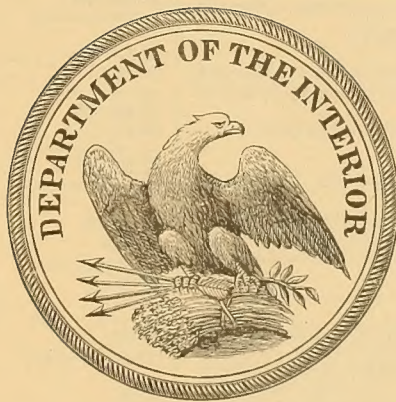


ISSUE DIVISION
PATENT OFFICE

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ANNUAL REPORT
OF THE
COMMISSIONER OF PATENTS
FOR THE YEAR
1914



WASHINGTON
GOVERNMENT PRINTING OFFICE

1915

REPORT

OF THE

COMMISSIONER OF PATENTS

TO CONGRESS

FOR THE YEAR ENDED DECEMBER 31, 1914.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 30, 1915.

To the Senate and House of Representatives of the United States of America in Congress assembled:

In compliance with section 494 of the Revised Statutes I have the honor to submit the following report of the business of the Patent Office for the year ended December 31, 1914:

RECEIPTS.

Detailed statement of all moneys received for patents, for copies of records or drawings, or from any source whatever.

Applications:	
Cash received.....	\$1,942,062.00
Cash refunded.....	6,201.66
Net cash.....	1,933,860.34
Certificates of deposit.....	58,006.00
Total cash and certificates.....	1,993,866.34
Copies:	
Cash received.....	202,476.44
Cash refunded.....	3,984.68
Net cash.....	198,491.76
Certificates of deposit.....	1,264.45
Total cash and certificates.....	199,756.21
Recording assignments:	
Cash received.....	33,973.37
Cash refunded.....	1,536.60
Net cash.....	32,436.77
Certificates of deposit.....	113.50
Total cash and certificates.....	32,550.27
Registration of prints and labels:	
Cash received.....	8,515.00
Cash refunded.....	804.00
Net cash.....	7,711.00
Certificates of deposit.....	24.00
Total cash and certificates.....	7,735.00
Court costs:	
Cash received.....	25.00
Cash refunded.....	
Net cash.....	25.00
Certificates of deposit.....	
Total cash and certificates.....	25.00
Aggregates.	
Cash received.....	2,187,051.81
Cash refunded.....	12,526.94
Net cash.....	2,174,524.87
Certificates of deposit.....	59,407.95
Total cash and certificates.....	2,233,932.82
Receipts from sale of Official Gazette and other publications through Government Printing Office.....	17,960.00
Grand total.....	2,251,892.82

EXPENDITURES.

Amounts expended under the several appropriations from Jan. 1 to Dec. 31, 1914.

Salaries.....	\$1,307,092.13
Scientific library.....	2,275.02
Stationery.....	10,820.05
Postage on foreign matter.....	1,070.00
Furniture, carpets, ice, telephones, washing towels, and sundries.....	8,606.04
Law library.....	380.95
Photolithographing:	
Current issue.....	42,025.36
Reproductions.....	55,991.45
Photographic copies.....	5,019.56
Photostat supplies.....	2,535.62
Foreign patents.....	14,872.49
Paid Public Printer for old specifications.....	6,732.13
Printing and binding:	
Official Gazette, with indexes.....	164,565.30
Specifications.....	343,048.45
Miscellaneous.....	35,069.82
Defending suits.....	665.75
Total.....	2,000,770.12

RECEIPTS AND EXPENDITURES.

Receipts from all sources.....	\$2,251,892.82
Expenditures.....	2,000,770.12
Surplus.....	251,122.70
<i>Surplus earnings of the Patent Office, deposited in the Treasury of the United States.</i>	
Amount of total net surplus in Treasury, Jan. 1, 1914..	\$7,297,052.46
Net surplus for the year 1914.....	251,122.70
Total net surplus, Dec. 31, 1914.....	7,548,175.16

SUMMARY OF THE BUSINESS OF THE PATENT OFFICE.

Applications for patents for inventions.....	67,774
Applications for patents for designs.....	2,454
Applications for reissues of patents.....	176
Total.....	70,404
Applications for registration of trade-marks.....	8,851
Applications for registration of labels.....	988
Applications for registration of prints.....	434
Disclaimers filed.....	22
Appeals on the merits.....	1,840
Total.....	12,135
Patents issued, excluding designs.....	39,945
Design patents issued.....	1,715
Patents reissued.....	190
Total.....	41,850
Trade-marks registered.....	6,817
Labels registered.....	719
Prints registered.....	338
Total.....	7,874
Patents expired during the year.....	22,098
Applications forfeited for nonpayment of final fees.....	10,022
Applications allowed, awaiting final fees.....	19,152
Trade-mark applications passed for publication.....	7,948

PATENTS ISSUED.

Patents issued to citizens of the United States, with the ratio of population to each patent granted.

States.	Patents and designs.	One to every—	States.	Patents and designs.	One to every—
Alabama.....	206	10,382	North Carolina.....	189	11,673
Arizona.....	75	2,724	North Dakota.....	162	3,562
Arkansas.....	134	11,749	Ohio.....	2,643	1,803
California.....	1,870	1,271	Oklahoma.....	292	5,675
Colorado.....	445	1,795	Oregon.....	337	1,996
Connecticut.....	1,176	947	Pennsylvania.....	3,469	2,209
Delaware.....	63	3,211	Rhode Island.....	349	1,554
Florida.....	143	5,263	South Carolina.....	92	16,406
Georgia.....	241	10,826	South Dakota.....	149	3,918
Idaho.....	84	3,876	Tennessee.....	254	8,601
Illinois.....	3,954	1,426	Texas.....	619	6,294
Indiana.....	820	3,293	Utah.....	131	2,850
Iowa.....	759	2,918	Vermont.....	80	4,449
Kansas.....	430	3,932	Virginia.....	299	6,895
Kentucky.....	243	9,423	Washington.....	563	2,028
Louisiana.....	198	8,365	West Virginia.....	238	5,130
Maine.....	150	4,949	Wisconsin.....	947	3,414
Maryland.....	398	3,254	Wyoming.....	45	3,243
Massachusetts.....	2,437	1,381	Alaska.....	5	12,871
Michigan.....	1,423	1,974	Canal Zone.....	10	.....
Minnesota.....	664	3,126	District of Columbia.....	340	973
Mississippi.....	115	15,627	Hawaii.....	30	6,396
Missouri.....	1,154	2,853	Philippine Islands.....	9	848,381
Montana.....	149	2,523	Porto Rico.....	4	279,503
Nebraska.....	335	3,558	United States Army.....	10	.....
Nevada.....	32	2,558	United States Navy.....	11	.....
New Hampshire.....	124	3,472	Total.....	137,009	.....
New Jersey.....	1,893	1,344			
New Mexico.....	45	7,273			
New York.....	5,972	1,526			

¹ Not including 190 reissues and 56 patents withdrawn.

Patents granted to citizens of foreign countries.

Argentina.....	13	Denmark.....	32	Mexico.....	26	South Australia.....	9
Austria-Hungary.....	152	Dutch East Indies.....	2	Natal.....	2	Spain.....	10
Bahama Islands.....	1	England.....	1,033	Netherlands.....	23	Sweden.....	82
Belgium.....	56	Finland.....	1	New South Wales.....	40	Switzerland.....	122
Bermuda.....	3	France.....	379	New Zealand.....	60	Tasmania.....	1
Brazil.....	6	Germany.....	1,475	Nicaragua.....	1	Transvaal.....	13
British East Indies.....	1	Greece.....	1	Norway.....	38	Uruguay.....	1
Bulgaria.....	2	Guatemala.....	3	Portugal.....	1	Victoria.....	44
Canada.....	607	India.....	2	Portuguese East Africa.....	1	Wales.....	8
Canary Islands.....	1	Ireland.....	25	Queensland.....	4	West Australia.....	8
Cape Colony.....	1	Italy.....	70	Rhodesia.....	2		
Chile.....	3	Japan.....	13	Roumania.....	1	Total.....	4,595
China.....	1	Java.....	2	Russia.....	37		
Cuba.....	20	Luxemburg.....	3	Scotland.....	93		

The following tables present a comparative statement of the business of the Patent Office since the enactment of the statute of 1836 and exhibit in detail the business of the office during the last calendar year:

Comparative statement of the business of the Office from 1837 to 1914, inclusive.

Year.	Applica-tions. ¹	Caveats filed. ²	Patents and re-issues.	Cash received.	Cash ex-pended.	Surplus.
1837.....	.....	.....	435	\$29,289.08	\$33,506.98	.....
1838.....	.....	.....	520	42,123.54	37,338.92	\$4,784.62
1839.....	.....	.....	425	38,019.97	34,543.51	3,476.46
1840.....	765	228	473	38,056.51	39,020.67	.....
1841.....	847	312	495	40,413.01	52,666.87	.....
1842.....	761	291	517	36,505.63	31,241.43	5,264.20
1843.....	819	315	519	35,315.81	30,776.96	4,538.85
1844.....	1,045	380	497	42,509.26	36,344.53	6,164.73
1845.....	1,246	452	503	51,076.14	39,395.65	11,680.49
1846.....	1,272	448	638	50,264.16	46,158.71	4,105.45
1847.....	1,531	533	569	63,111.19	41,878.35	21,232.84
1848.....	1,628	607	653	67,576.69	58,905.84	8,670.85
1849.....	1,955	595	1,077	80,752.78	77,716.44	3,036.34
1850.....	2,193	602	993	86,927.05	80,100.95	6,826.10
1851.....	2,258	760	872	95,738.61	86,916.93	8,821.68
1852.....	2,639	996	1,019	112,056.34	95,916.91	16,139.43
1853.....	2,673	901	961	121,527.45	132,869.83	.....
1854.....	3,324	868	1,844	163,789.84	167,146.32	.....
1855.....	4,435	906	2,013	216,459.35	179,540.33	36,919.02
1856.....	4,960	1,024	2,505	192,588.02	199,931.02	.....
1857.....	4,771	1,010	2,896	196,132.01	211,582.09	.....
1858.....	5,364	943	3,710	203,716.16	193,193.74	10,522.42
1859.....	6,225	1,079	4,538	245,942.15	210,278.41	35,663.74
1860.....	7,653	1,084	4,819	256,352.59	252,820.80	3,531.79
1861.....	4,643	700	3,340	137,354.44	221,491.91	.....
1862.....	5,038	824	3,521	215,754.99	182,810.39	32,944.06
1863.....	6,014	787	4,170	195,593.29	189,414.14	6,179.15
1864.....	6,972	1,063	5,020	240,919.98	229,866.00	11,051.98
1865.....	10,664	1,932	6,616	348,791.84	274,199.34	74,592.50
1866.....	15,269	2,723	9,450	495,665.38	361,724.28	133,941.10
1867.....	21,276	3,597	13,015	646,581.92	639,263.32	7,318.60

Comparative statement of the business of the Office from 1837 to 1914, inclusive—Continued.

Year.	Applica- tions. ¹	Caveats filed. ²	Patents and re- issues.	Cash received.	Cash ex- pended.	Surplus.
1868.....	20,445	3,705	13,378	\$881,565.86	\$628,679.77	\$52,886.09
1869.....	19,271	3,624	13,986	693,145.81	486,430.74	206,715.07
1870.....	19,171	3,273	13,321	669,456.76	557,147.19	112,309.57
1871.....	19,472	3,366	13,033	678,716.46	562,091.64	116,624.82
1872.....	18,246	3,090	13,590	699,726.39	665,595.00	34,131.39
1873.....	20,414	3,248	12,864	703,191.77	691,178.98	12,012.79
1874.....	21,602	3,181	13,599	738,278.17	679,288.41	58,959.76
1875.....	21,638	3,094	14,837	743,453.36	721,657.71	21,795.65
1876.....	21,425	2,697	15,595	757,987.65	652,542.60	105,445.05
1877.....	20,308	2,809	14,187	732,342.85	613,152.62	119,190.23
1878.....	20,260	2,755	13,444	725,375.55	593,082.89	132,292.66
1879.....	20,059	2,620	13,213	703,931.47	529,638.97	174,292.50
1880.....	23,012	2,490	13,947	749,685.32	538,865.17	210,820.15
1881.....	26,059	2,406	16,584	853,665.89	605,173.28	248,492.61
1882.....	31,522	2,553	19,267	1,009,219.45	683,867.67	325,351.78
1883.....	34,576	2,741	22,383	1,146,240.00	675,234.86	471,005.14
1884.....	35,600	2,582	20,413	1,075,798.80	970,579.76	105,219.04
1885.....	35,717	2,552	24,233	1,188,089.15	1,024,378.85	163,710.30
1886.....	35,968	2,513	22,508	1,154,551.40	992,503.45	162,047.95
1887.....	35,613	2,622	21,477	1,144,509.60	994,472.22	150,037.38
1888.....	35,797	2,251	20,506	1,118,516.10	973,108.78	145,407.32
1889.....	40,575	2,481	24,158	1,281,728.05	1,052,955.96	228,772.09
1890.....	41,048	2,311	26,292	1,340,372.66	1,099,297.74	241,074.92
1891.....	40,552	2,408	23,244	1,271,285.78	1,139,713.35	131,572.43
1892.....	40,753	2,290	23,559	1,286,331.88	1,110,739.24	175,592.59
1893.....	38,473	2,247	23,769	1,242,871.64	1,141,038.45	101,833.19
1894.....	38,439	2,286	20,867	1,187,439.58	1,100,047.12	87,392.46
1895.....	40,680	2,415	22,057	1,245,246.93	1,106,389.49	138,857.44
1896.....	43,982	2,271	23,373	1,324,059.83	1,113,413.71	210,646.12
1897.....	47,905	2,176	23,794	1,375,641.72	1,122,843.13	252,798.59
1898.....	35,842	1,659	22,267	1,137,734.48	1,136,196.20	1,538.28
1899.....	41,443	1,716	25,527	1,325,457.03	1,211,783.73	113,673.30
1900.....	41,980	1,731	26,499	1,350,828.53	1,260,019.62	90,808.91
1901.....	46,449	1,842	27,373	1,449,398.16	1,297,385.64	152,012.52
1902.....	49,641	1,851	27,886	1,552,859.08	1,393,345.54	159,513.54
1903.....	50,213	1,771	31,699	1,642,201.81	1,448,645.81	193,556.00
1904.....	52,143	1,808	30,934	1,657,326.53	1,476,000.38	181,326.15
1905.....	54,971	1,896	30,399	1,806,758.14	1,479,633.22	327,124.92
1906.....	56,482	1,885	31,965	1,790,921.38	1,554,891.20	236,030.18
1907.....	58,762	1,967	36,620	1,910,618.14	1,631,458.36	279,159.78
1908.....	61,475	2,110	33,682	1,896,847.67	1,712,303.42	184,544.25
1909.....	65,839	1,948	37,421	2,042,828.14	1,955,151.14	87,677.00
1910.....	64,629	970	35,930	2,025,536.69	2,005,711.94	19,824.75
1911.....	69,121	.....	34,084	2,019,388.03	1,953,689.91	65,698.12
1912.....	70,976	.....	37,731	2,118,158.30	2,022,066.11	96,092.19
1913.....	70,367	.....	35,788	2,084,417.79	1,947,383.28	137,034.51
1914.....	70,404	.....	41,850	2,251,892.82	2,000,770.12	251,122.70

¹ Including patents, designs, and reissues.

² Caveat law repealed June 25, 1910.

Statement showing the number of the first patent, design patent, and reissued patent, and the number of the first certificate of registration of a trade-mark, label, and print issued in each calendar year since July 28, 1836, when the present series of numbers of letters patent commenced, together with the total number of each issued during the year.

[The number of patents granted prior to the commencement of this series of numbering (July 28, 1836) was 9,957.]

Calendar year.	Number of first patent and certificate issued in each calendar year.						Number of patents and certificates of registration issued during each calendar year.							
	Patents.	Designs.	Reissues.	Trade-marks.	Labels.	Prints.	Patents.	Designs.	Reissues.	Total patents.	Trade-marks.	Labels.	Prints.	Total certifi- cates.
1836 (July 28).....	1	.....	.....	.....	.....	.....	109	.....	.....	.....	.....	.....	.....	.....
1837.....	110	.....	.....	.....	.....	.....	436	.....	.....	.....	.....	.....	.....	.....
1838.....	546	.....	1	.....	.....	.....	515	.....	6	.....	.....	.....	.....	.....
1839.....	1,061	.....	7	.....	.....	.....	404	.....	13	.....	.....	.....	.....	.....
1840.....	1,465	.....	20	.....	.....	.....	458	.....	10	.....	.....	.....	.....	.....
1841.....	1,923	.....	30	.....	.....	.....	490	.....	6	.....	.....	.....	.....	.....
1842.....	2,413	.....	36	.....	.....	.....	488	.....	13	.....	.....	.....	.....	.....
1843.....	2,901	.....	49	.....	.....	.....	494	14	11	519	.....	.....	.....	.....
1844.....	3,395	15	60	.....	.....	.....	478	12	7	497	.....	.....	.....	.....
1845.....	3,873	27	67	.....	.....	.....	475	17	11	503	.....	.....	.....	.....
1846.....	4,348	44	78	.....	.....	.....	566	59	13	638	.....	.....	.....	.....
1847.....	4,914	103	91	.....	.....	.....	495	60	14	569	.....	.....	.....	.....
1848.....	5,409	163	105	.....	.....	.....	584	46	23	653	.....	.....	.....	.....
1849.....	5,993	209	128	.....	.....	.....	988	49	30	1,067	.....	.....	.....	.....
1850.....	6,981	258	158	.....	.....	.....	884	83	26	993	.....	.....	.....	.....
1851.....	7,865	341	184	.....	.....	.....	757	90	25	872	.....	.....	.....	.....
1852.....	8,622	431	209	.....	.....	.....	890	109	20	1,019	.....	.....	.....	.....
1853.....	9,512	540	229	.....	.....	.....	846	86	29	961	.....	.....	.....	.....
1854.....	10,358	626	258	.....	.....	.....	1,759	57	28	1,844	.....	.....	.....	.....
1855.....	12,117	683	286	.....	.....	.....	1,892	70	51	2,013	.....	.....	.....	.....
1856.....	14,009	753	337	.....	.....	.....	2,315	107	83	2,505	.....	.....	.....	.....
1857.....	16,324	860	420	.....	.....	.....	2,686	113	97	2,896	.....	.....	.....	.....
1858.....	19,010	973	517	.....	.....	.....	3,467	102	126	3,695	.....	.....	.....	.....
1859.....	22,477	1,075	643	.....	.....	.....	4,165	108	231	4,504	.....	.....	.....	.....
1860.....	26,642	1,183	674	.....	.....	.....	4,363	183	232	4,778	.....	.....	.....	.....
1861.....	31,005	1,366	1,106	.....	.....	.....	3,040	142	147	3,329	.....	.....	.....	.....

Statement showing the number of the first patent, design patent, and reissue patent, etc.—Continued

Calendar year.	Number of first patent and certificate issued in each calendar year.						Number of patents and certificates of registration issued during each calendar year.							
	Patents.	Designs.	Reissues.	Trade-marks.	Labels.	Prints.	Patents.	Designs.	Reissues.	Total patents.	Trade-marks.	Labels.	Prints.	Total certifi- cates.
1862.....	34,045	1,508	1,253				3,221	195	116	3,532				
1863.....	37,266	1,703	1,369				3,781	176	227	4,184				
1864.....	41,047	1,879	1,596				4,638	139	248	5,025				
1865.....	45,685	2,018	1,844				6,099	221	296	6,616				
1866.....	51,784	2,239	2,140				8,874	294	290	9,458				
1867.....	60,658	2,533	2,430				12,301	325	400	13,026				
1868.....	72,959	2,858	2,830				12,544	446	420	13,410				
1869.....	85,503	3,304	3,250				12,957	506	534	13,997				
1870.....	93,460	3,810	3,784	1			12,157	737	439	13,333	121			121
1871.....	110,617	4,547	4,223	122			11,687	905	464	13,056	486			486
1872.....	122,304	5,452	4,687	608			12,200	884	529	13,613	491			491
1873.....	134,504	6,336	5,216	1,099			11,616	747	501	12,864	492			492
1874.....	146,120	7,083	5,717	1,591	1	First print registered Mar. 7, 1893.	12,230	886	483	13,599	559	232		791
1875.....	158,350	7,969	6,200	2,150	233		13,291	915	631	14,837	1,138	232		1,370
1876.....	171,641	8,884	6,831	3,283	465		14,172	802	621	15,595	959	472		1,431
1877.....	185,813	9,686	7,452	4,247	937		12,920	699	568	14,187	1,216	392		1,608
1878.....	198,733	10,385	8,020	5,463	1,329		12,345	590	509	13,444	1,455	492		1,947
1879.....	211,078	10,975	8,529	6,918	1,821		12,133	592	488	13,213	872	355		1,227
1880.....	223,211	11,567	9,017	7,790	2,176		12,926	515	506	13,947	349	203		552
1881.....	236,137	12,082	9,523	8,139	2,379		15,548	565	471	16,584	834	202		1,036
1882.....	251,685	12,647	9,994	8,973	2,581		18,135	861	271	19,267	947	304		1,251
1883.....	269,820	13,508	10,265	9,920	2,885		21,196	1,020	167	22,383	902	906		1,808
1884.....	291,016	14,528	10,432	10,822	3,791		19,147	1,150	116	20,413	1,021	513		1,534
1885.....	310,163	15,678	10,548	11,843	4,304		23,331	773	129	24,233	1,067	391		1,458
1886.....	333,494	16,451	10,677	12,910	4,695		21,797	595	116	22,508	1,029	378		1,407
1887.....	355,291	17,046	10,793	13,939	5,073		20,429	949	99	21,477	1,133	380		1,513
1888.....	375,720	17,995	10,892	15,072	5,453		19,585	835	86	20,506	1,059	327		1,386
1889.....	395,305	18,830	10,978	16,131	5,780		23,360	723	75	24,158	1,229	319		1,548
1890.....	418,665	19,553	11,053	17,360	6,099		25,322	886	84	26,292	1,415	304		1,719
1891.....	443,987	20,439	11,137	18,775	6,403		22,328	836	80	23,244	1,762	137		1,899
1892.....	466,315	21,275	11,217	20,537	6,540		22,661	817	81	23,559	1,737	16		1,743
1893.....	488,976	22,092	11,298	22,274	None.	1	22,768	902	99	23,769	1,677	None.	2	1,679
1894.....	511,744	22,994	11,397	23,951	None.	3	19,875	928	64	20,857	1,806	None.	4	1,810
1895.....	531,619	23,922	11,461	25,757	None.	7	20,883	1,115	59	22,057	1,829	None.	3	1,832
1896.....	552,502	25,037	11,520	27,586	6,546	10	21,867	1,445	61	23,273	1,813	1	32	1,846
1897.....	574,369	26,482	11,581	29,399	6,547	42	22,098	1,631	65	23,794	1,671	14	16	1,701
1898.....	596,467	28,113	11,646	31,070	6,561	58	20,404	1,803	60	22,267	1,238	200	35	1,473
1899.....	616,871	29,916	11,706	32,308	6,761	93	23,296	2,139	92	25,527	1,649	511	100	2,260
1900.....	640,167	32,055	11,798	33,957	7,272	193	24,660	1,758	81	26,499	1,721	737	93	2,551
1901.....	664,827	33,813	11,879	35,678	8,009	286	25,558	1,734	81	27,373	1,928	878	159	2,965
1902.....	690,385	35,547	11,960	37,606	8,887	445	27,136	640	110	27,886	2,006	767	158	2,931
1903.....	717,521	36,187	12,070	39,612	9,654	603	31,046	536	117	31,699	2,186	990	270	3,446
1904.....	748,567	36,723	12,189	41,798	10,644	873	30,267	557	110	30,934	2,158	1,114	297	3,569
1905.....	778,834	37,280	12,299	43,956	11,758	1,170	29,784	486	129	30,399	4,490	830	359	5,679
1906.....	808,618	37,766	12,428	48,446	12,588	1,529	31,181	625	159	31,965	10,568	709	656	11,933
1907.....	839,799	38,391	12,587	59,014	13,297	1,874	35,880	589	151	36,620	7,878	667	315	8,866
1908.....	875,679	38,980	12,738	66,892	13,964	2,189	32,757	757	168	33,682	5,191	618	220	6,029
1909.....	908,436	39,737	12,906	72,083	14,582	2,409	36,574	687	160	37,421	4,184	492	148	4,824
1910.....	945,010	40,424	13,066	76,267	15,074	2,557	35,168	639	123	35,930	4,239	370	120	4,729
1911.....	980,178	41,063	13,189	80,506	15,444	2,677	32,917	1,010	157	34,084	4,205	659	248	5,112
1912.....	1,013,095	42,073	13,346	84,711	16,103	2,925	36,231	1,342	158	37,731	5,020	633	243	5,896
1913.....	1,049,326	43,415	13,504	89,731	16,736	3,168	33,941	1,683	164	35,788	5,065	708	290	6,063
1914.....	1,083,267	45,098	13,668	94,796	17,444	3,458	39,945	1,715	190	41,850	6,817	719	338	7,874

¹ Registration of labels practically suspended May 27, 1891, under decision of the United States Supreme Court in *Higgins et al. v. Keuffel et al.* (55 O. G., 1139) with the registration No. 6,545, June 14, 1892. Resumed June 9, 1896, with the registration of No. 6,546.

Expenditures for photolithographic and photographic work since 1908-9.

Fiscal year.	Contractor.	Price per page.				Total.
		Current issue.	Reproduction of exhausted copies, etc.	Library edition.	Photographic copies.	
1908-1909.....	Norris Peters Co.....	{ ¹ \$0.71½ ² .57½}				\$140,000.00
	Sackett & Wilhelms Co.....		{Spec. ³ \$0.42½ 4 .53 Drg. ³ .43½ 4 .55}			
	Columbia Planograph Co.....			⁵ \$0.98		
	F. W. Ernst.....				⁸ \$0.12	
	C. Parker.....				⁷ .16	
1909-1910.....	A. B. Graham Co.....	¹ .74				140,000.00
	A. B. Graham Co.....			⁶ 1.00		
	Norris Peters Co.....	² .61				
	Sackett & Wilhelms Co.....		{ ³ .44½ 4 .57}			
	F. W. Ernst.....				⁸ .12	
	Leet Bro.....				.15	

Expenditures for photolithographic and photographic work since 1908—Continued.

Fiscal year.	Contractor.	Price per page.				Total.
		Current issue.	Reproduction of exhausted copies, etc.	Library edition.	Photographic copies.	
1910-1911	Norris Peters Co.	¹ \$. 79				\$140,000.00
	Webb & Bocorselski.	² .52				
	Sackett & Wilhelms Co.		³ \$. 49½ ⁴ .58			
	Sackett & Williams Co.			⁵ \$. 95		
	Leet Bros.				⁸ \$. 11½ ⁷ .11½	
1911-1912	Columbia Planograph Co.	¹ .73 ¹⁰ .50				140,000.00
	Sackett & Wilhelms Co.		³ .50½ ⁴ .60			
	Sackett & Wilhelms Co.			⁵ .89		
	F. W. Ernst.				⁸ .09½ ⁷ .10½	
1912-1913	Columbia Planograph Co.	¹ .63 ² .50				140,000.00
	Sackett & Wilhelms Co.		³ .52 ⁴ .60			
	F. W. Ernst.				⁸ .09 ⁷ .10	
1913-1914	Columbia Planograph Co.	¹ .57½ ¹⁰ .48				140,000.00
	Sackett & Wilhelms Co.		⁴ .57 ³ .47			
	Leet Bros.				⁸ .078 ⁷ .078	
1914-1915	Norris Peters Co.	¹ .64 ¹⁰ .50				9 140,000.00
	A. J. Ingram.		³ .40½ ⁴ .50			
	Commercial Photo Co.				⁸ .064	
	Leet Bros.				⁷ .067	
	Webb & Bocorselski.		¹¹ .42			

¹ For 100 thin, 2 thick, and 1 bond copies.
² For 50 thin, 2 thick, and 1 bond copies of trade-marks and designs.
³ For 50 copies each, mechanical and design patents and trade-marks.
⁴ For 100 copies each, mechanical and design patents and trade marks.

⁵ For 150 copies.
⁶ Size, 7 x 11 in.
⁷ Size, 10 x 15 in.
⁸ Size, 8 x 12½ in.
⁹ Estimated.
¹⁰ For 50 thin, 2 thick, and 1 bond copies of designs.
¹¹ For 2 copies of drawings of foreign patents.

Number of patents issued by the United States to December 31, 1914, and by foreign countries to December 31, 1913.

Countries.	To 1870, inclu- sive.	1871 to 1913.	Total.	Countries.	To 1870, inclu- sive.	1871 to 1913.	Total.
Argentina ¹	83	12, 049	12, 132	Mauritius ¹	113	306	419
Australia		13, 578	13, 578	Mexico ¹	22	13, 199	13, 221
Austria		81, 692	81, 692	Netherlands	4, 535	79	4, 614
Austria-Hungary	15, 350	67, 583	82, 933	New Foundland	40	471	511
Bahamas		2	2	New South Wales	236	11, 740	11, 976
Barbados ¹		151	151	New Zealand	109	15, 889	15, 998
Belgium	35, 044	236, 000	271, 044	Norway	737	24, 945	25, 682
Bolivia	42	65	107	Paraguay ¹		99	99
Brazil ¹	185	8, 373	8, 558	Peru		160	160
British Guiana	32	94	126	Portugal	245	8, 158	8, 403
British Honduras	1	19	20	Queensland	67	6, 368	6, 435
Canada	4, 081	152, 199	156, 280	Russia	1, 464	30, 844	32, 308
Ceylon ¹	58	789	847	St. Helena		4	4
Chile	266	2, 520	2, 786	South African Republics		1, 262	1, 262
Colombia ¹		1, 057	1, 057	South Australia	123	6, 221	6, 344
Congo Free State ¹		274	274	Spain		51, 993	51, 993
Costa Rica ¹		70	70	Straits Settlements ¹		331	331
Cuba		1, 739	1, 739	Sweden	1, 629	37, 693	39, 322
Denmark	464	25, 422	25, 886	Switzerland		63, 944	63, 944
Ecuador		10	10	Tasmania	43	2, 426	2, 469
Fiji Islands		47	47	Trinidad	6	248	254
Finland	112	4, 872	4, 984	Tunis ¹		1, 021	1, 021
France	103, 934	384, 620	488, 554	Turkey ¹		2, 460	2, 460
Germany	9, 996	275, 974	285, 970	United South Africa		3, 658	3, 658
Great Britain	53, 408	425, 063	478, 471	Uruguay ¹		440	440
Guatemala		57	57	Venezuela		288	288
Hawaii		148	148	Victoria	822	12, 463	13, 285
Hongkong		223	223	West Australia		3, 524	3, 524
Hungary		57, 988	57, 988	Total	238, 437	2, 222, 088	2, 460, 525
India	445	12, 653	13, 098	United States	120, 573	972, 650	1, 093, 223
Italy and Sardinia	4, 723	120, 825	125, 548	Grand total to 1914	359, 010	3, 194, 738	3, 553, 748
Jamaica	22	245	267	United States, 1914			39, 945
Japan		25, 022	25, 022	Grand total, including United States, 1914			3, 593, 693
Leeward Islands		29	29				
Liberia		2	2				
Luxemburg ¹		10, 298	10, 298				
Malta ¹		102	102				

¹ Estimated. Including 9,957 patents issued prior to July 1, 1836.

Number of applications pending December 31, 1914.

Year.	Applica- tions filed.	Including all divisional applications and continuations there were pending.				
		Dec. 31, 1914.	15 years or longer.	10 years or longer.	5 years or longer.	2 years or longer.
Prior to 1900.....		37	37			
In 1900.....	39,673	13				
1901.....	43,973	17				
1902.....	48,320	29				
1903.....	49,289	60				
1904.....	51,168	83				
				239		
1905.....	54,034	141				
1906.....	55,471	249				
1907.....	57,679	454				
1908.....	60,142	790				
1909.....	64,403	1,748				
					3,621	
1910.....	63,293	3,710				
1911.....	67,370	7,498				
1912.....	68,968	15,203				
						30,032
1913.....	68,117	28,867				
1914.....	67,774	50,947				
						109,846
In issue.....		22,613				
Forfeited.....		12,493				
Total.....		144,952				

Attention is invited to the following comparisons:

Number of applications pending fifteen years or longer:	
January 1, 1912.....	59
January 15, 1914.....	84
June 30, 1914.....	52
December 31, 1914.....	37
Number of applications pending ten years or longer:	
January 1, 1912.....	289
June 30, 1914.....	241
December 31, 1914.....	239
Number of applications pending eight years or longer:	
June 1, 1914.....	799
December 31, 1914.....	629
Number of applications pending five years or longer:	
January 1, 1912.....	4,296
June 30, 1914.....	4,231
December 31, 1914.....	3,621
Number of applications pending two years or longer:	
June 30, 1914.....	31,677
December 31, 1914.....	30,032
Total number pending not in issue or forfeited:	
January 1, 1912.....	108,126
June 30, 1914.....	116,832
December 31, 1914.....	109,846
Number of applications in issue:	
January 1, 1912.....	11,804
June 30, 1914.....	22,623
December 31, 1914.....	22,613
Total number pending, not including forfeited applications:	
January 1, 1912.....	119,930
June 30, 1914.....	139,455
December 31, 1914.....	132,459

Allowances and publications.

	1913	1914	Increase.
Patents.....	42,399	56,469	14,070
Designs.....	1,396	1,612	216
Trade-marks.....	4,951	7,463	2,512
Reissues.....	172	195	23
Labels.....	695	728	33
Prints.....	300	327	27
Totals.....	49,913	66,794	16,881

Patents and certificates issued.

	1913	1914	Increase.
Patents.....	33,941	39,945	6,004
Designs.....	1,683	1,715	32
Trade-marks.....	5,065	6,817	1,752
Reissues.....	164	190	26
Labels.....	708	719	11
Prints.....	290	338	48
Totals.....	41,851	49,724	7,873

In 1914 there were received 67,774 applications for mechanical patents, 2,454 applications for design patents, 176 applications for reissues of patents, 8,851 applications for registration of trade-marks, 988 applications for registration of labels, and 434 applications for registration of prints. There were 41,660 patents issued, including designs, 190 patents reissued, and 6,817 trade-marks, 719 labels, and 338 prints registered. The number of patents that expired was 22,098. The number of allowed applications awaiting the payment of final fees was 19,152, and the number forfeited for non-payment of the final fees was 10,022. The number of notices of allowance written from January 1 to June 30 was 28,868, and from July 1 to December 31 27,601, making a total of 56,469. The total number of notices of allowance written in 1913 was 42,399. The increase of allowances in 1914 over 1913 was 14,070.

In proportion to population more patents were issued to citizens of Connecticut than to those of any other State—1 to every 947. Next in order are the following: District of Columbia, 1 to every 973; California, 1 to every 1,271; New Jersey, 1 to every 1,344; Massachusetts, 1 to every 1,381; Illinois, 1 to every 1,426; New York, 1 to every 1,526; Rhode Island, 1 to every 1,554; Colorado, 1 to every 1,795; Ohio, 1 to every 1,803; Michigan, 1 to every 1,974; Oregon, 1 to every 1,996; Washington, 1 to every 2,028; Pennsylvania, 1 to every 2,209; Montana, 1 to every 2,523; Nevada, 1 to every 2,558; Arizona, 1 to every 2,724; Utah, 1 to every 2,850; Missouri, 1 to every 2,853; Iowa, 1 to every 2,918; Minnesota, 1 to every 3,126; Delaware, 1 to every 3,211; Wyoming, 1 to every 3,243; Maryland, 1 to every 3,254; Indiana, 1 to every 3,293; Wisconsin, 1 to every 3,414; New Hampshire, 1 to every 3,472; Nebraska, 1 to every 3,558; North Dakota, 1 to every 3,562; Idaho, 1 to every 3,876; South Dakota, 1 to every 3,918; Kansas, 1 to every 3,932; Vermont, 1 to every 4,449; Maine, 1 to every 4,949; West Virginia, 1 to every 5,130; Florida, 1 to every 5,263; Oklahoma, 1 to every 5,675; Texas, 1 to every

6,294; Hawaii, 1 to every 6,396; Virginia, 1 to every 6,895; New Mexico, 1 to every 7,273; Louisiana, 1 to every 8,365; Tennessee, 1 to every 8,601, and Kentucky, 1 to every 9,423. The fewest patents granted in proportion to the number of inhabitants were in the following States and Territories: Philippine Islands, 1 to every 848,381; Porto Rico, 1 to every 279,503; South Carolina, 1 to every 16,406; Mississippi, 1 to every 15,627; Alaska, 1 to every 12,871; Arkansas, 1 to every 11,749; North Carolina, 1 to every 11,673; Georgia, 1 to every 10,826, and Alabama, 1 to every 10,382.

As to foreign countries, 1,475 were granted to citizens of Germany; 1,033 to those of England; 667 to those of Canada; 379 to those of France; 152 to those of Austria-Hungary; 122 to those of Switzerland; 93 to those of Scotland; 82 to those of Sweden; 70 to those of Italy; 60 to those of New Zealand; 56 to those of Belgium; 44 to those of Victoria; 40 to those of New South Wales; 38 to those of Norway; 37 to those of Russia; 32 to those of Denmark; 26 to those of Mexico; 25 to those of Ireland; 23 to those of the Netherlands; 20 to those of Cuba; 13 each to those of Argentina, Japan, and Transvaal; 10 to those of Spain; 9 to those of South Australia; 8 each to those of Wales and West Australia; 6 to those of Brazil; 4 to those of Queensland; 3 each to those of Bermuda, Chile, Guatemala, and Luxemburg; 2 each to those of Bulgaria, Dutch East Indies, India, Java, Natal, and Rhodesia; 1 each to those of Bahama Islands, British East Indies, Canary Islands, Cape Colony, China, Finland, Greece, Nicaragua, Portugal, Portuguese East Africa, Roumania, Tasmania, and Uruguay.

OTHER DETAILS OF BUSINESS.

The total net receipts of the office for the year aggregated \$2,251,892.82. During the year 206,326 amendments in pending cases were filed. The number of letters recorded, constituting the general correspondence of the office, was 276,701, an increase of 27,680 over the work of the preceding year. In addition to this 33,110 letters of inquiry were returned with circulars of information answering the questions propounded.

In the Drafting Division 1,038 drawings were made for inventors, who paid \$3,625.50 therefor; 8,001 drawings previously filed were corrected at the request of the inventors, for which the office received \$6,981.35, and 13 tracings were made, at a cost of \$32, a total of \$10,638.85 having been received as fees for work of the Drafting Division. Drawings to the value of \$187 were made for the use of the office, and 6,433 drawings were corrected as to minor particulars without charge to the inventors.

In connection with the work of the Assignment Division 29,409 deeds, containing 13,312,500 words and averaging 453 words per deed, transferring title to patents, etc., were recorded, for which the office made a charge of \$49,308.27, an increase of \$210.37 in the fees received last year for the same purpose. In addition to this the Assignment Division prepared 1,350 abstracts of title and 2,720 briefs relating thereto, for which fees amounting to \$1,806.90 were paid. The table on page 1 shows the receipts of only \$32,550.27 as fees for recording assignments. The difference between the amount there stated and that stated above

covers work charged to miscellaneous deposit accounts which are entered under the general head "Moneys received for copies."

Type-written copies of records to the extent of 28,872,400 words were furnished, and for this the office received \$28,872.40. For the certificates attached to such of these copies as were certified the office received \$1,287.50. In 1905 the office furnished type-written copies of records embodying 21,155,300 words, for which \$21,155.30 was paid, an increase of 36.48 per cent in the work in ten years.

Inventors and attorneys were furnished with 53,197 photographic copies of drawings, 8 x 12½, at fifteen cents each, and 4,823 photographic copies, 10 x 15, at twenty-five cents each; also, 24,051 small-sized photostat copies were furnished at fifteen cents each and 20,451 large-sized photostat copies at twenty-five cents each. In addition 5,664 small-sized photostat copies were made for the use of the office. The amounts received from the sale of photostat copies aggregated \$8,720.40.

Printed copies of the specifications and drawings of patents to the number of 2,840,818 were sold at five cents each, bringing into the office \$124,021.90 on this account, 1,014,750 copies were shipped to foreign countries in exchange, and 197,793 copies were drawn for office use. The office has completed the work of printing the specifications of patents issued prior to 1861 and is now in position to furnish a printed copy of the specification and drawing of all patents commencing with No. 1, issued July 28, 1836. The records pertaining to patents of earlier date were destroyed in the fire of December 4, 1836. Some of such patents were restored and a few have been printed.

SURPLUS.

The total receipts were \$2,251,892.82. The expenditures were \$2,000,770.12. The excess of receipts over expenditures during the calendar year ending December 31, 1914, amounts to \$251,122.70. The surplus will probably be still larger during the coming year.

There is also an accumulated surplus of \$7,548,175.16, as shown by the receipts and expenditures of the office since it was organized. In addition to this there are 50,000,000 patent copies, constituting the working sets and copies for sale of all patents heretofore issued. These have been paid for out of the receipts of the office and therefore represent an asset in addition to the accumulated surplus. As these patent copies are sold for five cents each, they have a value, based upon net income, of nearly two and one-half million dollars, so that the actual accumulated surplus of this office is \$10,000,000.

THE PATENT OFFICE BUILDING.

The crowded condition existing in this office, which has frequently been called to the attention of Congress, is steadily growing worse. The patent copies kept for sale, to the number of about forty-seven millions, are scattered all over the office. This fact increases enormously the difficulty of "pulling" them. Moreover, as they are stacked upon wooden shelves and are exposed, the danger of fire is very serious.

The Secretary of the Interior expects Congress to give him a new building, to which will be removed his office

and the General Land Office. It is believed that this building will be completed within the next two or three years. The present understanding is that when the space now occupied by those two offices is vacated by them it will be turned over to the Patent Office.

There is no doubt that much could be done to increase the safety of the employees and property of this office in case of fire. Moreover, when the projected building for the Interior Department is completed and a large part of the Land Office Building, as is now contemplated, turned over to the Patent Office, it will require considerable remodeling to make the best use of the space available. I therefore ask the Congress to appropriate \$2,500 for the preparation of plans, so that the work may be proceeded with as soon as the additional space is placed at our disposal.

PERSONNEL.

The examining corps in the Patent Office is composed of an Examiner of Classification, an Examiner of Interferences, an Examiner of Trade-Marks, two Law Examiners, forty-three Principal or Primary Examiners, and three hundred and thirty-four Assistant Examiners, of whom sixty-three are paid \$2,400 a year, seventy-three are paid \$2,100 a year, eighty-eight are paid \$1,800 a year, and one hundred and ten are paid \$1,500 a year. It will be noted that there are more Assistant Examiners receiving only \$1,500 a year than the sum-total of the Law Examiners, the Primary Examiners, and those Assistant Examiners receiving \$2,400 a year. This disproportion of the number in the lower grades to those in the higher grades slows down promotions. This has contributed materially to induce ambitious young men to leave the Office after they have been admitted to the bar.

It is urged that the examining force be reorganized in the following particulars:

1. By restoring the grades of First, Second, Third, and Fourth Assistant Examiners; and

2. By increasing the number in the higher grades and reducing the number in the lower grades, so as to make them equal.

The cost of such changes applied to the present force would be about twenty-three thousand dollars.

I have, however, asked Congress to make the number in each of the four grades eighty-six, which would increase the number of Assistant Examiners by ten, and would increase the pay-roll by about forty-two thousand dollars. The bill which, when finally passed, would accomplish this reorganization has passed the House and has been reported favorably by the Committee on Patents of the Senate.

No increase in the number of examining divisions is recommended. While it is difficult for the Primary Examiners to oversee the work of more than six or seven Assistant Examiners, as must be done now in some of the larger divisions, the advantage to be gained by reducing the number of Assistant Examiners in these large divisions must be balanced against and is believed to be outweighed by the inconvenience of increasing the number of divisions, with the consequent splitting up of the classes of invention among the different Primary Examiners. It is believed, however, that if the number of Law Examiners, who are sub-

stantially of the same rank as the Primary Examiners, were increased a large amount of needed supervisory work could be accomplished under the direction of the Commissioner. This supervisory work would be directed toward unifying the practice in the different divisions on matters of examination, interference, division, and the like, to the end that there may be a more speedy termination of the prosecution of applications and more certainty of arriving at a correct conclusion.

There are at present two Law Examiners. Since December 23, 1913, one of these Law Examiners has been engaged in considering each proposed interference with the Primary Examiner in whose division it arose and determining whether the interference should be declared or not. Heretofore the forty-three Examiners have declared interferences each according to his own judgment. This resulted in diversity of practice, and, moreover, the fear lest failure to declare an interference might be imputed to neglect led to the declaration of many unnecessary interferences.

Under the present practice the Primary Examiner is relieved of all responsibility when he reports the interference, and since one man determines the question of the declaration of interferences for all of the divisions the practice is uniform.

Of the total number of proposed interferences from December 23, 1913, to January 1, 1915, reported to the Law Examiner twenty-six per cent were rejected and in ten per cent the issues were modified. An actual reduction of 148, or thirteen per cent, in the number of interferences declared in 1914 was effected in the face of the fact that thirty-three per cent more applications were passed to issue in 1914 than in 1913. When the old applications have been disposed of, the number of interferences declared will drop still lower, to the great relief of the Office and of applicants.

After an interference is declared the parties thereto are permitted to bring motions for dissolution. These under former practice were heard by the Primary Examiner, each hearing the motions in interferences which he himself had instituted. Since May 13, 1914, all motions to dissolve have been heard by one of the Law Examiners. As the Law Examiner who determines whether the interferences shall be instituted hears no motions to dissolve this branch of the practice is relieved from the undesirable incident heretofore experienced that motions to dissolve were brought before the official who instituted the interference. Moreover, the practice is made uniform by reason of the fact that all motions to dissolve are heard by one official.

Each Primary Examiner is an expert in the classes assigned to him for examination. His knowledge enables him to know in any particular case whether the assistant has properly developed the art, and his judgment on questions of patentability is valuable in proportion with his experience and knowledge of the particular art in question. Nothing should be done to interfere with the independence of the Examiners in passing on questions of patentability, excepting as their conclusions are reviewed on appeal.

But all collateral questions arising in the Office which are of such character that they can be treated

independently of the Examiner and where the volume of business is within the capacity of one man to handle should be put under the control of a Law Examiner.

For example, requirements of division of applications, while made by the Examiners in the first instance, should not be made final without being passed upon by a Law Examiner. In this way the practice can be made uniform and the legitimate requirements of the Office enforced, while at the same time the public would be greatly relieved from vexation and expense. Other lines of supervision will be discussed elsewhere in this report. Three more Law Examiners are needed at the present time. It is believed that this number can be even somewhat further increased with advantage.

There should also be an increase of two members of the Board of Examiners-in-Chief. At present the Board consists of three members, two of whom constitute a quorum. The increase is necessary for three reasons:

1. The number of cases appealed is so large that there is more work than three men can properly dispose of, and it is increasing.

2. Where, because of the necessary absence of one member, an appeal is heard by two members, in the event of a divided Board it is the uniform practice to set down cases for rehearing before the full Board. This increases the work of the Office and the cost to the applicant. With five Examiners-in-Chief, three of whom constitute a quorum, this difficulty would be obviated.

3. The enforced absence of two members of the Board at one time suspends the work of the Board. In the event of serious and protracted illness this might result in great inconvenience. Moreover, as the members of the Board are appointed by the President, by and with the advice and consent of the Senate, the work of the Board might be crippled for a long period of time in the case of a death occurring while Congress was not in session.

It is believed that there is work enough for five men but under the statute the Examiners-in-Chief, besides hearing appeals, are required to perform such other like duties as the Commissioner may assign them, so that in the event that there should not be enough appellate work to occupy the entire time of the five members other work of a supervisory character could be assigned to them by the Commissioner.

SCIENTIFIC LIBRARY.

Our valuable library is in present need of reorganization and enlargement. The collection of books, periodicals, and foreign patents is of the utmost value to the examining corps, inventors, manufacturers, and attorneys interested in investigating the novelty of inventions, but the material is not and never has been in condition for ready reference. Much of it is practically unavailable. I have started the work of reclassifying and indexing, with a view to meeting more nearly the peculiar needs of those who use the library. This library of about seventy-five thousand volumes of scientific works and about two million foreign patents, used, as it is, by people who are doing work which is almost identical with that of the examining

corps, requires a librarian of special training and ability. General library training alone is not sufficient to enable one to understand the problems upon which those who use the library are working. The librarian should not only know library methods, but he should be trained in the art of searching. The \$2,000 salary now provided by law is insufficient pay for any one having the qualifications necessary. It is difficult to induce members of the examining corps who might be interested in library work to forego chance of advancement. The salary of the librarian should be increased to that of a Principal Examiner—\$2,700 a year—and the salary of the assistant librarians should be made to conform to those of Assistant Examiners in the different grades.

I greatly appreciate the aid rendered to this Office by the Librarian of Congress and his chief classifier looking to the reorganization of our library.

CONDITION OF THE WORK IN THE OFFICE.

On January 31, 1914, there were 28,437 applications awaiting official action. On January 30, 1915, there were 20,752, showing a decrease of about 7,600 applications. This decrease, however, was entirely in the applications which had been once acted upon and after being amended were again awaiting action by the Office. The number of applications awaiting action for the first time was on January 31, 1914, 13,411, and on January 30, 1915, 14,704, showing an increase of about thirteen hundred applications. It has been the policy to bring and keep the amended work up to date. The reasons in favor of this policy are:

1. It seems to be required by the provision of Rule 63 that applications in the same class of invention are to be

examined and disposed of as far as practicable in the order in which the respective applications are completed.

2. Prompt action on amended work is the economical way to handle applications, because whenever the attorneys act promptly time is saved which would otherwise have to be spent in rereading the applications before action is taken on amendments. As 206,000 amendments were filed during the year, the possible saving of time referred to, though not definitely ascertainable, is unquestionably large.

Now that the amended work has been brought substantially up to date, so that on the average an application is acted upon in less than two weeks from the time of the filing of the amendment, attention will be directed to reducing the accumulation of applications which are waiting their first action. At present this work on the average is in arrears nearly three months. To bring it up to date with the present force will take several years, since to attempt to handle more than ten per cent, in excess of the annual receipt of applications would encourage ill-considered actions.

The most serious aspect of the problem is that the number of applications awaiting action in the different divisions is very different and the time required to reach an application for action in different classes is very different. With average arrears of three months applications in certain classes are not reached for ten months. Generally speaking, the classes of invention in which there is the greatest activity are those in which there are the greatest delays, and delays in

applications of such classes are of special hardship. It is not practicable to transfer Assistant Examiners freely from one class to another, since the acquisition of knowledge of a class is a slow and expensive process. Every effort is made, however, to reduce the hardship resulting from delays. With less frequent resignations the conditions could be considerably improved.

The total number of applications pending before the Office is the dominant element in determining the amount of work which the force has to handle. Heretofore statements have been made in official reports of the number of applications filed per annum, but no showing has been made of the accumulation of applications in the Office.

During the month of February, 1912, a count was made by my predecessor as of January 1, 1912, of all of the applications then pending. Owing to the late date at which the count was attempted it showed fewer applications pending than should have been made to appear. The inaccuracy, however, does not probably affect the number of applications not in issue nor forfeited beyond two or three per cent. According to this count there were 108,000 applications, and it would be perhaps accurate for all practical purposes to reckon the number at that date—January 1, 1912—as 110,000. The first count made under the present administration—June 30, 1914—showed 116,832 applications pending and not in issue nor forfeited. This indicates increase in two and one-half years of about seven thousand applications—that is to say, during this time the number of applications pending and neither allowed nor forfeited increased at the rate of about three per cent per year. It was this steady increase which during many years created the accumulation of cases so much discussed as “delayed applications.”

It has been my earnest effort to induce attorneys and the Examiners to dispose of applications more promptly and it is a pleasure to be able to state that the count made at the close of business December 31, 1914, shows a decrease in these applications of almost seven thousand, the number being 109,846. This is a decrease in six months of about six per cent, or about twelve per cent per annum, against an increase heretofore of about three per cent per annum. In fact, 14,070 more applications were allowed in 1914 than in 1913. The effort to dispose of the cases instead of permitting them to drag along in the Office has necessitated much earnest work on the part of the force. I can not commend too highly the spirit which they have shown. The cooperation of the attorneys has also been gratifying.

Special attention has been given to the problem of bringing the long-pending applications to finality. The applications pending in the Office over fifteen years have been reduced from eighty-four on January 15, 1914, to thirty-seven at the date of this report. More would have been disposed of during the year were it not for the fact that twenty-eight of those remaining have the benefit of the law as it existed prior to January 1, 1898, under which response is required to an Office action only within two years. The number of applications pending in the Office over five years was reduced from 4,231 on June 30, 1914, to 3,621 on

December 31, 1914, and the number pending two years was reduced in the same time from 31,677 to 30,032. This rate of reduction will undoubtedly be much accelerated during the coming year.

It is my intention, if Congress will increase the number of Law Examiners, to assign one to the work of preventing unreasonable delay of applications in the Office. After June 30, 1915, no amendment can be filed in any application pending more than four years without being first called to the Commissioner's attention. I believe that it is possible with proper administration so to limit the time during which applications are kept in the Office that very few will exceed three years, and this without impairing an applicant's right to consideration of his case. However, as there were on January 1, 7,331 applications which had been in the Office four years or longer and as many more would become four-year cases during the current year if not properly expedited I have so far thought it unwise to attempt to deal with cases which have been pending less than four years.

The progress made toward eliminating the evil of long-delayed applications has been sufficiently encouraging to warrant the present belief that legislation is unnecessary.

In conclusion it may be stated that on an average applications which become patents are pending in the Office somewhat less than two years. During the first quarter of 1914 the average was 21.4 months. During the last quarter the average was 23.2 months. The rise in the time which applications are pending is due to the fact that the old applications are being passed out. During the first quarter of 1914, 392 five-year-old applications became patents, and during the last quarter of 1914 the number of patents issued on such applications was 724. As only 1,748 applications entered upon their sixth year during 1914, it is evident that at the present rate of issuance the number of five-year applications is being rapidly cut down.

CLASSIFICATION.

The primary function of the Patent Office is to ascertain and apply properly to any application for a patent all existing patents and literature which have a legitimate bearing adverse to the claims presented. To do this with any degree of success, it is essential that the domestic and foreign patents and the literature of the various arts collected in the Scientific Library be so classified and indexed as to enable the Examiners rapidly to find all existing patents and other publications bearing upon the application being searched. The system of classification which grew up in the Office prior to 1898 was found to be no longer adequate, and since that date a force of classifiers has been engaged in an attempt to work out a new and improved system of classification. Out of 1,123,210 United States patents, 540,000 have been assigned to their places under the new classification. It has been ascertained that each assistant in the Classification Division is able on an average to classify about 2,000 patents a year. This means that with the present force it would require about sixteen years to complete the classification. It has been estimated that if the force should be doubled the classification could be completed in seven years. To complete the classification within three

years would require an addition to the examining force of 75 men. This would involve an increase in the pay roll of about one hundred and fifty thousand dollars for classifiers, besides the necessary clerical assistance, which would probably increase it \$40,000 more. When the work was once accomplished, however, it would immensely increase the value to the public of the work done by the Office. Meanwhile the delay in the completion of the classification work impairs the work of the office to a serious extent.

During the year 1914 four additional classes were established, five classes were defined and definitions published, and a number of new subdivisions were established in both defined and undefined classes.

Nine classes have been revived and are now awaiting approval of the Examiner of Classification and the clerical work necessary to place them in condition for use. Three large classes are approaching completion, lacking the search for cross references. Eleven other classes are undergoing revision in the Classification Division in various stages toward completion.

In order to speed up the work, a plan has been evolved of having the classification made by the Examiners in the different divisions, with the cooperation and under the supervision of an assistant detailed from the Classification Division.

One class is approaching completion in Division IV by the efforts of an Assistant Examiner, who made the larger portion of the revision in the Classification Division.

Two assistants have been detailed to Divisions I and XXI, respectively, where they are continually engaged in examining, advising, and assisting in reclassification.

Two other assistants are advising and cooperating with the Examiners in Divisions XVII and XVIII, respectively, in revising the classification in those divisions, but spend a part of their time at their desks in the Classification Division.

There are now eighteen Assistant Examiners in the Classification Division. Two work in the division a part of their time. One is engaged all of his time in assigning disputed applications and verifying the classification of the weekly issue. Thus there are now fifteen assistants devoting their time to revision of the classification in this division, one to classification of pending applications and four devoting their time in whole or in part to examining divisions.

The work of classification takes men out of the examining divisions and by changing their line of work diminishes seriously their chance of promotion to the grade of Principal Examiner. Therefore men who have special ability in classification work are with some difficulty kept at this work, and if one of them secures a promotion to the grade of Principal Examiner he must be taken off of the classification work.

The Office will doubtless always require a classifying force of considerable size, and only men who are experienced searchers are competent to do practical classifying of good quality.

For all of these reasons it seems to me desirable that at least two positions of Principal Examiner should be established and the men appointed thereto be assigned to the work of classification.

TRADE MARK DIVISION.

This division examines both trade-marks and patents for designs. In both lines the work has been steadily increasing. Last year Congress created the position of First Assistant Examiner in the Trade-Mark Division. There should be at least one more First Assistant Examiner in this division, and a Second and Third Assistant Examiner as well, in order that this important and growing work may be properly cared for.

EXCHANGE OF PATENT COPIES WITH CANADA.

Shortly after assuming the duties of the Commissioner of Patents my attention was directed by the chief of the Patent Office of Canada to an agreement between the Canadian and United States Patent Offices for the exchange of copies of patents. Under this agreement the exchange of these copies began in the early part of 1899 and continued until September of that year, when it was suspended by the United States Patent Office. Upon examination of the correspondence between the two Governments and from conversations with the Hon. W. J. Lynch, chief of the Canadian Patent Office, who came to Washington in September, 1913, for this purpose, I found that there was no sufficient reason for the termination of the agreement on the part of the United States Patent Office. I accordingly directed the resumption of the exchange of these copies of patents, beginning with the issue of October 7, 1913, but in view of the very large number of copies of patents that must be drawn from the stock on hand to fill in between September of 1899 and October 7, 1913, I hesitated to direct the supply of these missing copies without the specific approval of Congress.

A joint resolution has been passed by Congress authorizing the exchange. A complete set of our classified patents will be delivered to the Canadian Patent Office at an early date under a suitable arrangement which has not yet been effected.

COMMITTEE ON RULES.

A committee on the revision of rules has been appointed, consisting of R. F. Whitehead, Assistant Commissioner; Fairfax Bayard, Examiner-in-Chief; H. E. Stauffer, Examiner of Interferences; E. S. Henry, Law Examiner; W. S. Ruckman, Albert Lewers, and L. A. Sadler, Primary Examiners, and Walter F. Rogers, attorney at law.

The committee has had five meetings and reports progress. It is to make a final report not later than June 30, 1915.

LEGISLATION.

(a) *Forfeited applications.*

Under section 4897 where a final fee is not paid within six months after notice of allowance the applicant has the right of renewal at any time within two years of the allowance of the original application. This is an unnecessarily long period and is one of the causes of delay in the issuance of patents. It is recommended that section 4897 be amended by changing into two years to one year, leaving the section otherwise as it now stands. This would bring the provision for renewal into accord with the provision of section 4894 requiring action by the applicant within one year from the date of any action by the office.

This period was formerly two years and was shortened by the act of March 3, 1897. Why section 4897 was not amended in the same way is not known.

(b) *Attorneys.*

It has been suggested many times that the privilege of practicing before the Office should be granted only after examination similar to examinations held for admission to the bar. It is believed that this requirement would be too severe, as many persons not specially trained in the law and without any particular educational advantages may by careful study of the practice and of the useful arts learn adequately to prosecute applications. Fundamentally, knowledge of the invention is more important than knowledge of the rules, and is often possessed by men of a type of mind which does not acquire legal knowledge readily.

It is of far more importance that the applicant be in actual touch with his attorney and that the relation established be one of mutual trust and confidence. Unfortunately a large amount of the business presented to the office originates from widespread advertisement and is accumulated by certain attorneys in such quantities that the relation of client and attorney can hardly be said to exist. Such attorneys have for many years used in their advertisements letters from Members of Congress and other officials of the Government recommending them. These recommendations, however guarded, are likely to impress people ignorant of the procedure with the idea that influence can be brought to bear upon the Patent Office to secure the allowance of patents. I feel very strongly that both the office and the public need to be protected against business originated in this way. I therefore recommend that an act be passed prohibiting the use of the name of any Member of either House of Congress or any official of the Government in advertising the business of any practitioner before the Patent Office.

(c) *Payment and refundment of fees.*

On pages 186, 187, and 188 of the Report of the Investigation of the United States Patent Office, made by the President's Commission on Economy and Efficiency in December, 1912 (62d Congress, 3d session, H. R. Document No. 110), will be found some valuable recommendations regarding the payment of fees into the Patent Office and the refundment of such fees as were paid by mistake or were in excess of what was required by law. The subjects therein discussed should receive congressional action in the interest of economy and efficient administration.

PAYMENT OF FEES.

Section 4935, R. S.

Patent fees may be paid to the Commissioner of Patents, or to the Treasurer, or any of the assistant treasurers of the United States, or to any of the designated depositories, national banks, or receivers of public money, designated by the Secretary of the Treasury for that purpose; and such officer shall give the depositor a receipt or certificate of deposit therefor. All money received at the Patent Office for any purpose, or from any source whatever, shall be paid into the Treasury as received, without any deduction whatever.

*Section 4935, R. S.
(Proposed amendment.)*

Patent fees shall be paid to the Commissioner of Patents, and the Commissioner, or such person as he shall depute, shall make daily deposits in some bank in the District of Columbia, to be designated by the Secretary of the Treasury for this purpose, of all moneys received as patent fees; and shall make deposits of such fees with the Treasurer of the United States, at such times and in such manner as the latter shall direct; and shall also make monthly reports in aggregate to the Secretary of the Treasury of all remittances received and moneys refunded.

The purpose of the proposed amendment to section 4935, Revised Statutes, is to eliminate the provision for payment by Treasury certificate of deposit. Less than 3 per cent of the patent fees are paid by certificate of deposit, and this method of payment is a source of confusion and trouble. Under the regulations of the Treasury Department these certificates, when issued, are forwarded by the depository to the Patent Office, and the depositor is therefore without means to control the actual time of payment into the Patent Office other than to receive the benefit of payment as of the date upon which the deposit is made.

The weekly issues of patents are made up of cases in which the final fees have been received by the Office not later than Thursday. Under the rules of the Patent Office the patents bear date as of the fourth Tuesday following the close of the issue, the intervening time being required to lithograph and engross the patent papers. It has happened in many cases that the failure to issue a patent upon a date arranged for by the inventor was due to the delay of the depository in forwarding to this Office the certificate of deposit. For instance, an inventor residing in Chicago will make a payment of his final fee at the subtreasury on Monday, expecting that the patent will be in the issue which closes on the following Thursday; but if the depository delays the transmission of this certificate until too late to reach the Office by Thursday the issue of the patent goes over one week, very often to the inconvenience and disappointment of the inventor, and it will be several days before the unfavorable condition becomes known to the inventor, at which time it will be too late to correct the error. In numerous other cases there has been a failure of the depository to date the certificate, and this necessitates correspondence and further delay in the issuance of the patent, for the fee can not be credited as having been paid unless the date of deposit thereof be shown.

When a certificate of deposit is used to pay the filing fee of an application, a bad situation sometimes arises. An inventor residing, say, in one of the Pacific Coast cities will lodge in this Office an application for patent, complete except as to the fee, and on the last day of the year within which he could make payment of the fee under the law he will make a deposit of the fee with a depository. Eight or ten days thereafter and after the expiration of the year the Office will receive the certificate, but must antedate the completion of the application to the date of the deposit of the fee. This requires that the application be given a fractional serial number and otherwise disarranges the continuity of our records. When a final fee is paid by an inventor under similar circumstances, it acts to prolong by eight or ten days the period during which the application is pending, contrary to the purposes of the law.

Payment by certificate of deposit is discriminatory and unfair to inventors residing in small places remote from Washington in that such inventors, not having access to a depository, are required to pay their fees, in the form of remittance by cash, bank draft, or money order, such a time in advance as to insure the receipt of the remittance within the lawful period. It is therefore apparent that section 4935, Revised Statutes,

should be amended so as to require all fees to be paid directly into the Patent Office.

REFUNDMENT OF FEES.

Section 4936, R. S.

The Treasurer of the United States is authorized to pay back any sum or sums of money to any person who has through mistake paid the same into the Treasury, or to any receiver or depository, to the credit of the Treasury, as for fees accruing at the Patent Office, upon a certification thereof being made to the Treasurer by the Commissioner of Patents.

Section 4936, R. S. (proposed amendment).

The Commissioner of Patents is authorized to refund any money to any person who has paid the same for fees to the Patent Office through mistake, or in excess, but no refundment of any money shall be made after the expiration of five years from the date of payment.

A decision of the Comptroller of the Treasury, dated November 23, 1911 (18 Comp. Dec., 368,) in the matter of refundments by the Patent Office, has placed upon the Office a very great burden, and has increased considerably the cost of administration. Prior to the decision referred to section 4936, Revised Statutes, was considered to have created an appropriation out of which the financial clerk of the Patent Office was authorized to refund such fees as were paid into the Office by mistake or in excess. The old practice is found to have been in operation for about forty years without question. Under the new practice the Patent Office certifies to the Treasury Department an abstract of all fees received by the Patent Office, including thousands of five-cent items. This abstract, which is made monthly, comprises between four hundred and five hundred pages and embodies the name of each remitter, his address, the purpose for which the fee was paid into the Office, and the amount thereof. After such abstract of fees received has been sent to the Treasury the Commissioner of Patents certifies to the Treasurer a list of the comparatively few cases wherein refundments of excess fees or fees paid by mistake are to be made. The certificate of refundment and the abstract of payments are audited, and thereafter a Treasury warrant for the amount to be refunded is drawn. About six thousand of such warrants are issued annually. Three-fourths of the number are for sums of less than one dollar. The number of warrants for five cents each run into the hundreds. The gross receipts of the Patent Office for the year ended December 31, 1914, were \$2,264,419.76, and the refundments during the same year amounted to \$12,526.94. This method of auditing and refunding by warrants through the Treasury is estimated to cost one dollar for each transaction—that is, for each warrant—so that, to quote from the report (p. 187) mentioned—

it will be seen that while the practice established under the ruling of the Comptroller conforms to the requirement of the law, the expense is out of proportion to the benefits.

The Commission referred to recommended that the law be amended so as to authorize refundments to be made by the Patent Office.

In view of the fact that persons who pay money into the Patent Office by mistake or in excess of the amount required are notified promptly that refundment will be made upon request it is believed that there should be some limitation upon the time within which such refundments can be made. For this reason it is proposed to add to section 4936, as amended, a provision that refundments on account of fees paid by mistake or in excess shall not be made after the expiration of five

years from the date of payment. This limitation will enable the office to close its transactions and not be required to make reference to records which in future years may not be available. A requirement that refundment shall be made within a reasonable and definite time after payment will also eliminate the liability to make duplicate refundments.

These items enter very largely into the operations of the Patent Office, and the public business will be facilitated, at a reduced cost, if sections 4935 and 4936, Revised Statutes, are amended in the particulars pointed out.

(d) Assignments.

One of my predecessors—Commissioner Benton J. Hall—in his annual report to Congress for the year 1887 said:

Section 4898 provides that an assignment, grant, or conveyance shall be void as against any subsequent purchaser or mortgagee for a valuable consideration without notice unless such instrument be recorded in the Patent Office within three months from the date thereof. In my opinion, this requirement operates unjustly in providing that an assignment, if recorded after three months from the date thereof, shall have no effect as constructive notice to a subsequent purchaser or mortgagee for a valuable consideration. The provision in my judgment should be modified so as to declare that while the assignment should be valid without recording for the period of three months from and after its date, thereafter it should be void against subsequent purchaser or mortgagee for a valuable consideration without notice, unless it be recorded in the Patent Office prior to the date of such subsequent purchase or mortgage, so that should the assignee fail through forgetfulness or accident to file his instrument or assignment within three months he might still file it for record at a subsequent period, and it should then give constructive notice from the date of its actual filing.

I concur in the views expressed here and the suggested amendment to the law to carry it into effect.

Under section 4934 of the Revised Statutes, originally enacted in 1870, the maximum fee for recording each "assignment, agreement, power of attorney, or other paper" was three dollars. Assignments have been and are now being received and recorded weekly that embody hundreds of patents and thousands of words. Recently, for example, there were recorded eight writings, three of which contained 966 patents, applications, and trade-marks, and the legal fees for recording the eight writings were thirty dollars under the Revised Statute mentioned, as amended May 27, 1908. The actual time occupied by the clerical force in verifying and supplying missing data of these patents, digesting, indexing, recording, and comparing was 172 hours, equivalent to the time of one clerk for twenty-four and four-sevenths days. At a minimum fee of fifty cents per hour legally chargeable for this class of work the cost to the office for recording these writings was eighty-six dollars, nearly three times the amount paid therefor.

In addition to the number of words in writing presented for record, a nominal fee for each additional patent, application, design, trade-mark, or invention enumerated therein should, in my judgment, be charged. It is therefore suggested that 25 cents be charged for each of said additional items. I may add that this recommendation was included in the report to Congress of the investigation of the United States Patent Office by the President's Commission on Economy and Efficiency in December, 1912, and reference is made therein to this matter on pages 185-196.

It is therefore recommended that section 4934 be suitably amended to provide for this change in fees. A proper amendment will be submitted at an early date for consideration of Congress.

(e) Assignees' index.

In 1870 a special appropriation was made by Congress for the purpose of indexing all prior recorded deeds, assignments, etc., under the name of the inventor, and all assignments recorded since that date have been so indexed. Under this law, pursuant to the records established thereby, it is necessary to know at least the name of the applicant or inventor to make the necessary search to run down a chain of title. Experience has shown that it is frequently necessary or desired by attorneys, inventors, and the general public to ascertain what patents are owned by a particular individual, firm, or corporation.

There is no authentic manner at present in which such search can be made except in each of the volumes wherein are recorded assignments and the data of the application, where they are indexed from assignor to assignee. It is therefore very desirable that a consolidated assignees' index be established and kept up to date in the Patent Office for this purpose. Requests are frequently made for such an authentic, verified, and checked index from which a reliable search may be made to ascertain what patents are owned by given corporations, firms, or individuals. To perform this service it is believed that three more index clerks will be required in addition to those now employed in the Assignment Division, and for the indexing covering the past 17 years five or six additional clerks will probably be needed to bring up its arrearage within a reasonable time.

I will therefore submit at an early date to Congress a request for authority to establish this index and a request for additional clerks for this purpose.

(f) Clerks of courts to file decrees.

I would also suggest that the law be amended to require the clerks of the Federal courts to file in this Office a copy of every decree granting or refusing an injunction in a suit for infringement of a patent and every final decree affecting the validity of a patent.

If such copies were filed in this office and placed in the file of the patent, it would enable any one to determine the litigation in which this patent had been involved, a thing which is now practically impossible, since many of the decisions of the lower courts are not published.

(g) Protection of designs.

The present method of protecting designs is cumbersome and so costly that designers make little use of it. The problems of a court in passing upon the validity and infringement of design patents are so simple, generally speaking, as not to require the assistance of expert opinion. Little or nothing, therefore, is gained by examination prior to the granting of a patent. It is recommended that protection of designs

be put upon a registration basis and the fees be greatly reduced.

(h) Witnesses to applications.

Section 4888 of the Revised Statutes, requiring that the signature of the inventor to the specification and claims be attested by two witnesses, and section 4889 of the Revised Statutes, requiring that the signature of the inventor or his attorney in fact to the drawing be attested by two witnesses, involve this office in a great deal of work, and frequently the omission of the signature of a witness postpones the filing date of an application for patent. In many other cases it necessitates the filing of substitute specifications, properly witnessed, and this imposes upon the office the entirely unnecessary work of carefully comparing the substitute specification with the original to guard against errors and omissions, as well as departures from the original disclosure.

In some cases the return of a drawing for the addition of the signature of a witness has resulted in the loss of the drawing and sometimes in the mutilation thereof to such a degree as to necessitate a new drawing. Yet, as far as I can ascertain upon inquiry, no witness has ever been called into court to verify his signature.

The oath can readily be amended to contain an acknowledgment of the signature to the specification. This seems to me to be sufficient, and I therefore suggested an amendment to the sections of law referred to, omitting the requirement as to witnesses to signatures.

A bill embodying the proposed amendment has passed the House and has been reported favorably by the Senate Committee on Patents.

(i) Subpœna duces tecum.

The present statute does not provide for *subpœna duces tecum* in interference cases. This remedy should be provided by amending section 4906 of the Revised Statutes by adding thereto the statement that the provisions of section 869 of the Revised Statutes with relation to the issuance of a *subpœna duces tecum* shall apply to contested cases in the Patent Office.

(j) Exhibitors at the Panama-Pacific International Exposition.

An act has been passed by Congress for the protection of exhibitors at San Francisco. Pursuant to this act a branch office has been open since the 1st day of July, 1914; but no application has been made up to the date of this report for registration of a patent or a trade-mark under the act.

Respectfully submitted.

THOMAS EWING,
Commissioner of Patents.

ALPHABETICAL LIST

OF

PATENTEES FOR THE YEAR 1914.

[Patentees of Designs, Trade-Marks, Labels, and Prints, and parties who have filed Disclaimers follow this in separate indexes, but precede the Alphabetical List of Inventions.]

[Abbreviations: "Gaz."—Official Gazette.]

- A. Fries, hardware works. (See Pitsch, Ferdinand, assignor.)
- A. Kimball Company. (See Candlish, Thomas C., assignor.)
- A. Lowell Mfg. Co. (See Alexander, George E., assignor.)
- A. Mecky Company, The. (See Pursglove, William T., assignor.)
- A. Stein & Company. (See Kuehn, Charles P., assignor.)
- A. Wittnauer Co. (See Trommer, Charles F., assignor.)
- A. A. Simonds & Son Company, The. (See Simonds, Herbert R., assignor.)
- A. B. Chase Company, The. (See Cooper, William F., assignor.)
- A. B. Dick Company. (See Dick, Albert B., assignor.)
- A. B. Dick Company. (See Edmonds, Samuel O., assignor.)
- A. B. Dick Company. (See Fuller, Louis E., assignor.)
- A-B Stove Company. (See Berry, Frank K., assignor.)
- A. E. Rittenhouse Co. (See Rittenhouse, Arthur E., assignor.)
- A. F. Daum Company. (See Goldman and Daum, assignors.)
- A. F. Meisselbach & Brother. (See Catucci, Pliny, assignor.)
- A. F. Ward Machinery Co., The. (See Bierer, John M., assignor.)
- A. G. Spalding & Bros. (See Golden, Walter L., assignor.)
- A. G. Spalding & Bros. (See Grant, Basil H., assignor.)
- A. G. Spalding & Bros. (See Hart, Henry R., assignor.)
- A. G. Spalding & Bros. (See Lincoln, Clarence S., assignor.)
- A. G. Spalding & Bros. (See Millar, James, assignor.)
- A. G. Spalding & Bros. Manf'g. Co. (See Reach, Milton B., assignor.)
- A. G. Spalding & Bros. Manf'g. Co. (See Richey, William, assignor.)
- A. G. Spalding & Bros. Manf'g. Company. (See Reach, William F., assignor.)
- A. H. Andrews Co., The. (See Olson, Charles O., assignor.)
- A. I. Root Company, The. (See Beuhne, Frederick R., assignor.) (Reissue.)
- A. I. Root Company, The. (See Marbach, Frank G., assignor.)
- A. J. Lindemann & Hoverson Co. (See Brennan, John S., assignor.)
- A. J. Lindemann & Hoverson Co. (See Camp, Key D., assignor.)
- A. J. Lindemann & Hoverson Co. (See Lindemann, Albert J., assignor.)
- A. J. Nystrom & Company. (See Swanson, Frank H., assignor.)
- A. J. Smith Manufacturing Company. (See Smith, Alfred J., assignor.)
- A. L. Palmer Co. (See Brown, Abraham A., assignor.)
- A. O. Norton, Incorporated. (See Starbuck, Calvin T., assignor.)
- A/S. De Forenede Norske Laase- & Beslagfabriker. (See Höglund, Hans O., assignor.)
- A/S De Forenede Norske Laase- & Beslagfabriker. (See Moe, Thorstein O., assignor.)
- A/S Hovlands Radiotelegraf. (See Hovland, Abraham N., assignor.)
- Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-breaker. No. 1,099,332; June 9; Gaz. vol. 203; p. 373.
- Aalborg, Christian, Wilkinsburg, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric-circuit regulator. No. 1,104,796; July 28; Gaz. vol. 204; p. 1029.
- Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Adjustable joint. No. 1,107,241; Aug. 11; Gaz. vol. 205; p. 622.
- Aalborg, Christian, Wilkinsburg, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit-interrupter. No. 1,121,574; Dec. 15; Gaz. vol. 209; p. 1014.
- Aanstoots, Theodorus J. P., Passaic, N. J. Pressure-regulating air-circulating system for submarines. No. 1,115,367; Oct. 27; Gaz. vol. 207; p. 1170.
- Aaron Peters' Laboratories. (See Winter and Rosenthal, assignors.)
- Aaron, Solomon E., Boston, Mass. Combination stripping and cutting pliers. No. 1,096,983; May 19; Gaz. vol. 202; p. 696.
- Aaron, Solomon E., Boston, Mass. Device for lowering ships' boats. No. 1,120,991; Dec. 15; Gaz. vol. 209; p. 810.
- Aaronson, Frank, Manasquan, N. J. Building-block and forming the same. No. 1,086,975; Feb. 10; Gaz. vol. 199; p. 531.
- Abadie, Louis, Abbeville, La. Indicator-coupling. No. 1,085,836; Feb. 3; Gaz. vol. 199; p. 91.
- Aballi, Jorge. (See San Martin, René, assignor.)
- Abbate, Nicholas G., Baltimore, Md. Life-preserver and trunk. No. 1,112,881; Oct. 6; Gaz. vol. 207; p. 164.
- Abbath, Charles A., Quincy, Ill. Cabinet. No. 1,094,397; Apr. 21; Gaz. vol. 201; p. 844.
- Abbath, Charles A., Quincy, Ill. Cabinet. No. 1,112,585; Oct. 6; Gaz. vol. 207; p. 63.
- Abbe, George C., Lansdowne, assignor, by mesne assignments, to The Baldwin Locomotive Works, Philadelphia, Pa. Reel for mine-locomotives. No. 1,110,995; Sept. 15; Gaz. vol. 206; p. 836.
- Abbott, Adrian O., Jr., Toledo, Ohio. Automatic glass-blowing machine. No. 1,116,340; Nov. 3; Gaz. vol. 208; p. 297.
- Abbott, Charles C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Paper-feed mechanism for voting-machines. No. 1,085,837; Feb. 3; Gaz. vol. 199; p. 92.
- Abbott, Charles C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Interlock between groups for voting-machines. No. 1,085,838; Feb. 3; Gaz. vol. 199; p. 92.
- Abbott, Charles C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Paper-feed mechanism for voting-machines. No. 1,086,009; Feb. 3; Gaz. vol. 199; p. 154.
- Abbott, Charles C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Voting mechanism for voting-machines. No. 1,105,597; Aug. 4; Gaz. vol. 205; p. 3.
- Abbott, Charles C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Voting-machine. No. 1,105,598; Aug. 4; Gaz. vol. 205; p. 3.
- Abbott, Charles C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Multi-indorsement mechanism. No. 1,107,008; Aug. 11; Gaz. vol. 205; p. 539.

Alphabetical list of patentees—Continued.

- Abbott, Charles C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Primary-voting mechanism. No. 1,116,360; Nov. 10; Gaz. vol. 208; p. 345.
- Abbott, Charles M., Watertown, assignor to Samuel Cabot, Inc., Boston, Mass. Treating bundles of shingles. No. 1,105,055; July 28; Gaz. vol. 204; p. 1119.
- Abbott, Chauncey W., Auburn, N. Y., assignor to National Metal Molding Company, Pittsburgh, Pa. Circuit-extension box. No. 1,097,116; May 19; Gaz. vol. 202; p. 743.
- Abbott, Claude H., Lisbon, N. D. Acetylene-gas generator. No. 1,117,745; Nov. 17; Gaz. vol. 208; p. 876.
- Abbott, Essex S., Malden, Mass. Rubber heel. No. 1,112,749; Oct. 6; Gaz. vol. 207; p. 120.
- Abbott, Frona. (See Parmeter, Margaret A. W., assignor.)
- Abbott, George L., Morriston, Fla. Crushing-mill. No. 1,103,727; July 14; Gaz. vol. 204; p. 572.
- Abbott, Gheen K., Baltimore, Md. Earth carrier and dumper. No. 1,087,343; Feb. 17; Gaz. vol. 199; p. 709.
- Abbott, Harry H., and N. L. Dean, Coldwater, Mich. Explosive-engine. No. 1,100,279; June 16; Gaz. vol. 203; p. 736.
- Abbott, Harry W., Chicago, Ill. Grinding device. No. 1,086,743; Feb. 10; Gaz. vol. 199; p. 451.
- Abbott, Henry, East Orange, N. J., assignor to Calculagraph Company, New York, N. Y. Card-gate. No. 1,091,786; Mar. 31; Gaz. vol. 200; p. 1232.
- Abbott, James C., New York, N. Y. Safety-lock. No. 1,116,361; Nov. 10; Gaz. vol. 208; p. 345.
- Abbott, James H., Philadelphia, Pa. Producing dental suction. No. 1,092,553; Apr. 7; Gaz. vol. 201; p. 147.
- Abbott, James H., Philadelphia, Pa. Suction for dental plates. No. 1,092,554; Apr. 7; Gaz. vol. 201; p. 148.
- Abbott, James H., Philadelphia, Pa. Mounting for and by tubular devices. No. 1,105,590; July 28; Gaz. vol. 204; p. 1308.
- Abbott, James R., St. Petersburg, Fla. Wave and tide motor. No. 1,098,208; May 26; Gaz. vol. 202; p. 1168.
- Abbott, John R., London, England. Billiard-cushion. No. 1,119,212; Dec. 1; Gaz. vol. 209; p. 109.
- Abbott, Linn B., Bridgeport, Conn. Bolt-anchor. No. 1,095,366; May 5; Gaz. vol. 202; p. 66.
- Abbott, Linn B., Bridgeport, Conn. Insulator. No. 1,113,399; Oct. 13; Gaz. vol. 207; p. 388.
- Abbott, Linn B., Bridgeport, Conn. Ground-clamp. No. 1,123,060; Dec. 29; Gaz. vol. 209; p. 1607.
- Abbott, Robert, assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp-receptacle. No. 1,101,376; June 23; Gaz. vol. 203; p. 1167.
- Abbott, William G., Jr., Milford, N. H. Fluid-pressure apparatus. No. 1,102,222; June 30; Gaz. vol. 203; p. 1516.
- Abbott, William G., Jr., Wilton, N. H. Recovery of ingredients from wool-scouring and analogous liquors. No. 1,110,277; Sept. 8; Gaz. vol. 206; p. 546.
- Abbott, William G., Jr., Lynn, Mass., assignor to General Electric Company. Solid titanium-carbid stick-electrode. No. 1,099,138; June 2; Gaz. vol. 203; p. 261.
- Abbott, William H., Gwinn, Mich. Spring-wheel. No. 1,104,752; July 21; Gaz. vol. 204; p. 965.
- Abbott, William H., assignor to Wheeling Corrugating Company, Wheeling, W. Va. Gutter-miter. No. 1,096,212; May 12; Gaz. vol. 202; p. 388.
- Abel, August, assignor to Maschinenfabrik Moenus A.-G., Frankfurt-on-the-Main, Germany. Machine for measuring the surface of leather or the like. No. 1,110,278; Sept. 8; Gaz. vol. 206; p. 546.
- Abel, Harry A., Seattle, Wash. Brake-governor. No. 1,122,225; Dec. 22; Gaz. vol. 209; p. 1276.
- Abell, Florence, administratrix. (See Abell, Spencer.)
- Abell, Rollin. (See Hill and Abell.)
- Abell, Spencer, deceased, assignor of one-half to A. Latham, Beverly, Mass.; F. Abell, administratrix. Internal-combustion engine. No. 1,097,578; May 19; Gaz. vol. 202; p. 902.
- Abels, Franz, Bremen, Germany. Steam-trap. No. 1,086,260; Feb. 3; Gaz. vol. 199; p. 239.
- Abelson, Abraham. (See Scott, Charles E., assignor.)
- Abelson, Abraham, New York, N. Y. Sanitary vessel. No. 1,095,538; May 5; Gaz. vol. 202; p. 126.
- Abercrombie, Charles M., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Overedge sewing and cutting machine. No. 1,098,003; May 26; Gaz. vol. 202; p. 1099.
- Abetz, Joseph, New Britain, Conn. Base for lanterns. No. 1,103,014; July 7; Gaz. vol. 204; p. 275.
- Abizaid, Alkoury A., Washington, D. C. Buckle. No. 1,115,459; Oct. 27; Gaz. vol. 207; p. 1201.
- Aborn, George P., Brookline, Mass., assignor to Blake & Knowles Steam Pump Works. Engine-valve. No. 1,102,180; June 30; Gaz. vol. 203; p. 1499.
- Aborn, George P., Brookline, Mass., assignor to The Blake & Knowles Steam Pump Works. Engine-valve. No. 1,102,181; June 30; Gaz. vol. 203; p. 1500.
- Aborn, George P., Brookline, Mass., assignor to The Blake & Knowles Steam Pump Works. Pump-valve. No. 1,116,341; Nov. 3; Gaz. vol. 208; p. 293.
- Abraham, Frank. (See Madarasz and Abraham.)
- Abraham, Lawrence, New York, N. Y. Repeating device for disk talking-machines. No. 1,104,760; July 28; Gaz. vol. 204; p. 1017.
- Abraham, Lawrence, New York, N. Y. Repeating mechanism for talking-machines. No. 1,107,242; Aug. 11; Gaz. vol. 205; p. 622.
- Abraham, Lawrence, New York, N. Y. Repeating device for talking-machines. No. 1,117,143; Nov. 10; Gaz. vol. 208; p. 623.
- Abrahams, William, Philadelphia, Pa. Lining for sleeves. No. 1,106,912; Aug. 11; Gaz. vol. 205; p. 508.
- Abramovitz, Morris, Baltimore, Md. Gravity and syringe apparatus for intravenous injection of drugs. No. 1,086,976; Feb. 10; Gaz. vol. 199; p. 531.
- Abramowitz, Motel, Montreal, Quebec, Canada. Edge-turning attachment for sewing-machines. No. 1,085,958; Feb. 3; Gaz. vol. 199; p. 135.
- Abrams, Jesse E., Canonsburg, Pa., and I. F. Warne, Syracuse, N. Y., assignors, by mesne assignments, to Continental Can Company, Inc. Can-closing machine. No. 1,103,643; July 14; Gaz. vol. 204; p. 543.
- Abrams, John A., Wadsworth, Ohio. Appliance for gas-lights. No. 1,090,671; Mar. 17; Gaz. vol. 200; p. 777.
- Abrams, William T. (See Shalbetter and Abrams.)
- Abramsen, Petter B., Knoxville, Pa. Machine for straightening rods and pipes. No. 1,097,281; May 19; Gaz. vol. 202; p. 802.
- Abramson, Nathan, Washington, D. C. Spike. No. 1,108,483; Aug. 25; Gaz. vol. 205; p. 1154.
- Abresch, Eugen. (See Brune and Horst, assignors.)
- Abt, Alfred, Bridgeport, Conn. Single-delivery paper box. No. 1,119,213; Dec. 1; Gaz. vol. 209; p. 109.
- Abtmeyer, Theodore, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Culinary apparatus. No. 1,121,575; Dec. 15; Gaz. vol. 209; p. 1015.
- Accisano, Nicholas, Newark, N. J. Clipper. No. 1,086,799; Feb. 10; Gaz. vol. 199; p. 472.
- Ach, Alwin, Munich, Germany. Surgical appliance. No. 1,117,618; Nov. 17; Gaz. vol. 208; p. 829.
- Ach, George von, Newark, N. J. Inhaler. No. 1,084,182; Jan. 13; Gaz. vol. 198; p. 337.
- Achard, John W., Philadelphia, Pa. Terminal for secondary or storage batteries. No. 1,085,959; Feb. 3; Gaz. vol. 199; p. 136.
- Achenbach, Erwin, Hamburg, Germany. Electric battery. No. 1,098,606; June 2; Gaz. vol. 203; p. 86.
- Achenbach, Julius A. E. (See Pörscke and Achenbach.)
- Achenbach, Julius A. E., Hamburg, Germany. Dry battery. No. 1,090,372; Mar. 17; Gaz. vol. 200; p. 673.
- Acheson Oildag Company. (See Townsend, Clinton P., assignor.)
- Achilles, Paul A., Hamburg, Germany. Manufacture of hollow bodies of perfect shape. No. 1,093,568; Apr. 14; Gaz. vol. 201; p. 524.
- Acid Process Company, The. (See Thatcher, William A., assignor.)
- Acker, Charles C., Winnsboro, Tex. Rail-joint. No. 1,091,029; Mar. 24; Gaz. vol. 200; p. 931.
- Acker, Charles E., Ossining, N. Y., assignor to The Nitrogen Company. Producing alkali and alkaline earth metals. No. 1,116,865; Nov. 10; Gaz. vol. 208; p. 527.
- Acker, Edwin. (See Winther, Laska, Zitscher, Kunert, and Acker.)
- Acker, Edwin. (See Zitscher, Kunert, and Acker.)
- Acker, Julius J. (See Chenoweth, Acker, and Hull.)
- Acker, Otto. (See Shurlow and Acker.)
- Acker, Willitt H., assignor of one-half to W. S. Killingsworth, Jr., Vacaville, Cal. Explosive-motor. No. 1,097,579; May 19; Gaz. vol. 202; p. 903.
- Ackerman, E. L. (See Stutz, William H., assignor.)
- Ackerman, Edward L., Detroit, Mich. Joint or hinge for wind-shields. No. 1,121,576; Dec. 15; Gaz. vol. 209; p. 1015.
- Ackerman, Frederick, and J. H. Sullivan, Vancouver, British Columbia, Canada. Music-leaf turner. No. 1,110,521; Sept. 15; Gaz. vol. 206; p. 671.
- Ackerman, Frederick, and J. H. Sullivan, Vancouver, British Columbia, Canada. Music-leaf turner. No. 1,112,400; Sept. 29; Gaz. vol. 206; p. 1404.
- Ackerman, Frederick W., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Filing-cabinet. No. 1,099,868; June 9; Gaz. vol. 203; p. 557.
- Ackermann, Fritz. (See Geldermann and Ackermann.)
- Ackerman, Maurice, assignor of two-fifths to S. Krucoff, Washington, D. C. Nut-lock. No. 1,110,996; Sept. 15; Gaz. vol. 206; p. 837.
- Ackerman, Ralph B., El Moro, Colo. Pump. No. 1,110,522; Sept. 15; Gaz. vol. 206; p. 672.
- Acklen, Thomas E. (See Hammond, Charles M., assignor.)
- Ackley, John A. (See Stratford and Ackley.)
- Ackley, Robert T., Cortland, Ohio. Wave-detector. No. 1,112,411; Sept. 29; Gaz. vol. 206; p. 1408.
- Acme Electric Heater Company. (See Schneider, George J., assignor.)
- Acme Electrotube Company. (See Wohlberg, William H., assignor.)
- Acme Furnace Equipment Company, The. (See Quinn, John C., assignor.)

Alphabetical list of patentees—Continued.

- Acme Knitting Machine and Needle Company. (See McFadden and Stewart, assignors.)
 Acme Machine Tool Company, The. (See Pearson, James R., assignor.)
 Acme Register Company. (See Williams, Frederick, assignor.)
 Acme Road Machinery Company. (See Cook, David B., assignor.)
 Acme Steel Goods Company. (See Nelson, Aron A., assignor.)
 Acme Supply Company, The. (See Schroyer, Harry H., assignor.)
 Acme White Lead and Color Works. (See Holley, Clifford D., assignor.)
 Acme Wire Co., The. (See Underhill and Kelsey, assignors.)
 Actien Gesellschaft für Anilin Fabrikation. (See Erlenbach, Arnold, assignor.)
 Actien Gesellschaft für Anilin Fabrikation. (See Erlenbach and Marx, assignors.)
 Actien Gesellschaft für Anilin Fabrikation. (See Geldermann and Ackermann, assignors.)
 Actien Gesellschaft für Anilin Fabrikation. (See Heilmann, Heinrich, assignor.)
 Actien Gesellschaft für Anilin Fabrikation. (See Marx, Karl, assignor.)
 Actien Gesellschaft für Anilin Fabrikation. (See Scharfenberg and Herzberg, assignors.)
 Actien Gesellschaft für Anilin Fabrikation. (See Traube, Arthur, assignor.)
 Actien Gesellschaft für Anilin Fabrikation. (See Witt, Otto N., assignor.)
 Acton, Columbus C., Detroit, Mich. Fountain-brush. No. 1,085,839; Feb. 3; Gaz. vol. 199; p. 92.
 Acton Lamp Company Limited, The. (See Lowden, Tom W., assignor.)
 Ad-Atype Matrix Company, The. (See Hanrahan, John E., assignor.)
 Adair, Adolphus G., Seattle, Wash. Sheep-hook. No. 1,120,115; Dec. 8; Gaz. vol. 209; p. 454.
 Adair, Thomas D., Boston, Mass., assignor to Standard Thermometer Company, Portland, Me. Gasolene and water separator. No. 1,106,352; Aug. 4; Gaz. vol. 205; p. 264.
 Adair, William M., Alganssee, Mich. Draft-equalizer. No. 1,115,460; Oct. 27; Gaz. vol. 207; p. 1202.
 Adam, Christopher S., Molson, Wash. Latch for barn-doors, &c. No. 1,086,977; Feb. 10; Gaz. vol. 199; p. 332.
 Adam, Edwin, Newark, N. J. Envelop. No. 1,115,149; Oct. 27; Gaz. vol. 207; p. 1096.
 Adam, Fredrick B., assignor to Frank Adam Electric Company, St. Louis, Mo. Meter-control panel-board. No. 1,099,683; June 9; Gaz. vol. 203; p. 495.
 Adam, Fredrick B., and L. H. Arens, assignors to Frank Adam Electric Company, St. Louis, Mo. Signaling system. No. 1,091,465; Mar. 24; Gaz. vol. 200; p. 1074.
 Adam, Fritz, Berne, Switzerland. Compression-regulator for engines with superheated steam. No. 1,094,958; Apr. 28; Gaz. vol. 201; p. 1103.
 Adam, George H., Cincinnati, Ohio. Safety saw-guard. No. 1,101,515; June 30; Gaz. vol. 203; p. 1267.
 Adam, Harry C., St. Louis, Mo. Semi-indirect-lighting fixture. No. 1,121,577; Dec. 15; Gaz. vol. 209; p. 1015.
 Adam, Harry C., St. Louis, Mo. Semi-indirect-lighting fixture. No. 1,122,226; Dec. 22; Gaz. vol. 209; p. 1276.
 Adam, John A., Montreal, Quebec, Canada. Leather-cutting machine. No. 1,101,377; June 23; Gaz. vol. 203; p. 1167.
 Adam, William J., assignor, by mesne assignments, to Plimpton Press, Norwood, Mass. Truck. No. 1,083,422; Jan. 6; Gaz. vol. 198; p. 55.
 Adam, William J., assignor to The Plimpton Press, Norwood, Mass. Printing-form. No. 1,089,100; Mar. 3; Gaz. vol. 200; p. 146.
 Adam, William J., assignor to The Plimpton Press, Norwood, Mass. Ink-supply for printing-presses. No. 1,112,412; Sept. 29; Gaz. vol. 206; p. 1408.
 Adamec, Franz, Martinoves, near Budin, Austria-Hungary. Protecting-roof for haystacks and the like and its manufacture. No. 1,106,353; Aug. 4; Gaz. vol. 205; p. 264.
 Adamec, Jacob H., assignor of one-third to J. H. Stone, Durham, N. C. Cutting mechanism for knitting-machines. No. 1,103,922; July 14; Gaz. vol. 204; p. 637.
 Adamek, Antone J., Orient, S. D. Tire-remover. No. 1,120,658; Dec. 15; Gaz. vol. 209; p. 695.
 Adams, John D., Kansas City, Mo. Stack razing and conveying mechanism. No. 1,101,161; June 23; Gaz. vol. 203; p. 1091.
 Adams, Albert L., Cedar Rapids, Iowa. Handle and fastener therefor. No. 1,090,122; Mar. 10; Gaz. vol. 200; p. 545.
 Adams, Albert L., Cedar Rapids, Iowa. Metal receptacle. No. 1,106,022; Aug. 4; Gaz. vol. 205; p. 152.
 Adams, Alexander C., Hartford, Conn. Transportation-ticket. No. 1,090,589; Mar. 17; Gaz. vol. 200; p. 750.
 Adams, Alfred N., Stockton, Cal. Transmission-gearing. No. 1,111,551; Sept. 22; Gaz. vol. 206; p. 1072.
 Adams, Alonzo H., Wilkinsburg, Pa. Vehicle seat construction. No. 1,090,112; Mar. 10; Gaz. vol. 200; p. 541.
 Adams, Alonzo T., assignor to Marseilles Company, East Moline, Ill. Elevator. No. 1,114,424; Oct. 20; Gaz. vol. 207; p. 788.
 Adams, Alonzo T., assignor to Marseilles Company, East Moline, Ill. Elevator. No. 1,114,425; Oct. 20; Gaz. vol. 207; p. 788.
 Adams, Alonzo T., Marseilles, assignor, by mesne assignments, to Marseilles Company, East Moline, Ill. Elevator. No. 1,117,619; Nov. 17; Gaz. vol. 208; p. 829.
 Adams, Archibald H., San Francisco, Cal. Pedal attachment. No. 1,096,339; May 12; Gaz. vol. 202; p. 435.
 Adams, Arthur A. (See Emery and Adams.)
 Adams, Arthur A., Brookline, Mass., assignor, by mesne assignments, to Atlantic National Bank, Providence, R. I. Target-practice apparatus. No. 1,086,882; Feb. 10; Gaz. vol. 199; p. 501.
 Adams, Arthur H. (See McBerty and Adams.)
 Adams, Arthur H., Sparkill, assignor to Western Electric Company, New York, N. Y. Retractor for printing-telegraphs. No. 1,098,545; June 2; Gaz. vol. 203; p. 67.
 Adams, Arthur H., Sparkill, assignor to Western Electric Company, New York, N. Y. Telegraph-key. No. 1,100,167; June 16; Gaz. vol. 203; p. 698.
 Adams, Arthur H., Sparkill, assignor to Western Electric Company, New York, N. Y. Ratchet mechanism. No. 1,104,464; July 21; Gaz. vol. 204; p. 865.
 Adams, Arthur H., Brussels, Belgium, assignor to Western Electric Company, New York, N. Y. Semi-automatic winding-machine. No. 1,117,620; Nov. 17; Gaz. vol. 208; p. 829.
 Adams, Arthur H., Brussels, Belgium, and A. F. Dixon, Newark, N. J., assignors to Western Electric Company, New York, N. Y. Printing-telegraph system. No. 1,086,695; Feb. 10; Gaz. vol. 199; p. 435.
 Adams, Arthur H., Sparkill, N. Y., and J. N. Wallace, Antwerp, Belgium, assignors to Western Electric Company, New York, N. Y. Telegraph-key. No. 1,100,168; June 16; Gaz. vol. 203; p. 699.
 Adams, Arthur H., Sparkill, N. Y., and A. F. Dixon, Newark, N. J., assignors to Western Electric Company, New York, N. Y. Telegraph system. No. 1,108,109; Aug. 18; Gaz. vol. 205; p. 976.
 Adams, Arthur J., assignor to Fulton Manufacturing Company, Chicago, Ill. Wheel-securing device. No. 1,094,046; Apr. 21; Gaz. vol. 201; p. 728.
 Adams, Arthur J., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Go-cart or perambulator. No. 1,111,514; Sept. 22; Gaz. vol. 206; p. 1059.
 Adams, Arthur J., assignor to Fulton Manufacturing Company, Chicago, Ill. Perambulator. No. 1,111,515; Sept. 22; Gaz. vol. 206; p. 1059.
 Adams, Arthur J., assignor to Fulton Manufacturing Company, Chicago, Ill. Perambulator, go-cart, &c. No. 1,111,516; Sept. 22; Gaz. vol. 206; p. 1060.
 Adams, Arthur J., assignor to Fulton Manufacturing Company, Chicago, Ill. Perambulator or go-cart. No. 1,111,517; Sept. 22; Gaz. vol. 206; p. 1060.
 Adams, Arthur J., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Brake device. No. 1,085,573; Jan. 27; Gaz. vol. 198; p. 869.
 Adams, Arthur J., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Baby-carriage. No. 1,090,511; Mar. 17; Gaz. vol. 200; p. 724.
 Adams, Arthur J., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Go-cart or perambulator. No. 1,093,093; Apr. 14; Gaz. vol. 201; p. 367.
 Adams, Arthur J., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Go-cart or perambulator. No. 1,093,094; Apr. 14; Gaz. vol. 201; p. 367.
 Adams, Arthur J., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Go-cart or perambulator. No. 1,093,095; Apr. 14; Gaz. vol. 201; p. 368.
 Adams, Arthur J., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Go-cart or perambulator. No. 1,094,045; Apr. 21; Gaz. vol. 201; p. 728.
 Adams, Arthur J., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Perambulator or go-cart. No. 1,102,182; June 30; Gaz. vol. 203; p. 1500.
 Adams, Benjamin F., assignor of one-half to F. G. Foxworth, Stratford, Tex. Pipe-wrench. No. 1,095,616; May 5; Gaz. vol. 202; p. 152.
 Adams, Benjamin F., assignor of one-third to L. M. Price, Stratford, Tex. Pipe and rod clamp. No. 1,123,156; Dec. 29; Gaz. vol. 209; p. 1642.
 Adams, Burton H. and W. C., Decorah, Iowa. Seed-testing apparatus. No. 1,085,780; Feb. 3; Gaz. vol. 199; p. 73.
 Adams, Calvin T., New York, N. Y. Non-skidding tire. No. 1,092,419; Apr. 7; Gaz. vol. 201; p. 102.
 Adams, Chester L. (See Sohm and Adams.)
 Adams, Claude. (See Fenno, George B., assignor.)
 Adams, Claude T. (See Nairne, James D., assignor.)

Alphabetical list of patentees—Continued.

- Adams, David L., Aylett, Va. Sawmill. No. 1,105,591; July 28; Gaz. vol. 204; p. 1308.
- Adams, Earl T. (See White and Adams.)
- Adams, Edwin G., Marysville, Ohio. Traction-gear. No. 1,118,835; Nov. 24; Gaz. vol. 208; p. 1293.
- Adams, Francis S., and W. H. Rickard, Pueblo, Colo. Sliding door. No. 1,111,634; Sept. 22; Gaz. vol. 206; p. 1101.
- Adams, Frank E., Bromborough, England. Seaming-machine. No. 1,087,059; Feb. 10; Gaz. vol. 199; p. 557.
- Adams, Frank W., Eastbourne, England. Printing-machine. No. 1,086,261; Feb. 3; Gaz. vol. 199; p. 239.
- Adams, George C., Chicago, Ill. Throttling device for pipes or tubes or pumps. No. 1,095,767; May 5; Gaz. vol. 202; p. 204.
- Adams, George W., assignor to Eastman Kodak Company, Rochester, N. Y. Spool. No. 1,091,106; Mar. 24; Gaz. vol. 200; p. 957.
- Adams, Gridley, New Rochelle, N. Y. Advertising-sign. No. 1,096,088; May 12; Gaz. vol. 202; p. 348.
- Adams, Harry A., East Hartford, Conn., assignor to A. C. Fairbanks, trustee, Springfield, Mass. Pliers. No. 1,107,210; Aug. 11; Gaz. vol. 205; p. 611.
- Adams, Harry A., East Hartford, Conn., assignor to A. C. Fairbanks, trustee, Springfield, Mass. Pliers. No. 1,107,243; Aug. 11; Gaz. vol. 205; p. 623.
- Adams, Harry L., Philadelphia, Pa. Pencil-sharpener. No. 1,083,649; Jan. 6; Gaz. vol. 198; p. 129.
- Adams, Herbert J., Los Angeles, Cal. Pocket check register and protector. No. 1,095,444; May 5; Gaz. vol. 202; p. 92.
- Adams, Howard R. (See Goodwin, Charles, assignor.)
- Adams, James B., Laurel Iron Works, W. Va. Vending-machine. No. 1,092,125; Mar. 31; Gaz. vol. 200; p. 1346.
- Adams, James D., and A. G. Johnson, Monessen, Pa., assignors to Pittsburgh Steel Co. Reel. No. 1,098,655; June 2; Gaz. vol. 203; p. 102.
- Adams, James F., assignor to The Canister Company, Phillipsburg, N. J. Package-can. No. 1,090,264; Mar. 17; Gaz. vol. 200; p. 635.
- Adams, James F., assignor to The Canister Company, Phillipsburg, N. J. Machine for preparing fibrous can-bodies. No. 1,104,465; July 21; Gaz. vol. 204; p. 865.
- Adams, Joel U., Cincinnati, Ohio. Truss-pad. No. 1,098,546; June 2; Gaz. vol. 203; p. 67.
- Adams, Joel U., Cincinnati, Ohio. Shoulder-brace. No. 1,117,746; Nov. 17; Gaz. vol. 208; p. 876.
- Adams, John B., Christchurch, New Zealand. Life-saving buoy. No. 1,089,617; Mar. 10; Gaz. vol. 200; p. 371.
- Adams, John E., Loveland, Ohio. Towel-holder. No. 1,093,518; Apr. 14; Gaz. vol. 201; p. 508.
- Adams, John M., Chicago, Ill. Metal bedstead. No. 1,083,346; Jan. 6; Gaz. vol. 198; p. 29.
- Adams, John Q., Westmont, N. J. Device for viewing and magnifying lines in telephone and other directories. No. 1,084,921; Jan. 20; Gaz. vol. 198; p. 612.
- Adams, John Q., Westmont, N. J. Sanitary-towel holder. No. 1,117,747; Nov. 17; Gaz. vol. 208; p. 877.
- Adams, John Q., Sr., Pittsburgh, Pa. Check-book. No. 1,099,731; June 9; Gaz. vol. 203; p. 510.
- Adams, Jordan, London, England. Lubrication of internal-combustion engines. No. 1,088,510; Feb. 24; Gaz. vol. 199; p. 1157.
- Adams Laundry Machinery Company. (See Mattice, Charles H., assignor.)
- Adams, Llewellyn. (See Adams, Wells, and Payne.)
- Adams, Marshall L., Goldsboro, N. C. Stalk-cutter. No. 1,105,949; Aug. 4; Gaz. vol. 205; p. 127.
- Adams, Matthew W., Omaha, Nebr. Cuspidor. No. 1,116,967; Nov. 10; Gaz. vol. 208; p. 561.
- Adams, Raleigh J., Los Angeles, Cal. Boiler-tube roller-expander. No. 1,108,655; Aug. 25; Gaz. vol. 205; p. 1213.
- Adams-Randall, Charles, Boston, Mass. Loud-speaking telephone-receiver. No. 1,083,788; Jan. 6; Gaz. vol. 198; p. 174.
- Adams-Randall, Charles, Boston, Mass. Head-support for telephone-receivers. No. 1,087,704; Feb. 17; Gaz. vol. 199; p. 837.
- Adams, Robert and R. H., London, England. Door spring and check. No. 1,101,232; June 23; Gaz. vol. 203; p. 1119.
- Adams, Robert H. (See Adams, Robert and R. H.)
- Adams, Robert W., and B. D. Potts, assignors to T. W. Adams & Co., Newark, N. J. Jewelry-pin. No. 1,120,116; Dec. 8; Gaz. vol. 209; p. 454.
- Adams, Roger C. (See Phinney and Adams.)
- Adams, Roger C., Buffalo, N. Y., assignor to The Phinney Engineering Company, Chillicothe, Ohio. Machine for trimming string-beans, &c. No. 1,091,787; Mar. 31; Gaz. vol. 200; p. 1232.
- Adams, Russell B., and L. A. C. H. Wells, and H. G. Payne, Westerville, Ohio. Device for disinfecting telephones. No. 1,095,950; May 5; Gaz. vol. 202; p. 263.
- Adams, Samuel F., Buffalo, N. Y. Car-door lock. No. 1,097,155; May 19; Gaz. vol. 202; p. 758.
- Adams, Samuel S., assignor to The Smith-Worthington Company, Hartford, Conn. Riding-saddle-tree. No. 1,111,817; Sept. 29; Gaz. vol. 206; p. 1203.
- Adams, Stephen S., St. Louis, Mo. License-plate for motor-vehicles. No. 1,092,887; Apr. 14; Gaz. vol. 201; p. 297.
- Adams, Susan S. (See Adams, William H. and S. S.)
- Adams, Theodore C., Portland, Oreg. Spray-brush. No. 1,120,659; Dec. 15; Gaz. vol. 209; p. 695.
- Adams, Walter C. (See Adams, Burton H. and W. C.)
- Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Means for operating sliding steps. No. 1,090,008; Mar. 10; Gaz. vol. 200; p. 506.
- Adams, Walter S., assignor to The J. G. Brill Co., Philadelphia, Pa. Car-truck. No. 1,091,107; Mar. 24; Gaz. vol. 200; p. 957.
- Adams, Walter S., assignor to The J. G. Brill Co., Philadelphia, Pa. Center-bearing for pivotal trucks. No. 1,094,185; Apr. 21; Gaz. vol. 201; p. 776.
- Adams, Walter S., assignor to The J. G. Brill Co., Philadelphia, Pa. Car-truck. No. 1,104,761; July 28; Gaz. vol. 204; p. 1017.
- Adams, Walter S., assignor to The J. G. Brill Co., Philadelphia, Pa. Car-truck. No. 1,108,110; Aug. 18; Gaz. vol. 205; p. 976.
- Adams, Walter S., assignor to The J. G. Brill Co., Philadelphia, Pa. Car-truck. No. 1,108,874; Sept. 1; Gaz. vol. 206; p. 3.
- Adams, Walter S., assignor to The J. G. Brill Co., Philadelphia, Pa. Brake for car-trucks. No. 1,119,772; Dec. 1; Gaz. vol. 209; p. 298.
- Adams, Walter S., assignor to The J. G. Brill Co., Philadelphia, Pa. Car-truck. No. 1,120,639; Dec. 8; Gaz. vol. 209; p. 641.
- Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Locking device for car-seats. No. 1,121,443; Dec. 15; Gaz. vol. 209; p. 969.
- Adams, Walter S., and A. F. H. Head, assignors to The J. G. Brill Company, Philadelphia, Pa. Car-truck. No. 1,096,340; May 12; Gaz. vol. 202; p. 435.
- Adams, Walter S., and A. F. H. Head, assignors to The J. G. Brill Company, Philadelphia, Pa. Car-truck. No. 1,096,341; May 12; Gaz. vol. 202; p. 436.
- Adams & Westlake Company, The. (See Hamm, William S., assignor.)
- Adams & Westlake Company, The. (See Newpher, Alfred H., assignor.)
- Adams, William C., Hartford, Conn. Stock-holding attachment for milling-machines. No. 1,116,342; Nov. 3; Gaz. vol. 208; p. 298.
- Adams, William E., Philadelphia, Pa. Furnace. No. 1,090,957; Mar. 24; Gaz. vol. 200; p. 905.
- Adams, William H. and S. S. Lawrence, Mass. Apparatus for striping surfaces. No. 1,112,960; Oct. 6; Gaz. vol. 207; p. 191.
- Adamson, Cecil F. (See Strohecker, Henry E., assignor.)
- Adamson, Cecil F., East Palestine, Ohio. Spreader for the leaves of springs. No. 1,108,111; Aug. 18; Gaz. vol. 205; p. 977.
- Adamson, Frank M. (See Miller and Adamson.)
- Adamson, John S., assignor of one-half to D. J. Lynch, Houston, Tex. Display-rack. No. 1,103,728; July 14; Gaz. vol. 204; p. 572.
- Adamson, Lee H., Rogers, Ark. Toy. No. 1,101,048; June 23; Gaz. vol. 203; p. 1056.
- Adamson, Lee H., Rogers, Ark. Cuff button or link. No. 1,101,049; June 23; Gaz. vol. 203; p. 1056.
- Adapti Manufacturing Company, The. (See Greene, William B., assignor.)
- Adapti Manufacturing Company, The. (See Van Duzer, Clarence E., assignor.)
- Adchair Company, The. (See Le Furge, William P., assignor.)
- Adder Machine Company, The. (See Bickford, Frank H., assignor.)
- Adder Machine Company. (See Hunter and Kuntzler, assignors.)
- Adder Machine Company, The. (See Ide, Warren J., assignor.)
- Addicks, Lawrence, Perth Amboy, and C. L. Brower, Chrome, N. J. Metallurgical furnace. No. 1,083,719; Jan. 6; Gaz. vol. 198; p. 153.
- Addis, Samuel A., New York, N. Y. Sugar-distributing bowl. No. 1,084,873; Jan. 20; Gaz. vol. 198; p. 597.
- Addis, Samuel A., New York, N. Y. Dispensing-bowl. No. 1,087,860; Feb. 17; Gaz. vol. 199; p. 889.
- Addometer Corporation. (See Lotterhand, Jason C., assignor.)
- Addressograph Company. (See Davis, Charles L., assignor.)
- Addressograph Company. (See Duncan, Joseph S., assignor.)
- Adell, Ernest T., Colorado Springs, Colo. Disk cutter. No. 1,095,615; May 5; Gaz. vol. 202; p. 151.
- Adenauer, Hubert J. (See Klink, Adenauer, and Wolf.)
- Adickes, Henning F., Jr., Biltmore, N. C. Binding-post. No. 1,122,351; Dec. 29; Gaz. vol. 209; p. 1358.
- Adison, Philip, New York, N. Y. Molding or conduit for electric wires. No. 1,117,748; Nov. 17; Gaz. vol. 208; p. 877.
- Adjusta Company. (See Hirsh, Fred, assignor.) (Re-issue.)
- Adjustable Frame Company. (See Reid, Andrew S. and R., assignors.)

Alphabetical list of patentees—Continued.

- Adjustable Horse Collar Co. (See Friberg, John G., assignor.)
- Adjustable Liquid Gauge Company. (See Hamilton, Charles F., assignor.)
- Adkins, Joe A. (See Westbrook, John A., assignor.)
- Adland, Victor E., Chicago, Ill. Alarm-clock. No. 1,113,279; Oct. 13; Gaz. vol. 207; p. 345.
- Adler, Ephraim, New York, N. Y. Expansion-bolt. No. 1,108,656; Aug. 25; Gaz. vol. 205; p. 1213.
- Adler, Herman, New York, N. Y. Lock. No. 1,112,246; Sept. 29; Gaz. vol. 206; p. 1350.
- Adler, Louis, New York, N. Y. Electric-wire conduit for buildings. No. 1,121,444; Dec. 15; Gaz. vol. 209; p. 969.
- Adler, Morton L., New York, N. Y. Cushion for billiard and pool tables. No. 1,115,761; Nov. 3; Gaz. vol. 208; p. 95.
- Adler, Morton L., New York, N. Y. Cushion for billiard and pool tables and the like. No. 1,118,461; Nov. 24; Gaz. vol. 208; p. 1166.
- Adler, P. Wilson. (See Brown, Franklin H., assignor.)
- Adler, Richard, Cleveland, Ohio. Account-receptacle. No. 1,086,341; Feb. 10; Gaz. vol. 199; p. 313.
- Adler, Rudolf, assignor to Naamlooze Vennootschap Algemeene Uitvinding Exploitatie Maatschappij, Amsterdam, Netherlands. Soluble protein compound obtained from fish and making the same. No. 1,101,513; June 23; Gaz. vol. 203; p. 1216.
- Adler, Samuel, New York, assignor to Englander Spring Bed Company, Brooklyn, N. Y. Folding chair. No. 1,116,197; Nov. 3; Gaz. vol. 208; p. 250.
- Adleta, Osea M. (See Adleta, William P. and O. M.)
- Adleta, William P. and O. M., Dallas, Tex. Railway-crossing signal. No. 1,108,822; Aug. 25; Gaz. vol. 205; p. 1269.
- Adolf Bleichert & Company. (See Brunner and Schöndeling, assignors.)
- Adolison, John P., Chokio, Minn. Curry-brush. No. 1,103,644; July 14; Gaz. vol. 204; p. 544.
- Adolph, Gustav. (See Pietzsch and Adolph.)
- Adolph, John U., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Percussive tool. No. 1,113,729; Oct. 13; Gaz. vol. 207; p. 502.
- Adolph, Robert, Brooklyn, N. Y. Car-coupling. No. 1,113,730; Oct. 13; Gaz. vol. 207; p. 503.
- Adreon, Clemence E., executrix. (See Adreon, Edward L., Jr.)
- Adreon, Edward L., Jr., deceased, St. Louis, Mo.; C. E. Adreon, executrix. Tie-plate. No. 1,095,305; May 5; Gaz. vol. 202; p. 45.
- Adreon, Robert E., St. Louis, Mo., assignor to The American Brake Company, East St. Louis, Ill. Automatic slack-adjuster. No. 1,120,640; Dec. 8; Gaz. vol. 209; p. 641.
- Adrian, Jakob, Oberursel, near Frankfurt-on-the-Main, Germany. Driving device. No. 1,117,749; Nov. 17; Gaz. vol. 208; p. 877.
- Adrian, Manuel, San Jose, Cal. Automatic revolving earth-scraper. No. 1,095,488; May 5; Gaz. vol. 202; p. 109.
- Adriance, Benjamin. (See Calleson, Amos, assignor.)
- Adriance, Benjamin, and A. Calleson, Brooklyn, N. Y.; said Calleson assignor to said Adriance. Bottle-sealing machine. No. 1,096,521; May 12; Gaz. vol. 202; p. 495.
- Adriance, Benjamin, and A. Calleson, Brooklyn, N. Y.; said Calleson assignor to said Adriance. Effecting successive advance of laminated sheets. No. 1,096,522; May 12; Gaz. vol. 202; p. 495.
- Adsit, George, assignor to Benjamin Eastwood Company, Paterson, N. J. Quilling-machine. No. 1,115,267; Oct. 27; Gaz. vol. 207; p. 1137.
- Adt, John B., Baltimore, Md., assignor to The John B. Adt Company. Filtering-press. No. 1,098,075; May 26; Gaz. vol. 202; p. 1125.
- Adt, John B., Baltimore, Md., assignor to The John B. Adt Company. Rotary filtering apparatus. No. 1,098,076; May 26; Gaz. vol. 202; p. 1125.
- Adt, Leo F., Albany, N. Y. Eyeglass-mounting. No. 1,095,367; May 5; Gaz. vol. 202; p. 66.
- Adt, Leo F., Albany, N. Y. Mounting for spectacles. No. 1,098,366; June 2; Gaz. vol. 203; p. 3.
- Adt, Leo F., Albany, N. Y. Eyeglass-mounting. No. 1,103,240; July 14; Gaz. vol. 204; p. 403.
- Advance Machinery Company, The. (See Angebrandt, Hubert, Jr., assignor.)
- Advance Manufacturing Company. (See Holmes, Roy N., assignor.)
- Advance Manufacturing and Supply Company, The. (See Folger, Comstock, Cory, and Bouthouse, assignors.)
- Advance Mfg. Co. (See Barnes, Edward M., assignor.)
- Advance Terra Cotta Company. (See Prosser, Henry B., assignor.)
- Advertisers Company. (See Gibson, Francis W., assignor.)
- Aeolian Company. (See Waters, Samuel S., assignor.)
- Aerated Gas Appliance Co., The. (See Stapleton, James F., assignor.)
- Aermotor Company, The. (See Noyes, La Verne W., assignor.)
- Aermotor Company, The. (See Scholes, Daniel R., assignor.)
- Aero-Gas Machine Company. (See Laux, Mathias, assignor.)
- Aero Manufacturing Company *et al.* (See Hogan, George L., assignor.)
- Agan, John P., assignor of one-third to W. A. Shumate and one-third to F. J. Lerch, Louisville, Ky. Screw-propeller. No. 1,110,979; Sept. 15; Gaz. vol. 206; p. 832.
- Agasote Millboard Co., The. (See Sutherland, Daniel M., Jr., assignor.)
- Agee, Willie M., Elmer, Mo. Combined load-binder and brake attachment. No. 1,099,153; June 9; Gaz. vol. 203; p. 311.
- Agier, Marie, assignor of one-half to W. Watts, Washington, D. C. Culinary stand. No. 1,099,154; June 9; Gaz. vol. 203; p. 311.
- Agnew, Samuel A. (See Huntington, Cory O., assignor.)
- Agnew, Walter F., Fort Worth, Tex. World-chronometer. No. 1,122,352; Dec. 29; Gaz. vol. 209; p. 1359.
- Aguilar, Salvador, New York, N. Y. Preparation for preserving leather. No. 1,121,220; Dec. 15; Gaz. vol. 209; p. 892.
- Ahara, George V., Toronto, Ontario, Canada, assignor to Fairbanks, Morse & Company, Chicago, Ill. Ignition apparatus for internal-combustion engines. No. 1,104,860; July 28; Gaz. vol. 204; p. 1052.
- Ahlberg, Alfred. (See Hoen, Samuel C., assignor.)
- Ahlberg, Charles M., St. Paul, Minn. Latch. No. 1,115,762; Nov. 3; Gaz. vol. 208; p. 99.
- Ahlberg, Gustav A. F., Chicago, Ill. Internal-combustion engine. No. 1,085,233; Jan. 27; Gaz. vol. 198; p. 755.
- Ahlberg, Gustav A. F., Chicago, Ill. Carbureter. No. 1,104,762; July 28; Gaz. vol. 204; p. 1018.
- Ahlberg, Gustav A. F., Racine, Wis. Internal-combustion engine. No. 1,096,819; May 19; Gaz. vol. 202; p. 638.
- Ahlborn, Otto C., Hildersheim, Germany. Pump. No. 1,099,155; June 9; Gaz. vol. 203; p. 311.
- Ahlbrecht, August, Pittsburgh, Pa. Aeroplane. No. 1,092,888; Apr. 14; Gaz. vol. 201; p. 297.
- Ahlen, William. (See Williams and Ahlen.)
- Ahlen, William, Duquesne, Pa. Gage-locking device. No. 1,090,809; Mar. 17; Gaz. vol. 200; p. 821.
- Ahlen, William, Duquesne, Pa. Steam-regenerator. No. 1,105,122; July 28; Gaz. vol. 204; p. 1141.
- Ahlen, William, Duquesne, Pa. Car-coupling and coupling-operating mechanism. No. 1,114,570; Oct. 20; Gaz. vol. 207; p. 839.
- Ahlm, Charles E. F., and C. E. Cochran, assignors, by mesne assignments, to The Elwell-Parker Electric Company, Cleveland, Ohio. Driving-gearing. No. 1,120,355; Dec. 8; Gaz. vol. 209; p. 540.
- Ahlm, Charles E. F., and C. E. Cochran, assignors, by mesne assignments, to The Elwell-Parker Electric Company, Cleveland, Ohio. Vehicle-brake. No. 1,121,221; Dec. 15; Gaz. vol. 209; p. 892.
- Ahlquist, Eugene F., Minneapolis, Minn. Envelop. No. 1,108,540; Aug. 25; Gaz. vol. 205; p. 1174.
- Ahlstrom, Charles A., Jamestown, N. Y. Music-sheet for manually and mechanically operated musical instruments. No. 1,122,237; Dec. 22; Gaz. vol. 209; p. 1280.
- Ahlstrom, Frederick. (See Whitford and Ahlstrom.)
- Ahlstrom, Frederick, assignor, by mesne assignments, to Metals Company, Chicago, Ill. Trap-door mechanism. No. 1,102,220; June 30; Gaz. vol. 203; p. 1515.
- Ahlstrom, Frederick, and J. F. Oelerich, Chicago, Ill. Window-screen. No. 1,102,995; July 7; Gaz. vol. 204; p. 267.
- Ahlvin, John E., Joliet, Ill. Carpenter's marking device. No. 1,101,516; June 30; Gaz. vol. 203; p. 1267.
- Ahlvin, John E., Joliet, Ill. Frame-squaring device. No. 1,101,517; June 30; Gaz. vol. 203; p. 1267.
- Ahnert, Henry A., New York, N. Y. Shock-absorber. No. 1,112,961; Oct. 6; Gaz. vol. 207; p. 191.
- Aho, John, Lawrence, Mass. Joint for railway-rails. No. 1,108,541; Aug. 25; Gaz. vol. 205; p. 1175.
- Ahrano, Jean M., Tampa, assignor of one-half to J. P. Davidson, Palmetto, Fla. Awning. No. 1,115,368; Oct. 27; Gaz. vol. 207; p. 1171.
- Aichele, Albert, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Device on transformers for preventing the decomposition of oil by the oxygen contained in air. No. 1,088,197; Feb. 24; Gaz. vol. 199; p. 1053.
- Aichele, Albert, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Brush-holder for dynamo-electric machinery. No. 1,102,119; June 30; Gaz. vol. 203; p. 1479.
- Aicher, Gustave A., and S. Lazar, San Francisco, Cal. Paper-towel container. No. 1,101,004; June 23; Gaz. vol. 203; p. 1040.
- Aicher, Gustave A., and S. Lazar, San Francisco, Cal. Paper-towel container. No. 1,101,378; June 23; Gaz. vol. 203; p. 1167.
- Aicher, Gustave A., and S. Lazar, San Francisco, Cal. Paper-towel container. No. 1,110,523; Sept. 15; Gaz. vol. 206; p. 672.
- Aiken, Charles W. (See Butterworth, Samuel, assignor.)
- Aiken, Edward L., Springfield, Mass. Dust-cap for valve-stems. No. 1,123,157; Dec. 29; Gaz. vol. 209; p. 1642.

Alphabetical list of patentees—Continued.

- Aiken, Thomas M., Pittsburgh, assignor of one-third to C. D. Kuhns, Knoxville, and one-third to E. C. Mull, Pittsburgh, Pa. Sink-strainer. No. 1,093,342; Apr. 14; Gaz. vol. 201; p. 453.
- Aikin, Dow. (See Brown, Marshall R., assignor.)
- Aims, William D. P., Jr., Philadelphia, Pa. Horseshoe. No. 1,093,163; Apr. 14; Gaz. vol. 201; p. 392.
- Ainley, John S., Huddersfield, England. Washing and scouring machine. No. 1,122,227; Dec. 22; Gaz. vol. 209; p. 1277.
- Ainslie, Albert E., Brashear, Mo. Removable cap for oil-cans. No. 1,116,968; Nov. 10; Gaz. vol. 208; p. 561.
- Air Friction Carburetor Company, The. (See Raymond, John W., assignor.)
- Air Turbine Company of America. (See Harper, Samuel S., assignor.)
- Airhart, Lewis, West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Electrically-heated stamping-press. No. 1,099,892; June 9; Gaz. vol. 203; p. 565.
- Airo Manufacturing Co. (See Brumley, William H., assignor.)
- Aisenstein, Edward, New York, N. Y. Cigarette-box. No. 1,092,553; Apr. 7; Gaz. vol. 201; p. 148.
- Aitchison, Peter, New Rochelle, assignor to American Bank Note Company, New York, N. Y. Conditioning printed paper. No. 1,115,150; Oct. 27; Gaz. vol. 207; p. 1097.
- Aitken, Allan J., Buffalo, N. Y., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Valve. No. 1,103,241; July 14; Gaz. vol. 204; p. 403.
- Aitken, Hugh W., Glasgow, Scotland. Roller for sugarcane mills. No. 1,114,426; Oct. 20; Gaz. vol. 207; p. 789.
- Aitken, John E. (See Menzies and Aitken.)
- Aitken, William, Liverpool, England. Telephone switching system. No. 1,110,027; Sept. 8; Gaz. vol. 206; p. 455.
- Ajax Manufacturing Company, The. (See Blakeslee, John R., assignor.)
- Ajax Rail Anchor Co. (See Elfborg, Henry G., assignor.)
- Ajax Universal Joint Company, The. (See Sponsel, Charles W., assignor.)
- Aked, Thomas O., St. Thomas, Ontario, Canada. Doffing mechanism for spinning-machines. No. 1,090,958; Mar. 24; Gaz. vol. 200; p. 906.
- Akerberg, John L., McKeesport, Pa. Quoit-game apparatus. No. 1,098,872; June 2; Gaz. vol. 203; p. 175.
- Akerlund, Gustaf, assignor to Standard Gas Power Company, Atlanta, Ga. Gas-generator. No. 1,115,268; Oct. 27; Gaz. vol. 207; p. 1138.
- Akers, Earl C., Port Huron, Mich. Current-motor. No. 1,121,447; Dec. 15; Gaz. vol. 209; p. 970.
- Akers, Harry G., Toronto, Ontario, Canada. Producing barium and strontium oxides. No. 1,113,178; Oct. 13; Gaz. vol. 207; p. 307.
- Akers, Maurice L., assignor to Pendleton Iron Works, Pendleton, Ore. Attachment for grain-drills. No. 1,104,602; July 21; Gaz. vol. 204; p. 915.
- Akes, Charles Y., assignor to M. J. Tubbs and M. J. Bailey, Custer, S. D. Ice-sawing machine. No. 1,091,997; Mar. 31; Gaz. vol. 200; p. 1303.
- Akimoff, Nicholas W., Philadelphia, Pa. Pressure-recording instrument. No. 1,098,931; June 2; Gaz. vol. 203; p. 196.
- Akimoff, Nicholas W., Philadelphia, Pa. Pressure-recording instrument. No. 1,098,932; June 2; Gaz. vol. 203; p. 196.
- Akin, Robert M., Ossining, N. Y. Abradant. No. 1,118,255; Nov. 24; Gaz. vol. 208; p. 1090.
- Akins, Edwin J., Moundsville, W. Va. Superheater. No. 1,093,519; Apr. 14; Gaz. vol. 201; p. 509.
- Akins, Edwin J., Moundsville, W. Va. Road-grading machine. No. 1,103,242; July 14; Gaz. vol. 204; p. 404.
- Akins, Edwin J., Moundsville, W. Va. Earth scoop and elevator. No. 1,104,031; July 21; Gaz. vol. 204; p. 716.
- Akron Cultivator Company, The. (See Gelink, William J., assignor.)
- Akron Cultivator Company, The. (See Reading, Peter, assignor.)
- Aktiebolaget Enkopings Verkstader. (See Johansson, Johan P., assignor.)
- Aktiebolaget Ljungströms Angturbín. (See Ljungström, Birger, assignor.)
- Aktiebolaget Ljungströms Angturbín. (See Ljungström, Fredrik, assignor.)
- Aktiebolaget Mjölkningsmaskin Omega. (See Lindström, Knut I., assignor.)
- Aktiebolaget Princeps. (See Lagerman and Landqvist, assignors.)
- Aktiebolaget Princeps. (See Lagerman and Lindström, assignors.)
- Aktiebolaget Separator. (See Runnquist, Claes G., assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Fjellman, Bengt W., assignor.)
- Aktiebolaget Wigelius Motorer. (See Wigelius, Sven, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Alchele, Albert, assignor.)
- Aktschourin, Jacob. Aktschourin-Tupik, Russia. Manufacturing resin-soap and resin. No. 1,103,336; July 14; Gaz. vol. 204; p. 435.
- Alaksin, Michael, Beaver Falls, Pa. Non-skid link. No. 1,110,524; Sept. 15; Gaz. vol. 206; p. 673.
- Alanchikoff, Leonid, Philadelphia, Pa. Padlock. No. 1,123,061; Dec. 29; Gaz. vol. 209; p. 1607.
- Alanko, Jacob, and T. Toivonen, Astoria, Ore. Measuring-machine. No. 1,103,856; July 14; Gaz. vol. 204; p. 615.
- Alarm Lock Company. (See Percival, Leonard, assignor.)
- Alball Manufacturing Company. (See Millard, William, assignor.)
- Albano, Peter, assignor to John A. Colby & Sons, Chicago, Ill. Table. No. 1,086,800; Feb. 10; Gaz. vol. 199; p. 473.
- Albee, George H., Neenah, Wis. Pump for wells. No. 1,108,856; Aug. 25; Gaz. vol. 205; p. 1282.
- Alber, Frank H., Driscoll, N. D. Draft-equalizer. No. 1,110,279; Sept. 8; Gaz. vol. 206; p. 546.
- Alberger, Alvan H., et al., executors. (See Alberger, Louis R.)
- Alberger, Blanche D., et al., executors. (See Alberger, Louis R.)
- Alberger Condenser Company. (See Alberger, Louis R., assignor.)
- Alberger Condenser Company. (See Wilson, William R., assignor.)
- Alberger, Louis R., deceased, Greenwich, Conn.; B. D. Alberger, S. C. Ross, New York, and A. H. Alberger, Hamburg, N. Y., executors, assignors to Alberger Condenser Company. Cooling-tower. No. 1,098,004; May 26; Gaz. vol. 202; p. 1100.
- Alberger, Louis R., deceased, Greenwich, Conn.; B. D. Alberger, S. C. Ross, New York, and A. H. Alberger, Hamburg, N. Y., executors, assignors to Alberger Condenser Company. Steam-condenser. No. 1,102,380; July 7; Gaz. vol. 204; p. 55.
- Alberger Pump and Condenser Company. (See Wilson, William R., assignor.)
- Albers, Louis H., Albany, N. Y. Automatic fluid-brake. No. 1,084,779; Jan. 20; Gaz. vol. 198; p. 565.
- Albers, William C., New York, N. Y., assignor of three-fourths to A. W. Hille, Denver, Colo. Hollow-screw elevator. No. 1,098,420; June 2; Gaz. vol. 203; p. 22.
- Albert, Charles H., assignor of one-half to E. A. Potter and J. C. Luds, Indianapolis, Ind. Felly-band and rim for wheels. No. 1,093,234; Apr. 14; Gaz. vol. 201; p. 416.
- Albert Chemische Fabrik, Dr. Kurt. (See Berend, Ludwig, assignor.)
- Albert and J. M. Anderson Manufacturing Company. (See Andersen, Johan M., assignor.)
- Albert, James T., Empire, Canal Zone. Steam-shovel. No. 1,118,724; Nov. 24; Gaz. vol. 208; p. 1257.
- Albert, Kurt, Wiesbaden, Germany. Open-hearth furnace. (Reissue.) No. 13,763; July 7; Gaz. vol. 204; p. 276.
- Albert, William, La Fayette, Ohio. Tool. No. 1,106,857; Aug. 11; Gaz. vol. 205; p. 489.
- Alberti, Nicholas, Chicago, Ill. Wood wind instrument. No. 1,103,462; July 14; Gaz. vol. 204; p. 476.
- Alberti, Nicholas, Chicago, Ill. Wood wind instrument. No. 1,103,555; July 14; Gaz. vol. 204; p. 508.
- Albertson, Anton, Minot, N. D. Flange-oiler. No. 1,122,228; Dec. 22; Gaz. vol. 209; p. 1277.
- Albertson, Frans O., Sioux City, Iowa. Valve-truing tool. No. 1,087,625; Feb. 17; Gaz. vol. 199; p. 808.
- Albertz, Mathias, Cologne, Germany. Elastic connecting device. No. 1,101,112; June 23; Gaz. vol. 203; p. 1077.
- Albes, Theodore. (See Walters and Hennkens, assignors.)
- Albin, Jeremiah W., Babylon, N. Y. Lock-washer. No. 1,103,337; July 14; Gaz. vol. 204; p. 435.
- Albisser, Henry L., and J. Simon, Rahway, N. J. Clothes-pounder. No. 1,107,009; Aug. 11; Gaz. vol. 205; p. 539.
- Albrecht, Charles F., assignor of two-fifths to B. D. Ford, Cleveland, Ohio. Safety locking device. No. 1,117,750; Nov. 17; Gaz. vol. 208; p. 878.
- Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical line-casting machine. No. 1,107,399; Aug. 18; Gaz. vol. 205; p. 726.
- Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,115,151; Oct. 27; Gaz. vol. 207; p. 1097.
- Albrecht, Guido J., and S. L. Long, assignors to Long Mailing Machine Company, Minneapolis, Minn. Automatic selecting and feeding device for cards, envelopes, or the like. No. 1,093,593; Apr. 21; Gaz. vol. 201; p. 575.
- Albrecht, Robert H. (See Prindiville, Thomas D., assignor.)
- Albree, Edward C., Swampscott, assignor to Albree Self Figuring System Company, Boston, Mass. Accounting system. No. 1,118,171; Nov. 24; Gaz. vol. 208; p. 1061.
- Albree Self Figuring System Company. (See Albree, Edward C., assignor.)

Alphabetical list of patentees—Continued.

- Albright, Noah M., Washington, D. C. Power transmission and lubricator therefor. No. 1,102,709; July 7; Gaz. vol. 204; p. 170.
- Albright, Oscar E., Gallatin, Tenn. Horse-detacher. No. 1,090,959; Mar. 24; Gaz. vol. 200; p. 906.
- Alcohol Heating & Lighting Company. (See Sharp, William E., assignor.)
- Alcorn, Francis W., Darlington, Pa. Seeder and planter. No. 1,112,962; Oct. 6; Gaz. vol. 207; p. 192.
- Alcorn, Robert E., Lake Village, Ark. Tool-handle connection. No. 1,105,599; Aug. 4; Gaz. vol. 205; p. 4.
- Alden, Charles A., Steelton, Pa. Wrench. No. 1,099,079; June 2; Gaz. vol. 203; p. 241.
- Alden, Charles A., Steelton, Pa. Railway-switch stand. No. 1,099,231; June 9; Gaz. vol. 203; p. 338.
- Alden, Charles A., Steelton, Pa. Railway-switch mechanism. No. 1,099,232; June 9; Gaz. vol. 203; p. 339.
- Alden, Flora S. (See Blake, William H., assignor.)
- Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Automobile radius-rod. No. 1,101,673; June 30; Gaz. vol. 203; p. 1321.
- Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Automobile running-gear. No. 1,101,674; June 30; Gaz. vol. 203; p. 1322.
- Alden, Herbert W., assignor to The Timken Detroit Axle Company, Detroit, Mich. Axle. No. 1,108,114; Aug. 25; Gaz. vol. 205; p. 1025.
- Alden Sampson Manufacturing Company. (See Breed, Preston H., assignor.)
- Alderman, William F., Lake Park, Ga. Trap. No. 1,108,657; Aug. 25; Gaz. vol. 205; p. 1213.
- Alderson, Edwin. (See Broadbent and Alderson.)
- Aldous, Nelson W., assignor of one-half to N. Snyder, Toronto, Ontario, Canada. Rug-withdrawer. No. 1,087,096; Feb. 17; Gaz. vol. 199; p. 623.
- Aldred, Alfred E. (See Aldred, Robert J. F. and A. E.)
- Aldred, Robert J. F. and A. E., Glencoe, Ontario, Canada, assignors to Jaburg Bros., New York, N. Y. Dough-handing machine. No. 1,087,564; Feb. 17; Gaz. vol. 199; p. 787.
- Aldrich, Josephine A. (See Archibald, Cora H., assignor.)
- Aldrich, Maxwell. (See Barrett and Aldrich.)
- Aldrich, William O., assignor to The Whitin Machine Works, Whitinsville, Mass. Metallic creel. No. 1,104,286; July 21; Gaz. vol. 204; p. 804.
- Aldrich, William O., assignor to The Whitin Machine Works, Whitinsville, Mass. Skewer-step mounting. No. 1,120,641; Dec. 8; Gaz. vol. 209; p. 642.
- Aldridge, Thomas J., and M. A. Reilly, Rochester, N. Y.; said Reilly assignor to said Aldridge. Shoe construction. No. 1,101,379; June 23; Gaz. vol. 203; p. 1168.
- Alefs, Henry, Milwaukee, Wis. Machine for working hides and leather. No. 1,107,640; Aug. 18; Gaz. vol. 205; p. 812.
- Aleman, Joaquin, assignor to Havana Commercial Company, Habana, Cuba. Delivery mechanism for labeling-machines. No. 1,108,786; Sept. 1; Gaz. vol. 206; p. 3.
- Alexander, Alexander M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Skiving-machine. No. 1,084,521; Jan. 13; Gaz. vol. 198; p. 446.
- Alexander, Alexander M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leather-skiving machine. No. 1,091,267; Mar. 24; Gaz. vol. 200; p. 1012.
- Alexander, Alexander M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Skiving-machine. No. 1,117,541; Nov. 17; Gaz. vol. 208; p. 802.
- Alexander, Alexander M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Perforating-machine. No. 1,120,881; Dec. 15; Gaz. vol. 209; p. 774.
- Alexander, Anst, and A. M. Steinberg, Paris, Tenn. Bottle-closure. No. 1,090,091; Mar. 10; Gaz. vol. 200; p. 533.
- Alexander, Carl, Barmen, Germany. Perspiration-band for head-gear. No. 1,084,596; Jan. 20; Gaz. vol. 198; p. 501.
- Alexander, Charles F., San Jose, Cal. Curved-track oiler and greaser. No. 1,099,631; June 9; Gaz. vol. 203; p. 476.
- Alexander, Charles H., Newburgh, N. Y. Friction-brake. No. 1,121,222; Dec. 15; Gaz. vol. 209; p. 893.
- Alexander, David, Hominy, Okla. Envelop. No. 1,100,703; June 23; Gaz. vol. 203; p. 935.
- Alexander, David W. (See Sydney, Sidney J., assignor.)
- Alexander, Egbert, Burlingame, Cal. Refillable cartridge-fuse. No. 1,101,897; June 30; Gaz. vol. 203; p. 1398.
- Alexander, Emelyne, St. Louis, Mo. Hair straightening and singeing comb. No. 1,096,984; May 19; Gaz. vol. 202; p. 697.
- Alexander, Eugene E., Wolfe City, Tex. Cotton-sack carriage. No. 1,112,963; Oct. 6; Gaz. vol. 207; p. 192.
- Alexander, George, assignor of one-half to P. W. Dietly, Erie, Pa. Nut-tapping machine. No. 1,094,383; Apr. 21; Gaz. vol. 201; p. 839.
- Alexander, George E., assignor, by mesne assignments, to A. Lowell Mfg. Co., Inc., New York, N. Y. Clothes-line holder. No. 1,086,118; Feb. 3; Gaz. vol. 199; p. 194.
- Alexander, George H., and W. G. Robinson, Birmingham, England. Fluid-operated rotary prime mover. No. 1,087,861; Feb. 17; Gaz. vol. 199; p. 889.
- Alexander, Henry D., Canton, Ohio. Rake. No. 1,096,342; May 12; Gaz. vol. 202; p. 436.
- Alexander, Hugh S., St. Paul, Minn. Chart-printing machine. No. 1,123,062; Dec. 29; Gaz. vol. 209; p. 1607.
- Alexander, Jesse, assignor of one-half to C. B. Nichols, New York, N. Y. Type-writing-machine ribbon-operating mechanism. No. 1,091,179; Mar. 24; Gaz. vol. 200; p. 983.
- Alexander, Jesse, assignor of one-half to C. B. Nichols, New York, and one-half to O. Ebeling, Brooklyn, N. Y. Type-writing-machine key and type-bar operating mechanism. No. 1,105,543; July 28; Gaz. vol. 204; p. 1291.
- Alexander, John. (See Roe, Jackson M., assignor.)
- Alexander, John, Hartford, Conn. Radiator. No. 1,109,384; Sept. 1; Gaz. vol. 206; p. 189.
- Alexander, John H. C., Oakland, Cal. Propeller. No. 1,108,875; Sept. 1; Gaz. vol. 206; p. 3.
- Alexander, John R., Altoona, Pa. Flexible metallic coupling. No. 1,111,283; Sept. 22; Gaz. vol. 206; p. 981.
- Alexander, Julian, Philadelphia, Pa. Stretching mechanism. No. 1,115,269; Oct. 27; Gaz. vol. 207; p. 1138.
- Alexander, Julius, Altona, Germany. Briquet. No. 1,117,125; Nov. 10; Gaz. vol. 208; p. 616.
- Alexander, McDonald, Birmingham, Ala. Hen's nest. No. 1,083,980; Jan. 13; Gaz. vol. 198; p. 268.
- Alexander Milburn Company, The. (See Jenkins, Alexander F., assignor.)
- Alexander, R. M., et al. (See Lockard, James S., assignor.)
- Alexander, Robert E., Endicott, assignor of forty-nine one-hundredths to F. R. Waldron, Binghamton, N. Y. Car-replacer. No. 1,114,711; Oct. 20; Gaz. vol. 207; p. 887.
- Alexander, Robert F., Kramer, Ind. Straining device for funnels. No. 1,104,603; July 21; Gaz. vol. 204; p. 915.
- Alexander, Solomon, Longbeach, assignor to Automatic Printer Company, Los Angeles county, Cal. Printing attachment for wrapping-paper reels. No. 1,102,627; July 7; Gaz. vol. 204; p. 143.
- Alexander, Valentine C. (See Culver, Albert V., assignor.)
- Alexander, William H., Pittsburgh, Pa. Railway cross-tie. No. 1,094,769; Apr. 28; Gaz. vol. 201; p. 1037.
- Alexander, William W., deceased, Denver, Colo.; E. T. Keim, administrator, assignor, by mesne assignments, to The Protective Signal Manufacturing Company. Circuit-closing device. No. 1,084,382; Jan. 13; Gaz. vol. 198; p. 402.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Air-inlet valve for carbureters. No. 1,083,789; Jan. 6; Gaz. vol. 198; p. 174.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric braking with alternating-current motors. No. 1,089,384; Mar. 3; Gaz. vol. 200; p. 240.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 1,091,613; Mar. 31; Gaz. vol. 200; p. 1170.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 1,091,614; Mar. 31; Gaz. vol. 200; p. 1171.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 1,092,420; Apr. 7; Gaz. vol. 201; p. 102.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Phase-balancer. No. 1,093,594; Apr. 21; Gaz. vol. 201; p. 575.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Alternating-current-motor control. No. 1,098,656; June 2; Gaz. vol. 203; p. 102.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Method of and apparatus for indicating the speed of electric motors. No. 1,100,280; June 16; Gaz. vol. 203; p. 737.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Telephone system. No. 1,102,628; July 7; Gaz. vol. 204; p. 143.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. High-frequency alternator. No. 1,110,028; Sept. 8; Gaz. vol. 206; p. 455.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. High-frequency alternator. No. 1,110,029; Sept. 8; Gaz. vol. 206; p. 456.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Bearing. No. 1,110,030; Sept. 8; Gaz. vol. 206; p. 456.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Induction-motor. No. 1,119,741; Dec. 1; Gaz. vol. 209; p. 288.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Neutralizing inductive disturbances. No. 1,120,992; Dec. 15; Gaz. vol. 209; p. 811.
- Alexović, Gregor, Guttenberg, N. J. Life-boat. No. 1,100,644; June 16; Gaz. vol. 203; p. 654.
- Alfano, Giuseppe, assignor of one-half to S. Lucchino, trustee, Pittston, Pa. Animal feed box or trough. No. 1,112,048; Sept. 29; Gaz. vol. 206; p. 1280.

Alphabetical list of patentees—Continued.

- Alfieres, Emanuel J., New York, N. Y., assignor of one-half to C. De Wyrall, Ridgefield Park, N. J. Vault-light. No. 1,090,113; Mar. 10; Gaz. vol. 200; p. 542.
- Alford, Harvey C., St. Louis, Mo. Smoke-consuming furnace. No. 1,095,489; May 5; Gaz. vol. 202; p. 109.
- Alford, Harvey C., St. Louis, Mo. Reducing ores. No. 1,097,156; May 19; Gaz. vol. 202; p. 758.
- Alford, L. B. (See Peck, Walter H., assignor.)
- Alfreds, Catherine C. B., Chicago, Ill. Corset. No. 1,096,089; May 12; Gaz. vol. 202; p. 348.
- Alge, Clarence J., J. E. Webb, and W. P. Henson, Chattanooga, Tenn. Car-fender. No. 1,094,959; Apr. 28; Gaz. vol. 201; p. 1103.
- Alger, Arthur H. (See Alger, Joseph, assignor.)
- Alger, H. B. (See Quinn, John T., assignor.)
- Alger, Harley C., Chicago Heights, Ill. Combination heater and meter. No. 1,086,433; Feb. 10; Gaz. vol. 199; p. 343.
- Alger, Harley C., Chicago Heights, Ill. Liquid-meter. No. 1,087,097; Feb. 17; Gaz. vol. 199; p. 623.
- Alger, Harley C., Chicago Heights, Ill. Fluid-meter. No. 1,089,101; Mar. 3; Gaz. vol. 200; p. 146.
- Alger, Harley C., Chicago Heights, Ill. Smoke-recording apparatus. No. 1,093,903; Apr. 21; Gaz. vol. 201; p. 681.
- Alger, Harley C., Chicago Heights, Ill. Fluid-flow meter. No. 1,096,883; May 19; Gaz. vol. 202; p. 661.
- Alger, Harley C., Chicago Heights, Ill. Dividing-box. No. 1,120,583; Dec. 8; Gaz. vol. 209; p. 621.
- Alger, Harley C., Chicago Heights, Ill. Smoke-recorder. No. 1,122,229; Dec. 22; Gaz. vol. 209; p. 1278.
- Alger, Joseph, assignor of one-half to himself and one-half to A. H. Alger, Middleboro, Mass. Box-covering machine. No. 1,086,434; Feb. 10; Gaz. vol. 199; p. 343.
- Aliano, Frank S., New York, N. Y. Trunk-lock. No. 1,083,720; Jan. 6; Gaz. vol. 198; p. 153.
- Alinder, Henry, Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Filter. No. 1,084,383; Jan. 13; Gaz. vol. 198; p. 402.
- Alinder, Henry, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Twyer-valve. No. 1,118,613; Nov. 24; Gaz. vol. 208; p. 1219.
- Alison, William, Deloraine, Manitoba, Canada. Attachment to binders. No. 1,099,274; June 9; Gaz. vol. 203; p. 352.
- Alkire, Homer R., and D. O. Mabin, Mount Sterling, Ohio. Collapsible housing device. No. 1,107,871; Aug. 18; Gaz. vol. 205; p. 893.
- Alkire, John L., Denver, Colo. Pencil-sharpener. No. 1,119,788; Dec. 8; Gaz. vol. 209; p. 341.
- Alkire, Leonard H. (See Willis, Harry S., assignor.)
- Allan, Albert, Edmonton, Alberta, Canada. Vehicle-shoe. No. 1,095,768; May 5; Gaz. vol. 202; p. 204.
- Allan, Charles D., Chicago, Ill. Combination kiln and heater. No. 1,099,632; June 9; Gaz. vol. 203; p. 476.
- Allan, Charles D., Chicago, Ill. Slide-rule. No. 1,110,855; Sept. 15; Gaz. vol. 206; p. 789.
- Allan, James, Glasgow, Scotland. Self-feeding paint-brush. No. 1,085,234; Jan. 27; Gaz. vol. 198; p. 756.
- Allan, James E., Detroit, Mich. Roller-skate. No. 1,120,008; Dec. 8; Gaz. vol. 209; p. 417.
- Allan, William N., San Antonio, Tex. Automobile-head-light. No. 1,103,857; July 14; Gaz. vol. 204; p. 615.
- Allard, Andrew J., assignor of one-third to T. F. Green and one-third to D. R. Creecy, Jr., Richmond, Va. Air-brake-control-valve mechanism. No. 1,096,777; May 12; Gaz. vol. 202; p. 579.
- Allard, Andrew J., assignor of one-third to T. F. Green and one-third to D. R. Creecy, Jr., Richmond, Va. Electric train-control system. No. 1,100,644; June 16; Gaz. vol. 203; p. 859.
- Allard, Charles E., Haverhill, Mass. Heel-making machine. No. 1,110,175; Sept. 8; Gaz. vol. 206; p. 510.
- Allard, Harry W., Newark, N. J. Railing-support. No. 1,101,610; June 30; Gaz. vol. 203; p. 1300.
- Allard, Hector, Laeken-Brussels, Belgium. Automatic fire-extinguisher. No. 1,108,658; Aug. 25; Gaz. vol. 205; p. 1214.
- Allbee, John B., Plover, Iowa. Corn-planter attachment. No. 1,089,893; Mar. 10; Gaz. vol. 200; p. 466.
- Allderice, Taylor, assignor to The National Tube Company, Pittsburgh, Pa. Rolling ingots. No. 1,121,154; Dec. 15; Gaz. vol. 209; p. 871.
- Allen, Andrews, Chicago, Ill. Hoisting and dumping apparatus. No. 1,092,889; Apr. 14; Gaz. vol. 201; p. 297.
- Allen-Bradley Company. (See Bradley, Lynde, assignor.)
- Allen-Bradley Company. (See Bradley, Lynde and H. L., assignors.)
- Allen, Charles, El Paso, Tex. Slime-separator. No. 1,118,614; Nov. 24; Gaz. vol. 208; p. 1219.
- Allen, Charles A., Gallon, Ohio. Railway-tie. No. 1,092,198; Apr. 7; Gaz. vol. 201; p. 26.
- Allen, Charles A., Linwood, Mass., assignor to The Whitin Machine Works, Whitinsville, Mass. Skewer-step mounting. No. 1,108,420; Aug. 25; Gaz. vol. 205; p. 1130.
- Allen, Charles H., Oakland, N. J. Combination adjustable alligator-wrench and tire-tool. No. 1,115,763; Nov. 3; Gaz. vol. 208; p. 100.
- Allen, Charles J., San Jose, Cal. Oil-heating device. No. 1,103,121; July 14; Gaz. vol. 204; p. 360.
- Allen, Charles L., et al., administrators. (See Allen and Luke.)
- Allen, Charles L., and B. F. Luke, deceased; E. J. Luke, E. H. Sparks, and C. L. Allen, administrators, Salt Lake City, Utah; said E. H. Sparks and C. L. Allen surviving administrators of B. F. Luke, deceased. Potato hillier and weeder. No. 1,099,080; June 2; Gaz. vol. 203; p. 241.
- Allen, Charles P., Hotchkiss, Colo. Auxiliary drive for automobiles. No. 1,117,621; Nov. 17; Gaz. vol. 208; p. 830.
- Allen, Charles W., Breedsville, Mich. Sawing-machine. No. 1,085,656; Feb. 3; Gaz. vol. 199; p. 27.
- Allen, Claude J., Early, Iowa. Roof-window. No. 1,112,401; Sept. 29; Gaz. vol. 206; p. 1404.
- Allen, Clile C., assignor to Geo. S. Johnston Company, Chicago, Ill. Instrument for testing the refraction of the eyes. No. 1,116,529; Nov. 10; Gaz. vol. 208; p. 405.
- Allen, David B., Newport, R. I. Adjustable head and back rest for beds. No. 1,098,209; May 26; Gaz. vol. 202; p. 1169.
- Allen, Edgar W., San Jose, Cal. Coin-controlled locking mechanism. No. 1,116,198; Nov. 3; Gaz. vol. 208; p. 250.
- Allen, Edward A., Rumford Falls, Me. Method and means for electrolyzing saline solutions. No. 1,109,311; Sept. 1; Gaz. vol. 206; p. 161.
- Allen, Edward B., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Seam for sewed articles. No. 1,115,649; Nov. 3; Gaz. vol. 208; p. 62.
- Allen, Edward E., assignor to The Allen Machine Company, Erie, Pa. Forcing-machine. No. 1,098,873; June 2; Gaz. vol. 203; p. 175.
- Allen, Ernest A., and F. A. Speenburgh, Denver, Colo. Insect-extermimator. No. 1,108,309; Aug. 25; Gaz. vol. 205; p. 1094.
- Allen, Ernest G., assignor of one-fourth to P. H. King and one-fourth to E. Kohl, Aberdeen, Wash. Weather-strip. No. 1,104,399; July 21; Gaz. vol. 204; p. 842.
- Allen, Ernest L., Beoley, near Redditch, England. Needle-package. No. 1,101,380; June 23; Gaz. vol. 203; p. 1168.
- Allen, Eugene S., New York, N. Y. Gas-range burner. No. 1,087,344; Feb. 17; Gaz. vol. 199; p. 710.
- Allen, Eugene S., New York, N. Y. Valve for gas-burners. No. 1,091,108; Mar. 24; Gaz. vol. 200; p. 957.
- Allen, Everett P., deceased; M. A. Allen, executrix, assignor to Dole Valve Company, Chicago, Ill. Air-valve. No. 1,110,095; Sept. 8; Gaz. vol. 206; p. 480.
- Allen, Everett P., deceased; M. A. Allen, executrix, assignor to Dole Valve Company, Chicago, Ill. Air-valve for heating systems. No. 1,110,096; Sept. 8; Gaz. vol. 206; p. 480.
- Allen, Frank H., Donaldsonville, La. Gasolene traction-engine. No. 1,123,158; Dec. 29; Gaz. vol. 209; p. 1642.
- Allen, Fred R., Providence, R. I., assignor, by mesne assignments, to National Envelope Sealing and Stamping Manufacturing Company. Stamp-applying and envelop-sealing machine. No. 1,110,097; Sept. 8; Gaz. vol. 206; p. 481.
- Allen, Fred R., assignor to Allen Wrench & Tool Company, Providence, R. I. Wrench. No. 1,110,980; Sept. 15; Gaz. vol. 206; p. 832.
- Allen, Frederick C. (See Hanson and Allen.)
- Allen, George, Kansas, Ill. Operating-table for swine. No. 1,084,874; Jan. 20; Gaz. vol. 198; p. 597.
- Allen, George, Toronto, Ontario, Canada. Scaffold. No. 1,119,742; Dec. 1; Gaz. vol. 209; p. 288.
- Allen, George L., Wilmington, N. C. Side bearing. No. 1,084,522; Jan. 13; Gaz. vol. 198; p. 446.
- Allen, George L., Wilmington, N. C. Car-ladder. No. 1,109,100; Sept. 1; Gaz. vol. 206; p. 86.
- Allen, George W., Selma, Cal. Peach-stoning machine. No. 1,091,723; Mar. 31; Gaz. vol. 200; p. 1209.
- Allen, George W., Hyde Park, assignor to B. F. Sturtevant Company, Boston, Mass. Journal-bearing. No. 1,115,369; Oct. 27; Gaz. vol. 207; p. 1171.
- Allen, Harding, Barre, Mass. Belt driving mechanism. No. 1,121,599; Dec. 22; Gaz. vol. 209; p. 1059.
- Allen, Harold K., Belchertown, Mass. Spring-wheel. No. 1,121,600; Dec. 22; Gaz. vol. 209; p. 1059.
- Allen, Harry E. (See Maupin, Allen, and Baldwin.)
- Allen, Harry L., Cleveland, Ohio. Flexible coupling. No. 1,114,326; Oct. 20; Gaz. vol. 207; p. 753.
- Allen, Howard R. (See Buffinton and Allen.)
- Allen, Isaac A., Jr., and C. W. Sponsel, assignors to The Allen-Sponsel Company, Hartford, Conn. Cord-fastener. No. 1,107,010; Aug. 11; Gaz. vol. 205; p. 540.
- Allen, John H., et al. (See Haynes, George P., assignor.)
- Allen, John H., et al. (See Powers, Robert E., assignor.)
- Allen, John H., Verona, N. J. Insulated rail-joint. No. 1,110,098; Sept. 8; Gaz. vol. 206; p. 481.
- Allen, John L., Manville, R. I. Lubricator. No. 1,117,542; Nov. 17; Gaz. vol. 208; p. 803.
- Allen, John M., Anaconda, Mont. Separator. No. 1,107,472; Aug. 18; Gaz. vol. 205; p. 753.
- Allen, John M., Anaconda, Mont. Mail-bag receiver. No. 1,113,939; Oct. 20; Gaz. vol. 207; p. 615.
- Allen, John S., Columbus, Ga. Package-tie. No. 1,093,096; Apr. 14; Gaz. vol. 201; p. 369.

Alphabetical list of patentees—Continued.

- Allen, Judge S., New York, N. Y. Automatic train-stop. No. 1,091,268; Mar. 24; Gaz. vol. 200; p. 1013.
- Allen, Judge S., New York, N. Y. Automatic train track-trip. No. 1,102,120; June 30; Gaz. vol. 203; p. 1479.
- Allen Machine Company, The. (See Allen, Edward E., assignor.)
- Allen Manufacturing Company, The. (See McIntyre, William J., assignor.)
- Allen, Mary A., executrix. (See Allen, Everett P.)
- Allen, Oglesby, Jr., Chicago, Ill. Rail-joint. No. 1,092,624; Apr. 7; Gaz. vol. 201; p. 173.
- Allen, Oliver C., Center township, Hancock county, Ind. Suspension-fencing. No. 1,109,312; Sept. 1; Gaz. vol. 206; p. 161.
- Allen, Orren, Denver, Colo. Flexible suspension-wheel for automobiles. No. 1,087,626; Feb. 17; Gaz. vol. 199; p. 809.
- Allen, Philip, Providence, R. I. Union. No. 1,110,280; Sept. 8; Gaz. vol. 206; p. 547.
- Allen, Roy M., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Telephone-support. No. 1,088,669; Feb. 24; Gaz. vol. 199; p. 1209.
- Allen, Samuel G., trustee. (See Ball, Herman F., assignor.)
- Allen, Samuel R., and J. W. Baughman, Dewey, Okla.; said Baughman assignor to said Allen. Fountain-brush. No. 1,115,370; Oct. 27; Gaz. vol. 207; p. 1171.
- Allen, Sereno D., San Diego, Cal. Automobile driving-gear. No. 1,091,998; Mar. 31; Gaz. vol. 200; p. 1304.
- Allen, Sherman T., Los Angeles, and G. A. Cleaveland, Jr., Glendale, Cal. Valve mechanism for internal-combustion engines. No. 1,104,466; July 21; Gaz. vol. 204; p. 866.
- Allen-Sponsel Company, The. (See Allen and Sponsel, assignors.)
- Allen-Sponsel Company, The. (See Sponsel, Charles W., assignor.)
- Allen, Thaddeus D., Youngstown, Ohio. Railway-tie. No. 1,086,262; Feb. 3; Gaz. vol. 199; p. 240.
- Allen, Thaddeus D., Youngstown, Ohio. Automobile-spring. No. 1,108,310; Aug. 25; Gaz. vol. 205; p. 1094.
- Allen, Thomas B., assignor to The Carborundum Company, Niagara Falls, N. Y. Producing abrasive compounds. No. 1,087,705; Feb. 17; Gaz. vol. 199; p. 838.
- Allen, Thomas B., assignor to The Carborundum Company, Niagara Falls, N. Y. Making nitrogenous compounds. No. 1,093,819; Apr. 21; Gaz. vol. 201; p. 653.
- Allen, Thomas B., assignor to The Carborundum Company, Niagara Falls, N. Y. Bonding fused crystalline alumina. No. 1,107,011; Aug. 11; Gaz. vol. 205; p. 540.
- Allen, Thomas B., assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory article and manufacturing the same. No. 1,107,012; Aug. 11; Gaz. vol. 205; p. 540.
- Allen, Thomas B., and L. B. Coulter, assignors to The Carborundum Company, Niagara Falls, N. Y. Manufacture of electrical conductors. No. 1,114,665; Oct. 20; Gaz. vol. 207; p. 870.
- Allen, Thomas B., and L. B. Coulter, assignors to The Carborundum Company, Niagara Falls, N. Y. Electrical conductor. No. 1,121,601; Dec. 22; Gaz. vol. 209; p. 1059.
- Allen, Thomas S., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Brush-holder for dynamo-electric machines. No. 1,084,384; Jan. 13; Gaz. vol. 198; p. 403.
- Allen, Thomas S., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Dynamo-electric machine. No. 1,085,316; Jan. 27; Gaz. vol. 198; p. 785.
- Allen, Walter, Washington, D. C. Drawing-support. No. 1,091,999; Mar. 31; Gaz. vol. 200; p. 1304.
- Allen, William H., Detroit, Mich. Storing hides. No. 1,098,005; May 26; Gaz. vol. 202; p. 1100.
- Allen, William H., Detroit, Mich. Preserving food substances. No. 1,098,006; May 26; Gaz. vol. 202; p. 1100.
- Allen, William H., Cleveland, Ohio. Desiccating organic matter. No. 1,118,884; Nov. 24; Gaz. vol. 208; p. 1309.
- Allen, William M. (See Davis, James B., assignor.)
- Allen, William P., Chicago, Ill. Power-transmission and speed-controlling device. No. 1,112,586; Oct. 6; Gaz. vol. 207; p. 63.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Feeding device. No. 1,085,781; Feb. 3; Gaz. vol. 199; p. 73.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Feeding mechanism. No. 1,086,119; Feb. 3; Gaz. vol. 199; p. 194.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Feeding-roller. No. 1,086,120; Feb. 3; Gaz. vol. 199; p. 194.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Address-plate. No. 1,088,670; Feb. 24; Gaz. vol. 199; p. 1209.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Ribbon-feeding mechanism. No. 1,114,327; Oct. 20; Gaz. vol. 207; p. 753.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Readily-changeable type-form. No. 1,115,371; Oct. 27; Gaz. vol. 207; p. 1172.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Printing mechanism. No. 1,117,751; Nov. 17; Gaz. vol. 208; p. 878.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Address-plate. No. 1,122,839; Dec. 29; Gaz. vol. 209; p. 1529.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Holder for printing devices. No. 1,122,840; Dec. 29; Gaz. vol. 209; p. 1530.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Making printing-slugs. No. 1,122,841; Dec. 29; Gaz. vol. 209; p. 1530.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Printing-slug. No. 1,122,842; Dec. 29; Gaz. vol. 209; p. 1530.
- Allen, William W., Cornell, Ill. Pencil-eraser. No. 1,121,318; Dec. 15; Gaz. vol. 209; p. 926.
- Allen, Willis E., San Diego, Cal. Syringe. No. 1,123,159; Dec. 29; Gaz. vol. 209; p. 1643.
- Allen Wrench & Tool Company. (See Allen, Fred R., assignor.)
- Allendorf, Augustus, Harvard, Ill. Lightning-arrester. No. 1,092,510; Apr. 7; Gaz. vol. 201; p. 134.
- Allers, Charles J., East Orange, N. J. Container. No. 1,111,552; Sept. 22; Gaz. vol. 206; p. 1072.
- Allers, Henry, Chicago, Ill. Clothes-pounder. No. 1,100,339; June 16; Gaz. vol. 203; p. 757.
- Alley, Frederick L., Sydney, New South Wales, Australia, assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-sewing machine. No. 1,122,353; Dec. 29; Gaz. vol. 209; p. 1359.
- Alley, Stephen E., Glasgow, Scotland, and R. McGregor, London, England. Crank-case. No. 1,098,341; May 26; Gaz. vol. 202; p. 1216.
- Allgemeine Handelsgesellschaft m. b. H. Bock & Co. (See Paciorekiewicz, Wladislaw, assignor.)
- Allgrunn, Carl G. (See Pappano and Allgrunn.)
- Allington, William E., Saginaw, Mich. Centrifugal fan. No. 1,093,371; Apr. 14; Gaz. vol. 201; p. 462.
- Allino Switch Box Manufacturing Company. (See Maison, Cyril C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Alinder, Henry, assignor.)
- Allis-Chalmers Manufacturing Company. (See Allen, Thomas S., assignor.)
- Allis-Chalmers Manufacturing Company. (See Allison, Daniel K., assignor.)
- Allis-Chalmers Manufacturing Company. (See Behrend, Bernard A., assignor.)
- Allis-Chalmers Manufacturing Company. (See Bogen, Louis E., assignor.)
- Allis-Chalmers Manufacturing Company. (See Brown, Arthur J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Brown and Williamson, assignors.)
- Allis-Chalmers Manufacturing Company. (See Cachin, Jean F., assignor.)
- Allis-Chalmers Manufacturing Company. (See Capen, Thomas W., assignor.)
- Allis-Chalmers Manufacturing Company. (See Cheney, Herbert W., assignor.)
- Allis-Chalmers Manufacturing Company. (See Engleson, John E., assignor.)
- Allis-Chalmers Manufacturing Company. (See Fischer, Charles A., assignor.)
- Allis-Chalmers Manufacturing Company. (See Gray, Alexander M., assignor.)
- Allis-Chalmers Manufacturing Company. (See Haskins, Bradley, assignor.)
- Allis-Chalmers Manufacturing Company. (See Hirt, Jules H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Holthoff, Henry C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Knight, Earle R., assignor.)
- Allis-Chalmers Manufacturing Company. (See Lieber, William H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Loguin, Alexander J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Mattman, Emil, assignor.)
- Allis-Chalmers Manufacturing Company. (See Menningen, Joseph F., assignor.)
- Allis-Chalmers Manufacturing Company. (See Mortensen, Sören H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Nichols, Louis C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Osmer, John E., assignor.)
- Allis-Chalmers Manufacturing Company. (See Patitz, Johann F. M., assignor.)
- Allis-Chalmers Manufacturing Company. (See Pfau, Arnold, assignor.)
- Allis-Chalmers Manufacturing Company. (See Reid, James C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Rotter, Max, assignor.)
- Allis-Chalmers Manufacturing Company. (See Spaulding, Charles F., assignor.)

Alphabetical list of patentees—Continued.

- Allis-Chalmers Manufacturing Company. (See Sprado, Carl G., assignor.)
- Allis-Chalmers Manufacturing Company. (See Steen, Halfdan A., assignor.)
- Allis-Chalmers Manufacturing Company. (See Stull, Emmett W., assignor.)
- Allis-Chalmers Manufacturing Company. (See Tomlinson, Royal D., assignor.)
- Allis-Chalmers Manufacturing Company. (See Trout, William H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Webster, Frederick L., assignor.)
- Allis-Chalmers Manufacturing Company. (See Weir, Harry B., assignor.)
- Allis-Chalmers Manufacturing Company. (See Wilkinson, Nathan, assignor.)
- Allis-Chalmers Manufacturing Company. (See Williamson, Robert B., assignor.)
- Allison, Andrew J., Hartshorne, Okla. Device for preventing fish and drift from going down waterways. No. 1,109,385; Sept. 1; Gaz. vol. 206; p. 189.
- Allison, Charles H., Glendale, Cal. Explosive-cap protection. No. 1,094,692; Apr. 28; Gaz. vol. 201; p. 1010.
- Allison, Daniel K., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Mechanical movement. No. 1,116,780; Nov. 10; Gaz. vol. 208; p. 497.
- Allison, Daniel K., Cincinnati, Ohio, and B. D. Pinkney, Newport, Ky., assignors to The J. H. Day Company, Cincinnati, Ohio. Cracker-cutting machine. No. 1,112,184; Sept. 29; Gaz. vol. 206; p. 1327.
- Allison, Harry S., assignor to W. D. Allison, Indianapolis, Ind. Adjustable chair. No. 1,111,685; Sept. 22; Gaz. vol. 206; p. 1120.
- Allison, James M., Indianapolis, Ind. Beverage extract. No. 1,093,962; Apr. 21; Gaz. vol. 201; p. 700.
- Allison, John. (See Pulliam and Allison.)
- Allison, John, Dravosburg, assignor, by mesne assignments, to Pittsburgh Equipment Company, Pittsburgh, Pa. Car-underframe. No. 1,112,587; Oct. 6; Gaz. vol. 207; p. 64.
- Allison, Llewellyn V., *et al.* (See Harner, Joseph P., assignor.)
- Allison, W. D. (See Allison, Harry S., assignor.)
- Allith Manufacturing Co. (See Anderson, John W., assignor.)
- Allith-Prouty Company. (See Willard, Donald E., assignor.)
- Allmand, John T., assignor to Fisher Closed Body Co., Detroit, Mich. Pivot. No. 1,104,238; July 21; Gaz. vol. 204; p. 787.
- Allmand, John T., assignor to Fisher Closed Body Company, Detroit, Mich. Window for vehicles. No. 1,107,189; Aug. 11; Gaz. vol. 205; p. 603.
- Alloway, William E. (See Gettz and Foster, assignors.)
- Allsop, Thomas. (See Sibson and Allsop.)
- Allsop, Thomas, and W. W. Sibson, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Machine for dyeing fibrous materials. No. 1,089,102; Mar. 3; Gaz. vol. 200; p. 147.
- Allsop, Thomas, W. W. Sibson, Philadelphia, Pa., R. B. Lowe, and R. E. Thomson, Fitchburg, Mass., assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Yarn-drying machine. No. 1,085,396; Jan. 27; Gaz. vol. 198; p. 813.
- Allsteadt, John E., Hastings, Nebr. Fruit-picker. No. 1,089,521; Mar. 10; Gaz. vol. 200; p. 339.
- Allum, Arthur E., New York, N. Y. Continuous waistband for trousers. No. 1,123,160; Dec. 29; Gaz. vol. 209; p. 1643.
- Allum, James C. E., and J. F. Perkins, Chicago, Ill., assignors of one-third to C. B. Yoder, St. Louis, Mo. Reversible type-writer key. No. 1,093,372; Apr. 14; Gaz. vol. 201; p. 464.
- Allwine, Philip D. (See Wenrich, Christopher E., assignor.)
- Allyn, Louis E., Pekin, and G. T. Turner, deceased, (F. M. Turner, Coal City, Ill., administratrix,) assignors to American Car and Foundry Company, St. Louis, Mo. Tank-car. No. 1,097,961; May 26; Gaz. vol. 202; p. 1085.
- Allyn, Walter S., assignor of one-half to T. G. Puckett, Thompsonville, Ill. Resilient wheel. No. 1,105,600; Aug. 4; Gaz. vol. 205; p. 4.
- Alma Manufacturing Company. (See Ruggles, Frank W., assignor.)
- Alma Manufacturing Company of Baltimore City. (See Greenebaum, Abraham H., assignor.)
- Alma Manufacturing Company of Baltimore City. (See Hartmann, Emil, assignor.)
- Almega Ventilation. (See Kurz, August W., assignor.)
- Almen, Gustaf, Norwich, Conn. Game-table. No. 1,093,701; June 2; Gaz. vol. 203; p. 118.
- Almirall, Juan A., New York, N. Y. Water-heater. No. 1,123,201; Dec. 29; Gaz. vol. 209; p. 1658.
- Almirall, Raymond F., and R. A. McCulloch, New York, N. Y. Food-conveying system. No. 1,095,692; May 5; Gaz. vol. 202; p. 177.
- Almirall, Raymond F., and C. G. Armstrong, New York, N. Y. Furnace. No. 1,120,993; Dec. 15; Gaz. vol. 209; p. 811.
- Almquist, Leopold, Ridgewood, N. J., assignor, by mesne assignments, to American Car and Foundry Company, New York, N. Y. Flush car-door. No. 1,109,607; Sept. 1; Gaz. vol. 206; p. 262.
- Almy, Fred A., Seattle, Wash. Rotary engine. No. 1,088,391; Feb. 24; Gaz. vol. 199; p. 1118.
- Alpaugh, Clifford J., assignor to The Trenton Electric and Conduit Company, Trenton, N. J. Conduit. No. 1,094,109; Apr. 21; Gaz. vol. 201; p. 750.
- Alpern, Maxwell, assignor to American Engineering Company, Philadelphia, Pa. Twyer for stokers. No. 1,123,063; Dec. 29; Gaz. vol. 209; p. 1608.
- Alquist, Karl, Schenectady, N. Y. Elastic-fluid turbine. No. 1,118,885; Nov. 24; Gaz. vol. 208; p. 1310.
- Alshuler, Clarence S., *et al.*, executors. (See Alshuler, Moses.)
- Alshuler, Damon T., *et al.*, executors. (See Alshuler, Moses.)
- Alshuler, Moses, deceased, Waukegan, Ill.; D. T. and C. S. Alshuler and C. A. Rubovits, executors. Lady's house-dress. No. 1,102,973; July 7; Gaz. vol. 204; p. 260.
- Alsop, Daniel G., Jerome, Pa. Safety-gate fastener for elevator-shafts. No. 1,084,523; Jan. 13; Gaz. vol. 198; p. 447.
- Alsruhe, Urban S., Towson, Md. Playing-cards. No. 1,104,724; July 21; Gaz. vol. 204; p. 956.
- Alt, Karl, Strassburg, Germany. Cooking-stove. No. 1,088,251; Feb. 24; Gaz. vol. 199; p. 1071.
- Alta, John, Grand Rapids, Mich. Dovetail mortise and tenon. No. 1,093,023; Apr. 14; Gaz. vol. 201; p. 342.
- Altamus, Jacob K. (See Brooks, John, assignor.)
- Altenberg, George P., assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Casing for bottles and the like. No. 1,106,609; Aug. 11; Gaz. vol. 205; p. 403.
- Altenbrand, Albert L., New York, N. Y. Broiler. No. 1,101,774; June 30; Gaz. vol. 203; p. 1355.
- Altenfeld, Paul, New York, N. Y. Making a ferment. No. 1,105,601; Aug. 4; Gaz. vol. 205; p. 4.
- Altenkirch, Waldemar W. E., Fredersdorf, near Berlin, and G. R. Gehlhoff, Danzig-Langfuhr, Germany. Thermo-electric heating and cooling body. No. 1,120,781; Dec. 15; Gaz. vol. 209; p. 738.
- Alter, Julius M., New York, N. Y. Disk-record holder. No. 1,121,446; Dec. 15; Gaz. vol. 209; p. 969.
- Altgelt, Rudolph J., assignor to Oliver Chilled Plow Works, South Bend, Ind. Attachment for planters. No. 1,084,307; Jan. 13; Gaz. vol. 198; p. 379.
- Altgelt, Rudolph J., and C. F. Carlson, assignors to Oliver Chilled Plow Works, South Bend, Ind. Plow. No. 1,091,788; Mar. 31; Gaz. vol. 200; p. 1233.
- Althouse, Albert C., Dublin, Pa. Broom-bridle. No. 1,111,553; Sept. 22; Gaz. vol. 206; p. 1072.
- Altic, Benjamin L., Roanoke, Va. Glass-cutter. No. 1,109,274; Sept. 1; Gaz. vol. 206; p. 148.
- Altman, Bernard, and B. A. Kosman, Laurium, Mich. Clothes-pin. No. 1,094,186; Apr. 21; Gaz. vol. 201; p. 776.
- Altman, Elmer F., Minneapolis, Minn. Sprocket-chain housing. No. 1,113,148; Oct. 6; Gaz. vol. 207; p. 254.
- Altman, Emil, Brooklyn, N. Y. Garment. No. 1,114,955; Oct. 27; Gaz. vol. 207; p. 1027.
- Altman, George G., New York, N. Y. Window-sash fastener. No. 1,095,368; May 5; Gaz. vol. 202; p. 67.
- Altman, Frank C., assignor to The English & Mersick Co., New Haven, Conn. Vehicle door latch and lock. No. 1,088,392; Feb. 24; Gaz. vol. 199; p. 1119.
- Altmeyer, Frank. (See Opelz, John, assignor.)
- Altrichter, Johann, Judenburg, Austria-Hungary, assignor, by mesne assignments, to Perfect Window Regulator Company. Means for opening and closing carriage-windows. (Reissue.) No. 13,780; July 28; Gaz. vol. 204; p. 1310.
- Aluminium Industrie Aktiengesellschaft. (See Milde, Emil, assignor.)
- Aluminum Foundry Company, The. (See Nold, Solomon E., assignor.)
- Alvey-Ferguson Company, The. (See Bernheim, Morris U., assignor.)
- Alvey, John A., assignor, by mesne assignments, to Alvey Manufacturing Company, St. Louis, Mo. Roller-conveyer. No. 1,095,445; May 5; Gaz. vol. 202; p. 93.
- Alvey Manufacturing Company. (See Alvey, John A., assignor.)
- Alvord, Elisha H., Seattle, Wash. Press. No. 1,097,157; May 19; Gaz. vol. 202; p. 758.
- Alvord, Elliot L., assignor to The Johns-Pratt Company, Hartford, Conn. Trolley-wire-feed-tap insulator. No. 1,093,235; Apr. 14; Gaz. vol. 201; p. 416.
- Alwine, Otis E., Elkhart, Ind. Gate. No. 1,117,622; Nov. 17; Gaz. vol. 208; p. 830.
- Amadeo, Paul, Shenandoah, Pa. Mail-box. No. 1,094,408; Apr. 21; Gaz. vol. 201; p. 848.
- Amadeo, Paul, Shenandoah, Pa. Registering attachment for barbers' chairs. No. 1,101,981; June 30; Gaz. vol. 203; p. 1428.
- Amaranth Machinery and Supply Works. (See Wittemann, Jacob F. and R. W., assignors.)
- Ambash, Clement, and N. Morgenstern, Brooklyn, N. Y. Toy figure. No. 1,110,100; Sept. 8; Gaz. vol. 206; p. 482.

Alphabetical list of patentees—Continued.

- Amberg, Harry I., and M. Dunsky, assignors to Automatic Spool Cabinet Inc., Rochester, N. Y. Spool-cabinet. No. 1,117,148; Nov. 17; Gaz. vol. 208; p. 663.
- Amberg, Walter E., assignor of one-half to C. M. Garrett, Chicago, Ill. Staple for fences and other purposes. No. 1,104,094; July 21; Gaz. vol. 204; p. 739.
- Amberoid Chemical Products Company. (See Redman, Lawrence V., assignor.)
- Ambler, George B., assignor to F. A. Whitney Carriage Co., Leominster, Mass. Folding vehicle. No. 1,095,975; May 5; Gaz. vol. 202; p. 272.
- Ambler, George B., assignor to F. A. Whitney Carriage Co., Leominster, Mass. Folding vehicle. No. 1,099,139; June 2; Gaz. vol. 203; p. 261.
- Ambler, George B., assignor to F. A. Whitney Carriage Co., Leominster, Mass. Vehicle. No. 1,113,280; Oct. 13; Gaz. vol. 207; p. 345.
- Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Child's carriage. No. 1,117,149; Nov. 17; Gaz. vol. 208; p. 663.
- Amborn, George, Chapinville, Conn. Lathe-tool. No. 1,112,185; Sept. 29; Gaz. vol. 206; p. 1327.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Tool-holder. No. 1,090,810; Mar. 17; Gaz. vol. 200; p. 822.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-vise. No. 1,103,243; July 14; Gaz. vol. 204; p. 404.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-vise. No. 1,103,896; July 14; Gaz. vol. 204; p. 629.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Tool-holder. No. 1,110,281; Sept. 8; Gaz. vol. 206; p. 547.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Tool-holder. No. 1,120,782; Dec. 15; Gaz. vol. 209; p. 738.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Tool-holder. No. 1,120,783; Dec. 15; Gaz. vol. 209; p. 739.
- Ambrose, Lycurgus E., Mena, Ark. Oil-burner. No. 1,113,281; Oct. 13; Gaz. vol. 207; p. 346.
- Ambruster, Cornelius, Philadelphia, Pa. Ink-pad box. No. 1,085,317; Jan. 27; Gaz. vol. 198; p. 786.
- Ambruster, Cornelius, and H. M. Beck, Chicago, Ill. Booster regulation. No. 1,084,595; Jan. 20; Gaz. vol. 198; p. 501.
- Ambursen Company. (See Ambursen, Nils F., assignor.)
- Ambursen Company. (See Church, William L., assignor.)
- Ambursen, Nils F., Brookline, Mass. Clothes-pounder. No. 1,089,808; Mar. 10; Gaz. vol. 200; p. 436.
- Ambursen, Nils F., Brookline, Mass. Clothes-pounder. No. 1,089,809; Mar. 10; Gaz. vol. 200; p. 436.
- Ambursen, Nils F., Brookline, assignor to Ambursen Company, Boston, Mass. Pole. No. 1,121,319; Dec. 15; Gaz. vol. 209; p. 926.
- Amedick, George A., Darien, N. Y. Separator. No. 1,101,775; June 30; Gaz. vol. 203; p. 1355.
- American Adding Machine Corporation. (See Babin, Louis, assignor.)
- American Agricultural Chemical Company, The. (See Wayte, Walter J., assignor.)
- American Arch Company. (See Anthony, James T., assignor.)
- American Arch Company. (See Gaines, Frederick F., assignor.)
- American Arch Company. (See Moore, Charles B., assignor.)
- American Arch Company. (See Willett, Alfred H., assignor.)
- American Artograph Company. (See Law, Duff C., assignor.)
- American Automatic Press Company. (See Rea, Edward J. F., assignor.)
- American Automatic Press Company. (See Rea and Clark, assignors.)
- American Automobile Specialty Company. (See Saint Cyr, Emilien D., assignor.)
- American Bank Note Company. (See Aitchison, Peter, assignor.)
- American Bank Note Company. (See Kritter, William A., assignor.)
- American Bank Note Company. (See Reinhardt, James H., assignor.)
- American Bank Note Company. (See Smith, Amos H., assignor.)
- American Bankers Safety Co. (See Benham, Edgar M., assignor.)
- American Beet Topper Company. (See Gardner, William R., assignor.)
- American Blower Company. (See Still, Frederick R., assignor.)
- American Bottle Company, The. (See Lamb, Thomas F., assignor.)
- American Brake Company, The. (See Adreon, Robert E., assignor.)
- American Brake Company, The. (See Burton, Thomas L., assignor.)
- American Brake Shoe & Foundry Company. (See Cook, George, assignor.)
- American Brake Shoe & Foundry Company. (See Davis, Nathan H., assignor.)
- American Brake Shoe & Foundry Company. (See Evans, George S., assignor.)
- American Brake Shoe & Foundry Company. (See Gallagher, Joseph D., assignor.)
- American Brake Shoe & Foundry Company. (See Harding, William H., assignor.)
- American Brake Shoe & Foundry Company. (See Pettis and Batten, assignors.)
- American Brake Shoe & Foundry Company. (See Sargent, Fitz William, assignor.)
- American Brake Shoe & Foundry Company. (See Thompson, James S., assignor.)
- American Button Company. (See Neumann, Ludwig, assignor.)
- American Can Company. (See Ayres, William H., assignor.)
- American Can Company. (See Bonthron, William C., assignor.)
- American Can Company. (See Dixon, James W., assignor.)
- American Can Company. (See Eberhart, Felix, assignor.)
- American Can Company. (See Fleischer, Paul W., assignor.)
- American Can Company. (See Gray, James A., assignor.)
- American Can Company. (See Hodgson, John G., assignor.)
- American Can Company. (See Hothersall, John M., assignor.)
- American Can Company. (See Johnson, Axel, assignor.)
- American Can Company. (See Jones, Harry W., assignor.)
- American Can Company. (See Miller, George F., assignor.)
- American Can Company. (See Philip, Ernest R., assignor.)
- American Can Company. (See Rudolph, Franklin, assignor.)
- American Can Company. (See Rudolphi, Frank, assignor.)
- American Can Company. (See Schenck and Doolittle, assignors.)
- American Can Company. (See Sharp, Lee C., assignor.)
- American Can Company. (See Stollberg, Charles, assignor.)
- American Can Company. (See Taylor, William E., assignor.)
- American Can Company. (See Tevander, Swan, assignor.)
- American Can Company. (See Weber, George W., assignor.)
- American Can Company. (See Young, John M., assignor.)
- American Car and Foundry Company. (See Allyn and Turner, assignors.)
- American Car and Foundry Company. (See Almquist, Leopold, assignor.)
- American Car and Foundry Company. (See Ames, John M., assignor.)
- American Car and Foundry Company. (See Armitage, William G., assignor.)
- American Car and Foundry Company. (See Beard, Paul M., assignor.)
- American Car and Foundry Company. (See Cherbonnier, George C., assignor.)
- American Car and Foundry Company. (See Cooper, James J., assignor.)
- American Car and Foundry Company. (See Donadon and Mathes, assignors.)
- American Car and Foundry Company. (See Flinn, Christopher, assignor.)
- American Car and Foundry Company. (See Hamilton, Karl M., assignor.)
- American Car and Foundry Company. (See Morgan, Samuel S., assignor.)
- American Car and Foundry Company. (See Osborn, Joseph A., assignor.)
- American Car and Foundry Company. (See Ostrander, Allen E., assignor.)
- American Car and Foundry Company. (See Price, Harry E., assignor.)
- American Car and Foundry Company. (See Rohlfing, John M., assignor.)
- American Car and Foundry Company. (See Schroeder, Ernest R., assignor.)
- American Car and Foundry Company. (See Sparks, Levi C., assignor.)
- American Car and Foundry Company. (See Sparks and Hartbauer, assignors.)
- American Car and Foundry Company. (See Steinmeyer, John W., assignor.)
- American Car and Foundry Company. (See Summa, Victor M., assignor.)
- American Car and Foundry Company. (See Udstad, Sigvald, assignor.)
- American Car and Foundry Company. (See Weisbrod, Jacob H., assignor.)
- American Car and Foundry Company. (See Willoughby, Victor, assignor.)
- American Car Roof Company. (See Christy, Henry A., assignor.)
- American Car and Ship Hardware Manufacturing Company. (See Beulke, Herman, assignor.)
- American Car Sprinkler Co. (See McDonald, Thomas J., assignor.)

Alphabetical list of patentees—Continued.

- American Car Sprinkler Co. (See Perry, Edward C. and F. D., assignors.)
 American Chain Company. (See Blodgett, William K., assignor.)
 American Chain Company. (See Strong, Frederick A., assignor.)
 American Chemical Paint Company. (See Feidt, George D., assignor.)
 American Circular Loom Company. (See Hubert and Lockwood, assignors.)
 American Circular Loom Company. (See Lutz, George A., assignor.)
 American Corte-Scope Company, The. (See Murphy, John J., assignor.)
 American Cotton Chopper Company. (See Ballance, David S., assignor.)
 American Couch Company. (See Plunkett, Charles L., assignor.)
 American Crayon Company, The. (See Rittman, Christian A., assignor.)
 American Cut Glass Company. (See Healy, Patrick H., assignor.)
 American Cyanamid Company. (See Cooper, Kenneth F., assignor.)
 American Cyanamid Company. (See Landis, Walter S., assignor.)
 American Cystoscope Makers. (See Wappler, Reinhold H., assignor.)
 American Dairy Supply Company. (See Compton, Harry L., assignor.)
 American District Steam Company. (See Long, Howard E., assignor.)
 American District Telegraph Company, The. (See Hoge, Joseph F. D., assignor.)
 American District Telegraph Company, The. (See Jacoby, William L., assignor.)
 American Ditching Machine Company. (See Linga, Torbjörn, assignor.)
 American Dyewood Company. (See Chapin and Lesser, assignors.)
 American Electric Company, The. (See Burns, Peter C., assignor.)
 American Electric Telephone Company. (See Burns, Peter C., assignor.)
 American Electrical Heater Company. (See Kuhn, Frank, assignor.)
 American Electrical Heater Company. (See Kuhn and Shalor, assignors.)
 American Engineering Company. (See Alpern, Maxwell, assignor.)
 American Ferroletride Corporation. (See Machalske, Florentine J., assignor.)
 American Fire Alarm Company. (See Knittel, David G., assignor.)
 American Fire Alarm Company. (See Knittel and Davis, assignors.)
 American Flaming Arc Lamp Company. (See Baker, Malcolm H., assignor.)
 American Fog Signal Company. (See Snyder, Clara B., assignor.)
 American Folding Machine Co., The. (See Bechtel, Milton W., assignor.)
 American Folding Machine Company, The. (See Jacoby, Carl A., assignor.)
 American Folding Machine Company, The. (See Pejauro and Zeitz, assignors.)
 American Fork and Hoe Company, The. (See Cowdery, Warren H., assignor.)
 American Fruit Machinery Company, The. (See Northrop, Walter, assignor.)
 American Gas Light Company of New England. (See Halsey, Edward S., assignor.)
 American Gasaccumulator Company. (See Karlson, Gustaf V., assignor.)
 American Glue Company. (See Campbell, Charles H., assignor.)
 American Granite Saw Company. (See Chase, Elroy A., assignor.)
 American Graphophone Company. (See Capps, Frank L., assignor.)
 American Graphophone Company. (See Emerson, Victor H., assignor.)
 American Graphophone Company. (See Emerson, Manwaring, and Reynard, assignors.)
 American Graphophone Company. (See Fuhri, William C., assignor.)
 American Graphophone Company. (See Funnell, George L., assignor.)
 American Graphophone Company. (See Macdonald, Thomas H., assignor.)
 American Graphophone Company. (See Pumphrey, Walter H., assignor.)
 American Graphophone Company. (See Scully, John J., assignor.)
 American Graphophone Company. (See Steventon, Thomas, assignor.)
 American Graphophone Company. (See Woods, Clinton E., assignor.)
 American Graphophone Company. (See Yerkes, Hulbert A., assignor.)
 American Grondal Company. (See Hansell, Nils V., assignor.)
 American Hardware Corporation, The. (See Arens, August, assignor.)
 American Hardware Corporation, The. (See Arens and Fletcher, assignors.)
 American Hardware Corporation, The. (See Fletcher, James R., assignor.)
 American Hardware Corporation, The. (See Gérard, John, assignor.)
 American Hardware Corporation, The. (See Henry, William K., assignor.)
 American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
 American Hardware Corporation, The. (See Johnson, Charles E., assignor.)
 American Hardware Corporation, The. (See Smyser, Louis B., assignor.)
 American Hardware Corporation, The. (See Stone, Elmer B., assignor.)
 American Hardware Corporation, The. (See Svenson, Charles W., assignor.) (Reissue.)
 American Hardware Corporation, The. (See Telch, Ernest L., assignor.)
 American Hardware Corporation, The. (See Voight, Henry G., assignor.)
 American Hardware Corporation, The. (See Wessoleck, Augustus W., assignor.)
 American Heat & Power Co. (See Becker, Julius H., assignor.)
 American High Density Compress Corporation. (See Sheppard, John L., assignor.)
 American High Speed Press Company. (See Sheehan, Thomas C., assignor.)
 American Hoist & Derrick Co. (See Crosby, Wilhelm, and Brink, assignors.)
 American Hominy Company. (See Atkinson, Frederick C., assignor.)
 American Hoop Splice Company, The. (See Bowman and Hewitt, assignors.)
 American Hosiery Company. (See Davison and Dummer, assignors.)
 American Hosiery Company. (See Davison and Pasco, assignors.)
 American Industrial Company. (See Moe, Rudolf, assignor.)
 American Industrial Gas Company. (See Hildebrandt, Gotthold, assignor.)
 American Iron Roofing Company, The. (See Smith, John, assignor.)
 American Key Can Company. (See McColl, Francis P., assignor.)
 American Kron Scale Company. (See Barrett, Joseph C., assignor.)
 American-La France Fire Engine Company. (See Nesmith, Ralph H., assignor.)
 American Lacing Hook Co. (See Havener, Arthur R., assignor.)
 American Lacing Hook Co. (See Jennings, Richard P., assignor.)
 American Laundry Machinery Company. (See Cooper, Daniel M., assignor.)
 American Laundry Machinery Company. (See Hagen and Cooper, assignors.)
 American Lithographic Company. (See Pancoast, George E., assignor.)
 American Machine & Foundry Company. (See Smith, Elberon D., assignor.)
 American Machine & Manufacturing Company. (See Davidson, Joseph, assignor.)
 American Mechanical Cashier Company. (See Dement, Isaac S., assignor.)
 American Metal Cap Company, The. (See Hammer, Charles, assignor.)
 American Metal Wheel & Auto Company, The. (See Barschow, George H., assignor.)
 American Model and Instrument Company. (See Waite and Wheelock, assignors.)
 American Moistening Company. (See Comfort, Edward W., assignor.)
 American Mono-Service Company. (See Moore, Samuel W., assignor.)
 American Morgan Company. (See Morgan, Edmund C., assignor.)
 American Multigraph Company, The. (See Allen, William R., assignor.)
 American Multigraph Company, The. (See Bates, Albert H., assignor.)
 American Multigraph Company, The. (See Gammeter, Harry C., assignor.)
 American Multigraph Company, The. (See Neidich, Samuel A., assignor.)
 American Multigraph Company, The. (See Osborn, Henry C., assignor.)
 American Multigraph Company, The. (See Saltzman, Auguste L., assignor.)
 American Multigraph Company, The. (See Trundle, George T., assignor.)
 American Multigraph Company, The. (See Trundle, George T., Jr., assignor.)

Alphabetical list of patentees—Continued.

- American Multigraph Company, The. (See West, Brennan B., assignor.)
 American Nitro-Products Company. (See Brownlee and Uhlinger, assignors.)
 American Office Machine Co. (See Cotton, Walter H., assignor.)
 American Optical Company. (See Baker, Nelson M., assignor.)
 American Optical Company. (See Bugbee, Lucian W., assignor.)
 American Optical Company. (See Carson, Oswald B., assignor.)
 American Optical Company. (See Day, George H., assignor.)
 American Optical Company. (See Laffin, Stephen C., assignor.)
 American Optical Company. (See McKinstry, George W., assignor.)
 American Optical Company. (See Pratt, Arthur J., assignor.)
 American Optical Company. (See Styll, Harry H., assignor.)
 American Ozone Company. (See Butler, George F., assignor.)
 American Pad & Textile Company, The. (See McClain, Arthur E., assignor.)
 American Paper Goods Company, The. (See Cooley, Henry B., assignor.)
 American Paper Goods Company. (See Cooley and Bacon, assignors.)
 American Pattern & Model Co. (See Seidel, William, assignor.)
 American Perforator Company. (See Day, Alfred L., assignor.)
 American Piano Company. (See Chase, Joseph H., assignor.)
 American Pin Company. (See Harcke, Gustav E., assignor.)
 American Piston Ring Company. (See Wenzel, Albert W., assignor.)
 American Planograph Company. (See Cornwall, George R., assignor.)
 American Planograph Company. (See Saltzman, Auguste L., assignor.)
 American Player Action Company. (See Turney, Eugene T., assignor.)
 American Pneumatic Service Company. (See Emerson, Merton L., assignor.)
 American Pneumatic Service Company. (See Fordyce, Edmond A., assignor.)
 American Pneumatic Service Company. (See Jennings, Chester S., assignor.)
 American Pneumatic Service Company. (See Stoddard, Charles F., assignor.)
 American Postal Machines Company, The. (See Barbour, George H., assignor.)
 American Postal Machines Company, The. (See Stoddard, Thomas G., assignor.)
 American Products Company. (See Naylor and Ruggles, assignors.)
 American Pulley Company, The. (See Bowen, Russell H., assignor.)
 American Pulley Company, The. (See Brinley, Charles A., assignor.)
 American Radiator Co. (See Marshall, Aquila B., assignor.)
 American Radiator Company. (See Eggleston, Lewis W., assignor.)
 American Radiator Company. (See Sutton, William S., assignor.)
 American Raveller Co. (See Traver, Adelbert L., assignor.)
 American Ring Company, The. (See Condit, George M., assignor.)
 American Road Appliance Corporation. (See Pezzetti, Henry, assignor.)
 American Roofing Tile Company. (See Sawyer, Frank M., assignor.) (Reissue.)
 American Rotary Machine Company, The. (See Eisermann and Lehne, assignors.)
 American Rotary Motor Company. (See Mears, William N., assignor.)
 American Safety Steel Rail Co. (See Hellstrom, Frank O., assignor.)
 American Sales Book Company. (See Bottle, Edward K., assignor.)
 American Sales Book Company. (See Greig, Walter, assignor.)
 American Sales Book Company. (See Mickel, Glenn L., assignor.)
 American Sales Book Company. (See Pringle, William A., assignor.)
 American Sarcophagus Company. (See Van Nostrand, Charles L., assignor.)
 American Seeding Machine Company, The. (See Faas, Henry N., assignor.)
 American Seeding Machine Company, The. (See Lewis and Faas, assignors.)
 American Seeding Machine Company, The. (See Packham, Frank R., assignor.)
 American Seeding Machine Company, The. (See Packham and Braley, assignors.)
 American Sheet and Tin Plate Company. (See Cooper, Samuel M., assignor.)
 American Sheet & Tin Plate Company. (See Jones, Llewellyn, assignor.)
 American Sheet and Tin Plate Company. (See Oesterle, Beale, and McFetridge, assignors.)
 American Sheet & Tin Plate Company. (See Pisarcik, Andro, assignor.)
 American Ship Windlass Company, The. (See Riley, Robert S., assignor.)
 American Sign Company. (See Bambeck and Van Male, assignors.)
 American Sign Company. (See Burleigh, James K., assignor.)
 American Smoke Washing Company. (See Foster, Oliver M., assignor.)
 American Spring Tire Company, The. (See De Voll, Charles H., assignor.)
 American Stamping Machine Company. (See Woodward, Erastus, assignor.)
 American Stay Company. (See Merrick, Frank W., assignor.)
 American Steam Gauge & Valve Manufacturing Co. (See Manning, Coleman J., assignor.)
 American Steel Foundries. (See Blanchard, Henry, assignor.)
 American Steel Foundries. (See Floyd, George G., assignor.)
 American Steel Foundries. (See Geddert, William J., assignor.)
 American Steel Foundries. (See Janney, Eli H., assignor.)
 American Steel Foundries. (See Janney, Robert E. L., assignor.)
 American Steel Foundries. (See Kinne, Edmund P., assignor.)
 American Steel Foundries. (See Kinne and Blanchard, assignors.)
 American Steel Foundries. (See Stearns, Walter A., assignor.)
 American Steel Package Company, The. (See Kruse, August M., assignor.)
 American Steel & Wire Company, The. (See Baluss, Hamilton, assignor.)
 American Steel & Wire Company of New Jersey, The. (See Banta and Weaver, assignors.)
 American Steel and Wire Company of New Jersey, The. (See Daniels, Fred H., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Johnson and Lodding, assignors.)
 American Steel & Wire Company of New Jersey, The. (See Kilmer, William A., assignor.)
 American Steel & Wire Company of New Jersey, The. (See Kilmer and Weaver, assignors.)
 American Steel & Wire Company of New Jersey, The. (See McKown, George W., assignor.)
 American Steel & Wire Company of New Jersey, The. (See Pifer, James S., assignor.)
 American Steel & Wire Company of New Jersey, The. (See Weaver, Albert T., assignor.)
 American Stove Company. (See Blackford, Atwell J., assignor.)
 American Stove Company. (See Boekenkamp, Edward, assignor.)
 American Stove Company. (See Meacham, Benjamin E., assignor.)
 American Stove Company. (See Roy, Joseph, assignor.)
 American Stove Company. (See Ruppel, Henry, assignor.)
 American Stove Company. (See Stockstrom, Louis, assignor.)
 American Stove Company. (See Stockstrom and Parpert, assignors.)
 American Street Lighting Company. (See Newbold, Eugene S., assignor.)
 American Suspension Railways Company. (See Von Hasel, Georg M., assignor.)
 American Telephone and Telegraph Company. (See Blauvelt, William C., assignor.)
 American Telephone and Telegraph Company. (See Blauvelt and Molina, assignors.)
 American Telephone and Telegraph Company. (See Cunningham and Horner, assignors.)
 American Telephone and Telegraph Company. (See Gray and Molina, assignors.)
 American Telephone and Telegraph Company. (See Jewett and Shaw, assignors.)
 American Telephone and Telegraph Company. (See Kitzsee, Isidor, assignor.)
 American Telephone and Telegraph Company. (See Molina, Edward C., assignor.)
 American Telephone and Telegraph Company. (See O'Connell, Joseph J., assignor.)
 American Telephone and Telegraph Company. (See Rhodes, Frederick L., assignor.)
 American Telephone and Telegraph Company. (See Shaw, Thomas, assignor.)
 American Telephonograph Corporation. (See Noll, John, assignor.)
 American Textile Machinery Company. (See Long, Albert, assignor.)

Alphabetical list of patentees—Continued.

- American Thread Company, The. (See Caldwell, William W., assignor.)
- American Tire Company, The, *et al.* (See Dees, Mark A., assignor.)
- American Tire Company. (See Dees and McLeod, assignors.)
- American Tire Company, The. (See McLeod, Nelson W., assignor.)
- American Tire Company. (See McLeod and Dees, assignors.)
- American Tobacco Company, The. (See Harris, Fred R., assignor.)
- American Tobacco Company. (See Hill, George W., assignor.)
- American Tobacco Company, The. (See Lauhoff, Frank, assignor.)
- American Tobacco Company, The. (See Palmowsky, Stanislaus, assignor.)
- American Tobacco Company, The. (See Prescott, Sydney I., assignor.)
- American Tobacco Company. (See Smith and Teale, assignors.)
- American Tool & Machine Company. (See Arnold, Henry F., assignor.)
- American Tool Works. (See Karcher, Arthur A., assignor.)
- American Tray Company. (See Solomon, Morris B., assignor.)
- American Type Founders Company. (See Benton, Linn B., assignor.)
- American Type Founders Company. (See Kelly, William M., assignor.)
- American Typographic Corporation, The. (See Richards, Francis H., assignor.)
- American Valve & Meter Company, The. (See Anderson, Frank C., assignor.)
- American Vertebrate Propeller Company. (See Turner, Joseph, assignor.)
- American Warp Drawing Machine Company. (See Hathaway and Lanning, assignors.)
- American Warp Drawing Machine Company. (See Lea, Charles, assignor.)
- American Water Softener Company. (See Hodgkinson, George F., assignor.)
- American Water Supply Company of New England. (See Provandie, Herbert F., assignor.)
- American Well Works. (See Chapman, Matthew T., assignor.)
- American Well Works, The. (See Chapman, Matthew T. and M. C., assignors.)
- American Wire Fabrics Company. (See Harrah, William F., assignor.)
- American Wood Encysting Co. (See Marr, Robert A., assignor.)
- American Wood Working Machinery Co. (See Clement, Frank H., assignor.)
- American Wrapping Machine Company. (See Page, Clarence C., assignor.)
- Ames, Alden T., Niles, Cal. Tubular propeller-pump. No. 1,114,092; Oct. 20; Gaz. vol. 207; p. 669.
- Ames, Arthur T., Blanchard, Me. Automatic coupling and air-valve-operating mechanism. No. 1,087,862; Feb. 17; Gaz. vol. 199; p. 889.
- Ames, Earl L., San Bernardino, Cal. Can-opener. No. 1,094,384; Apr. 21; Gaz. vol. 201; p. 840.
- Ames, Ernest R., assignor of one-half to C. P. Wood, Sabinal, Tex. Nut and bolt lock. No. 1,097,205; May 19; Gaz. vol. 202; p. 775.
- Ames, Frank E., Vallejo, Cal. Serving-machine. No. 1,094,047; Apr. 21; Gaz. vol. 201; p. 728.
- Ames, Frederick P., assignor to Askew Saddlery Company, Kansas City, Mo. Gig-saddle. No. 1,111,686; Sept. 22; Gaz. vol. 206; p. 1120.
- Ames, George W., Staples, Minn. Guard for water-glasses. No. 1,111,518; Sept. 22; Gaz. vol. 206; p. 1061.
- Ames, Herman, St. Paul, Minn. Card or label holder. No. 1,113,860; Oct. 13; Gaz. vol. 207; p. 550.
- Ames, James W., Lubbock, Tex. Silo. No. 1,093,904; Apr. 21; Gaz. vol. 201; p. 681.
- Ames, Joel, Montrose, assignor of one-sixth to L. C. Miller, Keokuk, one-sixth to J. C. Schee, and one-sixth to T. S. Robison, Farmington, Iowa. Train-control system. No. 1,118,891; Nov. 24; Gaz. vol. 208; p. 1311.
- Ames, Joel, Montrose, assignor of one-sixth to L. C. Miller, one-eighth to G. Brown, Keokuk, one-eighth to J. C. Schee, one-eighth to T. S. Robinson, Farmington, and one-eighth to E. Leech, Montrose, Iowa. Train-control system. No. 1,118,892; Nov. 24; Gaz. vol. 208; p. 1312.
- Ames, John H., Eddington, Me. Strike-plate for locks. No. 1,094,290; Apr. 21; Gaz. vol. 201; p. 808.
- Ames, John M., New York, N. Y., assignor to American Car and Foundry Company, St. Louis, Mo. Carline. No. 1,097,962; May 26; Gaz. vol. 202; p. 1085.
- Ames, John T., Bridger, Mont. Dam for irrigating-ditches. No. 1,117,543; Nov. 17; Gaz. vol. 208; p. 803.
- Ames, John W., East Rutherford, N. J. Game adjunct. No. 1,105,478; July 28; Gaz. vol. 204; p. 1269.
- Ames, Joseph H., Chicago, Ill. Electric locomotive or the like. No. 1,113,923; Oct. 13; Gaz. vol. 207; p. 570.
- Ames, Percy E. (See Williams, Herbert L., assignor.)
- Ames, Shirley L., Everett, Mass. Flavoring emulsion. No. 1,097,607; May 26; Gaz. vol. 202; p. 957.
- Amey, Clement I., assignor to W. A. Olsen, Columbus, Ohio. Internal-combustion engine. No. 1,116,781; Nov. 10; Gaz. vol. 208; p. 497.
- Amicarelli, Antonino. (See Di Domenica and Amicarelli.)
- Amies, Joseph H., Philadelphia, Pa. Alkaline cement. No. 1,087,914; Feb. 24; Gaz. vol. 199; p. 953.
- Amies, Joseph H., Philadelphia, Pa. Alkaline cement. No. 1,088,646; Feb. 24; Gaz. vol. 199; p. 1201.
- Amindo, Renzetti. (See Luigi and Amindo.)
- Amis, James T., Baton Rouge, La. Aeroplane-landing device. No. 1,085,000; Jan. 20; Gaz. vol. 198; p. 639.
- Ammann, Frank X. (See Artigue, Leon B., assignor.)
- Amme Giesecke & Konegen, Aktiengesellschaft. (See Rojahn, Karl, assignor.)
- Ammidon and Company. (See Perego, Thomas R., assignor.)
- Ammon, Charles D., David City, Nebr. Pipe-pushing device. No. 1,117,150; Nov. 17; Gaz. vol. 208; p. 664.
- Ammon, Karl, Berlin-Tempelhof, Germany. Cipher type-writer. No. 1,126,784; Dec. 15; Gaz. vol. 209; p. 739.
- Amnelius, Theodore, South Framingham, Mass. Propeller. No. 1,123,202; Dec. 29; Gaz. vol. 209; p. 1658.
- Amodio, Raffaele. (See Ferry, Moscariello, and Amodio.)
- Amon, Clement E., assignor to C. H. Sheasley, Franklin, Pa. Cylinder for valveless two-cycle internal-combustion motors. No. 1,105,585; July 28; Gaz. vol. 204; p. 1306.
- Amphion Piano Player Company. (See Doman, Lewis B., assignor.)
- Ampudia, Francis P. (See De Escobales and Ampudia.)
- Amrein, William, Noble, Okla. Kafir-corn harvester. No. 1,123,203; Dec. 29; Gaz. vol. 209; p. 1658.
- Amrhein, Georg, Munich, Germany. Type-casting apparatus. No. 1,087,419; Feb. 17; Gaz. vol. 199; p. 736.
- Amsden, Fred. (See Hanna, Filbin, and Amsden.)
- Amsden, George A., Littleton, Mass., assignor to The Lamson Company, Newark, N. J. Carrier for cable-carrier apparatus. No. 1,101,518; June 30; Gaz. vol. 203; p. 1268.
- Amsden, George A., Littleton, assignor to The Lamson Company, Boston, Mass. Cable-carrier apparatus. No. 1,108,823; Aug. 25; Gaz. vol. 205; p. 1269.
- Amsden, George A., Littleton, assignor to The Lamson Company, Boston, Mass. Cable-carrier apparatus. No. 1,108,824; Aug. 25; Gaz. vol. 205; p. 1269.
- Amsden, George A., Littleton, assignor to The Lamson Company, Boston, Mass. Grip for cable carriers. No. 1,122,354; Dec. 29; Gaz. vol. 209; p. 1359.
- Amsler, Walter O., Pittsburgh, Pa. Coin-controlled vending-machine. No. 1,083,515; Jan. 6; Gaz. vol. 198; p. 84.
- Amspacker, Lemmet L., Glasco, Kans. Wagon end-gate. No. 1,093,963; Apr. 21; Gaz. vol. 201; p. 701.
- Amthor, Fritz E., assignor to The Schaeffer & Budenberg Mfg. Co., Brooklyn, N. Y. Gage-pen arm. No. 1,122,053; Dec. 22; Gaz. vol. 209; p. 1219.
- Amundson, Arne. (See Mummery, Walter S., assignor.)
- Amundson, Henry O., Alexandria, Minn. Drawer for filing-cases and similar structures. No. 1,088,864; Mar. 3; Gaz. vol. 200; p. 65.
- Amundson, John C., Crosby, Minn. Photo-negative drier. No. 1,111,938; Sept. 29; Gaz. vol. 206; p. 1244.
- Anable, Clarence E., Sacramento, Cal. Gravity toilet-paper delivering means and cutter. No. 1,083,477; Jan. 6; Gaz. vol. 198; p. 73.
- Anable, Clarence E., Sacramento, Cal. Paper-cutter. No. 1,091,450; Mar. 24; Gaz. vol. 200; p. 1070.
- Anable, Sheldon B., Yonkers, N. Y. Feed-bag. No. 1,123,204; Dec. 29; Gaz. vol. 209; p. 1659.
- Anchor Concrete Stone Company. (See Bradley, Charles W., assignor.)
- Anderegg, Gustavus A., Oak Park, Ill., assignor to Western Electric Company, New York, N. Y. Twisting-machine. No. 1,108,312; Aug. 25; Gaz. vol. 205; p. 1095.
- Anderfuhren, Louis, Lauraville, assignor to The Stieff Company, Baltimore, Md. Drawing-press. No. 1,095,769; May 5; Gaz. vol. 202; p. 204.
- Anderberg, Ralph H., Chelsea, Mass. Packing material. No. 1,088,252; Feb. 24; Gaz. vol. 199; p. 1072.
- Anderegg, Edward W., Algoma, Wis. Machine for applying metal tips to cord. No. 1,087,420; Feb. 17; Gaz. vol. 199; p. 737.
- Andersen, Anders N., Hongsund, Norway. Peeling-machine for wood logs. No. 1,106,177; Aug. 4; Gaz. vol. 205; p. 207.
- Andersen, Charles. (See Lidster and Andersen.)
- Andersen, Ferdinand. (See Manthorpe and Hansen, assignors.)
- Andersen, Frank A. (See Bernier and Andersen.)
- Andersen, Gullow M., Chicago, Ill. Life-belt. No. 1,112,186; Sept. 29; Gaz. vol. 206; p. 1327.
- Andersen, Hans, Nymore, Minn. Saw-set. No. 1,111,348; Sept. 22; Gaz. vol. 206; p. 1003.
- Andersen, Johan M., assignor to Albert and J. M. Andersen Manufacturing Company, Boston, Mass. Oil-switch. No. 1,094,693; Apr. 28; Gaz. vol. 201; p. 1010.

Alphabetical list of patentees—Continued.

- Andersen, Johan M., assignor to Albert and J. M. Anderson Manufacturing Company, Boston, Mass. Oil time-switch. No. 1,094,694; Apr. 28; Gaz. vol. 201; p. 1011.
- Andersen, Lauritz W., assignor to The Plume and Atwood Manufacturing Company, Waterbury, Conn. Socket-shell and holder combined. No. 1,089,180; Mar. 3; Gaz. vol. 200; p. 177.
- Andersen, Lauritz W., assignor to The Plume & Atwood Manufacturing Company, Waterbury, Conn. Screwless socket-cover and holder. No. 1,096,523; May 12; Gaz. vol. 202; p. 496.
- Andersen, Lauritz W., assignor to The Plume & Atwood Manufacturing Company, Waterbury, Conn. Shade-holding means for electric fixtures. No. 1,097,282; May 19; Gaz. vol. 202; p. 803.
- Andersen, Lauritz W., assignor to The Plume and Atwood Manufacturing Company, Waterbury, Conn. Electric shade-holder. No. 1,099,783; June 9; Gaz. vol. 203; p. 528.
- Andersen, Lauritz W., assignor to The Plume & Atwood Manufacturing Company, Waterbury, Conn. Electric holder. No. 1,103,122; July 14; Gaz. vol. 204; p. 361.
- Andersen, Lauritz W., assignor to The Plume & Atwood Mfg. Co., Waterbury, Conn. Safety appliance for screwless holders. No. 1,114,571; Oct. 20; Gaz. vol. 207; p. 839.
- Andersen, Niels K., Oakland, assignor of one-third to C. Duthie, San Mateo, Cal. Manufacturing artificial marble. No. 1,105,950; Aug. 4; Gaz. vol. 205; p. 127.
- Andersen, Nils P. E., Milwaukee, assignor, by mesne assignments, to Pawling and Harnischfeger Company, West Milwaukee, Wis. Clam-shell bucket. No. 1,096,213; May 12; Gaz. vol. 202; p. 388.
- Andersen, Nils P. E., Milwaukee, assignor to Pawling and Harnischfeger Company, West Milwaukee, Wis. Clam-shell bucket. No. 1,096,214; May 12; Gaz. vol. 202; p. 389.
- Andersen, Theodor C. J., New York, N. Y. Key-ring tag. No. 1,099,869; June 9; Gaz. vol. 203; p. 557.
- Andersen, Thomas C., Viborg, Denmark. Explosion-turbine. No. 1,099,732; June 9; Gaz. vol. 203; p. 510.
- Andersen, Victor, Detroit, Minn. Spring and shock-absorber. No. 1,113,941; Oct. 20; Gaz. vol. 207; p. 616.
- Anderson, Albert D., *et al.* (See Anderson, Frank B., assignor.)
- Anderson, Albert D., Duluth, Minn. Seed-dropping mechanism for planters. No. 1,109,500; Sept. 1; Gaz. vol. 206; p. 226.
- Anderson, Alfred, Chicago, Ill. Harrow. No. 1,121,320; Dec. 15; Gaz. vol. 209; p. 926.
- Anderson, Alfred, assignor to Concord Company, Chicago, Ill. Motor. No. 1,087,627; Feb. 17; Gaz. vol. 199; p. 809.
- Anderson, Alfred A., Jamestown, N. Y. Pivotal support for mirrors. No. 1,116,782; Nov. 10; Gaz. vol. 208; p. 497.
- Anderson, Andrew G., Clay Center, Nebr. Circuit-closer. No. 1,107,013; Aug. 11; Gaz. vol. 205; p. 540.
- Anderson, Andrew M., Moscow, Idaho. Threshing-machine. No. 1,111,554; Sept. 22; Gaz. vol. 206; p. 1072.
- Anderson, Andrew R., Arlington, N. J. Shoe-tree. No. 1,116,666; Nov. 10; Gaz. vol. 208; p. 457.
- Anderson, Andrew W., Chicago, Ill. Locomotive-superheater. No. 1,113,731; Oct. 13; Gaz. vol. 207; p. 503.
- Anderson, Anton, Brooklyn, N. Y. Clamp. No. 1,086,574; Feb. 10; Gaz. vol. 199; p. 394.
- Anderson, Anton D. (See Ponsiglione and Anderson.)
- Anderson, Anton G., Chicago, Ill. Clysterizing apparatus. No. 1,112,107; Sept. 29; Gaz. vol. 206; p. 1300.
- Anderson, Anton T., F. L. Bailey, and W. C. Cummings, assignors to Anderson-Bailey-Cummings Company, Okmulgee, Okla. Wrench. No. 1,101,381; June 23; Gaz. vol. 203; p. 1168.
- Anderson, August W., Vancouver, British Columbia, Canada. Flexible film. No. 1,108,962; Sept. 1; Gaz. vol. 206; p. 37.
- Anderson, August, assignor to National Automatic Concaves and Tooth Company, St. Paul, Minn. Concaves for thresher-cylinders. No. 1,095,693; May 5; Gaz. vol. 202; p. 178.
- Anderson, August, assignor to National Automatic Concaves and Tooth Company, St. Paul, Minn. Cylinder-tooth-securing means. No. 1,095,951; May 5; Gaz. vol. 202; p. 263.
- Anderson, August P. (See Hansen and Anderson.)
- Anderson, Axel H., Jamestown, N. Y. Garment-hanger. No. 1,119,135; Dec. 1; Gaz. vol. 209; p. 82.
- Anderson, Axel T., Camden, N. J. Emergency-plug for boiler-tubes. No. 1,085,519; Jan. 27; Gaz. vol. 198; p. 852.
- Anderson-Bailey-Cummings Company. (See Anderson, Bailey, and Cummings, assignors.)
- Anderson-Barngrover Mfg. Co. (See Anderson and Thompson, assignors.)
- Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
- Anderson, Carl, Westbrook, Minn. Fence-wire reel. No. 1,108,311; Aug. 25; Gaz. vol. 205; p. 1095.
- Anderson, Carl A., Chicago, Ill. Bearing. No. 1,119,056; Dec. 1; Gaz. vol. 209; p. 56.
- Anderson, Carl A., Lowell, assignor to Reece Button Hole Machine Company, Boston, Mass. Button-sewing machine. No. 1,083,907; Jan. 13; Gaz. vol. 198; p. 243.
- Anderson, Carl E. J., Youngstown, Ohio. Apparatus for treating placer. No. 1,088,760; Mar. 3; Gaz. vol. 200; p. 29.
- Anderson, Carl E. J., assignor to National Placer Machine Company, Youngstown, Ohio. Placer-machine. No. 1,088,759; Mar. 3; Gaz. vol. 200; p. 29.
- Anderson, Carl J., Chicago, Ill., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Spool for electromagnets. No. 1,104,032; July 21; Gaz. vol. 204; p. 716.
- Anderson, Carl J., Chicago, Ill., assignor, by mesne assignments, to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Switch. No. 1,118,256; Nov. 24; Gaz. vol. 208; p. 1090.
- Anderson, Charles C., St. Joseph, Mo. Internal-combustion engine. No. 1,094,398; Apr. 21; Gaz. vol. 201; p. 844.
- Anderson, Charles E., Crystal Falls, Mich. Chimney-sweeper. No. 1,110,856; Sept. 15; Gaz. vol. 206; p. 789.
- Anderson, Charles M., Waterloo, Iowa. Milking-machine. No. 1,119,214; Dec. 1; Gaz. vol. 209; p. 110.
- Anderson, Charles O., *et al.* (See Anderson, Frank B., assignor.)
- Anderson, Charles O., Waterville, Kans. Planter. No. 1,108,878; Sept. 1; Gaz. vol. 206; p. 5.
- Anderson, Charles O., assignor of seven-tenths to A. T. Austin, Omaha, Nebr. Apparatus for controlling the operation of railway switches and signals. No. 1,086,499; Feb. 10; Gaz. vol. 199; p. 366.
- Anderson, Charles O., assignor of seven-tenths to A. T. Austin, Omaha, Nebr. Railway-switch or the like. No. 1,086,500; Feb. 10; Gaz. vol. 199; p. 366.
- Anderson, Charles O., assignor of one-fourth to A. T. Austin, one-fourth to W. A. Austin, and one-sixth to A. A. McClure, Omaha, Nebr. Slack-adjuster for brakes. No. 1,084,834; Jan. 20; Gaz. vol. 198; p. 584.
- Anderson, Charles P., Seattle, Wash. Gate-valve. No. 1,092,421; Apr. 7; Gaz. vol. 201; p. 103.
- Anderson, Charles R., Fergus Falls, Minn. Reversible sample-separating sieve. No. 1,083,423; Jan. 6; Gaz. vol. 198; p. 56.
- Anderson, Chris, and H. M. Ruddock, Caldwell, Idaho. Pump. No. 1,092,324; Apr. 7; Gaz. vol. 201; p. 70.
- Anderson, Christian, Aldermere, British Columbia, Canada. Tie and rail-fastening. No. 1,093,520; Apr. 14; Gaz. vol. 201; p. 509.
- Anderson, Claire P., Lawson, Mo. Headlight-turning mechanism. No. 1,103,338; July 14; Gaz. vol. 204; p. 435.
- Anderson, Clarence A., Chicago, Ill., assignor to Anderson Electric and Manufacturing Company, Wichita, Kans. Calling device for telephone-exchanges. No. 1,095,539; May 5; Gaz. vol. 202; p. 126.
- Anderson, Clarence H., St. Peter, Minn. Cultivator. No. 1,102,381; July 7; Gaz. vol. 204; p. 55.
- Anderson Computing Scale Company, The. (See Osborne, John H., assignor.) (Reissue.)
- Anderson, David, London, England. Gas-burner. No. 1,095,540; May 5; Gaz. vol. 202; p. 127.
- Anderson, David W., Clearfield, Pa. Road-drag. No. 1,086,501; Feb. 10; Gaz. vol. 199; p. 367.
- Anderson, David W., Richmond, Va. Combined invisible window-screen and ventilator for buildings. No. 1,113,179; Oct. 13; Gaz. vol. 207; p. 307.
- Anderson, Edgar V., Poughkeepsie, N. Y. Valve device for gas or fluid meters. No. 1,120,262; Dec. 8; Gaz. vol. 209; p. 506.
- Anderson, Edward. (See Johnson and Anderson.)
- Anderson, Edward C. (See Frisk and Anderson.)
- Anderson, Edward L., assignor to R and G Company, Attleboro, Mass. Bracelet. No. 1,085,520; Jan. 27; Gaz. vol. 198; p. 852.
- Anderson, Edward L., assignor to R. and G. Company, Attleboro, Mass. Collar-button. No. 1,107,190; Aug. 11; Gaz. vol. 205; p. 604.
- Anderson, Edward V., Monesson, assignor of one-half to C. E. Golden, Crafton, Pa. Pilot-valve. No. 1,092,806; Apr. 7; Gaz. vol. 201; p. 234.
- Anderson, Edward V., Monesson, assignor of one-half to C. E. Golden, Crafton, Pa. Emergency check-valve. No. 1,113,282; Oct. 13; Gaz. vol. 207; p. 346.
- Anderson, Elam I., Chicago, Ill. Rotary explosive-engine. No. 1,107,872; Aug. 18; Gaz. vol. 205; p. 893.
- Anderson, Elbert, Andalusia, Ala. Mail-box. No. 1,105,869; Aug. 4; Gaz. vol. 205; p. 99.
- Anderson, Elbert F., Urbana, Ill. Centrifugal sand screening and separating machine. No. 1,108,542; Aug. 25; Gaz. vol. 205; p. 1175.
- Anderson Electric Car Company. (See Bacon, George M., assignor.)
- Anderson Electric and Manufacturing Company. (See Anderson, Clarence A., assignor.)
- Anderson Electric and Manufacturing Company, The. (See Norstrom, Nils E., assignor.)
- Anderson, Eli O., Glenwood, Fla. Changeable tread for automobiles. No. 1,096,818; May 19; Gaz. vol. 202; p. 637.
- Anderson, Elias B., Rock Falls, Ill. Nut-lock. No. 1,107,473; Aug. 18; Gaz. vol. 205; p. 753.

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- Anderson, Emil, New York, N. Y., assignor to The Universal Turbine Company, Jersey City, N. J. Turbine. No. 1,083,909; Jan. 13; Gaz. vol. 198; p. 243.
- Anderson, Emil, New York, N. Y., assignor to The Universal Turbine Company, Jersey City, N. J. Turbine. No. 1,097,117; May 19; Gaz. vol. 202; p. 744.
- Anderson, Emil, New York, N. Y., assignor to The Universal Turbine Company, Jersey City, N. J. Turbine. No. 1,097,118; May 19; Gaz. vol. 202; p. 744.
- Anderson, Emil, New York, N. Y., assignor to Anderson Gas Turbine Company, Newark, N. J. Turbine. No. 1,088,761; Mar. 3; Gaz. vol. 200; p. 30.
- Anderson, Emil, New York, N. Y., assignor to Anderson Gas Turbine Company, Newark, N. J. Compressor. No. 1,105,479; July 28; Gaz. vol. 204; p. 1270.
- Anderson, Emil, assignor to H. S. Todd, New York, N. Y. Turbine. No. 1,105,602; Aug. 4; Gaz. vol. 205; p. 4.
- Anderson, Emil A., Swea City, Iowa. Variable-speed gearing. No. 1,103,926; July 21; Gaz. vol. 204; p. 681.
- Anderson, Erik, San Francisco, Cal. Wave-motor. No. 1,102,121; June 30; Gaz. vol. 203; p. 1480.
- Anderson, Ernest D., assignor to Union Paper Company, New York, N. Y. Machine for applying linings to hollow articles. No. 1,089,618; Mar. 10; Gaz. vol. 200; p. 371.
- Anderson, Ernest D., assignor to Union Paper Company, New York, N. Y. Machine for making paper boxes. No. 1,089,619; Mar. 10; Gaz. vol. 200; p. 371.
- Anderson, Ernst G., Westfield, N. J., assignor to National Pneumatic Action Co., Inc., New York, N. Y. Automatic musical instrument. No. 1,096,144; May 12; Gaz. vol. 202; p. 366.
- Anderson, Ernst G. K., Chicago, Ill. Lamp. No. 1,122,843; Dec. 29; Gaz. vol. 209; p. 1530.
- Anderson, Ernst G. K., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Separable attachment-plug. No. 1,103,244; July 14; Gaz. vol. 204; p. 404.
- Anderson, Frank, New York, N. Y. Folding scaffold. No. 1,114,956; Oct. 27; Gaz. vol. 207; p. 1027.
- Anderson, Frank B., assignor of one-third to C. O. Anderson and one-third to A. D. Anderson, Cleveland, Ohio. Centrifugal drier. No. 1,122,460; Dec. 29; Gaz. vol. 209; p. 1395.
- Anderson, Frank C., Cincinnati, Ohio. Interlocking switch-stand mechanism. No. 1,106,533; Aug. 11; Gaz. vol. 205; p. 374.
- Anderson, Frank C., Cincinnati, Ohio. Switch-stand target mechanism. No. 1,108,659; Aug. 25; Gaz. vol. 205; p. 1214.
- Anderson, Frank C., Cincinnati, Ohio. Lock for interlocking switch-stand mechanism. No. 1,108,879; Sept. 1; Gaz. vol. 206; p. 5.
- Anderson, Frank C., assignor to The American Valve & Meter Company, Cincinnati, Ohio. Foot-lever. No. 1,086,575; Feb. 10; Gaz. vol. 199; p. 394.
- Anderson, Frank C., assignor to The American Valve & Meter Company, Cincinnati, Ohio. Switch-stand-crank mechanism. No. 1,088,119; Feb. 24; Gaz. vol. 199; p. 1026.
- Anderson, Frank C., assignor to The American Valve & Meter Company, Cincinnati, Ohio. Automatic safety switch-lock. No. 1,118,462; Nov. 24; Gaz. vol. 208; p. 1166.
- Anderson, Frank E. (See Jacobson and Anderson.)
- Anderson, Frank J., Box Elder, Mont. Napkin-holder. No. 1,112,964; Oct. 6; Gaz. vol. 207; p. 192.
- Anderson, Frank L., *et al.* (See Legg and Buechner, assignors.)
- Anderson, Frederick V., Cleveland, Ohio. Steam-trap. No. 1,055,719; Feb. 3; Gaz. vol. 199; p. 49.
- Anderson, Fredrick, Lindsborg, Kans. Cotton-chopper. No. 1,119,562; Dec. 1; Gaz. vol. 209; p. 229.
- Anderson Furniture Co. (See Grumstrup, Waldo N., assignor.)
- Anderson Gas Turbine Company. (See Anderson, Emil, assignor.)
- Anderson, George H., Waverly, W. Va. Sand-pump or well-cleaning device. No. 1,117,752; Nov. 17; Gaz. vol. 208; p. 879.
- Anderson, George K., Memphis, Tenn. Shorthand type-writing machine. No. 1,108,660; Aug. 25; Gaz. vol. 205; p. 1215.
- Anderson, George K., Philadelphia, Pa. Shorthand type-writing machine. No. 1,108,661; Aug. 25; Gaz. vol. 205; p. 1215.
- Anderson, George M., administrator. (See Anderson, Robert.)
- Anderson, George W., assignor of one-half to D. P. Hayes, Hamilton, Ohio. Switch. No. 1,112,965; Oct. 6; Gaz. vol. 207; p. 193.
- Anderson, Godfrey F., *et al.* (See MacRae, John G., assignor.)
- Anderson, Gustaf M., Waterloo, Iowa. Rotator for piles of plates. No. 1,120,882; Dec. 15; Gaz. vol. 209; p. 774.
- Anderson, Gustave, New York, N. Y. Convertible chair-bed. No. 1,083,424; Jan. 6; Gaz. vol. 198; p. 56.
- Anderson, Gustavus W., Galesburg, Ill. Gas-meter-testing device. No. 1,097,834; May 26; Gaz. vol. 202; p. 1038.
- Anderson, Harold B. (See Winton and Anderson.)
- Anderson, Harold B., Cleveland, and P. Eckert, Conneaut, Ohio. Automobile-lock. No. 1,120,117; Dec. 8; Gaz. vol. 209; p. 454.
- Anderson, Harry F., *et al.* (See Reith, George H., assignor.)
- Anderson, Harry F. (See Reith and Anderson.)
- Anderson, Harry J., Chicago, Ill. Pneumatic musical instrument. No. 1,116,530; Nov. 10; Gaz. vol. 208; p. 405.
- Anderson, Harry M., Lancaster, Ohio. Oil-well swab. No. 1,108,313; Aug. 25; Gaz. vol. 205; p. 1095.
- Anderson, Henry C., Chicago, Ill. Safety device. No. 1,113,283; Oct. 13; Gaz. vol. 207; p. 346.
- Anderson, Hervey H., Louisville, Ky. Garment-stretcher. No. 1,096,145; May 12; Gaz. vol. 202; p. 367.
- Anderson, Hiram C., and A. P. Kemmer, New York, N. Y. Umbrella-protector. No. 1,095,064; Apr. 28; Gaz. vol. 201; p. 1139.
- Anderson, Irving A. (See Clark, Louis F., assignor.)
- Anderson, James, Jr., Omaha, Nebr. Telephone cut-out. No. 1,116,667; Nov. 10; Gaz. vol. 208; p. 457.
- Anderson, James B., Shaler township, Allegheny county, Pa. Gas-burner mechanism. No. 1,099,481; June 9; Gaz. vol. 203; p. 424.
- Anderson, James P., Lisbon, N. D. Envelop. No. 1,091,030; Mar. 24; Gaz. vol. 200; p. 931.
- Anderson, James W., San Francisco, Cal. Tire-puncture detector. No. 1,111,985; Sept. 29; Gaz. vol. 206; p. 1259.
- Anderson, Johannes G. (See Nelson, Nels G., assignor.)
- Anderson, John, U. S. Navy. Combination writing-paper and envelop tablet. No. 1,086,978; Feb. 10; Gaz. vol. 199; p. 532.
- Anderson, John A., Bridgeport, Conn. Punch. No. 1,114,666; Oct. 20; Gaz. vol. 207; p. 871.
- Anderson, John A., Chicago, Ill. Bottle-washing machine. No. 1,119,335; Dec. 1; Gaz. vol. 209; p. 150.
- Anderson, John A., assignor to The Smith & Egge Manufacturing Co., Bridgeport, Conn. Chain-tool. No. 1,087,565; Feb. 17; Gaz. vol. 199; p. 788.
- Anderson, John G. L., Providence, R. I. Propelling attachment for life-preservers. No. 1,103,729; July 14; Gaz. vol. 204; p. 572.
- Anderson, John M. S., assignor to The Perkins Electric Switch Manufacturing Company, Bridgeport, Conn. Electric switch. No. 1,100,515; June 16; Gaz. vol. 203; p. 817.
- Anderson, John W., Hamilton, Ontario, Canada. Lubricating-axle for trolley-wheels. No. 1,104,952; July 28; Gaz. vol. 204; p. 1084.
- Anderson, John W., assignor of one-half to Allith Manufacturing Co., Limited, Hamilton, Ontario, Canada. Belt-driven friction-gearing. No. 1,096,146; May 12; Gaz. vol. 202; p. 367.
- Anderson, Laust K., West Allis, Wis. Emergency-brake. No. 1,117,753; Nov. 17; Gaz. vol. 208; p. 879.
- Anderson, Leo M. and M. L. Ramsey, N. J. Combined feeder, fountain, and heater. No. 1,102,629; July 7; Gaz. vol. 204; p. 144.
- Anderson, Lou B., executrix. (See Anderson, Ulin S.)
- Anderson, Lucius B., assignor to N. B. Pryor, Logan, Utah. Drafting instrument. No. 1,098,210; May 26; Gaz. vol. 202; p. 1169.
- Anderson, Lycurgus, Lake Creek, Tex. Vehicle-wheel. No. 1,096,817; May 19; Gaz. vol. 202; p. 637.
- Anderson, Margaret M., Detroit, Mich. Pencil-stamp. No. 1,108,314; Aug. 25; Gaz. vol. 205; p. 1096.
- Anderson, May L. (See Anderson, Leo M. and M. L.)
- Anderson, Nels, Hurley, S. D. Nut-lock. No. 1,086,342; Feb. 10; Gaz. vol. 199; p. 313.
- Anderson, Nels, Chicago, Ill., assignor, by mesne assignments, to The Harris Automatic Press Company, Niles, Ohio. Sheet-feeding mechanism. No. 1,115,152; Oct. 27; Gaz. vol. 207; p. 1097.
- Anderson, Nelson, Ballston Spa, N. Y. Tire-armor. No. 1,086,696; Feb. 10; Gaz. vol. 199; p. 435.
- Anderson, Nils H., Hartford, assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,084,385; Jan. 13; Gaz. vol. 198; p. 403.
- Anderson, Nils H., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,120,660; Dec. 15; Gaz. vol. 209; p. 695.
- Anderson, Nils O., San Francisco, Cal. Electric switch. No. 1,102,562; July 7; Gaz. vol. 204; p. 119.
- Anderson, Olaf G., Mindoro, Wis. Agricultural implement. No. 1,096,586; May 12; Gaz. vol. 202; p. 516.
- Anderson, Ole. (See Fuchs and Anderson.)
- Anderson, Ole C., Hastings, Minn. Shocking-hook. No. 1,086,636; Feb. 10; Gaz. vol. 199; p. 415.
- Anderson, Olof, assignor to W. F. Murphy, Chicago, Ill. Release-rigging. No. 1,116,866; Nov. 10; Gaz. vol. 208; p. 527.
- Anderson, Oscar, Newark, N. J. Milking-machine. No. 1,113,942; Oct. 20; Gaz. vol. 207; p. 616.
- Anderson, Oscar, Kearney, N. J. Mechanical milking. No. 1,113,943; Oct. 20; Gaz. vol. 207; p. 617.

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- Anderson, Oscar, Chicago, Ill. Milking-machine. No. 1,118,257; Nov. 24; Gaz. vol. 208; p. 1091.
- Anderson, Oscar, Chicago, Ill. Milking-machine. No. 1,118,258; Nov. 24; Gaz. vol. 208; p. 1091.
- Anderson, Per, Arvika, and E. E. son Odelstierna, Stockholm, Sweden. Reduction of ores by means of peat. No. 1,105,870; Aug. 4; Gaz. vol. 205; p. 100.
- Anderson, Per G., assignor of one-half to F. M. Bathrick and F. J. Palmer, Elkhart, Ind. Wheel. No. 1,084,875; Jan. 20; Gaz. vol. 198; p. 598.
- Anderson, Raymond M. (See Bessom and Anderson.)
- Anderson, Robert, deceased, Cincinnati, Ohio; G. M. Anderson, administrator. Reinforced-concrete floor construction. No. 1,088,956; Mar. 3; Gaz. vol. 200; p. 98.
- Anderson, Robert, assignor to The Ferro Concrete Construction Company, Cincinnati, Ohio. Form work for concrete construction. No. 1,086,343; Feb. 19; Gaz. vol. 199; p. 313.
- Anderson, Robert H., assignor to R. B. Anderson, San Diego, Cal. Device for shifting articles through a narrow doorway. No. 1,086,744; Feb. 10; Gaz. vol. 199; p. 452.
- Anderson, Robert H., assignor to R. B. Anderson, San Diego, Cal. Portable folding bed. No. 1,089,370; Mar. 3; Gaz. vol. 200; p. 236.
- Anderson, Robert H., assignor to R. B. Anderson, San Diego, Cal. Combined wardrobe and bed receptacle. No. 1,110,031; Sept. 8; Gaz. vol. 206; p. 456.
- Anderson, Robert H., Pool, near Leeds, assignor to The Wilanport Company Limited, Leeds, England. Apparatus for applying labels to fabrics at measured distances apart. No. 1,092,556; Apr. 7; Gaz. vol. 201; p. 148.
- Anderson, Roy. (See Jones and Anderson.)
- Anderson, Rufus L., Plant City, Fla. Dental forceps. No. 1,085,235; Jan. 27; Gaz. vol. 198; p. 756.
- Anderson, Ruth B. (See Anderson, Robert H., assignor.)
- Anderson, Samuel C. M., Dallas, Tex. Churn. No. 1,116,001; Nov. 3; Gaz. vol. 208; p. 183.
- Anderson, Samuel W., and G. C. Kaar, Spokane, Wash. Production of lead solutions from lead ore. No. 1,083,910; Jan. 13; Gaz. vol. 198; p. 244.
- Anderson, Samuel W., and G. C. Kaar, Spokane, Wash. Producing lead-nitrate solutions. No. 1,083,911; Jan. 13; Gaz. vol. 198; p. 244.
- Anderson, Sara M., Brooklyn, N. Y. Brace and support for pelvic viscera. No. 1,097,070; May 19; Gaz. vol. 202; p. 728.
- Anderson, Sidney A., Jersey City, N. J. Synchronizing device for addressing and stamp-affixing machines. No. 1,091,470; Mar. 31; Gaz. vol. 200; p. 1121.
- Anderson, Sigurd E., Des Moines, Iowa. Truss or bridge for hoops of silos. No. 1,103,339; July 14; Gaz. vol. 204; p. 436.
- Anderson, Thomas E., Grenada, Miss. Sticky fly-tape. No. 1,099,156; June 9; Gaz. vol. 203; p. 312.
- Anderson, Thyra, Salina, Kans. Invalid-rest. No. 1,103,730; July 14; Gaz. vol. 204; p. 573.
- Anderson, Ulin S., deceased; L. B. Anderson, administratrix, Dallas, Tex. Fuse-block. No. 1,113,528; Oct. 13; Gaz. vol. 207; p. 434.
- Anderson, Vance J., Chicago, Ill. Safety street-car fender. No. 1,102,563; July 7; Gaz. vol. 204; p. 120.
- Anderson, Walter H., assignor to Kino Limited, Wellington, New Zealand. Electric control for kinematograph apparatus. No. 1,103,858; July 14; Gaz. vol. 204; p. 616.
- Anderson, Walter H., assignor to Kino Limited, Wellington, New Zealand. Kinematograph apparatus. No. 1,106,069; Aug. 4; Gaz. vol. 205; p. 169.
- Anderson, Wilber G., and F. P. Coslett, Dennison, Ill. Railway-signal. No. 1,112,966; Oct. 6; Gaz. vol. 207; p. 193.
- Anderson, William, Helensburgh, J. Meikle, Glasgow, and C. W. Fulton, Paisley, Scotland. Furnace. No. 1,085,001; Jan. 20; Gaz. vol. 198; p. 639.
- Anderson, William C., and A. R. Thompson, assignors to Anderson-Barngrover Mfg. Co., San Jose, Cal. Exhaust-box for fruit-canning. No. 1,093,305; Apr. 14; Gaz. vol. 201; p. 442.
- Anderson, William H., Barnard, N. Y. Farm-gate. No. 1,116,867; Nov. 10; Gaz. vol. 208; p. 528.
- Anderson, William H., Washta, Iowa. Farm-gate. No. 1,117,754; Nov. 17; Gaz. vol. 208; p. 879.
- Anderson, William J., Menands, N. Y. Concrete-construction form-brace. No. 1,101,382; June 23; Gaz. vol. 203; p. 1169.
- Anderson, William M., Minneapolis, Minn. Cove-plate for beams and ceilings. No. 1,120,009; Dec. 8; Gaz. vol. 209; p. 417.
- Anderson, William P., assignor to The Ferro Concrete Construction Company, Cincinnati, Ohio. Beam and girder. No. 1,088,676; Mar. 3; Gaz. vol. 200; p. 3.
- Anderson, William P., assignor of one-fourth to P. J. Kolich, Oakland, Cal. Flying-machine. No. 1,092,000; Mar. 31; Gaz. vol. 200; p. 1304.
- Andersson, Gottfrid, Beresford, S. D. Barn structure. No. 1,094,960; Apr. 28; Gaz. vol. 201; p. 1104.
- André, Charles, Lyon, France. Oven. No. 1,083,908; Jan. 13; Gaz. vol. 198; p. 243.
- Andree, Henry, Rossville, assignor of one-half to G. F. Moersberger, Baltimore, Md. Book-holder. No. 1,108,963; Sept. 1; Gaz. vol. 206; p. 37.
- Andrén, August, Brooklyn, N. Y., assignor, by mesne assignments, to Elevator Supply & Repair Company, Chicago, Ill. Signaling apparatus. No. 1,109,950; Sept. 8; Gaz. vol. 206; p. 428.
- Andrén, Birger T., Milwaukee, Wis. Dental instrument. No. 1,091,789; Mar. 31; Gaz. vol. 200; p. 1233.
- Andres, J. Frank, assignor to United States Safety Gas Machine Company, St. Louis, Mo. Carbureter. No. 1,106,070; Aug. 4; Gaz. vol. 205; p. 169.
- Andres, Mattie, St. Louis, Mo. Piston-pump. No. 1,112,187; Sept. 29; Gaz. vol. 206; p. 1328.
- Andresen, Catharina, geb. Clausen, Buschau, near Schleswig, Germany. Device for inflating cushions for invalids' beds, chairs, or the like. No. 1,099,144; June 2; Gaz. vol. 203; p. 263.
- Andresen, Julius C. (See Marten, Grahn, and Andresen.)
- Andrew, Cecil D., Manchester, England. Lath-dog. No. 1,107,566; Aug. 18; Gaz. vol. 205; p. 786.
- Andrew G. Paul Company. (See Kinealy, John H., assignor.)
- Andrew, George W. (See Rigby and Andrew.)
- Andrew, William K. (See Falk and Andrew.)
- Andrews, Arthur A., assignor of one-half to J. G. Weinberg, Rockford, Ill. Street-sweeping machine. No. 1,121,059; Dec. 15; Gaz. vol. 209; p. 836.
- Andrews, Collin C., Auburn, Ind. Apparatus for destroying vermin. No. 1,113,180; Oct. 13; Gaz. vol. 207; p. 307.
- Andrews, David H. (See Ketchum and Andrews.)
- Andrews, Eli J., Richmond, Va. Switch-throwing device. No. 1,108,662; Aug. 25; Gaz. vol. 205; p. 1215.
- Andrews, Elva C., Vermilion, S. D. Open-air sleeping-bed. No. 1,108,060; Aug. 18; Gaz. vol. 205; p. 958.
- Andrews, Ernest J., assignor of one-fourth to G. L. Chindahl, Chicago, Ill. Dynamo-electric machine. No. 1,123,161; Dec. 29; Gaz. vol. 209; p. 1643.
- Andrews, Frank H., Oakland, Cal. Faucet-coupling attachment. No. 1,122,844; Dec. 29; Gaz. vol. 209; p. 1531.
- Andrews, George R. (See Andrews, Robert E. and G. R.)
- Andrews, Jacob R., Bath, Me. Ship's steering system. No. 1,093,964; Apr. 21; Gaz. vol. 201; p. 701.
- Andrews, Jay V., Cyril, Okla. Knee-pad. No. 1,087,863; Feb. 17; Gaz. vol. 199; p. 890.
- Andrews, John W. R., Leominster, Mass. Reclining-chair. No. 1,105,234; July 28; Gaz. vol. 204; p. 1182.
- Andrews, Joseph T. B., Truxno, La. Combined tie and fastener. No. 1,085,720; Feb. 3; Gaz. vol. 199; p. 50.
- Andrews, Martin L., Trowbridge, Pa. Clothes-rack. No. 1,109,275; Sept. 1; Gaz. vol. 206; p. 149.
- Andrews, Omer H. (See Siegle and Andrews.)
- Andrews, Patrick P., Norfolk, Va. Chicken-catcher. No. 1,084,524; Jan. 13; Gaz. vol. 198; p. 447.
- Andrews, Paul I., Kennebunk, Me. Roving-can. No. 1,100,516; June 16; Gaz. vol. 203; p. 817.
- Andrews, Robert E. and G. R., Mount Gilead, N. C. Mop-holder. No. 1,102,849; July 7; Gaz. vol. 204; p. 219.
- Andrews, Robert E., Mount Gilead, N. C., and G. R. Andrews, New York, N. Y. Mop-holder. No. 1,110,981; Sept. 15; Gaz. vol. 206; p. 832.
- Andrews, Samuel B. (See Briggs and Smith, assignors.)
- Andrews, William A. (See Hines, Curry, Miskelly, and Marshall, assignors.)
- Andrews, William E., assignor of one-half to W. A. Stellers, Bellaire, Ohio. Electric welding-machine. No. 1,115,461; Oct. 27; Gaz. vol. 207; p. 1202.
- Andrews, William F., Worcester, Mass., assignor of one-half to G. Roper, Brooklyn, N. Y. Hydraulic rotary engine. No. 1,106,023; Aug. 4; Gaz. vol. 205; p. 153.
- Andrews, William H., Atlanta, Ga. Fruit-picker. No. 1,093,097; Apr. 14; Gaz. vol. 201; p. 369.
- Andrews Wire & Iron Works. (See Dennis, Elmer L., assignor.)
- Andrick, Wallace P. (See Mack and Andrick.)
- Andrus, Burton L., Washington, D. C. Lock for mail-bags. No. 1,103,015; July 7; Gaz. vol. 204; p. 275.
- Andruszkiewicz, Frank, Easthampton, Mass. Sled. No. 1,110,525; Sept. 15; Gaz. vol. 206; p. 673.
- Andruszkiewicz, Frank, Easthampton, Mass. Wrench. No. 1,115,372; Oct. 27; Gaz. vol. 207; p. 1172.
- Anft, Paul, Pössneck, Germany. Toy building-block. No. 1,084,597; Jan. 20; Gaz. vol. 198; p. 501.
- Angebrandt, Hubert, Jr., Toledo, Ohio. Device for oiling ball-bearings. No. 1,099,870; June 9; Gaz. vol. 203; p. 557.
- Angebrandt, Hubert, Jr., assignor to The Advance Machinery Company, Toledo, Ohio. Glue-converter. No. 1,085,782; Feb. 3; Gaz. vol. 199; p. 74.
- Angel, Albert. (See Burrell, Lory W., assignor.)
- Angell, Edmund R., Derry, N. H. Acetylene-generator. No. 1,089,355; Mar. 3; Gaz. vol. 200; p. 232.
- Angell, Edmund R., Derry, N. H. Acetylene-generator. No. 1,111,726; Sept. 29; Gaz. vol. 206; p. 1167.
- Angell, Edwin E., Somerville, Mass. Water-level gage for pails. No. 1,089,522; Mar. 10; Gaz. vol. 200; p. 340.

Alphabetical list of patentees—Continued.

- Angell, Edwin E., Somerville, Mass. Ink-font. No. 1,104,861; July 28; Gaz. vol. 204; p. 1052.
- Angell, George W., Grand Rapids, Mich. Adjustable table. No. 1,091,615; Mar. 31; Gaz. vol. 200; p. 1171.
- Angell, John E., St. Louis, Mo. Electrical chemical-testing system. No. 1,089,030; Mar. 3; Gaz. vol. 200; p. 122.
- Angell, John E., St. Louis, Mo. Boiler. No. 1,114,093; Oct. 20; Gaz. vol. 207; p. 670.
- Angell, Otis R., Boston, Mass. Self-lighting gas-lighter. No. 1,111,939; Sept. 29; Gaz. vol. 206; p. 1244.
- Angell, William H., Cashion, Ariz. Combined step-ladder and ironing-board. No. 1,111,818; Sept. 29; Gaz. vol. 206; p. 1203.
- Anger, John E., Preston, England. Slack-adjuster. No. 1,099,145; June 2; Gaz. vol. 203; p. 263.
- Angerer, Victor, Ridley Park, assignor to William Wharton, Jr., & Company, Incorporated, Philadelphia, Pa. Railway-crossing. No. 1,116,199; Nov. 3; Gaz. vol. 208; p. 251.
- Angerer, Victor, Ridley Park, assignor to William Wharton, Jr., & Company, Incorporated, Philadelphia, Pa. Combined brace and tie-plate. No. 1,118,836; Nov. 24; Gaz. vol. 208; p. 1293.
- Angerer, Victor, Ridley Park, and A. B. Davenport, Jr., assignors to William Wharton, Jr., & Company, Incorporated, Philadelphia, Pa. Tongue-switch. No. 1,084,525; Jan. 13; Gaz. vol. 198; p. 447.
- Angevine, Zenus C., Longbeach, Cal. Collapsible bed. No. 1,101,481; June 23; Gaz. vol. 203; p. 1203.
- Anglada Company, The. (See Anglada, Joseph A., assignor.)
- Anglada, Joseph A., New York, N. Y., assignor to The Anglada Company. Demountable rim. No. 1,087,628; Feb. 17; Gaz. vol. 199; p. 810.
- Anglada, Joseph A., New York, N. Y., assignor, by mesne assignments, to Universal Rim Company, Chicago, Ill. Vehicle wheel-rim. No. 1,095,770; May 5; Gaz. vol. 202; p. 205.
- Anglada, Joseph A., New York, N. Y., assignor, by mesne assignments, to Universal Rim Company, Chicago, Ill. Vehicle wheel-rim. No. 1,095,771; May 5; Gaz. vol. 202; p. 205.
- Anglada, Joseph A., New York, N. Y., assignor, by mesne assignments, to Universal Rim Company, Chicago, Ill. Vehicle wheel-rim. No. 1,095,772; May 5; Gaz. vol. 202; p. 205.
- Anglada, Joseph A., New York, N. Y., assignor, by mesne assignments, to Universal Rim Company, Chicago, Ill. Vehicle wheel-rim. No. 1,100,815; June 23; Gaz. vol. 203; p. 973.
- Anglada, Joseph A., New York, N. Y., assignor, by mesne assignments, to Universal Rim Company, Chicago, Ill. Vehicle wheel-rim. No. 1,100,861; June 23; Gaz. vol. 203; p. 989.
- Angle, Edward H., New London, Conn., and A. H. Ketcham, Denver, Colo. Annealing and tempering apparatus. No. 1,112,750; Oct. 6; Gaz. vol. 207; p. 120.
- Anglo-American Patent Bottle Company Limited, The. (See Ullman, Jacob A., assignor.)
- Anglo-California Trust Company, The, trustee. (See Myers, Louis E., assignor.)
- Angresius, Roman E. V., Newark, N. J. Suppository. No. 1,096,884; May 19; Gaz. vol. 202; p. 661.
- Anheuser-Busch Brewing Association. (See Nolden, Paul E., assignor.)
- Anker-Holth, Severin C., Port Huron, Mich. Thrust-bearing. No. 1,096,524; May 12; Gaz. vol. 202; p. 496.
- Anklam, William F., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp. No. 1,089,387; Mar. 10; Gaz. vol. 200; p. 289.
- Anklam, William F., assignor to C. M. Hall Lamp Company, Detroit, Mich. Vehicle-lamp. No. 1,123,205; Dec. 29; Gaz. vol. 209; p. 1659.
- Ann Arbor Machine Company. (See Hanson, Hans J., assignor.) (Reissue.)
- Annable, Warren W., assignor of one-tenth to D. W. Tower, Grand Rapids, Mich. Automatic clutch. No. 1,114,716; Oct. 27; Gaz. vol. 207; p. 941.
- Annable, Warren W., assignor of four-twentieths to F. Z. Pantlind, one-twentieth to P. A. Jones, one-twentieth to T. Friant, and one-twentieth to T. S. White, Grand Rapids, Mich. Gearing for axles of automobiles. No. 1,104,160; July 21; Gaz. vol. 204; p. 760.
- Annand, Robert C., South Shields, England. Apparatus for the manufacture of curved stereotype-plates. No. 1,117,151; Nov. 17; Gaz. vol. 208; p. 664.
- Annis, John H., Hillsboro, N. H., assignor of one-half to C. F. Tresca, Jacksonville, Fla. Railway-spike. No. 1,112,588; Oct. 6; Gaz. vol. 207; p. 64.
- Annis, Richard H., London, England. Locking-bar and sheeting for constructional work. No. 1,098,077; May 26; Gaz. vol. 202; p. 1125.
- Ans, Charles, New York, N. Y. Book-leaves slotter for bookbinding. No. 1,105,056; July 28; Gaz. vol. 204; p. 1120.
- Anschütz-Kaempfe, Hermann, Neumühlen, near Kiel, Germany. Gyroscope-compass. No. 1,092,816; Apr. 14; Gaz. vol. 201; p. 273.
- Anschutz, Rudolph A., Spokane, Wash. Live-bait retainer. No. 1,105,172; July 28; Gaz. vol. 204; p. 1159.
- Ansell, Louis S., and C. Speer, Huntington, W. Va. Washing-machine. No. 1,115,373; Oct. 27; Gaz. vol. 207; p. 1172.
- Ansley, Thomas, Lowry City, Mo. Rail-joint. No. 1,109,951; Sept. 8; Gaz. vol. 206; p. 429.
- Anson, Joseph, assignor of one-half to S. Wellington, Madoc, Ontario, Canada. Single or reversible broom, brush, and mop. No. 1,116,200; Nov. 3; Gaz. vol. 208; p. 251.
- Ansonia Clock Company, The. (See Treganza, Howard J., assignor.)
- Antelotti, Frank J., Norfolk, Va. Inking-disk for printing-presses. No. 1,086,263; Feb. 3; Gaz. vol. 199; p. 240.
- Anthony Company, The. (See Sherman, Louis A., assignor.)
- Anthony, Edgar W. (See Barber, William M., assignor.)
- Anthony, Harry W., and C. M. Gerhard, Strausstown, Pa. Automatic stopping mechanism for knitting-machines. No. 1,097,503; May 19; Gaz. vol. 202; p. 878.
- Anthony, Howard E. (See Cadwallader and Anthony.)
- Anthony, James T., East Orange, N. J., assignor to American Arch Company, New York, N. Y. Locomotive-boiler fire-box. No. 1,118,615; Nov. 24; Gaz. vol. 208; p. 1219.
- Anthony, John, and T. J. Pirrung, assignors to The Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio. Wheel-mounting. No. 1,116,362; Nov. 10; Gaz. vol. 208; p. 345.
- Anthony, John A., Charleston, S. C. Brake-operating device. No. 1,109,501; Sept. 1; Gaz. vol. 206; p. 226.
- Anthony, Noel L., Cranston, R. I. Egg-opener. No. 1,097,283; May 19; Gaz. vol. 202; p. 803.
- Anthony, William F., Cleveland, Ohio. Fishing-float. No. 1,112,049; Sept. 29; Gaz. vol. 206; p. 1280.
- Anti-Friction Roller Bearing Company. (See Sharpneck, Eliel L., assignor.)
- Anticevich, Nikola. (See Bernath, George, assignor.)
- Antill, Charles W., and W. L. Schmolle; said Schmolle assignor to Antill Patent Window Company, San Francisco, Cal. Lock for sliding windows. No. 1,116,531; Nov. 10; Gaz. vol. 208; p. 405.
- Antill Patent Window Company. (See Antill and Schmolle, assignors.)
- Antisdale, Edwin S., Chicago, Ill. Cuff protector or hook. No. 1,089,738; Mar. 10; Gaz. vol. 200; p. 413.
- Antoine, Aloise and E., Passaic, N. J. Machine for printing clothing-tickets. No. 1,106,178; Aug. 4; Gaz. vol. 205; p. 207.
- Antoine, Aloise, and J. Roos, Passaic, N. J. Truck. No. 1,109,654; Sept. 8; Gaz. vol. 206; p. 321.
- Antoine, Ernest. (See Antoine, Aloise and E.)
- Anton, Frederick A., Topeka, Kans. Awning-arm. No. 1,118,463; Nov. 24; Gaz. vol. 208; p. 1166.
- Anton, Frenk. (See Halinka and Anton.)
- Antone, John, San Francisco, Cal. Paper-towel cabinet. No. 1,084,598; Jan. 20; Gaz. vol. 198; p. 501.
- Antonuccio, Frank, Stockton, Cal. Water-heater. No. 1,090,512; Mar. 17; Gaz. vol. 200; p. 724.
- Antrim, George D., Dayton, Ohio. Insulating-door. No. 1,084,835; Jan. 20; Gaz. vol. 198; p. 584.
- Anway, Clifton L., Parsons, Kans. Combined classification signal and marker. No. 1,099,633; June 9; Gaz. vol. 203; p. 477.
- Anzelewitz, Abraham, Antwerp, Belgium. Needle-threading device for sewing-machines. No. 1,107,873; Aug. 18; Gaz. vol. 205; p. 893.
- Anzelewitz, Alexander A., New York, N. Y. Saliva-ejector. No. 1,116,868; Nov. 10; Gaz. vol. 208; p. 523.
- Apell, Leonard, Stillwater, Minn. Folding berry-box. No. 1,122,054; Dec. 22; Gaz. vol. 209; p. 1220.
- Apfelbaum, Frederick A., New York, N. Y. Stereopticon-slide carrier. No. 1,116,201; Nov. 3; Gaz. vol. 208; p. 251.
- Apgar, Marshall F., assignor to Taylor Iron & Steel Company, High Bridge, N. J. Portable grinder. No. 1,085,840; Feb. 3; Gaz. vol. 199; p. 93.
- Apgar, Thomas S., assignor of one-fourth to O. Kirk, one-fourth to J. Lorenz, one-eighth to G. Russell, Robinson, and one-eighth to D. E. Perham, Chicago, Ill. Underreamer. No. 1,116,969; Nov. 10; Gaz. vol. 208; p. 561.
- Apoll, Jacob, Hammond, Ind. Fastener. No. 1,106,534; Aug. 11; Gaz. vol. 205; p. 375.
- Apozanski, Joseph, assignor to Stanislaw & Georgij Gaszynski Bros., Apozanski & Co., Moscow, Russia. Making electrodes for secondary batteries. No. 1,114,667; Oct. 20; Gaz. vol. 207; p. 871.
- App, Roscoe J., Bangor, Pa. Tellurian. No. 1,093,024; Apr. 14; Gaz. vol. 201; p. 342.
- Appel, Moses, Johnstown, Pa. Condenser for zinc-vapors. No. 1,103,123; July 14; Gaz. vol. 204; p. 361.
- Appell, Edward A., New York, N. Y. Liquid-measuring device. No. 1,094,291; Apr. 21; Gaz. vol. 201; p. 809.
- Appelman, Samuel H., Bloomsburg, Pa. Calk attachment for crutches. No. 1,090,960; Mar. 24; Gaz. vol. 200; p. 906.
- Appas, Clarence S., Moline, Ill. Vehicle top support and holder. No. 1,097,159; May 19; Gaz. vol. 202; p. 759.
- Appas, Clarence S., Moline, Ill. Vehicle-curtain. No. 1,110,857; Sept. 15; Gaz. vol. 206; p. 790.
- Appas, Clarence S., Moline, Ill. Finger-ring guard. No. 1,115,764; Nov. 3; Gaz. vol. 208; p. 100.

Alphabetical list of patentees—Continued.

- Apple Electric Company, The. (See Apple, Vincent G., assignor.)
- Apple Electric Company, The. (See Apple and Sayre, assignors.)
- Apple, Oliver C., Urbana, Ohio. Stock-rack. No. 1,114,094; Oct. 20; Gaz. vol. 207; p. 670.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. Speed-reduction gearing. No. 1,089,181; Mar. 3; Gaz. vol. 200; p. 177.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. System of regulation for dynamo-electric machines. No. 1,091,420; Mar. 24; Gaz. vol. 200; p. 1059.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. Potential-regulator for dynamo-electric machines. No. 1,100,340; June 16; Gaz. vol. 203; p. 757.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. Means for starting and controlling internal-combustion engines. No. 1,104,467; July 21; Gaz. vol. 204; p. 866.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. Lamp-socket. No. 1,110,099; Sept. 8; Gaz. vol. 206; p. 482.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. Electrical distribution system for automobile control. No. 1,115,154; Oct. 27; Gaz. vol. 207; p. 1098.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. Power-transmitting mechanism. No. 1,116,970; Nov. 10; Gaz. vol. 208; p. 562.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. Power-transmission device. No. 1,118,616; Nov. 24; Gaz. vol. 208; p. 1220.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. Power-transmission gearing. No. 1,118,617; Nov. 24; Gaz. vol. 208; p. 1220.
- Apple, Vincent G., and G. B. Sayre, assignors to The Apple Electric Company, Dayton, Ohio. Indicator. No. 1,100,341; June 16; Gaz. vol. 203; p. 757.
- Appleby, James P., assignor to Johnston & Sharp Manufacturing Company, Ottumwa, Iowa. Machine for making solid balls. No. 1,101,675; June 30; Gaz. vol. 203; p. 1322.
- Appleby, John F., assignor to Dixie Cotton Picker Company, Chicago, Ill. Harvester. No. 1,105,235; July 28; Gaz. vol. 204; p. 1182.
- Appleby, John F., assignor, by mesne assignments, to Bullock Tractor Company, Chicago, Ill. Vehicle. No. 1,107,874; Aug. 18; Gaz. vol. 205; p. 894.
- Appleby, Thomas, Philadelphia, Pa. Electrolytic-cleaning electrode. No. 1,093,236; Apr. 14; Gaz. vol. 201; p. 417.
- Appleby, William, Napa, Cal. Reinforced concrete construction. No. 1,102,122; June 30; Gaz. vol. 203; p. 1480.
- Appleby, William H., Chicago, Ill. Lock for vehicle-doors. No. 1,113,529; Oct. 13; Gaz. vol. 207; p. 434.
- Applegate, Lee R., Spokane, assignor to Utility Manufacturing Company, Seattle, Wash. Rotary cutter. No. 1,099,900; June 9; Gaz. vol. 203; p. 568.
- Appleman, Ernest E., Jasper, Tex. Double-action hair-clipper. No. 1,086,979; Feb. 10; Gaz. vol. 199; p. 532.
- Appler, A. Benjamin. (See Martineau and Appler.)
- Appler, Grafton W., Lyons, N. Y. Refillable fuse-cartridge. No. 1,093,164; Apr. 14; Gaz. vol. 201; p. 392.
- Appleton, Albert I., assignor to Appleton Electric Company, Chicago, Ill. Junction-box. No. 1,119,057; Dec. 1; Gaz. vol. 209; p. 56.
- Appleton, Burm S., Eddy, Okla. Door opening and closing mechanism. No. 1,085,657; Feb. 3; Gaz. vol. 199; p. 27.
- Appleton Electric Company. (See Appleton, Albert I., assignor.)
- Applewhite, James A., assignor of one-half to W. E. Redford, Boyd, Tex. Pipe system for discharging waste water from refrigerator-cars. No. 1,104,953; July 28; Gaz. vol. 204; p. 1084.
- Applin, Eby R., Waupun, Wis. Stocking drying and shaping form. No. 1,103,245; July 14; Gaz. vol. 204; p. 405.
- Appling, Abram, assignor of one-half to W. Waiters, Augusta, Ga. Shutter operator and latch. No. 1,123,064; Dec. 29; Gaz. vol. 209; p. 1608.
- Apsley Rubber Company. (See Hill, William G., assignor.)
- Aqua Gas Company. (See Wade, Henry C., assignor.)
- Arbenz, Wilhelm U., Gleiwitz, and O. Kammerer, Charlottenburg, Germany. Rail-track-slewing machine. No. 1,100,006; June 16; Gaz. vol. 203; p. 642.
- Arbetter Felling Machine Company. (See Bailey, William E., assignor.)
- Arbogast, Charles V., Stowe township, Allegheny county, Pa. Combined neck-ring and former for making hollow glassware. No. 1,108,964; Sept. 1; Gaz. vol. 206; p. 37.
- Arbogast, William H., Arbovale, W. Va. Shade-hanger. No. 1,119,485; Dec. 1; Gaz. vol. 209; p. 202.
- Arbon, Paul. (See Knight, William L., assignor.)
- Arbon, Paul, *et al.* (See Lawson, Samuel C., assignor.)
- Arbon, Paul, Tulsa, Okla. Rope-clamp. No. 1,083,478; Jan. 6; Gaz. vol. 198; p. 73.
- Arcade Manufacturing Company. (See Perkins, Floyd N., assignor.)
- Arcade Manufacturing Company. (See Tscherning, Henry, assignor.)
- Archambault, Arthur J., Chicago, Ill. Plumber's furnace. No. 1,090,009; Mar. 10; Gaz. vol. 200; p. 506.
- Archambault, Charles. (See Pons and Archambault.)
- Archer, Alfred, Auburndale, Mass., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,115,155; Oct. 27; Gaz. vol. 207; p. 1098.
- Archer Iron Works. (See Clark, Lawrence A., assignor.)
- Archer, John. (See Jardine and Archer.)
- Archer, Joseph A., Walsall, England. Watch-wristlet. No. 1,100,281; June 16; Gaz. vol. 203; p. 737.
- Archey, Cleveland J., Mount Victory, Ohio. Wrench. No. 1,096,663; May 12; Gaz. vol. 202; p. 542.
- Archibald, Cora H., East Las Vegas, N. Mex. Massage appliance. No. 1,111,427; Sept. 22; Gaz. vol. 206; p. 1029.
- Archibald, Cora H., East Las Vegas, assignor of one-half to J. A. Aldrich, Gallup, N. Mex. Facial supporter. No. 1,113,732; Oct. 13; Gaz. vol. 207; p. 503.
- Archibald, Everett H., Methuen, assignor to Archibald Wheel Company, Lawrence, Mass. Manufacture of wheels. No. 1,098,007; May 26; Gaz. vol. 202; p. 1101.
- Archibald Wheel Company. (See Archibald, Everett H., assignor.)
- Archment, Robert. (See Engelson and Archment.)
- Arctic Ice Machine Company, The. (See Neff, Cole, and Ebersole, assignors.)
- Arden, Thomas R., Philadelphia, Pa., assignor to The S. S. White Dental Manufacturing Company. Dental crown-post extractor. No. 1,102,850; July 7; Gaz. vol. 204; p. 219.
- Ardito, Giovanni, assignor of one-half to J. Figallo, Hoboken, N. J. Adjustable shade-support. No. 1,113,181; Oct. 13; Gaz. vol. 207; p. 308.
- Arend, Francis J., *et al.* (See Berrigan, John J., assignor.)
- Arndell, Mitchell B., McAlester, Okla. Pessary. No. 1,113,083; Oct. 6; Gaz. vol. 207; p. 231.
- Arens, August, assignor to The American Hardware Corporation, New Britain, Conn. Controlling means for swinging closures. No. 1,094,961; Apr. 28; Gaz. vol. 201; p. 1104.
- Arens, August, and J. R. Fletcher, assignors to The American Hardware Corporation, New Britain, Conn. Fire-door lock. No. 1,094,962; Apr. 28; Gaz. vol. 201; p. 1105.
- Arens, Lloyd H. (See Adam and Arens.)
- Arens, Matthew W. (See Schmidt and Arens.)
- Areson, Thomas, New York, N. Y. Fire-extinguisher. No. 1,106,327; Aug. 4; Gaz. vol. 205; p. 255.
- Arey, Fred C., Oak Park, assignor to Northwestern Expanded Metal Company, Chicago, Ill. Machine for expanding sheet metal. No. 1,090,961; Mar. 24; Gaz. vol. 200; p. 906.
- Arey, Fred C., Oak Park, assignor to Northwestern Expanded Metal Company, Chicago, Ill. Trussed expanded metal. No. 1,092,325; Apr. 7; Gaz. vol. 201; p. 71.
- Argast, Fred J., Moffit, N. D. Rake. No. 1,113,084; Oct. 6; Gaz. vol. 207; p. 231.
- Ariens, Henry, assignor to Brillion Iron Works, Brillion, Wis. Portable container. (Reissue.) No. 13,813; Oct. 27; Gaz. vol. 207; p. 1207.
- Aristo Company. (See Kohler, Jacob C., assignor.)
- Aristo Company. (See Linder, Ellis, assignor.)
- Arita, Moto, Boston, Mass. Collar-fastener. No. 1,097,504; May 19; Gaz. vol. 202; p. 878.
- Ariti, Eugene, *et al.* (See Cecchini, Robert, assignor.)
- Arizona Automatic Air Association. (See Canion, William G., assignor.)
- Arkell, Thomas R., *et al.* (See Young, Charles M., assignor.)
- Arlington Company, The. (See Wieland, Friedrich, assignor.)
- Arlitz, Oscar C., New York, N. Y., assignor to Lovell-McConnell Manufacturing Company. Mechanical horn. No. 1,110,032; Sept. 8; Gaz. vol. 206; p. 457.
- Armat, Thomas, Washington, D. C. Motion-picture apparatus. No. 1,112,751; Oct. 6; Gaz. vol. 207; p. 121.
- Armbruster, Edward J., and J. E. Dempsey, assignors to International Inventing and Promoting Company, Seattle, Wash. Time-printing machine. No. 1,098,607; June 2; Gaz. vol. 203; p. 86.
- Armer, Benjamin. (See Wohlander, Charles J., assignor.)
- Armistead, William E. (See Villard, Richard H., assignor.)
- Armistead, William E. (See Woodbury, Roy J., assignor.)
- Armitage, George, Missoula, Mont. Knife. No. 1,095,617; May 5; Gaz. vol. 202; p. 152.
- Armitage, William G., assignor to American Car and Foundry Company, St. Louis, Mo. Uncoupling device. No. 1,097,963; May 26; Gaz. vol. 202; p. 1086.
- Armon, Joseph P., Chicago, Ill. Vehicle-jack. No. 1,092,001; Mar. 31; Gaz. vol. 200; p. 1304.
- Armor, James L., and W. J. Varner, Soddy, Tenn. Paper-bag holder. No. 1,094,511; Apr. 28; Gaz. vol. 201; p. 944.
- Armsburger, F. H., *et al.* (See Lytle, Harry R., assignor.)
- Armspear Manufacturing Company. (See Spear, Furman D., assignor.)
- Armstrong, Adelbert. (See Johnson, Frank B., assignor.)
- Armstrong, Andrew. (See Byron and Armstrong.)

Alphabetical list of patentees—Continued.

- Armstrong-Blum Manufacturing Company. (See Blum, George J., assignor.)
- Armstrong Bros. Tool Company. (See Turner, Harry, assignor.)
- Armstrong, Charles, assignor of one-half to W. B. Davis, Lewis, Iowa. Weed-cutting attachment for cultivators. No. 1,092,002; Mar. 31; Gaz. vol. 200; p. 1305.
- Armstrong, Charles G. (See Almirall and Armstrong.)
- Armstrong, Charles G. (See Southworth and Armstrong.)
- Armstrong, Charles H., Bridgeport, Conn. Attachable ratchet for die-stocks. No. 1,106,535; Aug. 11; Gaz. vol. 205; p. 375.
- Armstrong, Charles H., Bridgeport, Conn. Saw-guide for gas-pipes. No. 1,109,952; Sept. 8; Gaz. vol. 206; p. 429.
- Armstrong Cork Company. (See Busch, Herman F., assignor.)
- Armstrong Cork Company. (See Lamson, Paul W., assignor.)
- Armstrong Cork Company. (See Paschke, Herbert, assignor.)
- Armstrong, Edwin H., Yonkers, N. Y. Wireless receiving system. No. 1,113,149; Oct. 6; Gaz. vol. 207; p. 254.
- Armstrong, Ernest, Camden, N. J., assignor to General Lubricating Company, New York, N. Y. Lubricating device. No. 1,089,031; Mar. 3; Gaz. vol. 200; p. 122.
- Armstrong, Ernest, Camden, N. J., assignor to General Lubricating Company, New York, N. Y. Lubricating device. No. 1,089,032; Mar. 3; Gaz. vol. 200; p. 123.
- Armstrong, Floyd, Geneva, Ohio. Screen-door hinge. No. 1,095,065; Apr. 28; Gaz. vol. 201; p. 1139.
- Armstrong, Harry Y., Elgin, Ill., assignor, by mesne assignments, to Package Machinery Company. Machine for wrapping and grouping articles. No. 1,121,155; Dec. 15; Gaz. vol. 209; p. 872.
- Armstrong, Haskell R., Peoria, Ill. Pneumatic tire. No. 1,109,101; Sept. 1; Gaz. vol. 206; p. 86.
- Armstrong, Henry A., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,092,813; Apr. 7; Gaz. vol. 201; p. 236.
- Armstrong, Henry A., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,101,383; June 23; Gaz. vol. 203; p. 1169.
- Armstrong, Henry A., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,106,610; Aug. 11; Gaz. vol. 205; p. 403.
- Armstrong, Henry A., Brooklyn, assignor to International Typesetting Machine Company, New York, N. Y. Line-stop for line-casting machines. No. 1,108,825; Aug. 25; Gaz. vol. 205; p. 1270.
- Armstrong, Henry A., Brooklyn, assignor to International Typesetting Machine Company, New York, N. Y. Line composing and casting machine. No. 1,108,826; Aug. 25; Gaz. vol. 205; p. 1270.
- Armstrong, Henry H., Fort Spunky, Tex. Wire-stretcher. No. 1,094,410; Apr. 28; Gaz. vol. 201; p. 909.
- Armstrong, James, and A. F. Smith, Kansas City, Mo. Fastening for the lids to the manholes in catch-basins. No. 1,097,786; May 26; Gaz. vol. 202; p. 1022.
- Armstrong, John A., London, England. Dirigible airship and the like. No. 1,109,502; Sept. 1; Gaz. vol. 206; p. 227.
- Armstrong, John R., Cranston, R. I. Nut-lock construction. No. 1,088,253; Feb. 24; Gaz. vol. 199; p. 1072.
- Armstrong, Joseph F., assignor of one-half to M. Sternick, New York, N. Y. Window sash and frame. No. 1,117,755; Nov. 17; Gaz. vol. 208; p. 880.
- Armstrong Manufacturing Company, The. (See Sanford, Frank C., assignor.)
- Armstrong, Nettie. (See Bosdevex, Edmond F., assignor.)
- Armstrong Paint and Varnish Works. (See Chapin, Arthur B., assignor.)
- Armstrong, Paul, New York, N. Y. Calendar. No. 1,110,858; Sept. 15; Gaz. vol. 206; p. 790.
- Armstrong, Paul, New York, N. Y. Calendar. No. 1,117,756; Nov. 17; Gaz. vol. 208; p. 880.
- Armstrong, Ralph A., Atlanta, Ga. Screw-driver attachment. No. 1,116,532; Nov. 10; Gaz. vol. 208; p. 406.
- Armstrong, William B., and B. Johnson, Sigourney, Iowa. Pig-forceps. No. 1,090,010; Mar. 10; Gaz. vol. 200; p. 506.
- Armstrong, William E., assignor to Harland & Wolff, Limited, Belfast, Ireland. Apparatus for raising, lowering, and storing ships' boats. No. 1,090,962; Mar. 24; Gaz. vol. 200; p. 907.
- Armstrong, William E., assignor to Harland and Wolff, Limited, Belfast, Ireland. Apparatus for working water-tight doors. No. 1,101,676; June 30; Gaz. vol. 203; p. 1322.
- Armstrong, William P., Washington, D. C., assignor to The Strong Arm Manufacturing Company, Incorporated. Wrestling exercising device. No. 1,099,417; June 9; Gaz. vol. 203; p. 404.
- Armstrong, William T., Canton, Minn. Shaft attachment. No. 1,110,176; Sept. 8; Gaz. vol. 206; p. 510.
- Armstrong, Willis, Cerro Gordo, Ill. Rail-joint. No. 1,092,003; Mar. 31; Gaz. vol. 200; p. 1305.
- Armstrong, Willis, Cerro Gordo, Ill. Cap for drain-tiles. No. 1,103,391; July 14; Gaz. vol. 201; p. 452.
- Arndt, Charles W., Hutchinson, Kans. Valve for water-tanks. No. 1,093,165; Apr. 14; Gaz. vol. 201; p. 393.
- Arndt, Franklin E., Galion, Ohio. Burial-vault. No. 1,104,604; July 21; Gaz. vol. 204; p. 915.
- Arndt, Franklin E., Galion, Ohio, assignor to Galion Iron Works. Culvert. No. 1,096,985; May 19; Gaz. vol. 202; p. 697.
- Arndt, Franklin E., assignor to The Galion Iron Works & Manufacturing Company, Galion, Ohio. Hand-wheel locking device or brake. No. 1,105,236; July 28; Gaz. vol. 204; p. 1183.
- Arnett, Louis W., *et al.* (See Ricke, George H., assignor.)
- Arnfield, Thomas O., and W. Booth, New Mills, England. Beetling-machine. No. 1,090,590; Mar. 17; Gaz. vol. 200; p. 750.
- Arnn, William H., Lynnville, Ky. Seed-planter. No. 1,095,773; May 5; Gaz. vol. 202; p. 206.
- Arnold, Albert A., Chicago, Ill. Box-cover. No. 1,085,188; Jan. 27; Gaz. vol. 198; p. 740.
- Arnold, Arden A. (See Engle and Arnold.)
- Arnold, Claris H., Eaton Rapids, Mich. Egg-crate. No. 1,115,270; Oct. 27; Gaz. vol. 207; p. 1138.
- Arnold, Edgar E., Sandwich, Ill. Poultry-coop. No. 1,084,836; Jan. 20; Gaz. vol. 198; p. 585.
- Arnold, Eduard, Berlin, Germany. Rink. No. 1,094,411; Apr. 28; Gaz. vol. 201; p. 909.
- Arnold, Edward G., Beeston, and A. O. Atkin, Long Eaton, England. Haulage-clip for rope-haulage railways. No. 1,086,264; Feb. 3; Gaz. vol. 199; p. 240.
- Arnold Electric Company. (See Arnold, George A., assignor.)
- Arnold, Emmer B., Los Angeles, Cal. Trap. No. 1,108,870; Aug. 25; Gaz. vol. 205; p. 1287.
- Arnold, Frank K., assignor to Nashua Card Gummed & Coated Paper Company, Nashua, N. H. Paper-feeder. No. 1,104,741; July 21; Gaz. vol. 204; p. 961.
- Arnold, Frank K., assignor to Nashua Card Gummed & Coated Paper Company, Nashua, N. H. Machine for making paper-tube sections. No. 1,104,742; July 21; Gaz. vol. 204; p. 962.
- Arnold, Frank M., Clarion, Pa. Support for rugs to be cleaned. No. 1,103,019; July 14; Gaz. vol. 204; p. 325.
- Arnold, Frank P., Carbondale, Pa., and G. F. Wedeman, Washington, D. C. Means for treating ores. No. 1,104,239; July 21; Gaz. vol. 204; p. 787.
- Arnold, Frank P., Carbondale, Pa., and G. F. Wedeman, Washington, D. C. Treating ores. No. 1,104,287; July 21; Gaz. vol. 204; p. 804.
- Arnold, George A., Middletown, Conn., assignor to Arnold Electric Company. Electric heater. No. 1,093,237; Apr. 14; Gaz. vol. 201; p. 417.
- Arnold, Hans, Charlottenburg, assignor to Firm of Dr. O. Knöder & Co., Plotzensee, near Berlin, Germany. Manufacturing utensils and the like from the oxides of the rare earths, thorium oxid, zirconium oxid, and the like. No. 1,121,889; Dec. 22; Gaz. vol. 209; p. 1162.
- Arnold, Hans, Charlottenburg, assignor to Firm of Dr. O. Knöder & Co., Plotzensee, near Berlin, Germany. Manufacturing utensils and the like from the oxides of the rare earths, thorium oxid, zirconium oxid, and the like. No. 1,121,890; Dec. 22; Gaz. vol. 209; p. 1162.
- Arnold, Harold D., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Electric relay. No. 1,114,845; Oct. 27; Gaz. vol. 207; p. 988.
- Arnold, Harold D., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Alternating-current generator. No. 1,118,174; Nov. 24; Gaz. vol. 208; p. 1063.
- Arnold, Harold D., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Electric relay apparatus. No. 1,118,175; Nov. 24; Gaz. vol. 208; p. 1063.
- Arnold, Harold D., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Negative-resistance repeater. No. 1,118,176; Nov. 24; Gaz. vol. 208; p. 1063.
- Arnold, Harold D., Belleville, N. J., assignor to Western Electric Company, New York, N. Y. Reproducing electrical variations. No. 1,118,172; Nov. 24; Gaz. vol. 208; p. 1062.
- Arnold, Harold D., Belleville, N. J., assignor to Western Electric Company, New York, N. Y. Electric relay. No. 1,118,173; Nov. 24; Gaz. vol. 208; p. 1062.
- Arnold, Harry B., assignor to The National Spring Bed Company, New Britain, Conn. Hammock-support. No. 1,099,906; June 16; Gaz. vol. 203; p. 607.
- Arnold, Henry F., Hyde Park, assignor to American Tool & Machine Company, Boston, Mass. Clutch mechanism. No. 1,119,385; Dec. 1; Gaz. vol. 209; p. 168.
- Arnold, Lewis E., assignor to Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. Apparatus for sterilizing canned goods. No. 1,088,957; Mar. 3; Gaz. vol. 200; p. 98.
- Arnold, Lowry. (See Cox and Arnold.)
- Arnold, Lydia F. B., Oshkosh, Wis. Collapsible rack. No. 1,109,953; Sept. 8; Gaz. vol. 206; p. 429.
- Arnold, Mason C., Hastings, Nebr. Switch. No. 1,119,670; Dec. 1; Gaz. vol. 209; p. 265.
- Arnold, Matthew H., Butte, Mont. Lubricating device. No. 1,111,124; Sept. 22; Gaz. vol. 206; p. 925.
- Arnold, Oscar M., New York, N. Y. Display-rack. No. 1,108,061; Aug. 18; Gaz. vol. 205; p. 958.

Alphabetical list of patentees—Continued.

- Arnold, Samuel C., assignor to The Denver Quartz Mill and Crusher Company, Denver, Colo. Rock-crusher. No. 1,109,158; Sept. 1; Gaz. vol. 206; p. 106.
- Arnold-Wagner Electric Co. (See Wagner, Joseph F., assignor.)
- Arnold, Wilber E., Cincinnati, Ohio. Safe. No. 1,084,837; Jan. 20; Gaz. vol. 198; p. 585.
- Arnold, William B. (See Dunn, George F., assignor.)
- Arnold, William B., North Abington, Mass. Making boots and shoes. No. 1,085,002; Jan. 20; Gaz. vol. 198; p. 639.
- Arnold, William B., North Abington, Mass. Forming welt-ing. No. 1,122,845; Dec. 29; Gaz. vol. 209; p. 1531.
- Arnold, William H., Stockton, Cal. Trolley-wheel construction. No. 1,093,025; Apr. 14; Gaz. vol. 201; p. 343.
- Arnold, William H., Stockton, Cal. Can-opening instrument. No. 1,095,369; May 5; Gaz. vol. 202; p. 67.
- Arnold, William R., Geneva, Nebr. Rail-joint chair. No. 1,096,986; May 19; Gaz. vol. 202; p. 697.
- Arnold, William W., Hamilton, Ohio. Electric sign. No. 1,098,211; May 26; Gaz. vol. 202; p. 1170.
- Arnett, James, Oakland, Cal. Variable-speed mechanism. No. 1,096,409; May 12; Gaz. vol. 202; p. 457.
- Arnoux, René, Paris, France. Aeroplane. No. 1,095,952; May 5; Gaz. vol. 202; p. 264.
- Aron, Leonard J., assignor to N. L. Electric Company Limited, London, England. System for operating or controlling time-indicating devices. No. 1,094,292; Apr. 21; Gaz. vol. 201; p. 809.
- Aronoff, Joseph J., Trenton, N. J. Collapsible receptacle. No. 1,111,428; Sept. 22; Gaz. vol. 206; p. 1029.
- Aronson, Gustaf A. E., Kisa, assignor of one-half to S. R. D. Westrell, Stockholm, Sweden. Latch mechanism for doors and gates. No. 1,115,271; Oct. 27; Gaz. vol. 207; p. 1139.
- Aronson, Louis V. (See Harris, Alexander, assignor.)
- Aronson, Louis V., Newark, N. J. Pyrophorous lighter. No. 1,084,386; Jan. 13; Gaz. vol. 198; p. 403.
- Aronson, Saul, New York, assignor to E. E. Wilkinson, Brooklyn, N. Y. Clock. No. 1,099,110; June 2; Gaz. vol. 203; p. 251.
- Arotzer, Samuel. (See Berzak and Arotzer.)
- Arrachart, Felix, Charenton-le-Pont, France. Stencil-plate. No. 1,111,429; Sept. 22; Gaz. vol. 206; p. 1030.
- Arrants, James E., Elizabethton, Tenn. Tobacco-cutter. No. 1,106,858; Aug. 11; Gaz. vol. 205; p. 489.
- Arrow Electric Company, The. (See Hare, Charles R., assignor.)
- Arrowsmith, James W., Morristown, N. J. Instep-support. No. 1,103,463; July 14; Gaz. vol. 204; p. 477.
- Arrowsmith, James W., Morristown, N. J. Instep-support. No. 1,103,464; July 14; Gaz. vol. 204; p. 477.
- Arrowsmith, James W., Morristown, N. J. Bunion shield and corrector. No. 1,103,465; July 14; Gaz. vol. 204; p. 477.
- Arrowsmith, James W., Morristown, N. J. Instep-arch support. No. 1,103,466; July 14; Gaz. vol. 204; p. 478.
- Arsem, William C., Schenectady, N. Y., assignor to General Electric Company. Production of metallic thorium. No. 1,085,098; Jan. 27; Gaz. vol. 198; p. 709.
- Arsem, William C., Schenectady, N. Y., assignor to General Electric Company. Graphite conductor. No. 1,091,616; Mar. 31; Gaz. vol. 200; p. 1172.
- Arsem, William C., Schenectady, N. Y., assignor to General Electric Company. Resinous condensation products and making the same. No. 1,098,776; June 2; Gaz. vol. 203; p. 142.
- Arsem, William C., Schenectady, N. Y., assignor to General Electric Company. Resinous condensation products and making the same. No. 1,098,777; June 2; Gaz. vol. 203; p. 142.
- Art Metal Construction Company. (See Bullock, Raymond G., assignor.)
- Art Metal Construction Company. (See Stuck, Everett, assignor.)
- Art Stove Company, The. (See Coda, Christopher F., assignor.)
- Arter, Frederick S., Cleveland, Ohio. Ink-pad for rubber stamps. No. 1,114,328; Oct. 20; Gaz. vol. 207; p. 753.
- Arthur Colton Company. (See Colton and Scott, assignors.)
- Arthur D. Little Inc. (See Hawley, Lee F., assignor.)
- Arthur D. Little, Incorporated. (See Billings, Edward J., assignor.)
- Arthur D. Little, Incorporated. (See Little, Arthur D., assignor.)
- Arthur, Ernest L., and R. H. Worrell, Lester, W. Va. Metal rail-tie. No. 1,121,964; Dec. 22; Gaz. vol. 209; p. 1187.
- Arthur, Eugenia C., executrix. (See Arthur, George P.)
- Arthur, George P., deceased; E. C. Arthur, executrix, Midland, Tex. Cotton-chopper. No. 1,113,940; Oct. 20; Gaz. vol. 207; p. 616.
- Arthur Greenfield, Inc. (See Travalled, Charles F., assignor.)
- Arthur, James W., Warren, Ohio. Combination window-screen and storm-sash. No. 1,116,783; Nov. 10; Gaz. vol. 208; p. 498.
- Arthur, John R., Roanoke, Va. Oil-burner. No. 1,089,033; Mar. 3; Gaz. vol. 200; p. 123.
- Arthur, Lewis B., Columbus, Ohio. Internal-combustion engine. No. 1,116,002; Nov. 3; Gaz. vol. 208; p. 183.
- Arthur, Richard S. (See Rotter and Arthur.)
- Artigue, Leon B., assignor of one-half to F. X. Ammann, Los Angeles, Cal. Faucet attachment. No. 1,120,661; Dec. 15; Gaz. vol. 209; p. 696.
- Artista Piano Player Company. (See Bennett, Robert J., assignor.)
- Artista Piano Player Company. (See Steinhilber, Adolf A., assignor.)
- Artista Piano Player Company. (See Turney, Eugene T., assignor.)
- Arton, John A., Chicago, Ill. Convertible sofa. No. 1,119,563; Dec. 1; Gaz. vol. 209; p. 230.
- Arundel, John T., Toronto, Ontario, Canada. Rotary plow. No. 1,122,461; Dec. 29; Gaz. vol. 209; p. 1395.
- Asak, Karl, Raufoss, Norway, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Fuse for projectiles. No. 1,195,394; July 28; Gaz. vol. 204; p. 1240.
- Asbestos Brake Company, The. (See Bonner, William T., assignor.)
- Asbestos Protected Metal Company. (See Miller, Thomas D., assignor.)
- Asbury, Harry E., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Knife for chopping-machines. No. 1,097,505; May 19; Gaz. vol. 202; p. 878.
- Asbury, Harry E., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Chopper. No. 1,122,055; Dec. 22; Gaz. vol. 209; p. 1220.
- Asch, Arthur, Hamburg, Germany. Flexible occlusive pessary. No. 1,083,721; Jan. 6; Gaz. vol. 198; p. 154.
- Aseptic Service Company. (See Rees, Warren C., assignor.)
- Aseptic Service Company. (See Rees and Etherington, assignors.)
- Ash, Ernest A., New York, N. Y. Tooth-paste-dispensing device. No. 1,098,008; May 26; Gaz. vol. 202; p. 1101.
- Ash, Herbert S., and E. H. Hayes, Knoxville, Tenn. Adjustable bearing. No. 1,114,668; Oct. 20; Gaz. vol. 207; p. 871.
- Ashbaugh, James W., Bremen, Ohio. Combination gas-valve. No. 1,093,026; Apr. 14; Gaz. vol. 201; p. 343.
- Ashbaugh, James W., Bremen, Ohio. Gas-stove. No. 1,115,765; Nov. 3; Gaz. vol. 208; p. 100.
- Ashbaugh, Millin L., Anderson, Ind. Electric accumulator. No. 1,096,587; May 12; Gaz. vol. 202; p. 516.
- Ashcraft, Wendell J., assignor of one-half to L. W. McClure, Short Creek, W. Va. Distance-measuring device. No. 1,099,157; June 9; Gaz. vol. 203; p. 312.
- Ashcroft, Edgar A., Balestrand, Sogn, Norway. Separation of metals from zinc-bearing ores or compounds. No. 1,091,269; Mar. 24; Gaz. vol. 200; p. 1013.
- Ashcroft, Edgar A., London, England. Electrolytic manufacture of alkali metals. No. 1,106,436; Aug. 11; Gaz. vol. 205; p. 337.
- Ashe, Harry M. (See Fricks and Ashe.)
- Ashe, Lloyd E., Vassar, Mich. Ditching-machine. No. 1,100,414; June 16; Gaz. vol. 203; p. 784.
- Ashland Manufacturing Company, The. (See Willour, Le Roy, assignor.)
- Ashley, Burton J., Chicago, Ill. Excreta-vault. No. 1,105,237; July 28; Gaz. vol. 204; p. 1183.
- Ashley, Charles G. (See Miller and Ashley.)
- Ashley, Charles G., Chicago, Ill., assignor to General Engineering and Construction Company, Limited, Toronto, Canada. Printing-telegraph system. No. 1,095,541; May 5; Gaz. vol. 202; p. 127.
- Ashley, Charles G., assignor to General Engineering and Construction Company, Limited, Toronto, Ontario, Canada. Perforated-tape reproducer. No. 1,120,356; Dec. 8; Gaz. vol. 209; p. 540.
- Ashley, Frank M., New York, N. Y. Fountain pen. No. 1,092,199; Apr. 7; Gaz. vol. 201; p. 26.
- Ashley, Frank M., New York, N. Y. Inkstand. No. 1,093,677; Apr. 21; Gaz. vol. 201; p. 606.
- Ashley, Frank M., New York, N. Y. Fountain-pen. No. 1,111,519; Sept. 22; Gaz. vol. 206; p. 1061.
- Ashley, Frank M., New York, N. Y. Inkstand. No. 1,113,284; Oct. 13; Gaz. vol. 207; p. 347.
- Ashley, Frank M., New York, N. Y. Inkstand. No. 1,113,285; Oct. 13; Gaz. vol. 207; p. 347.
- Ashley, John F., Dallas, Tex. Hoisting-machine. No. 1,119,215; Dec. 1; Gaz. vol. 209; p. 110.
- Ashley, Owen G., Tolchester Beach, Md. Bottle-opener. No. 1,103,731; July 11; Gaz. vol. 201; p. 573.
- Ashlock, Ernest H. and H. H., San Diego, Cal. Auxiliary air-inlet device for internal-combustion engines. No. 1,120,118; Dec. 8; Gaz. vol. 209; p. 455.
- Ashlock, Henry H. (See Ashlock, Ernest H. and H. H.)
- Ashlock, Henry H. (See Ashlock, William O. and H. H.)
- Ashlock, William O. and H. H., San Diego, Cal. Heater for automobiles. No. 1,095,976; May 5; Gaz. vol. 202; p. 272.
- Ashman, Charles T., Philadelphia, Pa. Friction device for doors, &c. No. 1,108,663; Aug. 25; Gaz. vol. 205; p. 1216.

Alphabetical list of patentees—Continued.

- Ashmore, Edith B., Philadelphia, Pa. Curtain-pole-concealing suspension means for curtains and similar draperies. No. 1,091,471; Mar. 31; Gaz. vol. 200; p. 1121.
- Ashmore, Edith B., Philadelphia, Pa. Stub adjusting and ejecting cigarette-holder. No. 1,093,569; Apr. 14; Gaz. vol. 201; p. 524.
- Ashmore, Edith B., Philadelphia, Pa. Curtain-pole-concealing suspension means for double-fabric draperies. No. 1,109,608; Sept. 1; Gaz. vol. 206; p. 263.
- Ashmussen, Henry W., Kings Park, N. Y. Internal-combustion engine. No. 1,112,589; Oct. 6; Gaz. vol. 207; p. 64.
- Ashtabula Bow Socket Company, The. (See Lewis, Fred K., assignor.)
- Ashton, Edwin R., assignor to Self Locking Carton Company, Chicago, Ill. Carton. No. 1,115,476; Nov. 3; Gaz. vol. 208; p. 3.
- Ashton, Francis E., Exeter, N. H., assignor to Draper Company, Hopedale, Mass. Drop device or detector for looms. No. 1,116,003; Nov. 3; Gaz. vol. 208; p. 183.
- Ashton, George, assignor to The Cincinnati Frog and Switch Company, Cincinnati, Ohio. Railway-switch stand. No. 1,086,576; Feb. 10; Gaz. vol. 199; p. 395.
- Ashton, Harry M., Coburg, Victoria, Australia. Instrument for removing the hides or skins from carcasses of cattle, sheep, or other animals. No. 1,110,859; Sept. 15; Gaz. vol. 206; p. 791.
- Ashton, Orrell, Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,102,465; July 7; Gaz. vol. 204; p. 86.
- Ashton, Orrell, Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for assembling parts of boots and shoes. No. 1,109,655; Sept. 8; Gaz. vol. 206; p. 321.
- Ashton, Orrell, Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Assembling-machine. No. 1,110,308; Sept. 15; Gaz. vol. 206; p. 595.
- Ashton, Orrell, Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-machine. No. 1,113,085; Oct. 6; Gaz. vol. 207; p. 232.
- Ashton, Orrell, Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,113,086; Oct. 6; Gaz. vol. 207; p. 232.
- Ashworth, Albert P., West Brookville, N. Y. Canopy attachment for hammocks or the like. No. 1,094,412; Apr. 28; Gaz. vol. 201; p. 909.
- Ashworth, Vincent, Paterson, N. J. Coal-chute. No. 1,083,650; Jan. 6; Gaz. vol. 198; p. 130.
- Ashworth, Wylie, Helena, Mont. Oil-can. No. 1,108,664; Aug. 25; Gaz. vol. 205; p. 1216.
- Askew, Levi J., and W. A. Masters, assignors of fifty-six and two-thirds one-hundredths to said Askew, thirty-three and one-third one-hundredths to said Masters, and ten one-hundredths to J. Barton, Birmingham, Ala. Pattern for circular sand molds. No. 1,110,282; Sept. 8; Gaz. vol. 206; p. 547.
- Askew Saddlery Company. (See Ames, Frederick P., assignor.)
- Askin, Morris W., Edgewater, Colo. Illuminating sign-letter. No. 1,107,875; Aug. 18; Gaz. vol. 205; p. 894.
- Aslakson, Baxter M., Salem, Ohio. Gas-engine. No. 1,104,337; July 21; Gaz. vol. 204; p. 821.
- Asman, Charles W., Knoxville, Tenn., assignor to Draper Company, Hopedale, Mass. Feeler stop-motion. No. 1,103,340; July 14; Gaz. vol. 204; p. 436.
- Aspfors, Evert, Floodwood, Minn. Harrow. No. 1,109,813; Sept. 8; Gaz. vol. 206; p. 378.
- Aspinwall, Lewis A., assignor to Aspinwall Manufacturing Company, Jackson, Mich. Potato-planter. No. 1,085,587; Feb. 3; Gaz. vol. 199; p. 3.
- Aspinwall, Lewis A., assignor to Aspinwall Manufacturing Company, Jackson, Mich. Potato-planter. No. 1,085,588; Feb. 3; Gaz. vol. 199; p. 3.
- Aspinwall, Lewis A., assignor to Aspinwall Manufacturing Company, Jackson, Mich. Potato-planter. No. 1,104,725; July 21; Gaz. vol. 204; p. 956.
- Aspinwall Manufacturing Company. (See Aspinwall, Lewis A., assignor.)
- Asquith, Frank R. (See Asquith, Stead A., assignor.)
- Asquith, Leonard A. (See Greene and Asquith.)
- Asquith, Stead A., assignor of one-half to F. R. Asquith, Waterloo, Iowa. Speedometer. No. 1,093,166; Apr. 14; Gaz. vol. 201; p. 393.
- Assip, Thomas F., Brooklyn, N. Y. Cement weather-board construction. No. 1,116,202; Nov. 3; Gaz. vol. 208; p. 251.
- Associated Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
- Associated Engineers Company. (See Camm, Charles E., assignor.)
- Associated Engineers Company. (See Hejda, Charles J., assignor.)
- Associated Engineers Company. (See Schweitzer, Edmund O., assignor.)
- Astley, Robert A., Lansing, Mich. Vapor-lamp. No. 1,100,007; June 16; Gaz. vol. 203; p. 642.
- Astor Trust Company, trustee. (See Rennerfelt and Lundin, assignors.)
- Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company. Dumping-car. No. 1,118,094; Nov. 24; Gaz. vol. 208; p. 1036.
- Astruck, John H., New York, N. Y. Cigar-cutter. No. 1,083,516; Jan. 6; Gaz. vol. 198; p. 85.
- Astruck, John H., New York, N. Y. Smoker's utensil. No. 1,088,254; Feb. 24; Gaz. vol. 199; p. 1072.
- Astruck, John H., New York, N. Y. Cover for containers. No. 1,096,343; May 12; Gaz. vol. 202; p. 437.
- Astruck, John H., New York, N. Y. Telescopic post for stands and similar articles. No. 1,103,246; July 14; Gaz. vol. 204; p. 405.
- Asztalos, Paul, Bridgeport, Conn. Toilet appliance. No. 1,102,123; June 30; Gaz. vol. 203; p. 1480.
- Aten, Merritt L., assignor of one-fourth to A. R. Purcell, Jackson, Mich. Spring-wheel. No. 1,117,152; Nov. 17; Gaz. vol. 208; p. 664.
- Atherton, Charles, Philadelphia, Pa. Blindstitch sewing-machine. No. 1,083,651; Jan. 6; Gaz. vol. 198; p. 130.
- Atherton, Kate H., Carson City, Nev., and M. N. Rodgers, Chicago, Ill. Holding device for telephone-receivers. No. 1,096,484; May 12; Gaz. vol. 202; p. 482.
- Atherton, Walter C., Milwaukee, Wis. Combination weighing-scale and ice-box. No. 1,120,883; Dec. 15; Gaz. vol. 209; p. 775.
- Athman, August, Belgrade, Minn. Leveling attachment for separators. No. 1,122,056; Dec. 22; Gaz. vol. 209; p. 1221.
- Athons, Joseph H., assignor to Cambria Spring Company, Los Angeles, Cal. Spring. No. 1,107,567; Aug. 18; Gaz. vol. 205; p. 786.
- Athy, Clarence F., Mansfield, assignor to The Johnston & Jennings Company, Cleveland, Ohio. Attachment for lathes. No. 1,086,745; Feb. 10; Gaz. vol. 199; p. 452.
- Atkin, Allen O. (See Arnold and Atkin.)
- Atkins, Charles H., Springfield, Mass. Suction-roll. No. 1,120,432; Dec. 8; Gaz. vol. 209; p. 567.
- Atkins, Charles H., Springfield, Mass. Paper-making apparatus. No. 1,120,433; Dec. 8; Gaz. vol. 209; p. 567.
- Atkins, Charles H., assignor to Kleen-Sweep Manufacturing Company, Springfield, Mass. Vacuum-producer. No. 1,110,860; Sept. 15; Gaz. vol. 206; p. 791.
- Atkins, John A., Carroll county, Va. Tobacco-hanger. No. 1,091,617; Mar. 31; Gaz. vol. 200; p. 1172.
- Atkins, William, assignor of three-fourths to E. N. Ross and W. A. Tice, Auburn, N. Y. Wagon-train. No. 1,122,241; Dec. 29; Gaz. vol. 209; p. 1323.
- Atkinson, Asher, New Brunswick, N. J., assignor, by mesne assignments, to H. B. Newhall, Littleton, N. H. Stirrup for reinforced concrete. No. 1,110,416; Sept. 15; Gaz. vol. 206; p. 635.
- Atkinson, Charles L., assignor of one-half to C. M. Jewett, Cynthia, Ky. Umbrella. No. 1,083,790; Jan. 6; Gaz. vol. 198; p. 174.
- Atkinson, Cyril J., Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill. Preheater for gases. No. 1,106,611; Aug. 11; Gaz. vol. 205; p. 404.
- Atkinson, Edward W., et al. (See O'Meara, James J., assignor.)
- Atkinson, Frederick C., assignor to American Hominy Company, Indianapolis, Ind. Moisture-indicator for cereal products. No. 1,112,247; Sept. 29; Gaz. vol. 206; p. 1350.
- Atkinson, George K., assignor of one-half to The John Steptoe Shaper Company, Cincinnati, Ohio. Clutch. No. 1,093,306; Apr. 14; Gaz. vol. 201; p. 443.
- Atkinson, John S., Revetstoke, British Columbia, Canada. Tug-fastener. No. 1,083,912; Jan. 13; Gaz. vol. 198; p. 244.
- Atkinson, Joseph M., assignor to Oppenheim, Oberndorf & Co., Baltimore, Md. Shirt and drawers. No. 1,113,924; Oct. 13; Gaz. vol. 207; p. 570.
- Atkinson, Richard. (See Broccolin, Julius, assignor.)
- Atkinson, William H., Hedley, Tex. Disk cultivator. No. 1,096,664; May 12; Gaz. vol. 202; p. 542.
- Atlanta Utility Works. (See Nash, Walter D., assignor.)
- Atlantic Lithographic and Printing Company. (See Jackson, Clarence S., assignor.)
- Atlantic National Bank. (See Adams, Arthur A., assignor.)
- Atlantic National Bank. (See Emery and Adams, assignors.)
- Atlantic National Bank. (See Mitchell, Frank, assignor.)
- Atlantic Refining Company, The. (See Van Dyke and Irish, assignors.)
- Atlas Mill Mfg. Co. (See Waterhouse, Addison G., assignor.)
- Atlas Tack Company. (See Leonard, Herbert C., assignor.)
- Atlas Tack Company. (See Raiche, Andrew, assignor.)
- Atmospheric Clarifier Co. (See Wickersham, Alfred, assignor.)
- Atenna, Carmelo, New York, N. Y. Abdominal belt. No. 1,097,383; May 19; Gaz. vol. 202; p. 837.
- Attaway, James P., Oswego, S. C. Tire. No. 1,091,270; Mar. 24; Gaz. vol. 200; p. 1013.
- Atterbury, Grosvenor, New York, N. Y. Collapsible core for molding or casting. No. 1,086,121; Feb. 3; Gaz. vol. 199; p. 194.

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- Atterbury, John C., assignor of one-half to C. G. Taylor, Danville, Ill. Trolley-switch. No. 1,111,555; Sept. 22; Gaz. vol. 206; p. 1073.
- Atterby, Edward, Rochester, N. Y. Folding chair. No. 1,101,519; June 30; Gaz. vol. 203; p. 1268.
- Attfield, Harry A., Berkeley, Cal. Hook for life-boats and the like. No. 1,101,113; June 23; Gaz. vol. 203; p. 1077.
- Atwater, Harry R., assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Mold-making machine. No. 1,117,153; Nov. 17; Gaz. vol. 208; p. 665.
- Atwater, Harry R., and E. S. Carman, assignors to The Osborn Manufacturing Company, Cleveland, Ohio. Valve mechanism. No. 1,120,010; Dec. 8; Gaz. vol. 209; p. 417.
- Atwell, Frederick W., Antioch, Ill. Toy. No. 1,084,122; Jan. 23; Gaz. vol. 198; p. 316.
- Atwood, Albert A. (See Myers, Hubert A., assignor.)
- Atwood, Ernest O. (See Talbot, Ivan F., assignor.)
- Atwood, James T., Rockford, Ill. Vacuum cleaning apparatus. No. 1,090,127; Mar. 17; Gaz. vol. 200; p. 587.
- Atwood, John A., Beaver, Pa. Cross-tie for railways. (Reissue.) No. 13,814; Oct. 27; Gaz. vol. 207; p. 1208.
- Atwood, John B., Pittsburgh, Pa. Rail-fastener. No. 1,091,790; Mar. 31; Gaz. vol. 200; p. 1233.
- Atwood, Leonard, Farmington, Me. Driving mechanism for elevators and the like. No. 1,110,248; Sept. 8; Gaz. vol. 206; p. 534.
- Atwood, Leonard, Farmington, Me. Compound induction-valve for internal-combustion engines. No. 1,112,188; Sept. 29; Gaz. vol. 206; p. 1328.
- Atwood, Lilla D. (See Atwood, Quincy A. and L. D.)
- Atwood Machine Company, The. (See Bradley, Edward E., assignor.)
- Atwood, Quincy A. and L. D., Newton, Mass. Automatic stop for talking-machines. No. 1,108,315; Aug. 25; Gaz. vol. 205; p. 1096.
- Atwood, Walter F., Amarillo, Tex. Triple-valve mechanism. No. 1,120,584; Dec. 8; Gaz. vol. 209; p. 621.
- Atwood, William S., and F. Ditchfield, Montreal, Quebec, Canada. Railway-car. No. 1,085,099; Jan. 27; Gaz. vol. 198; p. 709.
- Au Buchon, Perry P., St. Louis, Mo. Game apparatus. No. 1,114,717; Oct. 27; Gaz. vol. 207; p. 941.
- Aub, Hermann, Munich, Germany. Electric bath. No. 1,095,774; May 5; Gaz. vol. 202; p. 206.
- Auberlin, Herman. (See Auberlin, William, assignor.)
- Auberlin, William, Hudson, Ohio, assignor of one-half to H. Auberlin, Detroit, Mich. Aeroplane. No. 1,098,547; June 2; Gaz. vol. 203; p. 67.
- Auble, James H., assignor of one-half to H. A. Barrett, Cincinnati, Ohio. Combined punch and forming press. No. 1,086,577; Feb. 10; Gaz. vol. 199; p. 395.
- Auble, James L., assignor of one-half to H. A. Barrett, Cincinnati, Ohio. Cutter for mowers, reapers, harvesters, and the like. No. 1,113,944; Oct. 20; Gaz. vol. 207; p. 617.
- Aubrey, Andrew W., St. Louis, Mo. Nut-lock. No. 1,121,156; Dec. 15; Gaz. vol. 209; p. 872.
- Aubry, Harry T., Chicago, Ill. Shelf-bracket. No. 1,108,543; Aug. 25; Gaz. vol. 205; p. 1175.
- Auchly, Albert, Montgomery City, Mo. Hog feeding-trough and sty. No. 1,120,662; Dec. 15; Gaz. vol. 209; p. 696.
- Aud, Thomas E., Herndon, Va. Life-saving apparatus. No. 1,121,448; Dec. 15; Gaz. vol. 209; p. 970.
- Aud, William E., *et al.* (See Kollenberg, Frederick G., assignor.)
- Audet, Alfred, Salem, Mass. Fire apparatus. No. 1,114,718; Oct. 27; Gaz. vol. 207; p. 941.
- Audibert, Stephen R., Fort Kent, Me. Toothed jaw for wrenches. No. 1,103,927; July 21; Gaz. vol. 204; p. 681.
- Audley, Francis H., New York, N. Y. Gun-holster. No. 1,113,530; Oct. 13; Gaz. vol. 207; p. 435.
- Auer, Andrew, *et al.* (See Hoferle, John, assignor.)
- Auer, Louis, *et al.* (See Hoferle, John, assignor.)
- Auerbach, Milton, *et al.* (See Thomas, Bradford A., assignor.)
- Aufferheide, Walter, *et al.* (See Haeusler, Charles D., assignor.)
- Aufschneider, Otto von. (See Brosch and Aufschneider.)
- Aug. Goertz & Co. (See Eigen, Benno vom, assignor.)
- Augensen, August M., Maywood, Ill., assignor to Sanitary Can Company, New York, N. Y. Can-body-feeding device. No. 1,122,242; Dec. 29; Gaz. vol. 209; p. 1323.
- Aughenbaugh, George H., York, Pa. Compression stop and waste cock. No. 1,099,418; June 9; Gaz. vol. 203; p. 404.
- Aughinbaugh, Sidney M., Chambersburg, Pa. Feed-bag attachment. No. 1,099,871; June 9; Gaz. vol. 203; p. 558.
- Augur, Allison W., Chicago, Ill. Internal-combustion engine. No. 1,119,386; Dec. 1; Gaz. vol. 209; p. 168.
- August, Edward E., Chicago, Ill. Rail-joint. No. 1,122,355; Dec. 29; Gaz. vol. 209; p. 1360.
- Augustin, Edwin, and J. M. McDonnell, assignors to Augustin Rotary Valve Engine Company, Marshfield, Wis. Gas-engine valve. No. 1,102,183; June 30; Gaz. vol. 203; p. 1500.
- Augustin Rotary Valve Engine Company. (See Augustin and McDonnell, assignors.)
- Augustin, Wilhelm, Charlottenburg, Germany. Return-to-zero device for calculating-machines. No. 1,086,344; Feb. 10; Gaz. vol. 199; p. 313.
- Augustin, Wilhelm, Charlottenburg, Germany. Setting-gear for calculating-machines. No. 1,104,763; July 28; Gaz. vol. 204; p. 1018.
- Augustine, Henry J., assignor of one-half to R. S. Litchfield, Independence, Kans. Spring-tire. No. 1,084,056; Jan. 13; Gaz. vol. 198; p. 294.
- Augustine, Henry J., assignor of one-half to R. S. Litchfield, Independence, Kans. Spring-tire. No. 1,117,472; Nov. 17; Gaz. vol. 208; p. 779.
- Augustus Wolf and Company. (See Lentz, Amandus L., assignor.)
- Aull Brothers Paper and Box Company, The. (See Feldmeyer, William F., assignor.)
- Aull Brothers Paper and Box Company, The. (See Zell, James H., assignor.)
- Ault, Edwin, deceased. (See Travis and Ault.)
- Ault, John M. (See Prouty and Ault.)
- Aumont, Emmanuel, assignor, by mesne assignments, to Société L'Air Liquide, Société Anonyme pour L'Etude et Exploitation des Procédés Georges Claude, Paris, France. Oxyhydrogen-gas jet. No. 1,097,284; May 19; Gaz. vol. 202; p. 803.
- Aumont, Emmanuel F., Paris, France. Apparatus for the manufacture of oxygen. No. 1,088,052; Feb. 24; Gaz. vol. 199; p. 1003.
- Aumont, Emmanuel F., Paris, France. Gas producer and compressor. No. 1,118,095; Nov. 24; Gaz. vol. 208; p. 1036.
- Auperl, Harry, New York, N. Y. Frappeying-machine. No. 1,092,131; Apr. 7; Gaz. vol. 201; p. 3.
- Apperle, George H., and J. C. Waldo, Sharpsburg, Pa. Cord or rope hitch. No. 1,119,773; Dec. 1; Gaz. vol. 209; p. 299.
- Aurand, Clyde, Lewistown, Pa. Railway-signal. No. 1,092,004; Mar. 31; Gaz. vol. 200; p. 1305.
- Auringer, George W., New Rockford, N. D. Igniting device. No. 1,086,697; Feb. 10; Gaz. vol. 199; p. 435.
- Aurit, Christopher, Rock Valley, Iowa. Churn. No. 1,100,937; June 23; Gaz. vol. 203; p. 1018.
- Aurora Automatic Machinery Company. (See Levedahl and Norling, assignors.)
- Aurora Automatic Machinery Company. (See Norling, Reinhold A., assignor.)
- Aurora Automatic Machinery Company. (See Ottaway, William, assignor.)
- Aurora Automatic Machinery Company. (See Sperry, Frank E., assignor.)
- Aurora Corset Company. (See Mead, Larkin J., assignor.)
- Aurora Door Hanger and Specialty Company. (See Richards, George H., assignor.)
- Auscher, Léon. (See Rheims and Auscher.)
- Austen, J. Howe. (See Watt, John A., assignor.)
- Austin, A. T., *et al.* (See Anderson, Charles O., assignor.)
- Austin, A. T. (See Austin, Wilson A., assignor.)
- Austin, Albert L., Cleveland, Ohio. Combined metallic rail-supporting tie and rail-brace. No. 1,097,206; May 19; Gaz. vol. 202; p. 775.
- Austin, Arthur C. (See Walsh and Austin.)
- Austin, Basil G., assignor to Austin Organ Company, Hartford, Conn. Organ-pipe. No. 1,097,506; May 19; Gaz. vol. 202; p. 879.
- Austin, Charles H., Palmyra, N. Y. Electric curling-iron heater. No. 1,090,672; Mar. 17; Gaz. vol. 200; p. 777.
- Austin, Ernest C., assignor to E. C. Austin Limited, Wellington, New Zealand. Means for facilitating the opening of containers. No. 1,103,859; July 14; Gaz. vol. 204; p. 616.
- Austin, Frederick C. (See Bathrick, Charles E., assignor.)
- Austin, Frederick C. (See Bunnell, Morton G., assignor.)
- Austin, Frederick C. (See MacLachlan, Lachlan, assignor.)
- Austin, Frederick C. (See Weeks, Harry G., assignor.)
- Austin, Henry C. (See Baldwin, John M., assignor.)
- Austin, Herbert, Bromsgrove, England. Carbureter. No. 1,085,003; Jan. 20; Gaz. vol. 198; p. 640.
- Austin, Herbert, Bromsgrove, England. Tool for truing engine-bearings and the like. No. 1,094,187; Apr. 21; Gaz. vol. 201; p. 776.
- Austin, Herbert, Bromsgrove, England. Change-speed gearing. No. 1,118,389; Nov. 24; Gaz. vol. 208; p. 1139.
- Austin, Herbert A., Boston, Mass., assignor to Austin-Walker Sales Company. Embroidery-frame. No. 1,120,357; Dec. 8; Gaz. vol. 209; p. 540.
- Austin, James A., Chicago, Ill. Designing apparatus. No. 1,087,207; Feb. 17; Gaz. vol. 199; p. 661.
- Austin, James E., Fresno, Cal. Washcloth-holder. No. 1,117,757; Nov. 17; Gaz. vol. 208; p. 880.
- Austin, James E., assignor to Central Flatiron Mfg. Co., Binghamton, N. Y. Sad-iron. No. 1,094,869; Apr. 28; Gaz. vol. 201; p. 1071.
- Austin, John, Union Bay, British Columbia, Canada. Manual excavator. No. 1,086,122; Feb. 3; Gaz. vol. 199; p. 195.

Alphabetical list of patentees—Continued.

- Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Shutter-operating mechanism for pipe-organs. No. 1,090,963; Mar. 24; Gaz. vol. 200; p. 907.
- Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Key mechanism for organs. No. 1,097,507; May 19; Gaz. vol. 202; p. 879.
- Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Tracker mechanism for musical instruments. No. 1,099,907; June 16; Gaz. vol. 203; p. 607.
- Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Organ. No. 1,100,045; June 16; Gaz. vol. 203; p. 654.
- Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Organ-valve. No. 1,100,046; June 16; Gaz. vol. 203; p. 655.
- Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Electric action for organs. No. 1,107,127; Aug. 11; Gaz. vol. 205; p. 579.
- Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Organ-action. No. 1,107,128; Aug. 11; Gaz. vol. 205; p. 579.
- Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Key and stop action for organs. No. 1,107,129; Aug. 11; Gaz. vol. 205; p. 580.
- Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Organ-action. No. 1,107,130; Aug. 11; Gaz. vol. 205; p. 580.
- Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Key mechanism for organs. No. 1,113,861; Oct. 13; Gaz. vol. 207; p. 550.
- Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Organ-shutter. No. 1,119,486; Dec. 1; Gaz. vol. 209; p. 202.
- Austin Organ Company. (See Austin, Basil G., assignor.)
- Austin Organ Company. (See Austin, John T., assignor.)
- Austin, Rolland M. (See Wolf and Austin.)
- Austin, Stephen H., San Francisco, Cal. Sawing-machine. No. 1,110,736; Sept. 15; Gaz. vol. 206; p. 748.
- Austin, Sydney B. (See Tilley and Austin.)
- Austin, Sydney B., Baltimore, Md., assignor, by mesne assignments, to Mott-Le-Gaige Animated Advertising Corporation, New York, N. Y. Composite lantern-slide. No. 1,111,635; Sept. 22; Gaz. vol. 206; p. 1101.
- Austin, Sydney B., Baltimore, Md., assignor, by mesne assignments, to Mott-Le-Gaige Animated Advertising Corporation, New York, N. Y. Automatic display apparatus for lantern-slides. No. 1,111,636; Sept. 22; Gaz. vol. 206; p. 1102.
- Austin-Walker Sales Company. (See Austin, Herbert A., assignor.)
- Austin, Walter S., Grand Rapids, Mich. Change-speed gearing. No. 1,091,618; Mar. 31; Gaz. vol. 200; p. 1172.
- Austin, Walter M., Zelienople, Pa. Transformer. No. 1,105,014; July 28; Gaz. vol. 204; p. 1104.
- Austin, Walter M., Swissvale, Pa. Four-cycle internal-combustion engine. No. 1,115,477; Nov. 3; Gaz. vol. 208; p. 3.
- Austin, Walter M., Swissvale, Pa. Mechanism for verifying the stroke of internal-combustion engines. No. 1,118,521; Nov. 24; Gaz. vol. 208; p. 1186.
- Austin, Walter M., Swissvale, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure-regulating mechanism. No. 1,103,020; July 14; Gaz. vol. 204; p. 325.
- Austin, William A., assignor to Lima Locomotive Corporation, Lima, Ohio. Radial trailing truck. No. 1,099,333; June 9; Gaz. vol. 203; p. 374.
- Austin, William A., and V. J. Shepard, assignors to Lima Locomotive Corporation, Lima, Ohio. Hose-strainer. No. 1,119,564; Dec. 1; Gaz. vol. 209; p. 230.
- Austin, Wilson A., *et al.* (See Anderson, Charles O., assignor.)
- Austin, Wilson A., assignor of one-half to A. T. Austin. Omaha, Nebr. Railway-switch or the like. No. 1,090,188; Mar. 17; Gaz. vol. 200; p. 609.
- Authier, Joseph L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Recording mechanism. No. 1,118,998; Dec. 1; Gaz. vol. 209; p. 33.
- Auto Air Appliance Company, The. (See Crouse, David E., assignor.)
- Auto Air Appliance Company, The. (See Crouse, Eidson, and Davis, assignors.)
- Auto Air-Rotar Company. (See Ten Eyck, Frank E., assignor.)
- Auto-Manual Piano Action Company, The. (See Wuest, Philip, Jr., assignor.)
- Auto Parts Manufacturing Company. (See Sonnichsen, Andreas M., assignor.)
- Auto Pneumatic Action Co. (See Danquard, Thomas, assignor.)
- Auto Pneumatic Action Company. (See Johnson, Oscar, assignor.)
- Auto Pneumatic Action Company. (See Keeley, William J., assignor.)
- Auto Pneumatic Action Company, The. (See Ketterer, Eugene, assignor.)
- Auto Pneumatic Action Company. (See Staples, Sidney J., assignor.)
- Auto Signalite Company. (See Simon, Berry B., assignor.)
- Auto Specialties Manufacturing Company. (See Bair, Clarence L., assignor.)
- Auto Strop Company. (See Gaisman, Henry J., assignor.)
- Auto-Tri Manufacturing Company. (See Bowen, Ephraim N., assignor.)
- Auto Utilities Manufacturing Company. (See Breidert, George C., assignor.)
- Autogenwerk Sirius, Gesellschaft mit beschränkter Haftung. (See Canzler and Samesreuther, assignors.)
- Autographic Register Company. (See Boller, William N., assignor.)
- Autographic Register Company. (See Shoup, Samuel R., assignor.)
- Autographic Time Lock Company. (See Doyle, John J., assignor.)
- Autokal Syndicate Limited, The. (See Clarke, Edward R., assignor.)
- Automatic Accounting Company. (See Nichols, Charles H., assignor.)
- Automatic Air Brake Company. (See Collins, William P., assignor.)
- Automatic Appliance Company. (See Casgrain and Whiteman, assignors.)
- Automatic Book-Keeping Register Company. (See White, George, assignor.)
- Automatic Candy Machine Company. (See Swartz, William J., assignor.)
- Automatic Coin-Wrapping Machine Company. (See Batdorf, Charles S., assignor.)
- Automatic Drill Chuck Corporation. (See Emrick, George W., assignor.)
- Automatic Electric Company. (See Blessing, John G., assignor.)
- Automatic Electric Company. (See Erickson, John, assignor.)
- Automatic Electric Company. (See Keith, Alexander E., assignor.)
- Automatic Electric Company. (See Keller, Leo, assignor.)
- Automatic Electric Company. (See Martin, Talbot G., assignor.)
- Automatic Electric Company. (See Mellinger, Edward A., assignor.)
- Automatic Electric Company. (See Setter, Michael, assignor.)
- Automatic Electric Company. (See Truby, Franklin J., assignor.)
- Automatic Enunciator Company. (See Comer, John J., assignor.)
- Automatic Fire Protection Company. (See Nolen, James G., assignor.)
- Automatic Justifier Company. (See Langseth, Randolph, assignor.)
- Automatic Machine Company. (See Northrup, Elmer C., assignor.)
- Automatic Machine Vending Company. (See Jaeger, Otto, assignor.)
- Automatic Machinery Company. (See Culley, Harry D., assignor.)
- Automatic Machinery Company. (See Johnson, William H., assignor.)
- Automatic Needlethreader Company, The. (See Naylor, Lester O., assignor.)
- Automatic Packing & Labeling Company. (See Gwinn, George W., assignor.)
- Automatic Pencil Sharpener Company. (See Spengler, Charles C., assignor.)
- Automatic Printer Company. (See Alexander, Solomon, assignor.)
- Automatic Railroad Appliances Company. (See Lawn, William E., assignor.)
- Automatic Reclosing Circuit Breaker Company, The. (See Raney, Estelle C., assignor.) (Reissue.)
- Automatic Recording Safe Company, The. (See Fisher, Charles, assignor.)
- Automatic Register Company. (See Branham, Adolphus D., assignor.)
- Automatic Spool Cabinet Inc. (See Amberg and Dunskey, assignors.)
- Automatic Steering Co. (See Nelson and Klawiter, assignors.)
- Automatic Stemmer Company. (See Eckart, George F., assignor.)
- Automatic Stove Co., The. (See Phillips, Ross M. G., assignor.)
- Automatic Train Control & Signal Company. (See Gray, Gardner B., assignor.)
- Automatic Train Control & Signal Company. (See Thurber, Guy P., assignor.)
- Automatic Train Stop Company. (See Latey, Harry N., assignor.)
- Automatic Train Stop Company. (See Woltmann, Ernst, assignor.)
- Automatic Ventilator Company. (See Fleming, William J., Jr., assignor.)
- Automatische Wagenfenster Gesellschaft mit Beschränkter Haftung. (See Kürth, Alfred, assignor.)
- Automobile Development Company. (See Baies, Ralph E., assignor.)

Alphabetical list of patentees—Continued.

- Automobile Development Company. (See Fox, Ansley H., assignor.)
- Autopiano Company. (See Doman, Lewis B., assignor.)
- Autoplate Company of America, The. (See Goulding, Benjamin J. J., assignor.)
- Autoplate Company of America, The. (See Johnston, Robert T., assignor.)
- Autoplate Company of America, The. (See Wood, Henry A. W., assignor.)
- Autopress Company, The. (See Freeman, Rufus A., assignor.)
- Autosales Gum & Chocolate Company. (See Grover and Barber, assignors.)
- Autovacuum Refrigerating Company. (See Kelly, William J., assignor.)
- Autry, Leon F. (See Naylor and Autry.)
- Auvert, Louis R., and A. F. E. Ferrand, Paris, France. Antisparking device for dynamo-electric machines. No. 1,101,384; June 23; Gaz. vol. 203; p. 1169.
- Auxiliary Re-saw Corporation. (See Newcomb, Alcanzo D., assignor.)
- Avellanal, José R., Tampa, Fla. Cigar box or wrapping. No. 1,112,752; Oct. 6; Gaz. vol. 207; p. 121.
- Avelsgard, Richard S., assignor of one-half to O. H. Gray, Minneapolis, Minn. Buckle. No. 1,084,057; Jan. 13; Gaz. vol. 198; p. 294.
- Avera, Lawrence A., Texas City, Tex. Spring. No. 1,116,203; Nov. 3; Gaz. vol. 208; p. 252.
- Avers, Franklin H., Portage, Wis. Indicating device for moving-picture films. No. 1,090,128; Mar. 17; Gaz. vol. 200; p. 587.
- Avery, Amariah, Manchester, N. H. Yarn-spinning apparatus. No. 1,113,286; Oct. 13; Gaz. vol. 207; p. 347.
- Avery, Arthur D., Los Angeles, Cal. Type-writer attachment. No. 1,106,612; Aug. 11; Gaz. vol. 205; p. 404.
- Avery Company. (See Bartholomew, John B., assignor.)
- Avery Company. (See Hogan, Martin J., assignor.)
- Avery, Courtney C., assignor to The Eagle Wagon Works, Auburn, N. Y. Wagon-train coupling. No. 1,116,533; Nov. 10; Gaz. vol. 208; p. 406.
- Avery, Frederick C., Chicago, Ill. Envelop-file. No. 1,113,182; Oct. 13; Gaz. vol. 207; p. 308.
- Avery, Henry W., and W. S. Judd, Cleveland, Ohio. Metal bilge-barrel. No. 1,097,744; May 26; Gaz. vol. 202; p. 1007.
- Avery, Irving L., *et al.* (See Harrison, Henry, assignor.)
- Avery Scale Company, The. (See Welsh, Henry W., assignor.)
- Avery, William G., Painesville, Ohio. Tote-box. No. 1,107,014; Aug. 11; Gaz. vol. 205; p. 541.
- Avery, William H., and W. E. Parker, Kansas City, Mo. Traveling display apparatus. No. 1,087,208; Feb. 17; Gaz. vol. 199; p. 662.
- Avery, William W., *et al.* (See Northup, Frank, assignor.)
- Avis, Samuel W., assignor to The Merrow Machine Company, Hartford, Conn. Take-up for crochet-machines. No. 1,111,986; Sept. 29; Gaz. vol. 206; p. 1259.
- Avis, Samuel W., assignor to The Merrow Machine Company, Hartford, Conn. Crochet-machine take-up. No. 1,111,987; Sept. 29; Gaz. vol. 206; p. 1259.
- Avram, Moïs H., New York, N. Y., assignor to Standard Silica Brick Machinery Company, Wilmington, Del. Manufacturing artificial stone. No. 1,102,851; July 7; Gaz. vol. 204; p. 219.
- Ax, Helge. (See Frisell, Erik H., assignor.)
- Axe, Roy T., assignor to O. M. Edwards, Syracuse, N. Y. Trap-door for railway-cars and similar structures. No. 1,090,092; Mar. 10; Gaz. vol. 200; p. 534.
- Axe, Roy T., assignor to O. M. Edwards, Syracuse, N. Y. Trap-door for railway-car platforms. No. 1,094,385; Apr. 21; Gaz. vol. 201; p. 840.
- Axe, Roy T., assignor to O. M. Edwards, Syracuse, N. Y. Diaphragm-curtain fixture. No. 1,097,119; May 19; Gaz. vol. 202; p. 744.
- Axe, Roy T., assignor to O. M. Edwards, Syracuse, N. Y. Trap-door for the vestibules of railway-cars. No. 1,098,310; May 26; Gaz. vol. 202; p. 1205.
- Axe, Roy T., assignor to O. M. Edwards, Syracuse, N. Y. Hinge mechanism for railway-car trap-doors. No. 1,113,935; Oct. 13; Gaz. vol. 207; p. 574.
- Axe, Roy T., assignor to O. M. Edwards, Syracuse, N. Y. Window-sash and similar structure. No. 1,113,938; Oct. 20; Gaz. vol. 207; p. 615.
- Axe, Roy T., assignor to O. M. Edwards, Syracuse, N. Y. Trap-door for railway-car platforms. No. 1,119,784; Dec. 1; Gaz. vol. 209; p. 302.
- Axelsson, Fritz, Denver, Colo. Rope-splicing shackle. No. 1,095,446; May 5; Gaz. vol. 202; p. 93.
- Axford, Edward, Germantown, Pa. Wearing-apparel. No. 1,110,982; Sept. 15; Gaz. vol. 206; p. 832.
- Axford, George S., Detroit, Mich. Reinforced box. No. 1,115,478; Nov. 3; Gaz. vol. 208; p. 3.
- Axlen, Johann H., Hamburg, Germany. Blower. No. 1,092,132; Apr. 7; Gaz. vol. 201; p. 3.
- Axleless Wheel Manufacturing Company, The. (See Nichols and Meyers, assignors.)
- Axline, Joseph H., Columbus, Ohio. Ribbon-reviver. No. 1,111,727; Sept. 29; Gaz. vol. 206; p. 1167.
- Axlund, Andrew E., Vallejo, Cal. Water-circulating system for boilers. No. 1,087,480; Feb. 17; Gaz. vol. 199; p. 758.
- Axtell, Fred W., Fort Worth, Tex. Valve. No. 1,085,004; Jan. 20; Gaz. vol. 198; p. 640.
- Axtell, Freeman G. (See Cronley and Axtell.)
- Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Canning machinery. No. 1,110,983; Sept. 15; p. 206; p. 833.
- Ayars Machine Company. (See Ayars, Charles H., assignor.)
- Aydelott, Halstead T., Birmingham, Ala. Automatic track-sander. No. 1,087,421; Feb. 17; Gaz. vol. 199; p. 737.
- Aydlett, James M., Ravenna, assignor of one-half to W. A. Hanks, Ivanhoe, Tex. Subsoiler. No. 1,091,031; Mar. 24; Gaz. vol. 200; p. 932.
- Ayer, Alton E., Boston, Mass. Steam-boiler in conjunction with gas-producers. No. 1,123,162; Dec. 29; Gaz. vol. 209; p. 1644.
- Ayer, James I., assignor to Simplex Electric Heating Company, Cambridge, Mass. Electric-flat-iron stand. No. 1,116,004; Nov. 3; Gaz. vol. 208; p. 184.
- Ayer, James I., assignor to Simplex Electric Heating Company, Cambridge, Mass. Electrically-heated culinary apparatus. No. 1,120,884; Dec. 15; Gaz. vol. 209; p. 775.
- Ayers, Augustine R., Chicago, Ill., and B. A. Stowe, Cleveland, Ohio. Ventilating mechanism. No. 1,115,479; Nov. 3; Gaz. vol. 208; p. 4.
- Ayers, Edward L., North Vancouver, British Columbia, Canada. Bowling-alley. No. 1,106,859; Aug. 11; Gaz. vol. 205; p. 490.
- Ayers, William N., Jr., Fort Smith, Ark. Valve. No. 1,092,890; Apr. 14; Gaz. vol. 201; p. 298.
- Ayerst, Douglas B., Wilmington, Del. Electrolytic cell. No. 1,105,015; July 28; Gaz. vol. 204; p. 1104.
- Aygarn, Christopher L., Seneca, Ill. Vehicle-dump. No. 1,120,358; Dec. 8; Gaz. vol. 209; p. 541.
- Aylsworth, Jonas W., *et al.* (See Snelling, Walter O., assignor.)
- Aylsworth, Jonas W., East Orange, assignor to Condensite Company of America, Glen Ridge, N. J. Flame-extinguishing material. No. 1,085,783; Feb. 3; Gaz. vol. 199; p. 74.
- Aylsworth, Jonas W., East Orange, assignor to Condensite Company of America, Glen Ridge, N. J. Fire-extinguishing compound. No. 1,085,784; Feb. 3; Gaz. vol. 199; p. 74.
- Aylsworth, Jonas W., East Orange, assignor to Condensite Company of America, Glen Ridge, N. J. Plastic composition. No. 1,087,422; Feb. 17; Gaz. vol. 199; p. 737.
- Aylsworth, Jonas W., East Orange, assignor to Condensite Company of America, Glen Ridge, N. J. Plastic masses and producing the same. No. 1,090,439; Mar. 17; Gaz. vol. 200; p. 699.
- Aylsworth, Jonas W., assignor to Condensite Company of America, East Orange, N. J. Electrical insulation composition and preparing the same. No. 1,092,511; Apr. 7; Gaz. vol. 201; p. 135.
- Aylsworth, Jonas W., assignor to Condensite Company of America, East Orange, N. J. Commixing phenolic condensation products. No. 1,092,512; Apr. 7; Gaz. vol. 201; p. 135.
- Aylsworth, Jonas W., assignor to Condensite Company of America, East Orange, N. J. Molding objects having a refractory surface layer. No. 1,094,828; Apr. 28; Gaz. vol. 201; p. 1058.
- Aylsworth, Jonas W., East Orange, assignor to Condensite Company of America, Glen Ridge, N. J. Non-inflammable varnish composition. No. 1,094,830; Apr. 28; Gaz. vol. 201; p. 1059.
- Aylsworth, Jonas W., assignor to Condensite Company of America, East Orange, N. J. Enamel lacquer or varnish. No. 1,098,608; June 2; Gaz. vol. 203; p. 87.
- Aylsworth, Jonas W., East Orange, assignor to Condensite Company of America, Glen Ridge, N. J. Printing-plate. No. 1,098,610; June 2; Gaz. vol. 203; p. 87.
- Aylsworth, Jonas W., assignor to Condensite Company of America, East Orange, N. J. Composition and manufacturing the same. No. 1,102,630; July 7; Gaz. vol. 204; p. 144.
- Aylsworth, Jonas W., assignor to Condensite Company of America, East Orange, N. J. Plastic composition and making same. No. 1,102,631; July 7; Gaz. vol. 204; p. 145.
- Aylsworth, Jonas W., assignor to Condensite Company of America, East Orange, N. J. Enamel lacquer or varnish composition. No. 1,102,632; July 7; Gaz. vol. 204; p. 145.
- Aylsworth, Jonas W., assignor to Condensite Company of America, East Orange, N. J. Insulating composition. No. 1,102,633; July 7; Gaz. vol. 204; p. 145.
- Aylsworth, Jonas W., East Orange, assignor to Condensite Company of America, Glen Ridge, N. J. Plastic phenolic condensation product and forming the same. No. 1,102,634; July 7; Gaz. vol. 204; p. 145.
- Aylsworth, Jonas W., assignor to Condensite Company of America, East Orange, N. J. Plastic composition. No. 1,111,284; Sept. 22; Gaz. vol. 206; p. 981.
- Aylsworth, Jonas W., East Orange, assignor to Condensite Company of America, Glen Ridge, N. J. Phenolic condensation product and forming same. No. 1,111,285; Sept. 22; Gaz. vol. 206; p. 981.

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- Aylsworth, Jonas W., East Orange, assignor to Condensite Company of America, Glen Ridge, N. J. Producing indurated articles. No. 1,111,286; Sept. 22; Gaz. vol. 206; p. 981.
- Aylsworth, Jonas W., East Orange, assignor to Condensite Company of America, Glen Ridge, N. J. Cresolic varnish composition. No. 1,111,287; Sept. 22; Gaz. vol. 206; p. 982.
- Aylsworth, Jonas W., East Orange, assignor to Condensite Company of America, Glen Ridge, N. J. Production of plastic substance. No. 1,111,288; Sept. 22; Gaz. vol. 206; p. 982.
- Aylsworth, Jonas W., East Orange, assignor to Condensite Company of America, Glen Ridge, N. J. Forming shaped phenolic condensation products. No. 1,115,766; Nov. 3; Gaz. vol. 208; p. 101.
- Aylsworth, Jonas W., East Orange, assignor to Halogen Products Company, Glen Ridge, N. J. Polishing composition. No. 1,090,440; Mar. 17; Gaz. vol. 200; p. 699.
- Aylsworth, Jonas W., East Orange, assignor to The Halogen Products Company, West Orange, N. J. Electrical insulator. No. 1,094,829; Apr. 28; Gaz. vol. 201; p. 1059.
- Aylsworth, Jonas W., East Orange, assignor to Halogen Products Company, West Orange, N. J. Rubber composition and its production. No. 1,098,609; June 2; Gaz. vol. 203; p. 87.
- Aylsworth, Jonas W., East Orange, assignor to Halogen Products Company, Glen Ridge, N. J. Electrical condenser. No. 1,111,289; Sept. 22; Gaz. vol. 206; p. 982.
- Aylsworth, Jonas W., East Orange, assignor to New Jersey Patent Company, West Orange, N. J. Making duplicate phonograph-records. No. 1,101,827; June 30; Gaz. vol. 203; p. 1374.
- Aylsworth, Jonas W., East Orange, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Making phonograph-records. No. 1,110,417; Sept. 15; Gaz. vol. 206; p. 635.
- Aylsworth, Jonas W., East Orange, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Sound-box. No. 1,115,374; Oct. 27; Gaz. vol. 207; p. 1173.
- Aylsworth, Jonas W., East Orange, and F. L. Dyer, Montclair, N. J. Porous artificial stone and its production. No. 1,087,098; Feb. 17; Gaz. vol. 199; p. 623.
- Ayob, Ameen, Spokane, Wash. Attachment for sewing-machines. No. 1,122,243; Dec. 29; Gaz. vol. 209; p. 1323.
- Ayres, Asher, *et al.* (See Jordan, George D., assignor.)
- Ayres, Elwood B., assignor to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Leather-drier. No. 1,106,271; Aug. 4; Gaz. vol. 205; p. 236.
- Ayres, Elwood B., assignor to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Leather-drier. No. 1,106,272; Aug. 4; Gaz. vol. 205; p. 237.
- Ayres, Frank W., and R. A. Barnett, Fruitvale, Cal. Signal-sign for vehicles. No. 1,102,564; July 7; Gaz. vol. 204; p. 120.
- Ayres, George W., Rolla, Mo. Hame-trace. No. 1,093,905; Apr. 21; Gaz. vol. 201; p. 682.
- Ayres, George W., assignor of one-fourth to E. A. Dean and one-fourth to G. A. Skyles, Rolla, Mo. Self-buttoner for shoes. No. 1,088,316; Feb. 24; Gaz. vol. 199; p. 1093.
- Ayres, George W., assignor of one-fourth to E. A. Dean and one-fourth to G. A. Skyles, Rolla, Mo. Lacing device. No. 1,094,357; Apr. 21; Gaz. vol. 201; p. 829.
- Ayres, Sereno N., Plainfield, N. J. Ignition device. No. 1,108,665; Aug. 25; Gaz. vol. 205; p. 1216.
- Ayres, Wallace S., Hazleton, Pa. Apparatus for treating soft or bituminous coal for the separation of slate therefrom. No. 1,086,502; Feb. 10; Gaz. vol. 199; p. 367.
- Ayres, Wallace S., Hazleton, Pa. Treating soft or bituminous coal or the like. No. 1,086,503; Feb. 10; Gaz. vol. 199; p. 367.
- Ayres, Wallace S., Hazleton, Pa. Separating apparatus. No. 1,094,621; Apr. 28; Gaz. vol. 201; p. 983.
- Ayres, William G., Cynwyd, Pa. Holding means for horse-blankets. No. 1,094,188; Apr. 21; Gaz. vol. 201; p. 777.
- Ayres, William H., Baltimore, Md., assignor to American Can Company, New York, N. Y. Dressing up cutting-tools. No. 1,096,009; May 12; Gaz. vol. 202; p. 321.
- Ayrton, Hertha, Hyde Park, London, England. Arc-light carbon. No. 1,115,480; Nov. 3; Gaz. vol. 208; p. 4.
- Azrikan, Burman, Buffalo, N. Y. Combined folding desk and chair. No. 1,121,965; Dec. 22; Gaz. vol. 209; p. 1188.
- B. Jahn Manufacturing Company, The. (See Jahn, Berthold, assignor.)
- B. A. Ballou and Company. (See Heaton, Charles D., assignor.)
- B. A. Ballou & Company. (See Smith, Henry G., assignor.)
- B. F. Avery & Sons. (See Ray, Charles T., assignor.)
- B. F. Goodrich Company, The. (See Converse and Kress, assignors.)
- B. F. Goodrich Company, The, *et al.* (See Dees, Mark A., assignor.)
- B. F. Goodrich Company, The. (See Gammeter, John R., assignor.)
- B. F. Goodrich Company, The. (See Joseph, John F., assignor.)
- B. F. Goodrich Company, The. (See Kepler, Irwin F., assignor.)
- B. F. Goodrich Company, The. (See Shaw, Edwin C., assignor.)
- B. F. Goodrich Company, The. (See Spence, David, assignor.)
- B. F. Goodrich Company, The. (See Spence and Russell, assignors.)
- B. F. Goodrich Company, The, *et al.* (See Wagenhorst, James H., assignor.)
- B. F. Keith Theatre Company of Boston. (See Larsen and Morrell, assignors.)
- B. F. Meeks Sons. (See Carter, William, assignor.)
- B. F. Perkins & Son. (See Murphy, James A., assignor.)
- B. F. Perkins & Son. (See Putnam, William H. and C. W., assignors.)
- B. F. Perkins & Son. (See Stanley, John O., assignor.)
- B. F. Sturtevant Company. (See Allen, George W., assignor.)
- B. F. Sturtevant Company. (See Bentley, Oliver D. H., assignor.)
- B. F. Sturtevant Company. (See Freeman, Ernest B., assignor.)
- B. F. Sturtevant Company. (See Matchette, Louis D., assignor.)
- B. F. Sturtevant Company. (See Watt, Charles S., assignor.)
- B. L. Fry Manufacturing Company. (See Fry, Benjamin L., assignor.)
- B. T. Babbitt, Inc. (See Pullen, Edward P., assignor.)
- B. V. D. Company, The. (See Erlanger, Milton S., assignor.)
- B. V. D. Company, The. (See Erlanger, Sidney C., assignor.)
- B. V. D. Company, The. (See Heyn, Edmund C., assignor.)
- Baach, John, Jr., assignor to Wittemann Brothers, New York, N. Y. Siphon-head. No. 1,107,738; Aug. 18; Gaz. vol. 205; p. 847.
- Baade, Andrew N., Spokane, Wash. Rotary pump. No. 1,112,515; Oct. 6; Gaz. vol. 207; p. 36.
- Baader, Stephan, Philadelphia, Pa. Reversing-gear. No. 1,088,255; Feb. 24; Gaz. vol. 199; p. 1072.
- Baader, Stephan, Philadelphia, Pa. Reversing-gear. No. 1,098,548; June 24; Gaz. vol. 203; p. 68.
- Baas, Jacob, Darmstadt, Germany. Lift. No. 1,107,739; Aug. 18; Gaz. vol. 205; p. 847.
- Babb, Charles H. (See Schutz, Joseph M., assignor.)
- Babb, Harry M., Portland, Me., assignor to J. D. Bascom, St. Louis, Mo. Draft-hook. No. 1,118,618; Nov. 24; Gaz. vol. 208; p. 1221.
- Babb, Jesse D., Dallas, Ga. Sash-lock. No. 1,102,710; July 7; Gaz. vol. 204; p. 170.
- Babbitt, Benton H., Chicago, Ill. Combined carrying-case and display device. No. 1,086,746; Feb. 10; Gaz. vol. 199; p. 452.
- Babbitt, Elwin J., assignor of one-third to L. G. Riley, Onaway, and one-third to C. R. Willing, Millersburg, Mich. Music-holder. No. 1,092,625; Apr. 7; Gaz. vol. 201; p. 173.
- Babcock, Edward O., Niagara Falls, N. Y. Changeable exhibitor. No. 1,115,884; Nov. 3; Gaz. vol. 208; p. 142.
- Babcock, Elvin B., Seattle, Wash. Gas-burner. No. 1,101,233; June 23; Gaz. vol. 203; p. 1119.
- Babcock, Elvin B., and P. F. Widholm, Seattle, Wash. Heating-boiler. No. 1,101,776; June 30; Gaz. vol. 203; p. 1356.
- Babcock, Frank H. (See Bethune and Babcock.)
- Babcock, Frank H., Pittsburgh, Pa. Safety device for water-gages. No. 1,117,758; Nov. 17; Gaz. vol. 208; p. 881.
- Babcock, Frank H., Punxsutawney, Pa. Shock-absorber. No. 1,120,885; Dec. 15; Gaz. vol. 209; p. 775.
- Babcock, Frank J., East Syracuse, assignor to The Syracuse Baler Company, Syracuse, N. Y. Baling-press. No. 1,121,449; Dec. 15; Gaz. vol. 209; p. 971.
- Babcock, Henry D., Leonardsville, F. C. Wells, Holland Patent, and J. W. Brown, River Forks, assignors to Charles H. Childs & Company, Utica, N. Y. Dust-spraying machine. No. 1,107,015; Aug. 11; Gaz. vol. 205; p. 541.
- Babcock, Ira J. (See McNeill and Babcock.)
- Babcock & Wilcox Company, The. (See Bell, John E., assignor.)
- Babcock & Wilcox Company, The. (See Hoxie, William D., assignor.)
- Babcock & Wilcox Company, The. (See Irish, David J., assignor.)
- Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
- Babcock & Wilcox Company, The. (See Jones, William A., assignor.)
- Babcock & Wilcox Company, The. (See Peabody and Irish, assignors.)
- Babcock & Wilcox Company, The. (See Roseathal, James H., assignor.)

Alphabetical list of patentees—Continued.

- Babcock & Wilcox Company, The. (See Rosenthal and Davy, assignors.)
- Babcock & Wilcox Company, The. (See Safberg, Bror F., assignor.)
- Babcock & Wilcox Company, The. (See Sewall, Minott W., assignor.)
- Babcock & Wilcox Company, The. (See Sewall, Jacobus, and Palmer, assignors.)
- Babcock & Wilcox Limited. (See Wylie, Hamilton N., assignor.)
- Babendreer, Albert, and C. R. Wassell, Ocean Springs, Miss. Antifreezing device. No. 1,091,472; Mar. 31; Gaz. vol. 200; p. 1121.
- Babini, Louis, Brooklyn, N. Y., assignor to American Adding Machine Corporation. Adding-machine. No. 1,108,115; Aug. 25; Gaz. vol. 205; p. 1025.
- Babitzky, Josef, Cleveland, Ohio. Lifting device. No. 1,104,338; July 21; Gaz. vol. 204; p. 822.
- Babos, Lacey, Winslow, Wash. Wrench. No. 1,122,462; Dec. 29; Gaz. vol. 209; p. 1396.
- Babson & Dow Manufacturing Company. (See Babson, Roger D., assignor.)
- Babson, Nathaniel H., assignor of one-half to A. F. Pittee, Rockport, Mass. Railway rolling-stock. No. 1,101,611; June 30; Gaz. vol. 203; p. 1301.
- Babson, Roger D., Brookline, assignor to Babson & Dow Manufacturing Company, Boston, Mass. Nurling-tool. No. 1,116,005; Nov. 3; Gaz. vol. 208; p. 184.
- Babst, Emile M. (See Goreau and Babst.)
- Baca, August, Fayetteville, Tex. Railway-tie. No. 1,092,005; Mar. 31; Gaz. vol. 200; p. 1305.
- Bach, Anton M., San Francisco, Cal. Internal-combustion engine. No. 1,106,024; Aug. 4; Gaz. vol. 205; p. 154.
- Bach, Frank. (See Leissle and Bach.)
- Bach, Frederick A. (See Würner, Johannes, assignor.)
- Bach, Niels B., Modjoherto, Java. Making superior sugar. No. 1,104,095; July 21; Gaz. vol. 204; p. 739.
- Bache, Leigh S., assignor to The Graphite Lubricating Company, Boundbrook, N. J. Oilless bearing. No. 1,122,230; Dec. 22; Gaz. vol. 209; p. 1278.
- Bache, Leigh S., assignor to Graphite Lubricating Company, Boundbrook, N. J. Oilless bearing. No. 1,122,565; Dec. 29; Gaz. vol. 209; p. 1431.
- Bache-Wüg, Carl, Berlin, N. H., assignor of one-half to H. J. Chisholm, New York, N. Y. Preparing pulp. No. 1,084,244; Jan. 13; Gaz. vol. 198; p. 359.
- Bachelder, Herbert W., Herkimer, N. Y. Engine-starter. No. 1,106,180; Aug. 4; Gaz. vol. 205; p. 208.
- Bachelet, Emile, Mount Vernon, N. Y., assignor of one-half to M. R. Bracewell, North Adams, Mass. Levitating apparatus for starting and stopping aeroplanes and the like. No. 1,088,511; Feb. 24; Gaz. vol. 199; p. 1158.
- Bachle, Frank X., and J. C. L. Krebs, Clyde, Ohio. Internal-combustion engine. No. 1,115,481; Nov. 3; Gaz. vol. 208; p. 5.
- Bachle, Frank X., and W. W. Wells, assignors to The Krebs Commercial Car Company, Clyde, Ohio. Engine-governor. No. 1,117,759; Nov. 17; Gaz. vol. 208; p. 881.
- Bachman, Hugo J., Denver, Colo. Internal-combustion engine. No. 1,087,566; Feb. 17; Gaz. vol. 199; p. 788.
- Bachmann, Christof, Bagby, Cal. Section-holder for hives. No. 1,103,467; July 14; Gaz. vol. 204; p. 478.
- Bachmann, Christof, Bagby, Cal. Beehive. No. 1,103,468; July 14; Gaz. vol. 204; p. 478.
- Bachmayer, Joseph J. (See Saxton and Bachmayer.)
- Bacho, Frederick W., et al. (See Bahr, William F., assignor.)
- Bachowski, Harry, and R. Cohen, New York, N. Y. Sanitary garbage-can. No. 1,115,375; Oct. 27; Gaz. vol. 207; p. 1173.
- Bachrach, David, Baltimore, Md. Making compounds of nitrocellulose and similar substances. (Reissue.) No. 13,793; Sept. 1; Gaz. vol. 206; p. 281.
- Bacilieri, Achille. (See Bolognesi, Alfredo, assignor.)
- Back, August C., Spring Hill, Kans. Name-clip. No. 1,120,785; Dec. 15; Gaz. vol. 209; p. 740.
- Back, John R., Worcester, Mass. Spindle and gear bearing for lathes. No. 1,103,645; July 14; Gaz. vol. 204; p. 544.
- Backert, John C., Brooklyn, N. Y. Cutting-machine for rules and slugs. No. 1,114,329; Oct. 20; Gaz. vol. 207; p. 753.
- Backstrom, Henning, Chicago, Ill. Window-screen. No. 1,112,590; Oct. 6; Gaz. vol. 207; p. 65.
- Backus, Edward A., Little Rock, Ark. Lubricator. No. 1,106,273; Aug. 4; Gaz. vol. 205; p. 237.
- Backus, Oscar E., Milwaukee, Wis. Button. No. 1,088,393; Feb. 24; Gaz. vol. 199; p. 1119.
- Bacon, Albert E. (See Sharp and Bacon.)
- Bacon, Albert E., Germantown, Pa., assignor to Haines, Jones & Cadbury, Incorporated. Compression-stop and waste. No. 1,096,885; May 19; Gaz. vol. 202; p. 661.
- Bacon, Ebenezer S., Detroit, Mich., assignor of one-half to J. S. Hanley, Buffalo, N. Y. Dry-soap-delivery apparatus. No. 1,095,542; May 5; Gaz. vol. 202; p. 127.
- Bacon, Frank P., Los Angeles, Cal. Spring-wheel. No. 1,090,373; Mar. 17; Gaz. vol. 200; p. 673.
- Bacon, George M., assignor to Anderson Electric Car Company, Detroit, Mich. Control mechanism for motor-vehicles. No. 1,104,161; July 21; Gaz. vol. 204; p. 760.
- Bacon, Raymond F., and C. W. Clark, Pittsburgh, Pa. Treatment of petroleum hydrocarbons. No. 1,101,482; June 23; Gaz. vol. 203; p. 1204.
- Bacon, William S. (See Cooley and Bacon.)
- Badcock, Shirley J., Astoria, Oreg. Nut-lock. No. 1,086,980; Feb. 10; Gaz. vol. 199; p. 533.
- Baddeley, Rose M., Onehunga, New Zealand. Skeleton frame and receptacle. No. 1,103,646; July 14; Gaz. vol. 204; p. 544.
- Baddiley, James. (See Levinstein and Baddiley.)
- Bade, Franz, Peine, Germany. Rock-drilling machine. No. 1,087,706; Feb. 17; Gaz. vol. 199; p. 838.
- Bader, Gustav A., Rochester, N. Y. Eyeglass-mounting. No. 1,094,512; Apr. 28; Gaz. vol. 201; p. 945.
- Bader, Gustav A., Rochester, N. Y. Eyeglass-mounting. No. 1,116,363; Nov. 10; Gaz. vol. 208; p. 346.
- Badger Brass Mfg. Co., The. (See Starr and White, assignors.)
- Badger, Charles E., and F. G. Halladay, Appleton, Wis. Brake for hand-trucks. No. 1,106,913; Aug. 11; Gaz. vol. 205; p. 508.
- Badger Concrete Mixer and Machinery Co., The. (See Sexton, George L., assignor.)
- Badgley, Forrest C. (See La Dow, Jesse E., assignor.)
- Badig, Cornell, and S. Berger, New York, N. Y. Funnel. No. 1,091,271; Mar. 24; Gaz. vol. 200; p. 1013.
- Badini, Angelo, New York, N. Y. Fountain-pen. No. 1,107,641; Aug. 18; Gaz. vol. 205; p. 813.
- Badische Anilin & Soda Fabrik. (See Bally, Oscar, assignor.)
- Badische Anilin & Soda Fabrik. (See Bally and Wolff, assignors.)
- Badische Anilin & Soda Fabrik. (See Bentz, Ernest, assignor.)
- Badische Anilin & Soda Fabrik. (See Bergs, Engelbert, assignor.)
- Badische Anilin & Soda Fabrik. (See Blangey, Louis, assignor.)
- Badische Anilin & Soda Fabrik. (See Bohn, René, assignor.)
- Badische Anilin & Soda Fabrik. (See Bohn and Immerheiser, assignors.)
- Badische Anilin & Soda Fabrik. (See Bosch, Carl, assignor.)
- Badische Anilin & Soda Fabrik. (See Bosch and Mittasch, assignors.)
- Badische Anilin & Soda Fabrik. (See Bosch and Wild, assignors.)
- Badische Anilin & Soda Fabrik. (See Bosch, Mittasch, Wolf, and Stern, assignors.)
- Badische Anilin & Soda Fabrik. (See Graul, Otto, assignor.)
- Badische Anilin & Soda Fabrik. (See Isler, Max H., assignor.)
- Badische Anilin & Soda Fabrik. (See Isler and Bally, assignors.)
- Badische Anilin & Soda Fabrik. (See Kačer, Filip, assignor.)
- Badische Anilin & Soda Fabrik. (See Lindner, Felix, assignor.)
- Badische Anilin & Soda Fabrik. (See Lüttringhaus, Lohse, and Sapper, assignors.)
- Badische Anilin & Soda Fabrik. (See Mittasch and Morawitz, assignors.)
- Badische Anilin & Soda Fabrik. (See Müller, Friedrich, assignor.)
- Badische Anilin & Soda Fabrik. (See Münch, Eduard, assignor.)
- Badische Anilin & Soda Fabrik. (See Pollak, Leopold, assignor.)
- Badische Anilin & Soda Fabrik. (See Reinking and Stieglmann, assignors.)
- Badische Anilin & Soda Fabrik. (See Schlegel and Pfister, assignors.)
- Badische Anilin & Soda Fabrik. (See Schmid, Henri, assignor.)
- Badische Anilin & Soda Fabrik. (See Schmidt and Müller, assignors.)
- Badische Anilin & Soda Fabrik. (See Webel, Franz, assignor.)
- Badische Anilin & Soda Fabrik. (See Wolf, Hans, assignor.)
- Baechler, Charles, Lompoc, Cal. Making photostereotypes for typographic printing-presses. No. 1,088,512; Feb. 24; Gaz. vol. 199; p. 1158.
- Baehni, Frederick, New York, N. Y. Shelving. No. 1,113,183; Oct. 13; Gaz. vol. 207; p. 308.
- Backeland, Leo H., Yonkers, assignor to General Bakelite Company, New York, N. Y. Protective coating composition. No. 1,085,100; Jan. 27; Gaz. vol. 198; p. 709.
- Backeland, Leo H., Yonkers, assignor to General Bakelite Company, New York, N. Y. Infusible condensation product of meta-cresol and formaldehyde. No. 1,088,677; Mar. 3; Gaz. vol. 200; p. 3.
- Backeland, Leo H., Yonkers, assignor to General Bakelite Company, New York, N. Y. Infusible condensation product. No. 1,088,678; Mar. 3; Gaz. vol. 200; p. 3.
- Baer, Walter H., New York, N. Y. Tobacco-pipe appliance. No. 1,088,513; Feb. 24; Gaz. vol. 199; p. 1158.

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- Baerlocher, Robert F., Brighton, England. Means for operating liquid electric controllers and starters. No. 1,101,050; June 23; Gaz. vol. 203; p. 1056.
- Bagaasen, Wilhelm O., Hayward, Minn. Table. No. 1,118,725; Nov. 24; Gaz. vol. 208; p. 1257.
- Bagby, James A., Stockport, Iowa. Clamp. No. 1,097,285; May 19; Gaz. vol. 202; p. 804.
- Bagby, Logan H. (See Jones and Coffman, assignors.)
- Bagby, Robert T., Whitney, N. C. Concrete railway-tie. No. 1,086,981; Feb. 10; Gaz. vol. 199; p. 533.
- Bager, Svaute R. W. M., Milwaukee, assignor to Bucyrus Company, South Milwaukee, Wis. Drag-line excavator. No. 1,105,480; July 28; Gaz. vol. 204; p. 1270.
- Baggs, Andrew J. (See Bines, William H., assignor.)
- Bagley, Allen, Ypsilanti, Mich. Continuous rail. No. 1,094,189; Apr. 21; Gaz. vol. 201; p. 777.
- Bagley, Gilbert H., Deapolis, N. D. Whip-socket. No. 1,094,413; Apr. 28; Gaz. vol. 201; p. 909.
- Bagley, John N., Superior, Nebr. Oil-gage. No. 1,110,474; Sept. 15; Gaz. vol. 206; p. 655.
- Bagley, Mariou L., Alameda, Cal. Hat-pin. No. 1,083,425; Jan. 6; Gaz. vol. 198; p. 56.
- Bagnall, Alfred, Philadelphia, Pa., assignor to Scott Paper Company. Fixture for supplying paper, &c., from rolls. No. 1,105,951; Aug. 4; Gaz. vol. 205; p. 127.
- Bagnall, Arthur G., and J. A. Taylor, Cleveland, Ohio. Combined plaster and cement base-screed. No. 1,110,369; Sept. 15; Gaz. vol. 206; p. 617.
- Bagnall, Edward, assignor to Zoffler Plate Glass Manufacturing Company, Pittsburgh, Pa. Glass-grinding table. No. 1,121,452; Dec. 15; Gaz. vol. 209; p. 972.
- Bagrachow, Gregoire, Paris, France. Impregnating the filaments and mantles used in incandescent gas-lighting. No. 1,108,116; Aug. 25; Gaz. vol. 205; p. 1025.
- Baguley, George F. R. (See Dawson and Finlay, assignors.)
- Bagwell, Junius H., Greenville, S. C., assignor to Draper Company, Hopedale, Mass. Bobbin-smash preventer. No. 1,115,885; Nov. 3; Gaz. vol. 208; p. 142.
- Bahan, George F., and F. R. Chadwick, Charlotte, N. C. Bobbin-strapper. No. 1,121,602; Dec. 22; Gaz. vol. 209; p. 1060.
- Bahlsen, Hermann, Hanover, Germany. Box-opener. No. 1,083,372; Jan. 27; Gaz. vol. 198; p. 804.
- Bahmiller, John, Salem, Ohio. Fastening for plane-bits. No. 1,092,326; Apr. 7; Gaz. vol. 201; p. 71.
- Bahnemann, Gustav. (See Goodland and Bahnemann.)
- Bahner, Joseph, Philadelphia, Pa. Corn-planter. No. 1,095,136; Apr. 28; Gaz. vol. 201; p. 1163.
- Bahney, Wes, South Bend, Ind. Door-stop. No. 1,094,414; Apr. 28; Gaz. vol. 201; p. 910.
- Bahnson, Frederic F. (See Lawrence and Bahnson.)
- Bähr, Gottfried, Schramberg, and H. Dobesch, assignors to Senfgefäß-Werke, Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Container having appliance for discharging the contents thereof. No. 1,093,965; Apr. 21; Gaz. vol. 201; p. 701.
- Bahr, William F., Fowl River, assignor of two-thirds to F. W. Bacho, Mobile, and R. A. Howard, Fowl River, Ala. Self-cleaning rake. No. 1,094,770; Apr. 28; Gaz. vol. 201; p. 1038.
- Bahruth, Clarence A., Arkansas City, Kans. Valve. No. 1,086,982; Feb. 10; Gaz. vol. 199; p. 533.
- Baier, Fredrick, Chicago, Ill., assignor, by mesne assignments, to The Swiss Magneto Company, Buffalo, N. Y. Electric-conductor coupling. No. 1,110,475; Sept. 15; Gaz. vol. 206; p. 656.
- Bailey, Alfred A. (See Templeton and Bailey.)
- Bailey, Almont A., Jr., Portland, Oreg. Linotype-mold. No. 1,091,724; Mar. 31; Gaz. vol. 200; p. 1209.
- Bailey, Anna D., New York, N. Y. Dress-form. No. 1,102,711; July 7; Gaz. vol. 204; p. 170.
- Bailey, Archie W., Wheeling, Mo. Tongue-truck. No. 1,118,837; Nov. 24; Gaz. vol. 208; p. 1293.
- Bailey, Bert, Regan, N. D. Wagon. No. 1,103,556; July 14; Gaz. vol. 204; p. 509.
- Bailey, Carl C., Brunswick, Ohio. Resilient wheel. No. 1,117,623; Nov. 17; Gaz. vol. 208; p. 830.
- Bailey, Charles F., Hampton, and J. Mortimer, Newport News, Va. Air-register for apparatus burning atomized fuel. No. 1,101,723; June 30; Gaz. vol. 203; p. 1337.
- Bailey, Clyde, Penland, N. C. Railway-tie. No. 1,085,841; Feb. 3; Gaz. vol. 199; p. 94.
- Bailey, De Witt C., Mulberry, Fla. Pipe-coupling. No. 1,097,508; May 19; Gaz. vol. 202; p. 879.
- Bailey, Ervin G., Newton Highlands, Mass. Functional integrating device. No. 1,087,915; Feb. 24; Gaz. vol. 199; p. 953.
- Bailey, Ervin G., Newton Highlands, Mass. Pressure-tight bearing. No. 1,089,739; Mar. 10; Gaz. vol. 200; p. 413.
- Bailey, Ervin G., Newton Highlands, Mass. Radii-averaging instrument. No. 1,107,740; Aug. 18; Gaz. vol. 205; p. 848.
- Bailey, Ervin G., Newton Highlands, Mass. Pressure-gage. No. 1,123,163; Dec. 29; Gaz. vol. 209; p. 1644.
- Bailey, Ervin G., Newton, Mass. Pressure-gage. No. 1,123,164; Dec. 29; Gaz. vol. 209; p. 1645.
- Bailey, Frank, Minneapolis, Minn. Mail-distributing basket. No. 1,098,702; June 2; Gaz. vol. 203; p. 119.
- Bailey, Frank L. (See Anderson, Bailey, and Cummings.)
- Bailey, Fred C., Woburn, assignor of one-half to R. E. J. D., W. R., and J. J. Harrison, South Boston, Mass. Governor. No. 1,120,434; Dec. 8; Gaz. vol. 209; p. 568.
- Bailey, George W., Arlington, Va. Perpetual calendar. No. 1,109,814; Sept. 8; Gaz. vol. 206; p. 378.
- Bailey, Gilbert E. (See Quiggle and Bailey.)
- Bailey, Gilbert E., assignor to The Ferrochem Company, Los Angeles, Cal. Water-softener. No. 1,092,327; Apr. 7; Gaz. vol. 201; p. 71.
- Bailey, Gilbert E., Los Angeles, Cal., assignor to Ferrochem Company. Composition for treating boiler feed-water. No. 1,096,344; May 12; Gaz. vol. 202; p. 437.
- Bailey, Gilbert E., and B. A. Hatch, assignors to The Ferrochem Company, Los Angeles, Cal. Softening water. No. 1,108,544; Aug. 25; Gaz. vol. 205; p. 1175.
- Bailey, Harry E., and C. Parsons, Green Castle, Mo. Valve for internal-combustion engines. No. 1,089,620; Mar. 10; Gaz. vol. 200; p. 372.
- Bailey, Harvey. (See Bailey, Harvey W., assignor.)
- Bailey, Harvey W., assignor to H. Bailey, Portland, Oreg. Concentrator. No. 1,111,687; Sept. 22; Gaz. vol. 206; p. 1120.
- Bailey, James F., assignor of one-half to F. T. Sutherland, Jacksonville, Fla. Wrench. No. 1,092,133; Apr. 7; Gaz. vol. 201; p. 3.
- Bailey, James F., assignor of one-half to F. T. Sutherland, Jacksonville, Fla. Recording clock. No. 1,101,385; June 23; Gaz. vol. 203; p. 1170.
- Bailey, James M., Buenos Aires, Argentina. Internal-combustion engine. No. 1,110,861; Sept. 15; Gaz. vol. 206; p. 792.
- Bailey, James R., assignor of one-half to James Lees, Moss Vale, New South Wales, Australia. File for household accounts and the like. No. 1,117,126; Nov. 10; Gaz. vol. 208; p. 616.
- Bailey, John A., Brice, Tex. Dirigible automobile lamp-support. No. 1,112,666; Oct. 6; Gaz. vol. 207; p. 91.
- Bailey, John B., Forest Hill, Md. Apparatus for cooking fruits and vegetables. No. 1,085,521; Jan. 27; Gaz. vol. 198; p. 852.
- Bailey, Linfield G., Edwards, Mo. Water-grate. No. 1,119,216; Dec. 1; Gaz. vol. 209; p. 111.
- Bailey, Merritt J., et al. (See Akes, Charles Y., assignor.)
- Bailey, Percy T., Middletown, R. I. Post-anchor. No. 1,107,016; Aug. 11; Gaz. vol. 205; p. 541.
- Bailey, Robert L., assignor to A. L. MacLeod, Portland, Oreg. Variable-speed transmission mechanism for motor-cycles. No. 1,110,249; Sept. 8; Gaz. vol. 206; p. 534.
- Bailey, Samuel R., Amesbury, Mass. Automobile running-gear. No. 1,095,137; Apr. 28; Gaz. vol. 201; p. 1163.
- Bailey, Samuel R., Amesbury, Mass. Ball-and-socket connection. No. 1,097,384; May 19; Gaz. vol. 202; p. 837.
- Bailey, Seth G., assignor to The Bailey Theater Fly-Rail Machine Company, Denver, Colo. Scenery-handling apparatus. No. 1,091,109; Mar. 24; Gaz. vol. 200; p. 958.
- Bailey Theater Fly-Rail Machine Company, The. (See Bailey, Seth G., assignor.)
- Bailey, Theodor S., Quincy, Mass. Mechanism for firing torpedoes. No. 1,094,963; Apr. 28; Gaz. vol. 201; p. 1105.
- Bailey, Walter F., assignor of one-half to A. L. Scott, Los Angeles, Cal. Portable fire-escape. No. 1,122,566; Dec. 29; Gaz. vol. 209; p. 1431.
- Bailey, William, Birmingham, England, assignor to The Crown Cork and Seal Co., Baltimore, Md. Stoppering crown or cap for bottles and the like. No. 1,110,862; Sept. 15; Gaz. vol. 206; p. 792.
- Bailey, William A., Lincoln, Nebr. Game-board. No. 1,092,006; Mar. 31; Gaz. vol. 200; p. 1305.
- Bailey, William E., Beverly, assignor to Arbetter Felling Machine Company, Boston, Mass. Machine for felling waistbands of trousers. No. 1,087,268; Feb. 17; Gaz. vol. 199; p. 684.
- Bailey, William E., Beverly, assignor to Arbetter Felling Machine Company, Boston, Mass. Blindstitch sewing-machine. No. 1,091,619; Mar. 31; Gaz. vol. 200; p. 1173.
- Baillard, George V., New York, N. Y. Vehicle-tire. No. 1,101,828; June 30; Gaz. vol. 203; p. 1374.
- Baillot, Jules, Montmagny, Quebec, Canada. Core for lining converters. No. 1,108,880; Sept. 1; Gaz. vol. 206; p. 5.
- Bailly, Gabriel E. (See Rice and Bailly.)
- Bailor, Silas E., Atchison, Kans. Cultivator. No. 1,084,123; Jan. 13; Gaz. vol. 198; p. 317.
- Bail, Robert W., assignor to Interstate Manufacturing Company, Oskaloosa, Iowa. Hot-air furnace. No. 1,114,669; Oct. 20; Gaz. vol. 207; p. 871.
- Bain, Benjamin F., Pittsburgh, Pa. Mechanical toy. No. 1,113,945; Oct. 20; Gaz. vol. 207; p. 617.
- Bain, Benjamin L. (See Bain, Joseph S. and B. L.)
- Bain, Foré, La Grange, Ill. Air-conditioning apparatus. No. 1,115,767; Nov. 3; Gaz. vol. 208; p. 101.
- Bain, James G., Emporia, Kans. Balanced valve. No. 1,100,112; June 16; Gaz. vol. 203; p. 678.
- Bain, Joseph S. and B. L., Cedar Rapids, Iowa. Seed-corn-drying rack. No. 1,089,810; Mar. 10; Gaz. vol. 200; p. 437.

Alphabetical list of patentees—Continued.

- Baines, Henry C., assignor of one-third to G. B. Brink, Plymouth, and one-third to H. E. Edwards, Jackson, Mich. Internal-combustion engine. No. 1,096,665; May 12; Gaz. vol. 202; p. 543.
- Bainter, Elgar R., Good Hope, Ohio. Roller. No. 1,087,345; Feb. 17; Gaz. vol. 199; p. 710.
- Bair, Clarence L., Chicago, Ill., assignor to Auto Specialties Manufacturing Company, San Francisco, Cal. Vehicle top-bow hinge. No. 1,089,454; Mar. 10; Gaz. vol. 200; p. 314.
- Bair, Floyd M., Grand Ledge, Mich. Apple-sizer. No. 1,103,647; July 14; Gaz. vol. 204; p. 545.
- Bair, George R., assignor of one-half to R. Province, Chanute, Kans. Liquid-fuel burner. No. 1,098,657; June 2; Gaz. vol. 203; p. 103.
- Bair, Jonas B., Sandborn, Ind. Washing-machine. No. 1,121,450; Dec. 15; Gaz. vol. 209; p. 971.
- Bair, Joseph H., Philadelphia, Pa. Ticket-printing machine. No. 1,083,267; Jan. 6; Gaz. vol. 198; p. 3.
- Baird, Andrew D., and E. J. Favor, Medford, Mass. Washing-machine. No. 1,121,451; Dec. 15; Gaz. vol. 209; p. 972.
- Baird, Archie M., assignor of one-half to H. W. Jacobs, Topeka, Kans. Boiler. No. 1,115,156; Oct. 27; Gaz. vol. 207; p. 1099.
- Baird, Archie M., Topeka, Kans., assignor to J. S. Coffin, Englewood, N. J. Oxyacetylene-torch. No. 1,116,204; Nov. 3; Gaz. vol. 208; p. 252.
- Baird, Archie M., and H. D. Palmer, Topeka, Kans. Oil-burner. No. 1,111,520; Sept. 22; Gaz. vol. 206; p. 1062.
- Baird, Archie M., and G. E. Stolpe, Topeka, Kans. Flue-cleaner. No. 1,120,359; Dec. 8; Gaz. vol. 209; p. 541.
- Baird Corn Husker Co. (See Baird, William S., assignor.)
- Baird, Frank T., Blue Island, Ill. Portable self-contained electric lamp. No. 1,088,120; Feb. 24; Gaz. vol. 199; p. 1027.
- Baird, Fred J. (See Hickey and Baird.)
- Baird, Frederick C., *et al.* (See Pietrafesa, Victor, assignor.)
- Baird, James B., Canton, Ohio. Cooling-floor tile. No. 1,119,789; Dec. 8; Gaz. vol. 209; p. 341.
- Baird Machine Company, The. (See Lewis, Arthur J., assignor.)
- Baird, Mary A., Sterling, Ill. Flat-iron holder. No. 1,104,764; July 28; Gaz. vol. 204; p. 1018.
- Baird, Mortimer M., Rochester, N. Y. Furnace. No. 1,109,503; Sept. 1; Gaz. vol. 206; p. 227.
- Baird, William S., Urbana, Ill., assignor to Electric Score Board Company, Boston, Mass. Score-board or the like. No. 1,102,218; June 30; Gaz. vol. 203; p. 1514.
- Baird, William S., Chicago, Ill., assignor to Baird Corn Husker Co. Corn-harvesting machine. No. 1,102,227; July 7; Gaz. vol. 204; p. 3.
- Bajar, Martin, assignor of one-half to J. Maksin, Vanderbilt, Pa. Antiskid attachment for vehicle-wheels. No. 1,118,390; Nov. 24; Gaz. vol. 208; p. 1140.
- Bakels, William C., Midland Park, N. J. Automatic air-supply system for automobiles. No. 1,111,556; Sept. 22; Gaz. vol. 206; p. 1073.
- Baken, Melvin P., Hayfield, Minn. Egg-testing device. No. 1,106,127; Aug. 4; Gaz. vol. 205; p. 191.
- Baker, Andrew C., Albion, Mich. Dump-wagon. No. 1,102,852; July 7; Gaz. vol. 204; p. 220.
- Baker, Andrew H., Brockton, Mass. Poultry feeder and exerciser. No. 1,094,110; Apr. 21; Gaz. vol. 201; p. 750.
- Baker, Arthur D., South Bend, Ind. Sulky-plow. No. 1,100,938; June 23; Gaz. vol. 203; p. 1018.
- Baker, Arthur J., assignor to the Cincinnati Milling Machine Company, Oakley, Cincinnati, Ohio. Means increasing cutter efficiency. No. 1,093,581; Apr. 14; Gaz. vol. 201; p. 527.
- Baker, Arthur J., and R. T. Hazelton, Cincinnati, assignors to The Cincinnati Milling Machine Company, Oakley, Ohio. Chip-confining frame. No. 1,096,588; May 12; Gaz. vol. 202; p. 516.
- Baker, Bert C., Fostoria, assignor of one-half to A. M. Smith, Prairie Depot, and one-half to E. S. Smith, Toledo, Ohio. Fence-post mold. No. 1,103,247; July 14; Gaz. vol. 204; p. 405.
- Baker Brothers. (See Hallenbeck, George E., assignor.)
- Baker, Burley E. (See Quick and Baker.)
- Baker, Burton E., Hartford, Conn. Influence-machine. No. 1,086,010; Feb. 3; Gaz. vol. 199; p. 154.
- Baker, Carey H., Watonsville, Cal. Fruit-grading machine. No. 1,089,034; Mar. 3; Gaz. vol. 200; p. 123.
- Baker, Charles E. (See Raymond and Baker.)
- Baker, Charles G., Atchison, Kans. Boiler-tube tool. No. 1,116,205; Nov. 3; Gaz. vol. 208; p. 252.
- Baker, Charles H. (See Dickel and Baker.)
- Baker, Charles P., Painesville, Ohio. Vegetable-topping machine. No. 1,110,370; Sept. 15; Gaz. vol. 206; p. 617.
- Baker, Charles W., Montclair, N. J. Valve system for internal-combustion engines. No. 1,116,364; Nov. 10; Gaz. vol. 208; p. 346.
- Baker, David. (See Ladd and Baker.)
- Baker, Erle K. (See Hawley and Baker.)
- Baker, Erle K., assignor to Universal Rim Company, Chicago, Ill. Demountable wheel-rim. No. 1,095,775; May 5; Gaz. vol. 202; p. 206.
- Baker, Erle K., assignor to Universal Rim Company, Chicago, Ill. Automobile-wheel. No. 1,095,776; May 5; Gaz. vol. 202; p. 206.
- Baker, Erle K., assignor to University Rim Company, Chicago, Ill. Pneumatic-tire mounting. No. 1,095,777; May 5; Gaz. vol. 202; p. 207.
- Baker, Erle K., assignor to Universal Rim Company, Chicago, Ill. Demountable tire-rim. No. 1,095,778; May 5; Gaz. vol. 202; p. 207.
- Baker, Erle K., assignor to Universal Rim Company, Chicago, Ill. Automobile-wheel. No. 1,095,779; May 5; Gaz. vol. 202; p. 207.
- Baker, Erle K., assignor to Universal Rim Company, Chicago, Ill. Wheel for automobiles. No. 1,095,953; May 5; Gaz. vol. 202; p. 264.
- Baker, Erle K., assignor to Universal Rim Company, Chicago, Ill. Demountable rim for automobile-wheels. No. 1,100,816; June 23; Gaz. vol. 203; p. 973.
- Baker, Erle K., assignor to Universal Rim Company, Chicago, Ill. Demountable rim for automobile-wheels. No. 1,101,386; June 23; Gaz. vol. 203; p. 1170.
- Baker, Erle K., assignor to Universal Rim Company, Chicago, Ill. Vehicle-wheel. No. 1,123,065; Dec. 29; Gaz. vol. 209; p. 1608.
- Baker, Francis M., Viroqua, Wis. Harvester-reel. No. 1,085,076; Jan. 20; Gaz. vol. 198; p. 664.
- Baker, Frank. (See Nathan, Rintoul, and Baker.)
- Baker, Frank E., *et al.* (See Wingo, Richard T., assignor.)
- Baker, Frank E., Royal Oak, Mich., assignor to Detroit Tractor Company, La Fayette, Ind. Clutch. No. 1,120,663; Dec. 15; Gaz. vol. 209; p. 696.
- Baker, Frank E., Royal Oak, Mich., assignor to Detroit Tractor Company, La Fayette, Ind. Control mechanism. No. 1,120,664; Dec. 15; Gaz. vol. 209; p. 697.
- Baker, Frank E., Royal Oak, Mich., assignor to Detroit Tractor Company, La Fayette, Ind. Transmission-gearing. No. 1,120,665; Dec. 15; Gaz. vol. 209; p. 697.
- Baker, Fred, Downers Grove, Ill. Electric motor. No. 1,119,387; Dec. 1; Gaz. vol. 209; p. 169.
- Baker, George E., Scipioville, N. Y. Draft-regulating device. No. 1,116,534; Nov. 10; Gaz. vol. 208; p. 407.
- Baker, George J., *et al.* (See Wingo, Richard T., assignor.)
- Baker, George R. (See Baker, George S. and G. R.)
- Baker, George R., Vernon, Tex. Dirigible lamp for vehicles. No. 1,110,177; Sept. 8; Gaz. vol. 206; p. 511.
- Baker, George S., London, England. Machine for cutting dough or like plastic substances. No. 1,092,817; Apr. 14; Gaz. vol. 201; p. 279.
- Baker, George S., London, England. Biscuit-wrapping machine. No. 1,107,474; Aug. 18; Gaz. vol. 205; p. 754.
- Baker, George S., London, England. Machine for stacking, weighing, and feeding biscuits. No. 1,108,117; Aug. 25; Gaz. vol. 205; p. 1026.
- Baker, George S., London, England. Apparatus for treating dough preparatory to baking. No. 1,109,894; Sept. 8; Gaz. vol. 206; p. 407.
- Baker, George S., London, England. Chocolate-depositing machine. No. 1,118,619; Nov. 24; Gaz. vol. 208; p. 1221.
- Baker, George S. and G. R., London, England. Molding or shaping dough. No. 1,109,895; Sept. 8; Gaz. vol. 206; p. 408.
- Baker, George W., Wollstonecraft, North Sydney, New South Wales, Australia. Eyeglasses and the like. No. 1,085,522; Jan. 27; Gaz. vol. 198; p. 853.
- Baker, George W., New York, N. Y. Buckle. No. 1,094,831; Apr. 28; Gaz. vol. 201; p. 1059.
- Baker, Henry F., Gainesville, Ga. Oil-burner. No. 1,097,071; May 19; Gaz. vol. 202; p. 728.
- Baker Iron Works. (See Irvin, Leslie A., assignor.)
- Baker, J. L. (See Knox, George, assignor.)
- Baker, James E. (See De Grody, Martin M., assignor.)
- Baker, James H. (See Oder and Baker.)
- Baker, James R., Stockton, Cal. Nut and bolt lock. No. 1,100,939; June 23; Gaz. vol. 203; p. 1018.
- Baker, James R., Arlington, assignor to Cooper Hewitt Electric Co., Hoboken, N. J. Mercury-vapor apparatus. No. 1,091,180; Mar. 24; Gaz. vol. 200; p. 933.
- Baker, James W., Quitman, Tex. Andiron. No. 1,104,862; July 28; Gaz. vol. 204; p. 1053.
- Baker, John, Jr., assignor of one-half to W. P. Shaw, Los Angeles, Cal. Shock-absorber. No. 1,097,286; May 19; Gaz. vol. 202; p. 804.
- Baker, John F. (See Baker, Norbert L., R. P., and J. F.)
- Baker, John T., Baltimore, Md. Gas-fixture. No. 1,113,862; Oct. 13; Gaz. vol. 207; p. 550.
- Baker, John W., assignor to M. C. Baker, Stamford, Conn. Score board or bulletin. No. 1,119,388; Dec. 1; Gaz. vol. 209; p. 169.
- Baker, Jonathan H., E. Hensen, and O. M. Mowat, McKeesport, assignors to National Tube Company, Pittsburgh, Pa. Coupling-tapping machine. No. 1,085,785; Feb. 3; Gaz. vol. 199; p. 74.
- Baker, Joseph F., Barborton, Ohio. Crumb-tray. No. 1,095,490; May 5; Gaz. vol. 202; p. 110.
- Baker, Lewis A., Elgin, Ill. Can-filling machine. No. 1,105,173; July 28; Gaz. vol. 204; p. 1159.
- Baker, Lewis A., Elgin, Ill. Can-filling machine. No. 1,119,389; Dec. 1; Gaz. vol. 209; p. 170.

Alphabetical list of patentees—Continued.

- Baker & Lockwood Manufacturing Company. (See Lockwood, John F., assignor.)
- Baker, Lura D., Chicago, Ill. Eyelet. No. 1,121,157; Dec. 15; Gaz. vol. 209; p. 872.
- Baker, Mabel C. (See Baker, John W., assignor.)
- Baker, Mabel C. (See Henry, Augustus M., assignor.)
- Baker, Malcolm H., Boston, Mass., assignor to American Flaming Arc Lamp Company. Arc-lamp electrode. No. 1,118,464; Nov. 24; Gaz. vol. 208; p. 1167.
- Baker Manufacturing Company, The. (See Miller, John G., assignor.)
- Baker, Michael J. (See Sons, Baker, and Reitmeyer.)
- Baker Motor Vehicle Company, The. (See Gruenfeldt, Emil, assignor.)
- Baker, Nathan H., Fairfield, Iowa. Fly-trap. No. 1,120,119; Dec. 8; Gaz. vol. 209; p. 455.
- Baker, Nelson J. (See Brocker and Baker.)
- Baker, Nelson M. (See Stevenson and Baker.)
- Baker, Nelson M. (See Wells and Baker.)
- Baker, Nelson M., Southbridge, Mass. Ophthalmic mounting. No. 1,098,421; June 2; Gaz. vol. 203; p. 22.
- Baker, Nelson M., assignor to American Optical Company. Southbridge, Mass. Guard. No. 1,093,678; Apr. 21; Gaz. vol. 201; p. 606.
- Baker, Nelson M., Southbridge, assignor to American Optical Company, Worcester, Mass. Eyeglasses. No. 1,099,111; June 2; Gaz. vol. 203; p. 251.
- Baker, Nelson M., Southbridge, Mass., assignor to American Optical Company. Eyeglasses. No. 1,100,466; June 16; Gaz. vol. 203; p. 801.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Spectacles. No. 1,115,482; Nov. 3; Gaz. vol. 208; p. 5.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Eyeglasses and spectacles. No. 1,119,790; Dec. 8; Gaz. vol. 209; p. 341.
- Baker, Norbert L., R. P., and J. F., Elm Grove, assignors of one-fourth to P. F. Forrester, Wheeling, W. Va. Resilient tire. No. 1,088,053; Feb. 24; Gaz. vol. 199; p. 1003.
- Baker, Otto, Sparkill, N. Y. Trap for returning water of condensation. No. 1,104,954; July 28; Gaz. vol. 204; p. 1085.
- Baker, Peter, Worcester, Mass. Temporary sealing device for toilet-elbows. No. 1,099,158; June 9; Gaz. vol. 203; p. 312.
- Baker, Peter S., Logansport, Ind. Ground-leveler and moisture-retainer. No. 1,111,940; Sept. 29; Gaz. vol. 206; p. 1245.
- Baker, Ralph L. (See Fernoch and Baker.)
- Baker, Raymond P. (See Baker, Norbert L., R. P., and J. F.)
- Baker, Reuben C., Coalinga, Cal. Pump-plunger. No. 1,101,234; June 23; Gaz. vol. 203; p. 1119.
- Baker, Robert D., Detroit, Mich. Paving apparatus. No. 1,089,182; Mar. 3; Gaz. vol. 200; p. 177.
- Baker, Robert D., Detroit, Mich. Armored pavement-joint. No. 1,113,733; Oct. 13; Gaz. vol. 207; p. 504.
- Baker, Robert E., Cleveland, Ohio. Storage-bin. No. 1,088,762; Mar. 3; Gaz. vol. 200; p. 30.
- Baker, Robert G., *et al.* (See Newton, Frank W., assignor.)
- Baker, Samuel E. (See Murphy and Baker.)
- Baker, Stephen D., New York, N. Y. Urinal. No. 1,114,670; Oct. 20; Gaz. vol. 207; p. 872.
- Baker, Thaddeus R., Indianapolis, Ind. Means for attaching bolster-springs. No. 1,108,316; Aug. 25; Gaz. vol. 205; p. 1096.
- Baker, Thomas W., and F. P. Hepding, Chrome, N. J. Combined cooking and heating apparatus. No. 1,107,475; Aug. 18; Gaz. vol. 205; p. 754.
- Baker, Walter C., Cleveland, Ohio. Power-transmitting mechanism. No. 1,110,033; Sept. 8; Gaz. vol. 206; p. 457.
- Baker, Walter C., Cleveland, Ohio. Power-transmitting mechanism. No. 1,110,101; Sept. 8; Gaz. vol. 206; p. 482.
- Baker, Willard L. (See Savage and Baker.)
- Baker, William A., Coloma, Mich. Combination door-bolt. No. 1,109,815; Sept. 8; Gaz. vol. 206; p. 378.
- Baker, William H., Bridgeport, Conn. Dam and hydraulic-power converter. No. 1,115,376; Oct. 27; Gaz. vol. 207; p. 1173.
- Baker, Winfield S., Franklinville, N. Y. Folding kite. No. 1,111,637; Sept. 22; Gaz. vol. 206; p. 1102.
- Baker's Sons, M. A. (See Sons, Baker, and Reitmeyer, assignors.)
- Bakke, Leopold, Chicago, Ill. Printing-press. No. 1,096,589; May 12; Gaz. vol. 202; p. 517.
- Bakke, Leopold, Chicago, Ill. Printing-press. No. 1,096,590; May 12; Gaz. vol. 202; p. 517.
- Balajthy, Andrew, Phoenixville, Pa. Horseshoe. No. 1,113,734; Oct. 13; Gaz. vol. 207; p. 504.
- Balazinski, Louis, New York, N. Y. Mail-box. No. 1,117,624; Nov. 17; Gaz. vol. 208; p. 831.
- Balázs, Tibor, Saltsburg, Pa. Life-boat. No. 1,100,467; June 16; Gaz. vol. 203; p. 802.
- Balcan, Raoul G., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Semi-automatic signal mechanism. No. 1,100,817; June 23; Gaz. vol. 203; p. 973.
- Balch, Herbert C., Munising, Mich. Self-heating soldering-iron. No. 1,108,666; Aug. 25; Gaz. vol. 205; p. 1216.
- Balch, Milton H., and F. Lange, Chicago, Ill.; said Lange assignor to said Balch. Twine-holder. No. 1,121,223; Dec. 15; Gaz. vol. 209; p. 893.
- Baldon, Earle C., Richmond, Va. Automatic stop for talking-machines. No. 1,095,066; Apr. 28; Gaz. vol. 201; p. 1139.
- Baldwin, Abram T. (See Baldwin, Stephen W., assignor.)
- Baldwin, Chauncey C., Perth Amboy, N. J., assignor to Standard Underground Cable Company. Making compound metallic articles. No. 1,122,675; Dec. 29; Gaz. vol. 209; p. 1472.
- Baldwin, Chester L., assignor of one-half to M. Casey, Almond, Wis. Grinding-tool for gas-engine valves. No. 1,104,863; July 28; Gaz. vol. 204; p. 1053.
- Baldwin, Clarence C., Seattle, Wash. Adjustable neck-band for shirts. No. 1,119,217; Dec. 1; Gaz. vol. 209; p. 111.
- Baldwin Company, The. (See Gally, Robert A., assignor.)
- Baldwin Company, The. (See Knagge, Joseph, assignor.)
- Baldwin, Edward, New York, N. Y., assignor to Radium Washing Compound Products Company, Inc. Clothes-washer. No. 1,085,397; Jan. 27; Gaz. vol. 198; p. 813.
- Baldwin, Edward C., Boston, Mass. Device for applying gummed strips to packages, &c. No. 1,106,437; Aug. 11; Gaz. vol. 205; p. 338.
- Baldwin, Edward C., Boston, Mass. Paper-cup dispenser. No. 1,110,034; Sept. 8; Gaz. vol. 206; p. 458.
- Baldwin, Francis H., New Rochelle, N. Y. Eraser. No. 1,090,829; Mar. 24; Gaz. vol. 200; p. 861.
- Baldwin, Frank J., and E. Treisch, Galion, Ohio. Fire-escape. No. 1,099,834; June 9; Gaz. vol. 203; p. 544.
- Baldwin, Frank S., New York, N. Y., assignor to Monroe Calculating Machine Company. Calculating-machine. (Reissue.) No. 13,841; Dec. 8; Gaz. vol. 209; p. 648.
- Baldwin, Frank S., New York, N. Y., assignor to Monroe Calculating Machine Company. Calculating-machine. (Reissue.) No. 13,842; Dec. 8; Gaz. vol. 209; p. 649.
- Baldwin, Frederic E., New York, N. Y. Burner for oil-lamps. No. 1,083,426; Jan. 6; Gaz. vol. 198; p. 57.
- Baldwin, Frederic E., New York, N. Y. Acetylene-lamp. No. 1,083,427; Jan. 6; Gaz. vol. 198; p. 57.
- Baldwin, Frederic E., New York, N. Y. Miner's lamp. No. 1,094,358; Apr. 21; Gaz. vol. 201; p. 829.
- Baldwin, Frederic E., New York, N. Y. Lamp. No. 1,099,908; June 16; Gaz. vol. 203; p. 607.
- Baldwin, Frederic E., New York, N. Y. Miner's lamp. No. 1,101,982; June 30; Gaz. vol. 203; p. 1429.
- Baldwin, Frederic E., New York, N. Y. Acetylene-gas lamp. No. 1,115,157; Oct. 27; Gaz. vol. 207; p. 1099.
- Baldwin, Henry C., assignor of one-half to N. E. Baldwin, Lakemont, N. Y. Toy. No. 1,115,272; Oct. 27; Gaz. vol. 207; p. 1139.
- Baldwin, Henry G., San Francisco, Cal. Internal-combustion engine. No. 1,116,535; Nov. 10; Gaz. vol. 208; p. 407.
- Baldwin, James E., Hempstead, assignor of one-half to F. N. Van Zandt, Brooklyn, N. Y. Automatic shut-off. No. 1,093,238; Apr. 14; Gaz. vol. 201; p. 417.
- Baldwin, James H., assignor to Dulles-Baldwin Electric Drill Company, New York, N. Y. Impact mechanism. No. 1,120,360; Dec. 8; Gaz. vol. 209; p. 542.
- Baldwin, James H., New York, N. Y., and F. P. Darte, Ridgefield Park, N. J., assignors to Dulles-Baldwin Electric Drill Company, New York, N. Y. Rock-drill. No. 1,101,387; June 23; Gaz. vol. 203; p. 1170.
- Baldwin, John H., Springfield, Mo. Hand-tool. No. 1,119,791; Dec. 8; Gaz. vol. 209; p. 342.
- Baldwin, John M., assignor of one-half to H. C. Austin, Wilburton, Okla. Lock-nut. No. 1,120,585; Dec. 8; Gaz. vol. 209; p. 621.
- Baldwin Locomotive Works, The. (See Abbe, George C., assignor.)
- Baldwin Locomotive Works, The. (See Henderson, George R., assignor.)
- Baldwin Locomotive Works, The. (See Hodges, William S., assignor.)
- Baldwin Locomotive Works. (See Ragonnet, Eugene L., assignor.)
- Baldwin Locomotive Works, The. (See Rushton, Kenneth, assignor.)
- Baldwin Locomotive Works, The. (See Van Kirk, Benjamin R., assignor.)
- Baldwin Locomotive Works, The. (See Vaclain, Samuel M., assignor.)
- Baldwin Locomotive Works, The. (See Vaclain and Burns, assignors.)
- Baldwin, Nathaniel, Mill Creek, Utah. Governor mechanism. No. 1,091,181; Mar. 24; Gaz. vol. 200; p. 983.
- Baldwin, Ned E. (See Baldwin, Henry C., assignor.)
- Baldwin, Springfield. (See Maupin, Allen, and Baldwin.)
- Baldwin, Stephen W., Brookline, Mass., assignor to A. T. Baldwin, Detroit, Mich. Folding table. No. 1,091,272; Mar. 24; Gaz. vol. 200; p. 1014.
- Baldwin, Tuthill and Bolton. (See Marshall, Bruno E., assignor.)
- Baldwin, Walter R., Berea, Ohio. Business-register. No. 1,118,391; Nov. 24; Gaz. vol. 208; p. 1140.

Alphabetical list of patentees—Continued.

- Baldwin, William C. P., Holyoke, Mass. Woman's reversible and adjustable house-dress. No. 1,112,248; Sept. 29; Gaz. vol. 206; p. 1351.
- Baldwin, William C. P., Holyoke, Mass. Cuff. No. 1,120,666; Dec. 15; Gaz. vol. 209; p. 698.
- Baldwin, William J., New York, and J. M. Taggart, East Williston, N. Y. Grease-separator. No. 1,119,565; Dec. 1; Gaz. vol. 209; p. 230.
- Baldwin, William S., Worcester, Mass., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,106,613; Aug. 11; Gaz. vol. 205; p. 404.
- Balfour, John F., Edinburgh, Scotland. Apparatus for localizing the effect of mine explosions. No. 1,102,228; July 7; Gaz. vol. 204; p. 3.
- Balfour, Thomas, Onga Onga, Hawkes Bay, New Zealand. Door-latch. No. 1,098,703; June 2; Gaz. vol. 203; p. 119.
- Balgeman, Ernestine, administratrix. (See Balgeman, Henry F.)
- Balgeman, Henry F., deceased, Beecher, Ill.; E. Balgeman, administratrix. Grater and slicer. No. 1,085,842; Feb. 3; Gaz. vol. 199; p. 94.
- Bali, John. (See Szilágyi, Géza, assignor.)
- Baling, John G., Baltimore, Md. Rail-joint. No. 1,118,620; Nov. 24; Gaz. vol. 208; p. 1221.
- Ball, A. Everett, *et al.* (See Makowski, John F., assignor.)
- Ball, Albert, Canton, Ohio. Vehicle-tire. No. 1,109,159; Sept. 1; Gaz. vol. 206; p. 107.
- Ball, Albert, and T. Officer, Claremont, N. H., assignors, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Direct-acting engine. No. 1,095,153; Apr. 28; Gaz. vol. 201; p. 1169.
- Ball, Albert and F. A., Claremont, N. H., assignors, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Quarrying-machine. No. 1,113,531; Oct. 13; Gaz. vol. 207; p. 435.
- Ball, Albert, and H. H. Mercer, Claremont, N. H., assignors, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Tool-actuating mechanism. No. 1,116,206; Nov. 3; Gaz. vol. 208; p. 252.
- Ball, Albert, and H. H. Mercer, Claremont, N. H., assignors, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Tool-actuating mechanism. No. 1,118,893; Nov. 24; Gaz. vol. 208; p. 1312.
- Ball, Almarine. (See Johansen, Fredrick W., assignor.)
- Ball, Andrew J., Fort Worth, Tex. Automatic weighing-machine. No. 1,103,469; July 14; Gaz. vol. 204; p. 479.
- Ball, Arthur. (See Millhouse and Ball.)
- Ball, Augustus A., Jr., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Starting and stopping mechanism. No. 1,084,526; Jan. 13; Gaz. vol. 198; p. 447.
- Ball, Augustus A., Jr., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Brake mechanism. No. 1,107,642; Aug. 18; Gaz. vol. 205; p. 813.
- Ball, Benjamin A. (See Sévigné, Henri A., assignor.)
- Ball, Bert C., and L. E. Younie, Portland, Oreg. Demountable tire-rim. No. 1,109,816; Sept. 8; Gaz. vol. 206; p. 378.
- Ball Brothers Glass Manufacturing Company. (See Bingham, Alvah L., assignor.)
- Ball, Campbell E. (See Hensley, Noble S., assignor.)
- Ball, Charles C., Irvington, N. J. Hand-bag. No. 1,092,200; Apr. 7; Gaz. vol. 201; p. 26.
- Ball, Edwin. (See Elkins and Ball.)
- Ball, Francis, Glenside, Pa. Celery-handler. No. 1,117,625; Nov. 17; Gaz. vol. 208; p. 831.
- Ball, Frank A. (See Ball, Albert and F. A.)
- Ball, Frank W., Melbourne, Victoria, Australia. Electrical heating unit. No. 1,119,336; Dec. 1; Gaz. vol. 209; p. 150.
- Ball, George H. (See Floyd and Ball.)
- Ball, Harry, assignor to Worcester Manufacturing Company, Worcester, Mass. Door-check. No. 1,103,648; July 14; Gaz. vol. 204; p. 545.
- Ball, Harry, assignor to Worcester Manufacturing Company, Worcester, Mass. Door-closer. No. 1,116,365; Nov. 10; Gaz. vol. 208; p. 347.
- Ball, Harry B., Norfolk, Va. Garbage-receptacle. No. 1,112,249; Sept. 29; Gaz. vol. 206; p. 1351.
- Ball, Henry P. (See Stanley and Ball.)
- Ball, Henry P., Pittsfield, Mass., assignor to General Electric Company. Expansion member for electric heating devices. No. 1,093,754; Apr. 21; Gaz. vol. 201; p. 631.
- Ball, Henry P., Pittsfield, Mass., assignor to General Electric Company. Electrically-heated oven. No. 1,094,771; Apr. 28; Gaz. vol. 201; p. 1038.
- Ball, Henry P., Pittsfield, Mass., assignor to General Electric Company. Electric heating unit. No. 1,096,820; May 19; Gaz. vol. 202; p. 638.
- Ball, Henry P., Pittsfield, Mass., assignor to General Electric Company. Electric cooking device. No. 1,118,392; Nov. 24; Gaz. vol. 208; p. 1140.
- Ball, Henry P., Pittsfield, Mass., assignor to General Electric Company. Electric heating unit. No. 1,121,966; Dec. 22; Gaz. vol. 209; p. 1188.
- Ball, Henry P., New York, N. Y., assignor to General Electric Company. Oil-switch. No. 1,113,087; Oct. 6; Gaz. vol. 207; p. 232.
- Ball, Henry P., Pittsfield, Mass., and G. Wright, Schenectady, N. Y., assignors to General Electric Company. Circuit-controller. No. 1,098,778; June 2; Gaz. vol. 203; p. 143.
- Ball, Herman F., New York, N. Y. Truck for railway-vehicles. No. 1,093,966; Apr. 21; Gaz. vol. 201; p. 701.
- Ball, Herman F., New York, N. Y. Chafing device for draft-gear. No. 1,121,060; Dec. 15; Gaz. vol. 209; p. 836.
- Ball, Herman F., assignor to S. G. Allen, trustee, New York, N. Y. Apparatus for burning pulverized fuel. No. 1,117,760; Nov. 17; Gaz. vol. 208; p. 881.
- Ball, Horace E. (See Wilber and Ball.)
- Ball, James, Chicago, Ill. Arch-support and ventilator for shoes. No. 1,092,557; Apr. 7; Gaz. vol. 201; p. 149.
- Ball, Reuben S. (See Mitchell, Ira G., assignor.)
- Ball, Waldon S., San Francisco, Cal. Lock. No. 1,103,897; July 14; Gaz. vol. 204; p. 629.
- Ballance, David S., Wysocking, N. C., assignor to American Cotton Chopper Company, Baltimore, Md. Combined cotton chopper and cultivator. No. 1,122,356; Dec. 29; Gaz. vol. 209; p. 1360.
- Ballard, Alfred R., San Francisco, Cal. Mirror. No. 1,121,785; Dec. 22; Gaz. vol. 209; p. 1123.
- Ballard, Frank S. and G. W., Duff, Nebr. Pump-rod coupling. No. 1,107,876; Aug. 18; Gaz. vol. 205; p. 894.
- Ballard, George L. (See Wildman and Ballard.)
- Ballard, George L., assignor to Wildman Mfg. Co., Norristown, Pa. Dog for knitting-machines. No. 1,101,388; June 23; Gaz. vol. 203; p. 1171.
- Ballard, George W. (See Ballard, Frank S. and G. W.)
- Ballard, Harrie A., Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Treeing-stand. No. 1,087,423; Feb. 17; Gaz. vol. 199; p. 738.
- Ballard, Harrie A., Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Thread-finger mechanism. No. 1,091,421; Mar. 24; Gaz. vol. 200; p. 1060.
- Ballard, Harrie A., Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Shuttle-driving mechanism. No. 1,093,239; Apr. 14; Gaz. vol. 201; p. 418.
- Ballard, Harrie A., Boston, assignor to The Boylston Mfg. Company, South Boston, Mass. Making lasts. No. 1,104,743; July 21; Gaz. vol. 204; p. 962.
- Ballard, Harrie A., Boston, assignor to The Boylston Mfg. Company, South Boston, Mass. Last. No. 1,105,871; Aug. 4; Gaz. vol. 205; p. 100.
- Ballard, Harrie A., Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Machine for inserting fasteners. No. 1,108,421; Aug. 25; Gaz. vol. 205; p. 1130.
- Ballard, Harrie A., assignor to The Boylston Manufacturing Company, Boston, Mass. Chain-stitch shoe-sewing machine. No. 1,110,863; Sept. 15; Gaz. vol. 206; p. 792.
- Ballard, Harrie A., Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Last. No. 1,112,402; Sept. 29; Gaz. vol. 206; p. 1404.
- Ballard, Harrie A., Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Last. No. 1,112,403; Sept. 29; Gaz. vol. 206; p. 1405.
- Ballard, Harrie A., Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Waxing-machine. No. 1,112,404; Sept. 29; Gaz. vol. 206; p. 1405.
- Ballard, Harrie A., assignor to The Boylston Manufacturing Company, Boston, Mass. Pulling-over machine. No. 1,117,301; Nov. 17; Gaz. vol. 208; p. 719.
- Ballard, Harrie A., assignor to The Boylston Manufacturing Company, Boston, Mass. Shuttle-bobbin for sewing-machines. No. 1,117,302; Nov. 17; Gaz. vol. 208; p. 720.
- Ballard, Harrie A., Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Sole rounding and channeling machine. No. 1,117,303; Nov. 17; Gaz. vol. 208; p. 720.
- Ballard, Harrie A., Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Take-up mechanism for shoe-sewing machines. No. 1,118,522; Nov. 24; Gaz. vol. 208; p. 1186.
- Ballard, Harrie A., Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Divided last. No. 1,118,523; Nov. 24; Gaz. vol. 208; p. 1187.
- Ballard, Harrie A., Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Shoe-sewing machine. No. 1,118,524; Nov. 24; Gaz. vol. 208; p. 1187.
- Ballard, Harrie A., Somerville, assignor to The Boylston Manufacturing Company, Boston, Mass. Lock-stitch shoe-sewing machine. No. 1,098,874; June 2; Gaz. vol. 203; p. 175.
- Ballard, Harrie A., Somerville, assignor to The Boylston Manufacturing Company, Boston, Mass. Controlling mechanism for fastener-inserting machines. No. 1,105,238; July 28; Gaz. vol. 204; p. 1183.
- Ballard, Harrie A., Somerville, assignor to The Boylston Manufacturing Company, Boston, Mass. Loader for hand-tackers. No. 1,114,330; Oct. 20; Gaz. vol. 207; p. 754.

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- Ballard, Harrie A., Somerville, assignor to The Boylston Manufacturing Company, Boston, Mass. Machine for finishing shoes. No. 1,117,299; Nov. 17; Gaz. vol. 208; p. 718.
- Ballard, Harrie A., Somerville, assignor to The Boylston Manufacturing Company, Boston, Mass. Treadle mechanism for bed-lasting machines. No. 1,117,300; Nov. 17; Gaz. vol. 208; p. 719.
- Ballard, Harrie A., Somerville, assignor to The Boylston Manufacturing Company, Boston, Mass. Clutch mechanism. No. 1,117,305; Nov. 17; Gaz. vol. 208; p. 721.
- Baliard, Harrie A., Ashland, assignor, by mesne assignments, to The Boylston Manufacturing Company, Boston, Mass. Combined rounding and channeling machine. No. 1,099,334; June 9; Gaz. vol. 203; p. 374.
- Ballard, Harrie A., Ashland, assignor, by mesne assignments, to The Boylston Manufacturing Company, Boston, Mass. Shoe-sewing machine. No. 1,103,732; July 14; Gaz. vol. 204; p. 573.
- Ballard, Harrie A., Ashland, assignor, by mesne assignments, to The Boylston Manufacturing Company, Boston, Mass. Tree. No. 1,106,438; Aug. 11; Gaz. vol. 205; p. 338.
- Ballard, Harrie A., Ashland, assignor, by mesne assignments, to The Boylston Manufacturing Company, Boston, Mass. Chain-stitch shoe-sewing machine. No. 1,117,304; Nov. 17; Gaz. vol. 208; p. 721.
- Ballard, Milton H., Lynn, Mass., assignor to Tripp Fruit Wrapping Machine Company, San Francisco, Cal. Feeding and cutting device for label-strips. No. 1,085,077; Jan. 20; Gaz. vol. 198; p. 664.
- Ballard, Taylor O., Franklin, Ind. Separating-machine. No. 1,086,011; Feb. 3; Gaz. vol. 199; p. 155.
- Ballen, Henry J., Winthrop, assignor to himself, and W. J. Quirk, Quincy, Mass. Pipe-wrench. No. 1,099,872; June 9; Gaz. vol. 203; p. 558.
- Ballenger, Arthur T., Wayne county, Ind. Ground-anchor. No. 1,090,899; Mar. 24; Gaz. vol. 200; p. 884.
- Ballentine, James A., Collinsville, Ala. Train-order crane. No. 1,110,984; Sept. 15; Gaz. vol. 206; p. 833.
- Ballentine, John R., Toledo, Ohio. Toy gun. No. 1,084,599; Jan. 20; Gaz. vol. 198; p. 502.
- Ballersby, A. G., et al. (See Tucker, Junius E., assignor.)
- Balliet, A. H. (See Doll, Fred W., assignor.)
- Balliet, Letson, Tonopah, Nev. Balancing means for hoisting apparatus. No. 1,107,191; Aug. 11; Gaz. vol. 205; p. 604.
- Ballin, Frederick A., and E. H. Dodge, Portland, Oreg. Unit-cargo vessel. No. 1,107,741; Aug. 18; Gaz. vol. 205; p. 848.
- Ballinger, Abraham. (See Singer and Dulli, assignors.)
- Ballinger, Charles E. (See McNutt and Ballinger.)
- Ballinger, George O. (See Horn, Valentine K., assignor.)
- Ballinger, Ulyses G., Depass, Wyo. Automatic safety device. No. 1,090,011; Mar. 10; Gaz. vol. 200; p. 506.
- Balloco, Alberto, assignor to Itala Fabbrica Di Automobili, Turin, Italy. Distributer for internal-combustion engines. No. 1,117,761; Nov. 17; Gaz. vol. 208; p. 882.
- Ballot, Ernest M., Paris, France. Distributing apparatus for engines or the like. No. 1,089,811; Mar. 10; Gaz. vol. 200; p. 437.
- Ballou, Charles E., assignor to Ballou Safety Rail Joint Company, Roanoke, Va. Rail-joint. No. 1,104,864; July 28; Gaz. vol. 204; p. 1053.
- Ballou, Eugene H., Pawtucket, R. I., assignor to Draper Company, Hopedale, Mass. Feeler mechanism for weft-replenishing looms. No. 1,084,124; Jan. 13; Gaz. vol. 198; p. 317.
- Ballou Safety Rail Joint Company. (See Ballou, Charles E., assignor.)
- Ballou, Waldo R., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Butt-hinge. No. 1,106,181; Aug. 4; Gaz. vol. 205; p. 208.
- Ballou, Walter B., assignor to R. Blackinton & Co., North Attleboro, Mass. Elastic bracelet-link. No. 1,098,078; May 26; Gaz. vol. 202; p. 1125.
- Ballou, William, Bellingham, Minn. Lock for engine-hoods. No. 1,102,229; July 7; Gaz. vol. 204; p. 3.
- Ballreich, Charles, Pueblo, Colo. Lawn-sprinkler. No. 1,116,536; Nov. 10; Gaz. vol. 208; p. 408.
- Bally, Oscar. (See Isler and Bally.)
- Bally, Oscar, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene dyes and making same. No. 1,086,123; Feb. 3; Gaz. vol. 199; p. 195.
- Bally, Oscar, and H. Wolff, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Reddish-brown vat dye. No. 1,095,780; May 5; Gaz. vol. 202; p. 208.
- Balmer, William. (See Heafer and League, assignors.)
- Balmigère, Georges, Paris, France. Stereoscopic apparatus. No. 1,105,395; July 28; Gaz. vol. 204; p. 1241.
- Balogh, Alex, and L. Nagy, St. Catharines, Ontario, Canada. Horseshoe. No. 1,106,351; Aug. 4; Gaz. vol. 205; p. 263.
- Balogh, Joseph, and A. Thomas, Canaanville, Ohio. Life-boat. No. 1,112,667; Oct. 6; Gaz. vol. 207; p. 92.
- Balogh, Lőrincz, and G. Széles, Detroit, Mich. Soldering implement. No. 1,106,357; Aug. 11; Gaz. vol. 205; p. 311.
- Baloun, Harry F., Cleveland, assignor of one-half to L. F. Sherry, Canton, Ohio. Door construction for vaults and the like. No. 1,104,765; July 28; Gaz. vol. 204; p. 1019.
- Bals, Charles A., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephone system. No. 1,105,348; July 28; Gaz. vol. 204; p. 1223.
- Bals, Charles A., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Switching mechanism. No. 1,105,349; July 28; Gaz. vol. 204; p. 1224.
- Bals, Charles A., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephony. No. 1,105,564; July 28; Gaz. vol. 204; p. 1298.
- Bals, Charles A., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Signal-receiver. No. 1,116,537; Nov. 10; Gaz. vol. 208; p. 408.
- Bals, Maximilian J. T. (See Mange and Bals.)
- Balsillie, John G., Melbourne, Victoria, Australia. Wireless-telegraph receiver. No. 1,093,240; Apr. 14; Gaz. vol. 201; p. 418.
- Baltimore Enamel & Novelty Company, The. (See Little, William F., assignor.)
- Baltimore Tube Company. (See Brinkman, Louis H., assignor.)
- Baltz, Louis J., Buffalo, N. Y. Digging implement. No. 1,087,269; Feb. 17; Gaz. vol. 199; p. 684.
- Baltz, Louis J., Buffalo, N. Y. Railway-tie and fastening device. No. 1,105,319; July 28; Gaz. vol. 204; p. 1212.
- Baltzer, Friedrich, Berlin, Germany. Cage for anti-friction-bearings. No. 1,114,331; Oct. 20; Gaz. vol. 207; p. 754.
- Baltzer, Friedrich, Berlin, Germany. Cage for anti-friction-bearings. No. 1,114,332; Oct. 20; Gaz. vol. 207; p. 755.
- Baltzer, Friedrich, assignor to Deutsche Waffen- und Munitionsfabriken, Berlin, Germany. Cage for anti-friction-bearings. No. 1,095,694; May 5; Gaz. vol. 202; p. 178.
- Baltzley, Edwin, Glen Echo, Md., assignor, by mesne assignments, to V. I. Richard, Washington, D. C. Typewriter desk or stand. No. 1,084,387; Jan. 13; Gaz. vol. 198; p. 403.
- Baluss, Hamilton, Kennett Square, Pa., assignor to The American Steel & Wire Company, Hoboken, N. J. Testing instrument. No. 1,104,753; July 21; Gaz. vol. 204; p. 965.
- Balzano, Peter, New Haven, Conn. Cue-tip. No. 1,089,812; Mar. 10; Gaz. vol. 200; p. 437.
- Balze, Paul, Leonia, N. J. Tank-siphon. No. 1,090,189; Mar. 17; Gaz. vol. 200; p. 610.
- Balzer, Charles E., McKees Rocks, Pa. Railway system. No. 1,097,160; May 19; Gaz. vol. 202; p. 759.
- Balzer, Fritz. (See Bartholomew and Balzer.)
- Bambeck, Edward, and W. A. Van Male, assignors to American Sign Company, Kalamazoo, Mich. Sign. No. 1,100,415; June 16; Gaz. vol. 203; p. 784.
- Bamberger, Alfred P., and W. S. Guistwhite, assignors of one-third to B. F. Garver, New Cumberland, Pa. Roofing. No. 1,107,568; Aug. 18; Gaz. vol. 205; p. 786.
- Bamford, Arthur A., Chicago, Ill. Resilient cycle-frame. No. 1,097,509; May 19; Gaz. vol. 202; p. 879.
- Bamford, Arthur A., Chicago, Ill. Collar. No. 1,115,377; Oct. 27; Gaz. vol. 207; p. 1174.
- Bamford, Frank W., Trenton, N. J., assignor to John Maddock & Sons. Water-closet seat. No. 1,093,373; Apr. 14; Gaz. vol. 201; p. 465.
- Bamford, John W., North Providence, R. I. Toe-calk for horseshoes. No. 1,089,035; Mar. 3; Gaz. vol. 200; p. 124.
- Bammer, Pius, Grants Pass, Oreg. Button-attaching machine. No. 1,093,582; Apr. 14; Gaz. vol. 201; p. 528.
- Bampton, George J. (See Shiels and Bampton.)
- Bancel, Paul A. (See Gibson, George H., assignor.)
- Bancel, Paul A., New York, N. Y., assignor to himself, and G. H. Gibson, Upper Montclair, N. J. Condensing apparatus. No. 1,114,333; Oct. 20; Gaz. vol. 207; p. 755.
- Bancroft, Charles N. (See White and Bancroft.)
- Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Matrix-coneholing machine. No. 1,094,622; Apr. 28; Gaz. vol. 201; p. 983.
- Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Driving or transmission mechanism for type and other machines. No. 1,094,623; Apr. 28; Gaz. vol. 201; p. 984.
- Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Centering mechanism for type-machines. No. 1,094,624; Apr. 28; Gaz. vol. 201; p. 984.
- Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Type-mold. No. 1,094,625; Apr. 28; Gaz. vol. 201; p. 985.
- Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Centering or adjusting mechanism for type-machines. No. 1,094,626; Apr. 28; Gaz. vol. 201; p. 985.

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- Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Matrix-holder for type-casting machines. No. 1,094,628; Apr. 28; Gaz. vol. 201; p. 986.
- Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Keyboard mechanism for perforating and other machines. No. 1,094,629; Apr. 28; Gaz. vol. 201; p. 986.
- Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Record-strip composing-machine. No. 1,094,630; Apr. 28; Gaz. vol. 201; p. 987.
- Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Composing-machine for record-strips. No. 1,094,631; Apr. 28; Gaz. vol. 201; p. 987.
- Bancroft, Oscar, Washington, D. C. Type-writer attachment. No. 1,088,865; Mar. 3; Gaz. vol. 200; p. 65.
- Bancroft, William M., New Orleans, La. Bearing. No. 1,095,067; Apr. 28; Gaz. vol. 201; p. 1140.
- Bancroft, William P., Bostwick, Nebr. Latching device. No. 1,107,569; Aug. 18; Gaz. vol. 205; p. 786.
- Bandlow, Walter E. (See Lavery and Bandlow.)
- Bandringa, Michael, Chicago, Ill. Squeegee. No. 1,107,131; Aug. 11; Gaz. vol. 205; p. 581.
- Bane, Tobias M., Pulaski, Va. Level. No. 1,088,394; Feb. 24; Gaz. vol. 199; p. 1119.
- Banes, Walter D., Philadelphia, Pa., assignor to General Pressed Metal Company. Grease-cup. No. 1,091,032; Mar. 24; Gaz. vol. 200; p. 932.
- Banes, Walter D., Philadelphia, Pa., assignor to General Pressed Metal Company. Grease-cup closure. No. 1,091,110; Mar. 24; Gaz. vol. 200; p. 958.
- Banfield, Robert T., Pittsburgh, Pa. Manufacturing iron and steel sheets. No. 1,108,667; Aug. 25; Gaz. vol. 205; p. 1217.
- Banfill, William A., Ipswich, Mass. Photographic printing and retouching frame. No. 1,096,345; May 12; Gaz. vol. 202; p. 437.
- Bange, Charles de, Versailles, France. Railway and tramway. No. 1,085,373; Jan. 27; Gaz. vol. 198; p. 805.
- Banić, Stephan, Greenville, Pa. Puzzle. No. 1,099,159; June 9; Gaz. vol. 203; p. 313.
- Banic, Stephan, Greenville, Pa. Parachute. No. 1,108,484; Aug. 25; Gaz. vol. 205; p. 1154.
- Banker, Edward J., Sloatsburg, and J. B. Strong, assignors to Ramapo Iron Works, Hillburn, N. Y. Rail-tie-plate clamp. No. 1,108,881; Sept. 1; Gaz. vol. 206; p. 6.
- Banker, Louis G., *et al.* (See MacRae, Mungo L., assignor.)
- Banks, Alfred J., Montour, Iowa. Clamp. No. 1,113,864; Oct. 13; Gaz. vol. 207; p. 551.
- Banks, Arthur J., St. Lambert, Quebec, Canada. Yeast-tester. No. 1,104,766; July 28; Gaz. vol. 204; p. 1019.
- Banks, Boyd D., *et al.* (See Hunter, James W., assignor.)
- Banks, George, Greenville, Mich. Seat. No. 1,094,293; Apr. 21; Gaz. vol. 201; p. 810.
- Banks, John N., Milan, Italy, assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,099,482; June 9; Gaz. vol. 203; p. 425.
- Banks, John N., Milan, Italy, assignor to Mergenthaler Linotype Company. Type or matrix. No. 1,099,835; June 9; Gaz. vol. 203; p. 544.
- Banks, John S., Portsmouth, Va. Reinforced block wall. (Reissue.) No. 13,673; Jan. 13; Gaz. vol. 198; p. 474.
- Banks, John W., Torreon Coah, Mexico. Cake-knocker for oil-mills. No. 1,109,954; Sept. 8; Gaz. vol. 206; p. 430.
- Banks, Mack Donald, Columbus, Ohio. Street-sweeper. No. 1,094,294; Apr. 21; Gaz. vol. 201; p. 810.
- Banks, William C., assignor, by mesne assignments, to Northwestern Construction Company, New York, N. Y. Fuse. No. 1,097,964; May 26; Gaz. vol. 202; p. 1086.
- Banks, William C., assignor, by mesne assignments, to N-W Equipment Co., Inc., New York, N. Y. Connector. No. 1,111,782; Sept. 29; Gaz. vol. 206; p. 1190.
- Banks, William C., assignor, by mesne assignments, to N-W Equipment Co., Inc., New York, N. Y. Ground connection. No. 1,111,783; Sept. 29; Gaz. vol. 206; p. 1190.
- Bankson, James B., Canton, S. D. Bracing-iron. No. 1,110,178; Sept. 8; Gaz. vol. 206; p. 511.
- Bankson, Wilbur L., *et al.* (See De Force, George I., assignor.)
- Bannatyne, Archibald, assignor to The Bannatyne Watch Company, Waterbury, Conn. Watch. No. 1,087,525; Feb. 17; Gaz. vol. 199; p. 773.
- Bannatyne Watch Company, The. (See Bannatyne, Archibald, assignor.)
- Banner Motors Limited. (See Robb and Welch, assignors.)
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Turbine. No. 1,090,441; Mar. 17; Gaz. vol. 200; p. 699.
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Turbine. No. 1,090,442; Mar. 17; Gaz. vol. 200; p. 700.
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Turbine. No. 1,090,443; Mar. 17; Gaz. vol. 200; p. 700.
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Turbo-compressor. No. 1,102,635; July 7; Gaz. vol. 204; p. 146.
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Regulating mechanism for mixed-pressure engines. No. 1,105,952; Aug. 4; Gaz. vol. 205; p. 128.
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Centrifugal compressor. No. 1,110,864; Sept. 15; Gaz. vol. 206; p. 793.
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Turbine. No. 1,111,349; Sept. 22; Gaz. vol. 206; p. 1003.
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Governing mechanism for steam-turbines. No. 1,117,306; Nov. 17; Gaz. vol. 208; p. 722.
- Banner, Otto, Sterkrade, Germany, assignor to Ingersoll-Rand Company, New York, N. Y. Pressure-equalizer for rotary blowers. No. 1,093,374; Apr. 14; Gaz. vol. 201; p. 465.
- Banner Paper Box Co., The. (See Bodge, William, assignor.)
- Banning & Banning. (See Schneider, Adolph, assignor.)
- Banning, Ephraim. (See Cooke and Banning.)
- Banning, Raymond H., San Francisco, Cal. Screen attachment for window-sashes. No. 1,107,877; Aug. 18; Gaz. vol. 205; p. 895.
- Bannister, Bryant, Wilkinsburg, Pa. Feed-water regulator. No. 1,121,596; Dec. 15; Gaz. vol. 209; p. 1022.
- Bannister Orchard Heater Company, The. (See Scheu, William C., assignor.)
- Bannon, Martin J. (See Gray, William B., assignor.)
- Banowetz, John B., Denver, Colo. Shaving-brush. No. 1,087,090; Feb. 10; Gaz. vol. 199; p. 568.
- Banta, John S., Waukegan, and A. T. Weaver, Joliet, Ill., assignors to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Automatic machine for removing burs from electric welds. No. 1,109,387; Sept. 1; Gaz. vol. 206; p. 190.
- Banta, John S., Waukegan, and A. T. Weaver, Joliet, Ill., assignors to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Wire-joining mechanism. No. 1,109,388; Sept. 1; Gaz. vol. 206; p. 190.
- Banta, John S., Waukegan, and A. T. Weaver, Joliet, Ill., assignors to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Automatic machine for removing burs from electric welds. No. 1,116,207; Nov. 3; Gaz. vol. 208; p. 253.
- Bantley, Charles H., Lebanon, Mo. Rotary valve. No. 1,094,295; Apr. 21; Gaz. vol. 201; p. 811.
- Banwarth, William, Gary, S. D. Acetylene-gas generator. No. 1,085,005; Jan. 20; Gaz. vol. 198; p. 640.
- Banwell, Henry C., Chicago, Ill., assignor to The National Cash Register Company, Dayton, Ohio. Holder for manifold sales-books. No. 1,088,054; Feb. 24; Gaz. vol. 199; p. 1004.
- Bányai, John, McKees Rocks, Pa. Cutting-machine. No. 1,094,964; Apr. 28; Gaz. vol. 201; p. 1106.
- Banzett, William H., Bergenfield, N. J., assignor to Mercantile Corporation, New York, N. Y. Machine for making window-envelop blanks. No. 1,104,162; July 21; Gaz. vol. 204; p. 761.
- Banzett, William H., Bergenfield, N. J., assignor to Mercantile Corporation, New York, N. Y. Machine for making window-envelop blanks. No. 1,118,466; Nov. 24; Gaz. vol. 208; p. 1167.
- Banzett, William H., Bergenfield, N. J., and E. Kenny, assignors to Mercantile Corporation, New York, N. Y. Feeding and cutting machine. No. 1,118,465; Nov. 24; Gaz. vol. 208; p. 1167.
- Baptiste, Louis, St. Louis, Mo. Metal-cutting tool. No. 1,102,124; June 30; Gaz. vol. 203; p. 1481.
- Bar-Lock Typewriter Company Limited. (See Etheridge, Herbert, assignor.)
- Baradat, Claudio. (See Sanchez and Baradat.)
- Barash, Andrew, Glouster, Ohio. Garbage-can. No. 1,117,544; Nov. 17; Gaz. vol. 208; p. 803.
- Barashick, Jacob. (See Schidorsky and Barashick.)
- Barba, Charles E., Altoona, Pa. Suspension-spring for car-trucks. No. 1,106,025; Aug. 4; Gaz. vol. 205; p. 154.
- Barbalicz, Lőrincz, Cleveland, Ohio. Top-spinning device. No. 1,120,886; Dec. 15; Gaz. vol. 209; p. 775.
- Barbarou, Marius, assignor to Société Anonyme des Automobiles Delaunay-Belleville, St.-Denis, France. Casing for Cardan joints. No. 1,102,853; July 7; Gaz. vol. 204; p. 220.
- Barbeau, Leon, Anson, Me. Shade-roller and bracket therefor. No. 1,094,965; Apr. 28; Gaz. vol. 201; p. 1106.
- Barbee, William F., Des Moines, Iowa. Adjustable bed. No. 1,110,865; Sept. 15; Gaz. vol. 206; p. 793.
- Barber, Alexander, Edwardsville, Ill. Pole-base. No. 1,116,208; Nov. 3; Gaz. vol. 208; p. 253.
- Barber, Arthur A., Detroit, Mich. Shock-absorber. No. 1,121,547; Dec. 15; Gaz. vol. 209; p. 1004.
- Barber Asphalt Paving Company, The. (See Aitken, Allan J., assignor.)

Alphabetical list of patentees—Continued.

- Barber Asphalt Paving Company, The. (See Forrest, Charles N., assignor.)
- Barber Asphalt Paving Company, The. (See Richardson, Clifford, assignor.)
- Barber-Colman Company. (See Brand, Samuel, assignor.)
- Barber-Colman Company. (See Colman, Howard D., assignor.)
- Barber-Colman Company. (See Colman and Peterson, assignors.)
- Barber-Colman Company. (See Hurt, Ambrose P., assignor.)
- Barber-Colman Company. (See Peterson, Burt A., assignor.)
- Barber, Earl E. (See Grover and Barber.)
- Barber, Edgar F., Winston-Salem, N. C. Slug-cutter. No. 1,106,026; Aug. 4; Gaz. vol. 205; p. 155.
- Barber, Eugene R., Valdosta, Ga. Attachment for conveyers for bottled soda-water. No. 1,100,645; June 16; Gaz. vol. 203; p. 859.
- Barber, Franklin L., assignor to Standard Car Truck Company, Chicago, Ill. Journal-box tie-strap. No. 1,115,886; Nov. 3; Gaz. vol. 208; p. 142.
- Barber, Franklin L., Chicago, Ill., assignor to Standard Car Truck Company. Journal-box. No. 1,118,621; Nov. 24; Gaz. vol. 208; p. 1222.
- Barber, Franklin L., and E. W. Webb, assignors to Standard Car Truck Company, Chicago, Ill. Spring-equalized truck. No. 1,106,027; Aug. 4; Gaz. vol. 205; p. 155.
- Barber, Franklin L., and E. W. Webb, assignors to Standard Car Truck Company, Chicago, Ill. Locomotive-tender truck. No. 1,109,656; Sept. 8; Gaz. vol. 206; p. 322.
- Barber, Frederick T., Anderson, Ind. Wire-spring construction. No. 1,120,887; Dec. 15; Gaz. vol. 209; p. 776.
- Barber, George H. (See Smith and Barber.)
- Barber, Guthrie Y., Chicago, Ill. Scenic appliance. No. 1,123,066; Dec. 29; Gaz. vol. 209; p. 1609.
- Barber, Howard E., and J. W. McFarland, Cherry Tree, Pa. Telephone system for trains. No. 1,104,605; July 21; Gaz. vol. 204; p. 915.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Cylinder printing-machine. No. 1,089,740; Mar. 10; Gaz. vol. 200; p. 413.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Inking mechanism for bed-and-cylinder printing-presses. No. 1,093,521; Apr. 14; Gaz. vol. 201; p. 509.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-delivery apparatus for printing-machines. No. 1,094,048; Apr. 21; Gaz. vol. 201; p. 729.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-delivery apparatus for printing-machines. No. 1,102,125; June 30; Gaz. vol. 203; p. 1481.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-assembling machine. No. 1,113,735; Oct. 13; Gaz. vol. 207; p. 504.
- Barber, Howard M., Stonington, Conn., assignor, by mesne assignments, to C. B. Cottrell and Sons Company, Wilmington, Del. Sheet-delivery apparatus for printing-machines. (Reissue.) No. 1,3850; Dec. 22; Gaz. vol. 209; p. 1282.
- Barber, James R., Cedartown, Ga. Extension car-step. No. 1,106,614; Aug. 11; Gaz. vol. 205; p. 405.
- Barber, James T., Brooklyn, N. Y. Ratchet-tool holder. No. 1,091,791; Mar. 31; Gaz. vol. 200; p. 1233.
- Barber, John C., assignor to Standard Car Truck Company, Chicago, Ill. Roller center-bearing for cars. No. 1,090,265; Mar. 17; Gaz. vol. 200; p. 636.
- Barber, John C., assignor to Standard Car Truck Company, Chicago, Ill. Car-truck. No. 1,094,513; Apr. 28; Gaz. vol. 201; p. 945.
- Barber, Lee W., and E. W. Webb, assignors to Standard Car Truck Company, Chicago, Ill. Lateral-motion roller-bearing for cars. No. 1,090,266; Mar. 17; Gaz. vol. 200; p. 636.
- Barber, Thomas W., South Norwood, London, England. Axle-truck of railway and tramway vehicles. No. 1,093,755; Apr. 21; Gaz. vol. 201; p. 631.
- Barber, William M., Somerville, assignor of one-half to E. W. Anthony, Brookline, Mass. Paper-drying machine. No. 1,090,964; Mar. 24; Gaz. vol. 200; p. 907.
- Barber, Willis E., La Crosse, Wis. Towel-holder. No. 1,116,209; Nov. 3; Gaz. vol. 208; p. 253.
- Barberis, Giuseppe S., Saluggia, Italy. Photographic-printing clip. No. 1,122,357; Dec. 29; Gaz. vol. 209; p. 1360.
- Barbour, George H., Pittsburgh, Pa. Composite structure. No. 1,101,983; June 30; Gaz. vol. 203; p. 1429.
- Barbour, George H., assignor to The American Postal Machines Company, Boston, Mass. Mail-marking machine. No. 1,083,581; Jan. 6; Gaz. vol. 198; p. 106.
- Barbour, James G., Canton, Ohio. Brick. No. 1,084,058; Jan. 13; Gaz. vol. 198; p. 294.
- Barbour, James G., Canton, Ohio. Brick-cut-off table. No. 1,110,371; Sept. 15; Gaz. vol. 206; p. 618.
- Barbour, Lou, Los Angeles, Cal. Collapsible basket. No. 1,122,567; Dec. 29; Gaz. vol. 209; p. 1431.
- Barbour-Stockwell Company. (See Ellis, Frank H., assignor.)
- Barbre, Thomas J., Denver, Colo. Pneumatic rock-drill. No. 1,092,237; Apr. 7; Gaz. vol. 201; p. 38.
- Barcalo Manufacturing Co. (See Vallone, Charles, assignor.)
- Barcalo Manufacturing Co. (See Vallone and Illig, assignors.)
- Barck, Theodore J., Quincy, Wis. Tie-holder. No. 1,095,781; May 5; Gaz. vol. 202; p. 208.
- Barclay, John C., Montclair, N. J. Printing-machine. No. 1,097,580; May 19; Gaz. vol. 202; p. 903.
- Barclay, William R., Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,100,468; June 16; Gaz. vol. 203; p. 802.
- Barclay, William R., and J. Gouldbourn, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Machine for attaching heels. No. 1,091,473; Mar. 31; Gaz. vol. 200; p. 1122.
- Barcus, Albert M., Raymond, Wash. Coupling for hose and the like. No. 1,117,762; Nov. 17; Gaz. vol. 208; p. 882.
- Barcus, William B., Newark, N. J. Loaf-forming machine. No. 1,114,572; Oct. 20; Gaz. vol. 207; p. 839.
- Barczewski, Heinrich, Danzig-Langfuhr, Germany. Inkstand. No. 1,096,821; May 19; Gaz. vol. 202; p. 639.
- Bard, Walter E., Clarksville, Tenn. Automatic ignition-grounder for motor-cycles. No. 1,107,245; Aug. 18; Gaz. vol. 205; p. 671.
- Bardin, David B., and E. L. Norris, Brewster, Fla. Oil ring. No. 1,111,941; Sept. 29; Gaz. vol. 206; p. 1245.
- Bardons and Oliver. (See Thompson, Horace W., assignor.)
- Bardsley, Henry, Providence, R. I., assignor to Crompton & Knowles Loom Works. Let-off mechanism for looms. No. 1,112,668; Oct. 6; Gaz. vol. 207; p. 92.
- Bardsley, Henry, Providence, R. I., assignor to Crompton & Knowles Loom Works. Pattern mechanism for looms. No. 1,112,753; Oct. 6; Gaz. vol. 207; p. 122.
- Bardsley, William, Kearney, N. J. Elevator-shaft and doors therefor. No. 1,095,370; May 5; Gaz. vol. 202; p. 67.
- Bardsley, William, Kearney, N. J. Shock-absorber. No. 1,105,603; Aug. 4; Gaz. vol. 205; p. 5.
- Bardwell, Edwin A., Shelburne Falls, Mass. Nut-lock. No. 1,105,123; July 28; Gaz. vol. 204; p. 1142.
- Barels, James, Des Moines, Iowa. Vaporizer. No. 1,110,866; Sept. 15; Gaz. vol. 206; p. 794.
- Bareuter, Heinrich, Essen-West, Germany. Coke-oven door. No. 1,093,522; Apr. 14; Gaz. vol. 201; p. 510.
- Barfield, Francis M., Summerland, Miss. Stump-burner. No. 1,112,967; Oct. 6; Gaz. vol. 207; p. 194.
- Bargamin, Clifford, assignor to Sentinel Automatic Gas Appliance Company, New Haven, Conn. Automatic gas-valve. *No. 1,094,832; Apr. 28; Gaz. vol. 201; p. 1059.
- Barger, James W. S., Eddyville, Ill. Wire-stretcher. No. 1,087,629; Feb. 17; Gaz. vol. 199; p. 810.
- Barger, James W. S., Eddyville, Ill. Nut-lock. No. 1,105,742; Aug. 4; Gaz. vol. 205; p. 55.
- Barger, Lorin W., assignor to Davenport Locomotive Works, Davenport, Iowa. Ball-joint. No. 1,100,416; June 16; Gaz. vol. 203; p. 785.
- Barieau, Jerome E., Colfax, Cal. Constant-discharge irrigation-module. No. 1,108,090; Aug. 18; Gaz. vol. 205; p. 969.
- Barienger, James M., assignor of one-half to Ryther & Pringle Company, Carthage, N. Y. Sleigh-brake. No. 1,085,189; Jan. 27; Gaz. vol. 198; p. 740.
- Barke, John G., Lincoln, England. Bench-vise. No. 1,094,359; Apr. 21; Gaz. vol. 201; p. 830.
- Barker, Charles S., assignor to F. W. Hans, Chicago, Ill. Coin savings-bank. No. 1,101,389; June 23; Gaz. vol. 203; p. 1171.
- Barker, England J., Chicago, Ill. Autographic register. No. 1,085,101; Jan. 27; Gaz. vol. 198; p. 709.
- Barker, Eros V., Celina, Ohio. Baling-press. No. 1,111,819; Sept. 29; Gaz. vol. 206; p. 1203.
- Barker, Frederic R., Brookline, Mass. Internal-combustion engine. No. 1,111,051; Sept. 22; Gaz. vol. 206; p. 900.
- Barker, George H., Pasadena, Cal. Kitchen-sink utensil. No. 1,116,543; Nov. 10; Gaz. vol. 208; p. 411.
- Barker, George H., Pasadena, assignor to Improved Sanitary Fixture Company, Los Angeles, Cal. Kitchen furniture. No. 1,116,544; Nov. 10; Gaz. vol. 208; p. 411.
- Barker, George H., assignor to Improved Sanitary Fixture Company, Los Angeles, Cal. Lavatory-fixture. No. 1,122,463; Dec. 29; Gaz. vol. 209; p. 1396.
- Barker, James, Detroit, Mich. Flexible-hinge leaf. No. 1,103,911; July 14; Gaz. vol. 204; p. 634.
- Barker, James, Detroit, Mich. Index-book. No. 1,108,317; Aug. 25; Gaz. vol. 205; p. 1097.
- Barker, John F., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Hot-water heating system. No. 1,089,813; Mar. 10; Gaz. vol. 200; p. 437.
- Barker, John H., Sheffield, England. File. No. 1,106,536; Aug. 11; Gaz. vol. 205; p. 376.

Alphabetical list of patentees—Continued.

- Barker, John H., assignor to Birmingham Metal & Munitions Company Limited, Birmingham, England. Heat treatment of metal bodies. No. 1,085,523; Jan. 27; Gaz. vol. 198; p. 853.
- Barker, John R., Jacksonville, Fla. Ejector. No. 1,116,971; Nov. 10; Gaz. vol. 208; p. 563.
- Barker, Melville H., Boston, Mass. Supporting and driving means for centrifugal machines. No. 1,103,341; July 14; Gaz. vol. 204; p. 436.
- Barker, Wells T., Lansing, Mich. Dough-rolling machine. No. 1,094,966; Apr. 28; Gaz. vol. 201; p. 1106.
- Barkham, Karl, Southampton, England. Guard or buffer for trunk-pistons or the like. No. 1,099,007; June 2; Gaz. vol. 203; p. 220.
- Barkhausen, Heinrich, Charlottenburg, and P. Kaminski, Spandau, near Berlin, assignors to Siemens & Halske, A. G., Berlin, Germany. Means for adjusting from a distance any desired objects. No. 1,123,067; Dec. 29; Gaz. vol. 209; p. 1609.
- Barkman, Stewart J. (See Bump and Barkman.)
- Barksdale, George E., Richmond, Va. Humidifier for internal-combustion-engine fuel. No. 1,119,487; Dec. 1; Gaz. vol. 209; p. 202.
- Barlow, Arthur E., assignor to Wright Wire Company, Worcester, Mass. Machine for making wire fabric. No. 1,109,563; Sept. 1; Gaz. vol. 206; p. 246.
- Barlow, James K., and G. W. Humphrey, Savannah, Tenn. Engine-cooling system. No. 1,099,684; June 9; Gaz. vol. 203; p. 495.
- Barlow, T. H. (See Schneider and Bauer, assignors.)
- Barman, Harry, San Francisco, Cal. Safety appliance for painters and the like. No. 1,109,276; Sept. 1; Gaz. vol. 206; p. 149.
- Barmon Brothers Company. (See Guyette, Louise, assignor.)
- Barmore, John D., Apalachicola, Fla. Spark-plug. No. 1,092,687; Apr. 7; Gaz. vol. 201; p. 193.
- Barnard, Arthur W., assignor of one-half to W. C. Craig, Ridgewood, N. J. Tent. No. 1,089,103; Mar. 3; Gaz. vol. 200; p. 147.
- Barnard, Jerome W., and E. C. Skiles, Joseph, Ore. Powder-divider. No. 1,118,096; Nov. 24; Gaz. vol. 208; p. 1036.
- Barnard & Leas Manufacturing Company. (See Cornwall, John B., assignor.)
- Barnard and Leas Manufacturing Company. (See Grantham and Cornwall, assignors.)
- Barnard, Sidney N. (See Bolam and Barnard.)
- Barnard, Thomas A. (See Smiley, Arthur E., assignor.)
- Barnard, Walter E., Hartford, Conn., assignor to J. T. Underwood, Brooklyn, N. Y. Clutch. No. 1,090,444; Mar. 17; Gaz. vol. 200; p. 700.
- Barnard, William F., Chicago, Ill. Apparatus for type-printing. No. 1,098,367; June 2; Gaz. vol. 203; p. 3.
- Barner, Howard S. F., Allentown, Pa. Air-cleaning machine. No. 1,100,940; June 23; Gaz. vol. 203; p. 1019.
- Barnes, Augustus R., Los Angeles, Cal. Folding cot. No. 1,091,792; Mar. 31; Gaz. vol. 200; p. 1234.
- Barnes, Benjamin F., assignor to Barnes Drill Company, Rockford, Ill. Shield or screen. No. 1,094,049; Apr. 21; Gaz. vol. 201; p. 729.
- Barnes, Burr F., Williamsport, Ohio. Bag-holder. No. 1,113,287; Oct. 13; Gaz. vol. 207; p. 348.
- Barnes, Charles H., Ilion, N. Y. Automatic firearm. No. 1,089,621; Mar. 10; Gaz. vol. 200; p. 372.
- Barnes, David F., Coleridge, Nebr. Binder-sickle guard or tooth. No. 1,104,240; July 21; Gaz. vol. 204; p. 787.
- Barnes Drill Company. (See Barnes, Benjamin F., assignor.)
- Barnes, Edward M., assignor to Advance M'fg. Co., Hastings, Mich. Suction-cleaner. No. 1,090,129; Mar. 17; Gaz. vol. 200; p. 587.
- Barnes, Elvis L., Hobart, Okla. Rail-joint. No. 1,107,017; Aug. 11; Gaz. vol. 205; p. 542.
- Barnes, Ethelbert L., Portland, Ore. Woodworking-machine. No. 1,120,120; Dec. 8; Gaz. vol. 209; p. 455.
- Barnes, Eugene C., E. T. Hagist, and G. Neil, Philadelphia, Pa. Wire-connector. No. 1,102,126; June 30; Gaz. vol. 203; p. 1481.
- Barnes, Frederick J. T., Brisbane, Queensland, Australia. Means for starting internal-combustion motors or engines. No. 1,114,334; Oct. 20; Gaz. vol. 207; p. 755.
- Barnes, Frederick W., and F. W. Lovejoy, assignors to Eastman Kodak Company, Rochester, N. Y. Loading device for cut-film holders. No. 1,113,288; Oct. 13; Gaz. vol. 207; p. 348.
- Barnes, John C. (See Latta, John W., assignor.)
- Barnes, John E. L. (See Sloan and Barnes.)
- Barnes, John S., Detroit, Mich. Wire-fence machine. No. 1,084,125; Jan. 13; Gaz. vol. 198; p. 318.
- Barnes, John W., Columbus, Ohio. Lock for levers. No. 1,100,646; June 16; Gaz. vol. 203; p. 859.
- Barnes, John W., Rock Ferry, England. Chuck for boring machines, lathes, or the like. No. 1,112,348; Sept. 29; Gaz. vol. 206; p. 1385.
- Barnes, John W., Rock Ferry, England. Drill or the like and socket therefor. No. 1,112,349; Sept. 29; Gaz. vol. 206; p. 1385.
- Barnes & Kobert Manufacturing Company, The. (See Kobert, Frank P., assignor.)
- Barnes, Lee O., Portland, Ore. Article-receptacle. No. 1,116,210; Nov. 3; Gaz. vol. 208; p. 254.
- Barnes Manufacturing Company, The. (See Smith, Sidney, assignor.)
- Barnes, Marion M., Lovilia, Iowa. Motor. No. 1,102,636; July 7; Gaz. vol. 204; p. 146.
- Barnes, Samuel L., assignor of one-half to H. Price, New Castle, Pa. Latrine-mold-casting system. No. 1,109,313; Sept. 1; Gaz. vol. 206; p. 162.
- Barnes, Theodore, Chariton, Iowa. Explosive-engine. No. 1,116,211; Nov. 3; Gaz. vol. 208; p. 254.
- Barnes, Walter E., Bridgeport, Conn., assignor to Union Special Machine Company, Chicago, Ill. Garment. No. 1,108,668; Aug. 25; Gaz. vol. 205; p. 1217.
- Barnes, William C., and C. A. Opperman, Evansville, Ind. Wire-stretcher. No. 1,119,671; Dec. 1; Gaz. vol. 209; p. 265.
- Barnett, Harley B., *et al.* (See Kirby, James B., assignor.)
- Barnett, Horatio, Malvern, Ark. Hennery. No. 1,089,303; Mar. 3; Gaz. vol. 200; p. 214.
- Barnett, Howard H., Pontiac, Mich. Door-holding device. No. 1,089,523; Mar. 10; Gaz. vol. 200; p. 340.
- Barnett, Israel, Milwaukee, Wis. Machine for treating cloth. No. 1,113,532; Oct. 13; Gaz. vol. 207; p. 436.
- Barnett, James W. (See Redding and Barnett.)
- Barnett, Otto R. (See Scott, John M., assignor.)
- Barnett, Robert A. (See Ayres and Barnett.)
- Barnett, Wheeler, Knoxville, Tenn. Hat-pin attachment. No. 1,084,190; Jan. 13; Gaz. vol. 198; p. 340.
- Barney, Edwin E., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,115,483; Nov. 3; Gaz. vol. 208; p. 5.
- Barney, Frank P., Chantley, Mass. Button and stud. No. 1,120,786; Dec. 15; Gaz. vol. 209; p. 740.
- Barney, Morgan, New Rochelle, N. Y. Motor boat or yacht. No. 1,123,068; Dec. 29; Gaz. vol. 209; p. 1609.
- Barney and Smith Car Company, The. (See Estabrook, Harry M., assignor.)
- Barney and Smith Car Company, The. (See Heater, Jacob D., assignor.)
- Barnfather, Robert, London, England. Inflating device. No. 1,105,057; July 28; Gaz. vol. 204; p. 1120.
- Barnfather, Robert, Hammersmith, London, England. Means for attaching a tire-inflating device to a road-vehicle wheel. No. 1,108,827; Aug. 25; Gaz. vol. 205; p. 1271.
- Barnhart, Andrew J., Azusa, Cal. Cultivator. No. 1,107,570; Aug. 18; Gaz. vol. 205; p. 787.
- Barnhart, Anthony W., Ellenboro, assignor to Electric Undercurrent Company, Pennsboro, W. Va. Circuit-closer for electric railways. No. 1,120,586; Dec. 8; Gaz. vol. 209; p. 622.
- Barnhart, Frank M., Findlay, Ohio. Burial-shoe. No. 1,121,158; Dec. 15; Gaz. vol. 209; p. 873.
- Barnhart, George H., Ouray, Colo. Portable electrolizer. No. 1,090,374; Mar. 17; Gaz. vol. 200; p. 673.
- Barnhill, Denzil C., La Fayette, Ind. Breath-guard. No. 1,101,898; June 30; Gaz. vol. 203; p. 1398.
- Barnick, John J., Bloomsburg, Pa. Trolley harp or head. No. 1,095,182; May 5; Gaz. vol. 202; p. 3.
- Barnickel, William S., St. Louis, Mo. Treating crude oil. No. 1,093,098; Apr. 14; Gaz. vol. 201; p. 369.
- Barnickle, Frank E., Tierra Buena, Cal. Tobacco-pipe protector. No. 1,103,168; July 14; Gaz. vol. 204; p. 378.
- Barns, Franklin E., Akron, Ohio. Receptacle. No. 1,097,385; May 19; Gaz. vol. 202; p. 838.
- Barnstead, Robert P., Boston, Mass. Means for emptying and cleansing bed-pans. No. 1,096,591; May 12; Gaz. vol. 202; p. 518.
- Barnum, Charles, Redwood Falls, Minn. Shock-forming attachment for grain-binders. No. 1,093,906; Apr. 21; Gaz. vol. 201; p. 682.
- Barnum, Dana D. (See Carpenter and Barnum.)
- Barnum, Dana D., Worcester, Mass. Gas-generator. No. 1,100,941; June 23; Gaz. vol. 203; p. 1019.
- Barnum, Dana D., Worcester, Mass., and H. A. Carpenter, Sewickley, assignors to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Apparatus for generating gas. No. 1,091,111; Mar. 24; Gaz. vol. 200; p. 959.
- Barnum, Morgan K. (See Long, Michael H., assignor.)
- Barnum, Paul, San Francisco, Cal. Wall-bed. No. 1,097,903; May 26; Gaz. vol. 202; p. 1064.
- Barnum, Paul, San Francisco, Cal. Window-sash attachment. No. 1,100,342; June 16; Gaz. vol. 203; p. 758.
- Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,086,578; Feb. 10; Gaz. vol. 199; p. 395.
- Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,096,485; May 12; Gaz. vol. 202; p. 483.
- Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Transformer. No. 1,098,549; June 2; Gaz. vol. 203; p. 68.
- Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Differential gear. No. 1,108,442; Aug. 25; Gaz. vol. 205; p. 1130.
- Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,113,289; Oct. 13; Gaz. vol. 207; p. 348.

Alphabetical list of patentees—Continued.

- Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,121,786; Dec. 22; Gaz. vol. 209; p. 1124.
- Barnum Trunk Company. (See Thiss, George R., assignor.)
- Barnwell, Abraham I., and P. Tormey, San Francisco, Cal. Lemon-squeezer. No. 1,113,594; Oct. 13; Gaz. vol. 207; p. 456.
- Barnwell, Horace S., Seattle, Wash. Clutch-operating mechanism. No. 1,108,669; Aug. 25; Gaz. vol. 205; p. 1217.
- Barnwell, John E., Elkton, S. D. Wheat-grader for fanning-mills. No. 1,098,079; May 26; Gaz. vol. 202; p. 1126.
- Baron, Adelard, New Bedford, Mass. Carpenter's bench-vise. No. 1,121,603; Dec. 22; Gaz. vol. 209; p. 1060.
- Baron, Charles S., Tiffin, Ohio. Top for jugs, &c. No. 1,115,768; Nov. 3; Gaz. vol. 208; p. 102.
- Barot, Georges, Chauny, France. Flexible table for curving glass. No. 1,107,476; Aug. 18; Gaz. vol. 205; p. 754.
- Barr, Archibald, and W. Stroud, Auniesland, Glasgow, Scotland. Sextant. No. 1,098,212; May 26; Gaz. vol. 202; p. 1170.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,085,398; Jan. 27; Gaz. vol. 198; p. 813.
- Barr, Frederic, New York, N. Y. Electric pull-switch. No. 1,097,207; May 19; Gaz. vol. 202; p. 776.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,097,208; May 19; Gaz. vol. 202; p. 776.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,097,209; May 19; Gaz. vol. 202; p. 777.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,097,210; May 19; Gaz. vol. 202; p. 777.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,107,246; Aug. 18; Gaz. vol. 205; p. 671.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,107,247; Aug. 18; Gaz. vol. 205; p. 671.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,112,882; Oct. 6; Gaz. vol. 207; p. 165.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,112,883; Oct. 6; Gaz. vol. 207; p. 165.
- Barr, John H., New York, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. No. 1,096,010; May 12; Gaz. vol. 202; p. 321.
- Barr, John U., New York, N. Y. Goggles. No. 1,095,543; May 5; Gaz. vol. 202; p. 128.
- Barr, John U., New York, N. Y. Extra-tire lock. No. 1,097,608; May 26; Gaz. vol. 202; p. 957.
- Barr, John U., New York, N. Y. Lamp. No. 1,101,829; June 30; Gaz. vol. 203; p. 1374.
- Barr, Lester S., Washington, D. C. Detector. No. 1,122,358; Dec. 29; Gaz. vol. 209; p. 1361.
- Barr, Robert J., assignor of one-half to J. N. Germain, Erie, Pa. Steel-grit blast-machine. No. 1,089,388; Mar. 10; Gaz. vol. 200; p. 289.
- Barr, Wilson, Jr., Hamilton, Ontario, Canada. Account-file. No. 1,107,742; Aug. 18; Gaz. vol. 205; p. 849.
- Barranger, Joseph E., Philadelphia, Pa. Steam-generator. No. 1,103,248; July 14; Gaz. vol. 204; p. 406.
- Barrel & Cask Closure Company, The. (See Terney, Charles F., assignor.)
- Barrer, Henry M., Chicago, Ill. Motor for electric shears. No. 1,112,884; Oct. 6; Gaz. vol. 207; p. 165.
- Barret, Hollingsworth B., Shreveport, La. Aeroplane. No. 1,095,782; May 5; Gaz. vol. 202; p. 208.
- Barret, William M., Shreveport, La. Hose-reel. No. 1,101,984; June 30; Gaz. vol. 203; p. 1430.
- Barrett Adding Machine Company. (See Barrett, Glenn J., assignor.)
- Barrett, Arthur C., Chicago, Ill. Expansion-bolt. No. 1,090,900; Mar. 24; Gaz. vol. 200; p. 884.
- Barrett, Arthur C., Chicago, Ill. Expansion-bolt. No. 1,109,955; Sept. 8; Gaz. vol. 206; p. 430.
- Barrett, Arthur C., Chicago, Ill. Expansion-bolt. No. 1,116,545; Nov. 10; Gaz. vol. 208; p. 412.
- Barrett, Arthur M., Chicago, assignor, by mesne assignments, to M. K. Barrett, Glencoe, Ill. Temporary binder. No. 1,109,029; Sept. 1; Gaz. vol. 206; p. 62.
- Barrett, Charles R., and E. A. Samuel, Chicago, Ill.; said Samuel assignor to said Barrett. Machine for forming loops on coiled springs. No. 1,114,846; Oct. 27; Gaz. vol. 207; p. 988.
- Barrett, Clifton V., Little Falls, N. Y. Paper-making machine. No. 1,098,704; June 2; Gaz. vol. 203; p. 119.
- Barrett, Eli B., Trenton, Tex. Step-by-step elevator. No. 1,114,847; Oct. 27; Gaz. vol. 207; p. 988.
- Barrett, George, Alfriston, Manurewa, New Zealand. Means for securing whip-lashes to their handles. No. 1,119,218; Dec. 1; Gaz. vol. 209; p. 111.
- Barrett, George L., Springfield, Ohio. Signal device. No. 1,096,215; May 12; Gaz. vol. 202; p. 390.
- Barrett, George L., Springfield, Ohio. Signaling device. No. 1,103,860; July 14; Gaz. vol. 204; p. 616.
- Barrett, Glenn J., Grand Rapids, Mich., assignor, by mesne assignments, to Barrett Adding Machine Company, Wilmington, Del. Actuating device for key-set calculating-machines. No. 1,108,118; Aug. 25; Gaz. vol. 205; p. 1026.
- Barrett, Glenn J., Grand Rapids, Mich., assignor to Barrett Adding Machine Co., Philadelphia, Pa. Item-counter for calculating-machines. No. 1,108,119; Aug. 25; Gaz. vol. 205; p. 1026.
- Barrett, H. A. (See Auble, James L., assignor.)
- Barrett, Halsey M., et al., receivers. (See Fessenden, Reginald A., assignor.)
- Barrett, Harry A. (See Auble, James H., assignor.)
- Barrett, Harry D., and M. Aldrich, assignors of one-half to F. C. Tatum and T. K. Richey, Tucson, Ariz. Key duplicating and recording machine. No. 1,086,883; Feb. 10; Gaz. vol. 199; p. 501.
- Barrett, Harvey N. (See Newberry and Barrett.)
- Barrett, Herbert R., Southport, and K. M. Wilson, Manchester, assignors to The Phoenix Motor Company, Altrincham, England. Carbureter. No. 1,089,524; Mar. 10; Gaz. vol. 200; p. 340.
- Barrett, James W., Buffalo, Ky. Motion-imparting mechanism for bolter-sieves. No. 1,083,652; Jan. 6; Gaz. vol. 198; p. 130.
- Barrett, Joseph C., assignor to American Kron Scale Company, New York, N. Y. Weighing-scale. No. 1,086,345; Feb. 10; Gaz. vol. 199; p. 314.
- Barrett Manufacturing Company. (See Ewell, John F., assignor.)
- Barrett Manufacturing Company. (See Stevens, Chester N., assignor.)
- Barrett, Mary K. (See Barrett, Arthur M., assignor.)
- Barrett, Mary K. (See Barrett, Saxton S., assignor.)
- Barrett, Richard L., Chicago, Ill. Carbureter. No. 1,113,533; Oct. 13; Gaz. vol. 207; p. 436.
- Barrett, Saxton S., deceased, Chicago; The Northern Trust Company, executor, assignor to M. K. Barrett, Glencoe, Ill. Temporary binder. No. 1,083,653; Jan. 6; Gaz. vol. 198; p. 130.
- Barrett, Saxton S., deceased, Chicago; The Northern Trust Company, executor, assignor to M. K. Barrett, Glencoe, Ill. Temporary binder. No. 1,109,027; Sept. 1; Gaz. vol. 206; p. 61.
- Barrett, Saxton S., deceased, Chicago; The Northern Trust Company, executor, assignor to M. K. Barrett, Glencoe, Ill. Temporary binder. No. 1,109,028; Sept. 1; Gaz. vol. 206; p. 62.
- Barrett, Timothy R., Bordentown, N. J. Illusion apparatus for theatrical and amusement purposes. No. 1,110,665; Sept. 15; Gaz. vol. 206; p. 723.
- Barrick, Christopher C., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Combined pole and lamp-post. No. 1,086,346; Feb. 10; Gaz. vol. 199; p. 314.
- Barricklow, Irvin E., Antioch, assignor of one-half to J. H. Olcovich, San Francisco, Cal. Fluid-clutch. No. 1,088,514; Feb. 24; Gaz. vol. 199; p. 1158.
- Barril, Eugene L., Iron River, Mich. Automatic train-stop. No. 1,111,638; Sept. 22; Gaz. vol. 206; p. 1103.
- Barringer, Andrew L., Statesville, N. C. Meat-tenderer. No. 1,116,668; Nov. 10; Gaz. vol. 208; p. 458.
- Barringer, George W., Lawrence, N. Y. Automobile-signal. No. 1,118,525; Nov. 24; Gaz. vol. 208; p. 1188.
- Barringer, Lawrence E., Schenectady, N. Y., assignor to General Electric Company. Insulating compound. No. 1,085,102; Jan. 27; Gaz. vol. 198; p. 710.
- Barringer, Lawrence E., Schenectady, N. Y., assignor to General Electric Company. Insulator. No. 1,091,620; Mar. 31; Gaz. vol. 200; p. 1173.
- Barringer, Lawrence E., Schenectady, N. Y., assignor to General Electric Company. Insulating material. No. 1,091,621; Mar. 31; Gaz. vol. 200; p. 1174.
- Barringer, Lawrence E., Schenectady, N. Y., assignor to General Electric Company. Insulating composition. No. 1,091,725; Mar. 31; Gaz. vol. 200; p. 1209.
- Barringer, Lawrence E., Schenectady, N. Y., assignor to General Electric Company. Insulating composition and making the same. No. 1,111,430; Sept. 22; Gaz. vol. 206; p. 1030.
- Barringer, Lawrence E., and F. C. Zapf, Schenectady, N. Y., assignors to General Electric Company. Insulating compound. No. 1,093,967; Apr. 21; Gaz. vol. 201; p. 702.
- Barringer, Paul B., Blacksburg, Va. Fire-extinguisher. No. 1,085,006; Jan. 20; Gaz. vol. 198; p. 641.
- Barrington, Charles, Jr., Los Angeles, Cal. Gas-regulator. No. 1,104,865; July 28; Gaz. vol. 204; p. 1054.
- Barrington, Charles, Jr., assignor to Perfection Gas Regulator Company, Los Angeles, Cal. Gas-regulator. No. 1,085,078; Jan. 20; Gaz. vol. 198; p. 665.
- Barrington, Charlotte N. (See Sanford, William B., assignor.)
- Barrios, Manuel, Habana, Cuba. Bleaching sugar. No. 1,117,154; Nov. 17; Gaz. vol. 208; p. 665.
- Barrois, Frank L., New Orleans, La. Mail-bag catching and delivering apparatus. No. 1,113,595; Oct. 13; Gaz. vol. 207; p. 456.
- Barron, Abner A., Duck Hill, Miss. Insect-destroyer. No. 1,106,615; Aug. 11; Gaz. vol. 205; p. 405.
- Barron, Samford O., and G. W. Faulkner, Bell, Fla. Pruning implement. No. 1,108,670; Aug. 25; Gaz. vol. 205; p. 1217.
- Barron, William L., New York, N. Y., assignor to The Singer Manufacturing Company. Button-sewing machine. No. 1,085,786; Feb. 3; Gaz. vol. 199; p. 75.

Alphabetical list of patentees—Continued.

- Barrow, William L., New York, N. Y., assignor to The Singer Manufacturing Company. Button-sewing machine. No. 1,093,241; Apr. 14; Gaz. vol. 201; p. 419.
- Barros, Manuel, New York, N. Y. Electrical window alarm-lock. No. 1,092,513; Apr. 7; Gaz. vol. 201; p. 135.
- Barrow Cottonseed Preserver Company. (See Barrow, Edward R., assignor.)
- Barrow, Edward R., assignor to Barrow Cottonseed Preserver Company, Memphis, Tenn. Sterilizing and preserving cotton-seed. No. 1,119,672; Dec. 1; Gaz. vol. 200; p. 265.
- Barrow, James M., Athens, La. Anti-rail-spreading device. No. 1,103,021; July 14; Gaz. vol. 204; p. 325.
- Barrows, Frank L., Moscow, Idaho. Mounting eye specimens. No. 1,086,265; Feb. 3; Gaz. vol. 199; p. 240.
- Barry, David R., Beaumont, Tex. Friction-clutch. No. 1,104,400; July 21; Gaz. vol. 204; p. 842.
- Barry, Hulda. (See Halvers, Charles, assignor.)
- Barry, James E. (See Zika, Frank A., assignor.)
- Barry, John J., Wichita, and F. L. Street, Neodesha, Kans. Safety-plug. No. 1,096,346; May 12; Gaz. vol. 202; p. 437.
- Barry, Richard V., Ottumwa, Iowa. Land-marker. No. 1,086,983; Feb. 10; Gaz. vol. 199; p. 534.
- Barry, Thomas F., assignor to Rubber & Celluloid Harness Trimming Co., Newark, N. J. Manufacture of brushes. No. 1,097,287; May 19; Gaz. vol. 202; p. 804.
- Barschow, George H., assignor to The American Metal Wheel & Auto Company, Toledo, Ohio. Wheel-carrying means for vehicles. No. 1,098,080; May 26; Gaz. vol. 202; p. 1126.
- Barshow, Benjamin G., Macon, Ga. Heater for fireplaces. No. 1,119,488; Dec. 1; Gaz. vol. 209; p. 203.
- Barson, Harry W., Chicago, Ill. Coin-controlled weighing-scale. No. 1,122,244; Dec. 29; Gaz. vol. 209; p. 1324.
- Barstow, Edwin O. (See Dow and Barstow.)
- Barstow, Edwin O., assignor to The Dow Chemical Company, Midland, Mich. Manufacturing arsenate of lead. No. 1,100,686; June 16; Gaz. vol. 203; p. 872.
- Barstow, Effa T., Tacoma, Wash. Holder for ironing-board covers. No. 1,112,350; Sept. 29; Gaz. vol. 206; p. 1385.
- Bart, Joseph, New York, N. Y. Refuse-vehicle. No. 1,111,052; Sept. 22; Gaz. vol. 206; p. 901.
- Bartel, David B., Hooker, Okla. Attachment for stoves. No. 1,085,007; Jan. 20; Gaz. vol. 198; p. 641.
- Bartels, Amandus, and O. Miech, Harburg-on-the-Elbe, Germany. Automatic conveyer or feeding apparatus. No. 1,093,523; Apr. 14; Gaz. vol. 201; p. 510.
- Bartels, Carl. (See Mosler and Bartels.)
- Bartels, Carl, Hamilton, Ohio, assignor to The Mosler Safe Company, New York, N. Y. Safety-deposit box. No. 1,091,556; Mar. 31; Gaz. vol. 200; p. 1151.
- Bartels, Carl, Hamilton, Ohio, assignor to The Mosler Safe Company, New York, N. Y. Safe or vault wall. No. 1,094,415; Apr. 28; Gaz. vol. 201; p. 910.
- Bartels, Carl, Hamilton, Ohio, assignor to The Mosler Safe Company, New York, N. Y. Grinding-machine. No. 1,100,704; June 23; Gaz. vol. 203; p. 935.
- Bartels, Carl, Hamilton, Ohio, assignor to The Mosler Safe Company, New York, N. Y. Plate-edge joint. No. 1,107,477; Aug. 18; Gaz. vol. 205; p. 755.
- Bartels, Ernst, Harburg-on-the-Elb, assignor to Patentirtes Schaumlöschverfahren Perfect Gesellschaft m. b. H., Berlin, Germany. Extinguishing fires. No. 1,115,887; Nov. 3; Gaz. vol. 208; p. 143.
- Bartels, Reinhard E., Newton, Mass. Boot or shoe. No. 1,089,036; Mar. 3; Gaz. vol. 200; p. 124.
- Barten, William H., Gordon, Nebr. Block-molding machine. No. 1,093,242; Apr. 14; Gaz. vol. 201; p. 419.
- Barter, Arthur E., Roslindale, Mass. Locking device for printers' galleys. No. 1,088,256; Feb. 24; Gaz. vol. 199; p. 1073.
- Barter, Percy L. (See Schlacks and Barter.)
- Barth, Curt, Dusseldorf, Germany. Bevel-gear planer. No. 1,094,190; Apr. 21; Gaz. vol. 201; p. 777.
- Barth, Ernest C., Providence, R. I. Steam-heater. No. 1,092,626; Apr. 7; Gaz. vol. 201; p. 174.
- Barth, Karl, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Locking device. No. 1,098,213; May 26; Gaz. vol. 202; p. 1171.
- Barth, Oscar, Fort Madison, Iowa. Combined fresh-air inlet and air-medicator. No. 1,111,431; Sept. 22; Gaz. vol. 206; p. 1030.
- Barthelmeß, Emil, Neuss, Germany. Pulverizing-mill. No. 1,103,557; July 14; Gaz. vol. 204; p. 509.
- Barthels Manufacturing Co. (See Wiberley, Frank, assignor.)
- Bartholdy, Max, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Loading device for turret or stationary guns. No. 1,090,093; Mar. 10; Gaz. vol. 200; p. 534.
- Bartholomew, Cassius M., Columbus, assignor of one third to H. D. Bartholomew, Newark, Ohio. Driving-gear. No. 1,097,965; May 26; Gaz. vol. 202; p. 1086.
- Bartholomew Company, The. (See Bartholomew, John B., assignor.)
- Bartholomew, Henry D. (See Bartholomew, Cassius M., assignor.)
- Bartholomew, John B., Peoria, Ill., assignor to The Bartholomew Company. Brake mechanism for motor-vehicles. No. 1,086,801; Feb. 10; Gaz. vol. 199; p. 473.
- Bartholomew, John B., Peoria, Ill., assignor to The Bartholomew Company. Lubricator. No. 1,116,784; Nov. 10; Gaz. vol. 208; p. 498.
- Bartholomew, John B., Peoria, Ill., assignor to Avery Company. Marker mechanism for planters. No. 1,092,007; Mar. 31; Gaz. vol. 200; p. 1306.
- Bartholomew, John B., Peoria, Ill., assignor, by mesne assignments, to Avery Company. Steering-gear for vehicles. No. 1,095,260; May 5; Gaz. vol. 202; p. 29.
- Bartholomew, John B., Peoria, Ill., assignor, by mesne assignments, to Avery Company. Traction-engine. No. 1,116,785; Nov. 10; Gaz. vol. 208; p. 498.
- Bartholomew, Milton. (See Quick, Arthur S., assignor.)
- Bartholomew, Thomas, assignor to M. A. Corbett, Columbus, Ohio. Pipe-coupling seal. No. 1,112,189; Sept. 29; Gaz. vol. 206; p. 1328.
- Bartholomew, Thomas W., Danville, Pa. Snap-tag. No. 1,121,061; Dec. 15; Gaz. vol. 209; p. 837.
- Bartholomew, William, assignor to Troy Laundry Machinery Company, Limited, Chicago, Ill. Stretching device for ironing-boards. No. 1,085,525; Jan. 27; Gaz. vol. 198; p. 854.
- Bartholomew, William, assignor to Troy Laundry Machinery Company Limited, Chicago, Ill. Mangle. No. 1,094,632; Apr. 28; Gaz. vol. 201; p. 988.
- Bartholomew, William, assignor to Troy Laundry Machinery Company, Limited, Chicago, Ill. Gudgeon. No. 1,095,783; May 5; Gaz. vol. 202; p. 208.
- Bartholomew, William, assignor to Troy Laundry Machinery Company, Limited, Chicago, Ill. Scoop washing-cylinder. No. 1,097,510; May 19; Gaz. vol. 202; p. 880.
- Bartholomew, William, assignor to Troy Laundry Machinery Company, Limited, Chicago, Ill. Knockdown renewable washing-cylinder. No. 1,105,174; July 28; Gaz. vol. 204; p. 1150.
- Bartholomew, William, assignor to Troy Laundry Machinery Company, Limited, Chicago, Ill. Washing-cylinder. No. 1,108,671; Aug. 25; Gaz. vol. 205; p. 1218.
- Bartholomew, William, assignor to Troy Laundry Machinery Company, Limited, Chicago, Ill. Variable-speed frictional drive mechanism. No. 1,108,672; Aug. 25; Gaz. vol. 205; p. 1218.
- Bartholomew, William, and F. Balzer, assignors to Troy Laundry Machinery Company, Limited, Chicago, Ill. Automatic pressure-roll control for mangles. No. 1,085,524; Jan. 27; Gaz. vol. 198; p. 853.
- Bartholomew, William, and F. Balzer, assignors to Troy Laundry Machinery Company, Ltd., Chicago, Ill. Pneumatic-controlled lock for centrifugal-extractor covers. No. 1,111,001; Sept. 22; Gaz. vol. 206; p. 883.
- Bartholomew, William, J. F. Broderick, and F. Balzer, assignors to Troy Laundry Machinery Company, Ltd., Chicago, Ill. Safety-guard for centrifugal extractors. No. 1,120,388; Dec. 8; Gaz. vol. 209; p. 551.
- Bartholomew, William O., et al. (See Schueremann, Philip J., assignor.)
- Bartholow, William P. (See Dobbins and Bartholow.)
- Bartlebaugh, Benjamin C., Wheeling, W. Va. Gas-furnace. No. 1,110,867; Sept. 15; Gaz. vol. 206; p. 794.
- Bartlesville Zinc Company. (See Jones, Archibald, as signor.)
- Bartlett, Albert D., Washington, D. C. Locking device for electric lamps, &c. No. 1,092,627; Apr. 7; Gaz. vol. 201; p. 175.
- Bartlett, Alton A., San Diego, Cal. Chimney cap and ventilator. No. 1,110,102; Sept. 8; Gaz. vol. 206; p. 483.
- Bartlett, Arthur W. A., and R. M. Kerr, assignors to Detroit Dental Manufacturing Company, Detroit, Mich. Blowpipe. No. 1,106,914; Aug. 11; Gaz. vol. 205; p. 508.
- Bartlett, Charles H., Elizabeth, N. J., assignor to Electric Boat Company, New York, N. Y. Engine construction. No. 1,105,604; Aug. 4; Gaz. vol. 205; p. 5.
- Bartlett, Harry D., Chicago, Ill. Sofa-bed. No. 1,115,769; Nov. 3; Gaz. vol. 208; p. 102.
- Bartlett, Harry D., assignor to Pullman Couch Company, Chicago, Ill. Sofa-bed. No. 1,108,858; Aug. 25; Gaz. vol. 205; p. 1283.
- Bartlett Hayward Company, The. (See Wagner, Frederick H., assignor.)
- Bartlett, Leonard, Chicago, Ill. Bottle-seal. No. 1,118,999; Dec. 1; Gaz. vol. 209; p. 33.
- Bartlett, Norman M., Beamsville, Ontario, Canada. Horse-collar fastener. No. 1,099,836; June 9; Gaz. vol. 203; p. 544.
- Bartlett, Percy H. (See Goldensky and Bartlett.)
- Bartlett, Reed C., Waupaca, Wis. Bug and worm collector. No. 1,108,882; Sept. 1; Gaz. vol. 206; p. 6.
- Bartley, Milton, Pittsburgh, Pa. Railway-track construction. No. 1,101,985; June 30; Gaz. vol. 203; p. 1430.
- Bartley, Milton, Pittsburgh, Pa. Railway-track construction. No. 1,107,048; Aug. 11; Gaz. vol. 205; p. 542.
- Bartlog, Charles A., Milwaukee, Wis. Cranking device for internal-combustion engines. No. 1,086,012; Feb. 3; Gaz. vol. 199; p. 155.

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- Bartlog, Charles A., Milwaukee, Wis. Mud-guard for cranking devices. No. 1,088,317; Feb. 24; Gaz. vol. 199; p. 1093.
- Bartlog, Charles A., Milwaukee, Wis. Cranking device for internal-combustion engines. No. 1,096,347; May 12; Gaz. vol. 202; p. 438.
- Bartók, Ladislaus. (See Von Vargyas and Bartók.)
- Bartol, Michael J., Dunlo, Pa. Non-refillable bottle. No. 1,106,616; Aug. 11; Gaz. vol. 205; p. 405.
- Barton, David R., North Yakima, Wash. Stovepipe-lock. No. 1,109,030; Sept. 1; Gaz. vol. 206; p. 62.
- Barton, Delbert E., deceased, Milwaukee, Wis.; J. H. Spence, administrator. Trolley. No. 1,085,318; Jan. 27; Gaz. vol. 198; p. 786.
- Barton, Forest T., and O. Henson, assignors of one-third to L. N. Kemper, Seattle, Wash. Garment-exhibiting apparatus. No. 1,088,958; Mar. 3; Gaz. vol. 200; p. 99.
- Barton, Forest T., and O. Henson, assignors of one-third to L. N. Kemper, Seattle, Wash. Show-case door. No. 1,094,695; Apr. 28; Gaz. vol. 201; p. 1011.
- Barton, Francis C., Philadelphia, Pa. Plaster composition for dissemination. No. 1,099,961; June 16; Gaz. vol. 203; p. 626.
- Barton, James. (See Askew and Masters, assignors.)
- Barton, Joseph, J. Melbourn, F. Needham, and J. G. Green, Cle Elum, Wash. Lantern. No. 1,102,854; July 7; Gaz. vol. 204; p. 220.
- Barton, Joseph M., Danvers, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-attaching machine. No. 1,120,667; Dec. 15; Gaz. vol. 209; p. 698.
- Barton, Joseph T., assignor to F. G. Forbes, Chicago, Ill. Underscoring-rule. No. 1,090,965; Mar. 24; Gaz. vol. 200; p. 908.
- Barton, Louis E. (See Rossi and Barton.)
- Barton, Thomas E., Washington, D. C. Fastening device for screens. No. 1,113,946; Oct. 20; Gaz. vol. 207; p. 618.
- Barton, Thomas F., Chicago, Ill. Outside flush door for box-cars. No. 1,087,346; Feb. 17; Gaz. vol. 199; p. 710.
- Barton, William P., Idaho Falls, Idaho. Steering-wheel heater for road-vehicles. No. 1,117,473; Nov. 17; Gaz. vol. 208; p. 779.
- Bartosz, Joseph A., Salem, Oreg. Hitching-post. No. 1,087,567; Feb. 17; Gaz. vol. 199; p. 788.
- Bartosz, Joseph A., Salem, Oreg. Draper. No. 1,094,191; Apr. 21; Gaz. vol. 201; p. 778.
- Bartow, Wallace V. (See Loper, John W., assignor.)
- Bary, Henry M. B., Philadelphia, Pa. Vertical loader for weighing-scales. No. 1,104,401; July 21; Gaz. vol. 204; p. 843.
- Barz, Fred H., Ventura, Iowa. Hay-fork. No. 1,092,087; Mar. 31; Gaz. vol. 200; p. 1332.
- Basch, Sigmund. (See Meizer, Max, assignor.)
- Baschy, Heinrich, Hamburg, Germany. Tube-cleaning apparatus. No. 1,119,337; Dec. 1; Gaz. vol. 209; p. 150.
- Bascom, Joseph D. (See Babb, Harry M., assignor.)
- Bascom, Joseph D. (See Frederick and Niemeier, assignors.)
- Basedow, Fred, Chicago, Ill. Flash-lamp attachment for electric batteries. No. 1,120,668; Dec. 15; Gaz. vol. 209; p. 698.
- Basenau, Fritz. (See Van Hall, Basenau, and Van Haagen.)
- Bashaw, George W., W. O. Cook, and P. C. Withrow, Denver, Colo. Means for operating doors. No. 1,095,544; May 5; Gaz. vol. 202; p. 128.
- Bashaw, John N., Lake Geneva, Wis. Headlight for automobiles. No. 1,088,055; Feb. 24; Gaz. vol. 199; p. 1004.
- Bashelier, Frank M., Jenkintown, assignor to Keystone Type Foundry, Philadelphia, Pa. Printer's cabinet. No. 1,121,453; Dec. 15; Gaz. vol. 209; p. 972.
- Basić, Anthony M., Spalato, Austria-Hungary. Automatic car-coupling. No. 1,120,587; Dec. 8; Gaz. vol. 209; p. 622.
- Baskervill, George B., Jr., Birmingham, Ala. Rotary condenser or absorber. No. 1,110,035; Sept. 8; Gaz. vol. 206; p. 458.
- Baskerville, Charles. (See Hagemann and Baskerville.)
- Baskerville, Charles, New York, N. Y. Bleaching cotton-seed oil. No. 1,105,743; Aug. 4; Gaz. vol. 205; p. 55.
- Baskerville, Charles, New York, N. Y. Refining vegetable and animal oils. No. 1,105,744; Aug. 4; Gaz. vol. 205; p. 55.
- Baskerville, Charles, New York, N. Y. Bleaching oils and fats. No. 1,114,095; Oct. 20; Gaz. vol. 207; p. 670.
- Baskerville, Charles, New York, N. Y., assignor to Welsbach Light Company, Gloucester City, N. J. Extracting thoria from monazite sand. No. 1,087,099; Feb. 17; Gaz. vol. 199; p. 624.
- Baskerville, David, Franklin, Manitoba, Canada. Hitch for gang-plows. No. 1,101,777; June 30; Gaz. vol. 203; p. 1356.
- Baskin, Edwin T., Independence, Mo. Glove. No. 1,105,239; July 28; Gaz. vol. 204; p. 1184.
- Baskin, Edwin T., Independence, Mo. Glove. No. 1,109,102; Sept. 1; Gaz. vol. 206; p. 87.
- Baskin, Samuel A., Temple, Ga. Bridle-bit. No. 1,113,863; Oct. 13; Gaz. vol. 207; p. 551.
- Baskin, W. W., *et al.* (See Walker, James M., assignor.)
- Basler, George, assignor to Basler Machinery Company, Lynn, Mass. Rough-rounder. No. 1,121,578; Dec. 15; Gaz. vol. 209; p. 1016.
- Basler Machinery Company. (See Basler, George, assignor.)
- Basom, James W., Newton, Kans. Clamp. No. 1,101,235; June 23; Gaz. vol. 203; p. 1120.
- Bason, George F., New York, N. Y. Tank. No. 1,103,470; July 14; Gaz. vol. 204; p. 480.
- Bass, Charlie W., Headland, Ala. Vehicle-brake. No. 1,101,236; June 23; Gaz. vol. 203; p. 1120.
- Bass, Robert W., St. Matthews, S. C. Combined gage and cutting-tool. No. 1,100,666; June 16; Gaz. vol. 203; p. 866.
- Basset, Gorham F. (See Clay and Basset.)
- Bassett, Alvin J., assignor to Sharp-Bassett Gas Producer Company, Milwaukee, Wis. Gas-producer. No. 1,098,875; June 2; Gaz. vol. 203; p. 176.
- Bassett, Alvin J., assignor to Sharp-Bassett Gas Producer Company, Milwaukee, Wis. Gas-filter. No. 1,103,249; July 14; Gaz. vol. 204; p. 406.
- Bassett, Harry P., Catonsville, Md. Treatment of aluminum-bearing materials. No. 1,095,306; May 5; Gaz. vol. 202; p. 46.
- Bassett, Harry P., assignor to The Spar Chemical Company, Baltimore, Md. Separating sodium and potassium salts. No. 1,091,033; Mar. 24; Gaz. vol. 200; p. 932.
- Bassett, Harry P., Catonsville, assignor to The Spar Chemical Company, Baltimore, Md. Obtaining potash from feldspar. No. 1,091,034; Mar. 24; Gaz. vol. 200; p. 932.
- Bassett, Henry H., *et al.* (See Bassett, Robert D., assignor.)
- Bassett, Robert D., assignor of one-third to K. A. Krantz, Kinzua, and one-third to H. H. Bassett, Grand Valley, Pa. Recovering and grading gasoline. No. 1,120,669; Dec. 15; Gaz. vol. 209; p. 699.
- Bassett, Robert D., assignor of one-third to K. A. Krantz, Kinzua, and one-third to H. H. Bassett, Grand Valley, Pa. Apparatus for recovering and grading gasoline. No. 1,120,670; Dec. 15; Gaz. vol. 209; p. 699.
- Bassford, William K., Perth Amboy, N. J. Explosive-engine. No. 1,105,017; July 28; Gaz. vol. 204; p. 1105.
- Bassford, William K., Perth Amboy, N. J., assignor to Universal Oil Converter Company, Long Island City, N. Y. Explosive-engine. No. 1,105,016; July 28; Gaz. vol. 204; p. 1104.
- Bassford, William K., Perth Amboy, N. J., assignor to Universal Oil Converter Company, Long Island City, N. Y. Explosive-engine. No. 1,105,592; July 28; Gaz. vol. 204; p. 1308.
- Bassick, Edgar W., Bridgeport, Conn. Lubricator. No. 1,102,127; June 30; Gaz. vol. 203; p. 1482.
- Bassler, Edwin M., Chicago, Ill. Injector. No. 1,117,626; Nov. 17; Gaz. vol. 208; p. 831.
- Bassler, John M., Marion, Ohio. Revolving harrow. No. 1,091,273; Mar. 24; Gaz. vol. 200; p. 1014.
- Basso, Frank G., Great Falls, Mont. Pipe-wrench. No. 1,088,198; Feb. 24; Gaz. vol. 199; p. 1053.
- Bast, Emil J. (See Bast, Friedrich C. and E. J.)
- Bast, Friedrich C. and E. J., Gary, Minn. Gearing. No. 1,092,328; Apr. 7; Gaz. vol. 201; p. 71.
- Baster, Joseph E., Cleveland, Ohio. Crusher or disintegrator. No. 1,121,454; Dec. 15; Gaz. vol. 209; p. 972.
- Bastian Blessing Company, The. (See Koesche, Andrew, assignor.)
- Bastian Brothers Company. (See Hornich, William, Jr., assignor.)
- Bastian, Charles O., London, England, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric apparatus. No. 1,110,607; Sept. 15; Gaz. vol. 206; p. 702.
- Bastian, Charles O., London, England, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Electric vapor apparatus. No. 1,110,608; Sept. 15; Gaz. vol. 206; p. 703.
- Bastian, Charles O., London, England, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric apparatus. No. 1,110,609; Sept. 15; Gaz. vol. 206; p. 703.
- Bastian, Charles O., London, England, assignor to Cooper Hewitt Electric Co., Hoboken, N. J. Vapor electric apparatus. No. 1,110,985; Sept. 15; Gaz. vol. 206; p. 833.
- Bastian, Charles O., London, England, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric apparatus. No. 1,122,185; Dec. 22; Gaz. vol. 209; p. 1263.
- Bastian, John A., assignor of one-half to A. H. Lane, Philadelphia, Pa. Rotary support for rolled fabric. No. 1,102,128; June 30; Gaz. vol. 203; p. 1482.
- Baston, Uberty W. (See Dougherty and Baston.)
- Batchelder, Asa F., Glenville, N. Y., assignor to General Electric Company. Locomotive-truck. No. 1,115,158; Oct. 27; Gaz. vol. 207; p. 1100.
- Batchelder, Frank R., Worcester, Mass. Cartridge belt or carrier. No. 1,100,047; June 16; Gaz. vol. 203; p. 655.
- Batchelder, Frank R., Worcester, Mass. Woven strap. No. 1,109,564; Sept. 1; Gaz. vol. 206; p. 247.
- Batchelder, Mark F. (See Havens, Ernest A., assignor.)

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- Batcheller, Birney C., New York, N. Y. Timing mechanism. No. 1,087,631; Feb. 17; Gaz. vol. 199; p. 811.
- Batcheller, Birney C., Philadelphia, Pa., assignor to The Pearsall Pneumatic Tube and Power Company, New York, N. Y. Pneumatic-despatch-tube apparatus. No. 1,115,770; Nov. 3; Gaz. vol. 208; p. 102.
- Batcheller, George E., Mount Vernon, N. Y. Pneumatic-tire mold. No. 1,113,925; Oct. 13; Gaz. vol. 207; p. 571.
- Batchelor, Albert, Melbourne Ridge, Quebec, Canada. Lantern-globe guard. No. 1,111,942; Sept. 29; Gaz. vol. 206; p. 1245.
- Batchelor, John S., Covington, Ky. Blacking and oil-paste box. No. 1,119,219; Dec. 1; Gaz. vol. 209; p. 111.
- Batdorf, Charles S., Brooklyn, N. Y. Manual start and stop motion. No. 1,107,878; Aug. 18; Gaz. vol. 205; p. 895.
- Batdorf, Charles S., Brooklyn, assignor to Automatic Coin-wrapping Machine Company, New York, N. Y. Coin-packaging holder. No. 1,084,569; Jan. 13; Gaz. vol. 198; p. 464.
- Batdorf, Charles S., Brooklyn, N. Y., assignor to Automatic Coin-Wrapping Machine Company. Coin sorting and computing machine. No. 1,103,124; July 14; Gaz. vol. 204; p. 362.
- Batdorf, Charles S., Brooklyn, assignor to Automatic Coin-Wrapping Machine Company, New York, N. Y. Crimper mechanism. No. 1,118,097; Nov. 24; Gaz. vol. 208; p. 1037.
- Bate, Alfred J., Yonkers, N. Y. Broom-holder. No. 1,095,068; Apr. 28; Gaz. vol. 201; p. 1140.
- Bate, Ira D., West Jefferson, Ohio. Attachment for threshing-machine feeders. No. 1,104,033; July 21; Gaz. vol. 204; p. 717.
- Bate, James, Detroit, Mich. Die-casting machine. No. 1,121,455; Dec. 15; Gaz. vol. 209; p. 973.
- Bate, Richard H., Jr., Conshohocken, Pa. Boiler-flue cleaner. No. 1,116,366; Nov. 10; Gaz. vol. 208; p. 347.
- Bateman, John M., Coalinga, Cal. Shock-absorbing spring. No. 1,120,671; Dec. 15; Gaz. vol. 209; p. 700.
- Bateman, Loftus H. (See Bateman, Richard W. and L. H.)
- Bateman Manufacturing Company. (See Willis, Leland, assignor.)
- Bateman Manufacturing Company. (See Willis and Woodworth, assignors.)
- Bateman, Richard W., Leeds, and L. H. Bateman, Longsight, Manchester, England. Driving and reversing gearing. No. 1,111,206; Sept. 22; Gaz. vol. 206; p. 954.
- Bates, Adelmor M., assignor to Bates Valve Bag Company, Chicago, Ill. Apparatus for applying closures to packages. No. 1,099,275; June 9; Gaz. vol. 203; p. 353.
- Bates, Adelmor M., assignor to Bates Valve Bag Company, Chicago, Ill. Propeller. No. 1,100,942; June 23; Gaz. vol. 203; p. 1019.
- Bates, Adelmor M., assignor to Bates Valve Bag Company, Chicago, Ill. Filling packages. No. 1,104,726; July 21; Gaz. vol. 204; p. 956.
- Bates, Adelmor M., assignor to Bates Valve Bag Company, Chicago, Ill. Valve-bag. No. 1,107,879; Aug. 18; Gaz. vol. 205; p. 895.
- Bates, Albert E., Nyack, N. Y. Desk-calendar. No. 1,083,913; Jan. 13; Gaz. vol. 198; p. 245.
- Bates, Albert H., assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,106,071; Aug. 4; Gaz. vol. 205; p. 170.
- Bates, Albert H., East Cleveland, assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,113,290; Oct. 13; Gaz. vol. 207; p. 349.
- Bates, Albert J., Chicago, Ill. Fence-post stub. No. 1,083,582; Jan. 6; Gaz. vol. 198; p. 107.
- Bates, Albert J., assignor to C. A. Brewer, Chicago, Ill. Board-filling machine. No. 1,118,098; Nov. 24; Gaz. vol. 208; p. 1037.
- Bates, Alfred, administrator. (See Randall and Bates.)
- Bates, Arthur. (See Jerram, Bates, and Gouldbourn.)
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,095,261; May 5; Gaz. vol. 202; p. 30.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,096,486; May 12; Gaz. vol. 202; p. 483.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,115,484; Nov. 3; Gaz. vol. 208; p. 6.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Cutting-die. No. 1,116,367; Nov. 10; Gaz. vol. 208; p. 347.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Heel-breasting machine. No. 1,117,627; Nov. 17; Gaz. vol. 208; p. 832.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Knife-clamp. No. 1,117,628; Nov. 17; Gaz. vol. 208; p. 833.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Toe-molding machine. No. 1,117,629; Nov. 17; Gaz. vol. 208; p. 833.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Preliminary toe-former. No. 1,117,630; Nov. 17; Gaz. vol. 208; p. 834.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Preliminary toe-former. No. 1,117,631; Nov. 17; Gaz. vol. 208; p. 834.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Cover-support for abrading or polishing tools. No. 1,119,000; Dec. 1; Gaz. vol. 209; p. 34.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Making shoes. No. 1,120,672; Dec. 15; Gaz. vol. 209; p. 700.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Heel-finishing machine. No. 1,122,057; Dec. 22; Gaz. vol. 209; p. 1221.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Heel-attaching machine. No. 1,122,058; Dec. 22; Gaz. vol. 209; p. 1221.
- Bates, Arthur, and T. Briggs, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Machine for operating upon boots and shoes. No. 1,105,605; Aug. 4; Gaz. vol. 205; p. 6.
- Bates, Arthur, and T. Briggs, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,107,248; Aug. 18; Gaz. vol. 205; p. 672.
- Bates, Arthur, and R. H. Silvester, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,113,088; Oct. 6; Gaz. vol. 207; p. 233.
- Bates, Arthur, Leicester, and H. E. Cooper, Norwich, England, assignors to United Shoe Machinery Company, Paterson, N. J. Turn-shoe re-forming machine. No. 1,121,967; Dec. 22; Gaz. vol. 209; p. 1188.
- Bates, Arthur, Leicester, and H. E. Cooper, Norwich, England, assignors to United Shoe Machinery Company, Paterson, N. J. Shoe-support for turn-shoe re-forming and other machines. No. 1,121,968; Dec. 22; Gaz. vol. 209; p. 1189.
- Bates, Arthur, A. E. Jerram, and J. Gouldbourn, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Skiving-machine. No. 1,103,928; July 21; Gaz. vol. 204; p. 681.
- Bates, Arthur C., Brownsville, Cal. Wrench. No. 1,097,072; May 19; Gaz. vol. 202; p. 729.
- Bates, Charles A., Vernon Hill, Va. Pulverizer. No. 1,102,230; July 7; Gaz. vol. 204; p. 4.
- Bates, Charles A., Marshalltown, Iowa. Bell-ringer. No. 1,114,671; Oct. 20; Gaz. vol. 207; p. 872.
- Bates, Clarence A., assignor to The Bryant Electric Company, Bridgeport, Conn. Push-switch. No. 1,095,138; Apr. 28; Gaz. vol. 201; p. 1163.
- Bates, Clifford V., Chicago, Ill. Cigar-cutter. No. 1,119,220; Dec. 1; Gaz. vol. 209; p. 112.
- Bates, Clifford V., Chicago, Ill. Match-box holder. No. 1,119,221; Dec. 1; Gaz. vol. 209; p. 112.
- Bates, Oresser T., Orange, assignor to L. S. Starrett, Athol, Mass. Vise. No. 1,121,891; Dec. 22; Gaz. vol. 209; p. 1162.
- Bates, Eddo V., Lowell, assignor of one-half to R. B. Robinson, Dracut, Mass. Breast for carding-machines. No. 1,103,649; July 14; Gaz. vol. 204; p. 545.
- Bates, Edmund A. (See Randall and Bates.)
- Bates, Frank E., assignor to The Whitin Machine Works, Whitinsville, Mass. Power control for spinning-machines. No. 1,109,195; Sept. 1; Gaz. vol. 206; p. 120.
- Bates, George G., Syracuse, N. Y. Hay-rack. No. 1,098,658; June 2; Gaz. vol. 203; p. 103.
- Bates, Grover C., Beardstown, Tenn. Two-speed mower. No. 1,117,763; Nov. 17; Gaz. vol. 208; p. 882.
- Bates, Harry, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,089,037; Mar. 3; Gaz. vol. 200; p. 124.
- Bates, Henry A., Middletown, Conn. Device for heating wound thread-bobbins. No. 1,085,787; Feb. 3; Gaz. vol. 199; p. 75.
- Bates, J. M., *et al.* (See Engle, William G., assignor.)
- Bates, James H. S. (See Nicholas, Francis C., assignor.)
- Bates Machine Co. (See Moore, Ernest A., assignor.)
- Bates, Ralph E. (See Nazel and Bates.)
- Bates, Ralph E., assignor to J. Nazel, Philadelphia, Pa. Power-hammer. No. 1,084,689; Jan. 20; Gaz. vol. 198; p. 534.
- Bates, Ralph E., assignor, by mesne assignments, to Automobile Development Company, Philadelphia, Pa. Pneumatic shock-absorber. No. 1,105,953; Aug. 4; Gaz. vol. 205; p. 128.
- Bates, Russell R. (See Fox and Bates.)
- Bates, Thomas W., *et al.* (See Whitaker, Samuel T., assignor.)
- Bates Valve Bag Company. (See Bates, Adelmor M., assignor.)

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- Bates, William H., Chicago, Ill. Valve-operating mechanism for steam-engines. No. 1,120,994; Dec. 15; Gaz. vol. 209; p. 812.
- Bathrick, Charles E., assignor to F. C. Austin, Chicago, Ill. Asphalt-chopping machine. No. 1,089,356; Mar. 3; Gaz. vol. 200; p. 232.
- Bathrick, Frank M., *et al.* (See Anderson, Per G., assignor.)
- Batt, Charles N., Waterford, assignor of one-half to J. T. Chapman, Albany, N. Y. Folding-machine. No. 1,091,557; Mar. 31; Gaz. vol. 200; p. 1151.
- Batt, Frank, North Tonawanda, N. Y. Transportation-ticket. No. 1,107,743; Aug. 18; Gaz. vol. 205; p. 849.
- Battaille, Octave, Basècles, Belgium, and P. Pipecaut, Paris, France. Apparatus for spreading pyrites in roasting-furnaces. No. 1,089,304; Mar. 3; Gaz. vol. 200; p. 214.
- Batten, Annie H., Philadelphia, Pa. Shoe. No. 1,114,435; Oct. 20; Gaz. vol. 207; p. 792.
- Batten, Edward, Beckenham, England, assignor to The Narin Linoleum Company, Kearny, N. J. Pressing machinery. No. 1,120,588; Dec. 8; Gaz. vol. 209; p. 623.
- Batten, Percy H. (See Pettis and Batten.)
- Batten, William, New York Mills, N. Y. Frier. No. 1,117,632; Nov. 17; Gaz. vol. 208; p. 835.
- Battenberg Car Seal and Equipment Co. (See Weyand, Lawrence C., assignor.)
- Batter, Frank, St. Johns, Oreg. Apparatus for therapeutic treatment of air of a sick-room. No. 1,107,744; Aug. 18; Gaz. vol. 205; p. 849.
- Batter, Frank, St. Johns, Oreg. Therapeutic treatment of air in a sick-room. No. 1,107,745; Aug. 18; Gaz. vol. 205; p. 850.
- Batter, Morris, New Haven, Conn. Laundry tub or tray. No. 1,108,120; Aug. 25; Gaz. vol. 205; p. 1027.
- Batterson, Elmer S., Chicago, Ill. Map. No. 1,089,741; Mar. 10; Gaz. vol. 200; p. 413.
- Batthey, Alfred F. (See Savory and Batthey.)
- Batthey, Joseph E., Pittsburgh, Pa. Chair-tip. No. 1,112,108; Sept. 29; Gaz. vol. 206; p. 1301.
- Bättig, Josef, Stein, Switzerland. Ligature for leather strings and the like. No. 1,095,784; May 5; Gaz. vol. 202; p. 209.
- Battista, Juan C., New York, N. Y. Aeroplane. No. 1,112,885; Oct. 6; Gaz. vol. 207; p. 166.
- Batts, William O., Granite, Colo. Lamp. No. 1,084,126; Jan. 13; Gaz. vol. 198; p. 318.
- Battu, Leonce L., New York, N. Y., assignor to Rateau Steam Regenerator Company. Steam-regenerative accumulator. No. 1,097,835; May 26; Gaz. vol. 202; p. 1038.
- Battu, Leonce L., New York, N. Y., assignor to Rateau Steam Regenerator Company. Steam-regenerator. No. 1,097,836; May 26; Gaz. vol. 202; p. 1038.
- Battu, Leonce L., New York, N. Y., assignor to Rateau Steam Regenerator Company. Steam-regenerator installation. No. 1,097,837; May 26; Gaz. vol. 202; p. 1039.
- Battu, Ruth. (See Smoot, Charles H., assignor.)
- Baucom, Carson D. (See Schroeder and Baucom.)
- Bauder, Charles E., Galetton, Pa. Steering-gear. No. 1,110,103; Sept. 8; Gaz. vol. 206; p. 483.
- Baudoin, Louis A., assignor to Edwards & Loomis Co., Chicago, Ill. Bag-sewing machine. No. 1,111,877; Sept. 29; Gaz. vol. 206; p. 1225.
- Bauer, Adam J., Oswego, N. Y. Adjustable window-screen. No. 1,120,361; Dec. 8; Gaz. vol. 209; p. 542.
- Bauer, Arthur M., Akron, Ohio. Rail-joint. No. 1,104,241; July 21; Gaz. vol. 204; p. 788.
- Bauer & Black. (See Bauer, Perry S., assignor.)
- Bauer & Black. (See Schulz, Otto C., assignor.)
- Bauer, Frank, assignor of one-half to O. Kallinger, Kansas City, Mo. Trousers stretching and creasing device. No. 1,087,707; Feb. 17; Gaz. vol. 199; p. 838.
- Bauer, Frank W. (See Schneider and Bauer.)
- Bauer, Georg J., Frankfurt-on-the-Main, Germany, assignor to Simon, Bühler & Baumann, Inc., New York, N. Y. Arrangement for precipitating dust by means of water. No. 1,110,868; Sept. 15; Gaz. vol. 206; p. 795.
- Bauer, Gustav R., Oceanpark, Cal. Amalgamator. No. 1,114,573; Oct. 20; Gaz. vol. 207; p. 840.
- Bauer, Harvey W., Spokane, Wash. Combination provision and extensible-table chest. No. 1,109,734; Sept. 8; Gaz. vol. 206; p. 352.
- Bauer, Hugo. (See Ehrlich and Bauer.)
- Bauer, Johan G. L., Chicago, Ill. Treadle mechanism. No. 1,103,471; July 14; Gaz. vol. 204; p. 480.
- Bauer, John, Ordway, Colo. Excavating and loading apparatus. No. 1,094,967; Apr. 28; Gaz. vol. 201; p. 1107.
- Bauer, John G., Warsaw, N. Y. Cigar-box. No. 1,085,526; Jan. 27; Gaz. vol. 198; p. 854.
- Bauer, John G., Warsaw, N. Y. Folding suit-box. No. 1,122,464; Dec. 29; Gaz. vol. 209; p. 1396.
- Bauer, John P. (See Melanson, Ranchford B., assignor.)
- Bauer, John W. (See Bauer, Lawrence E., assignor.)
- Bauer, Joseph, Oakland, Cal. Safety-brake. No. 1,116,546; Nov. 10; Gaz. vol. 208; p. 412.
- Bauer, Lawrence E., Baltimore, assignor of three-fourths to J. W. Bauer, Havre de Grace, Md. Can-opener. No. 1,115,159; Oct. 27; Gaz. vol. 207; p. 1100.
- Bauer, Louis, New York, N. Y. Adjustable shirt-sleeve. No. 1,085,399; Jan. 27; Gaz. vol. 198; p. 814.
- Bauer, Louis, New York, N. Y. Window-fastener. No. 1,093,595; Apr. 21; Gaz. vol. 201; p. 576.
- Bauer, Louis P., Pekin, Ill., assignor to Corn Products Refining Company. Starch-drying apparatus. No. 1,099,276; June 9; Gaz. vol. 203; p. 353.
- Bauer, Oscar, New York, N. Y. Universal stoneworking-machine. No. 1,112,250; Sept. 29; Gaz. vol. 206; p. 1352.
- Bauer, Perry S., assignor to Bauer & Black, Chicago, Ill. Bandage-clip. No. 1,084,245; Jan. 13; Gaz. vol. 198; p. 359.
- Bauer, Perry S., assignor to Bauer & Black, Chicago, Ill. Surgical-bandage package. No. 1,087,916; Feb. 24; Gaz. vol. 199; p. 953.
- Bauer, Perry S., assignor to Bauer & Black, Chicago, Ill. Air-tight receptacle. No. 1,107,746; Aug. 18; Gaz. vol. 205; p. 850.
- Bauer, Perry S., assignor to Bauer & Black, Chicago, Ill. Surgical-bandage container. No. 1,107,747; Aug. 18; Gaz. vol. 205; p. 850.
- Bauer, Perry S., assignor to Bauer & Black, Chicago, Ill. Adhesive-plaster spool. No. 1,113,291; Oct. 13; Gaz. vol. 207; p. 349.
- Bauer, Perry S., assignor to Bauer & Black, Chicago, Ill. Adhesive-plaster box. No. 1,121,062; Dec. 15; Gaz. vol. 209; p. 837.
- Bauer, Walter J. (See Day, Edward J., assignor.)
- Bauer, Wilhelm, Vohwinkel, A. Herre, and R. Mayer, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Halogenated 2,3-naphthiisatins. No. 1,083,518; Jan. 6; Gaz. vol. 198; p. 85.
- Bauer, Wilhelm, Vohwinkel, A. Herre, and R. Mayer, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Vat dyestuffs. No. 1,101,778; June 30; Gaz. vol. 203; p. 1356.
- Bauerle, Otto, Sacramento, Cal. Coaling device. No. 1,090,012; Mar. 10; Gaz. vol. 200; p. 507.
- Bauerle, Walter E. (See Wade and Bauerle.)
- Bauers, Clarence D. (See Miller, Frank W., assignor.)
- Baughan, Charles A. (See Taylor, Robert L., assignor.)
- Baughman, Edson C., Topeka, Kans. Ice-cream dipper. No. 1,120,888; Dec. 15; Gaz. vol. 209; p. 776.
- Baughman, Jacob R. (See Baughman, Joseph D. and J. R.)
- Baughman, James W. (See Allen and Baughman.)
- Baughman, John F., Auburn, Ind. Adjustable splint. No. 1,089,305; Mar. 3; Gaz. vol. 200; p. 215.
- Baughman, John S. (See Bronson, Bert L., assignor.)
- Baughman, Joseph D. and J. R., Dayton, Ohio. Coaster-brake. No. 1,099,901; June 9; Gaz. vol. 203; p. 569.
- Bauknight, Paul F. (See Hightower, James C., assignor.)
- Baulig, Anthony J., assignor to Rome Metallic Bedstead Company, Rome, N. Y. Buffing-machine. No. 1,086,698; Feb. 10; Gaz. vol. 199; p. 436.
- Baum, Albert E. (See Schoel and Baum.)
- Baum, Christoph F., Chicago, Ill. Gimp-making machine. No. 1,098,081; May 26; Gaz. vol. 202; p. 1126.
- Baum, Edwin P., Keokuk, Iowa. Oil-purifying apparatus. No. 1,109,103; Sept. 1; Gaz. vol. 206; p. 87.
- Baum, Edwin P., Keokuk, Iowa. Mold for fence-posts. No. 1,109,389; Sept. 1; Gaz. vol. 206; p. 190.
- Baum, Emilia, New York, N. Y. Hair-drying comb. No. 1,096,666; May 12; Gaz. vol. 202; p. 543.
- Baum, Erich, and M. Mugdan, assignors to Consortium für Elektrochemische Industrie G. m. b. H., Nuremberg, Germany. Preparing acetaldehyde. No. 1,096,667; May 12; Gaz. vol. 202; p. 543.
- Baum, Erich, and M. Mugdan, assignors to Consortium für elektrochemische Industrie G. m. b. H., Nuremberg, Germany. Preparing acetaldehyde. No. 1,107,019; Aug. 11; Gaz. vol. 205; p. 542.
- Baum, Jacob, Cincinnati, Ohio. Detachable belt-coupling. No. 1,119,222; Dec. 1; Gaz. vol. 209; p. 112.
- Baum, James B., assignor of one-tenth to O. B. Trumbo, one-tenth to J. W. Fleming, one-tenth to R. W. Shropshire, one-tenth to J. E. McKenzie, three-twentieths to C. W. Gray, three-twentieths to H. Longwell, one-twentieth to L. Davis, one-twentieth to A. E. Patton, and one-twentieth to L. Waters, Grand Junction, Colo. Railway-rail. No. 1,083,791; Jan. 6; Gaz. vol. 198; p. 175.
- Baum, Michel, and J. Wimmer, Munich, Germany; said Wimmer assignor to said Baum. Adding-machine. No. 1,095,545; May 5; Gaz. vol. 202; p. 128.
- Bauman, Louis C., St. Joseph, Mo. Binder. No. 1,095,069; Apr. 28; Gaz. vol. 201; p. 1140.
- Bauman, Rudolph, Newark, N. J. Device for elevating and turning vehicles. No. 1,087,424; Feb. 17; Gaz. vol. 199; p. 738.
- Baumann, Gottfried, Heaton Mersey, England. Combined brake, lock, and jack for automobiles. No. 1,112,427; Oct. 6; Gaz. vol. 207; p. 3.
- Baumann, Oscar A., St. Charles, Mo. Box-lid fastener. No. 1,100,647; June 16; Gaz. vol. 203; p. 860.
- Baumann, Wooten L., Coalinga, Cal. Pawl-and-ratchet device. No. 1,111,125; Sept. 22; Gaz. vol. 206; p. 926.

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- Baumaterialien-Aufzucht Gesellschaft, mit beschränkter Haftung. (See Schlösser and Lorenz, assignors.)
- Baumbach, William von, Milwaukee, Wis. Refrigerator. No. 1,122,846; Dec. 29; Gaz. vol. 209; p. 1531.
- Baumer, Clarence E., and J. Correy, Troy, Ohio. Safety appliance for railway-trains. No. 1,113,292; Oct. 13; Gaz. vol. 207; p. 349.
- Baumer, Clarence E., and J. Correy, Troy, Ohio. Track instrument. No. 1,114,436; Oct. 20; Gaz. vol. 207; p. 793.
- Baumgart, Otto E. (See Cathriner, Joseph, assignor.)
- Baumgarten & Co. (See Carroll, Arthur B., assignor.)
- Baumgartl, Leroy, assignor to Federal Cement Tile Company, Chicago, Ill. Building-slab. No. 1,089,371; Mar. 3; Gaz. vol. 200; p. 237.
- Baumgartner, Conrad, Schenectady, N. Y., assignor to General Electric Company. Means for corrugating sheet metal. No. 1,098,144; May 26; Gaz. vol. 202; p. 1147.
- Baumgartner, William, Mendocino City, Cal. Signal-sounder. No. 1,113,400; Oct. 13; Gaz. vol. 207; p. 388.
- Baumbauer, W. C., *et al.* (See Sandiford, Green W., assignor.)
- Baumbauer, William C., *et al.* (See Sandiford, Green W., assignor.)
- Baunach, Lawrence F., *et al.* (See Reilly, Michael J., assignor.)
- Bauroth, Leonhard. (See Brown and Bauroth.)
- Bauroth, Leonhard, Toledo, Ohio, assignor to The Metallic Barrel Company, Chicago, Ill. Sheet-metal barrel. No. 1,120,889; Dec. 15; Gaz. vol. 209; p. 776.
- Bausch & Lomb Optical Company. (See Pellow and Simpson.)
- Bausch & Lomb Optical Company. (See Patterson, William L., assignor.)
- Bausch & Lomb Optical Company. (See Saegmuller, George N., assignor.)
- Baush Machine Tool Company. (See Eden, James A., Jr., assignor.)
- Bausher, Solon D., Hamburg, Pa. Undergarment. No. 1,085,788; Feb. 3; Gaz. vol. 199; p. 75.
- Baute, Henry, Benton Harbor, Mich. Tamping attachment for cement-block-molding machines. No. 1,101,936; June 30; Gaz. vol. 203; p. 1431.
- Bayer, Elwood C., *et al.* (See Sawtelle, Charles C., assignor.)
- Bayer, François, Oullins, assignor to Société du Carburateur Zenith, Lyon, France. Carburetor for internal-combustion engines. No. 1,089,372; Mar. 3; Gaz. vol. 200; p. 237.
- Bayer, François, assignor to Société du Carburateur Zenith, Lyon, France. Carburetor. No. 1,099,277; June 9; Gaz. vol. 203; p. 353.
- Baxter, Berry A., assignor to New Method Stove Company, Mansfield, Ohio. Gas-range. No. 1,118,622; Nov. 24; Gaz. vol. 208; p. 1222.
- Baxter, John B., assignor to Covert Manufacturing Company, Watervliet, N. Y. Snap-hook. No. 1,092,238; Apr. 7; Gaz. vol. 201; p. 39.
- Baxter, John B., assignor to Covert Manufacturing Company, Watervliet, N. Y. Pivoted-tongue snap-hook. No. 1,109,390; Sept. 1; Gaz. vol. 206; p. 191.
- Baxter, John B., assignor to Covert Manufacturing Company, Watervliet, N. Y. Hame-fastener. No. 1,122,059; Dec. 22; Gaz. vol. 209; p. 1222.
- Baxter, Joseph, Moscow, Idaho. Trip mechanism for bundle-carriers. No. 1,095,070; Apr. 28; Gaz. vol. 201; p. 1141.
- Baxter, Paget, London, England. Vaporizer for petroleum or similar oils. No. 1,094,416; Apr. 28; Gaz. vol. 201; p. 910.
- Baxter, Willard W., *et al.* (See Ross and Horstman, assignors.)
- Bay State Cotton Corporation. (See Dearborn, George W., assignor.)
- Bay State Metal Wheel Company. (See Turner, Ora N., assignor.)
- Bayard, Amelia A., executrix. (See Bayard, Emery.)
- Bayard, Emery, deceased; A. A. Bayard, executrix, Rochester, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Manufacture of shoes. No. 1,100,469; June 16; Gaz. vol. 203; p. 802.
- Bayard, Emery, Rochester, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for scoring leather. No. 1,122,245; Dec. 29; Gaz. vol. 209; p. 1324.
- Bayard, Morris L. (See Buerger, Charles B., assignor.)
- Bayard, Robert A., Niagara Falls, N. Y. Electric furnace and operating the same. No. 1,107,478; Aug. 18; Gaz. vol. 205; p. 755.
- Bayer, Francis J., New York, N. Y., and A. J. Rosentrefer, Boonton, N. J., assignors, by mesne assignments, to Bayer-Gardner-Himes Company. Door closer and check. No. 1,113,184; Oct. 13; Gaz. vol. 207; p. 309.
- Bayer-Gardner-Himes Company. (See Bayer and Rosentrefer, assignors.)
- Bayer, Hugo, Vienna, Austria-Hungary. Apparatus for inhalation purposes. No. 1,120,673; Dec. 15; Gaz. vol. 209; p. 700.
- Bayer, Joseph, Jr., New York, N. Y., assignor, by mesne assignments, to Noesting Pin-Ticket Company, Inc. Fastening device. (Reissue.) No. 13,769; July 14; Gaz. vol. 204; p. 639.
- Bayer, Karl W., Chase, Kans. Straw-spreading attachment for manure-distributors. No. 1,109,896; Sept. 8; Gaz. vol. 206; p. 408.
- Bayer, Leo J., St. Louis, Mo. Boiler-cleaner. No. 1,115,485; Nov. 3; Gaz. vol. 208; p. 6.
- Bayer, Leo J., St. Louis, Mo. Soot boiler-cleaner. No. 1,115,486; Nov. 3; Gaz. vol. 208; p. 7.
- Bayer, Mathew F., assignor to The Simmons Manufacturing Company, Kenosha, Wis. Faucet-adaptor. No. 1,113,736; Oct. 13; Gaz. vol. 207; p. 505.
- Bayer, Peter S., *et al.* (See Parker, Emile V., assignor.)
- Bayer, William F., Buffalo, N. Y. Automatic musical instrument. No. 1,107,571; Aug. 18; Gaz. vol. 205; p. 787.
- Baylay, Willoughby L., Blackheath, assignor to J. Stone Company, Limited, Deptford, England. Apparatus for discharging ashes and other materials from ships. No. 1,100,705; June 23; Gaz. vol. 203; p. 935.
- Bayles, Lewis C. (See Taylor and Bayles.)
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Percussive tool. No. 1,089,038; Mar. 3; Gaz. vol. 200; p. 124.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Fluid-pressure-operated hand-tool. No. 1,091,112; Mar. 24; Gaz. vol. 200; p. 959.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid-operated percussive tool. No. 1,096,886; May 19; Gaz. vol. 202; p. 662.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid-operated percussive tool. No. 1,096,987; May 19; Gaz. vol. 202; p. 697.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Fluid-operated tool. No. 1,099,483; June 9; Gaz. vol. 203; p. 425.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Valve for compressors. No. 1,102,316; July 7; Gaz. vol. 204; p. 33.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valveless percussive tool. No. 1,102,317; July 7; Gaz. vol. 204; p. 33.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Fluid-operated tool. No. 1,117,307; Nov. 17; Gaz. vol. 208; p. 722.
- Bayles, Lewis C., Johannesburg, Transvaal, and A. H. Taylor, Easton, Pa., assignors to Ingersoll-Rand Company, New York, N. Y. Pressure-fluid tool. No. 1,114,335; Oct. 20; Gaz. vol. 207; p. 756.
- Bayley, Charles H., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Splitting or skiving machine. No. 1,100,470; June 16; Gaz. vol. 203; p. 802.
- Bayley, Emery S., Spokane, Wash., assignor of one-half to H. A. Denney and one-half to R. T. Laurence. Current-motor. No. 1,111,350; Sept. 22; Gaz. vol. 206; p. 1003.
- Bayley, Harry F., Milwaukee, Wis. Metal-frame and concrete sidewalk, &c. No. 1,103,472; July 14; Gaz. vol. 204; p. 480.
- Bayley, Harry M. (See Bayley, John L., assignor.)
- Bayley, John L., assignor of one-half to H. M. Bayley, Minneapolis, Minn. Laundry-tub stand. No. 1,087,347; Feb. 17; Gaz. vol. 199; p. 710.
- Bayley, William, Springfield, Ohio. Window-sash adjuster. No. 1,093,099; Apr. 14; Gaz. vol. 201; p. 369.
- Bayley, William, Springfield, Ohio. Swinging window-sash. No. 1,115,160; Oct. 27; Gaz. vol. 207; p. 1100.
- Baylies, Fred N. (See Schaefer, Frank M., assignor.)
- Bayliss, Thomas A., Warwick, and B. G. Clark, London, England. Alloy of aluminium and making. No. 1,117,308; Nov. 17; Gaz. vol. 208; p. 722.
- Bayly, Harry E., Indianapolis, Ind. Differentiating mechanism. No. 1,098,422; June 2; Gaz. vol. 203; p. 23.
- Bayly, Harry E., Indianapolis, Ind. Differential mechanism. No. 1,098,423; June 2; Gaz. vol. 203; p. 23.
- Baynes, Frederick A., Buffalo, N. Y. Oil-burner for lamps and stoves. No. 1,122,060; Dec. 22; Gaz. vol. 209; p. 1222.
- Bays, William W., Charlotte, N. C. Dish-washing machine. No. 1,097,702; May 26; Gaz. vol. 202; p. 991.
- Bayton, Albert, assignor to Reed Manufacturing Company, Erie, Pa. Forming headed rods. No. 1,106,860; Aug. 11; Gaz. vol. 205; p. 490.
- Bayuk, Meyer, Glenside, Pa. Display-cover and guard for boxes. No. 1,105,240; July 28; Gaz. vol. 204; p. 1184.
- Bayuk, Meyer, Glenside, Pa. Display-cabinet. No. 1,113,737; Oct. 13; Gaz. vol. 207; p. 505.
- Bazeley, Arthur J., assignor to The National Malleable Castings Company, Cleveland, Ohio. Uncoupling mechanism for cars. No. 1,090,591; Mar. 17; Gaz. vol. 200; p. 751.
- Bazeley, Arthur J., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,100,706; June 23; Gaz. vol. 203; p. 936.
- Bazin, Alphonse, Swampscott, Mass. Nut-lock. No. 1,088,515; Feb. 24; Gaz. vol. 199; p. 1159.

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- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Blade-holder. No. 1,115,048; Oct. 27; Gaz. vol. 207; p. 1060.
- Beach, Charles A., New York, N. Y. Sad-iron. No. 1,112,754; Oct. 6; Gaz. vol. 207; p. 122.
- Beach, Chester H., Racine, assignor to Wisconsin Electric Company, Racine Junction, Wis. Vacuum-cleaner. No. 1,093,820; Apr. 21; Gaz. vol. 201; p. 653.
- Beach, Chester H., Racine, assignor to Wisconsin Electric Company, Racine Junction, Wis. Casing for cleaning devices. No. 1,094,050; Apr. 21; Gaz. vol. 201; p. 730.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Signaling system. No. 1,084,059; Jan. 13; Gaz. vol. 198; p. 295.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Seal for containing-cases. No. 1,084,060; Jan. 13; Gaz. vol. 198; p. 295.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Multiple key. No. 1,093,100; Apr. 14; Gaz. vol. 201; p. 370.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Auxiliary alarm system. No. 1,093,679; Apr. 21; Gaz. vol. 201; p. 607.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Apparatus for testing storage-battery circuits. No. 1,099,909; June 16; Gaz. vol. 203; p. 608.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Signaling system and apparatus. No. 1,101,987; June 30; Gaz. vol. 203; p. 1431.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Clutch mechanism. No. 1,103,022; July 14; Gaz. vol. 204; p. 325.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Frangible covered guard. No. 1,106,072; Aug. 4; Gaz. vol. 205; p. 170.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Signaling system. No. 1,117,633; Nov. 17; Gaz. vol. 208; p. 835.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Battery-charging system. No. 1,118,099; Nov. 24; Gaz. vol. 208; p. 1038.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Signaling system. No. 1,120,995; Dec. 15; Gaz. vol. 209; p. 812.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Battery-charging system. No. 1,121,892; Dec. 22; Gaz. vol. 209; p. 1163.
- Beach, Clarence E., and H. W. Doughty, Binghamton, assignors to G. O. Knapp, New York, N. Y. Signaling system. No. 1,084,780; Jan. 20; Gaz. vol. 198; p. 566.
- Beach, Clarence E., and H. W. Doughty, Binghamton, assignors to G. O. Knapp, New York, N. Y. Testing system and mechanism for electrical circuits. No. 1,089,814; Mar. 10; Gaz. vol. 200; p. 438.
- Beach, Clarence E., and H. W. Doughty, Binghamton, assignors to G. O. Knapp, New York, N. Y. Switch-controlling system. No. 1,109,657; Sept. 8; Gaz. vol. 206; p. 322.
- Beach, Harry W., Evanston, Ill. Nut-lock. No. 1,105,606; Aug. 4; Gaz. vol. 205; p. 6.
- Beach, Henry L., Montrose, Pa. Transmission mechanism. No. 1,097,904; May 26; Gaz. vol. 202; p. 1065.
- Beach, Henry L., Montrose, Pa. Frictional transmission-gearing. No. 1,097,905; May 26; Gaz. vol. 202; p. 1065.
- Beach, Henry W. (See Beach, John C. and H. W.)
- Beach, Howard L., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,119,390; Dec. 1; Gaz. vol. 209; p. 170.
- Beach, John C. and H. W., San Francisco, Cal. Disappearing bed. No. 1,110,526; Sept. 15; Gaz. vol. 206; p. 673.
- Beach, Joseph H., *et al.* (See Tree, Eber B., assignor.)
- Beach, Oscar C., assignor to F. W. Braun, Los Angeles, Cal. Centrifugal extractor. No. 1,105,954; Aug. 4; Gaz. vol. 205; p. 129.
- Beach, Thaddeus C., St. Johns, Mich. Turn-table. No. 1,095,307; May 5; Gaz. vol. 202; p. 46.
- Beach, William, Calmar, Iowa. Gage-cock. No. 1,086,637; Feb. 10; Gaz. vol. 199; p. 415.
- Beacom, Thomas H., Elreno, Okla. Railway-tie. No. 1,086,013; Feb. 3; Gaz. vol. 199; p. 156.
- Beacon Falls Rubber Shoe Company, The. (See Crowley, John T., assignor.)
- Beacon Falls Rubber Shoe Company, The. (See Warner, Lewis C., assignor.)
- Beacon Miniature Electric Company. (See Benedict, Bernhard, assignor.)
- Beacroft, George F., and J. Lawson, Liverpool, England. Marine governor. No. 1,083,722; Jan. 6; Gaz. vol. 198; p. 154.
- Beadle, Elias R., and H. V. Etter, Norfolk, Va. Combined staple-setting and wire-stretching tool. No. 1,106,861; Aug. 11; Gaz. vol. 205; p. 490.
- Beadle, George W. (See Beatty, Wallace A., assignor.)
- Beadle, George W., Bayonne, N. J., assignor to Single Service Package Corporation of America, New York, N. Y. Paper-carton-making machine. No. 1,112,351; Sept. 29; Gaz. vol. 206; p. 1385.
- Beadles, Edward P., Danville, Va. Return-hoop toy. No. 1,116,786; Nov. 10; Gaz. vol. 208; p. 499.
- Beadman, Joseph B., Keighley, and H. J. Macklin, Ulverston, England. Axle-box and other bearings. No. 1,084,191; Jan. 13; Gaz. vol. 198; p. 341.
- Beaird, William F., assignor to M. J. Bowdish, C. A. White, and J. S. Whittington, Wichita, Kans. Prescription-file. No. 1,084,527; Jan. 13; Gaz. vol. 198; p. 448.
- Beal, Frank A., Haverhill, Mass. Turned shoe. No. 1,097,511; May 19; Gaz. vol. 202; p. 880.
- Beale, Carroll, *et al.* (See McFarland, Walter A., assignor.)
- Beale, Clifford A. (See Oesterle, Beale, and McFetridge.)
- Beale, William C. F., Detroit, Mich. Piano or organ bench. No. 1,115,161; Oct. 27; Gaz. vol. 207; p. 1101.
- Beall, Hiram A. (See O'Brien, Beall, Crook, and Borg.)
- Beall, Lon H., *et al.* (See Johnson, Clinton A., assignor.)
- Beall, William L., assignor to Gale Manufacturing Company, Albion, Mich. Planting-machine. No. 1,116,547; Nov. 10; Gaz. vol. 208; p. 412.
- Beals, Albert A., Clarence, Mo. Chain-reel. No. 1,112,968; Oct. 6; Gaz. vol. 207; p. 194.
- Beals, Frank H., Worcester, assignor to United States Sealing Company, Springfield, Mass. Sealing device for newspapers, &c. (Reissue.) No. 13,754; June 23; Gaz. vol. 203; p. 1217.
- Beals & Selkirk Trunk Company, The. (See Davis, Egbert H., assignor.)
- Beam, Charles W., assignor to H. C. Fry Glass Company, Rochester, Pa. Truing device for grinding-machines. No. 1,089,455; Mar. 10; Gaz. vol. 200; p. 314.
- Beam, Charles W., assignor to H. C. Fry Glass Company, Rochester, Pa. Polishing-machine. No. 1,089,456; Mar. 10; Gaz. vol. 200; p. 315.
- Beam, Charles W., assignor to H. C. Fry Glass Company, Rochester, Pa. Polishing-machine. (Reissue.) No. 13,706; Mar. 31; Gaz. vol. 200; p. 1348.
- Beam, Frank B., Anamosa, Iowa. Combined dish-drainer, steamer, roaster, or baking-pan. No. 1,103,169; July 14; Gaz. vol. 204; p. 378.
- Beam, Frank E., assignor to The Electric Welding Company, Toledo, Ohio. Electric welding-machine. No. 1,098,550; June 2; Gaz. vol. 203; p. 68.
- Beam, Frank E., assignor to The United Wire Tie Company, Toledo, Ohio. Bag-tying machine. No. 1,119,223; Dec. 1; Gaz. vol. 209; p. 112.
- Beam, Howard F., assignor of one-half to S. A. Beam, Harmony, Pa. Swab. No. 1,122,246; Dec. 29; Gaz. vol. 209; p. 1324.
- Beam, Ira V., assignor of one-half to N. D. Doney, Elmira, N. Y. Spark-plug with priming device. No. 1,098,214; May 26; Gaz. vol. 202; p. 1171.
- Beam, Samuel A. (See Beam, Howard F., assignor.)
- Beaman, Arthur W. (See Stockbridge, Radford, assignor.)
- Beaman, Fred, Houston Tex. Automobile running-gear. No. 1,095,183; May 5; Gaz. vol. 202; p. 3.
- Bean, Arthur E., assignor of one-half to T. C. Bowden, Greenville, Pa. Locomotive-tender coal-gate. No. 1,095,371; May 5; Gaz. vol. 202; p. 68.
- Bean, Charles E., assignor to Killifer Manufacturing Company, Los Angeles, Cal. Cultivator-tooth clamp. No. 1,113,293; Oct. 13; Gaz. vol. 207; p. 350.
- Bean, Emmett L., Erie, Pa. Jar cap and handle. No. 1,094,192; Apr. 21; Gaz. vol. 201; p. 778.
- Bean, Frank O., Somersworth, N. H. Vehicle safety signal-light. No. 1,120,589; Dec. 8; Gaz. vol. 209; p. 623.
- Bean, Roscoe, Berea, Ohio. Toy pistol. No. 1,098,215; May 26; Gaz. vol. 202; p. 1171.
- Bean Spray Pump Co. (See Carter, William D., assignor.)
- Beane, Joseph L., LeGrand, assignor of one-third to H. J. De Buhr, Aplington, and one-third to J. W. De Buhr, LeGrand, Iowa. Silage-handling apparatus. No. 1,113,738; Oct. 13; Gaz. vol. 207; p. 506.
- Beanfield, Rufus M., San Francisco, Cal. Apparatus for distributing concrete. No. 1,094,111; Apr. 21; Gaz. vol. 201; p. 750.
- Bear Automatic Gas Stove Co. (See Bear, Lewis H., assignor.)
- Bear, John W. (See Brown, Leonard L., assignor.)
- Bear, Lewis H., assignor to Bear Automatic Gas Stove Co., Los Angeles, Cal. Automatic gas-saving attachment for gas-stoves. No. 1,090,094; Mar. 10; Gaz. vol. 200; p. 535.
- Beard, Adelia B., Flushing, N. Y. Toy. No. 1,096,147; May 12; Gaz. vol. 202; p. 367.
- Beard, Eddie, Fisher county, Tex. Bridge-truss. No. 1,118,177; Nov. 24; Gaz. vol. 208; p. 1064.
- Beard, Edward A., Rockville, Md. Type-writing machine. No. 1,116,212; Nov. 3; Gaz. vol. 208; p. 254.
- Beard, Ferdinand W., Yountville, Cal. Bottle-opener. No. 1,106,862; Aug. 11; Gaz. vol. 205; p. 491.
- Beard, Herbert A., Beaufort, S. C. Apparatus for catching falling rain. No. 1,118,259; Nov. 24; Gaz. vol. 208; p. 1092.
- Beard, James, Two Rivers, Cal. Tractor-wheel. No. 1,106,182; Aug. 4; Gaz. vol. 205; p. 209.
- Beard, James W. (See Berg, Carl, assignor.)
- Beard, Paul M., assignor to American Car and Foundry Company, St. Louis, Mo. Hopper-car. No. 1,109,609; Sept. 1; Gaz. vol. 206; p. 263.

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- Beard, Paul M., assignor to American Car and Foundry Company, St. Louis, Mo. Draft and center sill connection. No. 1,109,610; Sept. 1; Gaz. vol. 206; p. 264.
- Beard, Paul M., assignor to American Car and Foundry Company, St. Louis, Mo. Draft-gear. No. 1,123,069; Dec. 29; Gaz. vol. 209; p. 1610.
- Beard, Paul M., assignor to American Car and Foundry Company, St. Louis, Mo. Uncoupling mechanism for cars. No. 1,123,165; Dec. 29; Gaz. vol. 209; p. 1645.
- Beard, Richard M., New York, N. Y. Secret telephone-exchange. No. 1,117,156; Nov. 17; Gaz. vol. 208; p. 665.
- Beardslee, Ancyl. (See Newman, Dillard M., assignor.)
- Beardslee, Robert W., New York, assignor of one-half to T. Porter, Brooklyn, N. Y. Safety apparatus for elevators. No. 1,119,001; Dec. 1; Gaz. vol. 209; p. 34.
- Beardsley, Boyd T., Detroit, Mich. Lock. No. 1,115,771; Nov. 3; Gaz. vol. 208; p. 103.
- Beardsley, Frank W., New York, N. Y. Sash-fastener. No. 1,116,213; Nov. 3; Gaz. vol. 208; p. 255.
- Beasley, Frank A., Garnett, Kans., assignor of one-half to W. A. Rollins, Kansas City, Mo. Device for heating charges for explosive-engines. No. 1,093,756; Apr. 21; Gaz. vol. 201; p. 632.
- Beasley, George N., West Tulsa, Okla. Washboiler attachment. No. 1,115,378; Oct. 27; Gaz. vol. 207; p. 1174.
- Beaston, George D., Philadelphia, Pa. Separator mechanism. No. 1,110,283; Sept. 8; Gaz. vol. 206; p. 548.
- Beatrice Creamery Company. (See Heller, Ernst B., assignor.)
- Beatrice Iron Works, The. (See Smethers, James A., assignor.)
- Beatty, Harry F., Muskegon, Mich., assignor to Brunswick-Balke-Collender Co. Shuffle-board table. No. 1,099,419; June 9; Gaz. vol. 203; p. 404.
- Beatty, Harry T., and A. Reese, assignors to The Massillon Wire Basket Co., Massillon, Ohio. Wire basket. No. 1,104,096; July 21; Gaz. vol. 204; p. 739.
- Beatty, R. J., trustee. (See Snyder, Parke T., assignor.)
- Beatty, Ross J. (See Snyder, Parke T., assignor.)
- Beatty, Wallace A., assignor to G. W. Beadle, New York, N. Y. Varnish. No. 1,113,926; Oct. 13; Gaz. vol. 207; p. 571.
- Beatty, Wallace A., assignor to G. W. Beadle, New York, N. Y. Manufacturing acetic anhydrid. No. 1,113,927; Oct. 13; Gaz. vol. 207; p. 571.
- Beatty, Walter H. (See Keagy, Tollinger, and Beatty.)
- Beauchamp, Henri, Montreal, Quebec, Canada. Hydrant cut-out valve. No. 1,096,592; May 12; Gaz. vol. 202; p. 518.
- Beauchemin, Richard P., Jefferson, S. D. Vehicle wheel attachment. No. 1,118,914; Dec. 1; Gaz. vol. 209; p. 3.
- Beauchesne, Joseph O., Fall River, Mass. Lamp-cleaner. No. 1,097,906; May 26; Gaz. vol. 202; p. 1066.
- Beaucoudray, Anatole. (See Biery and Beaucoudray.)
- Beaudette, Edward A., Portland, Ore. Well-casing perforator. No. 1,121,321; Dec. 15; Gaz. vol. 209; p. 927.
- Beaudin, George J., Flat River, Mo. Rock-drill. No. 1,106,537; Aug. 11; Gaz. vol. 205; p. 376.
- Beaudry, Zotique, Lynn, Mass., assignor to United-Xpedite Finishing Company, Berwick, Me. Machine for burnishing the edges of the heels and soles of boots and shoes. No. 1,092,469; Apr. 7; Gaz. vol. 201; p. 120.
- Beaudry, Zotique, assignor to Hamel Shoe Machinery Co. Inc., Lynn, Mass. Machine for setting, burnishing, and brushing the edges of the soles of boots and shoes. No. 1,113,089; Oct. 6; Gaz. vol. 207; p. 233.
- Beaumont, Charles A., Canaan, Conn. Barb-wire-reel support. No. 1,119,566; Dec. 1; Gaz. vol. 209; p. 231.
- Beaumont, Ernest C., Revere, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Pull-on device for boots or shoes. No. 1,095,954; May 5; Gaz. vol. 202; p. 264.
- Beaumont, Joseph, and F. G. White, Chicago, Ill. Electric block-signal apparatus. No. 1,093,596; Apr. 21; Gaz. vol. 201; p. 576.
- Beaumont, Joseph, and F. G. White, Chicago, Ill. Electric block-signal apparatus. No. 1,093,597; Apr. 21; Gaz. vol. 201; p. 577.
- Beausejour, Reme A., assignor to Standard Varnish Works, New York, N. Y. Article-holder for liquid-coating devices. No. 1,106,915; Aug. 11; Gaz. vol. 205; p. 509.
- Beausejour, Reme A., assignor to Standard Varnish Works, New York, N. Y. Article-holder for liquid-coating machines. No. 1,109,314; Sept. 1; Gaz. vol. 206; p. 162.
- Beausejour, Reme A., New York, assignor to Standard Varnish Works, Elm Park, Port Richmond, N. Y. Safety stop mechanism. No. 1,117,545; Nov. 17; Gaz. vol. 208; p. 804.
- Beauvais, John B., Holyoke, assignor to The Beauvais Water Heater Company, Springfield, Mass. Water-heating apparatus. No. 1,098,082; May 26; Gaz. vol. 202; p. 1127.
- Beauvais Water Heater Company, The. (See Beauvais, John B., assignor.)
- Beaver, Benjamin F., Hutchinson, Kans. Flying-machine. No. 1,117,155; Nov. 17; Gaz. vol. 208; p. 665.
- Beaver Company, The. (See Thickens, John H., assignor.)
- Beaver, John S., Entriiken, Pa. Water-power mechanism. No. 1,084,308; Jan. 13; Gaz. vol. 198; p. 379.
- Beavers, William E. (See Bodkin, Jesse T., assignor.)
- Beazley, Joseph O., Baltimore, Md. Dustless polishing-mop. No. 1,112,190; Sept. 29; Gaz. vol. 206; p. 1329.
- Bebie, Heinrich, Altona-Bahrenfeld, and H. Koch., Altona-Ottensen, Germany. Milling-cutter for woodwork. No. 1,100,667; June 16; Gaz. vol. 203; p. 866.
- Bebout, Guy B., Wheeling, W. Va. Collapsible wicket for dams. No. 1,120,787; Dec. 15; Gaz. vol. 209; p. 740.
- Becher, Friedrich, Landsberg-on-the-Warthe, Germany. Piston-valve. No. 1,089,357; Mar. 3; Gaz. vol. 200; p. 233.
- Becher, James A., Chicago, Ill. Die-head. No. 1,102,712; July 7; Gaz. vol. 204; p. 171.
- Becherer, Terese, Paris, France. Sweetmeat-shell. No. 1,085,658; Feb. 3; Gaz. vol. 199; p. 27.
- Bechler, Edward W., Newark, assignor of one-third to himself, one-third to C. H. Rivers, and one-third to H. Hopkinson, Elizabeth, N. J. Holding means for strands and the like. No. 1,113,401; Oct. 13; Gaz. vol. 207; p. 388.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Rotary printing-press. No. 1,090,013; Mar. 10; Gaz. vol. 200; p. 507.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Associating, cutting, and folding apparatus. No. 1,102,637; July 7; Gaz. vol. 204; p. 146.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Printing-press. No. 1,121,159; Dec. 15; Gaz. vol. 209; p. 873.
- Bechstein, Walter, assignor to Franz Schmidt & Haensch, Berlin, Germany. Illuminating apparatus for photographic cameras. No. 1,097,211; May 19; Gaz. vol. 202; p. 777.
- Bechtel, Henry S., Philadelphia, Pa. Can-soldering machine. No. 1,104,767; July 28; Gaz. vol. 204; p. 1020.
- Bechtel, John A., Tarentum, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Grinding apparatus. No. 1,089,894; Mar. 10; Gaz. vol. 200; p. 466.
- Bechtel, John A., Tarentum, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Applying abrading material to grinding mechanism. No. 1,089,895; Mar. 10; Gaz. vol. 200; p. 467.
- Bechtel, John A., Tarentum, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Pot-filling apparatus. No. 1,111,557; Sept. 22; Gaz. vol. 206; p. 1074.
- Bechtel, John A., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Glass-material-handling apparatus. No. 1,111,558; Sept. 22; Gaz. vol. 206; p. 1074.
- Bechtel, Milton W., assignor to The American Folding Machine Co., Warren, Ohio. Folding-machine blade. No. 1,101,612; June 30; Gaz. vol. 203; p. 1301.
- Bechtel, Milton W., assignor to The Borden Company, Warren, Ohio. Pipe-threading tool. No. 1,119,338; Dec. 1; Gaz. vol. 209; p. 150.
- Bechtold, Edmund E., Chicago, Ill. Canopy-insulator. No. 1,111,820; Sept. 29; Gaz. vol. 206; p. 1204.
- Bechtold, Reuben E., and H. J. Grosvenor, assignors to S. F. Bowser & Co., Inc., Fort Wayne, Ind. Dispensing apparatus. No. 1,108,673; Aug. 25; Gaz. vol. 205; p. 1218.
- Beck, Anthony. (See Griesche and Beck.)
- Beck, August B., Cranford, N. J., assignor to M. W. Schloss, New York, N. Y. Garter-fastener. No. 1,094,112; Apr. 21; Gaz. vol. 201; p. 751.
- Beck, Charles L., assignor of one-third to V. I. Walker, Rebersburg, and one-third to G. H. Smull, Smulton, Pa. Window-shade bracket. No. 1,122,061; Dec. 22; Gaz. vol. 209; p. 1223.
- Beck, Charles W., Rockville Center, N. Y., assignor, by mesne assignments, to Michigan Motor Specialties Company, Detroit, Mich. Spark-plug. No. 1,084,838; Jan. 20; Gaz. vol. 198; p. 585.
- Beck, Charles W., Rockville Center, N. Y., assignor, by mesne assignments, to Michigan Motor Specialties Company, Detroit, Mich. Spark-plug. No. 1,093,598; Apr. 21; Gaz. vol. 201; p. 577.
- Beck, Charles W., Rockville Center, N. Y., assignor, by mesne assignments, to Michigan Motor Specialties Company, Detroit, Mich. Terminal connector for spark-plugs. No. 1,108,674; Aug. 25; Gaz. vol. 205; p. 1219.
- Beck, Charles W., Rockville Center, N. Y., assignor, by mesne assignments, to Michigan Motor Specialties Company, Detroit, Mich. Terminal connector. No. 1,114,719; Oct. 27; Gaz. vol. 207; p. 942.
- Beck, George T. (See Smillie, Thomas W., assignor.)
- Beck, Harold M. (See Ambruster and Beck.)
- Beck, Heinrich, Meiningen, Germany. Electric-arc lamp for search-lights, projectors, and the like. No. 1,086,311; Feb. 3; Gaz. vol. 199; p. 254.
- Beck, Henry J., St. Johnsbury, Vt. Stone-dressing machine. No. 1,089,104; Mar. 3; Gaz. vol. 200; p. 147.
- Beck, James A., assignor of one-third to D. Flinn, Stewartsville, Mo. Irrigation coil-wheel. No. 1,108,675; Aug. 25; Gaz. vol. 205; p. 1219.
- Beck, John C. (See Doddridge and Beck.)

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- Beck, John L., assignor to The Sterling Valve Company, Springfield, Mass. Flushing-valve. No. 1,098,009; May 26; Gaz. vol. 202; p. 1101.
- Beck, Joseph, Two Harbors, Minn. Furnace-grate. No. 1,090,014; Mar. 10; Gaz. vol. 200; p. 508.
- Beck, Joseph E., Sunnyvale, Cal. Plastic composition. No. 1,098,216; May 26; Gaz. vol. 202; p. 1172.
- Beck, Joseph H., and G. Bedford, New York, N. Y. Player-piano. No. 1,083,268; Jan. 6; Gaz. vol. 198; p. 3.
- Beck, Joseph W., College Hill, assignor of forty-nine one-hundredths to J. G. Fisk, Cincinnati, Ohio. Armor for tires. No. 1,121,322; Dec. 15; Gaz. vol. 209; p. 927.
- Beck, Joseph W., J. W. Reid, and R. W. Skinner, El Rito, N. Mex. Machine for making railway-ties. No. 1,093,680; Apr. 21; Gaz. vol. 201; p. 607.
- Beck, Marshall, assignor to The Borg & Beck Company, Moline, Ill. Friction-clutch. No. 1,100,048; June 16; Gaz. vol. 203; p. 655.
- Beck, Paul, Munich, Germany. Base-line telemeter. No. 1,103,023; July 14; Gaz. vol. 204; p. 326.
- Beck, Roden L., Independence, Kans. Acetylene-gas generator. No. 1,085,008; Jan. 20; Gaz. vol. 198; p. 641.
- Beck, Roden L., Independence, Kans. Acetylene-gas generator. No. 1,101,237; June 23; Gaz. vol. 203; p. 1121.
- Beck, William O., Ridgefield, N. J., assignor to Western Electric Company, New York, N. Y. Telephone coin-register. No. 1,103,650; July 14; Gaz. vol. 204; p. 546.
- Beck, William O., Ridgefield, N. J., assignor to Western Electric Company, New York, N. Y. Coin-receptacle. No. 1,121,063; Dec. 15; Gaz. vol. 209; p. 837.
- Becken, Albert C., Chicago, Ill. Bracelet-holder for watches. No. 1,093,757; Apr. 21; Gaz. vol. 201; p. 632.
- Becken, Albert C., Chicago, Ill. Bracelet watch-holder. No. 1,093,758; Apr. 21; Gaz. vol. 201; p. 632.
- Becken, Albert C., Chicago, Ill. Bracelet watch-holder. No. 1,093,759; Apr. 21; Gaz. vol. 201; p. 632.
- Becker, Amalie M., *et al.*, executors. (See Hoffmann, Ernst G.)
- Becker, Benjamin H., and J. Ciesla, assignors to James S. Kirk & Co., Chicago, Ill. Soap-press. No. 1,085,236; Jan. 27; Gaz. vol. 198; p. 757.
- Becker, Benjamin H., and J. Ciesla, assignors to James S. Kirk & Company, Chicago, Ill. Soap-press. No. 1,110,610; Sept. 15; Gaz. vol. 206; p. 703.
- Becker, Bernhardt A., St. Louis, Mo. Non-capsizable boat. No. 1,092,628; Apr. 7; Gaz. vol. 201; p. 175.
- Becker, Charles A. (See Rolle, Karl, assignor.)
- Becker, Charles A., Newark, N. J. Soldering chain. No. 1,113,947; Oct. 20; Gaz. vol. 207; p. 618.
- Becker, Emilius C. F., Laurens, S. C. Wagon. No. 1,106,358; Aug. 11; Gaz. vol. 205; p. 311.
- Becker, Ernst, and F. Dinslage, Charlottenburg, assignors to Siemens & Halske, A. G., Berlin, Germany. Internal-combustion engine comprising rotating cylinders. No. 1,084,192; Jan. 13; Gaz. vol. 198; p. 341.
- Becker, Frank, McKeesport, Pa. Faucet. No. 1,121,456; Dec. 15; Gaz. vol. 209; p. 973.
- Becker, Frank J., Hamilton, Ohio. Molding-flask. No. 1,096,668; May 12; Gaz. vol. 202; p. 543.
- Becker, Frank J., Hamilton, Ohio. Molding-flask. No. 1,100,943; June 23; Gaz. vol. 203; p. 1020.
- Becker, Frank J., Hamilton, Ohio. Means for movably supporting patterns. No. 1,113,739; Oct. 13; Gaz. vol. 207; p. 506.
- Becker, Frank J., Independence, Mo. Door-support. No. 1,102,855; July 7; Gaz. vol. 204; p. 221.
- Becker, Friederich W., New Athens, Ill. Fastening means for doors and the like. No. 1,118,260; Nov. 24; Gaz. vol. 208; p. 1092.
- Becker, Gustav, Chicago, Ill. Shipping-crate. No. 1,089,896; Mar. 10; Gaz. vol. 200; p. 467.
- Becker, Harry, Hull, Mass. Non-refillable bottle. No. 1,116,972; Nov. 10; Gaz. vol. 208; p. 563.
- Becker, Heinrich, Duisburg-Meiderich, Germany. Automatic dispenser for solids. No. 1,098,083; May 26; Gaz. vol. 202; p. 1127.
- Becker, Hugo. (See Will and Becker.)
- Becker, Hugo A., Milwaukee, Wis. Shock-absorbing wheel. No. 1,091,622; Mar. 31; Gaz. vol. 200; p. 1174.
- Becker, Jacob F., assignor of one-half to H. C. Hansen, Muskegon, Mich. Adjustable light-shield for automobiles. No. 1,106,485; Aug. 11; Gaz. vol. 205; p. 357.
- Becker, John, Hyde Park, Mass. Variable-speed mechanism. No. 1,115,487; Nov. 3; Gaz. vol. 208; p. 7.
- Becker, Joseph, Montclair, N. J. Curtain-fixture. No. 1,091,876; Mar. 31; Gaz. vol. 200; p. 1264.
- Becker, Joseph, Washington, D. C. Spherometer. No. 1,093,307; Apr. 14; Gaz. vol. 201; p. 443.
- Becker, Joseph, Washington, D. C. Photographic camera. No. 1,103,342; July 14; Gaz. vol. 204; p. 437.
- Becker, Joseph, Washington, D. C. Adjusting and regulating automatically-focused enlarging or copying cameras. No. 1,103,343; July 14; Gaz. vol. 204; p. 437.
- Becker, Julius H., assignor to American Heat & Power Co., San Francisco, Cal. Atomizer for oil-burners. No. 1,095,447; May 5; Gaz. vol. 202; p. 93.
- Becker, Julius H., assignor to American Heat & Power Co., San Francisco, Cal. Centrifugal burner. No. 1,101,779; June 30; Gaz. vol. 203; p. 1357.
- Becker, Julius H., assignor to American Heat & Power Co., San Francisco, Cal. Automatic cut-off mechanism for oil-burners. No. 1,107,748; Aug. 18; Gaz. vol. 205; p. 851.
- Becker, Julius H., assignor to American Heat & Power Co., San Francisco, Cal. Adjustable support for burner-plates. No. 1,114,848; Oct. 27; Gaz. vol. 207; p. 989.
- Becker, Louis H., Seymour, Ind. Fireless hover. No. 1,106,768; Aug. 11; Gaz. vol. 205; p. 457.
- Becker, Maschinenfabrik, E. (See Hoffman, Alexander, assignor.)
- Becker, Morris, assignor to Garment Pressing Machine Co., Chicago, Ill. Feeding attachment for boilers. No. 1,119,391; Dec. 1; Gaz. vol. 209; p. 171.
- Becker, Oliver E., Chicago, Ill. Laminated brush for electrical machines and making the same. No. 1,117,965; Nov. 24; Gaz. vol. 208; p. 991.
- Becker, Otto F., New York, N. Y. Atomizer. No. 1,098,876; June 2; Gaz. vol. 203; p. 176.
- Becker, Paul, assignor to M. M. Koch, Cleveland, Ohio. Damper-operating means. No. 1,084,725; Jan. 20; Gaz. vol. 198; p. 547.
- Becker, Paul, assignor to M. M. Koch, Cleveland, Ohio. Stove lid or cover. No. 1,104,163; July 21; Gaz. vol. 204; p. 761.
- Becker, Paul E., assignor to The Connecticut Tool Company, Bridgeport, Conn. Adjustable-thread cutting tool. No. 1,114,720; Oct. 27; Gaz. vol. 207; p. 942.
- Becker, Philip A., New York, N. Y. Adjustable display-lid. No. 1,094,193; Apr. 21; Gaz. vol. 201; p. 778.
- Becker, Philip A., New York, N. Y. Removable display-lid. No. 1,107,643; Aug. 18; Gaz. vol. 205; p. 813.
- Becker, Reinhold, Crefeld, Germany. High-speed tool-steel. No. 1,096,669; May 12; Gaz. vol. 202; p. 544.
- Becker, Reinhold, Crefeld, Germany. High-speed tool-steel. No. 1,099,531; June 9; Gaz. vol. 203; p. 442.
- Becker, Reinhold, Crefeld, Germany. High-speed tool-steel. No. 1,099,532; June 9; Gaz. vol. 203; p. 442.
- Becker, Richard M., New York, assignor to J. T. Underwood, Brooklyn, N. Y. Combined type-writing and computing machine. No. 1,104,468; July 21; Gaz. vol. 204; p. 866.
- Becker, Rudolph D., New York, and F. Nemarnich, Astoria, N. Y. Elliptic compasses. No. 1,115,772; Nov. 3; Gaz. vol. 208; p. 103.
- Becker, Walter W. (See Smith and Becker.)
- Beckers, William, New York, N. Y. Crayon. No. 1,094,360; Apr. 21; Gaz. vol. 201; p. 830.
- Beckham, Linwood, Apache, Okla. Combined tire and felly. No. 1,110,527; Sept. 15; Gaz. vol. 206; p. 674.
- Beckman, Frank E., Haverhill, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-sewing machine. No. 1,101,238; June 23; Gaz. vol. 203; p. 1121.
- Beckman, Gustaf S., Providence, R. I. Propelling mechanism for boats. No. 1,098,467; June 2; Gaz. vol. 203; p. 39.
- Beckman, Jacob H., Seattle, Wash. Pasteurizing apparatus. No. 1,098,551; June 2; Gaz. vol. 203; p. 69.
- Beckman, John W., Niagara Falls, N. Y. Producing soluble phosphates. No. 1,121,160; Dec. 15; Gaz. vol. 209; p. 873.
- Beckmann, Bruno, Berlin, Germany. Manufacturing the carbamic-acid ester of dichlorhydrin. No. 1,108,676; Aug. 25; Gaz. vol. 205; p. 1219.
- Beckner, Noah J. (See Miller and Beckner.)
- Beckwith, Daniel P., assignor to The Pope Manufacturing Company, Hartford, Conn. Plug-gage. No. 1,090,901; Mar. 24; Gaz. vol. 200; p. 885.
- Beckwith, Dean P., Elmira Heights, N. Y. Sanitary drinking-fountain. No. 1,113,294; Oct. 13; Gaz. vol. 207; p. 350.
- Beckwith, Edward P., Garrison, N. Y. Electric incandescent lamp. No. 1,115,488; Nov. 3; Gaz. vol. 208; p. 8.
- Beckwith, Edward P., Garrison, N. Y. Electric incandescent lamp. No. 1,122,563; Dec. 29; Gaz. vol. 209; p. 1431.
- Beckwith, Harris T., and W. Phillips, Belpre, Kans. Straw-spreader. No. 1,096,011; May 12; Gaz. vol. 202; p. 321.
- Beckwith, John W., assignor of one-half to H. A. & L. D. Holland Company, Spokane, Wash. Electrical valve. No. 1,090,902; Mar. 24; Gaz. vol. 200; p. 885.
- Beckwith, Walter C., assignor to C. C. German, Fostoria, Ohio. Railway signal-fusee. No. 1,087,348; Feb. 17; Gaz. vol. 199; p. 711.
- Beckx, Peter J., *et al.* (See Jürgens, August, assignor.)
- Bédard, Pierre E. (See Bédard, Théophile E. and P. E.)
- Bédard, Théophile E. and P. E., assignors of fifty-five one-hundredths to J. A. H. Hébert, Montreal, Quebec, Canada. Locking device. No. 1,117,157; Nov. 17; Gaz. vol. 208; p. 666.
- Bedell, Isaac E. (See Bedell, James H. and I. E.)
- Bedell, James H. and I. E., Stamford, Conn. Sectional cushion-tire. No. 1,089,897; Mar. 10; Gaz. vol. 200; p. 468.
- Bedell, Richard M., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,098,424; June 2; Gaz. vol. 203; p. 24.
- Bedford, George. (See Beck and Bedford.)

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- Bedrossian, Archie, *et al.* (See Cecchini, Robert, assignor.)
- Beebe, Alice M. (See Cullen, Ernest E., assignor.)
- Beebe, Eugene W., Milwaukee, Wis. Binocular-magnifier. No. 1,086,802; Feb. 10; Gaz. vol. 199; p. 473.
- Beebe, Nathan S., Kansas City, Mo. Piston-cooling device. No. 1,090,774; Mar. 17; Gaz. vol. 200; p. 809.
- Beebe, Norman H., Wichita, Kans., and G. W. Duvall, assignors to Lee Broom & Duster Co., Davenport, Iowa. Broom-banding machine. No. 1,103,861; July 14; Gaz. vol. 204; p. 617.
- Beebe, Norman H., and H. E. Smith, Wichita, Kans., assignors, by mesne assignments, to Patent Broom Machinery Company, Scott county, Iowa. Broom. No. 1,113,740; Oct. 13; Gaz. vol. 207; p. 507.
- Beebe, Royden E., U. S. Army. Surveying instrument. No. 1,086,124; Feb. 3; Gaz. vol. 199; p. 195.
- Beebe, Watson, assignor to Metallic Novelty Works, Detroit, Mich. Fly-trap. No. 1,093,599; Apr. 21; Gaz. vol. 201; p. 578.
- Beebe, William W., assignor of forty-nine one-hundredths to W. A. Young, Los Angeles, Cal. Post-mold. No. 1,087,481; Feb. 17; Gaz. vol. 199; p. 759.
- Beech Nut Packing Company. (See Forté, Harry P., assignor.)
- Beech-Nut Packing Company *et al.* (See Honiss, William H., assignor.)
- Beech-Nut Packing Company *et al.* (See Merritt and Honiss, assignors.)
- Beecher, Edward, Thompson, N. Y. Pulp-feed regulator. No. 1,088,679; Mar. 3; Gaz. vol. 200; p. 3.
- Beecher, Herbert P., Aurora, Ill. Sectional highway construction. No. 1,092,558; Apr. 7; Gaz. vol. 201; p. 150.
- Beecher, John, Newark, N. J., assignor to The Central Stamping Co., New York, N. Y. Dust-pan. No. 1,084,127; Jan. 13; Gaz. vol. 198; p. 319.
- Beecher, Julius M., Jr., Belleville, Kans. Cravat-holder. No. 1,087,864; Feb. 17; Gaz. vol. 199; p. 890.
- Beecher, Titus A., Taft, Cal. Locating the place and character of a liquid coming from strata in a well. No. 1,090,673; Mar. 17; Gaz. vol. 200; p. 778.
- Beecher, Titus A., Taft, Cal. Locating the place of a liquid stratum in a well. No. 1,090,674; Mar. 17; Gaz. vol. 200; p. 778.
- Beecher, Titus A., Taft, Cal. Attachment for rotary well-bits. No. 1,118,726; Nov. 24; Gaz. vol. 208; p. 1257.
- Beecher, William H., Philadelphia, Pa. Envelop. No. 1,091,274; Mar. 24; Gaz. vol. 200; p. 1014.
- Beechie, Simon A., San Marcos, Tex. Tray-holding attachment for bedsteads. No. 1,115,273; Oct. 27; Gaz. vol. 207; p. 1139.
- Beechlyn, John T., Lynn, Mass., assignor to General Electric Company, Clutch. No. 1,097,161; May 19; Gaz. vol. 202; p. 760.
- Beede, Herbert G., Pawtucket, R. I. Tension-pulley. No. 1,086,699; Feb. 10; Gaz. vol. 199; p. 436.
- Beegle, James H., *et al.* (See Petty, Harry E., assignor.)
- Beehler, James F., St. Louis, Mo. Box lock or fastener. No. 1,094,772; Apr. 28; Gaz. vol. 201; p. 1039.
- Beehler, James F., St. Louis, Mo. Box lock or fastener. No. 1,094,773; Apr. 28; Gaz. vol. 201; p. 1039.
- Beehler, William H., Baltimore, Md. Notch and tip construction for umbrellas and parasols. No. 1,096,216; May 12; Gaz. vol. 202; p. 390.
- Beehler, William H., assignor to William Beehler, Inc., Baltimore, Md. Foldable umbrella. No. 1,094,633; Apr. 28; Gaz. vol. 201; p. 988.
- Beeks, Alice A., Ochevedan, Iowa. Brush. No. 1,118,838; Nov. 24; Gaz. vol. 208; p. 1294.
- Beeler, Samuel E., assignor to Frick Company, Waynesboro, Pa. Steam-engine reverse. No. 1,123,070; Dec. 29; Gaz. vol. 209; p. 1610.
- Beelman, David H., St. Louis, Mo. Vending-machine. No. 1,122,186; Dec. 22; Gaz. vol. 209; p. 1263.
- Beem, Carleton E., assignor of one-third to F. A. Bishop and two-thirds to G. Hancock, Atlanta, Ga. Eraser attachment for type-writers. No. 1,112,591; Oct. 6; Gaz. vol. 207; p. 65.
- Beeman, Marcus M., assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,095,262; May 5; Gaz. vol. 202; p. 30.
- Beeman, Marcus M., assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,098,468; June 2; Gaz. vol. 203; p. 39.
- Beeman, Marcus M., assignor to The Spirella Company, Meadville, Pa. Corset-stay. No. 1,098,933; June 2; Gaz. vol. 203; p. 196.
- Beeman, Wilbern S., Bates City, Mo. Safety rail-coupling device. No. 1,100,862; June 23; Gaz. vol. 203; p. 990.
- Beemer, Clarence D. (See Hart and Wallace, assignors.)
- Beemer, Elias A. W., Hamilton, Ontario, Canada. Monkey-wrench. No. 1,113,948; Oct. 20; Gaz. vol. 207; p. 618.
- Beeneck, Joseph, Nanticoke, Pa. Miner's blasting-box. No. 1,114,096; Oct. 20; Gaz. vol. 207; p. 671.
- Beeney, Ernest W. (See Beeney, Maurice J. and E. W.)
- Beeney, Maurice J. and E. W., Newark, assignors to H. F. Wendell, Lepsic, Ohio. Clothes-washer. No. 1,093,101; Apr. 14; Gaz. vol. 201; p. 370.
- Beer, Jacob H. (See Krabill, Christian, assignor.)
- Beer, Levi W., East Mansfield, Ohio. Land-roller. No. 1,103,929; July 21; Gaz. vol. 204; p. 682.
- Beer, Max, Rensselaer, N. Y. Shears-handle. No. 1,089,183; Mar. 3; Gaz. vol. 200; p. 177.
- Beer, Paul, Schöneberg, near Berlin, Germany. Vulcanizer-press. No. 1,122,465; Dec. 29; Gaz. vol. 209; p. 1396.
- Beer, Sampson, Greenwood, Cal. Amalgamator. No. 1,095,071; Apr. 28; Gaz. vol. 201; p. 1141.
- Beere, Wynford O. (See Raymond, Beere, and Rough.)
- Beers, Bradford E., Vancouver, British Columbia, Canada. Lock. No. 1,087,865; Feb. 17; Gaz. vol. 199; p. 890.
- Beers, Charles H., Asbury Park, N. J. Non-refillable bottle. No. 1,097,745; May 26; Gaz. vol. 202; p. 1007.
- Beers, Elbert H., assignor of one-half to C. S. Weierman, Philadelphia, Pa. Stocking. No. 1,116,214; Nov. 3; Gaz. vol. 208; p. 255.
- Beery, Samuel M., Indianapolis, Ind. Sectional wheel-rim. No. 1,090,513; Mar. 17; Gaz. vol. 200; p. 724.
- Beery, Samuel M., Indianapolis, Ind. Resilient tire-filling. No. 1,106,769; Aug. 11; Gaz. vol. 205; p. 458.
- Bees, William H., assignor of one-half to A. Straka, Chicago, Ill. Apparatus for delivering liquid under pressure. No. 1,084,061; Jan. 13; Gaz. vol. 198; p. 296.
- Beeson, George W., Eagle Pass, Tex. Marine propulsion. No. 1,090,830; Mar. 24; Gaz. vol. 200; p. 861.
- Beeson, Jasper L., Milledgeville, Ga. Hinged seat for vehicles. No. 1,097,512; May 19; Gaz. vol. 202; p. 880.
- Beetar, Kalil, New York, N. Y. Finger-ring. No. 1,099,733; June 9; Gaz. vol. 203; p. 511.
- Begg, Alexander L. W., New York, N. Y. Railway system. No. 1,102,231; July 7; Gaz. vol. 204; p. 4.
- Begin, Adolphus A., Sidney, Ohio. Lock-nut. No. 1,087,867; Feb. 17; Gaz. vol. 199; p. 891.
- Behney, Charles C. (See Glenn and Behney.)
- Behnke, Albert R., assignor of one-half to W. C. J. Timmerman, St. Paul, Minn. Demountable rim. No. 1,093,375; Apr. 14; Gaz. vol. 201; p. 465.
- Behnken, John H., Somerset Center, Mich. Toy bank. No. 1,113,295; Oct. 13; Gaz. vol. 207; p. 350.
- Behr, Bernhard, Dresden, Germany. Adding-machine provided with chain drive. No. 1,096,012; May 12; Gaz. vol. 202; p. 322.
- Behr, Bernhard, Dresden, Germany. Signaling device for calculating-machines. No. 1,105,396; July 28; Gaz. vol. 204; p. 1241.
- Behr, Claus F. G., New York, N. Y. Folding carriage and invalid-chair. No. 1,102,565; July 7; Gaz. vol. 204; p. 121.
- Behrend, Bernard A., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Coil-support. No. 1,122,187; Dec. 22; Gaz. vol. 209; p. 1263.
- Behrend, Martin F., Plymouth, Wis. Elevator. No. 1,088,395; Feb. 24; Gaz. vol. 199; p. 1120.
- Behrends, John A. (See Tyler, Behrends, and Parks.)
- Behrens, Johan H., Camden, N. J. Pneumatic jack. No. 1,119,224; Dec. 1; Gaz. vol. 209; p. 113.
- Behringer, Emil, Brooklyn, N. Y. Fluid-tight closure. No. 1,120,121; Dec. 8; Gaz. vol. 209; p. 456.
- Behringer, Erhardt. (See Reis and Behringer.)
- Behrle, Franz J., Pittsburgh, Pa. Shade-fixture. No. 1,084,781; Jan. 20; Gaz. vol. 198; p. 566.
- Behrns, Edmund, Buffalo Lake, Minn. Stacker. No. 1,103,733; July 14; Gaz. vol. 204; p. 574.
- Beidler, George C., Rochester, N. Y. Flying-machine. No. 1,099,146; June 2; Gaz. vol. 203; p. 264.
- Beidler, George C., Rochester, N. Y. Photographing and developing apparatus. No. 1,114,672; Oct. 20; Gaz. vol. 207; p. 873.
- Beidler, George C., Newton, Kans. Fountain-pen holder. No. 1,107,644; Aug. 18; Gaz. vol. 205; p. 814.
- Beier, Frank J. (See McGill and Beier.)
- Beier, Frank J., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Folding go-cart. No. 1,094,417; Apr. 28; Gaz. vol. 201; p. 910.
- Beier, Frank J., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Folding go-cart. No. 1,094,418; Apr. 28; Gaz. vol. 201; p. 911.
- Beier, Frank J., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Folding go-cart. No. 1,094,419; Apr. 28; Gaz. vol. 201; p. 912.
- Beier, George J., Chicago, Ill. Piano-action flange. No. 1,120,890; Dec. 15; Gaz. vol. 209; p. 776.
- Beil, John P., King county, Wash. Railway-crossing signal. No. 1,101,239; June 23; Gaz. vol. 203; p. 1121.
- Bein, Peter M., assignor to Belden Manufacturing Company, Chicago, Ill. Telephone attachment. No. 1,121,604; Dec. 22; Gaz. vol. 209; p. 1060.
- Beistle Company, The. (See Beistle, Martin L., assignor.)
- Beistle, Martin L., assignor to The Beistle Company, Inc., Shippensburg, Pa. Artificial wreath. No. 1,093,243; Apr. 14; Gaz. vol. 201; p. 419.
- Bek, Ernst G., Pforzheim, Germany. Chain. No. 1,104,606; July 21; Gaz. vol. 204; p. 916.
- Beker, Steven, Caro, Mich. Ship-table. No. 1,108,318; Aug. 25; Gaz. vol. 205; p. 1097.

Alphabetical list of patentees—Continued.

- Belcher, George E. (See Reinhardt, Louis W., assignor.)
 Belcher, Wallace E. (See Welch, Walter J., assignor.)
 Belcher, Warren J., Hartford, Mass. Chain transmission mechanism for automobiles. No. 1,113,296; Oct. 13; Gaz. vol. 207; p. 351.
 Belches, Peter B., St. Louis, Mo. Starting mechanism for explosive-engines. No. 1,086,638; Feb. 10; Gaz. vol. 199; p. 416.
 Belden, Charles J. (See Page and Belden.)
 Belden, Edward H., assignor to Belden Engineering Company, Pittsburgh, Pa. Internal-combustion engine. No. 1,120,674; Dec. 15; Gaz. vol. 209; p. 701.
 Belden Engineering Company. (See Belden, Edward H., assignor.)
 Belden Manufacturing Company. (See Bein, Peter M., assignor.)
 Belding Bros. & Co. (See Belding and Pearce, assignors.)
 Belding, Hiram H., and L. L. Pearce, assignors to Belding Bros. & Co., Chicago, Ill. Display-rack for spools, &c. No. 1,090,831; Mar. 24; Gaz. vol. 200; p. 861.
 Beler, Adolf, Pittsburgh, Pa. Tire. No. 1,095,955; May 5; Gaz. vol. 202; p. 264.
 Beler Water Heater Company. (See Ellis, John, assignor.)
 Belger, Hermann, Cullercoates, England. Composition for agglutinating dust. No. 1,107,880; Aug. 18; Gaz. vol. 205; p. 896.
 Belger, Hermann, Cullercoates, England. Composition for agglutinating dust. No. 1,120,362; Dec. 8; Gaz. vol. 209; p. 542.
 Belger, Otto A., Boston, Mass. Waste-collector for combining-machines. No. 1,106,073; Aug. 4; Gaz. vol. 205; p. 170.
 Beling, Ernst, Vienna, Austria-Hungary. Safety device for muffles, cupolas, and other furnaces. No. 1,121,969; Dec. 22; Gaz. vol. 209; p. 1189.
 Belk, Bailey P., et al. (See Thomas, Martin E., assignor.)
 Belknap, Edwin C., Chicago, Ill. Lock. No. 1,102,207; June 30; Gaz. vol. 203; p. 1510.
 Belknap, Edwin D. (See Belknap, Frank D. and E. D.)
 Belknap, Ellsworth H., assignor to Golden, Belknap and Swartz Company, Detroit, Mich. Clutch. No. 1,091,474; Mar. 31; Gaz. vol. 200; p. 1122.
 Belknap, Frank D., New York, N. Y. Stencil. No. 1,101,240; June 23; Gaz. vol. 203; p. 1122.
 Belknap, Frank D., New York, N. Y. Stencil-sheet. No. 1,101,241; June 23; Gaz. vol. 203; p. 1122.
 Belknap, Frank D., New York, N. Y. Stencil-sheet. No. 1,101,242; June 23; Gaz. vol. 203; p. 1122.
 Belknap, Frank D., New York, N. Y., and E. D. Belknap, East Orange, N. J. Stencil card or sheet and producing same. No. 1,110,869; Sept. 15; Gaz. vol. 206; p. 795.
 Belknap, Herbert F., Marshfield, Mass. Draft-pipe cap. No. 1,103,734; July 14; Gaz. vol. 204; p. 574.
 Bell, Adam T., et al. (See Downham, Walter S., assignor.)
 Bell, Albert C., Chicago, Ill. Folding sofa-bed. No. 1,101,988; June 30; Gaz. vol. 203; p. 1432.
 Bell, Alonzo C. and T. R., Westfield, N. J. Alternating-current motor. No. 1,089,815; Mar. 10; Gaz. vol. 200; p. 439.
 Bell, Andrew W., et al. (See O'Meara, James J., assignor.)
 Bell, Charles E., et al. (See Reynolds, Henry B., assignor.)
 Bell, Charles H., assignor to Seth Thomas Clock Co., Thomaston, Conn. Keyless clock. No. 1,087,076; Feb. 10; Gaz. vol. 199; p. 564.
 Bell, Charles J., Miami, Fla. Device for mounting casters. No. 1,090,675; Mar. 17; Gaz. vol. 200; p. 778.
 Bell, Charles W., Bartlesville, Okla. Pump for oil and like wells. No. 1,114,721; Oct. 27; Gaz. vol. 207; p. 943.
 Bell, Dillwyn M., Chicago, Ill., and J. C. Fogarty, assignors to Northern Paper Mills, Green Bay, Wis. Paper-serving machine. No. 1,116,787; Nov. 10; Gaz. vol. 208; p. 499.
 Bell, Edwin H., Chicago, Ill. Manufacturing tie-plates. No. 1,089,389; Mar. 10; Gaz. vol. 200; p. 289.
 Bell, Edwin H., Chicago, Ill. Manufacturing tie-plates. No. 1,106,770; Aug. 11; Gaz. vol. 205; p. 458.
 Bell, Edwin J., Oshkosh, Wis. Machine for building up boards. No. 1,090,903; Mar. 24; Gaz. vol. 200; p. 885.
 Bell, Edwin J., Oshkosh, Wis. Machine for gluing and driving dowels. No. 1,122,569; Dec. 29; Gaz. vol. 209; p. 1432.
 Bell, Edwin J., Oshkosh, Wis. Clamping-machine. No. 1,122,570; Dec. 29; Gaz. vol. 209; p. 1432.
 Bell, Elmer. (See Trotter and Bell.)
 Bell, Ernest E., Council Hill, Okla. Chicken-coop. No. 1,088,516; Feb. 24; Gaz. vol. 199; p. 1159.
 Bell, Ernst J., and O. Treiber, Foche, near Solingen, assignors to Vereinigte Walz- und Röhrenwerke Act.-Ges. vormals Friedr. Boecker Ph's Sohn & Co. und Friedr. Koenig, Hohenlimburg, Germany. Bushing. No. 1,091,113; Mar. 24; Gaz. vol. 200; p. 959.
 Bell, Floyd J., assignor of one-half to E. J. Prenatt, Meadville, Pa. Cork-remover. No. 1,117,764; Nov. 17; Gaz. vol. 208; p. 883.
 Bell, Francis W., Nunica, Mich. Burner for stereopticon and motion-picture machines. No. 1,083,654; Jan. 6; Gaz. vol. 198; p. 131.
 Bell, Frank E. (See Jackson and Bell.)
 Bell, George F. (See Mertz, Jacob H., assignor.)
 Bell, George G., Kensington, England. Method of and means for heating water and other mediums or fluids. No. 1,101,243; June 23; Gaz. vol. 203; p. 1122.
 Bell, George W., Stockport, England. Manufacturing tire-covers. No. 1,096,487; May 12; Gaz. vol. 202; p. 483.
 Bell, George W., Liverpool, England. Pneumatic anti-vibration device for automobiles. No. 1,120,011; Dec. 8; Gaz. vol. 209; p. 418.
 Bell, Harmon. (See Loftus, Thomas J., assignor.)
 Bell, Harry E. (See Gosnell, Andrew P., assignor.)
 Bell, Harry L., Norfolk, Va. Cultivator. No. 1,108,319; Aug. 25; Gaz. vol. 205; p. 1097.
 Bell, Harvey W., Yonkers, N. Y. Locomotive. No. 1,084,388; Jan. 13; Gaz. vol. 198; p. 404.
 Bell, Harvey W., Yonkers, N. Y. Self-propelled road-builder's vehicle. No. 1,116,788; Nov. 10; Gaz. vol. 208; p. 500.
 Bell, Ira. (See Moon and Bell.)
 Bell, James E., Laporte, Ind. Chopping and pounding implement. No. 1,086,266; Feb. 3; Gaz. vol. 199; p. 241.
 Bell, James H., Hiwassee, Ark. Wagon-bed attachment. No. 1,085,237; Jan. 27; Gaz. vol. 198; p. 757.
 Bell, Jerome B., Wilmington, Del., assignor to Mergenthaler Linotype Company, New York, N. Y. Linotype-matrix. No. 1,115,274; Oct. 27; Gaz. vol. 207; p. 1139.
 Bell, John C., assignor to Hyatt Roller Bearing Company, Harrison, N. J. Roll-grading machine. No. 1,104,727; July 21; Gaz. vol. 204; p. 957.
 Bell, John E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler. No. 1,096,090; May 12; Gaz. vol. 202; p. 348.
 Bell, Joseph D., et al. (See O'Meara, James J., assignor.)
 Bell, Louis A., Starkville, Miss. Portable folding shelter. No. 1,092,514; Apr. 7; Gaz. vol. 201; p. 135.
 Bell, Miles E., Minneapolis, Minn. Vacuum unit-valve. No. 1,116,368; Nov. 10; Gaz. vol. 208; p. 348.
 Bell, Robert J., Harvey, Ill. Electrically-connecting device. No. 1,090,190; Mar. 17; Gaz. vol. 200; p. 610.
 Bell, Robert J., Ocean View, Va. Vending apparatus. No. 1,123,071; Dec. 29; Gaz. vol. 209; p. 1610.
 Bell, Roscoe C., Mount Carmel, Ill. Sanitary dental impression-tray. No. 1,113,090; Oct. 6; Gaz. vol. 207; p. 233.
 Bell, Silas D., Childress, Tex. Rail-joint. No. 1,085,589; Feb. 3; Gaz. vol. 199; p. 4.
 Bell, Thaddeus R. (See Bell, Alonzo C. and T. R.)
 Bell, Thomas, St. Louis, Mo. Wheel. No. 1,120,891; Dec. 15; Gaz. vol. 209; p. 777.
 Bell, Willard J., Newaygo, Mich. Vibrating screen or separator. No. 1,114,097; Oct. 20; Gaz. vol. 207; p. 671.
 Bell, Willard J., Newaygo, Mich. Sifting testing-machine. No. 1,120,012; Dec. 8; Gaz. vol. 209; p. 418.
 Bell, William A., et al. (See O'Meara, James J., assignor.)
 Bell, William G., Newton, and W. H. Vinto, Boston, Mass.; said Vinto assignor to said Bell. Telephone-call register. No. 1,094,968; Apr. 28; Gaz. vol. 201; p. 1107.
 Bell, William J., Brooklyn, N. Y. Trimming attachment for sewing-machines. No. 1,111,432; Sept. 22; Gaz. vol. 206; p. 1031.
 Bell, William N. (See Swope and Bell.)
 Bell, William N., National Military Home, Ohio. Propeller for boats. No. 1,111,988; Sept. 29; Gaz. vol. 206; p. 1260.
 Bell, William N., Chattanooga, Tenn. Welding-torch. No. 1,121,457; Dec. 15; Gaz. vol. 209; p. 973.
 Bell, William R., Logtown, Miss. Railway construction-car. No. 1,089,306; Mar. 3; Gaz. vol. 200; p. 215.
 Bellamy, Archibald S., Port Alberni, British Columbia, Canada. Game apparatus. No. 1,119,673; Dec. 1; Gaz. vol. 209; p. 266.
 Bellamy, Elmer E., Lakewood, Ohio. Device for forming display-signs. No. 1,106,340; Aug. 4; Gaz. vol. 205; p. 260.
 Bellamy, John B. (See Taliaferro and Bellamy.)
 Bellere, Antonino, assignor to Bellere Automatic Train Stopping Machinery Co., Boston, Mass. Automatic train-stopping apparatus. No. 1,120,263; Dec. 8; Gaz. vol. 209; p. 507.
 Bellere Automatic Train Stopping Machinery Co. (See Bellere, Antonino, assignor.)
 Bellis, Lewis A., Douglas, Ariz. Valve. No. 1,090,676; Mar. 17; Gaz. vol. 200; p. 779.
 Bellows, Benjamin F., Cleveland, Ohio, assignor to Electric Compositor Company, New York, N. Y. Machine for making, setting, and justifying type. No. 1,112,886; Oct. 6; Gaz. vol. 207; p. 166.
 Bellows, Charles F., Boston, Mass. Pocket door-lock. No. 1,089,688; Mar. 10; Gaz. vol. 200; p. 396.
 Bellows, Warren S., Worcester, Mass. Ratchet-wrench. No. 1,116,548; Nov. 10; Gaz. vol. 208; p. 413.
 Bellows, Willis J., Walla Walla, Wash. Hose-coupling. No. 1,104,955; July 28; Gaz. vol. 204; p. 1085.
 Bellve, Joseph, and T. W. Potts, Dunedin, New Zealand. Tramway-track point. No. 1,090,832; Mar. 24; Gaz. vol. 200; p. 862.
 Belmont, Edward, and W. Russell, Leavenworth, Kans. Collar attachment. No. 1,083,981; Jan. 13; Gaz. vol. 198; p. 268.

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- Belot, Alfred. (See Bonnot, Belot, Vassallo, and Emery.)
 Belz, August. (See Wolter and Belz.)
 Belz, August, Untergoldach, assignor to The Firm of H. Levy, Rorschach, Switzerland. Bobbin-winder. No. 1,095,372; May 5; Gaz. vol. 202; p. 68.
 Bemina, Melchiorre, and L. Durand, Palermo, Italy. Diving apparatus for submarine work. No. 1,085,009; Jan. 20; Gaz. vol. 198; p. 642.
 Bemis, Arthur S., assignor to National Carbon Co., Cleveland, Ohio. Rotary electric furnace. No. 1,105,175; July 28; Gaz. vol. 204; p. 1160.
 Bemis, Charles F., Minneapolis, Minn. Storm-sash fastener. No. 1,096,811; May 12; Gaz. vol. 202; p. 593.
 Bemis, Gilbert C., assignor of one-half to E. F. Fletcher, Worcester, Mass. Brush. No. 1,100,113; June 16; Gaz. vol. 203; p. 679.
 Bemis, Gilbert C., assignor of one-half to E. F. Fletcher, Worcester, Mass. Broom. No. 1,101,520; June 30; Gaz. vol. 203; p. 1268.
 Bemis, Richard A., San Bernardino, Cal. Wave-motor. No. 1,097,073; May 19; Gaz. vol. 202; p. 729.
 Bemis, Roscoe M., Athol, Mass. Fish-gaff. No. 1,085,843; Feb. 3; Gaz. vol. 199; p. 94.
 Bemis, Thomas. (See Kosier and Bemis.)
 Bemis, Thomas, Indianapolis, Ind. Pneumatic-despatch apparatus. No. 1,090,375; Mar. 17; Gaz. vol. 200; p. 674.
 Benario, Jakob, Frankfort-on-the-Main, Germany. Adhesive plaster. No. 1,100,944; June 23; Gaz. vol. 203; p. 1020.
 Bencsik, Charles H., Cincinnati, Ohio. Automatic switch mechanism. No. 1,116,973; Nov. 10; Gaz. vol. 208; p. 563.
 Bendall, William J., Globe, Ariz. Fly-paper holder. No. 1,097,838; May 26; Gaz. vol. 202; p. 1039.
 Bender, Andrew, Washington, D. C. Track construction of railways. No. 1,095,072; Apr. 28; Gaz. vol. 201; p. 1141.
 Bender, Frederick W., deceased, Hoboken, N. J.; P. Bender, executrix. Fountain-pen feed. No. 1,098,469; June 2; Gaz. vol. 203; p. 39.
 Bender, George L., and J. G. Rapp, San Francisco, Cal. Labeling-machine. No. 1,091,793; Mar. 31; Gaz. vol. 200; p. 1234.
 Bender, Henry W., Brooklyn, N. Y., assignor, by mesne assignments, to Lovell-McConnell Manufacturing Company. Diaphragm-horn. No. 1,120,642; Dec. 8; Gaz. vol. 209; p. 642.
 Bender, John F., Hamilton, Ohio. Freezing-tank. No. 1,114,957; Oct. 27; Gaz. vol. 207; p. 1027.
 Bender, Pauline, executrix. (See Bender, Frederick W.)
 Bender, Victor, Westville, Ill. Automobile number-plate. No. 1,096,670; May 12; Gaz. vol. 202; p. 544.
 Bendix, Frederick, San Francisco, Cal. Steamer-berth. No. 1,122,188; Dec. 22; Gaz. vol. 209; p. 1263.
 Bendix, George, Vesta, Minn. Strainer attachment. No. 1,087,708; Feb. 17; Gaz. vol. 199; p. 839.
 Bendix, Vincent, Chicago, Ill. Starter for engines. No. 1,116,369; Nov. 10; Gaz. vol. 208; p. 348.
 Bendix, Vincent, Chicago, Ill. Starter for engines. No. 1,116,370; Nov. 10; Gaz. vol. 208; p. 348.
 Bendixen, Niels, Copenhagen, Denmark. Producing paper matrices for half-tone stereotyping. No. 1,108,677; Aug. 25; Gaz. vol. 205; p. 1219.
 Bendixen, Niels, assignor to H. H. Lützhöft-Petersen, Copenhagen, Denmark. Production of printing-surfaces with relief effect. No. 1,092,239; Apr. 7; Gaz. vol. 201; p. 39.
 Bendixen, Victor F., Chicago, Ill. Cuspidor. No. 1,100,863; June 23; Gaz. vol. 203; p. 990.
 Bendishadler, Charles F., Elgin, Oreg. Feeding mechanism. No. 1,114,722; Oct. 27; Gaz. vol. 207; p. 943.
 Bendtsen, Bendt F. N. (See McDevitt, James B., assignor.)
 Benedict, Bernhard, assignor to Beacon Miniature Electric Company, New York, N. Y. Circuit-closer. No. 1,107,645; Aug. 18; Gaz. vol. 205; p. 814.
 Benedict, Bernhard, assignor to Beacon Miniature Electric Company, New York, N. Y. Electric switch. No. 1,107,646; Aug. 18; Gaz. vol. 205; p. 815.
 Benedict, Charles E., and P. Nordeck, Cincinnati, Ohio. Cigar-mold. No. 1,109,817; Sept. 8; Gaz. vol. 206; p. 379.
 Benedict, Guy W., Harvard, Mass. Train-controlling mechanism. No. 1,117,765; Nov. 17; Gaz. vol. 208; p. 883.
 Benedict, Herschel A., East Orange, N. J. Car-hoist. No. 1,102,232; July 7; Gaz. vol. 204; p. 4.
 Benedict, Homer A., Syracuse, N. Y. Switch construction. No. 1,086,639; Feb. 10; Gaz. vol. 199; p. 416.
 Benedictus, Edouard, Paris, France. Reinforced glass and manufacturing the same. No. 1,098,342; May 26; Gaz. vol. 202; p. 1216.
 Benedix, Bernhard. (See Golodetz, Abram, assignor.)
 Benedix, Bernhard, Hamburg, Germany. Fatty saponaceous product and manufacturing same. No. 1,102,129; June 30; Gaz. vol. 203; p. 1482.
 Bensch, William J., Napavine, Wash. Stanchion. No. 1,100,343; June 16; Gaz. vol. 203; p. 758.
 Benét, Laurence V., and H. A. Mercié, Paris, France. Gun-mount. No. 1,089,307; Mar. 3; Gaz. vol. 200; p. 215.
 Benham, Charles A., Cleveland, Ohio, and H. McLaughlin, Superior, Wis. Rudder-indicator. No. 1,110,737; Sept. 15; Gaz. vol. 206; p. 748.
 Benham, Charles E., Schenectady, N. Y. Keyboard for composing-machines. No. 1,099,734; June 9; Gaz. vol. 203; p. 511.
 Benham, Charles E., Schenectady, N. Y. Keyboard for composing-machines. No. 1,106,538; Aug. 11; Gaz. vol. 205; p. 377.
 Benham, Edgar M., Norwood, Ohio, assignor to American Bankers Safety Co. Lock. No. 1,106,916; Aug. 11; Gaz. vol. 205; p. 509.
 Benham, Edgar M., Norwood, assignor to W. A. Knight, trustee, Pleasant Ridge, Ohio. Vented burglar-proof safe. No. 1,120,435; Dec. 8; Gaz. vol. 209; p. 569.
 Benham, Oliver A., Dayton, Ohio. Lock for transmission-levers. No. 1,096,988; May 19; Gaz. vol. 202; p. 698.
 Benham, William T., Rising Sun, Ind. Permutation-lock dial. No. 1,113,865; Oct. 13; Gaz. vol. 207; p. 551.
 Benham, William T., Rising Sun, Ind. Dial and dial-rim of combination-locks. No. 1,113,866; Oct. 13; Gaz. vol. 207; p. 551.
 Béni, Mihály, Benwood, W. Va. Portable chair. No. 1,085,659; Feb. 3; Gaz. vol. 199; p. 28.
 Benjamin Eastwood Company. (See Adsit, George, assignor.)
 Benjamin, Edward H., Oakland, Cal. Air-purifier for carbureters. No. 1,095,695; May 5; Gaz. vol. 202; p. 178.
 Benjamin Electric Manufacturing Company. (See Anderson, Ernst G. K., assignor.)
 Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
 Benjamin Electric Manufacturing Company. (See Bray, Walter J., assignor.)
 Benjamin Electric Manufacturing Company. (See Grigsby, Bertram J., assignor.)
 Benjamin Electric Manufacturing Company. (See Kieland, Jakob D., assignor.)
 Benjamin, George H., New York, N. Y. Manufacture of steel. No. 1,095,184; May 5; Gaz. vol. 202; p. 3.
 Benjamin, George H., New York, N. Y. Apparatus for manufacturing steel. No. 1,102,382; July 7; Gaz. vol. 204; p. 55.
 Benjamin, George H., New York, N. Y. Method of and apparatus for producing gas. No. 1,105,241; July 28; Gaz. vol. 204; p. 1184.
 Benjamin, George H., New York, N. Y. Fertilizer and making the same. No. 1,105,607; Aug. 4; Gaz. vol. 205; p. 7.
 Benjamin, George H., New York, N. Y. Electric furnace. No. 1,106,486; Aug. 11; Gaz. vol. 205; p. 358.
 Benjamin K. Lyman & Co. (See Lyman, Benjamin K., assignor.)
 Benjamin, Loury L. (See Lintner and Benjamin.)
 Benjamin, Reuben B., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Caplet. No. 1,086,347; Feb. 10; Gaz. vol. 199; p. 314.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Subbase for cluster-sockets. No. 1,102,383; July 7; Gaz. vol. 204; p. 56.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Incandescent-electric-lamp socket. No. 1,102,638; July 7; Gaz. vol. 204; p. 147.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Pull-switch socket. No. 1,102,639; July 7; Gaz. vol. 204; p. 147.
 Benjamin, Reuben B., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Moisture-proof twin socket. No. 1,102,640; July 7; Gaz. vol. 204; p. 148.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Separable attachment-plug. No. 1,103,250; July 14; Gaz. vol. 204; p. 406.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Separable attachment-plug. No. 1,103,251; July 14; Gaz. vol. 204; p. 407.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Reflector-shade. No. 1,103,252; July 14; Gaz. vol. 204; p. 407.
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 Benjamin, Reuben B., assignor to Benjamin Electric Company, Chicago, Ill. Suspension-fitting. No. 1,108,679; Aug. 25; Gaz. vol. 205; p. 1220.
 Benjamin, Reuben B., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Electric-lamp socket. No. 1,118,623; Nov. 24; Gaz. vol. 208; p. 1223.
 Benjamin, Reuben B., Chicago, Ill., assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Lamp-supporting device. No. 1,088,866; Mar. 3; Gaz. vol. 200; p. 66.

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- Benjamin, Reuben B., Chicago, Ill., assignor, by mesne assignments, to General Electric Company. Lamp-supporting device. No. 1,088,868; Mar. 3; Gaz. vol. 200; p. 67.
- Benjamin, William S., Seattle, Wash. Rock-drilling machine. No. 1,087,632; Feb. 17; Gaz. vol. 199; p. 812.
- Benjamin, William T., assignor to Shoe Manufacturers' Supply Co., Newark, N. J. Buttonhole-marking machine. No. 1,101,989; June 30; Gaz. vol. 203; p. 1432.
- Benner, Angie L., Sterling, Ill. Folding receptacle. No. 1,115,888; Nov. 3; Gaz. vol. 208; p. 143.
- Benner, George E. (See Hinds and Dalton, assignors.)
- Benner, Henry W., Bethlehem, Pa., assignor to International Gas Development Company, New York, N. Y. Manufacture of gas. No. 1,097,513; May 19; Gaz. vol. 202; p. 881.
- Benner, Russell E., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding and listing machine. No. 1,084,591; Jan. 13; Gaz. vol. 198; p. 472.
- Benner, Russell E., assignor to Burroughs Adding Machine Company, Detroit, Mich. Carriage mechanism for recording-machines. No. 1,109,315; Sept. 1; Gaz. vol. 206; p. 163.
- Benner, Russell E., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding and listing machine. No. 1,115,889; Nov. 3; Gaz. vol. 208; p. 143.
- Benner, Thomas B., Cortland, N. Y. Gas-producer. No. 1,110,372; Sept. 15; Gaz. vol. 206; p. 618.
- Benners, Allen C., Birmingham, Ala. Knockdown carrier for fragile receptacles. No. 1,091,907; Mar. 31; Gaz. vol. 200; p. 1274.
- Benners, Allen C., Birmingham, Ala. Carrier for paper and like receptacles. No. 1,091,908; Mar. 31; Gaz. vol. 200; p. 1274.
- Bennert, Gus, *et al.* (See Hickman and Lynch, assignors.)
- Bennet, Gerard D., Brooklyn, N. Y., assignor to Holland Sprinkler Company, Inc., New York, N. Y. Fusible link for sprinkler-heads. No. 1,113,596; Oct. 13; Gaz. vol. 207; p. 456.
- Bennett, Ashley C., Minneapolis, Minn. Carbureter. No. 1,103,930; July 21; Gaz. vol. 204; p. 682.
- Bennett, Ashley C., Minneapolis, Minn. Intake-manifold. No. 1,103,931; July 21; Gaz. vol. 204; p. 683.
- Bennett, Augustus P. (See Bennett, Randolph C., assignor.)
- Bennett, Charles J., Santa Cruz, Cal. Coin-controlled lock. No. 1,096,671; May 12; Gaz. vol. 202; p. 544.
- Bennett, Dwight H., deceased; J. L. Bennett, administrator, Brooklyn, N. Y. Gas-engine. No. 1,118,178; Nov. 24; Gaz. vol. 208; p. 1064.
- Bennett, Dwight W., Somerton, Pa. Bolt-anchor. No. 1,108,859; Aug. 25; Gaz. vol. 205; p. 1283.
- Bennett, Edgar C., assignor of one-half to O. E. Jones, Dayton, Ohio. Fluid-dispensing apparatus. No. 1,085,789; Feb. 3; Gaz. vol. 199; p. 76.
- Bennett, Edward, Olmsted, Utah. Lightning-arrester. No. 1,110,179; Sept. 8; Gaz. vol. 206; p. 511.
- Bennett, Emmet M., assignor to The Writerpress Company, Buffalo, N. Y. Duplicating-machine. No. 1,099,893; June 9; Gaz. vol. 203; p. 565.
- Bennett, Erastus B., Denver, Colo. Amalgamator. No. 1,101,244; June 23; Gaz. vol. 203; p. 1123.
- Bennett, Ernest C., New York, N. Y. Artificial denture. No. 1,116,371; Nov. 10; Gaz. vol. 208; p. 349.
- Bennett, Frederick, Ravenswood, N. Y., assignor to Walker & Bennett Manufacturing Company. Car-seat. No. 1,113,402; Oct. 13; Gaz. vol. 207; p. 388.
- Bennett, Frederick, Ravenswood, N. Y., assignor to Walker and Bennett Manufacturing Company. Grip-handle for car-seats. No. 1,113,403; Oct. 13; Gaz. vol. 207; p. 389.
- Bennett, George, assignor of one-half to H. W. Schulz, Philadelphia, Pa. Drafting-pen. No. 1,099,160; June 9; Gaz. vol. 203; p. 313.
- Bennett, George L., Trenton, N. J. Charging and discharging conveyor system for brick-kilns. No. 1,085,238; Jan. 27; Gaz. vol. 198; p. 757.
- Bennett, George S., San Francisco, Cal. Vacuum-cleaner. No. 1,102,130; June 30; Gaz. vol. 203; p. 1482.
- Bennett, George W., Massillon, Ohio, assignor to S. Mollett. Clamp for printing-presses. No. 1,103,862; July 14; Gaz. vol. 204; p. 617.
- Bennett, Gordon C. (See Bennett, James C., assignor.)
- Bennett, Harry F., Chicago, Ill. Electric agitator. No. 1,100,648; June 16; Gaz. vol. 203; p. 860.
- Bennett, Harry F., assignor to Mogul Starter Company, Chicago, Ill. Starting device for internal-combustion engines. No. 1,099,685; June 9; Gaz. vol. 203; p. 495.
- Bennett, Harry L., Seattle, Wash. Gearing. No. 1,092,240; Apr. 7; Gaz. vol. 201; p. 40.
- Bennett, Horatio S., Cleveland, Ohio. Burner. No. 1,103,253; July 14; Gaz. vol. 204; p. 407.
- Bennett, Howard D., Baltimore, Md. Packing. No. 1,097,074; May 19; Gaz. vol. 202; p. 729.
- Bennett, Jacob F., Herrick, Ill. Road grader and scraper. No. 1,099,008; June 2; Gaz. vol. 203; p. 220.
- Bennett, James C., assignor of one-half to G. C. Bennett, Detroit, Mich. Blower for boilers. No. 1,095,991; May 5; Gaz. vol. 202; p. 278.
- Bennett, James E., Momence, Ill. Tongue-cap and neck-yoke coupling. No. 1,096,013; May 12; Gaz. vol. 202; p. 322.
- Bennett, James E., Momence, Ill. Running-gear for vehicles. No. 1,116,869; Nov. 10; Gaz. vol. 208; p. 528.
- Bennett, James E. and J. F. Ansonia, Conn. Sash-cord fastener. No. 1,086,267; Feb. 3; Gaz. vol. 199; p. 241.
- Bennett, James L., administrator. (See Bennett, Dwight H.)
- Bennett, John H., Worcester, Mass. Grease-cup. No. 1,108,680; Aug. 25; Gaz. vol. 205; p. 1221.
- Bennett, John L., assignor to U. S. Wire Mat Company, Decatur, Ill. Insect-killer. No. 1,121,708; Dec. 22; Gaz. vol. 209; p. 1097.
- Bennett, Joseph F. (See Bennett, James E. and J. F.)
- Bennett, Joseph P., Brooklyn, N. Y. Veil. No. 1,097,514; May 19; Gaz. vol. 202; p. 881.
- Bennett, Loyd V., Jefferson, Ohio. Box. No. 1,092,008; Mar. 31; Gaz. vol. 200; p. 1306.
- Bennett, Madison K., Galena, Kans. Tire-setting device. No. 1,114,437; Oct. 20; Gaz. vol. 207; p. 793.
- Bennett, Marcellus R., Wilkes-Barre, Pa. Air-valve for internal-combustion engines. No. 1,113,867; Oct. 13; Gaz. vol. 207; p. 552.
- Bennett, Martin S., Minneapolis, Kans. Crate-making machine. No. 1,111,943; Sept. 29; Gaz. vol. 206; p. 1246.
- Bennett, Oliver H., Jamestown, N. D. Mechanical whip. No. 1,117,546; Nov. 17; Gaz. vol. 208; p. 804.
- Bennett, Orin, Placerville, Cal. Type-writing machine. No. 1,115,275; Oct. 27; Gaz. vol. 207; p. 1140.
- Bennett, Paul P., Rockford, assignor to Otis and Moe Manufacturing Company, Chicago, Ill. Egg-carrier. No. 1,093,570; Apr. 14; Gaz. vol. 201; p. 524.
- Bennett, Randolph C., Jersey City, N. J., assignor of one-half to A. P. Bennett, New York, N. Y. Calculator or abacus. No. 1,099,009; June 2; Gaz. vol. 203; p. 220.
- Bennett, Reuben D., Springfield, Mo. Shoe. No. 1,085,010; Jan. 20; Gaz. vol. 198; p. 642.
- Bennett, Richard P., New York, N. Y. Stair-rug fastener. No. 1,085,790; Feb. 3; Gaz. vol. 199; p. 76.
- Bennett, Richard P., New York, N. Y. Rug-fastener. No. 1,115,489; Nov. 3; Gaz. vol. 208; p. 8.
- Bennett, Robert J., Moline, assignor to Artista Piano Player Company, Milan, Ill. Pneumatic playing attachment for musical instruments. No. 1,089,358; Mar. 3; Gaz. vol. 200; p. 233.
- Bennett, Robert J., Moline, assignor to Artista Piano Player Company, Milan, Ill. Playing attachment for automatic musical instruments. No. 1,107,572; Aug. 18; Gaz. vol. 205; p. 787.
- Bennett, Robert J., Moline, assignor to Artista Piano Player Company, Milan, Ill. Automatic pneumatic musical instrument. No. 1,107,573; Aug. 18; Gaz. vol. 205; p. 788.
- Bennett, Robert J., Moline, assignor to Artista Piano Player Company, Milan, Ill. Pneumatic playing attachment for musical instruments. No. 1,107,574; Aug. 18; Gaz. vol. 205; p. 788.
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- Bennett, Robert J., Moline, assignor to Artista Piano Player Company, Milan, Ill. Pneumatic playing attachment for musical instruments. No. 1,118,261; Nov. 24; Gaz. vol. 208; p. 1092.
- Bennett, Rush M., Sunnyside, Wash. Weeder and cultivator. No. 1,086,014; Feb. 3; Gaz. vol. 199; p. 156.
- Bennett, Samuel E., South Williamsport, Pa. Inflating device. No. 1,105,608; Aug. 4; Gaz. vol. 205; p. 7.
- Bennett, Samuel L., Bellows Falls, Vt. Throttle-lock for automobiles. No. 1,095,139; Apr. 28; Gaz. vol. 201; p. 1163.
- Bennett, Silas W. (See Carleton, Oscar M., assignor.)
- Bennett, Vyvyan C., and G. Drummond, El Oro, Mexico. Pulp-distributing machine. No. 1,100,649; June 16; Gaz. vol. 203; p. 860.
- Bennett, William T., Sioux Falls, S. D. Flexible connection for gang-plows. No. 1,085,190; Jan. 27; Gaz. vol. 198; p. 741.
- Benning, John G., Kansas City, Mo. Flower-pot. No. 1,117,474; Nov. 17; Gaz. vol. 208; p. 779.
- Benninghoven, Arthur. (See Garpheide, Fritz, assignor.)
- Bennion, Charles, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,092,470; Apr. 7; Gaz. vol. 201; p. 120.
- Bennis, Karl V., Los Alamitos, Cal. Shock-absorber. No. 1,120,013; Dec. 8; Gaz. vol. 209; p. 419.
- Benoit, Elphege F., North Yakima, Wash. Loaf-sugar scoop. No. 1,104,097; July 21; Gaz. vol. 204; p. 739.
- Benosch, Joseph, assignor to Klauder-Weldon Dyeing Machine Company, Amsterdam, N. Y. Dyeing-machine. No. 1,120,643; Dec. 8; Gaz. vol. 209; p. 642.
- Benosch, Joseph, assignor to Klauder-Weldon Dyeing Machine Company, Amsterdam, N. Y. Dyeing apparatus. No. 1,120,644; Dec. 8; Gaz. vol. 209; p. 643.

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- Benosch, Joseph, assignor to Klauder-Weldon Dyeing Machine Company, Amsterdam, N. Y. Dyeing-machine. No. 1,121,064; Dec. 15; Gaz. vol. 209; p. 838.
- Benscoter, James H., assignor of one-half to A. C. Wood, Perrysville, Pa. Flying-machine. No. 1,113,741; Oct. 13; Gaz. vol. 207; p. 507.
- Benson, David, Lamoille, Ill. Stock-fountain. No. 1,115,049; Oct. 27; Gaz. vol. 207; p. 1060.
- Benson, Elmer A., Peru, Ill. Fastener. No. 1,084,528; Jan. 13; Gaz. vol. 198; p. 448.
- Benson, Howard H. J. (See Jensen, Benson, and Lewis.)
- Benson, James C., Indianapolis, Ind. Seed-cleaner and corn-grader. No. 1,091,275; Mar. 24; Gaz. vol. 200; p. 1014.
- Benson, John W., and D. H. Riggs, Brookeville, Md. Rake. No. 1,088,199; Feb. 24; Gaz. vol. 199; p. 1054.
- Benson, Joseph S., Riverside, assignor to Positive Supply Company, Davenport, Iowa. Vulcanizer. No. 1,099,112; June 2; Gaz. vol. 203; p. 252.
- Benson, Josephine A., Valley City, N. D. Cake-tin. No. 1,107,479; Aug. 18; Gaz. vol. 205; p. 755.
- Benson, Oliver R., Chicago, Ill. Toy top. No. 1,122,189; Dec. 22; Gaz. vol. 209; p. 1264.
- Benson, Royal E., Perrysburg, N. Y. Combined surface-gage. No. 1,118,839; Nov. 24; Gaz. vol. 208; p. 1294.
- Benson, Tully W., Winkelman, Ariz. Rotary engine. No. 1,106,617; Aug. 11; Gaz. vol. 205; p. 405.
- Benson, William C., Owensville, Ind. Railway-tie with cushions. No. 1,093,308; Apr. 14; Gaz. vol. 201; p. 443.
- Benson, William F., Brockton, Mass. Automatic stop for elevators. No. 1,118,179; Nov. 24; Gaz. vol. 208; p. 1064.
- Benson, William J. (See Johnson, Alfred C., assignor.)
- Benson, William R. (See Reagan, Harry C., assignor.)
- Bentley, Charles E. (See Cone, William H., assignor.)
- Bentley, Clarence L., San Pedro, Cal. Canning-machine. No. 1,101,245; June 23; Gaz. vol. 203; p. 1123.
- Bentley, Frank F., Warren, assignor to The Ohio Galvanizing and Manufacturing Company, Niles, Ohio. Nesting ice-can. No. 1,118,624; Nov. 24; Gaz. vol. 208; p. 1223.
- Bentley, Fred W., Schenectady, N. Y., assignor to General Electric Company. Emergency-governor. No. 1,092,968; Apr. 14; Gaz. vol. 201; p. 324.
- Bentley, Oliver D. H., Brooklyn, N. Y., assignor to B. F. Sturtevant Company, Boston, Mass. Lubricating device. No. 1,084,922; Jan. 20; Gaz. vol. 198; p. 613.
- Bentley, Oliver D. H., assignor to B. F. Sturtevant Company, Boston, Mass. Governor. No. 1,103,024; July 14; Gaz. vol. 204; p. 326.
- Bentley, William A., Chicago, Ill. Carbureter. No. 1,096,989; May 19; Gaz. vol. 202; p. 698.
- Bentley, William G., Temple, Tex. Time-indicator. No. 1,086,268; Feb. 3; Gaz. vol. 199; p. 241.
- Benton, Abba, and C. D. Jordan, Monticello, Ga. Planter. No. 1,096,217; May 12; Gaz. vol. 202; p. 390.
- Benton, Callie C., Gary, Ind. Spout for ore-smelting furnaces. No. 1,086,884; Feb. 10; Gaz. vol. 199; p. 502.
- Benton, Curtis, San Francisco, Cal. Automatic electromagnetic switch. No. 1,092,969; Apr. 14; Gaz. vol. 201; p. 325.
- Benton, Francis E., Stoughton, Mass. Shoe-last. No. 1,103,735; July 14; Gaz. vol. 204; p. 574.
- Benton, Fred H., Denver, Colo. Hose-nozzle holder. No. 1,097,746; May 26; Gaz. vol. 202; p. 1007.
- Benton, Harry L., Redding, Cal. Log lifting and hauling machine. No. 1,092,088; Mar. 31; Gaz. vol. 200; p. 1333.
- Benton, John E. (See Kastner and Benton.)
- Benton, Linn B., Plainfield, assignor to American Type Founders Company, Jersey City, N. J. Type-casting machine. No. 1,115,773; Nov. 3; Gaz. vol. 208; p. 103.
- Benton, Thomas H., Portsmouth, Va. Mattress. No. 1,089,959; Mar. 3; Gaz. vol. 200; p. 99.
- Benton, Walter L., Houston, Tex. Motor-tricycle. No. 1,103,254; July 14; Gaz. vol. 204; p. 408.
- Benton, William A., Erdington, near Birmingham, England. Weight-indicating weighing apparatus. No. 1,101,390; June 23; Gaz. vol. 203; p. 1172.
- Bentz, Ernest, Manchester, England, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of reserve effects on textile fiber. No. 1,098,145; May 26; Gaz. vol. 202; p. 1147.
- Bentz, Harry, Montclair, N. J. Gas-washer. No. 1,117,809; Nov. 17; Gaz. vol. 208; p. 723.
- Bentzon, Malcolm, and A. H. Emerson, London, England. Apparatus for the manufacture of bifocal lenses. No. 1,084,529; Jan. 13; Gaz. vol. 198; p. 448.
- Benz, G. Fred. (See Hepner, Harry G., assignor.)
- Benzion, Joseph, New York, N. Y. Tumbler-washer. No. 1,116,006; Nov. 3; Gaz. vol. 208; p. 185.
- Béraud, Jules E. H., Asnières, France. Time-switch. No. 1,123,072; Dec. 29; Gaz. vol. 209; p. 1611.
- Berbecker & Rowland Manufacturing Company. (See Bond, Lester W., assignor.)
- Berberich, Franz M., Kiel, Germany. Device for mixing and rendering liquids homogeneous. No. 1,112,050; Sept. 29; Gaz. vol. 206; p. 1280.
- Bercaw, John W., Hamilton, Ohio. Laundry-washing machine. No. 1,111,126; Sept. 22; Gaz. vol. 206; p. 926.
- Berchtold, John A., Sigel, assignor of one-half to A. Schlicher, Mattoon, Ill. Shade-bracket. No. 1,089,898; Mar. 10; Gaz. vol. 200; p. 468.
- Berchtold, John A., Sigel, assignor of one-half to A. Schlicher, Mattoon, Ill. Window-shade support. No. 1,108,681; Aug. 25; Gaz. vol. 205; p. 1221.
- Berdon, Albert E., Indianapolis, Ind. Electromagnetic structure. No. 1,085,721; Feb. 3; Gaz. vol. 199; p. 50.
- Berdon, Albert E., Indianapolis, Ind. Electric-current-controlling apparatus. No. 1,108,320; Aug. 25; Gaz. vol. 205; p. 1098.
- Berecz, Jozsef, Bridgeport, Conn. Flying and spinning toy. No. 1,110,738; Sept. 15; Gaz. vol. 206; p. 748.
- Berend, Ludwig, assignor to Dr. Kurt Albert Chemische Fabrik, Amöneburg-on-the-Rhine, Germany. Emulsion products and producing them. No. 1,107,020; Aug. 11; Gaz. vol. 205; p. 543.
- Berendes, Rudolf, and E. Rietz, Elberfeld, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Magnesium salts of acylated aromatic ortho-oxycarboxylic acids. No. 1,113,742; Oct. 13; Gaz. vol. 207; p. 507.
- Berendes, Rudolph, Elberfeld, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Bismuth salt of gallo-carboxylic acid. No. 1,095,618; May 5; Gaz. vol. 202; p. 152.
- Beretta, Ubaldo, and B. Gianese, Genoa, Italy. Steam-boiler. No. 1,084,782; Jan. 20; Gaz. vol. 198; p. 567.
- Berg, Alfred G., and J. H. Root, Newburgh, N. Y. Center-indicator. No. 1,093,027; Apr. 14; Gaz. vol. 201; p. 343.
- Berg, Carl, Brooklyn, assignor to J. W. Beard, New York, N. Y. Rail-tie. No. 1,108,682; Aug. 25; Gaz. vol. 205; p. 1221.
- Berg, Carl, Brooklyn, assignor to J. W. Beard, New York county, N. Y. Harrow-tooth mount. No. 1,110,986; Sept. 15; Gaz. vol. 206; p. 834.
- Berg, Charles L., New York, N. Y. Ellipsograph. No. 1,116,549; Nov. 10; Gaz. vol. 208; p. 413.
- Berg, Edgar A., Hatton, N. D. Trap. No. 1,111,521; Sept. 22; Gaz. vol. 206; p. 1062.
- Berg, Edward A., Bridgeport, Conn. Making shears. No. 1,111,245; Sept. 22; Gaz. vol. 206; p. 968.
- Berg, Fred C., St. Louis, Mo. Work-board. No. 1,086,747; Feb. 10; Gaz. vol. 199; p. 453.
- Berg, Hakon A., Braddock, Pa. Clay-gun-operating mechanism. No. 1,121,224; Dec. 15; Gaz. vol. 209; p. 893.
- Berg, Hjalmar C., Starbuck, Minn. Clevis. No. 1,117,310; Nov. 17; Gaz. vol. 208; p. 723.
- Berg, John, Chicago, Ill. Kitchen-sink. No. 1,083,583; Jan. 6; Gaz. vol. 198; p. 107.
- Berg, John, New York, N. Y. Ventilating system. No. 1,119,921; Dec. 8; Gaz. vol. 209; p. 387.
- Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Electric connector. No. 1,085,960; Feb. 3; Gaz. vol. 199; p. 136.
- Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Ignition device. No. 1,094,051; Apr. 21; Gaz. vol. 201; p. 730.
- Berg, John O., New York, N. Y. Tool for treating artificial stone. No. 1,102,856; July 7; Gaz. vol. 204; p. 221.
- Berg, Joseph, New York, N. Y. Tire-trunk. No. 1,100,282; June 16; Gaz. vol. 203; p. 738.
- Berg, Lars J., Chicago, Ill. Clasp-brake for railway-trucks. No. 1,087,100; Feb. 17; Gaz. vol. 199; p. 624.
- Berg, Lewis H., New York, N. Y. Device for preventing water-leaders from freezing. No. 1,096,091; May 12; Gaz. vol. 202; p. 348.
- Berg, Lewis H., assignor of one-half to L. Jerkowski, New York, N. Y. Burglar-alarm device. No. 1,112,592; Oct. 6; Gaz. vol. 207; p. 65.
- Berg, Per T. (See Stevens, Richard H., assignor.)
- Berg, Robert D., St. Paul, Minn. Track-drill. No. 1,101,114; June 23; Gaz. vol. 203; p. 1077.
- Berg, William, New York, N. Y., assignor to General Optical Company, Inc. Perimeter. No. 1,113,091; Oct. 6; Gaz. vol. 207; p. 234.
- Bergdolt, Wilhelm. (See Blank and Bergdolt.)
- Berge, Helleik S., Minneapolis, Minn. Antislipping device. No. 1,087,866; Feb. 17; Gaz. vol. 199; p. 890.
- Bergell, Peter, Berlin-Wilmersdorf, assignor to J. D. Riedel Aktiengesellschaft, Berlin-Brütz, Germany. Pharmaceutical or medicinal compound and producing the same. No. 1,094,296; Apr. 21; Gaz. vol. 201; p. 811.
- Bergen, Mary E. L., Brooklyn, N. Y. Garment-supporter. No. 1,109,956; Sept. 8; Gaz. vol. 206; p. 430.
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 Berger, Frank, Baltimore, Md. Perfume-atomizer. No. 1,104,607; July 21; Gaz. vol. 204; p. 916.
 Berger-Hahnel, Franz, Ullgersdorf, near Bodenbach, Austria-Hungary. Keyhole-guard. No. 1,105,544; July 28; Gaz. vol. 204; p. 1291.
 Berger, James A., Schenectady, N. Y. Piston packing-ring. No. 1,106,539; Aug. 11; Gaz. vol. 205; p. 377.
 Berger, John, Salt Lake City, Utah. Placer-machine. No. 1,093,760; Apr. 21; Gaz. vol. 201; p. 633.
 Berger Manufacturing Company, The. (See Ecker, Charles W., assignor.)
 Berger Manufacturing Company, The. (See Schlafly, Julius H., assignor.)
 Berger, Max. (See Martin and Berger.)
 Berger, Max, and R. Weisbach, San Francisco, Cal.; said Berger assignor to said Weisbach. Amusement device. No. 1,103,558; July 14; Gaz. vol. 204; p. 509.
 Berger, Max, and R. Weisbach, San Francisco, Cal.; said Weisbach assignor to said Berger. Non-refillable bottle. No. 1,108,091; Aug. 18; Gaz. vol. 205; p. 969.
 Berger, Otto, New York, N. Y. Lubricator for elevator-guides. No. 1,102,641; July 7; Gaz. vol. 204; p. 148.
 Berger, Otto R., Cleveland, Ohio. Molder's flask. No. 1,100,049; June 16; Gaz. vol. 203; p. 656.
 Berger, Robert S., Wanakena, N. Y. Grease-cup. No. 1,095,546; May 5; Gaz. vol. 202; p. 129.
 Berger, Samuel. (See Badig and Berger.)
 Berger, Samuel, Blooming Glen, Pa. Railway-tie. No. 1,098,877; June 2; Gaz. vol. 203; p. 176.
 Berger, William, Winfield, Iowa. Railway-switch. No. 1,100,114; June 16; Gaz. vol. 203; p. 679.
 Bergeron, Arthur, Ironwood, Mich. Gear-cutter attachment for lathes. No. 1,103,125; July 14; Gaz. vol. 204; p. 362.
 Bergerson, Ole, Big Lake, Minn. Belt-guide. No. 1,086,885; Feb. 10; Gaz. vol. 199; p. 502.
 Bergesen, John, New York, N. Y. Oscillating engine and self-regulating gear therefor. No. 1,116,974; Nov. 10; Gaz. vol. 208; p. 564.
 Bergesen, John, New York, N. Y. Steering-engine. No. 1,116,975; Nov. 10; Gaz. vol. 208; p. 564.
 Bergfeld, Ludwig, Durlach, near Karlsruhe, Germany. Separation of oxygen from the air. No. 1,120,436; Dec. 8; Gaz. vol. 209; p. 569.
 Berggren, Per, Brooklyn, N. Y. Drafting-pen. No. 1,117,475; Nov. 17; Gaz. vol. 208; p. 780.
 Bergh, Henry, New York, N. Y. Toy motor-boat. No. 1,116,215; Nov. 3; Gaz. vol. 208; p. 255.
 Berghoefer, Charles, deceased, Milwaukee, Wis.; E. C. Berghoefer, executor. Box-car-loading apparatus. No. 1,090,966; Mar. 24; Gaz. vol. 200; p. 908.
 Berghoefer, Edward C., executor. (See Berghoefer, Charles.)
 Berghofer, William F., Quincy, Ill. Feeder. No. 1,120,178; Dec. 8; Gaz. vol. 209; p. 477.
 Berghorn, Olga, Jersey City, N. J. Cigarette-box. No. 1,116,372; Nov. 10; Gaz. vol. 208; p. 349.
 Bergin, Patrick H. (See Painter, William A., assignor.)
 Berglof, Algot, Chicago, Ill. Carbonizing and superheating gas. No. 1,085,096; Jan. 20; Gaz. vol. 198; p. 671.
 Bergmaier, Joseph P. (See Swift, William R., assignor.)
 Bergman, Frederick H., Newton, Iowa. Releasable wringer. No. 1,089,622; Mar. 10; Gaz. vol. 200; p. 373.
 Bergman, Olof N., and A. Gran, Chicago, Ill. Intermittent fountain drawing-pen. No. 1,087,425; Feb. 17; Gaz. vol. 199; p. 738.
 Bergmann, Christian N. (See Schuster, Carl, assignor.)
 Bergmann-Elektricitäts-Werke, Aktiengesellschaft. (See Wolff, Georg, assignor.)
 Bergmann-Elektricitätswerke. (See Fritz, Walter, assignor.)
 Bergmann, Johannes A., Toronto, Ontario, Canada. Illuminated sign. No. 1,088,869; Mar. 3; Gaz. vol. 200; p. 67.
 Bergmark, John K., Cadillac, Mich. Chair. No. 1,112,969; Oct. 6; Gaz. vol. 207; p. 194.
 Bergner, Karl, Borsdorf, near Leipzig, Germany. Closing contrivance for ladies' waists, blouses, and corsets. No. 1,106,359; Aug. 11; Gaz. vol. 205; p. 311.
 Bergren, Charley G. (See Bergren, John A., assignor.)
 Bergren, John A., Lake Park, Minn., assignor of one-half to C. G. Bergren, Hannaford, N. D. Sled-runner attachment. No. 1,094,420; Apr. 28; Gaz. vol. 201; p. 912.
 Bergs, Engelbert, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing unsaturated terpene hydrocarbons. No. 1,091,276; Mar. 24; Gaz. vol. 200; p. 1015.
 Bergstrom, Adolph G. and A. J., Rockford, Ill. Spark-plug. No. 1,098,705; June 2; Gaz. vol. 203; p. 120.
 Bergstrom, Arthur J. (See Bergstrom, Adolph G. and A. J.)
 Bergstrom, John A., Passaic, N. J. Poisonous tablet and antidote. No. 1,112,755; Oct. 6; Gaz. vol. 207; p. 122.
 Bergstrom, Oscar, assignor to Handy Manufacturing Company, Chicago, Ill. Veneer-press. No. 1,116,976; Nov. 10; Gaz. vol. 208; p. 565.
 Beringer, Emil, and W. Zimmer, Charlottenburg, assigns to Reichhold, Flügger & Boecking, lac-varnish manufacturers, Hamburg, Germany. Preserving wood-oil from congealing on being subjected to heat. No. 1,103,473; July 14; Gaz. vol. 204; p. 481.
 Berkenfeld, Israel, Cleveland, Ohio. Reversible cuff. No. 1,085,791; Feb. 3; Gaz. vol. 199; p. 77.
 Berkey, Albert J. (See Finkenbinder, George E., assignor.)
 Berkstresser, Robert H., York, Pa. Leaf-spring for vehicles. No. 1,099,533; June 9; Gaz. vol. 203; p. 442.
 Berlin-Anhaltische Maschinenbau-Aktien-Gesellschaft. (See Menzel, Hermann, assignor.)
 Berlin-Anhaltische Maschinenbau-Aktien-Gesellschaft. (See Spitzer, Bernhard, assignor.)
 Berlin & Jones Envelope Co. (See Ham, Harry R., assignor.)
 Berlin Machine Works, The. (See Lane and Mitchell, assignors.)
 Berlin Machine Works, The. (See Mitchell, Harrison J., assignor.)
 Berlin Machine Works, The. (See Stevens, Burt D., assignor.)
 Berlin Machine Works, The. (See Thurlow, Ira M., assignor.)
 Berliner, Arnold, Berlin, Germany, assignor to General Electric Company. Making incandescent electric lamps. No. 1,094,774; Apr. 28; Gaz. vol. 201; p. 1039.
 Berliner, Emile. (See Weinberg, Fritz, assignor.)
 Berliner, Emile, Washington, D. C. Parachute for helicopters. No. 1,110,180; Sept. 8; Gaz. vol. 206; p. 511.
 Berliner, Emile, Washington, D. C. Aeromobile. No. 1,115,162; Oct. 27; Gaz. vol. 207; p. 1101.
 Berliner, Emile, Washington, D. C. Stabilizing mechanism for flying-machines. No. 1,119,567; Dec. 1; Gaz. vol. 209; p. 231.
 Berliner Special-Maschinen-Industrie Victor Sternberg. (See Beutler, Gustav, assignor.)
 Berling, Wilhelm C., Buffalo, N. Y. Timing device for ignition-magnetos. No. 1,115,890; Nov. 3; Gaz. vol. 208; p. 143.
 Berman, Louis C., Chicago, Ill. Jack. No. 1,100,344; June 16; Gaz. vol. 203; p. 758.
 Bermingham, Samuel. (See Redd and Bermingham.)
 Bernard, Benjamin. (See Greenstein, Max, assignor.)
 Bernard, Roy. (See West and Bernard.)
 Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Shoe-button tool. No. 1,090,191; Mar. 17; Gaz. vol. 200; p. 610.
 Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Pliers or similar tool. No. 1,102,384; July 7; Gaz. vol. 204; p. 56.
 Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Pruning or like implement. No. 1,104,768; July 28; Gaz. vol. 204; p. 1020.
 Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Means for setting eyelets. No. 1,105,872; Aug. 4; Gaz. vol. 205; p. 100.
 Bernartz, Adolph A., R. F. Haldewang, and C. Braunsdorf, Chicago, Ill. Christmas-tree holder. No. 1,117,158; Nov. 17; Gaz. vol. 208; p. 666.
 Bernath, George, assignor of fifty one-hundredths to N. Anticevich, Gary, Ind. Bundle-tier. No. 1,100,945; June 23; Gaz. vol. 203; p. 1020.
 Bernatz, Frank, Dixon, Mont. Current-operated device. No. 1,105,745; Aug. 4; Gaz. vol. 205; p. 56.
 Bernatzky, Nikolai L., St. Petersburg, Russia. Swimming-apparatus gown. No. 1,109,504; Sept. 1; Gaz. vol. 206; p. 227.
 Bernauer, George W., St. Charles, Mo. Press. No. 1,113,297; Oct. 13; Gaz. vol. 207; p. 351.
 Berners, Edward C., Two Rivers, Wis. Bottle-closure. No. 1,090,677; Mar. 17; Gaz. vol. 200; p. 779.
 Bernett, Willis J., assignor to W. B. Thayer, Kansas City, Mo. Floor-polishing apparatus. No. 1,119,392; Dec. 1; Gaz. vol. 209; p. 171.
 Bernhard, John H., McGregor, Iowa. Tank-heater. No. 1,113,185; Oct. 13; Gaz. vol. 207; p. 309.
 Bernhard, Richard, Cudahy, Wis., assignor to Power & Mining Machinery Company. Twyer. No. 1,097,907; May 26; Gaz. vol. 202; p. 1066.
 Bernhardt, Max E. (See Hofmann, Fritz, assignor.)
 Bernheim, Eugene C., Southbridge, Mass. Eyeglasses. No. 1,094,969; Apr. 28; Gaz. vol. 201; p. 1108.

Alphabetical list of patentees—Continued.

- Bernheim, Morris U., Louisville, Ky., assignor, by mesne assignments, to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio. Conveyer. No. 1,086,886; Feb. 10; Gaz. vol. 199; p. 502.
- Bernheim, Morris U., Louisville, Ky., assignor, by mesne assignments, to The Alvey-Ferguson Company, Oakley, Ohio. Conveyer. No. 1,106,618; Aug. 11; Gaz. vol. 205; p. 486.
- Bernheimer, Sanford J., assignor to The Electromobile Company, St. Louis, Mo. Motor-truck. No. 1,119,225; Dec. 1; Gaz. vol. 209; p. 113.
- Bernick, Ernst, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Optical system for prism-carrying devices. No. 1,104,769; July 28; Gaz. vol. 204; p. 1020.
- Bernier, James P. E., Salem, and F. A. Andersen, Danvers, Mass. Car-brake. No. 1,097,515; May 19; Gaz. vol. 202; p. 881.
- Bernier, Oscar, Fall River, assignor to Draper Company, Hopedale, Mass. Filling-replenishing loom. No. 1,107,400; Aug. 18; Gaz. vol. 205; p. 726.
- Bernstein, Abraham, Cincinnati, Ohio. Hame-holder. No. 1,088,647; Feb. 24; Gaz. vol. 199; p. 1201.
- Bernstein, Arnold, Chemnitz, Germany. Manufacturing a viscose solution from wood-cellulose. No. 1,121,605; Dec. 22; Gaz. vol. 209; p. 1060.
- Bernstrom, John, *et al.* (See Berrigan, John J., assignor.)
- Berntsen, Aksel H., and P. P. Kilstofte, Waupun, Wis. Cotter-pin. No. 1,107,881; Aug. 18; Gaz. vol. 205; p. 896.
- Bernz, Otto. (See Flitcroft, James E., assignor.)
- Berold, Frederick H., Wyoming, Ohio. Printer's block. No. 1,107,647; Aug. 18; Gaz. vol. 205; p. 815.
- Berold, Frederick H., Wyoming, Ohio. Printer's block. No. 1,107,648; Aug. 18; Gaz. vol. 205; p. 815.
- Berquist, Henry A., St. Croix Falls, Wis. Railway-tie and rail-fastener. No. 1,102,857; July 7; Gaz. vol. 204; p. 222.
- Berrigan, John J., Orange, N. J., assignor to William Galloway Company, Waterloo, Iowa. Liquid-separator. No. 1,087,568; Feb. 17; Gaz. vol. 199; p. 789.
- Berrigan, John J., Orange, N. J., assignor to F. J. Arend, New York, N. Y., and J. Bernstrom, Stockholm, Sweden. Separating liquids and solids and washing or otherwise treating the separated solids. No. 1,087,094; Feb. 10; Gaz. vol. 199; p. 569.
- Berriman, Edward C., Chicago, Ill. Tobacco-package. No. 1,089,457; Mar. 10; Gaz. vol. 200; p. 315.
- Berry, Ambrose, Guntersville, Ala. Wire-fastener. No. 1,103,932; July 21; Gaz. vol. 204; p. 683.
- Berry, Austin, Warden, Quebec, Canada. Railway water-closet. No. 1,113,186; Oct. 13; Gaz. vol. 207; p. 310.
- Berry, Charles A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Bolt mechanism for doors. No. 1,086,125; Feb. 3; Gaz. vol. 199; p. 195.
- Berry, Charles A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Bolt mechanism for doors. No. 1,086,126; Feb. 3; Gaz. vol. 199; p. 196.
- Berry, Charles A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Combination-lock. No. 1,121,458; Dec. 15; Gaz. vol. 209; p. 974.
- Berry, Charles E., Somerville, Mass. Hydrant-wrench. No. 1,114,723; Oct. 27; Gaz. vol. 207; p. 943.
- Berry, Charles W., West Somerville, Mass. Recorder. No. 1,093,244; Apr. 14; Gaz. vol. 201; p. 420.
- Berry, Earle A., Kansas City, Mo. Silo. No. 1,104,866; July 28; Gaz. vol. 204; p. 1055.
- Berry, Elmer S., Hebron, Ohio. Draft attachment for plows. No. 1,119,226; Dec. 1; Gaz. vol. 209; p. 113.
- Berry, Frank K., assignor to A-B Stove Company, Battle Creek, Mich. Oven-door. No. 1,111,352; Sept. 22; Gaz. vol. 206; p. 1004.
- Berry, Frank L., Spokane, Wash. Pneumatic agitator for ice-making apparatus. No. 1,113,298; Oct. 13; Gaz. vol. 207; p. 352.
- Berry, George, Colne Mead, West Drayton, England, assignor to General Electric Company. Alternating-current-distributing system. No. 1,101,051; June 23; Gaz. vol. 203; p. 1057.
- Berry, Herbert H., and W. J. Markham, London, England. Electric switch. No. 1,118,324; Nov. 24; Gaz. vol. 208; p. 1115.
- Berry, Jesse, Bertram, Iowa. Oiling device. No. 1,092,329; Apr. 7; Gaz. vol. 201; p. 72.
- Berry, John H., Newton, assignor of one-fourth to J. A. Bowles, Villa Grove, Ill. Device for cutting grass. No. 1,090,267; Mar. 17; Gaz. vol. 200; p. 637.
- Berry, Joseph, *et al.* (See Hallsworth, James, assignor.)
- Berry, Leslie G., Des Moines, Iowa. Reinforced sheet-metal panel. No. 1,096,218; May 12; Gaz. vol. 202; p. 391.
- Berry, Otto C., Glendale, Ohio. Producing gas from bituminous fuel. No. 1,116,216; Nov. 3; Gaz. vol. 208; p. 256.
- Berry, Richard E., Providence district, Fairfax county, Va. Pulverizing and smoothing harrow. No. 1,097,908; May 26; Gaz. vol. 202; p. 1067.
- Berry, Robert C., Indianapolis, Ind. Hacksaw-gulde. No. 1,091,726; Mar. 31; Gaz. vol. 200; p. 1209.
- Berry, Ronald, *et al.* (See Hallsworth, James, assignor.)
- Berry, Susanna W., *et al.* (See Raes, Joseph, assignor.)
- Berry, Walter H., Fort Defiance, Va. Lamp-heater. No. 1,087,101; Feb. 17; Gaz. vol. 199; p. 625.
- Berry, William, Nunhead, England. Printing. No. 1,097,075; May 19; Gaz. vol. 202; p. 730.
- Berrymann, Henry C., Brooklyn, N. Y. Shirt. No. 1,107,021; Aug. 11; Gaz. vol. 205; p. 543.
- Berson, Ellias, New York, N. Y. Sidewalk air and light grating. No. 1,113,868; Oct. 13; Gaz. vol. 207; p. 552.
- Berson, Nathan, New York, N. Y., assignor, by mesne assignments, to Irving Iron Works Company. Means for fastening floor and sidewalk gratings. No. 1,105,873; Aug. 4; Gaz. vol. 205; p. 101.
- Berst, Jacques A., New York, N. Y. Attachment for cameras. No. 1,117,159; Nov. 17; Gaz. vol. 208; p. 666.
- Bersted, Martin C., Chicago, Ill. Tool-holder for lathes. No. 1,109,031; Sept. 1; Gaz. vol. 206; p. 63.
- Bersted, Martin C., Chicago, Ill. Wrench. No. 1,109,032; Sept. 1; Gaz. vol. 206; p. 63.
- Bertheim, Alfred. (See Ehrlich and Bertheim.)
- Bertheim, Alfred, and P. Karrer, Frankfurt-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Arsenic-antimony compound and making same. No. 1,111,821; Sept. 29; Gaz. vol. 206; p. 1204.
- Berthier, André V. P. M., Paris, France. Automatic firearm. No. 1,083,872; Jan. 6; Gaz. vol. 198; p. 199.
- Berthold, Gustav A., Chemnitz, Germany. Device for binding skeins on reels. No. 1,084,193; Jan. 13; Gaz. vol. 198; p. 341.
- Berthold, Gustav A., Chemnitz, Germany. Device for binding the skeins on reels. No. 1,086,504; Feb. 10; Gaz. vol. 199; p. 368.
- Berthold, Richard E., Flushing, N. Y. Gas-igniter. No. 1,086,435; Feb. 10; Gaz. vol. 199; p. 344.
- Berthold, Richard E., Richmond Hill, N. Y. Gas-igniter. No. 1,120,363; Dec. 8; Gaz. vol. 209; p. 542.
- Berthoud, Ray J., Swanton, Ohio. Anti-rail-creeper. No. 1,120,675; Dec. 15; Gaz. vol. 209; p. 701.
- Berthrong, Ithamar P., Washington, D. C. Dose-indicator. No. 1,091,114; Mar. 24; Gaz. vol. 200; p. 960.
- Bertin, Isaac, New York, N. Y. Blank placing and registering mechanism for paper-dish-making machines. No. 1,094,970; Apr. 28; Gaz. vol. 201; p. 1108.
- Bertin, Isaac, New York, N. Y. Scrap removing or discharging mechanism for paper-dish-making machines. No. 1,094,971; Apr. 28; Gaz. vol. 201; p. 1108.
- Bertke, Frank C., Scottsbluff, Nebr. Draft-equalizer. No. 1,121,323; Dec. 15; Gaz. vol. 209; p. 927.
- Bertodo, Mariano, and R. F. Mohr, New York, N. Y. Scaffold. No. 1,092,422; Apr. 7; Gaz. vol. 201; p. 103.
- Bertolino, Dominick. (See Dailey and Bertolino.)
- Bertram, Henry W., assignor to McDougall Company, Frankfort, Ind. Kitchen-cabinet. No. 1,113,928; Oct. 13; Gaz. vol. 207; p. 571.
- Bertram, William E., Brooklyn, assignor to International Typesetting Machine Company, New York, N. Y. Linotype-machine. No. 1,086,269; Feb. 3; Gaz. vol. 199; p. 242.
- Bertram, William E., Brooklyn, assignor to International Typesetting Machine Company, New York, N. Y. Linotype-machine. No. 1,108,828; Aug. 25; Gaz. vol. 205; p. 1271.
- Bertram, William E., Brooklyn, assignor to International Typesetting Machine Company, New York, N. Y. Linotype-machine. No. 1,108,829; Aug. 25; Gaz. vol. 205; p. 1271.
- Bertram, William E., Brooklyn, assignor to International Typesetting Machine Company, New York, N. Y. Linotype-machine. No. 1,116,217; Nov. 3; Gaz. vol. 208; p. 256.
- Bertram, William E., Brooklyn, assignor to International Typesetting Machine Company, New York, N. Y. Linotype-machine. No. 1,116,218; Nov. 3; Gaz. vol. 208; p. 257.
- Bertram, William E., Brooklyn, assignor to International Typesetting Machine Company, New York, N. Y. Linotype-machine. No. 1,116,219; Nov. 3; Gaz. vol. 208; p. 257.
- Bertrand, Frederic E., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Channeling-machine. No. 1,098,010; May 26; Gaz. vol. 202; p. 1102.
- Berwick, John W. (See Chouinard, Oscar, assignor.)
- Berwick, John W., Brooklyn, N. Y. Photograph-printing machine. No. 1,101,514; June 23; Gaz. vol. 203; p. 1216.
- Berwick, John W., Brooklyn, N. Y. Report-record. No. 1,112,428; Oct. 6; Gaz. vol. 207; p. 3.
- Berwick, Walter J. (See Fleming, John C., assignor.)
- Berzak, Samuel, New York, N. Y., and S. Arotzer, Newark, N. J. Clothes-line holder. No. 1,106,917; Aug. 11; Gaz. vol. 205; p. 510.
- Beseman, Edward J., Los Angeles, Cal. Amusement apparatus. No. 1,104,469; July 21; Gaz. vol. 204; p. 867.
- Beskow, Knut J., and A. Ramén, Helsingborg, Sweden. Furnace for treating ore and the like. No. 1,091,182; Mar. 24; Gaz. vol. 200; p. 984.
- Beskow, Knut J., and A. Ramén, Helsingborg, Sweden. Roasting-furnace. No. 1,104,288; July 21; Gaz. vol. 204; p. 804.

Alphabetical list of patentees—Continued.

- Besley, Lewis S., Salt Lake City, Utah. Thermostatic circuit-controller. No. 1,102,566; July 7; Gaz. vol. 204; p. 121.
- Bess, Albert, administrator. (See Bess, Earl.)
- Bess, Charles. (See Small and Bess.)
- Bess, Earl, deceased, Hamilton, Ohio; A. Bess, administrator. Electrolytic washing and bleaching device. No. 1,086,579; Feb. 10; Gaz. vol. 199; p. 396.
- Bess, Grover C., assignor of one-half to A. I. Isbell, Waukomis, Okla. Incubator. No. 1,105,176; July 28; Gaz. vol. 204; p. 1160.
- Bessemer Gas Engine Company. (See Peterson, Frederick O., assignor.)
- Bessent, James T., Warwick, Ga. Apparatus for separating turpentine from dross. No. 1,115,379; Oct. 27; Gaz. vol. 207; p. 1174.
- Besserlich, William A., Clintonville, Wis. Steering-gear. No. 1,094,297; Apr. 21; Gaz. vol. 201; p. 811.
- Besserlich, William A., Clintonville, Wis. Internal-combustion engine. No. 1,113,743; Oct. 13; Gaz. vol. 207; p. 507.
- Besserlich, William A., Clintonville, Wis. Variable-speed frictional transmission mechanism. No. 1,116,373; Nov. 10; Gaz. vol. 208; p. 349.
- Besserlich, William A., and B. A. Mosling, Clintonville, Wis. Locking device for differential gears. No. 1,111,728; Sept. 29; Gaz. vol. 206; p. 1168.
- Bessette, Zoltique, Montreal, Quebec, Canada. Paint mixture. No. 1,116,977; Nov. 10; Gaz. vol. 208; p. 566.
- Bessler, Frank E., Akron, Ohio. Movable stairway. No. 1,088,056; Feb. 24; Gaz. vol. 199; p. 1005.
- Bessler, Frank E., assignor to The Bessler Movable Stairway Co., Akron, Ohio. Movable stairway. No. 1,088,960; Mar. 3; Gaz. vol. 200; p. 99.
- Bessler Movable Stairway Co., The. (See Bessler, Frank E., assignor.)
- Bessler Waechter & Company. (See Rouse, Thomas, assignor.)
- Bessolo, William L., McAlester, Okla. Wrench. No. 1,086,127; Feb. 3; Gaz. vol. 199; p. 196.
- Bessom, Earl A., and R. M. Anderson, assignors to Stromberg Motor Devices Company, Chicago, Ill. Carbureter. No. 1,089,105; Mar. 3; Gaz. vol. 200; p. 148.
- Besson, Laurence, widow of the late C. Tixidre, Paris, France. Automatically-lightable cigar and cigarette. No. 1,089,308; Mar. 3; Gaz. vol. 200; p. 216.
- Besson, William M. T., assignor of one-half to H. A. Vaughan, Selma, Ala. Spark-plug. No. 1,100,650; June 16; Gaz. vol. 203; p. 861.
- Besson, William T. M., assignor of one-half to H. A. Vaughan, Selma, Ala. Spark-plug. No. 1,119,674; Dec. 1; Gaz. vol. 209; p. 266.
- Bessonoff, Sergius. (See Nobel and Bessonoff.)
- Best, Charles J., Oakland, Cal. Treating ores. No. 1,084,600; Jan. 20; Gaz. vol. 198; p. 502.
- Best, Clarence L., San Leandro, Cal. Autotractor. No. 1,084,062; Jan. 13; Gaz. vol. 198; p. 296.
- Best, Daniel, San Leandro, Cal. Blue-rock trap. No. 1,093,524; Apr. 14; Gaz. vol. 201; p. 510.
- Best, Ezra, *et al.* (See Best, William N., assignor.)
- Best, Isaac, Manchester, England. Apparatus for cutting the grooves of twist-drills. No. 1,097,839; May 26; Gaz. vol. 202; p. 1039.
- Best, John H., *et al.* (See Best, William N., assignor.)
- Best Stove Company. (See Best, William J., assignor.)
- Best, William J., assignor to Best Stove Company, Detroit, Mich. Broiler. No. 1,093,245; Apr. 14; Gaz. vol. 201; p. 420.
- Best, William M., Warren, Ohio. Tire-shrinking implement. No. 1,097,909; May 26; Gaz. vol. 202; p. 1067.
- Best, William N., New York, N. Y. Heating and melting furnace. No. 1,119,227; Dec. 1; Gaz. vol. 209; p. 114.
- Best, William N., New York, N. Y., assignor of one-third to J. H. Best, one-third to E. Best, Quincy, Ill., and one-third to W. N. Best, Brooklyn, N. Y. Tangential-flame furnace. No. 1,091,475; Mar. 31; Gaz. vol. 200; p. 1123.
- Beste, Mary H. C., Summit, N. J. Purse. No. 1,093,681; Apr. 21; Gaz. vol. 201; p. 608.
- Beswick, David, Philadelphia, Pa. Sad-iron. No. 1,094,634; Apr. 28; Gaz. vol. 201; p. 989.
- Betham, William R., Chicago, Ill. Box. No. 1,090,592; Mar. 17; Gaz. vol. 200; p. 751.
- Bethell, Robert P. (See Stewart and Bethell.)
- Bethenod, Joseph. (See Girardeau, Emile, assignor.)
- Bethenod, Joseph. (See Girardeau and Bethenod.)
- Bethenod, Joseph, Paris, assignor to Société Alsacienne de Constructions Mécaniques, Belfort, France. Means for regulating the speed of asynchronous or induction motors. No. 1,088,517; Feb. 24; Gaz. vol. 199; p. 1159.
- Bethlehem Steel Company. (See Meigs and Stout, assignors.)
- Bethlehem Steel Company. (See Stout and Sullivan, assignors.)
- Bethlehem Steel Company. (See Watson, James A., assignor.)
- Bethlehem Steel Corporation. (See Frear, Hugo P., assignor.)
- Bethune, John G., and F. H. Babcock, Punxsutawney, Pa. Shock-absorber. No. 1,102,858; July 7; Gaz. vol. 204; p. 222.
- Betker, Edward T., assignor to Imperial Heater Company, Kansas City, Mo. Water and gas controller for water-heaters. No. 1,108,321; Aug. 25; Gaz. vol. 205; p. 1098.
- Bett, James R., Lord, Md., assignor to R. B. Bett, Chehalis, Wash. Hat-mirror. No. 1,104,608; July 21; Gaz. vol. 204; p. 916.
- Bett, Robert B. (See Bett, James R., assignor.)
- Betten, Henry L., Alameda, Cal. Track structure. No. 1,101,162; June 23; Gaz. vol. 203; p. 1094.
- Betten, Henry L., Alameda, Cal. Apparatus for withdrawing stumps. No. 1,101,899; June 30; Gaz. vol. 203; p. 1398.
- Betten, Henry L., Alameda, Cal. Monkey-wrench. No. 1,101,900; June 30; Gaz. vol. 203; p. 1399.
- Bettendorf Company, The. (See Clasen, Claus J. W., assignor.)
- Bettendorf Company, The. (See Hamilton, Karl M., assignor.)
- Bettendorf Company, The. (See Taylor, Ralph G., assignor.)
- Bettendorf, J. W., administrator. (See Bettendorf, William P.)
- Bettendorf, William P., deceased, Bettendorf, Iowa; J. W. Bettendorf, administrator. Cushioning device for independently-movable car-bodies. No. 1,084,690; Jan. 20; Gaz. vol. 198; p. 535.
- Bettendorf, William P., deceased, Bettendorf, Iowa; J. W. Bettendorf, administrator. Means for cushioning the bodies of railway-cars. No. 1,091,183; Mar. 24; Gaz. vol. 200; p. 984.
- Bettendorf, William P., deceased; J. W. Bettendorf, administrator, Bettendorf, Iowa. Annealing-furnace. No. 1,091,184; Mar. 24; Gaz. vol. 200; p. 984.
- Bettman, Adalbert G., Portland, Oreg. Sanitary sugar holder and dispenser. No. 1,084,530; Jan. 13; Gaz. vol. 198; p. 449.
- Betts, Benjamin B., St. Louis, Mo. Rail-anchor. No. 1,108,121; Aug. 25; Gaz. vol. 205; p. 1027.
- Betts, Benjamin B., St. Louis, Mo. Baggage-measuring device. No. 1,119,058; Dec. 1; Gaz. vol. 209; p. 57.
- Betts, Edgar H., assignor to Earl & Wilson, Troy, N. Y. Collar-supporting device for show-cases. No. 1,120,122; Dec. 8; Gaz. vol. 209; p. 456.
- Betty, John, Los Angeles, Cal. Automatic door for stalls. No. 1,116,220; Nov. 3; Gaz. vol. 208; p. 258.
- Betz, Frederick M., Hamilton, assignor to The Ohio Machinery Manufacturing Company, Cincinnati, Ohio. Pressing-machine. No. 1,089,385; Mar. 3; Gaz. vol. 200; p. 241.
- Baugler, Edwin F., assignor to E. & B. Holmes Machinery Company, Buffalo, N. Y. Bung-boring and bush-setting machine. No. 1,092,515; Apr. 7; Gaz. vol. 201; p. 136.
- Baugler, Edwin F., assignor to E. & B. Holmes Machinery Co., Buffalo, N. Y. Barrel-heading-up machine. No. 1,101,391; June 23; Gaz. vol. 203; p. 1172.
- Baugler, Edwin F., assignor to E. & B. Holmes Machinery Co., Buffalo, N. Y. Stave-jointing machine. No. 1,105,609; Aug. 4; Gaz. vol. 205; p. 7.
- Baugler, Edwin F., assignor to E. & B. Holmes Machinery Company, Buffalo, N. Y. Heading-press. No. 1,111,559; Sept. 22; Gaz. vol. 206; p. 1075.
- Baugler, Frank R., assignor, by mesne assignments, to G. C. Lee, Jr., and H. M. Underwood, Binghamton, N. Y. Box-supporting flush plate. No. 1,113,092; Oct. 6; Gaz. vol. 207; p. 234.
- Beugless, Mary L., Burlington, N. J. Boiler-cover. No. 1,121,893; Dec. 22; Gaz. vol. 209; p. 1163.
- Beuhne, Frederick R., Tooborac, Victoria, Australia, assignor to The A. I. Root Company, Medina, Ohio. Apparatus for separating wax and honey of honeycomb. (Reissue.) No. 13,674; Jan. 13; Gaz. vol. 198; p. 475.
- Beulke, Herman, assignor to American Car and Ship Hardware Manufacturing Company, New Castle, Pa. Adjustable holdback for crucibles. No. 1,098,470; June 2; Gaz. vol. 203; p. 39.
- Beulke, Herman, assignor to American Car and Ship Hardware Manufacturing Company, New Castle, Pa. Oil-separator. No. 1,117,547; Nov. 17; Gaz. vol. 208; p. 804.
- Beutel, Werner, Bridgeport, Conn. Automatic train-stop. No. 1,110,739; Sept. 15; Gaz. vol. 206; p. 748.
- Beutler, Gustav, Berlin, assignor to Berliner Special-Maschinen-Industrie Victor Sternberg, Berlin, Germany. Machine for printing price-cards, labels, tickets, tags, and the like. No. 1,115,380; Oct. 27; Gaz. vol. 207; p. 1174.
- Beuttl, Alfred W., New York, N. Y. Illuminating device. No. 1,107,649; Aug. 18; Gaz. vol. 205; p. 816.
- Beuttl, Alfred W., New York, N. Y. Incandescent lamp. No. 1,107,650; Aug. 18; Gaz. vol. 205; p. 816.
- Beuttl, Alfred W., London, and J. A. Manners-Smith, Haslemere, England. Stage-lighting device. No. 1,107,651; Aug. 18; Gaz. vol. 205; p. 816.
- Bevan, Alexander, Providence, R. I. Trolley-switch. No. 1,092,891; Apr. 14; Gaz. vol. 201; p. 298.
- Bever, John P., Allerton, Ill. Marker. No. 1,115,381; Oct. 27; Gaz. vol. 207; p. 1175.
- Beverley, Albert. (See Buena and Beverley.)
- Beverly, James A., Topeka, Kans. Rat-trap. No. 1,105,874; Aug. 4; Gaz. vol. 205; p. 101.

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- Beyier, Philip H., New York, N. Y. Hollow-tile arch. No. 1,091,794; Mar. 31; Gaz. vol. 200; p. 1235.
- Beyier, Philip H., New York, N. Y. Fireproof arch. No. 1,112,756; Oct. 6; Gaz. vol. 207; p. 123.
- Beyier, Philip H., New York, N. Y. Hollow-tile wall. No. 1,112,757; Oct. 6; Gaz. vol. 207; p. 123.
- Beyill, Cheves, Waldron, Ark. Incubator. No. 1,085,527; Jan. 27; Gaz. vol. 198; p. 854.
- Bevin, Sydney. (See Schaff, Benjamin H., assignor.)
- Beyer, Albert, Coleman, Tex. Adjustable tongs. No. 1,105,875; Aug. 4; Gaz. vol. 205; p. 101.
- Beyer, Albert, Coleman, Tex. Fish-catching apparatus. No. 1,122,466; Dec. 29; Gaz. vol. 209; p. 1397.
- Beyer, Alois, Chicago, Ill. Straight-line time-stamp. No. 1,087,102; Feb. 17; Gaz. vol. 199; p. 625.
- Beyer, Charles E. (See Hobson and Beyer.)
- Beymer, Ruby A., Columbia, S. C. Cinder-deflector. No. 1,092,516; Apr. 7; Gaz. vol. 201; p. 136.
- Beyschlag, Ludwig F., Sandau, near Leipz., Austria-Hungary. Hulling-machine for corn. No. 1,116,221; Nov. 3; Gaz. vol. 208; p. 258.
- Bhisey, Shanker A., London, England. Type casting and distributing apparatus. No. 1,122,676; Dec. 29; Gaz. vol. 209; p. 1472.
- Bhisey, Shanker A., London, England. Apparatus for conveying and distributing type. No. 1,122,677; Dec. 29; Gaz. vol. 209; p. 1472.
- Blanchi y Reche, Fernando, Madrid, Spain. Office-desk. No. 1,118,803; Nov. 24; Gaz. vol. 208; p. 1282.
- Blava, Louis, New York, N. Y., assignor to National Musical String Company, New Brunswick, N. J. Machine for making wire strings for pianos and other musical instruments. No. 1,102,233; July 7; Gaz. vol. 204; p. 5.
- Bibeault, Philippe, Woonsocket, R. I. Ball-game apparatus. No. 1,118,727; Nov. 24; Gaz. vol. 208; p. 1258.
- Bible, Adam C. (See Knott and Bible.)
- Bible, William F., Jr., Greenville, Tenn. Stirrup. No. 1,113,093; Oct. 6; Gaz. vol. 207; p. 234.
- Bibow, Paul F., et al. (See Luther, Otto C., assignor.)
- Bibra, Wolfgang von. (See Jürgens, Johann, assignor.)
- Bicalky, Charles H., Buffalo, N. Y. Air purifying and cooling apparatus. No. 1,088,318; Feb. 24; Gaz. vol. 199; p. 1094.
- Bicalky, Charles H., Buffalo, N. Y. Ventilator. No. 1,112,251; Sept. 29; Gaz. vol. 206; p. 1352.
- Bicheroux, Lambotte and Cie., Gesellschaft mit beschränkter Haftung. (See Bicheroux, Max, assignor.)
- Bicheroux, Max, assignor to Herzogenrather Spiegelglas- und Spiegel-Fabrik Bicheroux, Lambotte & Cie., Gesellschaft mit beschränkter Haftung, Herzogenrath, Germany. Manufacturing raw plate-glass. No. 1,090,904; Mar. 24; Gaz. vol. 200; p. 886.
- Bicheroux, Max, assignor to Bicheroux, Lambotte and Cie., Gesellschaft mit beschränkter Haftung, Herzogenrath, Germany. Apparatus for the manufacture of raw plate-glass. No. 1,101,392; June 23; Gaz. vol. 203; p. 1173.
- Bicheroux, Max, Aix-la-Chapelle, assignor to Bicheroux, Lambotte and Cie., Gesellschaft mit beschränkter Haftung, Herzogenrath, Rheinland, Germany. Apparatus for cutting plate-glass. No. 1,105,610; Aug. 4; Gaz. vol. 205; p. 8.
- Bicheroux, Max, assignor to Bicheroux, Lambotte and Cie., Gesellschaft mit beschränkter Haftung, Herzogenrath, Germany. Method of and apparatus for cutting plate-glass. No. 1,114,098; Oct. 20; Gaz. vol. 207; p. 671.
- Bichler, Leopold, Innsbruck, Austria-Hungary. Refrigerating liquids. No. 1,088,518; Feb. 24; Gaz. vol. 199; p. 1159.
- Bickford, Edward H., Toronto, Ontario, Canada. Motor-car-heating device. No. 1,114,438; Oct. 20; Gaz. vol. 207; p. 794.
- Bickford, Frank H., Kingston, assignor to The Adder Machine Company, Wilkes-Barre, Pa. Clearing mechanism for calculating-machines. No. 1,086,580; Feb. 10; Gaz. vol. 199; p. 396.
- Bickford, Frank H., Muncie, Ind., assignor to The Adder Machine Company, Wilkes-Barre, Pa. Printing mechanism. No. 1,112,516; Oct. 6; Gaz. vol. 207; p. 36.
- Bickford, George H., Hardwick, Vt. Stone-saw apparatus. No. 1,097,747; May 26; Gaz. vol. 202; p. 1008.
- Bickford, Henry R., Monterey, Cal. Pressure-regulating device. No. 1,103,474; July 14; Gaz. vol. 204; p. 481.
- Bickford, James A. (See Wall, Charles M., assignor.)
- Bickford, John D., Cleveland, Ohio. Building-molds. No. 1,101,246; June 23; Gaz. vol. 203; p. 1123.
- Bickford, Samuel M., Curwensville, Pa. Truck. No. 1,095,785; May 5; Gaz. vol. 202; p. 209.
- Bickhart, Grabill J., Hilbert, Wis. Elevator-head. No. 1,107,882; Aug. 18; Gaz. vol. 205; p. 896.
- Bickley, Everett H., assignor to Motograph Company of America, Detroit, Mich. Perforating-machine. No. 1,109,565; Sept. 1; Gaz. vol. 206; p. 247.
- Bicknell, Richard S., New York, N. Y. Electric furnace. No. 1,093,968; Apr. 21; Gaz. vol. 201; p. 702.
- Bidder, Fritz von. (See Kugelgen, Bidder, and Seward.)
- Biddle, George C., and E. R. Buys, Akron, Ohio. Core. No. 1,116,550; Nov. 10; Gaz. vol. 208; p. 414.
- Biddle, George L., McKeesport, Pa. Automatic water-supply for cooking utensils. No. 1,083,723; Jan. 6; Gaz. vol. 198; p. 155.
- Biddle, William E., et al. (See Miller, William, assignor.)
- Bidinger, Charles A., Woodstock, Md. Track-wrench. No. 1,097,288; May 19; Gaz. vol. 202; p. 805.
- Bidlake, Joshua, Victoria, British Columbia, Canada. Gang-plank. No. 1,106,074; Aug. 4; Gaz. vol. 205; p. 171.
- Bidle, William S., and J. A. Costello, Cleveland, Ohio. Nut-blank. No. 1,101,677; June 30; Gaz. vol. 203; p. 1323.
- Bidle, William S., and J. A. Costello, assignors to Cleveland Car Specialty Company, Cleveland, Ohio. Car-roof frame. No. 1,084,128; Jan. 13; Gaz. vol. 198; p. 319.
- Bidtel, Ernst, Golconda, Ill., assignor to M. Eysell, St. Louis, Mo. Purifying fluorspar. No. 1,091,795; Mar. 31; Gaz. vol. 200; p. 1235.
- Biebinger, David A., Moline, Ill., assignor to La Crosse Plow Company, La Crosse, Wis. Planter. No. 1,107,249; Aug. 18; Gaz. vol. 205; p. 672.
- Biegel, Albert G., Denver, Colo. Lens-cutting instrument. No. 1,122,247; Dec. 29; Gaz. vol. 209; p. 1355.
- Bieger, Charles, Chicago, Ill. Beer-cooler. No. 1,088,763; Mar. 3; Gaz. vol. 200; p. 30.
- Biela, Valentine. (See Johnson, Tom L., assignor.)
- Bielefelder Maschinenfabrik vormals Durkopp & Co. Bielefeld. (See Sandt, Max, assignor.)
- Bienhoff, Ehme H., Kensington, Kans. Well-casing. No. 1,110,284; Sept. 8; Gaz. vol. 206; p. 548.
- Bieniek, John G., Chicago, Ill. Racking-machine. No. 1,098,659; June 2; Gaz. vol. 203; p. 103.
- Bienvenu, George L., New Orleans, La. Artificial tooth. No. 1,112,252; Sept. 29; Gaz. vol. 206; p. 1352.
- Bierce, Fred N., assignor of one-half to S. S. Einstein, Cincinnati, Ohio. Cable-splice. No. 1,097,289; May 19; Gaz. vol. 202; p. 805.
- Bierer, John M., Front Royal, Va., assignor, by mesne assignments, to The A. F. Ward Machinery Co. Dough-dividing machine. No. 1,098,552; June 2; Gaz. vol. 203; p. 69.
- Biernat, Joseph A., Buffalo, N. Y. Pressing-board. No. 1,116,222; Nov. 3; Gaz. vol. 208; p. 258.
- Biery, William, and A. Beaucoudray, Covington, La. Rail tie and fastener. No. 1,088,680; Mar. 3; Gaz. vol. 200; p. 3.
- Biesmeyer, Lorenz F., Bonnots Mill, Mo. Crank and lever mechanism for vegetable-cutters. No. 1,119,792; Dec. 8; Gaz. vol. 209; p. 342.
- Biewend, Hans. (See Goldschmidt and Biewend.)
- Bigbie, Louis C., Edison, Ga. Swingletree. No. 1,114,099; Oct. 20; Gaz. vol. 207; p. 672.
- Bigelow, Edward M., Lincoln, Nebr. Clothes-pounder. No. 1,093,969; Apr. 21; Gaz. vol. 201; p. 702.
- Bigelow, John, Minneapolis, Minn., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine cutting mechanism. No. 1,117,160; Nov. 17; Gaz. vol. 208; p. 667.
- Bigelow, John E., Pana, Ill. Mouse-trap. No. 1,121,787; Dec. 22; Gaz. vol. 209; p. 1124.
- Biggar, Leroy A., Oneida, N. Y. Pulley. No. 1,120,590; Dec. 8; Gaz. vol. 209; p. 623.
- Bigger, Bernard E., Fonda, Iowa. Seed-corn stringer. No. 1,112,207; Sept. 22; Gaz. vol. 206; p. 955.
- Biggerstaff, John M., administrator. (See Chamberlin, John H.)
- Biggs, Jesse T., Cleveland, Ohio. Sugar-cane harvester. No. 1,101,393; June 23; Gaz. vol. 203; p. 1173.
- Biggs, Thomas J., Oak Creek, Colo. Rotary engine. No. 1,111,053; Sept. 22; Gaz. vol. 206; p. 901.
- Bigham, James O., Blythe, Tex. Lister plow and planter. No. 1,088,121; Feb. 24; Gaz. vol. 199; p. 1027.
- Bigham, Neal J., Detroit, Mich. Conduit-wiring device. No. 1,107,250; Aug. 18; Gaz. vol. 205; p. 673.
- Bighetti, Adelino, assignor to J. P. Tebyrica, San Paulo, Brazil. Separator. No. 1,085,528; Jan. 27; Gaz. vol. 198; p. 855.
- Bignell, Alfred S., Bergerville, Quebec, Canada. Electric attachment for carbureters. No. 1,109,735; Sept. 8; Gaz. vol. 206; p. 352.
- Bignell, Edward, Lincoln, Nebr. Means for forming underground footings for piles and caissons. No. 1,084,063; Jan. 13; Gaz. vol. 198; p. 296.
- Bignell, Edward, Lincoln, assignor of two-fifths to H. T. Jones, Seward, Nebr. Nozzle for piles and caissons. No. 1,089,525; Mar. 10; Gaz. vol. 200; p. 341.
- Bigney, Sidney O., assignor to Sidney Suspender Company, Attleboro, Mass. Elastic connecting device. No. 1,091,476; Mar. 31; Gaz. vol. 200; p. 1123.
- Bihon, József, Coal Center, Pa. Life-boat. No. 1,116,223; Nov. 3; Gaz. vol. 208; p. 259.
- Bijur, Joseph, assignor to Bijur Motor Lighting Company, New York, N. Y. Engine-starting apparatus. No. 1,095,696; May 5; Gaz. vol. 202; p. 179.
- Bijur, Joseph, New York, N. Y., assignor to Bijur Motor Lighting Company, Hoboken, N. J. Battery connection. No. 1,108,883; Sept. 1; Gaz. vol. 206; p. 7.
- Bijur Motor Lighting Company. (See Bijur, Joseph, assignor.)

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- Bilbie, Joe, Matewan, W. Va. Guy-rope anchor. No. 1,113,869; Oct. 13; Gaz. vol. 207; p. 552.
- Bilbrough, William H., Elmira Heights, N. Y. Union suit. No. 1,103,255; July 14; Gaz. vol. 204; p. 408.
- Bilbrough, William H., Elmira, N. Y. Union suit. No. 1,120,892; Dec. 15; Gaz. vol. 209; p. 777.
- Bildir, Gust, Dayton, Ohio. Machine for cleaning windows and walls. No. 1,119,339; Dec. 1; Gaz. vol. 209; p. 151.
- Bill Deezy Company. (See Hopkins, Alfred, assignor.)
- Bille, Harald, assignor to Creed, Bille & Co., Ltd., Croydon, England. Automatic transmitter for telegraphic signals. No. 1,098,084; May 26; Gaz. vol. 202; p. 1127.
- Billerman, William G., Cleveland, Ohio. Annunciator or station-indicator for cars. No. 1,086,581; Feb. 10; Gaz. vol. 199; p. 396.
- Billet, Jean J. A., St. Dié, France. Automatic change-speed gearing. No. 1,120,591; Dec. 8; Gaz. vol. 209; p. 624.
- Billhorn, Fredrick, Mendota, Ill. Agricultural implement. No. 1,086,015; Feb. 3; Gaz. vol. 199; p. 156.
- Billig, James K., Reading, Pa. Can. No. 1,090,678; Mar. 17; Gaz. vol. 200; p. 779.
- Billingham, Joseph, and C. F. Kahler, Schenectady, N. Y. Drifting-valve for locomotives. No. 1,112,109; Sept. 29; Gaz. vol. 206; p. 1301.
- Billingham, Joseph, and C. F. Kahler, Schenectady, N. Y. Vacuum piston mechanism for locomotive drifting-valves. No. 1,116,374; Nov. 10; Gaz. vol. 208; p. 350.
- Billings, Cecil, Coldwater, Kans. Combination glove and mitten. No. 1,113,870; Oct. 13; Gaz. vol. 207; p. 552.
- Billings, Edward J., assignor to Arthur D. Little, Incorporated, Boston, Mass. Gas-analysis apparatus. No. 1,089,390; Mar. 10; Gaz. vol. 200; p. 290.
- Billings, Frank, Cleveland, Ohio. Mining and loading apparatus. No. 1,095,786; May 5; Gaz. vol. 202; p. 209.
- Billings, Frederick I. (See Gerding and Billings.)
- Billings, Walter H., Arlington, assignor to Milton Chemical Company, Cambridge, Mass. Dust-mop. No. 1,096,488; May 12; Gaz. vol. 202; p. 484.
- Billings, William J., and M. P. Caffé, New York, N. Y. Collapsible outlet-box. No. 1,109,391; Sept. 1; Gaz. vol. 206; p. 191.
- Billington, Charles, and R. F. Gibbs, Attleboro, assignors to The O. M. Draper Co., North Attleboro, Mass. Joint for bracelets. No. 1,107,132; Aug. 11; Gaz. vol. 205; p. 581.
- Billington, John E. (See Pearce and Billington.)
- Billman, Henry E., and L. R. Mann, St. Louis, Mo. Switch-stand. No. 1,120,364; Dec. 8; Gaz. vol. 209; p. 543.
- Billman, Henry E., and L. R. Mann, St. Louis, Mo. Switch-stand. No. 1,120,365; Dec. 8; Gaz. vol. 209; p. 543.
- Bills, John F., Casper, Wyo. Floor-surfacing machine. No. 1,112,253; Sept. 29; Gaz. vol. 206; p. 1352.
- Billups, Joseph E., Kellyton, Ala. Dust-cap. No. 1,090,376; Mar. 17; Gaz. vol. 200; p. 674.
- Billups, Warren B. (See Dance and Billups.)
- Bilodeau, Joseph A. (See Lachance, Joseph, assignor.)
- Bilson, Christian P., Chicago, Ill. Hand implement. No. 1,104,470; July 21; Gaz. vol. 204; p. 867.
- Bilton, Ernest C., New York, N. Y. Composition of matters for cleaning. No. 1,117,767; Nov. 17; Gaz. vol. 208; p. 884.
- Biltz, Henri W., Kansas City, Mo. Attachment for mailing-machines. No. 1,110,666; Sept. 15; Gaz. vol. 206; p. 724.
- Bilyeu, Thomas, Portland, Oreg. Coin-delivering machine. No. 1,114,574; Oct. 20; Gaz. vol. 207; p. 840.
- Bilyeu, William F., Riverton, N. J., assignor to Warren Webster & Company. Distributor for supply-water to feed-water heaters. No. 1,105,242; July 28; Gaz. vol. 204; p. 1185.
- Binard, William J. (See Mathey and Binard.)
- Binder, John G., Jr., and H. K. King, Philadelphia, Pa. assignors to Chambers Brothers Company. Folding-machine. No. 1,084,246; Jan. 13; Gaz. vol. 198; p. 359.
- Bindley, Albion, and C. J. Mogan, Charleroi, assignors to Pittsburgh Steel Products Company, Pittsburgh, Pa. Collapsible spiral reinforcement for concrete columns. No. 1,115,490; Nov. 3; Gaz. vol. 208; p. 8.
- Bindley, Albion, and C. J. Mogan, Charleroi, assignors to Pittsburgh Steel Products Company, Pittsburgh, Pa. Collapsible reinforcement for concrete columns. No. 1,115,491; Nov. 3; Gaz. vol. 208; p. 9.
- Bines, Robert, *et al.*, trustees. (See Willson, David H., assignor.)
- Bines, William H., assignor of one-half to A. J. Baggs, Barnesville, Ohio. Mine-car wheel. No. 1,088,519; Feb. 24; Gaz. vol. 199; p. 1160.
- Bines, William H., assignor of one-half to A. J. Baggs, Barnesville, Ohio. Self-oiling mine-car wheel and axle. No. 1,091,796; Mar. 31; Gaz. vol. 200; p. 1235.
- Binette, Arthur, and J. Petro, Waterbury, Conn. Fire-starter. No. 1,120,366; Dec. 8; Gaz. vol. 209; p. 544.
- Bingham, Alvah L., assignor to Ball Brothers Glass Manufacturing Company, Muncie, Ind. Glass-handling mechanism. No. 1,100,345; June 16; Gaz. vol. 203; p. 759.
- Bingham, Arthur, and W. Pratt, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Nail-distributing machine. No. 1,119,793; Dec. 8; Gaz. vol. 209; p. 342.
- Bingham, George W., Shelburne Falls, Mass., assignor to The Bingham Manufacturing Company. Moving-picture machine. No. 1,119,489; Dec. 1; Gaz. vol. 209; p. 203.
- Bingham Manufacturing Company, The. (See Bingham, George W., assignor.)
- Bingham, Robert L., Midland, Tex. Tool for building and repairing wire fences. No. 1,106,771; Aug. 11; Gaz. vol. 205; p. 458.
- Binghamton Washing Machine Co., The. (See Wearne, Richard L., assignor.)
- Bingley, John W., Watertown, N. Y., assignor to New York Air Brake Company. Air-brake apparatus. No. 1,118,886; Nov. 24; Gaz. vol. 208; p. 1310.
- Binkley, Harry F., assignor of one-half to G. E. Cyphers, Sidney, Ohio. Mechanism for simultaneously adjusting the wheels and brush of a vacuum carpet-cleaner. No. 1,119,393; Dec. 1; Gaz. vol. 209; p. 171.
- Binkley, William R., New Bedford, Mass., assignor of one-half to E. E. Clement, Washington, D. C. Automatic telephone-exchange system. No. 1,093,525; Apr. 14; Gaz. vol. 201; p. 511.
- Binkley, William R., New Bedford, Mass., assignor, by mesne assignments, to Western Electric Company, Chicago, Ill. Automatic electric exchange system. (Re-issue.) No. 13,802; Sept. 22; Gaz. vol. 206; p. 1134.
- Binko, Leonora, London, England. Drawing appliance. No. 1,102,974; July 7; Gaz. vol. 204; p. 260.
- Binks, Charles and H., Eccles, near Manchester, England. Carbureter. No. 1,122,571; Dec. 29; Gaz. vol. 209; p. 1433.
- Binks, Harold. (See Binks, Charles and H.)
- Binns, Arthur E., South Windham, Conn. Gas-turbine engine. No. 1,099,335; June 9; Gaz. vol. 203; p. 375.
- Binns, Arthur E., Norwich, Conn. Suction apparatus for paper-machines. No. 1,113,534; Oct. 13; Gaz. vol. 207; p. 437.
- Binns, Edward H., Pittsburgh, Pa. Automobile-body. No. 1,086,128; Feb. 3; Gaz. vol. 199; p. 196.
- Binswanger, Max, assignor to New Columbia Shirt Company, New York, N. Y. Reversible cuff. No. 1,097,517; May 19; Gaz. vol. 202; p. 882.
- Bippart, Achill, Newark, N. J. Cigar-cutter. No. 1,096,219; May 12; Gaz. vol. 202; p. 391.
- Birch, Albert, and W. Hamer, assignors to Dobson and Barlow Limited, Bolton, England. Mechanism for evening fibrous slivers. No. 1,111,290; Sept. 22; Gaz. vol. 206; p. 982.
- Birch, Frank B., Philadelphia, Pa. Packing for journal-boxes. No. 1,103,025; July 14; Gaz. vol. 204; p. 327.
- Birch, Gustaf. (See Birchland and Birch.)
- Birch, Gustaf B. (See Cameron and Birch.)
- Birch, John H. (See Birch, John H. and J. H.)
- Birch, John H. and J. H., assignors to Greenstreet Folding Box Machine Company, Crawfordsville, Ind. Wire-bound-box machine. No. 1,107,192; Aug. 11; Gaz. vol. 205; p. 604.
- Birch, Thomas N., Kansas City, Mo. Circuit-controlling lock. No. 1,088,648; Feb. 24; Gaz. vol. 199; p. 1201.
- Birch, William T., Chicago, Ill. Pump-valve. No. 1,090,775; Mar. 17; Gaz. vol. 200; p. 809.
- Birchbauer, Ferdinand, Baltimore, Md. Plumb-bob. No. 1,090,015; Mar. 10; Gaz. vol. 200; p. 508.
- Birchland, Fredrik, and G. Birch, Brooklyn, N. Y. Device or mechanism for drilling square or irregular holes. No. 1,113,949; Oct. 20; Gaz. vol. 207; p. 619.
- Bird, Charles C. (See Wilson, Frank G., assignor.)
- Bird, Charles S., Walpole, Mass. Composite waterproof shingle. No. 1,108,884; Sept. 1; Gaz. vol. 206; p. 7.
- Bird, Charles S., and G. R. Wyman, Walpole, Mass.; said Wyman assignor to said Bird. Tube-forming strip. No. 1,101,990; June 30; Gaz. vol. 203; p. 1433.
- Bird, Frank G., Springfield, Mass. Dough-raising machine. No. 1,092,089; Mar. 31; Gaz. vol. 200; p. 1334.
- Bird, Isaac, Barnesville, Minn. Vehicle-wheel. No. 1,108,683; Aug. 25; Gaz. vol. 205; p. 1221.
- Bird, John. (See Burgess, John, assignor.)
- Bird, John. (See Lamb, Elden P., assignor.)
- Bird, John M., Fort Worth, Tex. Valve. No. 1,103,475; July 14; Gaz. vol. 204; p. 481.
- Bird, Willis A., Headland, Ala. Seed-planter. No. 1,093,376; Apr. 14; Gaz. vol. 201; p. 465.
- Birdsell, Harold R., Toledo, Ohio. Calendar. No. 1,107,251; Aug. 18; Gaz. vol. 205; p. 673.
- Birdsey, Charles R., and C. F. Henning, assignors to The United States Gypsum Company, Chicago, Ill. Plaster-block-molding machine. No. 1,116,669; Nov. 10; Gaz. vol. 208; p. 458.
- Birdsey Somers Company. (See Roth, Isidor, assignor.)
- Birdsong, John L. (See Studebaker, Enoch H., assignor.)
- Birge, Arthur B. (See Brown, Walter, assignor.)
- Birge, Harry C., *et al.* (See Price, Corwin T., assignor.)
- Birk, August T. (See Cooper, Lyman M., assignor.)
- Birkeland, Kristian, Christiania, Norway. Treating sulfid ores and other metallic sulfids. No. 1,121,606; Dec. 22; Gaz. vol. 209; p. 1061.

Alphabetical list of patentees—Continued.

- Birkenbeuel, Edward B., assignor to Coin Machine Manufacturing Company, Portland, Oreg. Change-making machine. No. 1,116,375; Nov. 10; Gaz. vol. 208; p. 350.
- Birkner, Gustav, Malente-Greismühlen, Germany. Apparatus for facilitating the starting of vehicles and velocipedes. No. 1,112,758; Oct. 6; Gaz. vol. 207; p. 124.
- Birmingham, George F., Kansas City, Mo. Life-saving apparatus. No. 1,091,909; Mar. 31; Gaz. vol. 200; p. 1274.
- Birmingham Metal & Munitions Company Limited. (See Barker, John H., assignor.)
- Birnback, George. (See Meister and Birnback.)
- Birnbaum, Henry, Rapid City, S. D. Nozzle. No. 1,093,907; Apr. 21; Gaz. vol. 201; p. 683.
- Birnie, Earl. (See Simpson and Birnie.)
- Birnie, John, Jr., Birnie, Manitoba, Canada. Mail-bag catcher. No. 1,113,299; Oct. 13; Gaz. vol. 207; p. 352.
- Birnie, John, Jr., Birnie, Manitoba, Canada. Mail-bag-supporting arm. No. 1,113,300; Oct. 13; Gaz. vol. 207; p. 352.
- Birnie, John, Jr., Birnie, Manitoba, Canada. Mail-bag catcher. No. 1,113,301; Oct. 13; Gaz. vol. 207; p. 352.
- Biro, Julius E., Fairchance, Pa. Fender. No. 1,103,392; July 14; Gaz. vol. 204; p. 452.
- Birsfield, Jules A., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Relay. No. 1,088,870; Mar. 3; Gaz. vol. 200; p. 67.
- Bisbach, John F., assignor to A. Brinkmann, Platteville, Wis. Scaffold. No. 1,115,775; Nov. 3; Gaz. vol. 208; p. 104.
- Bisbee, Leroy S., West Sumner, Me. Machine for separating and feeding spool-blanks, &c. No. 1,120,893; Dec. 15; Gaz. vol. 209; p. 778.
- Bisbee, Robert A., Central Park, N. Y. Amusement device. No. 1,114,958; Oct. 27; Gaz. vol. 207; p. 1028.
- Bisbing, Harry L., Clermont, Iowa. End-gate. No. 1,110,740; Sept. 15; Gaz. vol. 206; p. 749.
- Bischof, George F., Rochester, Pa. Bifuel carbureter. No. 1,085,239; Jan. 27; Gaz. vol. 198; p. 758.
- Bischof, Julius L. (See Otrich and Bischof.)
- Bischoff, William A., St. Louis, Mo. Signaling device. No. 1,113,187; Oct. 13; Gaz. vol. 207; p. 310.
- Bisdorf, Wilhelm, assignor to Firm of A. W. Nagel, Barmen, Germany. Lace-making machine. No. 1,098,217; May 26; Gaz. vol. 202; p. 1172.
- Bisesi, Joseph, Martinsville, Ind. Trolley-wheel mounting. No. 1,109,104; Sept. 1; Gaz. vol. 206; p. 87.
- Bish, Glenn E., Hobart, Okla. Skirt-hanger for cabinets. No. 1,095,073; Apr. 28; Gaz. vol. 201; p. 1142.
- Bish, Peter, *et al.* (See Uffelmann, George J., assignor.)
- Bishop, Andrew J., St. Paul, Minn. Composition of matter for filling tires. No. 1,099,336; June 9; Gaz. vol. 203; p. 376.
- Bishop - Babcock - Becker Company, The. (See Schutt, Theodore H., assignor.)
- Bishop & Babcock Company, The. (See Kintzele, Julius H., assignor.)
- Bishop, Clarence A., New York, N. Y. Calculating apparatus. No. 1,094,514; Apr. 28; Gaz. vol. 201; p. 945.
- Bishop, Columbus H., El Reno, Okla. Car-gear equipment. No. 1,110,871; Sept. 15; Gaz. vol. 206; p. 796.
- Bishop, Ernest B., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,120,676; Dec. 15; Gaz. vol. 209; p. 701.
- Bishop, Frank C., Springfield, Ill. Radiator. No. 1,116,551; Nov. 10; Gaz. vol. 208; p. 414.
- Bishop, Fred A., *et al.* (See Beem, Carlton E., assignor.)
- Bishop, Fred W., assignor to The Holland Trolley Supply Company, Cleveland, Ohio. Trolley-stand. No. 1,118,100; Nov. 24; Gaz. vol. 208; p. 1038.
- Bishop, Homer F., Lima, Ohio. Drawer-support. No. 1,095,619; May 5; Gaz. vol. 202; p. 152.
- Bishop, Myron H., Springfield, Mass. Display-rack for brushes. No. 1,111,989; Sept. 29; Gaz. vol. 206; p. 1260.
- Bishop, Norman D., Los Angeles, Cal., assignor to California Trading Company. Adjustable compartment for beds. No. 1,113,871; Oct. 13; Gaz. vol. 207; p. 553.
- Bishop, Storrs M., Schenectady, N. Y. Power-shovel. No. 1,100,864; June 23; Gaz. vol. 203; p. 990.
- Bishop, Storrs M., Schenectady, N. Y. Power-shovel. No. 1,103,476; July 14; Gaz. vol. 204; p. 482.
- Bishop, Willard A., Sandusky, Ohio. Copying-camera. No. 1,120,014; Dec. 8; Gaz. vol. 209; p. 419.
- Bishopric, George F., Ottawa, Ontario, Canada. Roof or wall covering. No. 1,088,803; Mar. 3; Gaz. vol. 200; p. 44.
- Bishton, George A., Cedar Rapids, Iowa. Grounding device. No. 1,092,009; Mar. 31; Gaz. vol. 200; p. 1306.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electrical coupling. No. 1,107,401; Aug. 18; Gaz. vol. 205; p. 727.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Lamp-shade holder. No. 1,115,050; Oct. 27; Gaz. vol. 207; p. 1061.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Motor-starting switch. No. 1,116,552; Nov. 10; Gaz. vol. 208; p. 414.
- Bissell, Carl H., and A. E. Vieau, assignors to Crouse-Hinds Company, Syracuse, N. Y. Signal-lamp. No. 1,117,768; Nov. 17; Gaz. vol. 208; p. 884.
- Bissell, Elizabeth, Dorchester, assignor to Dennison Manufacturing Company, Boston, Mass. Color-picture and making the same. No. 1,088,396; Feb. 24; Gaz. vol. 199; p. 1120.
- Bissell, Frederick E., and P. K. Karberg, assignors to H. B. Glover Company, Dubuque, Iowa. Combination sleeping-robe. No. 1,112,759; Oct. 6; Gaz. vol. 207; p. 124.
- Bissell, Joseph E., Pittsburgh, Pa. Aeroplane. No. 1,112,110; Sept. 29; Gaz. vol. 206; p. 1301.
- Bissell, Joseph E., Pittsburgh, Pa. Internal-combustion engine. No. 1,119,228; Dec. 1; Gaz. vol. 209; p. 114.
- Bissell, Walter. (See Gossweiler, Michael F., assignor.)
- Bissen, Edward B. (See Bissen, Paul and E. B.)
- Bissen, Paul and E. B., Brownsville, Minn. Well-pipe lifter. No. 1,094,113; Apr. 21; Gaz. vol. 201; p. 751.
- Bissett, Caleb, Teague, Tex. Fish-line bob. No. 1,122,359; Dec. 29; Gaz. vol. 209; p. 1361.
- Bissett, Harry L., *et al.* (See Christman, Matthias, assignor.)
- Bissett, John H., Dorchester, assignor of one-half to A. H. Colby, Melrose, Mass. Adjustable window-shade fixture. No. 1,087,077; Feb. 10; Gaz. vol. 199; p. 564.
- Bisson, Elmer L., Berwyn, Ill. Vibrator. No. 1,096,092; May 12; Gaz. vol. 202; p. 348.
- Bistline, John A., and J. P. Jones, Logan, Utah. Hay-rake. No. 1,109,897; Sept. 8; Gaz. vol. 206; p. 409.
- Bitler, Cornelia, Frederick, Kans. Hat-box. No. 1,109,392; Sept. 1; Gaz. vol. 206; p. 191.
- Bittman, Walter H., Philadelphia, Pa. Dental handpiece-mirror. No. 1,086,887; Feb. 10; Gaz. vol. 199; p. 503.
- Bittner, Charles, Stafford, Kans. Hardening and welding copper. No. 1,122,062; Dec. 22; Gaz. vol. 209; p. 1223.
- Bittner, David, Jr., St. Louis, Mo. Weed-extractor. No. 1,092,818; Apr. 14; Gaz. vol. 201; p. 274.
- Bittorf, Louis A., assignor to National Manufacturing Company, Sterling, Ill. Door-hanger. No. 1,104,770; July 28; Gaz. vol. 204; p. 1021.
- Bitz, Jacob L., assignor of one-half to H. L. Milnes, Coldwater, Mich. Scissors. No. 1,110,181; Sept. 8; Gaz. vol. 206; p. 512.
- Bivens, Bert W., Steamboat Springs, Colo. Hay-stacker. No. 1,098,553; June 2; Gaz. vol. 203; p. 70.
- Bivens, Leonard L., and G. G. Hunter, assignors of one-third to C. H. Cornell, Valentine, Nebr. Soldering-iron. No. 1,097,518; May 19; Gaz. vol. 202; p. 882.
- Bixby, Edward K., Chicago, Ill. Fountain-pen. No. 1,109,033; Sept. 1; Gaz. vol. 206; p. 64.
- Bizas, Joseph, Cincinnati, Ohio. Projectile. No. 1,099,784; June 9; Gaz. vol. 203; p. 528.
- Bizon, Majk. (See Gwozdzievich and Bizon.)
- Bjering, Hans C., Gjøvik, assignor to K. Halmrast, Søndre Land, Norway. Mower. No. 1,089,039; Mar. 3; Gaz. vol. 200; p. 125.
- Bjering, Hans C., Gjøvik, assignor to K. Halmrast, Søndre Land, Norway. Mower and similar machine. No. 1,101,052; June 23; Gaz. vol. 203; p. 1057.
- Bjorge, Oscar E., assignor to Clyde Iron Works, Duluth, Minn. Drag-line bucket. No. 1,104,771; July 28; Gaz. vol. 204; p. 1021.
- Bjorkland, Gustave. (See Schwarz and Bjorkland.)
- Bjorkland, Gustave, Bayonne, N. J. Piano-action. No. 1,094,421; Apr. 28; Gaz. vol. 201; p. 912.
- Bjorkland, Gustave, Bayonne, N. J. Action for grand pianos. No. 1,100,283; June 16; Gaz. vol. 203; p. 738.
- Bjorkström, Andrew G., Brooklyn, N. Y. Transmission for elevator-car motors. No. 1,113,744; Oct. 13; Gaz. vol. 207; p. 508.
- Bjorlie, John E., Pekin, N. D. Camera attachment. No. 1,093,821; Apr. 21; Gaz. vol. 201; p. 654.
- Bjorlie, John E., Pekin, N. D. Automobile headlight-turner. No. 1,100,946; June 23; Gaz. vol. 203; p. 1020.
- Bjornson, Gustaf A., Los Angeles, Cal. Rotary reversible engine. No. 1,118,840; Nov. 24; Gaz. vol. 208; p. 1294.
- Bjur, William L., New York, N. Y. Piano fall-board. No. 1,092,970; Apr. 14; Gaz. vol. 201; p. 325.
- Black, Carl A., Cleveland, and W. H. Teare, Lakewood; said Black assignor of one-third and said Teare assignor of all his right to J. R. Cowell, Toledo, Ohio. Fertilizer and producing same. No. 1,121,324; Dec. 15; Gaz. vol. 209; p. 928.
- Black, Charles. (See Merritt, Black, and Morris.)
- Black, Charles F., Philadelphia, Pa. Adjustable safety-handle. No. 1,087,103; Feb. 17; Gaz. vol. 199; p. 625.
- Black, Edward S., Chicago, Ill., assignor to Edgar Allen American Manganese Steel Company, Augusta, Me. Two-part dipper for excavating-machines. No. 1,107,252; Aug. 18; Gaz. vol. 205; p. 674.
- Black, Edward S., Chicago, Ill., assignor to Edgar Allen American Manganese Steel Company, Augusta, Me. Dipper-tooth. No. 1,107,253; Aug. 18; Gaz. vol. 205; p. 674.
- Black, Frank L., Kings Mills, Ohio. Strainer for water-pipes. No. 1,104,772; July 28; Gaz. vol. 204; p. 1022.
- Black, James, and J. Frame, Glasgow, Scotland. Locomotive fire-box. No. 1,119,490; Dec. 1; Gaz. vol. 209; p. 204.

Alphabetical list of patentees—Continued.

- Black, Katherine M., Austin, Tex. Box-corner protector. No. 1,086,984; Feb. 10; Gaz. vol. 199; p. 534.
- Black, Lee J., Beaumont, Tex. Pump-cylinder. No. 1,088,520; Feb. 24; Gaz. vol. 199; p. 1160.
- Black, Lee J., Beaumont, Tex. Hydraulic swivel. No. 1,119,774; Dec. 1; Gaz. vol. 209; p. 299.
- Black, Louis. (See Burke, Edward F., assignor.)
- Black, Thomas J., assignor to The Cleveland Hardware Company, Cleveland, Ohio. Vehicle top construction. No. 1,114,673; Oct. 20; Gaz. vol. 207; p. 873.
- Black, Thompson W., assignor to Marble Mosaic Company, Milwaukee, Wis. Producing mosaics. No. 1,099,837; June 9; Gaz. vol. 203; p. 544.
- Black, William J., Pittsburgh, Pa. Pen. No. 1,096,990; May 19; Gaz. vol. 202; p. 699.
- Blackall, Robert H., Pittsburgh, Pa., assignor to Ratchet Brake Company, New York, N. Y. Ratchet brake-lever. No. 1,083,519; Jan. 6; Gaz. vol. 198; p. 85.
- Blackall, Robert H., Pittsburgh, Pa., assignor to Ratchet Brake Company, New York, N. Y. Ratchet brake mechanism. No. 1,120,123; Dec. 8; Gaz. vol. 209; p. 457.
- Blackburn, Arthur C., and B. B. Shiek; said Blackburn assignor to E. Shiek, Vincennes, Ind. Curtain-pole and window-shade hanger. No. 1,118,625; Nov. 24; Gaz. vol. 208; p. 1223.
- Blackburn, Guy W., Elgin, Ill. Edging-machine. No. 1,101,678; June 30; Gaz. vol. 203; p. 1323.
- Blackburn, Jasper, Kirkwood, Mo. Earth-anchor. No. 1,086,640; Feb. 10; Gaz. vol. 199; p. 416.
- Blackburn, Jasper, Kirkwood, Mo. Rope-clamp. No. 1,090,377; Mar. 17; Gaz. vol. 200; p. 675.
- Blackburn, Jasper, Kirkwood, Mo. Railway-signal-operating mechanism. No. 1,090,378; Mar. 17; Gaz. vol. 200; p. 675.
- Blackburn, Jasper, Kirkwood, Mo. Train-pipe coupling. No. 1,106,619; Aug. 11; Gaz. vol. 205; p. 406.
- Blackburn, Jasper, Kirkwood, Mo. Earth-anchor. No. 1,114,724; Oct. 27; Gaz. vol. 207; p. 944.
- Blackburn, Richard. (See Blackburn, William H. and R.)
- Blackburn, Roy J., assignor of one-half to G. G. Prendergast, St. Louis, Mo. Pile-puller. No. 1,111,784; Sept. 29; Gaz. vol. 206; p. 1191.
- Blackburn, William H. and R., Nottingham, England. Circular-knitting machine. No. 1,084,194; Jan. 13; Gaz. vol. 198; p. 342.
- Blackburn, William K. (See Merrell and Blackburn.)
- Blackert, Edward G., Bridgeport, Conn. Carbureter. No. 1,122,572; Dec. 29; Gaz. vol. 209; p. 1433.
- Blackford, Atwell J., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Wick-engaging member and manufacturing it. No. 1,085,191; Jan. 27; Gaz. vol. 198; p. 741.
- Blackford, Charles T., Philadelphia, Pa. Printing-press. No. 1,107,254; Aug. 18; Gaz. vol. 205; p. 674.
- Blackford, Godwin L., *et al.* (See Upshaw, Lucius L., assignor.)
- Blackford, William H., Detroit, Mich. Burial-garment. No. 1,101,724; June 30; Gaz. vol. 203; p. 1337.
- Blackinton & Co., R. (See Ballou, Walter B., assignor.)
- Blackman, Ernest L., and R. J. Miller, Oakland, Cal. Folding bed. No. 1,114,849; Oct. 27; Gaz. vol. 207; p. 989.
- Blackman, Leon D., Battle Creek, Mich. Cartridge-fuse. No. 1,090,445; Mar. 17; Gaz. vol. 200; p. 700.
- Blackman, Mabel, New York, N. Y. Overshoe for horses. No. 1,095,787; May 5; Gaz. vol. 202; p. 210.
- Blackmer, Herbert C., Melrose, Mass. Binder. No. 1,095,547; May 5; Gaz. vol. 202; p. 129.
- Blackmon, Ross, *et al.* (See Hiett, William S., assignor.)
- Blackmore, Bernard J. D., Milwaukee, Wis. System of hollow wall construction of concrete blocks. No. 1,084,389; Jan. 13; Gaz. vol. 198; p. 404.
- Blacknall, Thomas H., assignor of one-half to H. Jansen, Chicago, Ill. Display-hanger. No. 1,090,968; Mar. 24; Gaz. vol. 200; p. 908.
- Blackstead, Anders P., assignor to Camden Iron Works, Camden, N. J. Centrifugal pump. No. 1,109,393; Sept. 1; Gaz. vol. 206; p. 192.
- Blackstock, George W. (See Hirsch and Blackstock.)
- Blackstone, Clarence W. (See Knapp and Blackstone.)
- Blackwell, Adelaide M., Seattle, Wash. Buffet-server. (Reissue.) No. 13,825; Nov. 17; Gaz. vol. 208; p. 951.
- Blackwell, Wellington P., Denver, Colo. Door-holder. No. 1,102,859; July 7; Gaz. vol. 204; p. 222.
- Blága, Gergely. (See Karácsonyi, Frank, assignor.)
- Blagg, Thomas J., Boise, Idaho. Necktie attachment. No. 1,096,410; May 12; Gaz. vol. 202; p. 457.
- Blaha, Mathias, Berlin-Lichtenberg, Germany. Detachable tube-joint. No. 1,086,312; Feb. 3; Gaz. vol. 199; p. 254.
- Blair, Alfred O., Chicago, Ill. Case-hardening compound. No. 1,100,008; June 16; Gaz. vol. 203; p. 642.
- Blain, Floyd M., Central Point, Oreg. Baby-jumper. No. 1,104,609; July 21; Gaz. vol. 204; p. 916.
- Blain, John V., Spring Lake Beach, and O. M. Morris, Smithburg, N. J. Paris-green or dry-powder machine. No. 1,122,847; Dec. 29; Gaz. vol. 209; p. 1532.
- Blaind, William A. (See Symons, Boyle, and Blaind.) (Reissue.)
- Blair, Charles A. (See Theal and Blair.)
- Blair, Charles A., Indianapolis, Ind. Envelop-sealer. No. 1,092,471; Apr. 7; Gaz. vol. 201; p. 121.
- Blair, Elizabeth M., Chicago, Ill. Meat-chopper. No. 1,097,519; May 19; Gaz. vol. 202; p. 883.
- Blair, Fred C., Kalispell, Mont. Potato-cutting machine. No. 1,095,620; May 5; Gaz. vol. 202; p. 152.
- Blair, Fred C., Kalispell, Mont. Conveyer. No. 1,117,311; Nov. 17; Gaz. vol. 208; p. 723.
- Blair, Fred C., Kalispell, Mont. Agricultural machine. No. 1,117,312; Nov. 17; Gaz. vol. 208; p. 724.
- Blair, Grover F., assignor of one-half to R. A. Blair, Fort Wayne, Ind. Tie-spacer. No. 1,117,127; Nov. 10; Gaz. vol. 208; p. 616.
- Blair, Joseph H., Bowling Green, Mo. Drafting instrument. No. 1,113,404; Oct. 13; Gaz. vol. 207; p. 389.
- Blair, Robert S., South Orange, N. J., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,108,485; Aug. 25; Gaz. vol. 205; p. 1154.
- Blair, Rolandis A. (See Blair, Grover F., assignor.)
- Blair, Thomas H., assignor to Whiting Manufacturing Company, Northboro, Mass. Kinetoscope. No. 1,108,122; Aug. 25; Gaz. vol. 205; p. 1027.
- Blair, William R., assignor to Landis Machine Company, St. Louis, Mo. Awl-feed adjustment for shoe-stitching machines. No. 1,092,892; Apr. 14; Gaz. vol. 201; p. 299.
- Blaisdell, David B., Brooklyn, N. Y. Tractor. No. 1,117,966; Nov. 24; Gaz. vol. 208; p. 991.
- Blake, Alden D., Detroit, Mich. Disappearing bed. No. 1,099,962; June 16; Gaz. vol. 203; p. 626.
- Blake, Arthur E., Rochester, N. Y. Bottle attachment. No. 1,121,459; Dec. 15; Gaz. vol. 209; p. 974.
- Blake, Benjamin F., Marion, Ohio. Railway-crossing. No. 1,095,788; May 5; Gaz. vol. 202; p. 210.
- Blake Car Step Company. (See Blake, Fred D., assignor.)
- Blake Car Step Works. (See Blake, Fred D., assignor.)
- Blake, Charles G., Pittsburgh, Pa. Glass-insert tile. No. 1,092,128; Mar. 31; Gaz. vol. 200; p. 1347.
- Blake, Charles G., Pittsburgh, Pa. Tile. No. 1,093,761; Apr. 21; Gaz. vol. 201; p. 633.
- Blake Crusher and Pulverizer Company. (See Blake, Henry H., assignor.)
- Blake, Edmund E., Saco, Me., assignor to Saco-Lowell Shops, Boston, Mass. Bobbin-gear. No. 1,119,229; Dec. 1; Gaz. vol. 209; p. 114.
- Blake, Fred D., assignor to Blake Car Step Company, Charlotte, N. C. Car-step-operating system. No. 1,089,106; Mar. 3; Gaz. vol. 200; p. 148.
- Blake, Fred D., assignor to Blake Car Step Works, Charlotte, N. C. Car-step. No. 1,122,063; Dec. 22; Gaz. vol. 209; p. 1223.
- Blake, Frederick J. (See Gibbons and Blake.)
- Blake, George H., Alameda, assignor to W. A. Plummer Manufacturing Company, San Francisco, Cal. Cooler. No. 1,092,330; Apr. 7; Gaz. vol. 201; p. 72.
- Blake, George W., Wyandotte, Mich. Pouring-spout. No. 1,093,600; Apr. 21; Gaz. vol. 201; p. 578.
- Blake, George W., Wyandotte, Mich. Pouring-spout. No. 1,118,626; Nov. 24; Gaz. vol. 208; p. 1224.
- Blake, Henry H., assignor to Blake Crusher and Pulverizer Company, Pittsburgh, Pa. Bottom construction for furnaces. No. 1,104,402; July 21; Gaz. vol. 204; p. 843.
- Blake, Henry H., assignor to Blake Crusher and Pulverizer Company, Pittsburgh, Pa. Apparatus for utilizing low-grade fuels. No. 1,104,403; July 21; Gaz. vol. 204; p. 844.
- Blake, Henry H., assignor to Blake Crusher and Pulverizer Company, Pittsburgh, Pa. Apparatus for distributing pulverized fuel. No. 1,104,404; July 21; Gaz. vol. 204; p. 844.
- Blake, James O., Gary, Ind. Railway-tie. No. 1,105,955; Aug. 4; Gaz. vol. 205; p. 129.
- Blake and Johnson Company, The. (See Hoffman, Frederick C., assignor.)
- Blake and Johnson Company, The. (See Weiss, Karl, assignor.)
- Blake & Knowles Steam Pump Works. (See Aborn, George P., assignor.)
- Blake & Knowles Steam Pump Works, The. (See Bourne, Phillips P., assignor.)
- Blake, Samuel H., Pittsfield, Mass., assignor to General Electric Company. Flaming-arc lamp. No. 1,104,339; July 21; Gaz. vol. 204; p. 822.
- Blake Signal and Manufacturing Co. (See Jansson, Bennett G., assignor.)
- Blake, William H., Jersey City, N. J. Tire for wheels. No. 1,102,860; July 7; Gaz. vol. 204; p. 223.
- Blake, William H., assignor to F. S. Alden, Boston, Mass. Concealed-wire-supporting chain. No. 1,098,779; June 2; Gaz. vol. 203; p. 143.
- Blake, William T., Marietta, Ohio. Steam-engine. No. 1,088,521; Feb. 24; Gaz. vol. 199; p. 1160.
- Blakely, Charles C., Albion, Mich. Valise. No. 1,097,290; May 19; Gaz. vol. 202; p. 805.
- Blakely, Frank D. (See Casson and Blakely.)
- Blakely, Phylander, Richardson, Tex. Stalk-cutter. No. 1,088,257; Feb. 24; Gaz. vol. 199; p. 1073.
- Blakeslee, George S., Chicago, Ill. Dish-holding basket for dish-washing machines. No. 1,087,209; Feb. 17; Gaz. vol. 199; p. 662.
- Blakeslee, John R., Cleveland, Ohio. Making nuts and the like. No. 1,119,775; Dec. 1; Gaz. vol. 209; p. 299.

Alphabetical list of patentees—Continued.

- Blakeslee, John R., assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Bolt-heading machine. No. 1,111,729; Sept. 29; Gaz. vol. 206; p. 1168.
- Blakeslee, John R., assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Mechanism for making bolts. No. 1,119,491; Dec. 1; Gaz. vol. 209; p. 204.
- Blakeslee, John R., assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Mechanism for making nuts and the like. No. 1,119,492; Dec. 1; Gaz. vol. 209; p. 204.
- Blakeslee, Raymond I. (See Hill, Aaron, assignor.)
- Blakesley, George W., Kansas City, Mo. Gas-burner. No. 1,087,426; Feb. 17; Gaz. vol. 199; p. 739.
- Blakey, William H., *et al.* (See Marrs, Vollie B., assignor.)
- Blakley, Mildon H., Alton, Mo. Device for stretching wires. No. 1,117,313; Nov. 17; Gaz. vol. 208; p. 724.
- Blanc, Louis. (See Schlaepfer, Edouard, fils, assignor.)
- Blanchard, Adna F., Atlanta, Ga. Vapor-lamp. No. 1,117,769; Nov. 17; Gaz. vol. 208; p. 885.
- Blanchard Bros. (See Blanchard, George H., assignor.)
- Blanchard Delinter Co. (See Blanchard, George L., assignor.)
- Blanchard, Edward, San Angelo, Tex. Adjustable and detachable bow for spectacles. No. 1,084,064; Jan. 13; Gaz. vol. 198; p. 297.
- Blanchard, Frank E., assignor of one-half to F. H. Schroeder, Toledo, Ohio. Ozonizing and sterilizing apparatus. No. 1,096,991; May 19; Gaz. vol. 202; p. 699.
- Blanchard, George H., New York, assignor to Blanchard Bros., Inc., Brooklyn, N. Y. Combined mailing-card and goods-container. No. 1,123,073; Dec. 29; Gaz. vol. 209; p. 1611.
- Blanchard, George L., assignor to Blanchard Delinter Co., Montgomery, Ala. Float for linters. No. 1,122,360; Dec. 29; Gaz. vol. 209; p. 1361.
- Blanchard, George N., and O. G. Minzenmayer, San Francisco, Cal. Receiver for telephones. No. 1,104,610; July 21; Gaz. vol. 204; p. 917.
- Blanchard, Harry E., Lowell, assignor to Saco-Lowell Shops, Boston, Mass. Roll-support for spinning, twisting, or like machines. No. 1,094,697; Apr. 28; Gaz. vol. 201; p. 1012.
- Blanchard, Helen A., Philadelphia, Pa. Selvage-sewing. No. 1,089,816; Mar. 10; Gaz. vol. 200; p. 439.
- Blanchard, Henry. (See Kinne and Blanchard.)
- Blanchard, Henry, Alliance, Ohio, assignor to American Steel Foundries, New York, N. Y. Centering device for couplings. No. 1,105,611; Aug. 4; Gaz. vol. 205; p. 8.
- Blanchard, Kirk S., Brooklyn, N. Y. Ball-cock for flush-tanks of water-closets. No. 1,114,575; Oct. 20; Gaz. vol. 207; p. 841.
- Blanchard, Kirk S., Brooklyn, N. Y. Flush-tank. No. 1,114,576; Oct. 20; Gaz. vol. 207; p. 841.
- Blanchard, Raymond I., assignor to Gorham Manufacturing Company, Providence, R. I. Case for storing forks and spoons. No. 1,101,247; June 23; Gaz. vol. 203; p. 1124.
- Blanchard, William N., East St. Louis, Ill. Hinge. No. 1,087,709; Feb. 17; Gaz. vol. 199; p. 839.
- Blanchard, Willie L., Lehigh, Okla. Funnel. No. 1,092,517; Apr. 7; Gaz. vol. 201; p. 136.
- Blanchard, Willis A., Lawton, Okla. Time-controlled apparatus. No. 1,120,677; Dec. 15; Gaz. vol. 209; p. 702.
- Blanche, Alfred C. (See Hintze and Rosewick, assignors.)
- Bland, Louis, Schenectady, N. Y. Adjustable metallic frame. No. 1,091,623; Mar. 31; Gaz. vol. 200; p. 1174.
- Bland, Louis, Schenectady, N. Y. Adjustable frame. No. 1,108,123; Aug. 25; Gaz. vol. 205; p. 1028.
- Bland, Otis. (See Bland, Walter L. and O.)
- Bland, Walter L. and O., Chicago, Ill.; said Walter L. Bland assignor to said O. Bland. Molding-machine for rubber compounds. No. 1,101,053; June 23; Gaz. vol. 203; p. 1058.
- Bland, William T., Chattanooga, Tenn. Heating apparatus. No. 1,099,785; June 9; Gaz. vol. 203; p. 529.
- Blandin, Clayton O., W. T. Davis, and W. A. Reynolds, Denver, Colo. Weed-destroyer. No. 1,110,182; Sept. 8; Gaz. vol. 206; p. 512.
- Blanford, Henry, Aurora, Ill. Means for fluxing cans. No. 1,090,095; Mar. 10; Gaz. vol. 200; p. 535.
- Blangey, Louis, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Dinitro-diamino-benzophenone. No. 1,104,611; July 21; Gaz. vol. 204; p. 917.
- Blank, August, and M. Latten, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Basic azo dyes. No. 1,087,427; Feb. 17; Gaz. vol. 199; p. 739.
- Blank, August, and M. Latten, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Dyes derived from aminotrisazo compounds. No. 1,087,428; Feb. 17; Gaz. vol. 199; p. 740.
- Blank, August, and W. Bergdolt, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Azo dyes. No. 1,087,429; Feb. 17; Gaz. vol. 199; p. 740.
- Blank, August, C. Heidenreich, and J. Jansen, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Cotton-dyestuffs. No. 1,087,430; Feb. 17; Gaz. vol. 199; p. 741.
- Blank, August, C. Heidenreich, and J. Jansen, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Cotton-dyes. No. 1,090,379; Mar. 17; Gaz. vol. 200; p. 675.
- Blank, August W. and E., Webster, S. D. Corn-planter attachment. No. 1,119,675; Dec. 1; Gaz. vol. 209; p. 266.
- Blank, Emil. (See Blank, August W. and E.)
- Blank, Isadore. (See Weatherly, John R., assignor.)
- Blankenship, Howard S., assignor of one-half to B. E. Obendorfer, Norfolk, Va. Automatic switch-controlling mechanism. No. 1,092,423; Apr. 7; Gaz. vol. 201; p. 103.
- Blanthorn, John E. (See Donnelly and Blanthorn.)
- Blaske, William C., assignor, by mesne assignments, to Heat Saver Company, Chicago, Ill. Fuel-saving device. No. 1,114,959; Oct. 27; Gaz. vol. 207; p. 1028.
- Blaske, William C., assignor, by mesne assignments, to Heat Saver Company, Chicago, Ill. Fuel-saving device. No. 1,116,224; Nov. 3; Gaz. vol. 208; p. 259.
- Blaski, John F., Chicago, Ill. Container for films. No. 1,096,887; May 19; Gaz. vol. 202; p. 662.
- Blasko, George. (See Jasus, Pastor, and Blasko.)
- Blatchford, Frank, Brookline, assignor to Wright Manufacturing Company, Lawrence, Mass. Reinforcing-strip for button-files. No. 1,103,559; July 14; Gaz. vol. 204; p. 510.
- Blattel, George. (See Reifel and Blattel.)
- Blatter, Daniel V., *et al.* (See Griffith, Jesse E., assignor.)
- Blattmann, Ernst, Nonnendamm, near Berlin, assignor to Siemens & Halske, A. G., Berlin, Germany. Sparking plug for internal-combustion engines. No. 1,105,746; Aug. 4; Gaz. vol. 205; p. 56.
- Blatzer, Joseph S., and P. J. Pawloski, Pontiac, Mich. Boat-propeller. No. 1,089,391; Mar. 10; Gaz. vol. 200; p. 290.
- Blau, Fritz, Berlin, Germany, assignor, by mesne assignments, to General Electric Company. Electric glow-lamp. No. 1,113,745; Oct. 13; Gaz. vol. 207; p. 509.
- Blauvelt, Albert, Chicago, Ill. Water-meter. No. 1,122,467; Dec. 29; Gaz. vol. 209; p. 1397.
- Blauvelt, William G., New York, N. Y., assignor to American Telephone and Telegraph Company. Means for determining time intervals in telephone systems. No. 1,114,725; Oct. 27; Gaz. vol. 207; p. 944.
- Blauvelt, William G., New York, N. Y., and E. C. Molina, Bloomfield, N. J., assignors to American Telephone and Telegraph Company. Telephone-operator's equipment. No. 1,104,956; July 28; Gaz. vol. 204; p. 1085.
- Blaw Collapsible Steel Centering Company, The. (See McArthur, Charles D., assignor.)
- Blaw Collapsible Steel Centering Company. (See Venable, William M., assignor.)
- Blaxter, George H. (See Jones, Joshua J., assignor.)
- Blaydes, William A., assignor of one-half to O. H. Jacobs-meyer, Clayton, Mo. Spring-motor. No. 1,100,050; June 16; Gaz. vol. 203; p. 656.
- Blaylock, William T., Waynesville, N. C. Loose-leaf binder. No. 1,101,780; June 30; Gaz. vol. 203; p. 1357.
- Blayney, James D., Edmonton, Alberta, Canada. Rotary explosive-engine. No. 1,095,074; Apr. 28; Gaz. vol. 201; p. 1142.
- Blecher, Carl, Berlin, Germany. Grinding-machine. No. 1,109,277; Sept. 1; Gaz. vol. 206; p. 149.
- Bleischmidt, Arthur F., Connersville, Ind. Burglar-proof safe. No. 1,097,076; May 19; Gaz. vol. 202; p. 730.
- Bled, Felix, Versailles, France. Automatic closure device for lubricators. No. 1,088,522; Feb. 24; Gaz. vol. 199; p. 1161.
- Bledsoe, Howard F., and B. F. Crawford, Ellensburg, Wash. Float-valve. No. 1,101,394; June 23; Gaz. vol. 203; p. 1173.
- Bleeker, Warren F., Pittsburgh, Pa. Metallurgical process. No. 1,094,114; Apr. 21; Gaz. vol. 201; p. 751.
- Blefeld, Joseph, assignor to S. Blefeld, Philadelphia, Pa. Scholar's companion. No. 1,117,967; Nov. 24; Gaz. vol. 208; p. 991.
- Blefeld, Solomon. (See Blefeld, Joseph, assignor.)
- Bleicken, Berthold, Gross-Borstel, near Hamburg, Germany. Apparatus for producing distilled water. No. 1,102,131; June 30; Gaz. vol. 203; p. 1483.
- Blessing, Benjamin F., Waynesboro, Pa. Railway-tie. No. 1,094,635; Apr. 28; Gaz. vol. 201; p. 989.
- Blessing, Gay P., Seattle, Wash. Telegraph apparatus. No. 1,108,545; Aug. 25; Gaz. vol. 205; p. 1176.
- Blessing, John B., Randlett, Okla. Conveyor for unloading cotton or the like. No. 1,110,104; Sept. 8; Gaz. vol. 206; p. 484.
- Blessing, John F., Chicago, Ill. Box-carrier. No. 1,083,982; Jan. 13; Gaz. vol. 198; p. 268.
- Blessing, John G., assignor to Automatic Electric Company, Chicago, Ill. Telephone system. No. 1,119,394; Dec. 1; Gaz. vol. 209; p. 171.

Alphabetical list of patentees—Continued.

- Blessing, John T., Fort Worth, Tex. Plano-action. No. 1,090,192; Mar. 17; Gaz. vol. 200; p. 611.
- Blessing, Louis, Jackson, Mich. Rail-joint. No. 1,094,515; Apr. 28; Gaz. vol. 201; p. 945.
- Blessing, Louis, Jackson, Mich. Rail-clamp. No. 1,094,516; Apr. 28; Gaz. vol. 201; p. 946.
- Blessing, Louis, Jackson, Mich. Railway-tie. No. 1,094,517; Apr. 28; Gaz. vol. 201; p. 946.
- Blessing, Louis, Jackson, Mich. Rail-clamp. No. 1,094,518; Apr. 28; Gaz. vol. 201; p. 946.
- Blessing, Louis, Jackson, Mich. Rail and shim clamp. No. 1,122,573; Dec. 29; Gaz. vol. 209; p. 1433.
- Blessing, Margaret E., Philadelphia, Pa. Hat-pin protector. No. 1,088,871; Mar. 3; Gaz. vol. 200; p. 68.
- Blessing, Margaret E., Philadelphia, Pa. Stocking. No. 1,111,353; Sept. 22; Gaz. vol. 206; p. 1004.
- Bleuler, Norman, South Bend, Ind. Egg-beater. No. 1,101,781; June 30; Gaz. vol. 203; p. 1358.
- Blevins, Alonzo, *et al.* (See Dillon, James F., assignor.)
- Blevins, Samuel W., assignor to Cooper Road Machine Co., Cooper, Tex. Grading-machine. No. 1,120,179; Dec. 8; Gaz. vol. 209; p. 477.
- Blevney, John C., Newark, N. J., assignor to The Cork Insert Company, Boston, Mass. Polishing device. No. 1,094,361; Apr. 21; Gaz. vol. 201; p. 830.
- Blewett, Arthur R., Spokane, Wash. Bearing-box. No. 1,118,325; Nov. 24; Gaz. vol. 208; p. 1116.
- Bleyer, Eugene. (See Papon, Charles M., assignor.)
- Blice, Carl A. (See Neckerman and Blice.)
- Blichmann, John A., Dubuque, Iowa. Bath trap and overflow. No. 1,093,601; Apr. 21; Gaz. vol. 201; p. 579.
- Blickensderfer, George C., Stamford, Conn. Tabulator mechanism. No. 1,116,553; Nov. 10; Gaz. vol. 208; p. 415.
- Blickhan, Matilda. (See Wells and Blickhan.)
- Blickman, Isidor and S., assignors to S. Blickman, New York, N. Y. Combined hot-water heater. No. 1,087,633; Feb. 17; Gaz. vol. 199; p. 812.
- Blickman, Saul. (See Blickman, Isidor and S.)
- Blickman, Sophia. (See Blickman, Isidor and S., assignors.)
- Bliss, Donald M., Orange, N. J., assignor to Bliss Talking Machine Co. Phonograph sounding-board. No. 1,104,340; July 21; Gaz. vol. 204; p. 822.
- Bliss, Donald M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Method and means for reducing sparking in electrical apparatus. No. 1,116,871; Nov. 10; Gaz. vol. 208; p. 529.
- Bliss, Donald M., Stamford, Conn., assignor of two-fifths to C. J. Henschel, New York, and one-fifth to F. W. Wood, Brooklyn, N. Y. Electromagnetic telegraph. No. 1,102,234; July 7; Gaz. vol. 204; p. 5.
- Bliss, Elmer F. (See Hawkins and Bliss.)
- Bliss, Elmer F., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Block-signal system. No. 1,087,917; Feb. 24; Gaz. vol. 199; p. 953.
- Bliss, Elmer F., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Signal system. No. 1,102,861; July 7; Gaz. vol. 204; p. 223.
- Bliss, Henry P., assignor to W. & B. Douglas, Middletown, Conn. Hand-portable pumping apparatus. No. 1,104,098; July 21; Gaz. vol. 204; p. 740.
- Bliss Talking Machine Co. (See Bliss, Donald M., assignor.)
- Bliss, Victor E., Davis, Ill. Corner-post mold. No. 1,114,674; Oct. 20; Gaz. vol. 207; p. 873.
- Bliss, William L., Milwaukee, Wis., assignor, by mesne assignments, to The United States Light and Heating Company, New York, N. Y. Electrical switch. No. 1,086,985; Feb. 10; Gaz. vol. 199; p. 534.
- Bliss, William L., Milwaukee, Wis., assignor, by mesne assignments, to The United States Light and Heating Company, New York, N. Y. Coupling for electrical conductors. No. 1,097,602; May 19; Gaz. vol. 202; p. 911.
- Bliss, William L., Milwaukee, Wis., assignor, by mesne assignments, to Central Trust Company of New York, trustee. Carbon brush and pigtail. No. 1,112,191; Sept. 29; Gaz. vol. 206; p. 1329.
- Bliss, William L., Niagara Falls, N. Y., assignor, by mesne assignments, to Central Trust Company of New York, trustee. Spring-seat bushing for tension-rods. No. 1,112,669; Oct. 6; Gaz. vol. 207; p. 92.
- Bliss, William L., Niagara Falls, N. Y., assignor, by mesne assignments, to Central Trust Company of New York, trustee. Coupling for electrical conductors. No. 1,123,074; Dec. 29; Gaz. vol. 209; p. 1612.
- Blist, Albert, Los Angeles, Cal. Door-check. No. 1,111,291; Sept. 22; Gaz. vol. 206; p. 983.
- Bloch, Bruno, Berlin, Germany, assignor to Mergenthaler Linotype Company. Means for aligning the pieces of a typographical line in a line-producing machine. No. 1,105,612; Aug. 4; Gaz. vol. 205; p. 8.
- Bloch, Bruno, Berlin, Germany, assignor to Mergenthaler Linotype Company. Aligning the pieces of a typographical line in a line-producing machine. No. 1,119,493; Dec. 1; Gaz. vol. 209; p. 205.
- Bloch, Eugene, New York, N. Y. Coating process. No. 1,110,741; Sept. 15; Gaz. vol. 206; p. 749.
- Bloch, Isaac. (See Germany, James T., assignor.)
- Bloch, Jacob, Cincinnati, Ohio. Coat. No. 1,112,254; Sept. 29; Gaz. vol. 206; p. 1353.
- Block, Abraham, San Francisco, assignor of one-eighth to A. Santos, Oakland, one-eighth to T. Hourihan, one-eighth to F. W. Freechtle, and one-eighth to C. A. Crowley, San Francisco, Cal. Device for inking and dampening printing-ribbons. No. 1,113,872; Oct. 13; Gaz. vol. 207; p. 553.
- Block, Alexander E., St. Louis, Mo. Arch-support. No. 1,110,476; Sept. 15; Gaz. vol. 206; p. 656.
- Block, Edgar N., assignor to Empire State Ring Company, Buffalo, N. Y. Finger-ring. No. 1,092,819; Apr. 14; Gaz. vol. 201; p. 274.
- Block, Henry L., St. Louis, Mo. Folding toilet-seat. No. 1,089,040; Mar. 3; Gaz. vol. 200; p. 125.
- Block, Isaac E. (See Woolf, Frank H., assignor.)
- Block, Joseph, Brooklyn, assignor to Interstate Electric Novelty Co., New York, N. Y. Pistol flash-light. No. 1,098,085; May 26; Gaz. vol. 202; p. 1128.
- Block, Joseph, Brooklyn, assignor to Interstate Electric Novelty Co., New York, N. Y. Pistol flash-light. No. 1,118,467; Nov. 24; Gaz. vol. 208; p. 1168.
- Block Light Company, The. (See Risinger, Frank V., assignor.)
- Block, Louis. (See Gaynor, Arthur C., assignor.)
- Block, Samuel, New York, N. Y. Valve. No. 1,107,022; Aug. 11; Gaz. vol. 205; p. 543.
- Blocker, John P. (See Davidson, Jensen, and Blocker.)
- Blocker, William, Jackson, Miss. Trolley-pole. No. 1,111,127; Sept. 22; Gaz. vol. 206; p. 926.
- Blodgett, George W., Portland, Oreg. Cooking utensil. No. 1,086,986; Feb. 10; Gaz. vol. 199; p. 535.
- Blodgett, William K., Point Pleasant, N. J., assignor, by mesne assignments, to American Chain Company, Incorporated, Bridgeport, Conn. Fish-guide. No. 1,095,697; May 5; Gaz. vol. 202; p. 179.
- Blodgett, William K., Point Pleasant, N. J., assignor, by mesne assignments, to American Chain Company, Incorporated, Bridgeport, Conn. Fish guide or leader. No. 1,095,698; May 5; Gaz. vol. 202; p. 179.
- Blocher, William G., Baltimore, Md. Wheel-rim. No. 1,118,728; Nov. 24; Gaz. vol. 208; p. 1258.
- Blofield, Arthur E., New York, N. Y. Combination-tool and bevel-gage. No. 1,103,344; July 14; Gaz. vol. 204; p. 438.
- Blofield, Arthur E., and J. J. Link, New York, N. Y. Clasp. No. 1,111,354; Sept. 22; Gaz. vol. 206; p. 1004.
- Blohut, Joseph, Leipzig, Germany, assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Expression device for automatic musical instruments. No. 1,104,867; July 28; Gaz. vol. 204; p. 1055.
- Blom, Alexander, Reading, Pa. Grinding attachment. No. 1,118,627; Nov. 24; Gaz. vol. 208; p. 1224.
- Blom, Olof V., Fresno, Cal. Device for treating smelter-fumes. No. 1,098,611; June 2; Gaz. vol. 203; p. 87.
- Blomberg, Peter A., Jesse Lake, assignor of one-half to C. Krantz, Deer River, Minn. Mail receiving and delivering apparatus. No. 1,093,908; Apr. 21; Gaz. vol. 201; p. 633.
- Blomberg, Ulrich, Sioux City, Iowa. Tree-stand. No. 1,114,100; Oct. 20; Gaz. vol. 207; p. 672.
- Blomeen, Carl A., Seattle, Wash. Device for opening and closing ventilators. No. 1,114,675; Oct. 20; Gaz. vol. 207; p. 874.
- Blomfeldt, Allen A., Chicago, Ill. Spraying mechanism. No. 1,108,885; Sept. 1; Gaz. vol. 206; p. 7.
- Blomfeldt, Allen A., Chicago, Ill. Air-conditioning apparatus. No. 1,113,950; Oct. 20; Gaz. vol. 207; p. 619.
- Blomqvist, Lars O., Woodside, N. Y. Connecting-block for knockdown structures. No. 1,114,336; Oct. 20; Gaz. vol. 207; p. 756.
- Blomstrom, August, *et al.* (See Valind, Joseph, assignor.)
- Blomstrom, Charles, Minneapolis, Minn. Coffee-canister. No. 1,087,431; Feb. 17; Gaz. vol. 199; p. 741.
- Blon, Charles V., Bellaire, Ohio. Artificial limb. No. 1,091,115; Mar. 24; Gaz. vol. 200; p. 960.
- Blonay, Jean de, assignor to Sapal, Societe Anonyme des Plieuses Automatiques, Lausanne, Switzerland. Automatic sheet-feeding device. No. 1,088,961; Mar. 3; Gaz. vol. 200; p. 100.
- Blondel, André, and G. Dobkevitch, Paris, France, assignors, by mesne assignments, to General Electric Company. Arc-lamp. No. 1,096,411; May 12; Gaz. vol. 202; p. 458.
- Blondel, Jules, and A. Chopin, Paris, France. Producing plates, films, or pellicles detachably secured to a paper backing or the like. No. 1,105,243; July 28; Gaz. vol. 204; p. 1185.
- Blondin, Joseph A., Los Angeles, Cal. Stabilizing means for motor-vehicles. No. 1,117,476; Nov. 17; Gaz. vol. 208; p. 780.
- Blondo, George C., Fairbanks, Alaska. Cross-head connection. No. 1,115,276; Oct. 27; Gaz. vol. 207; p. 1140.
- Blood, Alvin H., Aberdeen, Wash. Pencil attachment. No. 1,089,107; Mar. 3; Gaz. vol. 200; p. 149.
- Blood, Frank L. (See Mathewson, Wilfred B., assignor.)
- Blood, George H. (See Olson and Blood.)

Alphabetical list of patentees—Continued.

- Blood, Harry W., Fredonia, N. Y. Safety poling-pocket for railway-cars. No. 1,119,568; Dec. 1; Gaz. vol. 209; p. 231.
- Bloom, Axel, Escanaba, Mich. Pole-climber. No. 1,091,277; Mar. 24; Gaz. vol. 200; p. 1015.
- Bloom, David, Berkeley, Cal. Show-jar. No. 1,096,992; May 19; Gaz. vol. 202; p. 699.
- Bloom, David P. (See Smith, Charles S., assignor.)
- Bloom, Edgar J., Tiffin, Ohio. Mixing-valve. No. 1,122,848; Dec. 29; Gaz. vol. 209; p. 1532.
- Bloom and Godley Company. (See Carey, Thomas C., assignor.)
- Bloomenstein, Max, Brooklyn, N. Y. Safety-pocket. No. 1,108,124; Aug. 25; Gaz. vol. 205; p. 1028.
- Bloomer Bros. Co. (See Hedden, John S., assignor.)
- Bloomer, Charles T., Newark, N. Y. Paper box. No. 1,115,163; Oct. 27; Gaz. vol. 207; p. 1101.
- Bloomfield Manufacturing Company, The. (See Harrah, Philip J., assignor.)
- Bloomfield, Victor. (See Crain, John W., assignor.)
- Blose, Daniel C., and M. Shultz, Kaylor, Pa. Rail-tie. No. 1,089,309; Mar. 3; Gaz. vol. 200; p. 216.
- Blossfeld, Emil, San Francisco, Cal. Leather belting. No. 1,104,341; July 21; Gaz. vol. 204; p. 823.
- Blount, Arlington A., and C. M. Padula, assignors to Worcester Shoe Machinery Company, Worcester, Mass. Polishing-wheel. No. 1,119,743; Dec. 1; Gaz. vol. 209; p. 288.
- Blount Plow Works. (See Phelps, Spencer H., assignor.)
- Blount, Warren F., Fayetteville, N. C. Device for measuring mileage. No. 1,087,432; Feb. 17; Gaz. vol. 199; p. 741.
- Blow, Robert F., *et al.* (See Sandiford, Green W., assignor.)
- Blowers, William R., Toronto, Ontario, Canada. Air-tube for pneumatic tires. No. 1,083,584; Jan. 6; Gaz. vol. 198; p. 107.
- Blue, Charles E., Wheeling, W. Va., assignor to D. S. Wolcott, Sewickley, Pa. Manufacture of glass. (Reissue.) No. 13,723; May 12; Gaz. vol. 202; p. 595.
- Blue Island Specialty Company. (See Federspiel, Matthew N., assignor.)
- Blue, John, Laurinburg, N. C. Planter. No. 1,095,621; May 5; Gaz. vol. 202; p. 153.
- Blue-Peter Cigarette Co. (See Semple, Thomas D., assignor.)
- Bluefelder, Samuel, New York, N. Y. Safety device for street-railway curves. No. 1,103,256; July 14; Gaz. vol. 204; p. 408.
- Bluet, Charles L. (See Johnston and Bluet.)
- Blum, August E., Rochester, N. Y. Garment hanger and stretcher. No. 1,105,018; July 28; Gaz. vol. 204; p. 1106.
- Blum, August E., Rochester, N. Y. Combined garment hanger and stretcher. No. 1,105,019; July 28; Gaz. vol. 204; p. 1106.
- Blum, Charles A., Michigan City, Ind. Pipe-coupling. No. 1,095,789; May 5; Gaz. vol. 202; p. 211.
- Blum, Albert L., New York, N. Y. Washtub. No. 1,099,735; June 9; Gaz. vol. 203; p. 511.
- Blum, Andreas R., Newark, N. J. Lighter. No. 1,108,684; Aug. 25; Gaz. vol. 205; p. 1222.
- Blum, George J., Chicago, Ill. Chuck. No. 1,090,096; Mar. 10; Gaz. vol. 200; p. 536.
- Blum, George J., assignor to Armstrong-Blum Manufacturing Company, Chicago, Ill. Shaft-coupling. No. 1,093,822; Apr. 21; Gaz. vol. 201; p. 654.
- Blum, Henry, New York, N. Y. Valve. No. 1,105,177; July 28; Gaz. vol. 204; p. 1160.
- Blum, Herman, Philadelphia, Pa., and G. E. Prentice, New Britain, Conn., assignors to Pioneer Suspender Company. Buckle. No. 1,098,086; May 26; Gaz. vol. 202; p. 1128.
- Blum, Joseph, Winnetka, Ill. Molding-box. No. 1,084,309; Jan. 13; Gaz. vol. 198; p. 380.
- Blum, Leon L., Chicago, Ill. Salt and pepper shaker. No. 1,085,660; Feb. 3; Gaz. vol. 199; p. 28.
- Blumberg, Herman R., Rutherford, N. J. Safety attachment for presses. No. 1,085,529; Jan. 27; Gaz. vol. 198; p. 855.
- Blume, Charles, Chicago, Ill. Harness-hook. No. 1,113,535; Oct. 13; Gaz. vol. 207; p. 437.
- Blume, Frederick G. (See Witmond, Christopher B. J., assignor.)
- Blume, Robert C., Chicago, Ill. Pipe-coupling. No. 1,086,641; Feb. 10; Gaz. vol. 199; p. 417.
- Blumel, Katarina, Kansas City, Mo. Handle. No. 1,095,790; May 5; Gaz. vol. 202; p. 212.
- Blumenthal, Maurice, Brooklyn, N. Y. Tool for detaching obstructions from electric-wire conduits. No. 1,111,208; Sept. 22; Gaz. vol. 206; p. 955.
- Blunck, Robert A., Grand Mound, Iowa. Stalk-cutter. No. 1,117,314; Nov. 17; Gaz. vol. 208; p. 724.
- Blythe, James H., Denver, Colo. Bread-delivering machine. No. 1,123,075; Dec. 29; Gaz. vol. 209; p. 1612.
- Boal, Marion, assignor of one-third to W. Hay and one-third to G. M. Gray, Coshocton, Ohio. Mold. No. 1,095,791; May 5; Gaz. vol. 202; p. 212.
- Boals, Harry R., Laporte, Ind. Plow. No. 1,083,428; Jan. 6; Gaz. vol. 198; p. 58.
- Board, Charles, Halley, Idaho. Bob-sled. No. 1,108,322; Aug. 25; Gaz. vol. 205; p. 1099.
- Boardman, Charles H., Columbus, Ohio, assignor of one-half to T. King, Quincy, Mass. Mine-washing apparatus. No. 1,091,910; Mar. 31; Gaz. vol. 200; p. 1275.
- Boardman Company, The. (See Boardman, John R., assignor.)
- Boardman, John R., assignor to Wylie Manufacturing Company, Oklahoma, Okla. Concrete chute and elevator. No. 1,083,479; Jan. 6; Gaz. vol. 198; p. 73.
- Boardman, John R., assignor to The Boardman Company, Oklahoma, Okla. Joint for silos, grain-bins, and storage-tanks. No. 1,084,531; Jan. 13; Gaz. vol. 198; p. 449.
- Boardman, Ralph E., *et al.* (See Harvey, Daniel, assignor.)
- Boardman, Robert O., Grand Rapids, Mich., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,088,397; Feb. 24; Gaz. vol. 199; p. 1120.
- Boardman, Robert O., assignor of one-half to M. H. Dykstra, Grand Rapids, Mich. Bottle-cap remover. No. 1,100,818; June 23; Gaz. vol. 203; p. 974.
- Boast, William F., Sterling, Colo. Watch mechanism. No. 1,114,101; Oct. 20; Gaz. vol. 207; p. 672.
- Bobbitt, Edward H., San Francisco, Cal. Monoprint multicolor attachment for printing-presses. No. 1,101,395; June 23; Gaz. vol. 203; p. 1173.
- Boberg, Teofron, assignor to Techno-Chemical Laboratories Limited, London, England. Catalytic material and producing the same. No. 1,093,377; Apr. 14; Gaz. vol. 201; p. 466.
- Bobbett, Kinderman M., Toledo, Ohio. Metal-bender. No. 1,117,770; Nov. 17; Gaz. vol. 208; p. 885.
- Bobory, George de, Gyöngyös, Austria-Hungary. Ear-protector. No. 1,117,968; Nov. 24; Gaz. vol. 208; p. 991.
- Bobring, Charles F., Junction City, Kans. Adjustable shade and curtain support. No. 1,092,424; Apr. 7; Gaz. vol. 201; p. 104.
- Boch, Philipp, assignor of one-half to P. Reich, New York, N. Y. Brake for automobiles. No. 1,108,685; Aug. 25; Gaz. vol. 205; p. 1222.
- Bochau, William A., Baltimore, Md. Parachute-kite. No. 1,086,888; Feb. 10; Gaz. vol. 199; p. 503.
- Bochau, William A., Baltimore, Md. Kite. No. 1,105,058; July 28; Gaz. vol. 204; p. 1121.
- Bochert, Frank L., New Brunswick, N. J. Envelop. No. 1,087,868; Feb. 17; Gaz. vol. 199; p. 891.
- Bock, Adam, New York, N. Y. Reproducing-machine. No. 1,118,729; Nov. 24; Gaz. vol. 208; p. 1258.
- Bock, Carl F., and W. Martin, Lebanon, Kans. Cement-grave-vault mold. No. 1,099,010; June 2; Gaz. vol. 203; p. 220.
- Bock, Fritz William. (See Goethner, Rooney, and Seifert, assignors.)
- Bock, Henry L., assignor to W. E. Bock, Toledo, Ohio. Fly-wheel. No. 1,093,246; Apr. 14; Gaz. vol. 201; p. 420.
- Bock, Victor. (See Bock, Walter H., assignor.)
- Bock, Walter H., assignor of one-third to V. Bock, New York, N. Y. Letter. No. 1,085,530; Jan. 27; Gaz. vol. 198; p. 855.
- Bock, William E. (See Bock, Henry L., assignor.)
- Böcker, Ernst, New York, N. Y. Automatic musical instrument. No. 1,115,383; Oct. 27; Gaz. vol. 207; p. 1175.
- Bocker, Hermania A. (See Bocker, William J. and H. A.)
- Bocker, William J. and H. A., Buffalo, N. Y. Beer-cooler. No. 1,099,910; June 16; Gaz. vol. 203; p. 608.
- Bocorselski, Frank E., Richmond, Va. Antifrictional device for relatively movable parts. No. 1,094,972; Apr. 28; Gaz. vol. 201; p. 1109.
- Bodak, Tony, *et al.* (See Kobling, Anton S., assignor.)
- Bodde, Theodore, Brant Rock, Mass., assignor of one-half to A. G. Shaver, Danville, Ill. Vehicle controlling apparatus. No. 1,094,973; Apr. 28; Gaz. vol. 201; p. 1109.
- Boddie, James R., Muskogee, Okla. Cotton-press. No. 1,093,526; Apr. 14; Gaz. vol. 201; p. 511.
- Boddy, Henry M. (See Brown, Frank, assignor.)
- Bode, William F., assignor to Reid Murdoch & Co., Chicago, Ill. Exhibit or display receptacle. No. 1,083,655; Jan. 6; Gaz. vol. 198; p. 131.
- Bodek, Joseph J., Philadelphia, Pa. Collar-band for shirts. No. 1,101,991; June 30; Gaz. vol. 203; p. 1433.
- Boden, Clarence S., San Francisco, Cal., assignor to Boden's Automatic Hammer Co. Tacking and lasting pliers. No. 1,090,514; Mar. 17; Gaz. vol. 200; p. 725.
- Boden, Martin, Chicago, Ill. Automatic feeder for printing-presses. No. 1,085,792; Feb. 3; Gaz. vol. 199; p. 77.
- Boden's Automatic Hammer Co. (See Boden, Clarence S., assignor.)
- Bodenstein, Morgan, Rochester, N. Y. Tire-chain attachment. No. 1,123,076; Dec. 29; Gaz. vol. 209; p. 1612.
- Bodensteiner, John, Walhalla, N. D. Trace-holder. No. 1,119,231; Dec. 1; Gaz. vol. 209; p. 115.
- Bodey, Edward J., Cincinnati, assignor to The Eclipse Folding Machine Company, Sidney, Ohio. Suction-cleaner. No. 1,104,612; July 21; Gaz. vol. 204; p. 917.
- Bodey, Edward J., Cincinnati, assignor to The Eclipse Folding Machine Company, Sidney, Ohio. Suction-cleaner. No. 1,104,613; July 21; Gaz. vol. 204; p. 918.
- Bodge, William, Nutley, N. J., assignor to The Banner Paper Box Co., Brooklyn, N. Y. Machine for making cell-cases. No. 1,098,840; May 26; Gaz. vol. 202; p. 1039.

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- Bodin, Louis O., Winslow, Wash. Combined mop head and wringer. No. 1,083,656; Jan. 6; Gaz. vol. 198; p. 132.
- Bodine, Henry M., Wichita, Kans. Walk-cleaner. No. 1,106,620; Aug. 11; Gaz. vol. 205; p. 407.
- Bodine, Henry M., Wichita, Kans. Railway-tie and brace. No. 1,119,232; Dec. 1; Gaz. vol. 209; p. 115.
- Bodjack, Adam, St. Joseph, Mich. Basket-anvil. No. 1,083,792; Jan. 6; Gaz. vol. 198; p. 175.
- Bodkin, Jesse T., assignor of one-half to W. E. Beavers, Chattanooga, Tenn. Pipe-cutter. No. 1,115,277; Oct. 27; Gaz. vol. 207; p. 1140.
- Bodkin, John A., New York, N. Y. Derailing device. No. 1,096,093; May 12; Gaz. vol. 202; p. 349.
- Bodkin, John A., New York, N. Y. Cushion tie-plate. No. 1,119,776; Dec. 1; Gaz. vol. 209; p. 200.
- Bodlaender, Wilhelm, Berlin-Halensee, Germany. Paperfile. No. 1,084,839; Jan. 20; Gaz. vol. 198; p. 586.
- Bodley, Edward F., Toledo, Ohio. Hanger for screen-frames or the like. No. 1,108,323; Aug. 25; Gaz. vol. 205; p. 1099.
- Bodmer, Christian, assignor to The Stanley Rule & Level Company, New Britain, Conn. Hand-scraper. No. 1,098,706; June 2; Gaz. vol. 203; p. 120.
- Bodmer, Ernest, assignor to Dye-Works formerly L. Durand, Huguenin & Co., Basel, Switzerland. Green mordant dyestuffs and making same. No. 1,106,185; Aug. 4; Gaz. vol. 205; p. 210.
- Bodo, Joseph. (See Caron, George D., assignor.)
- Bodor, Stephen, Detroit, Mich. Folding crate. No. 1,122,678; Dec. 29; Gaz. vol. 209; p. 1473.
- Bodstein, Eugen. (See Kersken and Bodstein.)
- Body, Joseph F., Philadelphia, Pa. Hair-pin. No. 1,103,393; July 14; Gaz. vol. 204; p. 452.
- Boecker, Arthur, Barmen-Rittershausen, Germany. Envelop and the like for explosives. No. 1,096,014; May 12; Gaz. vol. 202; p. 322.
- Boecker, Joseph A., *et al.* (See Hannan, Dennis B., assignor.)
- Boeckx, Nancy P., California, Pa. Broom-protector. No. 1,086,987; Feb. 10; Gaz. vol. 199; p. 535.
- Boedtker, Franz A., Bergenfeld, N. J. Elevator-indicator. No. 1,089,310; Mar. 3; Gaz. vol. 200; p. 216.
- Boeck, William E., assignor to New York Revolving Portable Elevator Company, Jersey City, N. J. Sectional portable elevator. No. 1,105,956; Aug. 4; Gaz. vol. 205; p. 129.
- Boehm, Jennie, New York, N. Y. Towel-rack. No. 1,117,771; Nov. 17; Gaz. vol. 208; p. 886.
- Boehm, Oscar A., New York, N. Y., assignor to Sani-Glass Manufacturing Company, Verona, N. J. Bracket. No. 1,096,282; May 12; Gaz. vol. 202; p. 415.
- Boehm, Rudolph A., assignor of one-third to F. W. Wyatt and one-third to G. Rapp, Erie, Pa. Threading-die holder. No. 1,119,676; Dec. 1; Gaz. vol. 209; p. 267.
- Boehm, Wilhelm, Berlin, Germany. Producing fireproof materials from quartz and the like. No. 1,099,113; June 2; Gaz. vol. 203; p. 252.
- Boehme, John H., Hornick, and G. E. Holden, Castana, Iowa. Corn-planter. No. 1,089,458; Mar. 10; Gaz. vol. 200; p. 315.
- Boehme, Raymond G., Newport, Ky. Clothes-drying rack. No. 1,091,278; Mar. 24; Gaz. vol. 200; p. 1015.
- Boehner, Jacob P., Aurora, Ill. Loose-leaf holder. No. 1,097,966; May 26; Gaz. vol. 202; p. 1087.
- Boehrer, C. F. (See Köbner and Fritzsche, assignors.)
- Boekel, Julius, Philadelphia, Pa. Thermostat. No. 1,094,362; Apr. 21; Gaz. vol. 201; p. 830.
- Boekel, Julius, Philadelphia, Pa. Thermostat. No. 1,110,477; Sept. 15; Gaz. vol. 206; p. 656.
- Boekenkamp, Edward, assignor to American Stove Company, St. Louis, Mo. Combustion-tube for oil-burners. No. 1,120,124; Dec. 8; Gaz. vol. 209; p. 457.
- Boelter, August H., Rochester, Ind. Rug and carpet cleaning machine. No. 1,116,225; Nov. 3; Gaz. vol. 208; p. 259.
- Boelzner, Philip C. (See Snyder and Boelzner.)
- Boenning, William M., Manitowoc, Wis. Yarn-waxing mechanism. No. 1,099,534; June 9; Gaz. vol. 203; p. 442.
- Boericke, Harold, Newmire, Colo. Extracting vanadium from vanadium ores. No. 1,105,244; July 28; Gaz. vol. 204; p. 1185.
- Boericke, Harold, Vanadium, Colo. Extracting vanadium from vanadium ores. No. 1,105,245; July 28; Gaz. vol. 204; p. 1185.
- Boerner, Emile C. (See Ward, Boerner, and Remsen.)
- Boersma, Gerlof. (See Putnam and Boersma.)
- Boes, Jacob F., Bay City, Mich. Combined harrow and clod-crusher. No. 1,107,480; Aug. 18; Gaz. vol. 205; p. 756.
- Boesch, John E. W., Columbia, Nev. Tool. No. 1,093,527; Apr. 14; Gaz. vol. 201; p. 512.
- Boettger, Ernst, St. Louis, Mo. Fowl-beheading tool. No. 1,085,793; Feb. 3; Gaz. vol. 199; p. 77.
- Bogart, Howard M., Cincinnati, Ohio. Twist-drill grinder. No. 1,093,028; Apr. 14; Gaz. vol. 201; p. 344.
- Bogdanffy, Alexander, New York, assignor to The International Cork Company, Brooklyn, N. Y. Machine for the manufacture of bottle-closures. No. 1,087,710; Feb. 17; Gaz. vol. 199; p. 840.
- Bogdanffy, Alexander, New York, assignor to The International Cork Company, Brooklyn, N. Y. Manufacturing bottle-closures. No. 1,087,711; Feb. 17; Gaz. vol. 199; p. 840.
- Bogdanffy, Alexander, New York, assignor to The International Cork Company, Brooklyn, N. Y. Manufacturing bottle-closures. No. 1,098,087; May 26; Gaz. vol. 202; p. 1128.
- Bogdanffy, Alexander, New York, assignor to The International Cork Company, Brooklyn, N. Y. Cork-docking machine. No. 1,099,686; June 9; Gaz. vol. 203; p. 496.
- Bogen, Louis E., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Motor-control system. No. 1,093,378; Apr. 14; Gaz. vol. 201; p. 466.
- Bogen, Louis E., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. System of speed regulation. No. 1,113,094; Oct. 6; Gaz. vol. 207; p. 234.
- Boger, Daniel W., Houston, Tex. Baking-pan. No. 1,105,178; July 28; Gaz. vol. 204; p. 1161.
- Bogey, Pierre, San Francisco, Cal. Grinding-machine. No. 1,088,872; Mar. 3; Gaz. vol. 200; p. 68.
- Boggis, Taylor H., Cleveland, Ohio. Game. No. 1,116,554; Nov. 10; Gaz. vol. 208; p. 415.
- Boggs, Hugh E., Centerville, Iowa. Hydroballoon. No. 1,107,481; Aug. 18; Gaz. vol. 205; p. 756.
- Boggs, Lemuel S., New Rochelle, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Electric trolley-line construction. No. 1,120,648; Dec. 8; Gaz. vol. 209; p. 644.
- Boggs, Samuel L., Pittsburgh, Pa. Mixing minerals and metals with molten metal. No. 1,083,724; Jan. 6; Gaz. vol. 198; p. 155.
- Bogle, Charles C., *et al.* (See Moss, John H., assignor.)
- Bogle, Charles C. (See Whitworth, Charles S., assignor.)
- Bogle, Charles C., Fargo, assignor, by mesne assignments, to National Hog Feeder Company, Hunter, N. D. Live-stock-feed grinder. No. 1,100,517; June 16; Gaz. vol. 203; p. 817.
- Bogle, Curtis E., Union, Iowa. Plow. No. 1,107,482; Aug. 18; Gaz. vol. 205; p. 756.
- Bognár, Lojos, Whiting, Ind. Aerial vessel. No. 1,108,830; Aug. 25; Gaz. vol. 205; p. 1272.
- Bogstrand, Ole K., New York, N. Y. Ship's engine-room signal. No. 1,115,278; Oct. 27; Gaz. vol. 207; p. 1141.
- Bohan, William J., St. Paul, Minn. Car-door lock. No. 1,095,792; May 5; Gaz. vol. 202; p. 212.
- Bohan, William J., St. Paul, Minn. Water-cooler. No. 1,099,911; June 16; Gaz. vol. 203; p. 609.
- Bohan, William J., St. Paul, Minn. Car-door structure. No. 1,100,947; June 23; Gaz. vol. 203; p. 1020.
- Bohannon, David W., Alsask, Saskatchewan, Canada. Grain-saving device. No. 1,119,677; Dec. 1; Gaz. vol. 209; p. 267.
- Bohem, Anthony O., Philadelphia, Pa. Window-ventilator. No. 1,116,226; Nov. 3; Gaz. vol. 208; p. 260.
- Bohl, Caroline J. M., Brooklyn, N. Y. Manufacture of molds for casting metals. No. 1,086,582; Feb. 10; Gaz. vol. 199; p. 397.
- Bohl, George F. (See Swift, Walter G., assignor.)
- Bohlender, Daniel F. (See Bohlender, George J., assignor.)
- Bohlender, George J., assignor of one-half to D. F. Bohlender, Roberts, Ill. Hog-trough. No. 1,116,376; Nov. 10; Gaz. vol. 208; p. 351.
- Böhler, Anton N. (See Giertsen, Skancke, and Böhler.)
- Bohlig, Martin, St. Paul, Minn. Tenon-cutter. No. 1,107,483; Aug. 18; Gaz. vol. 205; p. 757.
- Böhlke, Ernst von, Lemberg, Austria-Hungary. Switch-operating device. No. 1,106,274; Aug. 4; Gaz. vol. 205; p. 237.
- Bohlman, Ernest A., Cedar Rapids, Iowa, assignor to Peerless V Belt Company, Chicago, Ill. Metallic link chain. No. 1,103,026; July 14; Gaz. vol. 204; p. 327.
- Bohlman, Ernest A., Cedar Rapids, Iowa, assignor to J. E. Cagney, Jr., Chicago, Ill. Metallic power-belt. No. 1,106,355; Aug. 4; Gaz. vol. 205; p. 265.
- Bohlman, Ernest A., Cedar Rapids, Iowa, assignor to J. E. Cagney, Jr., Chicago, Ill. Metallic power-belt. No. 1,106,356; Aug. 4; Gaz. vol. 205; p. 265.
- Bohlman, Ernest A., Cedar Rapids, Iowa, assignor to J. E. Cagney, Jr., Chicago, Ill. Metallic power-belt. No. 1,113,536; Oct. 13; Gaz. vol. 207; p. 437.
- Bohlman, Ernest A., Cedar Rapids, Iowa, assignor to J. E. Cagney, Jr., Chicago, Ill. Metallic power-belt. No. 1,113,746; Oct. 13; Gaz. vol. 207; p. 509.
- Bohlman, Ernest A., Cedar Rapids, Iowa, assignor to J. E. Cagney, Jr., Chicago, Ill. Metallic power-belt. No. 1,114,850; Oct. 27; Gaz. vol. 207; p. 989.
- Böhm, Ludwig. (See Dobler, Paul, assignor.)
- Bohm, Oscar H. (See Elmore and Bohm.)
- Bohm, Oscar H., and W. M. McCoy, Birmingham, Ala. Jigging-machine. No. 1,091,035; Mar. 24; Gaz. vol. 200; p. 933.
- Bohn, Friedrich, Kiel, Germany. Apparatus for marine aiming-drill. No. 1,092,425; Apr. 7; Gaz. vol. 201; p. 104.
- Bohn, Gebhard C. (See Miller, Charles J., assignor.)
- Bohn, Gebhard C., St. Paul, Minn. Ventilating-hood. No. 1,111,292; Sept. 22; Gaz. vol. 206; p. 983.

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- Bohn, René, Mannheim, and C. Immerheiser, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Chromium compound of oxyanthraquinone-sulfonic acids and making same. No. 1,090,123; Mar. 10; Gaz. vol. 200; p. 545.
- Bohne, Gustave B., West Hoboken, N. J. Votive-offering stand. No. 1,108,062; Aug. 18; Gaz. vol. 205; p. 959.
- Bohne, Julius W., Frazee, Minn. Stamp-affixer. No. 1,096,525; May 12; Gaz. vol. 202; p. 497.
- Bohnengel, Andrew J., Toledo, Ohio. Tape-printing machine. No. 1,097,516; May 19; Gaz. vol. 202; p. 882.
- Bohnengel, Andrew J., Toledo, Ohio. Tape-printing machine. No. 1,100,284; June 16; Gaz. vol. 203; p. 738.
- Böhringer, Georg, Lindenfels, Odenwald, Germany. Grinding and polishing machine for stones. No. 1,083,480; Jan. 6; Gaz. vol. 198; p. 74.
- Boice, Dale C. (See Kramer, Frank, assignor.)
- Boice, Philo H., Franklinville, N. Y. Clevis for whiffletrees. No. 1,083,657; Jan. 6; Gaz. vol. 198; p. 132.
- Boicourt, Barent J., Colorado Springs, Colo., assignor, by mesne assignments, to C. & C. Electric & Manufacturing Company. Method of and apparatus for preventing sparking in dynamo-electric machines. No. 1,121,065; Dec. 15; Gaz. vol. 209; p. 838.
- Boicourt, John L., Fort Worth, Tex. Pumping-head. No. 1,117,772; Nov. 17; Gaz. vol. 208; p. 886.
- Boidot, Charles F., Chicago, Ill. Shock-absorber. No. 1,088,523; Feb. 24; Gaz. vol. 199; p. 1161.
- Boileau, John R., Minocqua, Wis. Window. No. 1,098,218; May 26; Gaz. vol. 202; p. 1172.
- Boiler Scalpers Limited. (See Brindley, Harry S. B., assignor.)
- Boller Water Purifier Company. (See Ralph, Harry H., assignor.)
- Boillot, Elmer. (See Fillmore and Boillot.)
- Boirault, Louis, Paris, France. Centering device for car-couplings. No. 1,102,862; July 7; Gaz. vol. 204; p. 223.
- Bois, Nathaniel, San Francisco, Cal. Rolling window-screen. No. 1,113,095; Oct. 6; Gaz. vol. 207; p. 235.
- Boischevalier, Henri de, assignor of one-third to L. Chevrolet, Detroit, Mich. Radiator. No. 1,103,011; July 7; Gaz. vol. 204; p. 274.
- Boise, Charles J., Wayland, Mich. Shoe-brush. No. 1,085,531; Jan. 27; Gaz. vol. 198; p. 856.
- Boise, Jean, East Weymouth, Mass. Article of furniture. No. 1,094,636; Apr. 28; Gaz. vol. 201; p. 989.
- Boissier, Hermann R., Great Neck, N. Y. Anode and anode-hook. No. 1,091,185; Mar. 24; Gaz. vol. 200; p. 985.
- Boisvert, Philippe, East Angus, Quebec, Canada. Tool-chest handle. No. 1,112,517; Oct. 6; Gaz. vol. 207; p. 37.
- Bojas, Frank J., Detroit, Mich. Wrench. No. 1,102,863; July 7; Gaz. vol. 204; p. 224.
- Boker, Vitus A., Minneapolis, Minn. Transmission mechanism. No. 1,111,355; Sept. 22; Gaz. vol. 206; p. 1005.
- Bolam, Thomas H., and S. N. Barnard, West Ealing, England. Kinematographic apparatus. No. 1,116,377; Nov. 10; Gaz. vol. 208; p. 351.
- Boland, John E., assignor of one-half to J. Erb, Arnold, Pa. Rail-joint. No. 1,108,324; Aug. 25; Gaz. vol. 205; p. 1099.
- Boland, John V., St. Louis, Mo. Chimney. No. 1,107,883; Aug. 18; Gaz. vol. 205; p. 896.
- Boland, Randsome G. (See Rutledge, Boland, and Devault.)
- Boldin, Jonathan B., Lamesa, Tex. Cultivator. No. 1,087,270; Feb. 17; Gaz. vol. 199; p. 685.
- Boldizzoni, Teobaldo, assignor of one-half to P. Bosio, New York, N. Y. Music-leaf turner. No. 1,087,712; Feb. 17; Gaz. vol. 199; p. 840.
- Boldt, Herman E., assignor to Wood Tire Silo Company, Sheboygan Falls, Wis. Silo-hoop. No. 1,089,742; Mar. 10; Gaz. vol. 200; p. 414.
- Bole, William A. (See McClelland and Bole.)
- Bolen, Charley C., assignor of two-thirds to W. W. Sanders, H. S. Young, B. Jacoby, and C. L. Justice, Marion, Ohio. Hand-brake for railway-cars. No. 1,084,247; Jan. 13; Gaz. vol. 198; p. 360.
- Bolen, Emerson A., Morris, Ill. Fluid-discharging device. No. 1,087,271; Feb. 17; Gaz. vol. 199; p. 685.
- Bolen, Emerson A., assignor to Northwestern Novelty Company, Morris, Ill. Cigar-box-ld holder. No. 1,092,807; Apr. 7; Gaz. vol. 201; p. 234.
- Bolen, Robert H., New Orleans, La. Mold for forming sunken concrete structures. No. 1,089,184; Mar. 3; Gaz. vol. 200; p. 178.
- Bolens, Harry W., Port Washington, Wis. Valve-gearing for internal-combustion engines. No. 1,089,526; Mar. 10; Gaz. vol. 200; p. 341.
- Bolens, Harry W., Port Washington, Wis. Driving mechanism. No. 1,096,888; May 19; Gaz. vol. 202; p. 662.
- Boles, Robert, Eldersville, Pa. Nut-locking device. No. 1,098,219; May 26; Gaz. vol. 202; p. 1173.
- Boley, John D., and H. K. Fairall, Highland, Cal. Hydrocarbon-burning apparatus. No. 1,117,773; Nov. 17; Gaz. vol. 208; p. 886.
- Bolger, Robert S., New York, N. Y., assignor of one-half to Charles Leffler & Company. Forming boxes and tubes. No. 1,090,593; Mar. 17; Gaz. vol. 200; p. 751.
- Bolger, Thomas P., Gloucester, Mass. Trap for refrigerator drain-pipes. No. 1,107,884; Aug. 18; Gaz. vol. 205; p. 897.
- Bolger, Thomas P., Gloucester, Mass. Window-box for flowers. No. 1,116,227; Nov. 3; Gaz. vol. 208; p. 260.
- Bolger, William, Hastings-upon-Hudson, N. Y. Safety electric-circuit system. No. 1,116,228; Nov. 3; Gaz. vol. 208; p. 260.
- Bolin, Sven G., Kansas City, Mo. Metal door. No. 1,104,868; July 28; Gaz. vol. 204; p. 1055.
- Boll, Charles S. (See Disbrow and Boll.)
- Boll, George W., Wichita, Kans. Stack-cover. No. 1,102,466; July 7; Gaz. vol. 204; p. 86.
- Boll, William J., Platteville, Wis. Device for shelling ends of seed-corn ears. No. 1,121,460; Dec. 15; Gaz. vol. 209; p. 974.
- Bolland, Elliott, Charters Towers, Queensland, Australia. Valve and connection therefor. No. 1,087,713; Feb. 17; Gaz. vol. 199; p. 841.
- Bollenbach, Louis, assignor of one-half to C. Welch, De Land, Ill. Corn-planter-marker lifter. No. 1,085,374; Jan. 27; Gaz. vol. 198; p. 805.
- Boller, William N., Syracuse, assignor to Autographic Register Company, New York, N. Y. Autographic register. No. 1,090,905; Mar. 24; Gaz. vol. 200; p. 886.
- Bollermann, Richard, New York, N. Y. Mouse-proof piano-pedal. No. 1,086,988; Feb. 10; Gaz. vol. 199; p. 535.
- Bolles, William B., Tacoma, Wash. Molded building-block. No. 1,086,016; Feb. 3; Gaz. vol. 199; p. 157.
- Bollhorn, Franz J. L., Lauenburg-on-the-Elbe, Germany. Game apparatus. No. 1,093,909; Apr. 21; Gaz. vol. 201; p. 684.
- Bollin, Theodore, Kansas City, Mo. Aeroplane. No. 1,117,315; Nov. 17; Gaz. vol. 208; p. 724.
- Bollinger, Alexander M., deceased, Leechburg, Pa.; A. L. Hill, administrator. Toy. No. 1,107,885; Aug. 18; Gaz. vol. 205; p. 897.
- Bollinger, George, Jr., Cincinnati, Ohio. Decorative device. No. 1,103,257; July 14; Gaz. vol. 204; p. 409.
- Bolognesi, Alfredo, Bologna, Italy, assignor of one-half to A. Bacilieri, Martinez, Cal. Scaffolding. No. 1,086,348; Feb. 10; Gaz. vol. 199; p. 314.
- Bolte, Charles W., Atlantic City, N. J. Egg-carrier. No. 1,101,782; June 30; Gaz. vol. 203; p. 1358.
- Boltendahl, Herman, Uniontown, Pa. Trip mechanism for pit-cars. No. 1,115,382; Oct. 27; Gaz. vol. 207; p. 1175.
- Boltless Rail Joint Company, The. (See Young, Jefferson D., assignor.)
- Bolton, Andrew C., assignor to Gutta Percha & Rubber Manufacturing Company, New York, N. Y. Wrapping-machine. No. 1,099,535; June 9; Gaz. vol. 203; p. 443.
- Bolton, Henry S. (See Danley and Bolton.)
- Bolton, John B., Lawrence, Mass., assignor to Universal Winding Company, Portland, Me. Winding-machine. No. 1,087,433; Feb. 17; Gaz. vol. 199; p. 741.
- Bolton, Samuel S., Cleveland, Ohio. Milling-machine head. No. 1,089,527; Mar. 10; Gaz. vol. 200; p. 342.
- Boltz, Robert J., Philadelphia, Pa. Tobacco-stemming machine. No. 1,100,948; June 23; Gaz. vol. 203; p. 1021.
- Boltz, Solomon H., Philadelphia, Pa. Auxiliary coupling. No. 1,085,532; Jan. 27; Gaz. vol. 198; p. 856.
- Bolus, Glenn H., assignor to The Ohio Brass Company, Mansfield, Ohio. Hanger for trolley-wires. No. 1,121,607; Dec. 22; Gaz. vol. 209; p. 1061.
- Bomeister, Carl. (See Sondhelm and Veit, assignors.)
- Bomhard, Charley. (See Müller and Bomhard.)
- Bomhard, Karl, Berlin, Germany. Apparatus for purifying gases. No. 1,112,970; Oct. 6; Gaz. vol. 207; p. 194.
- Bonali, Frank, assignor of one-fourth to A. Macchioni, one-fourth to P. Paladino, and one-fourth to V. Oclappo, Clifton, N. J. Horseshoe. No. 1,108,125; Aug. 25; Gaz. vol. 205; p. 1028.
- Bonaparte, Swan G., Chicago, Ill. Baking machinery. No. 1,115,384; Oct. 27; Gaz. vol. 207; p. 1176.
- Bond Bottle Sealing Company. (See Bond, Samuel C., assignor.)
- Bond, Charles J., and J. W. Koerner, assignors to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,119,922; Dec. 8; Gaz. vol. 209; p. 387.
- Bond, Charles L., Los Angeles, Cal. Automatic weigher. No. 1,087,078; Feb. 10; Gaz. vol. 199; p. 564.
- Bond, Edgar T., Chicago, Ill. Foldable crate. No. 1,085,590; Feb. 3; Gaz. vol. 199; p. 4.
- Bond, Frederick W., Buffalo, N. Y. Hoisting-bucket. No. 1,099,278; June 9; Gaz. vol. 203; p. 354.
- Bond, Lester W., New York, N. Y., assignor to Berbecker & Rowland Manufacturing Company, Waterville, Conn. Extension-rod. No. 1,115,492; Nov. 3; Gaz. vol. 208; p. 9.
- Bond, Louis C., Charleston, S. C. Apparatus for manufacturing ice. No. 1,099,011; June 2; Gaz. vol. 203; p. 221.
- Bond, Otis D. (See Glover, Charles G., assignor.)

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- Bond, Samuel C., Hollyoak, assignor to Bond Bottle Sealing Company, Wilmington, Del. Gasket. No. 1,085,584; Jan. 27; Gaz. vol. 198; p. 873.
- Bond, Samuel C., Hollyoak, assignor to Bond Bottle Sealing Company, Wilmington, Del. Unstopping-machine. No. 1,086,313; Feb. 3; Gaz. vol. 199; p. 255.
- Bond, Samuel C., Hollyoak, assignor to Bond Bottle Sealing Company, Wilmington, Del. Manufacture of bottle-closures. No. 1,087,095; Feb. 10; Gaz. vol. 199; p. 570.
- Bond, Thomas P. (See Ratcliff, Alva A., assignor.)
- Bondascha, Charles W., assignor of one-third to A. Chattaway and one-third to C. L. Chattaway, Hazzard, Pa. Curtain-pole. No. 1,104,614; July 21; Gaz. vol. 204; p. 918.
- Bonds, Fieldon A. (See Meadows, Floyd A., assignor.)
- Bone, Edgar A., Lebanon, Ohio. Automatic release for fire-escapes. No. 1,087,434; Feb. 17; Gaz. vol. 199; p. 742.
- Bone, Jamieson, Boston, assignor to C. M. Tyler, Brookline, Mass. Damper. No. 1,093,167; Apr. 14; Gaz. vol. 201; p. 394.
- Bonenberger, George, assignor to Steel Scaffolding Company, Evansville, Ind. Adjustable scaffold. No. 1,109,505; Sept. 1; Gaz. vol. 206; p. 228.
- Bonenberger, George, assignor to Steel Scaffolding Company, Evansville, Ind. Shingling-bracket. No. 1,109,506; Sept. 1; Gaz. vol. 206; p. 228.
- Boney, Herman H., Chicago, Ill. Electric-arc lamp. No. 1,083,658; Jan. 6; Gaz. vol. 198; p. 132.
- Bongiovanni, Antonio, Barnesboro, Pa. Brush. No. 1,121,788; Dec. 22; Gaz. vol. 209; p. 1124.
- Bongiovanni, Antonio, Barnesboro, Pa. Razor-cleaning attachment for barbers' chairs. No. 1,095,448; May 5; Gaz. vol. 202; p. 92.
- Bongiovanni, Antonio, Barnesboro, assignor of one-half to I. Lantzy, Spangler, Pa. Razor-cleaning attachment for barbers' chairs. No. 1,089,311; Mar. 3; Gaz. vol. 200; p. 217.
- Bonham, Charles M., New York, N. Y. Adjustable shoe-buckle fastener. No. 1,092,010; Mar. 31; Gaz. vol. 200; p. 1307.
- Bonham, Guy L., West Hartford, Conn. Safety-razor. No. 1,093,102; Apr. 14; Gaz. vol. 201; p. 370.
- Bonham, Guy L., West Hartford, Conn. Spring-motor for barbers' machines. No. 1,120,894; Dec. 15; Gaz. vol. 209; p. 778.
- Bonham, Harry J., Los Angeles, Cal. Rail-fitting. No. 1,110,183; Sept. 8; Gaz. vol. 206; p. 512.
- Bonham, Llewellyn, Oxford, Ohio. Traffic-recorder. No. 1,115,493; Nov. 3; Gaz. vol. 208; p. 9.
- Bonhoeffer, Otto, Elberfeld, and H. Guntrum, Vohwinkel, near Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Cellulose formate and making same. No. 1,093,247; Apr. 14; Gaz. vol. 201; p. 421.
- Bonhomme, Philorum, Montreal, Quebec, Canada. Coin-freed clock. No. 1,106,128; Aug. 4; Gaz. vol. 205; p. 191.
- Boniface, Nonna F. and S. F., New York, N. Y. Portable and foldable bath-tub. No. 1,096,672; May 12; Gaz. vol. 202; p. 544.
- Boniface, Symona F. (See Boniface, Nonna F. and S. F.)
- Bonifant, John, Rockville, Md. Shoe-lacing device. No. 1,123,077; Dec. 29; Gaz. vol. 209; p. 1613.
- Bonine, Charles E., Philadelphia, Pa., assignor, by mesne assignments, to Newtown Giant Incubator Corporation, Harrisonburg, Va. Brooder. No. 1,095,263; May 5; Gaz. vol. 202; p. 30.
- Bonis, Harry, Listowel, Ontario, Canada. Electrotherapeutic fluid electrode. No. 1,108,686; Aug. 25; Gaz. vol. 205; p. 1223.
- Bonito, Jerome, New York, N. Y. Swimmer's foot-paddle. No. 1,098,471; June 2; Gaz. vol. 203; p. 40.
- Bonitz, Dudley A., Chicago, Ill. Means for waterproofing pipe-coverings. No. 1,111,688; Sept. 22; Gaz. vol. 206; p. 1121.
- Bonkemeyer, William H., Randleman, N. C. Plow. No. 1,106,186; Aug. 4; Gaz. vol. 205; p. 210.
- Bonnalie, Frederick J., Chester, England. Matrix device for use in stopping or filling teeth or for similar purposes. No. 1,097,520; May 19; Gaz. vol. 202; p. 883.
- Bonnell, Benton L. (See Osborn, Pearl W., assignor.)
- Bonnell, Herbert F., *et al.* (See Johnson, Harvey A., assignor.)
- Bonner, Hugh G., Clay Center, Nebr. Hen's nest. No. 1,093,602; Apr. 21; Gaz. vol. 201; p. 579.
- Bonner, Julius, Brooklyn, N. Y. Spring-clasp. No. 1,085,103; Jan. 27; Gaz. vol. 198; p. 710.
- Bonner, William T., San Francisco, Cal. Wall-bed. No. 1,121,789; Dec. 22; Gaz. vol. 209; p. 1125.
- Bonner, William T., assignor, by mesne assignments, to The Asbestos Brake Company, Trenton, N. J. Brake and brake-liner. No. 1,117,774; Nov. 17; Gaz. vol. 208; p. 887.
- Bonnett, Charles H., Port Huron, Mich. Tunneling and excavating machine. No. 1,093,603; Apr. 21; Gaz. vol. 201; p. 579.
- Bonneville, William H., Philadelphia, Pa. Metal collapsible case. No. 1,111,054; Sept. 22; Gaz. vol. 206; p. 902.
- Bonney, Bick R., assignor to J. E. Charboneau, Kansas City, Mo. Poultry-perch. No. 1,087,079; Feb. 10; Gaz. vol. 199; p. 565.
- Bonney, Charles A., St. Louis, Mo. Trimming attachment for shoe-sewing machines. No. 1,085,961; Feb. 3; Gaz. vol. 199; p. 136.
- Bonney, Charles A., St. Louis, Mo., assignor to United Shoe Machinery Company. Fly-closer for button-shoes. No. 1,108,423; Aug. 25; Gaz. vol. 205; p. 1131.
- Bonney, Charles A., St. Louis, Mo., assignor to United Shoe Machinery Company. Fly-closer for boots and shoes. No. 1,108,965; Sept. 1; Gaz. vol. 206; p. 37.
- Bonney, Charles A., St. Louis, Mo., assignor to United Shoe Machinery Company, Paterson, N. J. Fly-closer for boots and shoes. No. 1,108,966; Sept. 1; Gaz. vol. 206; p. 38.
- Bonnier, Pierre, Paris, France. Color-printing. No. 1,108,063; Aug. 18; Gaz. vol. 205; p. 959.
- Bönninger, Louis. (See Leonhardt and Bönninger.)
- Bonnot, Joseph, A. Belot, J. Vassallo, and R. Emery, Marseille, France. Airship. No. 1,104,242; July 21; Gaz. vol. 204; p. 788.
- Bonom, Alfred, Paterson, N. J. Bearing. No. 1,108,064; Aug. 18; Gaz. vol. 205; p. 959.
- Bons, John, Chicago, Ill. Rail-tie. No. 1,086,505; Feb. 10; Gaz. vol. 199; p. 368.
- Bonsall, Seymour W., New York, N. Y., assignor to Innovation Trunk Company. Drier. No. 1,115,051; Oct. 27; Gaz. vol. 207; p. 1061.
- Bonthron, William C., Atlanta, Ga., assignor to American Can Company, New York, N. Y. Tag marking and forming machine. No. 1,086,583; Feb. 10; Gaz. vol. 199; p. 397.
- Bookout, Louis L. (See Padgett and Bookout.)
- Bookstaber, Bertha, New York, N. Y. Corset-pad. No. 1,113,188; Oct. 13; Gaz. vol. 207; p. 311.
- Bookwalter, Albert E., and M. A. Dorland, Coeur d'Alene, Idaho. Ore-separator. No. 1,083,481; Jan. 6; Gaz. vol. 198; p. 74.
- Boomer, Richard. (See Garrison and Boomer.)
- Boon, John T. (See Oliver and Boon.)
- Boone, Frank L., assignor of one-fourth to D. F. Cox and one-fourth to J. M. Cox, Greensboro, Pa. Coal-washing jig. No. 1,091,797; Mar. 31; Gaz. vol. 200; p. 1235.
- Boone, James M., Chicago, Ill. Container for adhesives and the like. No. 1,119,233; Dec. 1; Gaz. vol. 209; p. 115.
- Boone, Omer E., Sac City, Iowa. Exercising apparatus. No. 1,116,229; Nov. 3; Gaz. vol. 208; p. 261.
- Boop, Rufus F., Gleniron, Pa. Attachment for liquid-pollish-containing bottles. No. 1,088,524; Feb. 24; Gaz. vol. 199; p. 1161.
- Boor, Theodore A., Ashville, Ohio. Starter for internal combustion engines. No. 1,103,736; July 14; Gaz. vol. 204; p. 575.
- Booraem, John F. (See Rohmer and Booraem.)
- Booraem, John F. (See Rohmer, Booraem, and Morley.)
- Booraem, John F., Greenwich, Conn., and G. E. Rohmer, Ridgefield Park, N. J. Plunge-bath. No. 1,091,798; Mar. 31; Gaz. vol. 200; p. 1236.
- Booraem, John F., Greenwich, Conn., and G. E. Rohmer, Pelham, N. Y. Swimming-tank inlet. No. 1,091,799; Mar. 31; Gaz. vol. 200; p. 1236.
- Booraem, John F., Greenwich, Conn., and G. E. Rohmer, Woodside, assignors, by mesne assignments to Cinch Expansion Bolt & Engineering Company, New York, N. Y. Anchorage device. No. 1,120,367; Dec. 8; Gaz. vol. 209; p. 544.
- Booraem, John F., Greenwich, Conn., and G. E. Rohmer, Woodside, N. Y., assignors to The Booraem & Rohmer Patent Company. Expansion-bolt. No. 1,120,368; Dec. 8; Gaz. vol. 209; p. 544.
- Booraem, John F., Greenwich, Conn., and G. E. Rohmer, Ridgefield Park, N. J., assignors to The Booraem & Rohmer Patent Company. Fastening device. No. 1,120,369; Dec. 8; Gaz. vol. 209; p. 545.
- Booraem, John V. (See Jacquart and Booraem.)
- Booraem & Rohmer Patent Company, The. (See Booraem and Rohmer, assignors.)
- Booraem & Rohmer Patent Company, The. (See Rohmer and Booraem, assignors.)
- Booraem & Rohmer Patent Company, The. (See Rohmer, Booraem, and Morley, assignors.)
- Booraem, William W., Evanston, Ill. Foldable table. No. 1,101,992; June 30; Gaz. vol. 203; p. 1433.
- Boorman, Ora M., Oshkosh, Wis. Holder. No. 1,108,687; Aug. 25; Gaz. vol. 205; p. 1223.
- Boos, Henry P., Minneapolis, Minn. Dental bridge. No. 1,111,730; Sept. 29; Gaz. vol. 206; p. 1168.
- Boosey, Edward W. N., Detroit, Mich. Floor-plate for closet-bowls and the like. No. 1,112,760; Oct. 6; Gaz. vol. 207; p. 124.
- Boosveld, Frank B., Lynchburg, Ohio. Rake-cleaner. No. 1,092,011; Mar. 31; Gaz. vol. 200; p. 1307.
- Booth, Charles A., Brunswick, assignor of seven-sixteenths to J. W. Cavey, Baltimore, Md. Automatic adjusting device for brakes. No. 1,107,576; Aug. 18; Gaz. vol. 205; p. 789.
- Booth, Irving E. (See Booth and Flynt.)

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- Booth, Jack M., American Falls, Idaho. Post or pole. No. 1,089,459; Mar. 10; Gaz. vol. 200; p. 316.
- Booth, James. (See Thornley and Booth.)
- Booth, John, Peru, Ind. Swinging mirrors for wardrobes and dressers. No. 1,088,764; Mar. 3; Gaz. vol. 200; p. 31.
- Booth, John, Peru, Ind. Swinging-mirror support for dressers. No. 1,088,765; Mar. 3; Gaz. vol. 200; p. 31.
- Booth, M. E. (See James, William H., assignor.)
- Booth, Oscar D., assignor to Everett Current Motor Company, Everett, Wash. Current-motor. No. 1,112,352; Sept. 29; Gaz. vol. 206; p. 1386.
- Booth, Quentin W. and I. E., and L. W. G. Flynt, Rochester, N. Y., assignors, by mesne assignments, to Boston Machine Works Company. Folding-machine. No. 1,095,699; May 5; Gaz. vol. 202; p. 180.
- Booth, Robert D., Philadelphia, Pa., assignor to The Psarski Dyeing Machine Company, Cleveland, Ohio. Dyeing-machine. No. 1,113,405; Oct. 13; Gaz. vol. 207; p. 390.
- Booth, William. (See Arnfield and Booth.)
- Booth, William R., Gravette, Ark. Portable drilling-stand. No. 1,111,944; Sept. 29; Gaz. vol. 206; p. 1246.
- Boothe, Gardner L., et al., executors. (See Janney, Eli H.)
- Boothe, William W., Paris, assignor of one-half to J. A. Dickson, Deport, Tex. Sanitary closet. No. 1,120,125; Dec. 8; Gaz. vol. 209; p. 458.
- Booton, Clara B. (See Booton, William S. and C. B.)
- Booton, William S. and C. B., Nashville, Tenn. Card game. No. 1,117,316; Nov. 17; Gaz. vol. 208; p. 725.
- Bopp, Clinton L., Waterloo, Iowa. Equipment for locomotives. No. 1,085,011; Jan. 20; Gaz. vol. 198; p. 642.
- Bopp, Clinton L., Waterloo, Iowa. Electric time-release air-valve. No. 1,085,012; Jan. 20; Gaz. vol. 198; p. 643.
- Bopp, Clinton L., Waterloo, Iowa. Induction automatic stop and cab-signal system. No. 1,114,430; Oct. 20; Gaz. vol. 207; p. 790.
- Bopp, Clinton L., Waterloo, Iowa. Automatic signaling device. No. 1,114,432; Oct. 20; Gaz. vol. 207; p. 791.
- Bopp, Clinton L., Waterloo, Iowa. Automatic train-stop and cab-signal. No. 1,114,433; Oct. 20; Gaz. vol. 207; p. 791.
- Bopp, Clinton L., Hawkeye, Iowa. Automatic railway signaling system. No. 1,114,427; Oct. 20; Gaz. vol. 207; p. 789.
- Bopp, Clinton L., Hawkeye, Iowa. Automatic railway-signal and relay therefor. No. 1,114,428; Oct. 20; Gaz. vol. 207; p. 789.
- Bopp, Clinton L., Hawkeye, Iowa. Automatic railway signaling device. No. 1,114,429; Oct. 20; Gaz. vol. 207; p. 790.
- Bopp, Clinton L., Hawkeye, Iowa. Pneumatically-timed air-valve. No. 1,114,431; Oct. 20; Gaz. vol. 207; p. 791.
- Bopp, Clinton L., Hawkeye, Iowa. Automatic speed control for railway-trains. No. 1,114,434; Oct. 20; Gaz. vol. 207; p. 792.
- Borchardt, Hugo, Charlottenburg, Germany. Toggle-breech mechanism for automatic firearms. No. 1,090,515; Mar. 17; Gaz. vol. 200; p. 725.
- Borchers, Herbert L., St. Louis, Mo. Condenser. No. 1,117,161; Nov. 17; Gaz. vol. 208; p. 667.
- Borchers, Wilhelm. (See Wolf-Burckhardt and Borchers.)
- Borchers, Wilhelm, Aachen, Germany, and H. Pedersen, Trondhjem, Norway. Extraction of copper and nickel, particularly from low-grade ores and products. No. 1,101,115; June 23; Gaz. vol. 203; p. 1078.
- Borchert, Fred L., Rockford, Ill. Laundry-tag. No. 1,120,592; Dec. 8; Gaz. vol. 209; p. 624.
- Borden, Bradford, Warren, assignor, by mesne assignments, to The Hart Manufacturing Company, Cleveland, Ohio. Taper-thread-cutting tool. No. 1,102,713; July 7; Gaz. vol. 204; p. 171.
- Borden, Charles H., Hartford, Conn. Direction-indicating apparatus for automobiles. No. 1,14,676; Oct. 20; Gaz. vol. 207; p. 874.
- Borden Company, The. (See Bechtel, Milton W., assignor.)
- Borden Company, The. (See Nonneman, Ira W., assignor.)
- Borden, Henry P., Montreal, Quebec, Canada. Bridge construction. No. 1,096,348; May 12; Gaz. vol. 202; p. 438.
- Borden, Philip H., Portland, Me. Device for indicating the cardinal points. No. 1,102,219; June 30; Gaz. vol. 203; p. 1515.
- Borden, Thomas P., et al. (See Seaman, Albert J., assignor.)
- Borden's Condensed Milk Company. (See Hausheer, Bernard, assignor.)
- Borden's Condensed Milk Company. (See James, Llewellyn, assignor.)
- Borders, Michael W. (See Cleary, James C., assignor.)
- Borders, Michael W. (See Kimball, George S., assignor.)
- Bordo, Lambert J., Philadelphia, Pa. Blow-off valve. No. 1,084,601; Jan. 20; Gaz. vol. 198; p. 502.
- Bordo, Lambert J., Roslyn, Pa. Blow-off valve. No. 1,085,013; Jan. 20; Gaz. vol. 198; p. 643.
- Bordo, Lambert J., Philadelphia, Pa. Flexible metallic train-pipe connection. No. 1,106,918; Aug. 11; Gaz. vol. 205; p. 510.
- Boreham, Charles A., Coalinga, Cal. Vehicle-spring. (Re-issue.) No. 1,371; Apr. 7; Gaz. vol. 201; p. 238.
- Boreham, Charles A., Coalinga, Cal. Spring-clamp. No. 1,097,386; May 19; Gaz. vol. 202; p. 838.
- Boreham, Charles A., Coalinga, Cal. Vehicle-spring. No. 1,108,424; Aug. 25; Gaz. vol. 205; p. 1131.
- Borel, Joseph, and F. Grange, Annecy, France. Press-button. No. 1,102,975; July 7; Gaz. vol. 204; p. 260.
- Borer, Benjamin. (See Cohen, Max, assignor.)
- Borg & Beck Company, The. (See Beck, Marshall, assignor.)
- Borg & Beck Company, The. (See Nelson, Gustave C., assignor.)
- Borg, Oscar M. (See O'Brien, Beall, Crook, and Borg.)
- Borgardt, Gotthard A., Camden, N. J. Landing-net. No. 1,088,766; Mar. 3; Gaz. vol. 200; p. 31.
- Borgert, William C., assignor to J. F. Walton, Sturgis, Mich. Adjustable chair. No. 1,087,526; Feb. 17; Gaz. vol. 199; p. 773.
- Borgetti, Domenick, Chicago, Ill. Scissors. No. 1,090,130; Mar. 17; Gaz. vol. 200; p. 588.
- Borghi, Amiel. (See Carter, John B., assignor.)
- Borgolte, Frederick, Hutchinson, Kans. Disinfecting device for mausoleums. No. 1,093,823; Apr. 21; Gaz. vol. 201; p. 654.
- Boright, Guy C., et al. (See Pickering, Frederick G., assignor.)
- Boring, Clement W., Bradford, Pa. Means for cooling the valve-chests of air-compressors. No. 1,113,873; Oct. 13; Gaz. vol. 207; p. 554.
- Borland, Bruce, Chicago, Ill. Gearing. No. 1,095,373; May 5; Gaz. vol. 202; p. 69.
- Borland, Bruce, Chicago, Ill. Motor control. No. 1,103,027; July 14; Gaz. vol. 204; p. 327.
- Borland, Bruce, Chicago, Ill. Moving-picture machine. No. 1,106,076; Aug. 4; Gaz. vol. 205; p. 171.
- Borland, Samuel, Wellston, Ohio. Signal apparatus. No. 1,108,860; Aug. 25; Gaz. vol. 205; p. 1284.
- Born, Gabriel F., Gnadenhutzen, Ohio. Window-screen. No. 1,110,036; Sept. 8; Gaz. vol. 206; p. 459.
- Born, William G., Chehalis, Wash. Manifold-book. No. 1,085,014; Jan. 20; Gaz. vol. 198; p. 644.
- Borneman, William. (See Schuele and Borneman.)
- Borner, Eugen, Offenburg, Germany. Production of fresco-paintings and colored weatherproof architectural ornaments. No. 1,116,979; Nov. 10; Gaz. vol. 208; p. 566.
- Bornholt, Oscar C., Detroit, Mich. Transmission mechanism. No. 1,112,429; Oct. 6; Gaz. vol. 207; p. 4.
- Bornmann, Ernst, assignor to J. A. Topf & Soehne, Erfurt, Germany. Drying or cooling granular materials. No. 1,102,714; July 7; Gaz. vol. 204; p. 172.
- Bornstedt, Charles A., Epping, N. D. Grain-measuring device. No. 1,119,059; Dec. 1; Gaz. vol. 209; p. 57.
- Borresen, Helge A., Marquette, Mich. Cabinet for sound-reproducing machines. No. 1,109,386; Sept. 1; Gaz. vol. 206; p. 189.
- Borresen, Helge A., Marquette, Mich. Turret-pliers. No. 1,110,528; Sept. 15; Gaz. vol. 206; p. 674.
- Borrowdale, Thomas, Chicago, Ill. Amusement device. No. 1,101,054; June 23; Gaz. vol. 203; p. 1058.
- Borschneck, Charles F., Knoxville, Pa. Electric display system. No. 1,110,872; Sept. 15; Gaz. vol. 206; p. 796.
- Borsody, Frank, New York, N. Y. Syringe. No. 1,098,220; May 26; Gaz. vol. 202; p. 1173.
- Borst, Frederick H., Philip, S. D. Tooth-brush. No. 1,085,240; Jan. 27; Gaz. vol. 198; p. 758.
- Borst, John E. (See Van Akin and Borst.)
- Bortel, Frank E. (See Perkins, Joseph G., assignor.)
- Borkewicz, Ludwik, Burgettstown, Pa. Loose-leaf holder. No. 1,120,437; Dec. 8; Gaz. vol. 209; p. 569.
- Borton, George W., Haddonfield, N. J., and J. L. Hiller, East Mattapoisett, Mass., assignors to Pennsylvania Crusher Company, Philadelphia, Pa. Coal breaker and cleaner. No. 1,086,129; Feb. 3; Gaz. vol. 199; p. 197.
- Borwick, Matthew, et al. (See Walker, William F., assignor.)
- Börzsöny, Armin, New York, N. Y., assignor, by mesne assignments, to Victor Talking Machine Company. Talking-machine cabinet. No. 1,122,679; Dec. 29; Gaz. vol. 209; p. 1473.
- Borzykowski, Benno, Berlin, Germany. Apparatus for the production of films. No. 1,090,679; Mar. 17; Gaz. vol. 200; p. 779.
- Borzykowski, Benno, Charlottenburg, Germany. Producing cupra-ammonium solutions. No. 1,100,518; June 16; Gaz. vol. 203; p. 818.
- Bosch, Carl, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Working with hydrogen under pressure. No. 1,086,130; Feb. 3; Gaz. vol. 199; p. 197.
- Bosch, Carl, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing hydrogen and apparatus therefor. No. 1,102,716; July 7; Gaz. vol. 204; p. 172.
- Bosch, Carl, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing ammonium sulfate. No. 1,106,919; Aug. 11; Gaz. vol. 205; p. 510.

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- Bosch, Carl, and A. Mittasch, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing ammonia. No. 1,089,185; Mar. 3; Gaz. vol. 200; p. 178.
- Bosch, Carl, and A. Mittasch, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Purification of mixtures containing nitrids. No. 1,102,715; July 7; Gaz. vol. 204; p. 172.
- Bosch, Carl, and A. Mittasch, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing ammonia. No. 1,118,628; Nov. 24; Gaz. vol. 208; p. 1224.
- Bosch, Carl, and W. Wild, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing hydrogen. No. 1,113,096; Oct. 6; Gaz. vol. 207; p. 236.
- Bosch, Carl, and W. Wild, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing hydrogen. No. 1,113,097; Oct. 6; Gaz. vol. 207; p. 236.
- Bosch, Carl, and W. Wild, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Norsk Hydroelektrisk Kvaestofaktieselskab, Christiania, Norway. Production of commercially-pure nitrates. No. 1,115,164; Oct. 27; Gaz. vol. 207; p. 1102.
- Bosch, Carl, and W. Wild, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing hydrogen. No. 1,115,776; Nov. 3; Gaz. vol. 208; p. 104.
- Bosch, Carl, A. Mittasch, H. Wolf, Ludwigshafen-on-the-Rhine, and G. Stern, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of ammonia. No. 1,094,194; Apr. 21; Gaz. vol. 201; p. 779.
- Bosch, Henry, Chicago, Ill. Die for embossing and cutting wall-paper. No. 1,088,319; Feb. 24; Gaz. vol. 199; p. 1094.
- Bosch, Firm of Robert. (See Brenot, Maxime C., assignor.)
- Bosch, Firm of Robert. (See Diemer, Anton, assignor.)
- Bosch, Firm of Robert. (See Honold, Gottlob, assignor.)
- Bosch, Firm of Robert. (See Kratz, Franz, assignor.)
- Bosch, Firm of Robert. (See Krauss, Adolf, assignor.)
- Bosch, Firm of Robert. (See Rall, Max, assignor.)
- Bosch, Firm of Robert. (See Schäfer, Max, assignor.)
- Bosch, Firm of Robert. (See Seck, Willy, assignor.)
- Bosch, Firm of Robert. (See Woerner, Eugen, assignor.)
- Bosch, Firm of Robert. (See Zahringier, Arnold, assignor.)
- Bosdevex, Edmond F., assignor of one-third to N. Armstrong, Philadelphia, Pa. Railway-crossing. No. 1,100,346; June 16; Gaz. vol. 203; p. 759.
- Bosen, Peter, Slayton, Minn. Automatic gate-latch. No. 1,094,637; Apr. 28; Gaz. vol. 201; p. 990.
- Bosio, Peter. (See Boldizzoni, Teobaldo, assignor.)
- Boss Manufacturing Company, The. (See Miller, Gustave L., assignor.) (Reissue.)
- Boss Manufacturing Company. (See Waller, Peter A., assignor.)
- Boss, Thomas H., assignor of one-half to Hill-Independent Mfg. Co., Muskegon, Mich. Numbering-machine. No. 1,091,279; Mar. 24; Gaz. vol. 200; p. 1015.
- Bossé, Adolphe E., Pittsburgh, Pa. Refrigerating apparatus. No. 1,092,426; Apr. 7; Gaz. vol. 201; p. 105.
- Bosse, Christian, Waipahu, Hawaii. Sugar-cane mill. No. 1,083,983; Jan. 13; Gaz. vol. 198; p. 268.
- Bossert, Charles P., assignor to Pfister & Vogel Leather Co., Milwaukee, Wis. Conveying apparatus. No. 1,101,613; June 30; Gaz. vol. 203; p. 1301.
- Bossert, Ludwig J. (See Storm, Hermann J., assignor.)
- Bosshard, Arnold, Aborn, Switzerland. Antiskidding device for vehicle-wheels. No. 1,119,234; Dec. 1; Gaz. vol. 209; p. 116.
- Bossingham, John E., Canton, Ohio. Annealing-box bottom. No. 1,105,059; July 28; Gaz. vol. 204; p. 1121.
- Bossu, Pierre, assignor to Société Anonyme des Etablissements L. Bleriot, Paris, France. Electromagnet and similar apparatus. No. 1,106,187; Aug. 4; Gaz. vol. 205; p. 210.
- Bost, Arthur E., Waelder, Tex. Plow. No. 1,085,533; Jan. 27; Gaz. vol. 198; p. 856.
- Bostock, Francis J. (See Brown and Bostock.)
- Bostock, Frederick L., Pittston, Pa. Tool. No. 1,109,507; Sept. 1; Gaz. vol. 206; p. 228.
- Bostock, William F., Providence, R. I. Applying protectors to shoes. No. 1,103,170; July 14; Gaz. vol. 204; p. 378.
- Boston Automatic Machine Company. (See Richardson, Charles F., assignor.)
- Boston Bottle Wiring & Labeling Company. (See Greene, Henry C., assignor.)
- Boston Machine Works Company. (See Booth and Flynt, assignors.)
- Boston Machine Works Company. (See Marshall, Charles S., assignor.)
- Boston Machinery Company. (See Petersen, Anker, assignor.)
- Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)
- Bostrom, Ernst A., Atlanta, Ga. Nutcracker. No. 1,094,698; Apr. 28; Gaz. vol. 201; p. 1012.
- Bostwick, Amon D., Cheyenne, Wyo. Tying device. No. 1,095,700; May 5; Gaz. vol. 202; p. 180.
- Bostwick, Arthur B., Brooklyn, N. Y. Stencil. No. 1,111,002; Sept. 22; Gaz. vol. 206; p. 883.
- Bostwick, Frank B., Plainfield, N. J. Aseptic dental-waste receiver. No. 1,088,962; Mar. 3; Gaz. vol. 200; p. 100.
- Bostwick Steel Lath Company, The. (See Sanderson, Robert L., assignor.)
- Boswau, Johannes P. C., assignor to Western Electric Company, New York, N. Y. Selective signaling device. No. 1,101,679; June 30; Gaz. vol. 203; p. 1323.
- Bosworth, Charles O., Los Angeles, Cal. Amusement device. No. 1,084,390; Jan. 13; Gaz. vol. 198; p. 404.
- Bosworth, Percy B., Akron, Ohio. Vehicle wheel-rim. No. 1,089,899; Mar. 10; Gaz. vol. 200; p. 468.
- Bosworth, Percy B., Akron, Ohio. Rim for wheels. No. 1,108,546; Aug. 25; Gaz. vol. 205; p. 1176.
- Bosworth, Percy B., assignor to Firestone Tire & Rubber Company, Akron, Ohio. Demountable rim for vehicle-tires. No. 1,094,052; Apr. 21; Gaz. vol. 201; p. 730.
- Bosz, Frank. (See Liess, William, assignor.)
- Both, Tonjes A. C., assignor to I. S. Rosenheim, New York, N. Y. Electrical apparatus. No. 1,101,055; June 23; Gaz. vol. 203; p. 1059.
- Both, Tonjes A. C., Malden, assignor to The Zee Socket and Mfg. Co., Boston, Mass. Socket-shell. No. 1,108,547; Aug. 25; Gaz. vol. 205; p. 1177.
- Bothwell, George W., Ontario, Cal. Heater. No. 1,116,789; Nov. 10; Gaz. vol. 208; p. 500.
- Bothwell, George W., Ontario, Cal. Feed means for oil-burning apparatus. No. 1,116,790; Nov. 10; Gaz. vol. 208; p. 500.
- Botnen, Knudt, Dunbar, Iowa. Corn-planter. No. 1,087,918; Feb. 24; Gaz. vol. 199; p. 954.
- Botteese, Shearman, Washington, D. C. Truck. No. 1,122,849; Dec. 29; Gaz. vol. 209; p. 1532.
- Bottenstein, Leopold, Albany, N. Y. Smoke-washer. No. 1,102,996; July 7; Gaz. vol. 204; p. 267.
- Bottger, Henry E. C., Woodside, Cal. Clamp for wire-stretchers. No. 1,086,131; Feb. 3; Gaz. vol. 199; p. 197.
- Bottjer, Henry, New York, N. Y. Window-cleaning platform. No. 1,088,525; Feb. 24; Gaz. vol. 199; p. 1162.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Manifolding sales-book. No. 1,107,577; Aug. 18; Gaz. vol. 205; p. 790.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Manifolding sales-book. No. 1,107,578; Aug. 18; Gaz. vol. 205; p. 790.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Manifolding sales-book. No. 1,108,486; Aug. 25; Gaz. vol. 205; p. 1155.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Manifolding sales-book. No. 1,108,487; Aug. 25; Gaz. vol. 205; p. 1155.
- Bottle, Edward K., Niagara Falls, N. Y., assignor, by mesne assignments, to American Sales Book Company, Limited, Manifolding sales-book. No. 1,112,761; Oct. 6; Gaz. vol. 207; p. 124.
- Bottlers Machinery Manufacturing Company. (See Strasburger, Frank C. H., assignor.)
- Bottner, Harry B., Marshalltown, Iowa. Wire-splicer. No. 1,111,639; Sept. 22; Gaz. vol. 206; p. 1103.
- Bottom, Arthur, Thorne, Alberta, Canada. Attachment for seed-drills. No. 1,094,422; Apr. 28; Gaz. vol. 201; p. 913.
- Bottomley, William B., London, England. Treatment of peat for manurial and other purposes. No. 1,106,275; Aug. 4; Gaz. vol. 205; p. 238.
- Botts, Ira, Los Angeles, Cal. Lathe-tool holder. No. 1,092,012; Mar. 31; Gaz. vol. 200; p. 1307.
- Bouché, William F. (See Jepson and Bouché.)
- Boucher, Anthelme, Prilly-Chasseur, Switzerland, assignor to Société "Le Per", Société Anonyme, Grenoble, France. Industrial manufacture of electrolytic iron. No. 1,086,132; Feb. 3; Gaz. vol. 199; p. 198.
- Boucher, Francis H., Marshalltown, Iowa. Vaginal speculum. No. 1,119,794; Dec. 8; Gaz. vol. 209; p. 343.
- Bouchery, August, assignor, by mesne assignments, to Wallace Novelty Company, New York, N. Y. Suction supporting device. No. 1,117,548; Nov. 17; Gaz. vol. 208; p. 805.
- Bouchet, Maurice, Paris, France. Marine safety device. No. 1,086,989; Feb. 10; Gaz. vol. 199; p. 536.
- Boudreau, Joseph H., Grant township, Kearney county, assignor of one-half to R. Forest, Logan township, Nebr. Gate-operating mechanism. No. 1,096,015; May 12; Gaz. vol. 202; p. 322.
- Boughton, John W., Philadelphia, Pa. Match-holder and gas-turner. No. 1,088,005; Feb. 24; Gaz. vol. 199; p. 987.
- Boughton, John W., Philadelphia, Pa. Airship. No. 1,109,658; Sept. 8; Gaz. vol. 206; p. 322.

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- Bouillet, Eugene, Long Island City, N. Y. Aeronautical apparatus. No. 1,084,248; Jan. 13; Gaz. vol. 198; p. 360.
- Bouillet, Jean, Levallois-Perret, assignor to Company "Le Sablage Industriel," Paris, France. Machine for cleaning and graining lithographic stones, zinc, &c. No. 1,091,036; Mar. 24; Gaz. vol. 200; p. 933.
- Bouillon, Christian, Payne, and P. Bouillon, Bellevue, Ohio. Fastener for receptacles. No. 1,114,960; Oct. 27; Gaz. vol. 207; p. 1029.
- Bouillon, Jules A., Bazoches en Houlmes, France. Acetylene-generator. No. 1,084,691; Jan. 20; Gaz. vol. 198; p. 535.
- Bouillon, Philip. (See Bouillon, Christian and P.)
- Bouldin, Homer R., and R. Shoemaker, San Bernardino, Cal. Rotary pulverizing-amalgamator. No. 1,097,162; May 19; Gaz. vol. 202; p. 760.
- Boult, James W., Spokane, Wash. Control-lever-locking device. No. 1,083,793; Jan. 6; Gaz. vol. 198; p. 175.
- Boulter, Royal L., Los Angeles, Cal. Telegraph-key. No. 1,109,818; Sept. 8; Gaz. vol. 206; p. 379.
- Boulter, Royal L., Los Angeles, Cal. Telegraph-key. No. 1,110,373; Sept. 15; Gaz. vol. 206; p. 619.
- Boulthouse, William. (See Corey and Boulthouse.)
- Boulthouse, William. (See Folger, Comstock, Corey, and Boulthouse.)
- Boum, Joseph. (See Hall, Walter W., assignor.)
- Bounds, James R. (See Bounds, Thomas C., assignor.)
- Bounds, Thomas C., assignor of one-half to J. R. Bounds, Wahalak, Miss. Rope-measuring apparatus. No. 1,120,126; Dec. 8; Gaz. vol. 209; p. 458.
- Bourcart, Paul, Paris, France. Apparatus for producing the inward run of the carriage in self-acting mules. No. 1,120,895; Dec. 15; Gaz. vol. 209; p. 779.
- Bourcier, Gabriel, Erith, assignor to Vickers Limited, Westminster, England. Internal-combustion engine. No. 1,100,347; June 16; Gaz. vol. 203; p. 760.
- Bourcoud, Augustin E., London, England. Manufacture of iron and other metals. No. 1,086,133; Feb. 3; Gaz. vol. 199; p. 198.
- Bourcoud, Augustin E., London, England. Means or apparatus in or relating to the manufacture of iron and other metals. No. 1,086,134; Feb. 3; Gaz. vol. 199; p. 198.
- Bourdeau, Zephirin, Taunton, Mass. Metallic rail-tie. No. 1,100,209; June 16; Gaz. vol. 203; p. 712.
- Bourdelle, Emile, Paris, France. Wheeled gun-carriage. No. 1,112,430; Oct. 6; Gaz. vol. 207; p. 4.
- Bourdelle, Emile, assignor to Schneider & Cie., Paris, France. Wheeled gun-carriage. No. 1,090,680; Mar. 17; Gaz. vol. 200; p. 780.
- Bourdelle, Emile, assignor to Schneider & Cie., Paris, France. Breech-loading gun. No. 1,092,763; Apr. 7; Gaz. vol. 201; p. 220.
- Bourdelle, Emile, assignor to Schneider & Cie., Paris, France. Breech-loading gun. No. 1,110,105; Sept. 8; Gaz. vol. 206; p. 484.
- Bourdelle, Emile, assignor to Schneider & Cie., Paris, France. Wheeled gun-carriage. No. 1,111,785; Sept. 29; Gaz. vol. 206; p. 1191.
- Bourdelle, Emile, assignor of one-half to Compagnie des Forges et Aciéries de la Marine et d'Homécourt, Paris, France. Elevation-controlled firing apparatus for guns. No. 1,096,673; May 12; Gaz. vol. 202; p. 545.
- Bourdelle, Emile, assignor of one-half to Compagnie des Forges et Aciéries de la Marine et d'Homécourt, Paris, France. Elevation-controlled firing apparatus for guns. No. 1,098,612; June 2; Gaz. vol. 203; p. 88.
- Bourdil, Francois F., assignor to Société Anonyme "Apicea," Paris, France. Safety device for overhead electric lines. No. 1,094,699; Apr. 28; Gaz. vol. 201; p. 1013.
- Bouret, Guillaume, Paris, France. Rotary internal-combustion engine. No. 1,093,309; Apr. 14; Gaz. vol. 201; p. 444.
- Bourgeois, Albert, Lafourche Crossing, La. Resilient wheel. No. 1,120,896; Dec. 15; Gaz. vol. 209; p. 779.
- Bourke, Frances. (See Bourke, William, assignor.)
- Bourke, William, assignor to F. Bourke, New York, N. Y. Button. No. 1,086,017; Feb. 3; Gaz. vol. 199; p. 157.
- Bourne, Charles O., Melrose, Mass. Leg-band. No. 1,109,394; Sept. 1; Gaz. vol. 206; p. 192.
- Bourne, Phillips P., Somerville, Mass., assignor to The Blake & Knowles Steam Pump Works, New York, N. Y. Engine for air-pumps. No. 1,120,015; Dec. 8; Gaz. vol. 209; p. 419.
- Bournonville, Eugene M., Jersey City, N. J. Internal-combustion engine. No. 1,096,094; May 12; Gaz. vol. 202; p. 349.
- Bournonville, Eugene M., Jersey City, N. J. Internal-combustion engine. No. 1,118,730; Nov. 24; Gaz. vol. 208; p. 1259.
- Bournonville, Eugene M., Jersey City, N. J. Internal-combustion engine. No. 1,119,494; Dec. 1; Gaz. vol. 209; p. 205.
- Bourquin, Numa. (See Willson and Bourquin.)
- Bourrasa, Alexander, Chicago Heights, Ill. Rail-joint. No. 1,112,670; Oct. 6; Gaz. vol. 207; p. 93.
- Bousfield, Alfred, St. Johnsbury, Vt. Track-scale. No. 1,097,077; May 19; Gaz. vol. 202; p. 730.
- Bouska, Joseph, Bridgeport, Wash. Chair-brace. No. 1,096,016; May 12; Gaz. vol. 202; p. 323.
- Boutell Manufacturing Company. (See Boutell, William H., assignor.)
- Boutell, William H., assignor to Boutell Manufacturing Company, Rochester, N. Y. Fruit or vegetable slicing machine. No. 1,102,467; July 7; Gaz. vol. 204; p. 86.
- Bouthinon, George G., assignor to G. B. Garage Company, Hempstead, N. Y. Valve-truing device. No. 1,097,841; May 26; Gaz. vol. 202; p. 1040.
- Bouyer, Felix H. A., fils, St. Nazaire, France. Hand-operated tilling implement. No. 1,086,642; Feb. 10; Gaz. vol. 199; p. 417.
- Bovee, Ransom Y., Denver, Colo. Internal-combustion pressure-pump. No. 1,105,747; Aug. 4; Gaz. vol. 205; p. 56.
- Bowden, Thomas C. (See Bean, Arthur E., assignor.)
- Bowdidge, Sidney, Brookline, Mass. Funnel. No. 1,088,649; Feb. 24; Gaz. vol. 199; p. 1202.
- Bowdidge, Thomas H. (See Gentle, Cuthbert, assignor.)
- Bowdidge, Thomas H., Boston, Mass. Tack-hammer. No. 1,097,521; May 19; Gaz. vol. 202; p. 883.
- Bowdish, M. J., et al. (See Beaird, William F., assignor.)
- Bowditch, James. (See Sawyer and Bowditch.)
- Bowditch, John P., Framingham, Mass. Cow-barn. No. 1,090,131; Mar. 17; Gaz. vol. 200; p. 588.
- Bowditch, Nathaniel, Aurora, Ill. Cotton-picking machine. No. 1,119,795; Dec. 8; Gaz. vol. 209; p. 343.
- Bowditch, Nathaniel, Aurora, Ill. Cotton-picking machine. No. 1,119,796; Dec. 8; Gaz. vol. 209; p. 343.
- Bowditch, Nathaniel, Aurora, Ill. Cotton-picking machine. No. 1,119,797; Dec. 8; Gaz. vol. 209; p. 344.
- Bowdle, George F. (See O'Brien and Bowdle.)
- Bowdren, George P., Hempstead, N. Y. Water-closet valve. No. 1,122,190; Dec. 22; Gaz. vol. 209; p. 1264.
- Bowen, Adna G., Medina, N. Y. Vehicle steering mechanism. No. 1,120,016; Dec. 8; Gaz. vol. 209; p. 420.
- Bowen, Carl R., Haileyville, Okla. Printing device for cars. No. 1,094,298; Apr. 21; Gaz. vol. 201; p. 811.
- Bowen, Charlie H., and D. A. Braken, Jasper, Minn. Corn-crib door. No. 1,111,822; Sept. 29; Gaz. vol. 206; p. 1204.
- Bowen, Dana T., Cleveland, Ohio. Locking contrivance. No. 1,123,078; Dec. 29; Gaz. vol. 209; p. 1613.
- Bowen, Edward L., Duluth, Minn. Oar-lock. No. 1,122,361; Dec. 29; Gaz. vol. 209; p. 1362.
- Bowen, Ephraim N., assignor to Auto-Tri Manufacturing Company, Buffalo, N. Y. Transmission-gearing. No. 1,088,398; Feb. 24; Gaz. vol. 199; p. 1121.
- Bowen, Fredrick D., and S. T. Clutter, Monett, Mo. Valve. No. 1,119,060; Dec. 1; Gaz. vol. 209; p. 57.
- Bowen, George M., Brooklyn, N. Y. Odorless garbage-can cover. No. 1,121,161; Dec. 15; Gaz. vol. 209; p. 873.
- Bowen, George W. (See Pribil, Alexis R., assignor.)
- Bowen, George W. (See Zerk, Oscar, assignor.)
- Bowen, George W., Auburn, N. Y. Making lubricating devices or grease-cups. No. 1,099,873; June 9; Gaz. vol. 203; p. 558.
- Bowen, Harry, assignor to The Holton Company, Jackson, Mich. Work-holder for drilling-machines. No. 1,093,029; Apr. 14; Gaz. vol. 201; p. 344.
- Bowen, Harry, assignor to The Holton Company, Jackson, Mich. Centering attachment for cutting-off machines. No. 1,109,957; Sept. 8; Gaz. vol. 206; p. 430.
- Bowen, Herbert A., assignor to National Dump Car Company, Chicago, Ill. Dump-door-operating mechanism. No. 1,112,593; Oct. 6; Gaz. vol. 207; p. 65.
- Bowen, James H., Philadelphia, Pa. Cigar-cutter. No. 1,084,195; Jan. 13; Gaz. vol. 198; p. 342.
- Bowen, Lewis J., Driggs, Idaho. Cow-tail holder. No. 1,118,526; Nov. 24; Gaz. vol. 208; p. 1188.
- Bowen, Otis E. (See Willet and Bowen.)
- Bowen, Philip, assignor to L. A. Little, Lynn, Mass. Shoe-tree. No. 1,119,744; Dec. 1; Gaz. vol. 209; p. 289.
- Bowen, Philip A., assignor to L. A. Little, Lynn, Mass. Last. No. 1,115,279; Oct. 27; Gaz. vol. 207; p. 1142.
- Bowen, Philip A., assignor to L. A. Little, Lynn, Mass. Sole-leveling machine. No. 1,117,775; Nov. 17; Gaz. vol. 208; p. 887.
- Bowen, Roger, and W. F. Sweeney, Southwest, Pa. Tire-protector. No. 1,109,278; Sept. 1; Gaz. vol. 206; p. 149.
- Bowen, Russell H., Philadelphia, Pa. Shock-absorber. No. 1,101,993; June 30; Gaz. vol. 203; p. 1434.
- Bowen, Russell H., assignor to The American Pulley Company, Philadelphia, Pa. Journal-box. No. 1,101,831; June 30; Gaz. vol. 203; p. 1375.
- Bower, Abram L., Boyertown, Pa. Train-controlling device. No. 1,115,494; Nov. 3; Gaz. vol. 208; p. 9.
- Bower, Carl E., Bethel, Mo. Window-screen. No. 1,087,714; Feb. 17; Gaz. vol. 199; p. 841.
- Bower, Earnest W. (See Host, Bower, and Gordon.)
- Bower, John F., Williamsport, Pa. Watering-trough. No. 1,112,971; Oct. 6; Gaz. vol. 207; p. 195.
- Bower, Lewis A., Sigourney, Iowa. Salt and pepper box. No. 1,120,678; Dec. 15; Gaz. vol. 209; p. 702.

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- Bower, Robert A., San Francisco, Cal. Coil-supporting post for electrical water-heaters. No. 1,097,291; May 19; Gaz. vol. 202; p. 806.
- Bower, Robert A., San Francisco, Cal. Faucet-lever for electrical water-heaters. No. 1,097,292; May 19; Gaz. vol. 202; p. 806.
- Bower, Robert A., San Francisco, Cal. Faucet-bracket for electrical water-heaters. No. 1,097,293; May 19; Gaz. vol. 202; p. 806.
- Bower, Robert A., assignor to Sales Company, Incorporated, San Francisco, Cal. Sealing-plug for electrical water-heaters. No. 1,103,171; July 14; Gaz. vol. 204; p. 378.
- Bowerman, Louis, Portland, Oreg. Concentrator. No. 1,118,393; Nov. 24; Gaz. vol. 208; p. 1140.
- Bowers, Ernest C., Kalamazoo, assignor, by mesne assignments, to National Standard Company, Niles, Mich. Pawl-and-ratchet mechanism. No. 1,111,128; Sept. 22; Gaz. vol. 206; p. 926.
- Bowers, Frank E., Indianapolis, Ind. Poultry-feeder. No. 1,118,629; Nov. 24; Gaz. vol. 208; p. 1224.
- Bowers, John R., J. A. Potter, and C. B. Darnell, Newburg, Mo. Rail-bond. No. 1,118,731; Nov. 24; Gaz. vol. 208; p. 1259.
- Bowers, Lionel F., assignor to Columbia Manufacturing Company, Columbia, Pa. Driving mechanism. No. 1,093,248; Apr. 14; Gaz. vol. 201; p. 421.
- Bowers, Lionel F., assignor to Columbia Mfg. Co., Columbia, Pa. Cuff-press. No. 1,109,508; Sept. 1; Gaz. vol. 206; p. 228.
- Bowers, Lionel F., assignor to Columbia Manufacturing Company, Columbia, Pa. Friction-coupling. No. 1,119,798; Dec. 8; Gaz. vol. 209; p. 344.
- Bowers, Paul, Starbuck, Wash. Arch-tube safety device. No. 1,105,397; July 28; Gaz. vol. 204; p. 1241.
- Bowers, Thomas G., New Haven, Conn. Shoulder-brace. No. 1,093,379; Apr. 14; Gaz. vol. 201; p. 466.
- Bowery, J. Nat. (See King, George W., assignor.)
- Bowes, John J., Jr., Pensacola, Fla. Hose-coupling. No. 1,093,528; Apr. 14; Gaz. vol. 201; p. 512.
- Bowes, Thomas, Carlisle, England. Soap-holder. No. 1,117,634; Nov. 17; Gaz. vol. 208; p. 835.
- Bowie, Augustus J., Jr., San Francisco, Cal. Electrical switch. No. 1,110,374; Sept. 15; Gaz. vol. 206; p. 619.
- Bowker, Ernest S., Chicago, assignor of one-half to A. H. Eminger, Gibson City, Ill. Method and apparatus for forming curved walls. No. 1,103,863; July 14; Gaz. vol. 204; p. 618.
- Bowker, William. (See Midgley, Joseph, assignor.)
- Bowles, James A. (See Berry, John H., assignor.)
- Bowley, Isaac V., Whiterock, Me. Egg-carrier. No. 1,105,398; July 28; Gaz. vol. 204; p. 1242.
- Bowley, James D., Seattle, Wash. Fender. No. 1,114,102; Oct. 20; Gaz. vol. 207; p. 673.
- Bowling, James H., Russellville, Ky. Oil-burner. No. 1,093,249; Apr. 14; Gaz. vol. 201; p. 421.
- Bowlzer, Alfred H., Jr. (See Brown and Bowlzer.)
- Bowman, Benjamin F., Berkeley, Cal. Vehicle-spring. No. 1,094,519; Apr. 28; Gaz. vol. 201; p. 947.
- Bowman, Charles H., Hagerstown, Md. Transporting or landing device. No. 1,085,794; Feb. 3; Gaz. vol. 199; p. 77.
- Bowman, Charles M., Lebanon, Pa. Fire-extinguisher. No. 1,119,799; Dec. 8; Gaz. vol. 209; p. 345.
- Bowman, Daniel M., Floradale, Ontario, Canada. Saw-tooth-resaping device. No. 1,084,602; Jan. 20; Gaz. vol. 198; p. 503.
- Bowman, Evert, *et al.* (See Uffelman, George J., assignor.)
- Bowman, Frank A., and J. E. Briggs, Gilbert, Minn. Steering-gear. No. 1,109,316; Sept. 1; Gaz. vol. 206; p. 163.
- Bowman, Frederick C. (See Stevens, Sylvester G., assignor.)
- Bowman, Frederick J., Cleveland, Ohio. Mechanical chiseling and cleaning device. No. 1,112,972; Oct. 6; Gaz. vol. 207; p. 195.
- Bowman, George W., York, Pa. Cigar-tuck cutter. No. 1,087,715; Feb. 17; Gaz. vol. 199; p. 842.
- Bowman, George W., York, Pa. Cigar-tuck cutter. No. 1,110,106; Sept. 8; Gaz. vol. 206; p. 485.
- Bowman, Henry W., and J. M. Hinkle, Barbourville, Ky. Gas-mixer for engines. No. 1,123,079; Dec. 29; Gaz. vol. 209; p. 1613.
- Bowman, Levi M., Fort Worth, Tex., assignor of one-half to W. C. Farmer, Tulsa, Okla. Automatic fuse-plug. No. 1,097,294; May 19; Gaz. vol. 202; p. 806.
- Bowman, Lewis E., Fredericktown, Ohio. Tooth-brush. No. 1,084,923; Jan. 20; Gaz. vol. 198; p. 613.
- Bowman, Mark D. (See Montgomery, George W., assignor.)
- Bowman, Newton K., North Lawrence, and J. C. Hewitt, assignors to The American Hoop Splice Company, Canton, Ohio. Hoop forming and splicing machine. No. 1,122,680; Dec. 29; Gaz. vol. 209; p. 1473.
- Bowman, Stacy, Curwensville, Pa. Rail-joint. No. 1,100,210; June 16; Gaz. vol. 203; p. 713.
- Bowman, Thomas B., Chicago, Ill. Rail-anchor. No. 1,107,484; Aug. 18; Gaz. vol. 205; p. 757.
- Bowman, Virgil L., Oakland, Cal. Tire-protector. No. 1,112,353; Sept. 29; Gaz. vol. 206; p. 1386.
- Bowman, William A., Republic, Wash. Neck-yoke attachment. No. 1,121,461; Dec. 15; Gaz. vol. 209; p. 975.
- Bown, Henry E., Columbus, Ohio. Commode-pan structure for tilting beds. No. 1,086,584; Feb. 10; Gaz. vol. 199; p. 397.
- Bowne, Frederick N., and D. I. Hawkins, New York, N. Y. Non-refillable bottle. No. 1,102,223; June 30; Gaz. vol. 203; p. 1517.
- Bowne, Frederick N., and D. I. Hawkins, New York, N. Y. Non-refillable bottle. No. 1,120,593; Dec. 8; Gaz. vol. 209; p. 624.
- Bowne, John D., Jamesburg, assignor of one-half to W. B. Harding, Westfield, N. J. Detachable tire-fastener. No. 1,088,200; Feb. 24; Gaz. vol. 199; p. 1054.
- Bowser, Allen A., Fort Wayne, Ind. Pump. No. 1,102,468; July 7; Gaz. vol. 204; p. 87.
- Bowser, Allen A., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Measuring-pump. No. 1,088,201; Feb. 24; Gaz. vol. 199; p. 1054.
- Bowser, Allen A., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Combined meter and valve. No. 1,096,148; May 12; Gaz. vol. 202; p. 367.
- Bowser, Allen A., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Separator. No. 1,107,485; Aug. 18; Gaz. vol. 205; p. 758.
- Bowser, Allen A., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Tank-filling apparatus. No. 1,107,886; Aug. 18; Gaz. vol. 205; p. 897.
- Bowser, Allen A., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Controlling device for pumping systems. No. 1,107,887; Aug. 18; Gaz. vol. 205; p. 897.
- Bowser, Augustus, Fort Wayne, Ind. Liquid-distributing apparatus. No. 1,086,990; Feb. 10; Gaz. vol. 199; p. 536.
- Bowser, Emery P. (See Bowser, James Y. and E. P.)
- Bowser, Hamilton D. (See Bowser, Roy A. and H. D.)
- Bowser, Harry M., and T. F. Mulligan, assignors to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Apparatus for maintaining a constant supply and pressure in service-pipes. No. 1,112,111; Sept. 29; Gaz. vol. 206; p. 1302.
- Bowser, James Y. and E. P., Kittanning, Pa. Clamp. No. 1,101,396; June 23; Gaz. vol. 203; p. 1174.
- Bowser, Lafayette E., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Automatic pipe or hose draining valve. No. 1,104,869; July 28; Gaz. vol. 204; p. 1056.
- Bowser, Roy A. and H. D., New Kensington, Pa. Nut-lock. No. 1,083,725; Jan. 6; Gaz. vol. 198; p. 155.
- Bowser, Sylvanus F., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Soldering-machine. No. 1,123,080; Dec. 29; Gaz. vol. 209; p. 1614.
- Bowser, Sylvanus F., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Soldering-machine. No. 1,123,081; Dec. 29; Gaz. vol. 209; p. 1614.
- Bowser, Sylvanus F., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Soldering-machine. No. 1,123,082; Dec. 29; Gaz. vol. 209; p. 1614.
- Bowyer, John A., assignor to The Turner Brass Works, Sycamore, Ill. Appliance for hand-torches. No. 1,107,023; Aug. 11; Gaz. vol. 205; p. 544.
- Box Car Flush Door Company, The. (See Cutler, Wallace M., assignor.)
- Box Car Flush Door Company, The. (See Huff, Robert, assignor.)
- Box, Leonard, assignor of one-half to W. F. Habekost, San Francisco, Cal. Automatic fender. No. 1,106,772; Aug. 11; Gaz. vol. 205; p. 458.
- Box, William A., Denver, Colo. Hoisting-machine. No. 1,113,951; Oct. 20; Gaz. vol. 207; p. 620.
- Box, William H., Philadelphia, Pa. Hoisting-machine. No. 1,097,078; May 19; Gaz. vol. 202; p. 731.
- Boxall, William L., Perry, Cal. Wood-gas generator and burner. No. 1,111,129; Sept. 22; Gaz. vol. 206; p. 927.
- Boyajeau, John A., Jersey City, N. J. Rug-treating machine. No. 1,120,264; Dec. 8; Gaz. vol. 209; p. 507.
- Boyajian, Kamaghiel G., Swarthmore, Pa. Sad-iron-balancing mechanism. No. 1,109,317; Sept. 1; Gaz. vol. 206; p. 163.
- Boyce, Harrison H., Oyster Bay, N. Y. Indicating system and apparatus for internal-combustion engines. No. 1,090,776; Mar. 17; Gaz. vol. 200; p. 810.
- Boyce, Harrison H., Oyster Bay, N. Y. Diaphragm signal-horn. No. 1,103,933; July 21; Gaz. vol. 204; p. 683.
- Boyce, Harrison H., Oyster Bay, N. Y., assignor to E. V. Hartford, Deal, N. J. Shock-absorber. No. 1,102,864; July 7; Gaz. vol. 204; p. 224.
- Boyce, James, *et al.* (See Reith, George H., assignor.)
- Boyce, James. (See Reith and Anderson, assignors.)
- Boyce, Laurin S., Rockwell City, Iowa, and O. E. Boyce, Glencoe, Minn. Telephone. No. 1,107,024; Aug. 11; Gaz. vol. 205; p. 544.
- Boyce, Oliver E. (See Boyce, Laurin S. and O. E.)
- Boyce & Son, James H. (See Boyce, Walter S., assignor.)
- Boyce, Walter S., assignor to J. H. Boyce & Son, Saratoga Springs, N. Y. Tree-sprayer. No. 1,087,634; Feb. 17; Gaz. vol. 199; p. 813.

Alphabetical list of patentees—Continued.

- Boyd, Alexander, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Buttonhole-clamp. No. 1,087,569; Feb. 17; Gaz. vol. 199; p. 789.
- Boyd, Alexander H., *et al.*, receivers. (See Fesenbek, Frederick C., assignor.)
- Boyd, Alonzo. (See Boyd and Slife.)
- Boyd, Bertron K., Owosso, Mich. Fly-trap. No. 1,096,889; May 19; Gaz. vol. 202; p. 663.
- Boyd, C. W. (See Whitt, Raleigh E., assignor.)
- Boyd, David C., assignor to The Galion Iron Works and Manufacturing Company, Galion, Ohio. Scarifier. No. 1,093,104; Apr. 14; Gaz. vol. 201; p. 371.
- Boyd, David C., assignor to The Galion Iron Works and Manufacturing Company, Galion, Ohio. Culvert. No. 1,096,993; May 19; Gaz. vol. 202; p. 699.
- Boyd, David C., assignor to The Galion Iron Works and Manufacturing Company, Galion, Ohio. Culvert. No. 1,096,994; May 19; Gaz. vol. 202; p. 700.
- Boyd, David C., assignor to The Galion Iron Works and Manufacturing Company, Galion, Ohio. Culvert. No. 1,096,995; May 19; Gaz. vol. 202; p. 700.
- Boyd, Ernst J., and A. and T. M. Slife, Arapahoe, Nebr. Safety-stirrup. No. 1,111,731; Sept. 29; Gaz. vol. 206; p. 1168.
- Boyd, Frank P. (See Hatt, Lemuel J., assignor.)
- Boyd, Frederic R. C., Lynn, Mass., assignor to General Electric Company. Speed-limiting device for turbo-generators. No. 1,090,016; Mar. 10; Gaz. vol. 200; p. 508.
- Boyd, Gurney E., Los Angeles, Cal. Bicycle pump-support. No. 1,122,064; Dec. 22; Gaz. vol. 209; p. 1223.
- Boyd, Harold A. (See Boyd, Thomas A. and H. A.)
- Boyd, Harry E., Akron, and R. B. Koontz, Springfield township, Summit county, Ohio. Collapsible core. No. 1,093,105; Apr. 14; Gaz. vol. 201; p. 372.
- Boyd, James C., Pitcairn, Pa. Safety car-brake apparatus. No. 1,084,391; Jan. 13; Gaz. vol. 198; p. 405.
- Boyd, James F., Bigelow, Ark. Tire upsetter and shrinker. No. 1,090,681; Mar. 17; Gaz. vol. 200; p. 780.
- Boyd, John H., Carlisle, Pa. Trolley-guard. No. 1,094,870; Apr. 28; Gaz. vol. 201; p. 1072.
- Boyd, Joseph W. (See Sweet, Eli, assignor.)
- Boyd, Martha I., Wooster, Ohio. Device for whipping cream, eggs, and other mixtures. No. 1,116,230; Nov. 3; Gaz. vol. 208; p. 261.
- Boyd, Norman A. (See Winans, Daniel M., assignor.)
- Boyd, Samuel A., and J. D. Welch, Holdenville, Okla. Boat-oar. No. 1,098,088; May 26; Gaz. vol. 202; p. 1129.
- Boyd, Thomas A. and H. A., Glasgow, Scotland. Twisting-frame. No. 1,117,940; Nov. 17; Gaz. vol. 208; p. 942.
- Boyd, Thomas Y., Honesdale, Pa. Road-drag. No. 1,108,126; Aug. 25; Gaz. vol. 205; p. 1029.
- Boyd, William. (See Walters and Boyd.)
- Boyd, William H., Helena, Okla. Rail-controller. No. 1,108,688; Aug. 25; Gaz. vol. 205; p. 1223.
- Boyden, George E., New York, N. Y., assignor to A. P. Browne, trustee, Boston, Mass. Chart for vehicles. No. 1,113,747; Oct. 13; Gaz. vol. 207; p. 509.
- Boyden, Nathaniel N., assignor of one-half to W. S. Murrian, Knoxville, Tenn. Valve construction. No. 1,087,635; Feb. 17; Gaz. vol. 199; p. 813.
- Boyden, William A., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Apparatus for use in the manufacture of boots and shoes. No. 1,094,547; Apr. 28; Gaz. vol. 201; p. 957.
- Boydston, Robert W., Natchitoches, La. Lawn-mower. No. 1,093,168; Apr. 14; Gaz. vol. 201; p. 394.
- Boye, James H., assignor to The Boye Needle Co., Chicago, Ill. Bed attachment. No. 1,107,749; Aug. 18; Gaz. vol. 205; p. 851.
- Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Hook and eye. No. 1,107,750; Aug. 18; Gaz. vol. 205; p. 851.
- Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Key-ring. No. 1,110,873; Sept. 15; Gaz. vol. 206; p. 797.
- Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Grater. No. 1,111,356; Sept. 22; Gaz. vol. 206; p. 1005.
- Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Knife. No. 1,114,221; Oct. 20; Gaz. vol. 207; p. 716.
- Boye Needle Company, The. (See Boye, James H., assignor.)
- Boyen, Edgar C. W. A. von, Barmstedt, assignor, by mesne assignments, to Wachs and Cerosinwerke zu Hamburg, J. Schlickum & Co., Hamburg, Germany. Refining and decolorizing mineral wax. No. 1,092,629; Apr. 7; Gaz. vol. 201; p. 175.
- Boyer, Allen P., Goshen, Ind. Cooker. No. 1,111,130; Sept. 22; Gaz. vol. 206; p. 927.
- Boyer, Andrew, *et al.* (See Prejean, Cleomer, assignor.)
- Boyer, Antide, Paris, and P. L. M. Godeau, Boulogne, France. Calculator for balances. No. 1,094,638; Apr. 28; Gaz. vol. 201; p. 990.
- Boyer, August, assignor to Sumner Iron Works, Everett, Wash. Edger-guide. No. 1,107,751; Aug. 18; Gaz. vol. 205; p. 851.
- Boyer, Fitz Henry. (See Streb, Charles, assignor.)
- Boyer, Frank W. (See Simmons and Boyer.)
- Boyer, Harrison D., Philadelphia, Pa., assignor to Boyer Manufacturing Company. Lubricator. No. 1,121,579; Dec. 15; Gaz. vol. 209; p. 1016.
- Boyer, Harry H., Walnut Creek, Cal. Suspender attachment. No. 1,094,520; Apr. 28; Gaz. vol. 201; p. 947.
- Boyer, James L., Johnstown, Pa. Automatic train-stopping apparatus. No. 1,102,132; June 30; Gaz. vol. 203; p. 1483.
- Boyer, Jesse I., assignor to Reading Iron Company, Reading, Pa. Sugar-mill. No. 1,097,842; May 26; Gaz. vol. 202; p. 1040.
- Boyer Manufacturing Company. (See Boyer, Harrison D., assignor.)
- Boyer, William R., Philadelphia, Pa. Galley foot-lock. No. 1,083,586; Jan. 6; Gaz. vol. 198; p. 108.
- Boykin, Burwell, Jr., Beaumont, Tex. Straightening-machine. No. 1,096,349; May 12; Gaz. vol. 202; p. 438.
- Boykin, Christopher C., Norfolk, Va. Window-screen. No. 1,117,941; Nov. 17; Gaz. vol. 208; p. 942.
- Boykow, Hans, Kiel, Germany. Apparatus for determining the angle of projection for projectiles from aerial vessels. No. 1,114,705; Oct. 20; Gaz. vol. 207; p. 884.
- Boylan, George W., assignor of one-half to G. O. Howard, Chicago, Ill. Receptacle-lock-controlling device. No. 1,085,962; Feb. 3; Gaz. vol. 199; p. 137.
- Boyle, Charles B., deceased; E. J. and Z. M. Boyle, administrators, New York, N. Y., assignors, by mesne assignments, to Boylite Concentrator, Incorporated. Projection instrument. No. 1,085,795; Feb. 3; Gaz. vol. 199; p. 78.
- Boyle, Elva J., *et al.*, administratrices. (See Boyle, Charles B.)
- Boyle, Francis J. (See Heath and Boyle.)
- Boyle, Frank J., Galveston, Tex. Toy. No. 1,113,874; Oct. 13; Gaz. vol. 207; p. 554.
- Boyle, Henry K. (See Redrup and Boyle.)
- Boyle, John T. (See Doney, Charles S., assignor.)
- Boyle, Robert. (See Foye, Moore, and Boyle.)
- Boyle, Robert F., Charleston, W. Va. Portable apparatus. No. 1,102,133; June 30; Gaz. vol. 203; p. 1483.
- Boyle, Robert J. (See Symons, Boyle, and Blaind.) (Re-issue.)
- Boyle, William W., and F. Miller, St. James, Mich. Furniture-fastening. No. 1,111,209; Sept. 22; Gaz. vol. 206; p. 955.
- Boyle, Zola M., *et al.*, administratrices. (See Boyle, Charles B.)
- Boylor, Emanuel J. (See Cutler and Boyler.)
- Boylor, Emanuel J., New Haven, Conn., assignor to The Greist Manufacturing Company. Sewing-machine attachment. No. 1,085,104; Jan. 27; Gaz. vol. 198; p. 710.
- Boylor, Emanuel J., New Haven, Conn., assignor to The Greist Manufacturing Company. Safety-razor. No. 1,088,873; Mar. 3; Gaz. vol. 200; p. 69.
- Boylor, Emanuel J., New Haven, Conn., assignor to The Greist Manufacturing Company. Sewing-machine hemmer and the like. No. 1,109,898; Sept. 8; Gaz. vol. 206; p. 409.
- Boylor, Emanuel J., and H. M. Greist, New Haven, Conn., assignors to The Greist Manufacturing Company. Sewing-machine-attachment holder. No. 1,085,105; Jan. 27; Gaz. vol. 198; p. 711.
- Boyles, David S., Walnut Cove, N. C. Implement for replanting and transplanting small plants. No. 1,098,221; May 26; Gaz. vol. 202; p. 1173.
- Boyles, William N., North Bend, Ore. Pie-lifter. No. 1,099,279; June 9; Gaz. vol. 203; p. 354.
- Boylite Concentrator. (See Boyle, Charles B., assignor.)
- Boylston Manufacturing Company, The. (See Ballard, Harrie A., assignor.)
- Boylston Manufacturing Company, The. (See Erickson, Edward, assignor.)
- Boyn, James, Chicago, Ill. Screw. No. 1,110,250; Sept. 8; Gaz. vol. 206; p. 535.
- Boyn, John F., New York, N. Y. Nozzle for pneumatic cleaners. No. 1,106,695; Aug. 11; Gaz. vol. 205; p. 431.
- Boyneburgk, Frederick A. von, Philadelphia, Pa. Eye for garment-hooks. No. 1,102,134; June 30; Gaz. vol. 203; p. 1484.
- Boynton, George H., Pittsfield, Mass. Weighing attachment for wool-feeding machines. No. 1,086,135; Feb. 3; Gaz. vol. 199; p. 199.
- Boynton, Harry L., assignor to J. W. Harshman, Portland, Ore. Shaving-brush. No. 1,083,587; Jan. 6; Gaz. vol. 198; p. 108.
- Boynton, Newell M., J. P. Michielli, and T. A. Brandhofer, Jr., San Francisco, Cal. Automatic line-coupling. No. 1,094,115; Apr. 21; Gaz. vol. 201; p. 752.
- Boynton, Sidney H., *et al.* (See Talbot, William W., assignor.)
- Boynton, Sidney H., *et al.* (See Talbot and Sawtelle, assignors.)
- Boynton, Willie A., Newcastle, Tex. Cotton-picker's kneepad. No. 1,090,446; Mar. 17; Gaz. vol. 200; p. 701.
- Boyle, Harry E., San Francisco, assignor of one-half to H. H. Tracy, Berkeley, Cal. Sectional header for water-tube boilers. No. 1,085,241; Jan. 27; Gaz. vol. 198; p. 758.

Alphabetical list of patentees—Continued.

- Boys, Charles V., London, England. Bubble-blower. No. 1,086,991; Feb. 10; Gaz. vol. 199; p. 537.
- Boys, Charles V., Westminster, London, England. Apparatus for treating liquid films. No. 1,088,202; Feb. 24; Gaz. vol. 199; p. 1054.
- Boysen, Boy S. (See Miller, Leonard, assignor.)
- Boysen, Friedrich C., Darby, Pa. Box-opener. No. 1,103,126; July 14; Gaz. vol. 204; p. 363.
- Boyt, Otis J., Clatskanie, Oreg. Target figure. No. 1,120,265; Dec. 8; Gaz. vol. 209; p. 508.
- Bozard, Harrison B., assignor to La Crosse Plow Co., La Crosse, Wis. Seed-feeding device. No. 1,112,431; Oct. 6; Gaz. vol. 207; p. 5.
- Boze, James A., Waxahachie, Tex. Telephone-lighting system. No. 1,113,537; Oct. 13; Gaz. vol. 207; p. 437.
- Bozell, William H., *et al.* (See Stanfield, Jasper H., assignor.)
- Bozile, Charles, Manawa, assignor of one-half to W. Wickert, New London, Wis. Ensilage-cutter. No. 1,084,249; Jan. 13; Gaz. vol. 198; p. 360.
- Braae, Maurice A. (See Morton and Braae.)
- Braam, Jacques P. de, Paris, France. Automatic railway signaling apparatus. No. 1,111,522; Sept. 22; Gaz. vol. 206; p. 1062.
- Braasch, Henry, Los Angeles, Cal. Well-drilling apparatus. No. 1,086,748; Feb. 10; Gaz. vol. 199; p. 453.
- Braasch, Henry, Los Angeles, Cal. Adjustable combined garden hoe and rake. No. 1,100,115; June 16; Gaz. vol. 203; p. 679.
- Brabant, Augustus F., Yonkers, N. Y. Needle-case. No. 1,088,057; Feb. 24; Gaz. vol. 199; p. 1005.
- Brabant, Augustus F., Yonkers, N. Y. Needle-case. No. 1,106,773; Aug. 11; Gaz. vol. 205; p. 459.
- Brace, Willard E., assignor of one-half to R. R. Rockwell, Elmira, N. Y. Screw-threading die. No. 1,112,762; Oct. 6; Gaz. vol. 207; p. 125.
- Bracewell, Miles R. (See Bachelet, Emile, assignor.)
- Brach, Emil J., Chicago, Ill. Confectionery-machine. No. 1,093,380; Apr. 14; Gaz. vol. 201; p. 467.
- Brach, Hugo, Vienna, Austria-Hungary. Apparatus for use in elementary organic analysis. No. 1,112,432; Oct. 6; Gaz. vol. 207; p. 5.
- Brackelsberg, Carl A., Stockum, Dusseldorf, Germany. Manufacturing pure iron or manganese metal from pure or impure iron or manganese-metal oxides. No. 1,103,258; July 14; Gaz. vol. 204; p. 409.
- Bracken, John H., Kansas City, Mo. Necktie. No. 1,100,169; June 16; Gaz. vol. 203; p. 699.
- Brackenbury, Edward W. (See Smith and Brackenbury.)
- Brackenbury, Edward W., assignor to T. L. Smith Company, Milwaukee, Wis. Charging device for concrete-mixers. No. 1,091,624; Mar. 31; Gaz. vol. 200; p. 1174.
- Brackett, Ernest W., assignor to Splittorf Electrical Company, Newark, N. J. Magneto-mounting. No. 1,102,385; July 7; Gaz. vol. 204; p. 57.
- Brackin, James T., Jr., Trenton, Tenn. Door-lock. No. 1,086,136; Feb. 3; Gaz. vol. 199; p. 199.
- Brackman, George H., Forkville, Pa. King-bolt. No. 1,098,089; May 26; Gaz. vol. 202; p. 1129.
- Bracy, Edward L., Scotland Neck, assignor to R. H. Wright, Durham, N. C. Tobacco-packaging machine. No. 1,099,114; June 2; Gaz. vol. 203; p. 252.
- Bradbury, Clifford C., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Testing system for telephone party-lines. No. 1,100,116; June 16; Gaz. vol. 203; p. 679.
- Bradbury, Frederick G. (See Duschler, Ernest, assignor.)
- Bradbury, George W., Walla Walla, Wash. Tractor. No. 1,117,477; Nov. 17; Gaz. vol. 208; p. 780.
- Braden, Albert R., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Soldering. No. 1,109,659; Sept. 8; Gaz. vol. 206; p. 323.
- Braden, Charles C., Winslow, Ariz. Folding chair. No. 1,104,615; July 21; Gaz. vol. 204; p. 918.
- Braden, Robert D. (See Haedike and Braden.)
- Bradford, Benaiah, Norristown, assignor to Lee Tire & Rubber Co., Conshohocken, Pa. Rim for pneumatic tires. No. 1,090,114; Mar. 10; Gaz. vol. 200; p. 542.
- Bradford, C. C. (See Conner, Louis C., assignor.)
- Bradford, Casper G., Joplin, Mo. Rake. No. 1,088,767; Mar. 3; Gaz. vol. 200; p. 32.
- Bradford Co., The. (See Ittner, Ferdinand, assignor.)
- Bradford Dyers' Association. (See Metcalf and Nunn, assignors.)
- Bradford, Frank A., Boston, Mass. Roller-press for hides and skins. No. 1,113,189; Oct. 13; Gaz. vol. 207; p. 311.
- Bradford, Henry B. (See Sellers and Bradford.)
- Bradford, Jacob E., Ripley, Ohio. Combination-padlock. No. 1,096,593; May 12; Gaz. vol. 202; p. 518.
- Bradford, Leslie, Broken Hill, New South Wales, Australia, assignor, by mesne assignments, to Minerals Separation Limited, London, England. Process for the separation of metallic sulfids from gangue and apparatus therefor. No. 1,101,506; June 23; Gaz. vol. 203; p. 1214.
- Bradley, Albert E., New Haven, Conn. Hand-truck. No. 1,108,548; Aug. 25; Gaz. vol. 205; p. 1177.
- Bradley, Andrew J., New York, N. Y. Making steel die-punches. No. 1,118,180; Nov. 24; Gaz. vol. 208; p. 1065.
- Bradley, Andrew J., New York, N. Y. Steel die-punch. No. 1,118,181; Nov. 24; Gaz. vol. 208; p. 1065.
- Bradley, Benjamin C., Canton, Ohio. Pulverizing-mill. No. 1,114,103; Oct. 20; Gaz. vol. 207; p. 673.
- Bradley, Charles P., Pemberton, N. J. Street and station annunciator. No. 1,117,317; Nov. 17; Gaz. vol. 208; p. 725.
- Bradley, Charles S., New York, N. Y. Chemical concentration of metals. No. 1,114,726; Oct. 27; Gaz. vol. 207; p. 944.
- Bradley, Charles S., New York, N. Y. Method and apparatus for mining salt. No. 1,121,225; Dec. 15; Gaz. vol. 209; p. 894.
- Bradley, Charles W., assignor to Anchor Concrete Stone Company, Rock Rapids, Iowa. Tamping-machine. No. 1,085,534; Jan. 27; Gaz. vol. 198; p. 856.
- Bradley, Coleman M. (See Lower, Frank, assignor.)
- Bradley, Edward E., assignor to The Atwood Machine Company, Stonington, Conn. Warping-machine. No. 1,114,337; Oct. 20; Gaz. vol. 207; p. 756.
- Bradley, Edward E., assignor to The Atwood Machine Company, Stonington, Conn. Gearing. No. 1,120,266; Dec. 8; Gaz. vol. 209; p. 508.
- Bradley, Franklin F., assignor to Bradley & Vrooman Company, Chicago, Ill. Coating objects with subdivided material. No. 1,088,874; Mar. 3; Gaz. vol. 200; p. 69.
- Bradley, Franklin F., assignor to Bradley & Vrooman Company, Chicago, Ill. Squeezer. No. 1,094,974; Apr. 28; Gaz. vol. 201; p. 1109.
- Bradley, Franklin F., assignor to Bradley & Vrooman Company, Chicago, Ill. Apparatus for coating objects with subdivided material. No. 1,104,471; July 21; Gaz. vol. 204; p. 867.
- Bradley, Harry L. (See Bradley, Lynde and H. L.)
- Bradley, Jacob A., Wabeno, Wis. Clothes-pin. No. 1,106,487; Aug. 11; Gaz. vol. 205; p. 358.
- Bradley, Joseph H. (See Scroggins, Robert H., assignor.)
- Bradley, Josiah, assignor to A. Westlake, New York, N. Y. Bottle capping and sealing machine. No. 1,120,017; Dec. 8; Gaz. vol. 209; p. 420.
- Bradley, Lynde, Milwaukee, Wis. Electric-current-controlling device. No. 1,120,018; Dec. 8; Gaz. vol. 209; p. 421.
- Bradley, Lynde, Muskegon, Mich., assignor to Allen-Bradley Company. Electric-current controller. No. 1,119,800; Dec. 8; Gaz. vol. 209; p. 345.
- Bradley, Lynde and H. L., Muskegon, Mich., assignors to Allen-Bradley Company. Telephone-transmitter. No. 1,107,255; Aug. 18; Gaz. vol. 205; p. 675.
- Bradley, Peter B. (See Foote, Theodore M., assignor.)
- Bradley, Porte M., Joplin, Mo. Open-front gas-heater. No. 1,121,462; Dec. 15; Gaz. vol. 209; p. 975.
- Bradley Pulverizer Company. (See Needham, Charles E., assignor.)
- Bradley, Richard C., Shreveport, La. Measuring device. No. 1,120,897; Dec. 15; Gaz. vol. 209; p. 779.
- Bradley, Smith Company, The. (See Buchmüller, Max, assignor.)
- Bradley & Vrooman Company. (See Bradley, Franklin F., assignor.)
- Bradley, William H., Portland, Oreg. Seat-support for motor-cycles. No. 1,090,268; Mar. 17; Gaz. vol. 200; p. 637.
- Bradley, William J. (See Braine and Bradley.)
- Bradley, William J., Troy, assignor to The Rail Joint Company, New York, N. Y. Rolling rail-joint bars. No. 1,094,053; Apr. 21; Gaz. vol. 201; p. 731.
- Bradley, William J., Troy, assignor to The Rail Joint Company, New York, N. Y. Sectional shears for metal bars. No. 1,108,689; Aug. 25; Gaz. vol. 205; p. 1223.
- Bradnack, John H., New Haven, Conn. Hose-splice. No. 1,083,269; Jan. 6; Gaz. vol. 198; p. 3.
- Bradshaw, Charles E., Waterbury, assignor to The Robert N. Bassett Company, Shelton, Conn. Buckle. No. 1,115,891; Nov. 3; Gaz. vol. 208; p. 144.
- Bradshaw, Edwin, assignor to M. Bradshaw, San Francisco, Cal. Garbage-chute. No. 1,083,914; Jan. 13; Gaz. vol. 198; p. 245.
- Bradshaw, Herbert B., assignor to C. M., Jr., and L. A. Siebert, Columbus, Ohio. Hand massage device. No. 1,106,276; Aug. 4; Gaz. vol. 205; p. 238.
- Bradshaw, Ira E., Unionville, Mo. Sanitary milking vessel. No. 1,104,773; July 28; Gaz. vol. 204; p. 1022.
- Bradshaw, Lewis H., San Francisco, Cal. Window-sash lock. No. 1,088,399; Feb. 24; Gaz. vol. 199; p. 1121.
- Bradshaw, Margaret. (See Bradshaw, Edwin, assignor.)
- Bradshaw, Richard, Toronto, Ontario, Canada. Spring-mattress. No. 1,103,028; July 14; Gaz. vol. 204; p. 327.
- Bradshaw, Richard, Toronto, Ontario, Canada. Finishing cap, knob, or vase for bedposts and the like. No. 1,111,945; Sept. 29; Gaz. vol. 206; p. 1246.
- Bradshaw, Richard C., and T. A. Garvey, St. Louis, Mo. Non-refillable bottle. No. 1,110,037; Sept. 8; Gaz. vol. 206; p. 459.
- Bradwell, Harry, Kelghley, England. Wrapping-machine. No. 1,118,468; Nov. 24; Gaz. vol. 208; p. 1168.
- Brady, Edward J., assignor to The United Gas Improvement Company, Philadelphia, Pa. Artificial-lighting means. No. 1,122,065; Dec. 22; Gaz. vol. 209; p. 1224.

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- Brady, Edward J., assignor to The United Gas Improvement Company, Philadelphia, Pa. Artificial-lighting means. No. 1,122,066; Dec. 22; Gaz. vol. 209; p. 1224.
- Brady, Frank, Newcastle, Wash. Car-arrester. No. 1,099,902; June 9; Gaz. vol. 203; p. 569.
- Brady, Frank, Denver, Colo. Railway-velocipede. No. 1,107,579; Aug. 18; Gaz. vol. 205; p. 790.
- Brady, James H., Louisville, Ky. Computing-measure. No. 1,119,395; Dec. 1; Gaz. vol. 209; p. 172.
- Brady, Leona S., Norwood, Ohio. Sealing-press. No. 1,115,385; Oct. 27; Gaz. vol. 207; p. 1176.
- Brady, M. F., *et al.* (See Shapiro, Charles H., assignor.)
- Brady, Stephen E., Granby, assignor of one-half to C. A. and L. Hines, Anderson, Mo. Splice-bar. No. 1,088,058; Feb. 24; Gaz. vol. 199; p. 1005.
- Brady & Willis. (See Henry, John F., assignor.)
- Brae, Burquest M., Bellevue, Pa. Sash-lock. No. 1,088,526; Feb. 24; Gaz. vol. 199; p. 1162.
- Braecklein, Ferdinand H., Baltimore, Md. Fastening device. No. 1,095,794; May 5; Gaz. vol. 202; p. 212.
- Braemer, William G. R., Camden, N. J., assignor to Warren Webster & Company. Humidifying apparatus. No. 1,101,901; June 30; Gaz. vol. 203; p. 1399.
- Braemer, William G. R., Camden, N. J., assignor to Warren Webster & Company. Humidity control. No. 1,101,902; June 30; Gaz. vol. 203; p. 1400.
- Braen, Henry, Paterson, N. J. Folding case. No. 1,118,326; Nov. 24; Gaz. vol. 208; p. 1116.
- Bragg, Charlie A. (See Young and Bragg.)
- Bragg, George J., Philadelphia, Pa. Banana-peeling machine. No. 1,088,400; Feb. 24; Gaz. vol. 199; p. 1121.
- Bragg, George J., Philadelphia, Pa. Banana-peeling machine. No. 1,093,762; Apr. 21; Gaz. vol. 201; p. 633.
- Bragger, John W., assignor to J. B. Wise, Inc., Watertown, N. Y. Flush-valve-operating mechanism. No. 1,110,251; Sept. 8; Gaz. vol. 206; p. 535.
- Bragstad Concrete Machinery Co. (See Bragstad, Joseph W., assignor.)
- Bragstad Concrete Machinery Co. (See Ellingson, Elling, assignor.)
- Bragstad, Joseph W., Sioux City, Iowa. Reinforced concrete construction. No. 1,107,486; Aug. 18; Gaz. vol. 205; p. 758.
- Bragstad, Joseph W., assignor to Bragstad Concrete Machinery Co., Inc., Canton, S. D. Regulating-hopper for conveyers. No. 1,096,149; May 12; Gaz. vol. 202; p. 368.
- Braham, Michael, New York, N. Y. Collapsible perambulator. No. 1,111,786; Sept. 29; Gaz. vol. 206; p. 1191.
- Braine, Bancroft G., assignor to The Rail Joint Company, New York, N. Y. Rail-joint. No. 1,103,394; July 14; Gaz. vol. 204; p. 453.
- Braine, Bancroft G., assignor to The Rail Joint Company, New York, N. Y. Rail-joint pattern. No. 1,118,841; Nov. 24; Gaz. vol. 208; p. 1295.
- Braine, Bancroft G., New York, and W. J. Bradley, Troy, assignors to The Rail Joint Company, New York, N. Y. Rolled shoe-angle. No. 1,110,529; Sept. 15; Gaz. vol. 206; p. 674.
- Braine, Daniel L., assignor, by mesne assignments, to Composite Tie-Plate Corporation, New York, N. Y. Rail supporting and fastening device. No. 1,083,270; Jan. 6; Gaz. vol. 198; p. 4.
- Brainin, David, Charlottenburg, Germany. Article of food and producing the same. No. 1,088,875; Mar. 3; Gaz. vol. 200; p. 69.
- Brais, Frederick, Kansas City, Mo. Hame-fastener. No. 1,113,597; Oct. 13; Gaz. vol. 207; p. 457.
- Brake, Archibald, assignor of one-half to A. A. Dickson, Toronto, Ontario, Canada. Molding-machine. No. 1,099,012; June 2; Gaz. vol. 203; p. 221.
- Brake, Friend C., Edgerton, Minn. Egg-candling device. No. 1,110,874; Sept. 15; Gaz. vol. 206; p. 797.
- Brakeman, George A. (See Roberts, Robert M., assignor.)
- Braken, Daniel A. (See Bowen and Braken.)
- Braley, William L. (See Packham and Braley.)
- Bram, Jacob J., Perth Amboy, N. J. Cover for washtubs. No. 1,101,521; June 30; Gaz. vol. 203; p. 1268.
- Bramham, Wilfred, Beverly, Mass. Shock-absorber. No. 1,101,614; June 30; Gaz. vol. 203; p. 1301.
- Brampton, Arthur, and G. Wadhams, Birmingham, England. Driving-chain. No. 1,090,380; Mar. 17; Gaz. vol. 200; p. 676.
- Branwell, Joseph W., Philadelphia, Pa. Drawing instrument. No. 1,116,231; Nov. 3; Gaz. vol. 208; p. 261.
- Brand, Charles F., Wheeling, W. Va. Gas-burner. No. 1,095,795; May 5; Gaz. vol. 202; p. 213.
- Brand, Samuel, *et al.* (See Ryan, Patrick, assignor.)
- Brand, Samuel, assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Article-positioning means. No. 1,095,977; May 5; Gaz. vol. 202; p. 272.
- Brand, William E., Boston, Mass., assignor to Vite-A-Type Company, Portland, Me. Matrix-selecting mechanism. No. 1,086,506; Feb. 10; Gaz. vol. 199; p. 368.
- Brandao, Mario G., Brussels, Belgium. Automatic steering mechanism. No. 1,084,392; Jan. 13; Gaz. vol. 198; p. 405.
- Brandels, Izidor, assignor to S. Rosenbaum, Ujvidek, Austria-Hungary. Preserving compound. No. 1,107,892; Aug. 18; Gaz. vol. 205; p. 899.
- Brandell, Claus O., South Bend, Ind. Device for forming and baking food products. No. 1,118,182; Nov. 24; Gaz. vol. 208; p. 1066.
- Brandenburg, Edwin, Brussels, Belgium. Sectioning means for electric stations. No. 1,085,375; Jan. 27; Gaz. vol. 198; p. 805.
- Brandenburger, Herman A., St. Louis, Mo. Composition for coating tire-armor. No. 1,122,248; Dec. 29; Gaz. vol. 209; p. 1325.
- Brandenburger, Herman A., St. Louis, Mo. Tire. No. 1,122,249; Dec. 29; Gaz. vol. 209; p. 1325.
- Brandhofer, Theodore A., Jr. (See Boynton, Michieli, and Brandhofer.)
- Brandis, Walter, San Diego, Cal. Beet pulling and topping machine. No. 1,111,210; Sept. 22; Gaz. vol. 206; p. 955.
- Brandley, Hans, Toledo, Ohio. Closure for receptacles. No. 1,119,235; Dec. 1; Gaz. vol. 209; p. 116.
- Brandlein, Rudolph C., San Francisco, Cal. Hinge. No. 1,120,898; Dec. 15; Gaz. vol. 209; p. 780.
- Brandly, Albert R. (See Heller, Ernest B., assignor.)
- Brandock, Andrew S., Pueblo, Colo. Railway-switch. No. 1,107,402; Aug. 18; Gaz. vol. 205; p. 727.
- Brandon, Lawrence E., assignor of one-half to H. W. Silsby, Derby, Vt. Igniting device. No. 1,110,611; Sept. 15; Gaz. vol. 206; p. 703.
- Brandstaedter, William, Hanover, Pa. Safety device for box-ending machines. No. 1,121,463; Dec. 15; Gaz. vol. 209; p. 975.
- Brandstrom, Charles K., Seattle, Wash. Trowel. No. 1,111,433; Sept. 22; Gaz. vol. 206; p. 1031.
- Brandt Cashier Company. (See Brandt, Edward J., assignor.)
- Brandt, Charles M., assignor to J. T. Williams, Philadelphia, Pa. Bird-cage guard. No. 1,094,423; Apr. 28; Gaz. vol. 201; p. 913.
- Brandt, Charles V., Richmond, Va. Spring-wheel. No. 1,101,680; June 30; Gaz. vol. 203; p. 1324.
- Brandt, Edward J., Watertown, Wis., assignor to Brandt Cashier Company, Chicago, Ill. Coin-delivery machine. No. 1,099,687; June 9; Gaz. vol. 203; p. 496.
- Brandt, Edward J., Watertown, Wis., assignor to Brandt Cashier Company, Chicago, Ill. Coin-delivery machine. No. 1,099,688; June 9; Gaz. vol. 203; p. 497.
- Brandt, Emil, Munich, Germany. Coating webs of paper with leaf metal. No. 1,096,822; May 19; Gaz. vol. 202; p. 639.
- Brandt, Folke E., Bemidji, Minn. Window-sash. No. 1,107,580; Aug. 18; Gaz. vol. 205; p. 791.
- Brandt, Friedrich W., Weimar, Tex. Vehicle guiding mechanism. No. 1,087,636; Feb. 17; Gaz. vol. 199; p. 814.
- Brandt, George W., Brooklyn, N. Y., assignor to M. E. Brandt, Leonia, N. J. Construction of forms for concrete construction. No. 1,112,112; Sept. 29; Gaz. vol. 206; p. 1302.
- Brandt, Lewis, Oakmont, assignor to Invincible Manufacturing Company, Pittsburgh, Pa. Washing-machine. No. 1,115,892; Nov. 3; Gaz. vol. 208; p. 144.
- Brandt, Mary E. (See Brandt, George W., assignor.)
- Brandt, William A., Healdsburg, Cal. Egg washing and rinsing machine. No. 1,113,190; Oct. 13; Gaz. vol. 207; p. 311.
- Brandvold, Thorkel L., Waseca, Minn. Grain-binder. No. 1,122,067; Dec. 22; Gaz. vol. 209; p. 1224.
- Brandwood, Edward. (See Brandwood, John, T., and E.)
- Brandwood, John, T., and E., Bury, England. Gaseous or like treatment of textile materials. No. 1,095,796; May 5; Gaz. vol. 202; p. 213.
- Brandwood, John, T., and E., Bury, England. Apparatus for treating textile fibers with liquids and gases. No. 1,101,248; June 23; Gaz. vol. 203; p. 1124.
- Brandwood, Thomas. (See Brandwood, John, T., and E.)
- Brannham, Adolphus D., St. Louis, Mo., assignor to Automatic Register Company, Dover, Del. Automatic fare-register. No. 1,114,851; Oct. 27; Gaz. vol. 207; p. 989.
- Branigan, William J., Philadelphia, Pa. Portable motion-picture-projecting machine. No. 1,090,097; Mar. 10; Gaz. vol. 200; p. 536.
- Branine, John K., Udall, Kans. Corn-harvester. No. 1,100,211; June 16; Gaz. vol. 203; p. 713.
- Branington, Edwin O., assignor of one-half to A. Hochreiter, Rochester, N. Y. Trap-nest. No. 1,118,262; Nov. 24; Gaz. vol. 208; p. 1093.
- Brannaman, Edward S., *et al.* (See Yount, Jesse M., assignor.) (Reissue.)
- Brannen, Richmond E., and L. Wallace, Willcox, Ariz. Switch construction. No. 1,103,934; July 21; Gaz. vol. 204; p. 683.
- Brannock, John C., and J. F. Morgal, assignors to The C. W. Raymond Company, Dayton, Ohio. Cutting-wire for brick-machines. No. 1,116,980; Nov. 10; Gaz. vol. 208; p. 566.
- Bransford, Joseph, Bakersfield, Cal. Door latch and lock. No. 1,102,567; July 7; Gaz. vol. 204; p. 122.
- Branson, Thomas, Philadelphia, assignor to Sibson & Stern, Inc., Germantown, Pa. Knitting-machine. No. 1,115,650; Nov. 3; Gaz. vol. 208; p. 63.
- Brant, Antonio P., Alameda, Cal. Bucket. No. 1,111,357; Sept. 22; Gaz. vol. 206; p. 1006.

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- Brantingham, Allen C., Toledo, Ohio, assignor to Nordyke & Marmon Co., Indianapolis, Ind. Sifter-driving mechanism. No. 1,104,870; July 28; Gaz. vol. 204; p. 1056.
- Brantingham, George, Weymouth, England. Engine. No. 1,116,232; Nov. 3; Gaz. vol. 208; p. 262.
- Brantley, James A., assignor of one-third to J. M. Maus, Atkins, Ark. Mining-machine. No. 1,114,439; Oct. 20; Gaz. vol. 207; p. 794.
- Braren, Edward F. (See Seltenreich, John J., assignor.)
- Brasch, Louis F., Newark, N. J. Box-cover. No. 1,094,833; Apr. 28; Gaz. vol. 201; p. 1059.
- Brasfield, Claude E., assignor of one-half to E. F. Heffner, Pottsville, Pa. Sanitary medicament-ejector for rectal, vaginal, and nasal use. No. 1,098,222; May 26; Gaz. vol. 202; p. 1173.
- Brashear, Peter C., *et al.* (See Yardusky, Charles, assignor.)
- Brassington, John M., Bennettsville, S. C. Plow. No. 1,107,403; Aug. 18; Gaz. vol. 205; p. 728.
- Brasington, Ross M., Marietta, Ohio. Shock-absorber for motor-vehicles. No. 1,110,875; Sept. 15; Gaz. vol. 206; p. 797.
- Brassfield, Jonathan, Peoria, Ill. Fumigating device. No. 1,088,122; Feb. 24; Gaz. vol. 199; p. 1027.
- Brassler Company, The. (See Brassler, Hans, assignor.)
- Brassler Company, The. (See Harris, Frederick O., assignor.)
- Brassler, Hans, South Orange, N. J., assignor to The Brassler Company. Chain. No. 1,092,427; Apr. 7; Gaz. vol. 201; p. 105.
- Brassler, Hans, South Orange, N. J., assignor to The Brassler Company. Jewelry. No. 1,099,484; June 9; Gaz. vol. 203; p. 426.
- Brasted, Clair H., assignor to The Ludlow Typograph Company, Cleveland, Ohio. Composing mechanism for typographs. No. 1,091,477; Mar. 31; Gaz. vol. 200; p. 1124.
- Braswell, William T., assignor of one-half to C. E. Register, Atlanta, Ga. Adjustable eaves-trough hanger. No. 1,105,748; Aug. 4; Gaz. vol. 205; p. 57.
- Bratcher, William W., near Pattonsburg, Mo. Stock-waterer. No. 1,094,775; Apr. 28; Gaz. vol. 201; p. 1039.
- Braubach, Joseph, Hoboken, N. J. Stove-lid. No. 1,095,075; Apr. 28; Gaz. vol. 201; p. 1142.
- Braucher, Clark L., *et al.* (See Bryce, William, assignor.)
- Braucher, Clark L., and E. R. Johnson, Cincinnati, Ohio. Timekeeper for telephones. No. 1,083,915; Jan. 13; Gaz. vol. 198; p. 245.
- Braucher, Clark L., and E. R. Johnson, Cincinnati, Ohio. Time-keeper for telephones. No. 1,113,538; Oct. 13; Gaz. vol. 207; p. 438.
- Brauer, Arthur J., St. Louis, Mo. Tennis-racket case or cover. No. 1,091,280; Mar. 24; Gaz. vol. 200; p. 1016.
- Brauer, Arthur J., St. Louis, Mo. Caddy-bag. No. 1,118,469; Nov. 24; Gaz. vol. 208; p. 1169.
- Brauer, Max, Berlin-Wilmersdorf, assignor to Dr. Hans Cruse & Co., Berlin, Germany. Air-filter. No. 1,094,521; Apr. 28; Gaz. vol. 201; p. 948.
- Braun, F. W. (See Beach, Oscar C., assignor.)
- Braun, Henry C., Kings Cross, London, England. Means for stopping bottles. No. 1,087,349; Feb. 17; Gaz. vol. 199; p. 711.
- Braun, Herman, St. Louis, Mo. Holder for beer-case covers. No. 1,086,889; Feb. 10; Gaz. vol. 199; p. 503.
- Braun, Joseph, New Decatur, Ala. Cotton-blocking machine. No. 1,090,193; Mar. 17; Gaz. vol. 200; p. 611.
- Braun, Julius, Lüttringhausen, Germany. Umbrella-envelop. No. 1,109,509; Sept. 1; Gaz. vol. 206; p. 229.
- Braun, Sidney D. R., Chicago, Ill. Ceiling-light structure. No. 1,116,233; Nov. 3; Gaz. vol. 208; p. 262.
- Braun, William F., Brooklyn, N. Y. Weighing apparatus. No. 1,090,017; Mar. 10; Gaz. vol. 200; p. 509.
- Braun, William F. H., assignor to Coles Manufacturing Company, Philadelphia, Pa. Automatic releasing and reengaging drive. No. 1,111,990; Sept. 29; Gaz. vol. 206; p. 1260.
- Braunberger, Marcel, Paris, France. Apparatus for gaseous injections. No. 1,090,833; Mar. 24; Gaz. vol. 200; p. 862.
- Braund, Charles M., *et al.* (See Keenan, Hugh J., assignor.)
- Braund, Louis R., *et al.* (See Keenan, Hugh J., assignor.)
- Bräuning, Karl A., Herstal, Belgium. Breech-closure for guns. No. 1,101,116; June 23; Gaz. vol. 203; p. 1078.
- Bräuning, Karl A., Herstal, Belgium. Fixing means for the sights of firearms. No. 1,101,163; June 23; Gaz. vol. 203; p. 1094.
- Braunsdorf, Charles. (See Bernartz, Haldewang, and Braunsdorf.)
- Braunsdorf, William, New York, N. Y. Tide-motor. No. 1,083,794; Jan. 6; Gaz. vol. 198; p. 176.
- Bräutigam, Franz, Hamburg, Germany. Imitation pillar or column as used for decorative purposes. No. 1,095,374; May 5; Gaz. vol. 202; p. 69.
- Brautigam, Henry H., assignor to The Bridgeport Motor Car Co., Inc., Bridgeport, Conn. Internal-combustion engine. No. 1,085,844; Feb. 3; Gaz. vol. 199; p. 94.
- Brawler, Henry N., Jr., Washington, D. C. Homogenizing cream. No. 1,112,594; Oct. 6; Gaz. vol. 207; p. 66.
- Brawler, Jefferson, Fairbury, Nebr. Form for making concrete arches. No. 1,118,630; Nov. 24; Gaz. vol. 208; p. 1224.
- Bray, Annie E., Los Gatos, Cal. Clamp. No. 1,083,482; Jan. 6; Gaz. vol. 198; p. 74.
- Bray, John R., New York, N. Y. Process and articles for producing moving pictures. No. 1,107,193; Aug. 11; Gaz. vol. 205; p. 605.
- Bray, Walter J., Arlington Heights, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Power-press. No. 1,121,066; Dec. 15; Gaz. vol. 209; p. 838.
- Bray, William E., Colfax, Wash. Wrap-holder for chairs. No. 1,119,396; Dec. 1; Gaz. vol. 209; p. 172.
- Brayley, William M., New York, N. Y. Vending-machine. No. 1,096,150; May 12; Gaz. vol. 202; p. 368.
- Brazelton, George T., Birmingham, Ala. Automobile lamp attachment. No. 1,086,436; Feb. 10; Gaz. vol. 199; p. 344.
- Breault, Gédéon, Pawtucket, R. I. Nut-lock. No. 1,111,732; Sept. 29; Gaz. vol. 206; p. 1169.
- Breaznell, Joseph H., New York, N. Y. Connecting-clip for electrical conductors. No. 1,092,472; Apr. 7; Gaz. vol. 201; p. 121.
- Brech, Leon, and E. Tyborowski, Warsaw, Russia. Manufacture of cellulose from raw vegetable materials containing cellulose fibers. No. 1,100,519; June 16; Gaz. vol. 203; p. 818.
- Breckenfeld, Bertha H., and M. M. Cain, Los Angeles, Cal. Loom. No. 1,112,763; Oct. 6; Gaz. vol. 207; p. 125.
- Breckenridge, George M., assignor of one-third to J. P. McManus, Chicago, Ill. Printing-machine. No. 1,087,716; Feb. 17; Gaz. vol. 199; p. 842.
- Bredeloft, Edward F., St. Louis, Mo. Index for loose-leaf ledgers. No. 1,100,285; June 16; Gaz. vol. 203; p. 739.
- Bredenbergh, Alfred, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company. Pamphlet-coverer. No. 1,085,888; Feb. 3; Gaz. vol. 199; p. 109.
- Bredsvold, Paul A., St. Louis, Mo. Lighting-fixture. No. 1,115,386; Oct. 27; Gaz. vol. 207; p. 1176.
- Breed, George, Philadelphia, Pa., assignor to Lyrachord Company, New York, N. Y. Electromagnetic musical instrument. No. 1,100,117; June 16; Gaz. vol. 203; p. 680.
- Breed, James A., Lynn, Mass. Bow making and attaching machine. No. 1,090,194; Mar. 17; Gaz. vol. 200; p. 611.
- Breed, Preston H., Pittsfield, Mass., assignor, by mesne assignments, to Alden Sampson Manufacturing Company. Starting-crank for automobiles. No. 1,098,873; June 2; Gaz. vol. 203; p. 177.
- Breeden, Henry, Vienna, Va., assignor to A. S. White, New Orleans, La. Barrel. No. 1,096,674; May 12; Gaz. vol. 202; p. 545.
- Breeden, Prince B., Norfolk, Va. Whip. No. 1,099,013; June 2; Gaz. vol. 203; p. 221.
- Breeding, Paul H., near Eldorado Springs, Mo. Spoke-socket and felly-fastener. No. 1,100,348; June 16; Gaz. vol. 203; p. 760.
- Breedlove, John M., Portsmouth, Va. Pipe-thread reshaper. No. 1,118,732; Nov. 24; Gaz. vol. 208; p. 1259.
- Brees, James W., and O. L. Hupp, Indianapolis, Ind. Adjustable sectional railway-crossing. No. 1,102,235; July 7; Gaz. vol. 204; p. 6.
- Breese, James L., Jr., New York, N. Y. Device for loading and unloading vehicles. No. 1,113,191; Oct. 13; Gaz. vol. 207; p. 312.
- Breeze, Frank A., Newburgh, Ontario, Canada. Saw-sharpener. No. 1,089,312; Mar. 3; Gaz. vol. 200; p. 217.
- Breeze, Frank A., Newburgh, Ontario, Canada. Saw-swage. No. 1,089,313; Mar. 3; Gaz. vol. 200; p. 217.
- Breeze, Frank A., Newburgh, Ontario, Canada. Clamping-screw and operating mechanism. No. 1,101,397; June 23; Gaz. vol. 203; p. 1174.
- Breeze, John F., Hammersmith, assignor to Gwynnes Limited, London, England. Electric motor and pump connected thereto. No. 1,114,727; Oct. 27; Gaz. vol. 207; p. 945.
- Brehl, Leo J., Lorain, Ohio. Vehicle-fender. No. 1,116,981; Nov. 10; Gaz. vol. 208; p. 566.
- Brehmer, Herman C., Philadelphia, Pa., assignor to H. W. Butterworth & Sons Company. Valve-controlled motor device. No. 1,120,019; Dec. 8; Gaz. vol. 209; p. 421.
- Breidenbach, William, Indianapolis, Ind. Electric-light socket. No. 1,086,643; Feb. 10; Gaz. vol. 199; p. 417.
- Breidert, George C., assignor to Auto Utilities Manufacturing Company, Chicago, Ill. Ventilator. No. 1,097,387; May 19; Gaz. vol. 202; p. 838.
- Breidert, George C., assignor to Auto Utilities Manufacturing Company, Chicago, Ill. Car-ventilator. No. 1,099,838; June 9; Gaz. vol. 203; p. 545.
- Breidert, George C., assignor to Auto Utilities Manufacturing Company, Chicago, Ill. Ventilator. No. 1,104,472; July 21; Gaz. vol. 204; p. 867.

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- Breitenbach, Louis H., assignor to W. F. Keogh, New York, N. Y. Piano-bridge. No. 1,089,528; Mar. 10; Gaz. vol. 200; p. 342.
- Breitenstein, Julius G., Chicago, Ill. Press. No. 1,105,749; Aug. 4; Gaz. vol. 205; p. 57.
- Breithut, Oscar P., Portland, Oreg. Game-board. No. 1,096,823; May 19; Gaz. vol. 202; p. 639.
- Brell, Julius, New York, N. Y. Garment-fastener. No. 1,103,651; July 14; Gaz. vol. 204; p. 546.
- Brelle, Frank, Sr., and F., Jr., Ferndale, Cal. Machine for cutting rubber gaskets. No. 1,107,404; Aug. 18; Gaz. vol. 205; p. 728.
- Bremer, Charles D., Milwaukee, Wis. Air-pump nipple. No. 1,111,991; Sept. 29; Gaz. vol. 206; p. 1261.
- Bremer, Charles D., and J. L. Mooney, Milwaukee, Wis. Spark-indicator. No. 1,096,151; May 12; Gaz. vol. 202; p. 368.
- Bremer, Joseph H., Tampa, Fla. Pocket ash-tray. No. 1,090,018; Mar. 10; Gaz. vol. 200; p. 509.
- Brendemuehl, Paul E., Hope, N. D. Device for traction-engines. No. 1,119,678; Dec. 1; Gaz. vol. 209; p. 268.
- Breneisen, August J. (See Jacobs, William C. and H. F., assignors.)
- Brennan, Charles T., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Thread-rolling machine. No. 1,108,425; Aug. 25; Gaz. vol. 205; p. 1132.
- Brennan, Charles T., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Heading-machine. No. 1,108,426; Aug. 25; Gaz. vol. 205; p. 1132.
- Brennan, Charles T., assignor to The E. J. Manville Machine Company, Waterbury Conn. Feed mechanism for heading machines. No. 1,113,406; Oct. 13; Gaz. vol. 207; p. 390.
- Brennan, Daniel, Woodlawn, Pa. Charging-ladle. No. 1,102,236; July 7; Gaz. vol. 204; p. 6.
- Brennan, Elizabeth M., Brooklyn, N. Y. Dress-shield. No. 1,108,427; Aug. 25; Gaz. vol. 205; p. 1133.
- Brennan, James J., Fort Wayne, Ind. Train-controlling device. No. 1,083,588; Jan. 6; Gaz. vol. 198; p. 108.
- Brennan, James S., Attleboro, Mass. Rudder for sail or other vessels. No. 1,100,349; June 16; Gaz. vol. 203; p. 760.
- Brennan, John S., assignor to A. J. Lindemann & Hoverson Co., Milwaukee, Wis. Reservoir for oil-stoves. No. 1,118,263; Nov. 24; Gaz. vol. 208; p. 1093.
- Brennan, Martin T., Montreal, Quebec, Canada. Display-rack. No. 1,122,362; Dec. 29; Gaz. vol. 209; p. 1362.
- Brennan, Thomas, Jr., assignor to Monitor Drill Company, Minneapolis, Minn. Disk attachment. No. 1,095,798; May 5; Gaz. vol. 202; p. 213.
- Brennan, William, Jr. (See McIntyre, Michael J., assignor.)
- Brennecke, Herman J., Chicago, Ill., assignor of one-half to F. Ihrcke, Chicago, Ill. Goggles. No. 1,118,631; Nov. 24; Gaz. vol. 208; p. 1225.
- Brenneman, George R., Wheeling, Mo. Swinging-gate stop. No. 1,086,749; Feb. 10; Gaz. vol. 199; p. 453.
- Brenner, Carl O., Descanso, Cal. Air-pressure indicator for pneumatic tires. No. 1,119,236; Dec. 1; Gaz. vol. 209; p. 116.
- Brenner, Frederick, assignor of one-half to C. T. Stock, Jr., Milwaukee, Wis. Grain-heater. No. 1,095,375; May 5; Gaz. vol. 202; p. 69.
- Brenner, John G., Hulme, Manchester, England. Garment-hanger. No. 1,104,099; July 21; Gaz. vol. 204; p. 740.
- Brenner, Paul C., Chicago, Ill. Door-operating device. No. 1,089,314; Mar. 3; Gaz. vol. 200; p. 218.
- Brenner, Paul C., Chicago, Ill. Film-winding mechanism. No. 1,104,616; July 21; Gaz. vol. 204; p. 919.
- Brenner, Paul C., Chicago, Ill. Ash-sifter. No. 1,109,395; Sept. 1; Gaz. vol. 206; p. 192.
- Brenner, Paul C., Chicago, Ill. Oven-door. No. 1,112,255; Sept. 29; Gaz. vol. 206; p. 1353.
- Brenning, William, Shreveport, La. Tie-plate. No. 1,092,013; Mar. 31; Gaz. vol. 200; p. 1307.
- Brenot, Maxime C., Issy-les-Moulineaux, France, assignor to Firm of R. Bosch, Stuttgart, Germany. Magneto-electric generator. No. 1,084,924; Jan. 20; Gaz. vol. 198; p. 613.
- Brenslake, John, Hustisford, Wis. Curdling milk. No. 1,083,659; Jan. 6; Gaz. vol. 198; p. 133.
- Brenzinger, Julius, assignor to Max Ams Machine Company, Mount Vernon, N. Y. Can-heading machine. No. 1,121,894; Dec. 22; Gaz. vol. 209; p. 1163.
- Bresnahan, Cornelius, Detroit, Mich. Pump. No. 1,085,963; Feb. 3; Gaz. vol. 199; p. 137.
- Bretaud, Joseph V., Highland Park, Mich. Converter. No. 1,088,401; Feb. 24; Gaz. vol. 199; p. 1122.
- Bretch, Edward, St. Louis, Mo. Short-circuiting device. No. 1,111,358; Sept. 22; Gaz. vol. 206; p. 1006.
- Bretherton, Sidney E. (See Wilson and Bretherton.)
- Brethour, William, Grand Rapids, Mich. Wood-sawing machine. No. 1,095,076; Apr. 28; Gaz. vol. 201; p. 1142.
- Bretney, Eugene, Indianapolis, Ind. Refrigerating apparatus. No. 1,109,396; Sept. 1; Gaz. vol. 206; p. 192.
- Bretsch, Homer L., Hastings-upon-Hudson, N. Y. Tellurian. No. 1,099,014; June 2; Gaz. vol. 203; p. 222.
- Bretschneider, Carl P. C., Philadelphia, Pa. Shock-absorber. No. 1,084,925; Jan. 20; Gaz. vol. 198; p. 614.
- Brett, Adley I., and H. L. Parker, Braintree, Mass. Saddle for motor-cycles. No. 1,091,800; Mar. 31; Gaz. vol. 200; p. 1236.
- Brett, William J., Coventry, assignor to F. Jellings, Leeds, England. Flushing-valve. No. 1,102,469; July 7; Gaz. vol. 204; p. 87.
- Brett, William P., Decatur, Ill. Windmill. No. 1,105,020; July 28; Gaz. vol. 204; p. 1106.
- Brett, William P., Decatur, Ill. Windmill-power plant. No. 1,105,021; July 28; Gaz. vol. 204; p. 1107.
- Breuer, John C., Lakewood, assignor to The Flexotype Co., Cleveland, Ohio. Drying apparatus. No. 1,084,783; Jan. 20; Gaz. vol. 198; p. 567.
- Breuer, Martin W. (See Cook and Breuer.)
- Breuer, Vladimir, and P. Leschnik, New York, N. Y. Clamp for burial-cases. No. 1,095,154; Apr. 28; Gaz. vol. 201; p. 1170.
- Breul, Frederick G., Bridgeport, Conn. Making chain-links. No. 1,084,250; Jan. 13; Gaz. vol. 198; p. 360.
- Breunig, Louis, New York, N. Y. Photographic camera. No. 1,113,748; Oct. 13; Gaz. vol. 207; p. 510.
- Brevetti, Delizio, New York, N. Y. Jewel-setting. No. 1,099,634; June 9; Gaz. vol. 203; p. 477.
- Brew, Leslie M., and E. H. Reeves, Herne Hill, London, England. Shock-absorber for motor-cars and other road-vehicles. No. 1,086,750; Feb. 10; Gaz. vol. 199; p. 454.
- Brewer, Addison P. (See Malley, Brewer, and Hosner.)
- Brewer, Albert D. (See Jacobs and Brewer.)
- Brewer, Albert G., Natick, assignor to Welted Sole Company, Boston, Mass. Machine for molding soles. No. 1,109,196; Sept. 1; Gaz. vol. 206; p. 121.
- Brewer, Charles A. (See Bates, Albert J., assignor.)
- Brewer, Charles B., Hyattsville, Md. Ventilator. No. 1,099,963; June 16; Gaz. vol. 203; p. 626.
- Brewer, Ella G., New York, N. Y. Bottle-protector. No. 1,116,670; Nov. 10; Gaz. vol. 208; p. 459.
- Brewer, Richard F., *et al.* (See Kent, Victor E., assignor.)
- Brewer, Robert W. A., and G. H. Jones, London, England. Carbureter. No. 1,097,787; May 26; Gaz. vol. 202; p. 1022.
- Brewington, Henry S., Baltimore, Md. Writing-pen. No. 1,089,041; Mar. 3; Gaz. vol. 200; p. 125.
- Brewitt, Walter, Essen-on-the-Ruhr, Germany. Apparatus for use in butt-welding the ends of rails. No. 1,088,006; Feb. 24; Gaz. vol. 199; p. 988.
- Brewster, Charles H., Middletown, Conn. Automobile wrecking apparatus. No. 1,108,690; Aug. 25; Gaz. vol. 205; p. 1224.
- Brewster, Edward J., Houston, Tex. Automobile-signal. No. 1,121,790; Dec. 22; Gaz. vol. 209; p. 1125.
- Brewster, George A., New York, N. Y. Burglar-alarm. No. 1,101,056; June 23; Gaz. vol. 203; p. 1059.
- Brewster, Harry C., Shreveport, La. Well-packer. No. 1,090,019; Mar. 10; Gaz. vol. 200; p. 509.
- Brewster, Harry C., Shreveport, La. Tube-gripping apparatus for boring wells. No. 1,107,025; Aug. 11; Gaz. vol. 205; p. 544.
- Brewster, Lee, Tupelo, Miss. Railway-track. No. 1,085,015; Jan. 20; Gaz. vol. 198; p. 644.
- Brewster, Robert, Chicago, Ill. Game device. No. 1,116,555; Nov. 10; Gaz. vol. 208; p. 415.
- Brewster, Robert, and J. Gottertz, Sheldon, Iowa. Well-digging apparatus. No. 1,113,303; Oct. 13; Gaz. vol. 207; p. 353.
- Brewster, William A., Winnipeg, Manitoba, Canada. Hot-water drum. No. 1,087,717; Feb. 17; Gaz. vol. 199; p. 843.
- Brewster, William D., Syracuse, assignor to National Brake Company, Incorporated, Buffalo, N. Y. Hand-operated brake mechanism. No. 1,111,640; Sept. 22; Gaz. vol. 206; p. 1104.
- Brezinski, Joseph F., assignor of one-half to A. Owczarzak, Chicago, Ill. Davenport-bed. No. 1,087,718; Feb. 17; Gaz. vol. 199; p. 843.
- Brezinski, Joseph F., assignor of one-half to A. Owczarzak, Chicago, Ill. Davenport-bed. No. 1,088,258; Feb. 24; Gaz. vol. 199; p. 1073.
- Briand, Charles C., Revere, Mass., assignor to Peter Gray & Sons, Inc. Lamp-burner. No. 1,107,211; Aug. 11; Gaz. vol. 205; p. 611.
- Briare, John J., Stockton, Cal. Measuring device. No. 1,096,996; May 19; Gaz. vol. 202; p. 700.
- Briare, John J., Stockton, Cal. Basket-ball game. No. 1,115,893; Nov. 3; Gaz. vol. 208; p. 145.
- Bricken, John, Chicago, Ill., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating-machine. No. 1,094,054; Apr. 21; Gaz. vol. 201; p. 731.
- Bricken, John, Chicago, Ill., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating-machine. No. 1,119,061; Dec. 1; Gaz. vol. 209; p. 58.
- Bricker, Albert, Rantoul, Kans. Clamp. No. 1,087,719; Feb. 17; Gaz. vol. 199; p. 843.
- Bricker, Edward J., assignor of one-half to O. E. Safford and one-tenth to W. M. Chowning, Minneapolis, Minn. Automatic air-brake hose-coupling for cars. No. 1,112,973; Oct. 6; Gaz. vol. 207; p. 195.
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- Bridenbaugh, Elmer H., assignor to Ohmer Fare Register Company, Dayton, Ohio. Fare-register. No. 1,091,727; Mar. 31; Gaz. vol. 200; p. 1210.
- Bridge, Robert. (See Cummins, Arthur E., assignor.)
- Bridgeport Brass Company. (See Clark, Walter R., assignor.)
- Bridgeport Brass Company. (See Moore, Arthur H., assignor.)
- Bridgeport Brass Company. (See Webster, William R., assignor.)
- Bridgeport Hardware Manufacturing Corporation, The. (See Hobbs, Willis F., assignor.)
- Bridgeport Hardware Manufacturing Corporation, The. (See Platt, Arthur I., assignor.)
- Bridgeport Mechanical Company, The. (See Wagner and Lohmeyer, assignors.)
- Bridgeport Motor Car Co., The. (See Brautigam, Henry H., assignor.)
- Bridges, Andrew M., assignor of one-half to G. M. Chapman, Bostic, N. C. Surveying instrument or range-finder. No. 1,106,774; Aug. 11; Gaz. vol. 205; p. 459.
- Bridges, Charles E., Chicago, Ill. Engine-starter. No. 1,114,852; Oct. 27; Gaz. vol. 207; p. 990.
- Bridges, Jane, *et al.* (See Graves, John W., assignor.)
- Bridges, Josiah S., assignor to Koolbrite Toy Company, Chicago, Ill. Teething device. No. 1,095,264; May 5; Gaz. vol. 202; p. 31.
- Bridges, Lyman A., Burlingame, Cal. Marginal ticket-cutter. No. 1,122,363; Dec. 29; Gaz. vol. 209; p. 1362.
- Bridges, Orville A., Zanesville, Ohio. Apparatus for feeding molten glass. No. 1,121,608; Dec. 22; Gaz. vol. 209; p. 1061.
- Bridges, Stephen H., *et al.* (See Zohm, Richard, assignor.)
- Bridges, Walter S., Chicago, Ill. Cuspidor. No. 1,119,679; Dec. 1; Gaz. vol. 209; p. 268.
- Briegel, Gottlieb, Fond du Lac, Wis. Pneumatic tool. No. 1,105,876; Aug. 4; Gaz. vol. 205; p. 101.
- Brielmaier, Herman J., St. Louis, Mo. Ice-cream freezer. No. 1,114,104; Oct. 20; Gaz. vol. 207; p. 673.
- Brien, Theodore R., Westfield, Mass. Hot-air furnace. No. 1,094,399; Apr. 21; Gaz. vol. 201; p. 844.
- Brigel, Leo A., Cheviot, Ohio. Automobile-heater. No. 1,095,799; May 5; Gaz. vol. 202; p. 214.
- Brigel, Leo A., Cheviot, Ohio. Pump. No. 1,119,801; Dec. 8; Gaz. vol. 209; p. 345.
- Briggs, David K., and T. N. Smith, assignors of one-third to S. B. Andrews, Portsmouth, Va. Boiler-grate. No. 1,121,791; Dec. 22; Gaz. vol. 209; p. 1126.
- Briggs, Delamar C., assignor to Detroit Steel Products Company, Detroit, Mich. Adjustable hinge for metallic window-ventilators. No. 1,101,249; June 23; Gaz. vol. 203; p. 1124.
- Briggs, Delamar C., assignor to Detroit Steel Products Company, Detroit, Mich. Window-clip. No. 1,115,894; Nov. 3; Gaz. vol. 208; p. 145.
- Briggs, Delamar C., and J. G. Rumney, assignors to Detroit Steel Products Company, Detroit, Mich. Window-clip. No. 1,101,832; June 30; Gaz. vol. 203; p. 1375.
- Briggs-Detroiter Company. (See Lee, William S., assignor.)
- Briggs, Edgar A., Hopkinton, Mass. Brush. No. 1,115,165; Oct. 27; Gaz. vol. 207; p. 1102.
- Briggs, Edward S. (See Feraud, Frank H., assignor.)
- Briggs, George A., Elkhart, Ind. Alternating-current magnet for ignition and combustion engines. No. 1,100,651; June 16; Gaz. vol. 203; p. 861.
- Briggs, Henry, Hasbrouck Heights, N. J. Sewing-machine. No. 1,098,011; May 26; Gaz. vol. 202; p. 1102.
- Briggs, John E. (See Bowman and Briggs.)
- Briggs, John J., Indianapolis, Ind. Device for setting and locking the reverse mechanism of locomotives. No. 1,085,964; Feb. 3; Gaz. vol. 199; p. 137.
- Briggs, Oscar H., Providence, R. I. Mining-machine grizzly. No. 1,098,934; June 2; Gaz. vol. 203; p. 197.
- Briggs, Stephen F., assignor to Briggs & Stratton Company, Milwaukee, Wis. Switch. No. 1,100,949; June 23; Gaz. vol. 203; p. 1021.
- Briggs & Stratton Company. (See Briggs, Stephen F., assignor.)
- Briggs, Thomas. (See Bates and Briggs.)
- Briggs, Thomas L., Brooklyn, N. Y. Tooth-brush. No. 1,092,014; Mar. 31; Gaz. vol. 200; p. 1308.
- Briggs, William C., assignor to Carolina Banding Machine Company, Winston-Salem, N. C. Machine for applying bands to cigars. No. 1,101,507; June 23; Gaz. vol. 203; p. 1214.
- Brigham, Albert H. (See Johnson, William H., assignor.)
- Brigham, Albert H., Whitman, Mass. Apparatus for heading nails or tacks. No. 1,105,613; Aug. 4; Gaz. vol. 205; p. 9.
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- Brigham, Bion, *et al.* (See Fleischauer and Richardson, assignors.)
- Brigham, Henry M., Brooklyn, N. Y. Carbureter. No. 1,114,222; Oct. 20; Gaz. vol. 207; p. 716.
- Brigham, Martin E., Philadelphia, Pa. Oiling device. No. 1,106,775; Aug. 11; Gaz. vol. 205; p. 459.
- Bright, Albert E., Idagrove, Iowa. Watering-trough. No. 1,123,083; Dec. 29; Gaz. vol. 209; p. 1615.
- Bright, Claude H., Jr., Memphis, Tenn. Impression or transfer device. No. 1,104,617; July 21; Gaz. vol. 204; p. 919.
- Bright, Colonel E., Columbus, Ohio. Tire. No. 1,090,195; Mar. 17; Gaz. vol. 200; p. 612.
- Bright, Fred E., Philadelphia, Pa. Mechanical movement. No. 1,120,679; Dec. 15; Gaz. vol. 209; p. 702.
- Bright, James H., Houston, Tex. Folding bow for vehicle-tops. No. 1,101,903; June 30; Gaz. vol. 203; p. 1401.
- Brightman, Frank E., assignor to The Brightman Nut & Manufacturing Company, Sandusky, Ohio. Machine for making castellated nuts. No. 1,092,126; Mar. 31; Gaz. vol. 200; p. 1346.
- Brightman, Frank E., assignor to E. L. Marsh, Sandusky, Ohio. Nut-making machine and the like. No. 1,116,556; Nov. 10; Gaz. vol. 208; p. 416.
- Brightman, Frank E., assignor to E. L. Marsh, Sandusky, Ohio. Grinding-machine. No. 1,116,557; Nov. 10; Gaz. vol. 208; p. 416.
- Brightman, Latham H., Columbus, Ohio. Punch for castellating nuts. No. 1,094,975; Apr. 28; Gaz. vol. 201; p. 1109.
- Brightman Nut & Manufacturing Company, The. (See Brightman, Frank E., assignor.)
- Briles, James M., Alice, Tex. Soil-pulverizer. No. 1,107,891; Aug. 18; Gaz. vol. 205; p. 899.
- Brill, Jesse A. (See Roush and Brill.)
- Brill, Joseph W. (See Harvey and Brill.)
- Brillion Iron Works. (See Ariens, Henry, assignor.) (Re-issue.)
- Brimmer, Charles A., assignor to E. B. Schwartz, Spring Green, Wis. Milk-sheet and record holder. No. 1,099,015; June 2; Gaz. vol. 203; p. 222.
- Brimson, James H., assignor of one-half to W. H. Hart, Saginaw, Mich. Variable-speed mechanism. No. 1,101,681; June 30; Gaz. vol. 203; p. 1324.
- Brinckerhoff, Francis M., Englewood, N. J., assignor to Forsyth Brothers Company, Chicago, Ill. Unit-section side frame for cars. No. 1,090,594; Mar. 17; Gaz. vol. 200; p. 751.
- Brinckerhoff, Francis M., Englewood, N. J., assignor to Forsyth Brothers Company, Chicago, Ill. Unit-section sheathing for cars. No. 1,090,595; Mar. 17; Gaz. vol. 200; p. 752.
- Brindle, Thomas, Providence, R. I., assignor to R. Burgess, Newton, Mass. Loom. No. 1,094,424; Apr. 28; Gaz. vol. 201; p. 913.
- Brindley, Harry S. B., assignor to Boiler Scalors Limited, Westminster, London, England. Flue-scraper. No. 1,116,982; Nov. 10; Gaz. vol. 208; p. 567.
- Brine, Richard A., Boston, Mass. Wind-shield. No. 1,087,104; Feb. 17; Gaz. vol. 199; p. 626.
- Briner, Robert F., Saratoga, Wyo. Trap-nest. No. 1,102,386; July 7; Gaz. vol. 204; p. 57.
- Briney, Charles E., Coraopolis, Pa. Attachment for hot-water radiators. No. 1,091,625; Mar. 31; Gaz. vol. 200; p. 1175.
- Brink, George B., *et al.* (See Baines, Henry C., assignor.)
- Brink, George B., Plymouth, Mich. Spring structure and upholstering-cover therefor. No. 1,110,987; Sept. 15; Gaz. vol. 206; p. 834.
- Brink, George B., assignor to Tufting Machine Supply Company, Detroit, Mich. Cushion-mold. No. 1,103,477; July 14; Gaz. vol. 204; p. 482.
- Brink, Harry L. (See Crosby, Wilhelm, and Brink.)
- Brinker, Edward P., Des Moines, Iowa. Undergarment. No. 1,084,065; Jan. 13; Gaz. vol. 198; p. 297.
- Brinkman, Louis H., Glen Ridge, N. J., assignor to General Industries Co., New York, N. Y. Process of forming tubes and apparatus therefor. No. 1,088,650; Feb. 24; Gaz. vol. 199; p. 1202.
- Brinkman, Louis H., Glen Ridge, N. J., assignor to General Industries Company. Fluid-motor or the like. No. 1,094,522; Apr. 28; Gaz. vol. 201; p. 948.
- Brinkman, Louis H., Glen Ridge, N. J., assignor to General Industries Company. Bottle-capping machine. No. 1,094,776; Apr. 28; Gaz. vol. 201; p. 1039.
- Brinkman, Louis H., Glen Ridge, N. J., assignor to General Industries Company, New York, N. Y. Bottle-capping machine. No. 1,114,105; Oct. 20; Gaz. vol. 207; p. 674.
- Brinkman, Louis H., Glen Ridge, N. J., assignor to General Industries Company. Bottle-capping machine. (Reissue.) No. 13,851; Dec. 22; Gaz. vol. 209; p. 1283.
- Brinkman, Louis H., Glen Ridge, N. J., assignor to Baltimore Tube Company, Baltimore, Md. Tube-finishing machine. No. 1,095,265; May 5; Gaz. vol. 202; p. 31.
- Brinkman, Louis H., Glen Ridge, N. J., assignor to Baltimore Tube Company, Baltimore, Md. Corrugating or folding tubes. No. 1,120,267; Dec. 8; Gaz. vol. 209; p. 508.
- Brinkman, Louis H., Glen Ridge, N. J., assignor to Baltimore Tube Company, Baltimore, Md. Helically-corrugated tube. No. 1,120,268; Dec. 8; Gaz. vol. 209; p. 509.
- Brinkman, Louis H., Glen Ridge, N. J., assignor to Baltimore Tube Company, Baltimore, Md. Tube-corrugating apparatus. No. 1,120,269; Dec. 8; Gaz. vol. 209; p. 509.

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- Brinkmann, Adolf. (See Bisbach, John F., assignor.)
 Brinkmann, Charles J., Glencoe, Minn. Automobile-horn. No. 1,105,615; Aug. 4; Gaz. vol. 205; p. 9.
 Brinkworth, William G. (See Stockhausen and Brinkworth.)
 Brinley, Charles A., assignor to The American Pulley Company, Philadelphia, Pa. Shaft-hanger. No. 1,091,478; Mar. 31; Gaz. vol. 200; p. 1124.
 Brinton, Charles L. (See Shaffer, George H., assignor.)
 Brion, Samuel J. (See Cilley and Brion.)
 Brisbane, Arthur, New York, N. Y. Vehicle-wheel. No. 1,119,237; Dec. 1; Gaz. vol. 209; p. 117.
 Briscoe, John S. (See Turner and Briscoe.)
 Briscoe, Madison P., Athens, Ga. Combined planter and fertilizer-distributor. No. 1,115,777; Nov. 3; Gaz. vol. 208; p. 104.
 Briscoe Manufacturing Company. (See Groehn, Otto J., assignor.)
 Brissenden, Walter W., Inglewood, Cal., assignor to National Steam Specialty Company, Chicago, Ill. Radiator-valve. No. 1,089,529; Mar. 10; Gaz. vol. 200; p. 342.
 Bristol Company, The. (See Bristol, William H., assignor.)
 Bristol, Edgar H., Naugatuck, Conn., assignor, by mesne assignments, to The Foxboro Company, Foxboro, Mass. Engine stop mechanism. No. 1,109,611; Sept. 1; Gaz. vol. 206; p. 264.
 Bristol, Edgar H., Naugatuck, Conn., assignor to The Foxboro Company, Foxboro, Mass. Recording pressure-gage. No. 1,115,778; Nov. 3; Gaz. vol. 208; p. 104.
 Bristol, William H., assignor to The Bristol Company, Waterbury, Conn. Indicating and recording hygrometer. No. 1,098,472; June 2; Gaz. vol. 203; p. 40.
 Bristol, William H., assignor to The Bristol Company, Waterbury, Conn. Sheet-metal sprocket-rim. No. 1,098,473; June 2; Gaz. vol. 203; p. 40.
 Bristol, William H., assignor to The Bristol Company, Waterbury, Conn. Instrument-casing. No. 1,099,115; June 2; Gaz. vol. 203; p. 253.
 Bristol, William H., assignor to The Bristol Company, Waterbury, Conn. Measuring instrument. No. 1,106,341; Aug. 4; Gaz. vol. 205; p. 260.
 Bristol, William H., assignor to The Bristol Company, Waterbury, Conn. Screw-fastening device. No. 1,106,342; Aug. 4; Gaz. vol. 205; p. 260.
 Bristow, Joseph, Jr., Oak Park, Ill. Stucco construction. No. 1,110,309; Sept. 15; Gaz. vol. 206; p. 595.
 Britt, Alfred A., Detroit, Mich. Packless valve for pressure or vacuum systems. No. 1,090,269; Mar. 17; Gaz. vol. 200; p. 637.
 Britt, Auttum J., Glenwood, Ind. Spindle-lubricator. No. 1,093,970; Apr. 21; Gaz. vol. 201; p. 702.
 Britt, Aylett T., Kansas City, Mo. Lighting attachment for alarm-clocks. No. 1,084,603; Jan. 20; Gaz. vol. 198; p. 503.
 Britt, Cora B. (See Zimmerman and Britt.)
 Britt, Oliver W., San Francisco, Cal. Vehicle-tire. No. 1,103,478; July 14; Gaz. vol. 204; p. 482.
 Britt, Paul A., St. Louis, Mo. Water-heater for combination stoves and ranges. No. 1,105,616; Aug. 4; Gaz. vol. 205; p. 10.
 Britt, William J., Jr., assignor to Killark Electric Manufacturing Company, St. Louis, Mo. Fuse. No. 1,110,478; Sept. 15; Gaz. vol. 206; p. 657.
 Brittain, George E., assignor to I. L. Keith, Haverhill, Mass. Holder for cementing soles. (Reissue.) No. 13,714; Apr. 21; Gaz. vol. 201; p. 849.
 Britten, William M., Los Angeles, Cal. Oil-burner. No. 1,102,387; July 7; Gaz. vol. 204; p. 58.
 Brittin, Raymond C., Norwich, Conn. Telegraph-key. No. 1,099,912; June 16; Gaz. vol. 203; p. 609.
 Britton, George G., assignor to Interstate Roofing & Foundry Company, Anniston, Ala. Sash-operating mechanism. No. 1,091,728; Mar. 31; Gaz. vol. 200; p. 1210.
 Britz, James S., et al. (See Moliton and Britz, assignors.)
 Britz, Mathias. (See Moliton and Britz.)
 Britz, Peter M., et al. (See Moliton and Britz, assignors.)
 Brix, Niels T., Aalborg, Denmark. Water-gage. No. 1,100,707; June 23; Gaz. vol. 203; p. 936.
 Brix, Peder, Omaha, Nebr. Handle-grip control for motorcycles. No. 1,114,440; Oct. 20; Gaz. vol. 207; p. 794.
 Brix, Peder, Omaha, Nebr. Hand-grip control for motorcycles. No. 1,114,441; Oct. 20; Gaz. vol. 207; p. 795.
 Brixen, Andrew C., assignor of one-half to P. O. Johnson, Laurin, Mont. Cattle-guard. No. 1,094,834; Apr. 28; Gaz. vol. 201; p. 1060.
 Brixius, Frank E., Manitowoc, assignor of one-half to G. P. Brunner, Manitowoc Rapids, Wis. Electrically-operated hammer. No. 1,110,285; Sept. 8; Gaz. vol. 206; p. 548.
 Brizee, Harry A. (See Smith, William C., assignor.)
 Brizendin, John H., Lees Summit, Mo. Resilient wheel. No. 1,090,834; Mar. 24; Gaz. vol. 200; p. 862.
 Broad, William, Beaver Falls, Pa. Dry-cell battery. No. 1,086,437; Feb. 10; Gaz. vol. 199; p. 344.
 Broad, William, Beaver Falls, Pa. Electric flash-light. No. 1,097,910; May 26; Gaz. vol. 202; p. 1067.
 Broad, William, Beaver Falls, Pa. Renewal element for semi-dry-cell batteries. No. 1,106,540; Aug. 11; Gaz. vol. 205; p. 375.
 Broadbent, David L. J., and E. Alderson, Southport, England. Countersink and other drill. No. 1,095,185; May 5; Gaz. vol. 202; p. 4.
 Broadbooks, Peter, Batavia, N. Y. Farrier's nail-pulling nippers. No. 1,090,020; Mar. 10; Gaz. vol. 200; p. 510.
 Broadbridge, Walter, and A. C. Howard, assignors to Minerals Separation Limited, London, England. Apparatus for ore concentration. No. 1,084,196; Jan. 13; Gaz. vol. 198; p. 342.
 Broadfield Poultry Farm. (See Warren, John B., assignor.)
 Broadhead, Ernest W., Mancos, Colo. Valve. No. 1,123,084; Dec. 29; Gaz. vol. 209; p. 1615.
 Broadhurst, Frank S., and L. L. Pratt, assignors to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Atmospheric relief-valve. No. 1,099,689; June 9; Gaz. vol. 203; p. 497.
 Broadt, Morris S., East Downingtown, Pa. Humidor. No. 1,120,180; Dec. 8; Gaz. vol. 209; p. 477.
 Broady, Harry W. (See Lundin and Broady.)
 Broady, Harry W., Bayside, N. Y., assignor to Welin Marine Equipment Co. Device for securing and releasing life-boats. No. 1,118,527; Nov. 24; Gaz. vol. 208; p. 1188.
 Broberg, Henry, Warmsprings, Mont. Bottle casing or protector. No. 1,120,127; Dec. 8; Gaz. vol. 209; p. 458.
 Broccolin, Julius, assignor of one-half to R. Atkinson, Cleveland, Ohio. Shock-absorber. No. 1,110,876; Sept. 15; Gaz. vol. 206; p. 798.
 Broche, Alfred R. (See Mistral and Broche.)
 Brochu, Michael, assignor of one-half to F. D. Campau, Grand Rapids, Mich. Feed mechanism. No. 1,106,328; Aug. 4; Gaz. vol. 205; p. 256.
 Brock, Alice G. (See Dade and Brock.)
 Brock, Frederick, Philadelphia, assignor of one-half to J. R. Jackson, West Philadelphia, Pa. Reinforced paper-board protective folder or carton. No. 1,083,271; Jan. 6; Gaz. vol. 198; p. 4.
 Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,084,066; Jan. 13; Gaz. vol. 198; p. 297.
 Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-lasting mechanism. No. 1,108,100; Aug. 18; Gaz. vol. 205; p. 973.
 Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-band. No. 1,108,101; Aug. 18; Gaz. vol. 205; p. 973.
 Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Toe-binding apparatus. No. 1,109,660; Sept. 8; Gaz. vol. 206; p. 323.
 Brock, Matthias, Roxbury, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Pincers. No. 1,106,360; Aug. 11; Gaz. vol. 205; p. 311.
 Brock, Richard E. (See Mogan and Brock.)
 Brock, Richard E., Monessen, assignor to Pittsburgh Steel Products Co., Pittsburgh, Pa. Cross-rolling mill. No. 1,115,495; Nov. 3; Gaz. vol. 208; p. 10.
 Brock, Samuel T., Mount Vernon, Ohio. Puttyless window sash and pane holder. No. 1,110,530; Sept. 15; Gaz. vol. 206; p. 674.
 Brock, William D., Oxford, Pa. Safety-guard for machines. No. 1,106,920; Aug. 11; Gaz. vol. 205; p. 511.
 Brockdorff-Witzenmann m. b. H. (See Tobler, Ulrich, assignor.)
 Brocker, Wilhelm J., Groton, and N. J. Baker, Mystic, Conn. Shock-absorber. No. 1,112,671; Oct. 6; Gaz. vol. 207; p. 93.
 Brockhaus, Herman A., Woodward, Okla. Grease-cup. No. 1,088,804; Mar. 3; Gaz. vol. 200; p. 44.
 Brockhoff, Fredrick W. (See Knox and Brockhoff.)
 Brockie, Harold I., Newark, N. J. Head-rod construction for awnings. No. 1,113,749; Oct. 13; Gaz. vol. 207; p. 510.
 Brockman, A. F. (See Leonard, William C., assignor.)
 Brockman, Aloysius B. and W. Lawrence, Nebr. Transmission mechanism. No. 1,089,186; Mar. 3; Gaz. vol. 200; p. 178.
 Brockman, William. (See Brockman, Aloysius B. and W.)
 Brockton Rand Company, The. (See Lyon, Harry, assignor.)
 Brockway, Ezra C., assignor to Merchants Co-Operative Co., Trenton, N. J. Clock-bank. No. 1,091,422; Mar. 24; Gaz. vol. 200; p. 1060.
 Brockway, George F., Eden, Iowa. Cross-tie. No. 1,103,652; July 14; Gaz. vol. 204; p. 547.
 Broderick, James F. (See Bartholomew, Broderick, and Balzer.)
 Broderick, James F., assignor to Troy Laundry Machinery Company, Ltd., Chicago, Ill. Laundry-dampening box. No. 1,091,558; Mar. 31; Gaz. vol. 200; p. 1152.
 Broderick, John J., Manchester, N. H. Printer's tool. No. 1,087,570; Feb. 17; Gaz. vol. 199; p. 789.
 Broderick, John W., Newark, N. J. Gas-engine. No. 1,100,212; June 16; Gaz. vol. 203; p. 713.
 Broderick, Martin J., Philadelphia, Pa. Tire-armor. No. 1,100,950; June 23; Gaz. vol. 203; p. 1022.
 Brodeur, Alclblade A., Worcester, Mass. Fan attachment for rocking chairs. No. 1,093,529; Apr. 14; Gaz. vol. 201; p. 512.

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- Brodhead, Edward E., New York, N. Y. Baker's utensil. No. 1,112,764; Oct. 6; Gaz. vol. 207; p. 125.
- Brodie, Charles J., Waverly, Iowa. Snow-scraper. No. 1,114,442; Oct. 20; Gaz. vol. 207; p. 795.
- Brodie, George A., Portland, Oreg. Cow-milking apparatus. No. 1,113,170; Oct. 6; Gaz. vol. 207; p. 262.
- Brodsky, Frank. (See Prochazka, Gustav, assignor.)
- Brogan, Edward J., Yonkers, N. Y. Photographic-printing frame. No. 1,095,800; May 5; Gaz. vol. 202; p. 214.
- Brogan, Graham W., Mount Vernon, N. Y. Talking-machine. No. 1,099,913; June 16; Gaz. vol. 203; p. 609.
- Brogan, James A., Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Making shoes. No. 1,093,030; Apr. 14; Gaz. vol. 201; p. 344.
- Brogan, Michael F., Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Liquid-applying device. No. 1,090,196; Mar. 17; Gaz. vol. 200; p. 612.
- Brogan, Michael F., Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,103,935; July 21; Gaz. vol. 204; p. 684.
- Brokaw, James I., New York, N. Y. Hand-ball glove. No. 1,083,795; Jan. 6; Gaz. vol. 198; p. 176.
- Brokaw, William G. (See Fischmann, Karl, assignor.)
- Broluska, Amel B., Detroit, Mich. Adjusting member for car-brakes. No. 1,118,915; Dec. 1; Gaz. vol. 209; p. 3.
- Bromet, John, F. Thorman, and H. C. Wood, Tadcaster, England. Centrifugal apparatus for treating sewage. No. 1,098,554; June 2; Gaz. vol. 203; p. 70.
- Bronarsky, Stephan S., Chicago, Ill. Combined ironing-table and step-ladder. No. 1,108,092; Aug. 18; Gaz. vol. 205; p. 970.
- Bronk, Otto von. (See Schloemilch and Bronk.)
- Bronnert, Emile, Niedermorschweiler, near Mulhausen, assignor to Vereinigte Glanzstoff-Fabriken A.-G., Elberfeld, Germany. Production of threads, films, or plates. No. 1,102,237; July 7; Gaz. vol. 204; p. 6.
- Bronnert, Emile, Niedermorschweiler, assignor to Vereinigte Glanzstoff-Fabriken A.-G., Elberfeld, Germany. Production of shaped articles from copper-ammonium cellulose solution. No. 1,106,077; Aug. 4; Gaz. vol. 205; p. 172.
- Bronosky, Frank W., Minden, W. Va. Monkey-wrench. No. 1,088,203; Feb. 24; Gaz. vol. 199; p. 1055.
- Bronson, Bert L., assignor of one-half to J. S. Baughman, Blairsville, Pa. Electric switch. No. 1,086,507; Feb. 10; Gaz. vol. 199; p. 369.
- Bronson, Bert L., assignor of one-half to J. S. Baughman, Blairsville, Pa. Folding square. No. 1,090,811; Mar. 17; Gaz. vol. 200; p. 822.
- Bronson, George S., Beacon Falls, Conn. Spring-binge. No. 1,095,701; May 5; Gaz. vol. 202; p. 180.
- Bronson, William D., Duke, Okla. Exhaust-heater for steam or gasoline engines. No. 1,120,996; Dec. 15; Gaz. vol. 209; p. 813.
- Bronstien, Samuel, St. Paul, Minn. Wire fabric. No. 1,101,005; June 23; Gaz. vol. 203; p. 1041.
- Bronstien, Samuel, St. Paul, Minn. Mattress. No. 1,107,753; Aug. 18; Gaz. vol. 205; p. 852.
- Brook, Harry C., Hartford, Conn. Dyeing. No. 1,096,997; May 19; Gaz. vol. 202; p. 700.
- Brooke, Hadley Y. (See Brooke, James E. M., assignor.)
- Brooke, James E. M., Washington, D. C., assignor of one-half to H. Y. Brooke, Luverne, Ala. Printer's galley. No. 1,105,957; Aug. 4; Gaz. vol. 205; p. 130.
- Brooke, Mary E., Denver, Colo. Elastic-tire-attaching means for use on wheels of bicycles, motor-cycles, automobiles, and flying-machines. No. 1,117,318; Nov. 17; Gaz. vol. 208; p. 725.
- Brookman, Thomas M., Elmira, N. Y. Fastener for ironing-board covers. No. 1,083,796; Jan. 6; Gaz. vol. 198; p. 176.
- Brooks, Boulton, Birmingham, England. Motor-cycle, cycle, and analogous saddle and seat. No. 1,100,652; June 16; Gaz. vol. 203; p. 862.
- Brooks, Boulton, Birmingham, England. Motor-cycle, cycle, and analogous saddles and seats. No. 1,112,354; Sept. 29; Gaz. vol. 206; p. 1387.
- Brooks, Charles E., Redlands, Cal. Power meat-saw. No. 1,107,405; Aug. 18; Gaz. vol. 205; p. 728.
- Brooks, Charles E., St. Louis, Mo., assignor to Brooks-Latta Automobile Manufacturing Company. Steering mechanism. No. 1,091,423; Mar. 24; Gaz. vol. 200; p. 1060.
- Brooks, Charles E., assignor to Brooks-Latta Automobile Manufacturing Company, St. Louis, Mo. Gas-engine. No. 1,096,594; May 12; Gaz. vol. 202; p. 519.
- Brooks, Chester K., assignor to The National Malleable Castings Company, Cleveland, Ohio. Friction draft-rigging. No. 1,121,970; Dec. 22; Gaz. vol. 209; p. 1190.
- Brooks, Edward J., East Orange, N. J. Snap-seal. No. 1,092,820; Apr. 14; Gaz. vol. 201; p. 274.
- Brooks, Edward J., East Orange, N. J. Snap-seal. No. 1,107,026; Aug. 11; Gaz. vol. 205; p. 545.
- Brooks, Frank M., New York, N. Y. Gas-burner. No. 1,104,473; July 21; Gaz. vol. 204; p. 868.
- Brooks, Frank M., New York, N. Y. Hanger for lighting-fixtures. No. 1,115,166; Oct. 27; Gaz. vol. 207; p. 1102.
- Brooks, Fred H. (See Keith and Brooks.)
- Brooks, Frederick W., Alameda, assignor to The Liquid Stone Paint Co., San Francisco, Cal. Fire-resisting paint. No. 1,083,916; Jan. 13; Gaz. vol. 198; p. 245.
- Brooks, George S., assignor to Mineral Point Zinc Company, Depue, Ill. Apparatus for magnetizing desulfurized ores. No. 1,090,516; Mar. 17; Gaz. vol. 200; p. 725.
- Brooks, Gerry L., administrator. (See Chellis, Eugene D.)
- Brooks, Halbert G. (See Garratt, James H., assignor.)
- Brooks, Harry, assignor of one-fourth to A. W. Craig and one-fourth to D. S. Leppe, Uniontown, Pa. Convertible arm-chair and folding bed. No. 1,104,618; July 21; Gaz. vol. 204; p. 919.
- Brooks, Harry C., Washington, D. C. Pruning-shears. No. 1,117,776; Nov. 17; Gaz. vol. 208; p. 888.
- Brooks, James A., assignor to The J. G. Brill Co., Philadelphia, Pa. Car-truck. No. 1,106,621; Aug. 11; Gaz. vol. 205; p. 407.
- Brooks, James M., Washington, D. C. Envelop-molstener. No. 1,092,688; Apr. 7; Gaz. vol. 201; p. 194.
- Brooks, John, assignor, by mesne assignments, to J. K. Altamus, Philadelphia, Pa. Yarn-winding machine. No. 1,120,438; Dec. 8; Gaz. vol. 209; p. 570.
- Brooks, John C., Paterson, N. J. Loom. No. 1,096,283; May 12; Gaz. vol. 202; p. 415.
- Brooks, John C., Paterson, N. J. Woven pile fabric. No. 1,113,098; Oct. 6; Gaz. vol. 207; p. 236.
- Brooks, John C., Paterson, N. J., assignor to Draper Company, Hopedale, Mass. Warp stop-motion. No. 1,122,850; Dec. 29; Gaz. vol. 209; p. 1533.
- Brooks, John E., H. H. Sleppy, and J. J. Yarnell, Wilmington, Cal. Boring device. No. 1,118,733; Nov. 24; Gaz. vol. 208; p. 1260.
- Brooks, King, and W. V. Owen, Paducah, Ky. Dental tool. No. 1,095,449; May 5; Gaz. vol. 202; p. 94.
- Brooks-Latta Automobile Manufacturing Company. (See Brooks, Charles E., assignor.)
- Brooks, Leon D., San Francisco, Cal. Adjustable gage for sawing-machines. No. 1,092,518; Apr. 7; Gaz. vol. 201; p. 137.
- Brooks, Leon D., San Francisco, Cal. Balloon. No. 1,120,439; Dec. 8; Gaz. vol. 209; p. 570.
- Brooks, Oscar. (See Maynard, Joseph A., assignor.)
- Brooks, Robert A., Chicago, Ill. Flushing-valve. No. 1,096,220; May 12; Gaz. vol. 202; p. 391.
- Brooks, Robert W., Pollard, Ala. Stalk-puller. No. 1,108,325; Aug. 25; Gaz. vol. 205; p. 1099.
- Brooks, Thomas E., Cassopolis, Mich. Silo. No. 1,122,250; Dec. 29; Gaz. vol. 209; p. 1325.
- Brooks, Wallace L., Schenectady, N. Y., assignor to General Electric Company. Electric-current shunt. No. 1,100,708; June 23; Gaz. vol. 203; p. 937.
- Brooks, William J., Letchworth, England. Drawing-stand. No. 1,114,677; Oct. 20; Gaz. vol. 207; p. 874.
- Brooks, William L., Ardmore, Okla. Gas-burner. No. 1,121,464; Dec. 15; Gaz. vol. 209; p. 975.
- Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Snap-seal. No. 1,093,250; Apr. 14; Gaz. vol. 201; p. 422.
- Brookshire, Eston G., and H. G. Wiles, Kansas City, Kans. Stop-motion for spinning-frames. No. 1,108,127; Aug. 25; Gaz. vol. 205; p. 1029.
- Brookshire, Samuel N., Fort Worth, Tex. Silo. No. 1,109,566; Sept. 1; Gaz. vol. 206; p. 247.
- Brown, H. B., et al. (See Riles, Edward, assignor.)
- Brophy, Joseph, Bergland, Mich. Road-machine. No. 1,103,936; July 21; Gaz. vol. 204; p. 684.
- Bropson, James, Cleveland, Ohio. Non-skidding device. No. 1,110,107; Sept. 8; Gaz. vol. 206; p. 485.
- Brosch, Anton, and O. von Aufschneider, Vienna, Austria-Hungary. Apparatus for effecting subaqueous irrigation of the bowels. No. 1,093,251; Apr. 14; Gaz. vol. 201; p. 422.
- Brosch, Hugo, Vienna, Austria-Hungary. Manufacturing tubular metal castings. No. 1,111,641; Sept. 22; Gaz. vol. 206; p. 1104.
- Brosius, Edgar E., Pittsburgh, Pa. Hoisting-bucket. No. 1,087,105; Feb. 17; Gaz. vol. 199; p. 626.
- Brosius, Edgar E., Pittsburgh, Pa. Grab-bucket. No. 1,120,440; Dec. 8; Gaz. vol. 209; p. 570.
- Brosius, Peter C., Chicago, Ill. Cleat. No. 1,100,170; June 16; Gaz. vol. 203; p. 699.
- Brothers, Eli, Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Making shoes. No. 1,103,937; July 21; Gaz. vol. 204; p. 685.
- Brough, Robert J., Tacoma, Wash. Raker-tooth swager. No. 1,091,801; Mar. 31; Gaz. vol. 200; p. 1237.
- Broughton, Lyman D., Hartford, Conn., assignor to Underwood Typewriter Company. Type-writing machine. No. 1,102,238; July 7; Gaz. vol. 204; p. 6.
- Broughton, Walter C., Kansas City, Mo. Knockdown concrete building. No. 1,111,131; Sept. 22; Gaz. vol. 206; p. 928.
- Brown, Charles W. W., Rugeley, England. Wire-strainer for fence-posts and other like purposes. No. 1,084,393; Jan. 13; Gaz. vol. 198; p. 405.

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- Broussard, Carrie P., Youngsville, La. Hat-pin. No. 1,092,689; Apr. 7; Gaz. vol. 201; p. 194.
- Broussard, Hazard, *et al.* (See Prejean, Cleomer, assignor.)
- Brousseau, Harry, assignor to The Standard Welding & Equipment Corporation, New York, N. Y. Torch. No. 1,088,204; Feb. 24; Gaz. vol. 199; p. 1055.
- Brousseau, Harry, assignor to The Standard Welding & Equipment Corporation, New York, N. Y. Torch. No. 1,114,706; Oct. 20; Gaz. vol. 207; p. 885.
- Browder, James H., McKenzie, Ala. Combination rail-joint and rail-clamp. No. 1,093,682; Apr. 21; Gaz. vol. 201; p. 608.
- Brower, Clarence L. (See Addicks and Brower.)
- Brower, Clarence L., Chrome, N. J. Bosh-crane. No. 1,098,090; May 26; Gaz. vol. 202; p. 1129.
- Brower, Edward S., Ridgewood, N. J. Wind-shield. No. 1,109,197; Sept. 1; Gaz. vol. 206; p. 121.
- Brown, Abraham A., assignor to A. L. Palmer Co., New York, N. Y. Waistband-lining for trousers. No. 1,089,315; Mar. 3; Gaz. vol. 200; p. 218.
- Brown, Albert, Richmond, W. Va. Ladder. No. 1,097,522; May 19; Gaz. vol. 202; p. 884.
- Brown, Albert L., Little Rock, Ark. Safety appliance for ammonia-compressors. No. 1,112,672; Oct. 6; Gaz. vol. 207; p. 93.
- Brown, Albert W., Elmira, N. Y. Life-saving buoy. No. 1,093,381; Apr. 14; Gaz. vol. 201; p. 467.
- Brown, Alexander C. E. (See Brown and Merry.)
- Brown, Alexander T., Syracuse, N. Y. Type-writing machine. No. 1,098,091; May 26; Gaz. vol. 202; p. 1130.
- Brown, Alexander T., Syracuse, N. Y. Type-writing machine. No. 1,098,092; May 26; Gaz. vol. 202; p. 1130.
- Brown, Alexander T., Syracuse, N. Y. Type-writing machine. No. 1,098,707; June 2; Gaz. vol. 203; p. 120.
- Brown, Alexander T., assignor to The Brown-Lipe Gear Company, Syracuse, N. Y. Gearing. No. 1,104,243; July 21; Gaz. vol. 204; p. 788.
- Brown, Alfred W., Belfast, J. H. Webster, Carrickfergus, Ireland, and A. G. Salamon, London, England. Manufacture of common salt. No. 1,086,020; Feb. 3; Gaz. vol. 199; p. 158.
- Brown, Alvah W., and G. W. Sinclair, assignors to Durfee Embalming Fluid Co., Grand Rapids, Mich. Cooling-board. No. 1,096,595; May 12; Gaz. vol. 202; p. 519.
- Brown, Alvan B., Benton Harbor, Mich. Sprayer. No. 1,097,788; May 26; Gaz. vol. 202; p. 1023.
- Brown, Alvin, Plainfield, Ill. Building. No. 1,117,777; Nov. 17; Gaz. vol. 208; p. 888.
- Brown, Anna, Vancouver, Wash. Bed. No. 1,104,619; July 21; Gaz. vol. 204; p. 920.
- Brown, Arthur C., trustee. (See Featherstone, Willard B., assignor.)
- Brown, Arthur J., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Centrifugally-operated switch. No. 1,101,994; June 30; Gaz. vol. 203; p. 1434.
- Brown, Arthur J., and R. B. Williamson, Milwaukee, Wis., assignors, by mesne assignments, to Allis-Chalmers Manufacturing Company. Coil-support. No. 1,123,085; Dec. 29; Gaz. vol. 209; p. 1615.
- Brown, Augustus F., assignor to Gorrell Steel Spike Lock Railroad Tie Corporation, Havre de Grace, Md. Metallic railway-tie and fastening. No. 1,115,167; Oct. 27; Gaz. vol. 207; p. 1103.
- Brown, B. R. (See Moore, William W., assignor.)
- Brown Bag Filling Machine Company, The. (See Brown, Benjamin F., assignor.)
- Brown & Bailey Company. (See Brown, Robert I., assignor.)
- Brown, Benjamin F., Woodsville, N. H. Rail-handling apparatus. No. 1,092,630; Apr. 7; Gaz. vol. 201; p. 175.
- Brown, Benjamin F., assignor to The Brown Bag Filling Machine Company, Pitchburg, Mass. Paper drinking-cup. No. 1,110,286; Sept. 8; Gaz. vol. 206; p. 549.
- Brown-Binnian Company. (See Spiller, Harry A., assignor.)
- Brown Burrell Co. (See Thorpe, Joseph B., assignor.)
- Brown, Carl, Denver, Colo., assignor to The Champion Forging Machine Company. Machine for making and sharpening rock-drills and for general forging. No. 1,098,474; June 2; Gaz. vol. 203; p. 41.
- Brown, Carl E., Columbus, Ohio. Electrical piano-player. No. 1,122,468; Dec. 29; Gaz. vol. 209; p. 1397.
- Brown, Carl E., Columbus, assignor to D. I. Hoch, Bellevue, Ohio. Combustion device. No. 1,091,424; Mar. 24; Gaz. vol. 200; p. 1061.
- Brown, Carl E., assignor to United States Manufacturing Company, Columbus, Ohio. Oil-burner. No. 1,118,916; Dec. 1; Gaz. vol. 209; p. 3.
- Brown, Charles C. (See Garfield and Brown.)
- Brown, Charles C., El Reno, Okla. Ensilage-elevator. No. 1,094,872; Apr. 28; Gaz. vol. 201; p. 1072.
- Brown, Charles F., trustee. (See Graves, John W., assignor.)
- Brown, Charles F., assignor to Brown-Meyer Company, Portland, Oreg. Towel-holder. No. 1,115,895; Nov. 3; Gaz. vol. 208; p. 145.
- Brown, Charles F., assignor to Universal Liquid Register Company, New York, N. Y. Strainer. No. 1,116,234; Nov. 3; Gaz. vol. 208; p. 263.
- Brown, Charles F., and W. T. Lowry, assignors to C. S. Steward, Chattanooga, Tenn. Electric heater. No. 1,099,786; June 9; Gaz. vol. 203; p. 529.
- Brown, Charles H. (See Fitzgerald, Michael J., assignor.)
- Brown, Charles H., *et al.* (See Gilmore, William R., assignor.)
- Brown, Charles H., New Haven, Conn. Heel extension and protecting device. No. 1,090,098; Mar. 10; Gaz. vol. 200; p. 536.
- Brown, Charles H., Richmond, Cal. Vehicle-brake. No. 1,116,235; Nov. 3; Gaz. vol. 208; p. 263.
- Brown, Charles H., C. L. Swartout, and M. J. Fitzgerald, Richmond, Cal. Glare-shield for vehicles. No. 1,097,295; May 19; Gaz. vol. 202; p. 807.
- Brown, Charles M., Plattsburg, Mo. Combined rail tie and fastener. No. 1,117,635; Nov. 17; Gaz. vol. 208; p. 835.
- Brown, Charles M., Degraff, and F. Garver, assignors to The Huber Manufacturing Company, Marion, Ohio. Road breaking or scarifying device. No. 1,095,376; May 5; Gaz. vol. 202; p. 70.
- Brown, Charles S., Nashville, Tenn. Method and means for separating fluids having different characteristics. No. 1,089,187; Mar. 3; Gaz. vol. 200; p. 179.
- Brown, Charles T., Chicago, Ill. Self-retrieving safety-buoy for ships. No. 1,113,304; Oct. 13; Gaz. vol. 207; p. 354.
- Brown, Charles W., Cleveland, and A. H. Bowlzer, Jr., Lakewood, Ohio. Convertible hand-truck. No. 1,114,853; Oct. 27; Gaz. vol. 207; p. 990.
- Brown, Charlie, Glencoe, Ill. Headlight. No. 1,110,877; Sept. 15; Gaz. vol. 206; p. 798.
- Brown, Clarence C., Los Angeles, Cal. Candy-cutting device. No. 1,092,331; Apr. 7; Gaz. vol. 201; p. 72.
- Brown, Clarence H., Pittsburgh, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,118,101; Nov. 24; Gaz. vol. 208; p. 1038.
- Brown, Clarence H., Pittsburgh, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,121,971; Dec. 22; Gaz. vol. 209; p. 1190.
- Brown, Clarence L., Cleveland, Ohio. Temperature-recording device. No. 1,115,496; Nov. 3; Gaz. vol. 208; p. 10.
- Brown, Cornelius, *et al.* (See Louis, Martin C., assignor.)
- Brown, David, Jersey City, N. J. Fire-escape. No. 1,119,802; Dec. 8; Gaz. vol. 209; p. 346.
- Brown, Dickson Q., *et al.* (See Kendall, Edward D., assignor.)
- Brown, Earl W., Elyria, Ohio. Method of and apparatus for sampling gases. No. 1,100,171; June 16; Gaz. vol. 203; p. 699.
- Brown, Edmund L., and M. Murphy, assignors to The Caloric Company, Janesville, Wis. Fireless cook-stove or cooker. No. 1,110,184; Sept. 8; Gaz. vol. 206; p. 513.
- Brown, Edward L., assignor of one-half to A. R. Rodway, New York, N. Y. Expense-tabulator. No. 1,094,299; Apr. 21; Gaz. vol. 201; p. 812.
- Brown, Egbert B., Los Angeles, Cal. Vehicle wheel-tire. No. 1,105,958; Aug. 4; Gaz. vol. 205; p. 130.
- Brown, Elbridge M., and H. E. Cedar Falls, Iowa. Embalming-board. No. 1,108,326; Aug. 25; Gaz. vol. 205; p. 1099.
- Brown, Elijah E., New Windsor, Ill. Pipe-wrench. No. 1,116,378; Nov. 10; Gaz. vol. 208; p. 351.
- Brown, Ellsworth L., *et al.* (See McCormack, John M., assignor.)
- Brown, Emil E., Philadelphia, Pa. Non-short-circuiting lamp-socket. No. 1,099,635; June 9; Gaz. vol. 203; p. 477.
- Brown, Ernest F., Pasco, Wash. Tag-holder. No. 1,117,478; Nov. 17; Gaz. vol. 208; p. 781.
- Brown, F. B., *et al.* (See Winberg, Anders W., assignor.)
- Brown, Flora, and A. Senez, Markham, Tex. Ballot-voting machine. No. 1,087,720; Feb. 17; Gaz. vol. 199; p. 844.
- Brown, Francis H., Ridley Park, Pa. Fluid cushion-valve or other regulating mechanism. No. 1,094,116; Apr. 21; Gaz. vol. 201; p. 752.
- Brown, Francis H., Ridley Park, Pa. Controlling combustion. No. 1,098,935; June 2; Gaz. vol. 203; p. 197.
- Brown, Frank, Lexington, Va. Differential transmission mechanism. No. 1,097,843; May 26; Gaz. vol. 202; p. 1041.
- Brown, Frank, assignor to H. M. Boddy, Vancouver, British Columbia, Canada. Clothes-line sheave. No. 1,106,696; Aug. 11; Gaz. vol. 205; p. 437.
- Brown, Frank D., and J. H. Werling, Huntington, Ind. Apparatus for opening and closing doors, gates, &c. No. 1,110,878; Sept. 15; Gaz. vol. 206; p. 798.
- Brown, Frank H., and F. H., Portland, Oreg. Elevating apparatus. No. 1,095,077; Apr. 28; Gaz. vol. 201; p. 1143.
- Brown, Frank N., St. Johnsville, N. Y. Automatic trap-nest. No. 1,096,017; May 12; Gaz. vol. 202; p. 323.
- Brown, Frank O., Dallas, Tex. Raising fluids from Artesian wells. No. 1,093,031; Apr. 14; Gaz. vol. 201; p. 345.
- Brown, Frank W., *et al.* (See Dutcher, Frank, assignor.)
- Brown, Franklin H., assignor to P. W. Adler, Philadelphia, Pa. Packing. No. 1,119,803; Dec. 8; Gaz. vol. 209; p. 346.

Alphabetical list of patentees—Continued.

- Brown, Fred, Marshalltown, Iowa. Corn-harvester. No. 1,121,895; Dec. 22; Gaz. vol. 209; p. 1164.
- Brown, Fred H. (See Brown, Frank H. and F. H.)
- Brown, Frederic H., Lebanon, N. H. Support for dental face-bows. No. 1,085,535; Jan. 27; Gaz. vol. 198; p. 857.
- Brown, G. H. (See Hawley, Joel E., assignor.)
- Brown, Garrett, St. Louis, Mo., assignor to National Advertising & Demonstrating Company, New York, N. Y. Advertising apparatus. No. 1,114,223; Oct. 20; Gaz. vol. 207; p. 716.
- Brown, George, London, England. Transmission-gearing for motor-vehicles. No. 1,113,305; Oct. 13; Gaz. vol. 207; p. 354.
- Brown, George F., Galt, Ontario, Canada. Copy-holder. No. 1,104,100; July 21; Gaz. vol. 204; p. 740.
- Brown, George H., deceased; H. Brown, executor, Belfast, Ireland. Transmitting apparatus for use in electric signaling on railways. No. 1,111,733; Sept. 29; Gaz. vol. 206; p. 1169.
- Brown, George H., deceased, Belfast, Ireland; K. M. and H. Brown, executors and trustees. Electrical block-signaling apparatus for railways. No. 1,097,388; May 19; Gaz. vol. 202; p. 839.
- Brown, George I. (See Keymer and Brown.)
- Brown, George L., Elyria, Ohio. Friction clutch mechanism. No. 1,088,805; Mar. 3; Gaz. vol. 200; p. 44.
- Brown, George R. (See Clayton, Brown, and Clayton.) (Reissue.)
- Brown, George V. A., Chicago, Ill. Pocket-book holder. No. 1,121,465; Dec. 15; Gaz. vol. 209; p. 976.
- Brown, George W., *et al.* (See Waddell, Edward B., Jr., assignor.)
- Brown, George W. A., assignor of two-thirds to G. P. Mills and Clement Talbot Limited, London, England. Carbureter. No. 1,103,864; July 14; Gaz. vol. 204; p. 618.
- Brown, Gibson, *et al.* (See Ames, Joel, assignor.)
- Brown, Gideon P., Chicago, Ill. Soot-blower. No. 1,086,751; Feb. 10; Gaz. vol. 199; p. 454.
- Brown, Goodwin, deceased, Yonkers, N. Y.; L. S. Brown, administratrix. Coffee-dripper. No. 1,083,900; Jan. 6; Gaz. vol. 198; p. 207.
- Brown, Harold W., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical ground-detector. No. 1,112,433; Oct. 6; Gaz. vol. 207; p. 5.
- Brown, Harry E. (See Brown, Elbridge M. and H. E.)
- Brown, Harry J., Moberly, Mo. Planter. No. 1,084,532; Jan. 13; Gaz. vol. 198; p. 449.
- Brown, Harry W., Seattle, Wash. Monorail-car. No. 1,086,890; Feb. 10; Gaz. vol. 199; p. 504.
- Brown, Hazekiah N. (See Brown, Leroy, assignor.)
- Brown, Henry A., Antwerp, N. Y. Animal-truss. No. 1,106,277; Aug. 4; Gaz. vol. 205; p. 238.
- Brown, Henry R., Great Bend, Kans. Machine for hanging wall-paper. No. 1,121,466; Dec. 15; Gaz. vol. 209; p. 976.
- Brown, Herbert, executor. (See Brown, George H.)
- Brown, Herbert, *et al.*, executors and trustees. (See Brown, George H.)
- Brown, Hill E. (See Matthews, David J., assignor.)
- Brown, Howard C., New York, N. Y. Brush. No. 1,117,778; Nov. 17; Gaz. vol. 208; p. 888.
- Brown, Howard O., Hinsdale, N. Y. Tool guide and holder. No. 1,086,508; Feb. 10; Gaz. vol. 199; p. 369.
- Brown, Howard O., and A. H. Lowe, Cuba, N. Y. Motor-driven agricultural machine. No. 1,123,086; Dec. 29; Gaz. vol. 209; p. 1616.
- Brown, Howard S., Brazil, assignor of one-fourth to J. T. Pierson, Terre Haute, and one-fourth to C. D. Pierson, Lewis, Ind. Trench-digging machine. No. 1,113,952; Oct. 20; Gaz. vol. 207; p. 620.
- Brown, Irving E., Sebewa, Mich. Twine-can for self-binding harvesters. No. 1,119,238; Dec. 1; Gaz. vol. 209; p. 117.
- Brown, James A., Annona, Tex. Collapsible wagon-body. No. 1,123,087; Dec. 29; Gaz. vol. 209; p. 1616.
- Brown, James A., assignor to W. F. Cox, Cedar Rapids, Iowa. Valve-actuating gear for explosion-engines. No. 1,102,717; July 7; Gaz. vol. 204; p. 172.
- Brown, James F., New York, N. Y. Picture-exhibitor. No. 1,097,609; May 26; Gaz. vol. 202; p. 957.
- Brown, James H. (See Gilman and Brown.)
- Brown, James H., Denver, Colo. Frameless eyeglass and spectacle mounting. No. 1,114,577; Oct. 20; Gaz. vol. 207; p. 841.
- Brown, James M., assignor of one-half to F. W. Lohmar, Clarinda, Iowa. Lawn-mower sharpener. No. 1,100,951; June 23; Gaz. vol. 203; p. 1022.
- Brown, James W. (See Hyatt and Brown.)
- Brown, James W., Brooklyn, N. Y. Re-forming of films of electrolytic lightning-arresters. No. 1,104,620; July 21; Gaz. vol. 204; p. 920.
- Brown, Jared V., Jr., Waxahachie, Tex. Internal-combustion motor. No. 1,098,012; May 26; Gaz. vol. 202; p. 1103.
- Brown, Jay W. (See Babcock, Wells, and Brown.)
- Brown, John, Niagara Falls, N. Y. Conveying device for sifting-machines and the like. No. 1,100,213; June 16; Gaz. vol. 203; p. 714.
- Brown, John C., Niagara Falls, Ontario, Canada. Fire-escape. No. 1,091,802; Mar. 31; Gaz. vol. 200; p. 1237.
- Brown, John C., St. Paul, Minn. Fire-escape. No. 1,098,223; May 26; Gaz. vol. 202; p. 1174.
- Brown, John G., Philadelphia, Pa. Reinforced concrete construction. No. 1,115,387; Oct. 27; Gaz. vol. 207; p. 1176.
- Brown, John H., Midvale, Utah. Combination pressure-gage and deflation-signal. No. 1,112,974; Oct. 6; Gaz. vol. 207; p. 196.
- Brown, John H., assignor to Brown Perfection Tube Company, New York, N. Y. Making pneumatic tires. No. 1,121,467; Dec. 15; Gaz. vol. 209; p. 976.
- Brown, John J., assignor to Henry R. Worthington, New York, N. Y. Centrifugal, turbine, and similar pump. No. 1,112,518; Oct. 6; Gaz. vol. 207; p. 37.
- Brown, John M. (See Ward, Robert F., assignor.)
- Brown, John R., Vancouver, British Columbia, assignor of one-half to R. Jardine, New Westminster, Canada. Oil-burning system. No. 1,120,441; Dec. 8; Gaz. vol. 209; p. 571.
- Brown, John W., *et al.* (See Schaffer, Charles, assignor.)
- Brown, John W., U. S. Soldiers' Home, D. C. Meat clamp or skewer. No. 1,113,929; Oct. 13; Gaz. vol. 207; p. 572.
- Brown, John W., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Softening the ends of electrodes and other carbon articles. No. 1,084,129; Jan. 13; Gaz. vol. 198; p. 319.
- Brown, John W., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Electrode. No. 1,091,559; Mar. 31; Gaz. vol. 200; p. 1152.
- Brown, John W., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Electric furnace. No. 1,093,382; Apr. 14; Gaz. vol. 201; p. 467.
- Brown, John W., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Electric furnace. No. 1,100,709; June 23; Gaz. vol. 203; p. 937.
- Brown, John W., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Compressing baked carbon articles and closing laminations and seams therein. No. 1,121,792; Dec. 22; Gaz. vol. 209; p. 1126.
- Brown, John W., Jr., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Molding-machine. No. 1,096,675; May 12; Gaz. vol. 202; p. 545.
- Brown, John W., Jr., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Casting apparatus. No. 1,119,680; Dec. 1; Gaz. vol. 209; p. 268.
- Brown, Julian L. R., *et al.* (See De Loss, Harry H., assignor.)
- Brown, Julian S., Syracuse, N. Y. Internal-combustion engine. No. 1,088,259; Feb. 24; Gaz. vol. 199; p. 1074.
- Brown, Katherine H., Chicago, Ill. Electric shoe. No. 1,090,682; Mar. 17; Gaz. vol. 200; p. 780.
- Brown, Kathleen M., *et al.*, executors and trustees. (See Brown, George H.)
- Brown, Landy B. (See Ries, Harry B., assignor.)
- Brown, Lawrence W., Clinton, Mo. Spring-wheel. No. 1,083,316; Jan. 6; Gaz. vol. 198; p. 20.
- Brown, Leon W., New York, N. Y. Bottle-cap. No. 1,116,983; Nov. 10; Gaz. vol. 208; p. 567.
- Brown, Leon W., New York, N. Y., and P. A. Rasmus, Paxton, Ill. Turn-table. No. 1,112,673; Oct. 6; Gaz. vol. 207; p. 94.
- Brown, Leonard L., assignor of one-half to J. W. Bear, Clifton Forge, Va. Automatic emergency flagging-machine. No. 1,093,824; Apr. 21; Gaz. vol. 201; p. 655.
- Brown, Leroy, assignor of one-fourth to H. N. Brown, Dayton, Wash. Automobile. No. 1,116,791; Nov. 10; Gaz. vol. 208; p. 500.
- Brown, Lewis A., Horine, Mo. Safety-bar. No. 1,104,101; July 21; Gaz. vol. 204; p. 741.
- Brown, Lillian S., administratrix. (See Brown, Goodwin.)
- Brown-Lipe Gear Company, The. (See Brown, Alexander T., assignor.)
- Brown-Lipe Gear Company, The. (See Sponable, George W., assignor.)
- Brown, Louis E., assignor to Farrington Manufacturing Co., Roxbury, Mass. Machine for affixing covering material to forms. No. 1,117,162; Nov. 17; Gaz. vol. 208; p. 668.
- Brown, Louis E., assignor to Farrington Manufacturing Company, Boston, Mass. Box or case. No. 1,119,804; Dec. 8; Gaz. vol. 209; p. 346.
- Brown, Louis E., assignor to Farrington Manufacturing Company, Roxbury, Mass. Spring-hinge for jewelry-cases. No. 1,120,370; Dec. 8; Gaz. vol. 209; p. 545.
- Brown, Louis M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Holddown. No. 1,085,400; Jan. 27; Gaz. vol. 198; p. 814.
- Brown, Louis M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Holddown device for lasting-machines. No. 1,095,266; May 5; Gaz. vol. 202; p. 31.
- Brown, Louis M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Rebound control for lasting-carriages. No. 1,114,338; Oct. 20; Gaz. vol. 207; p. 756.

Alphabetical list of patentees—Continued.

- Brown, Louis M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for forming uppers of boots and shoes. No. 1,120,680; Dec. 15; Gaz. vol. 209; p. 703.
- Brown, Louis O., Toledo, Ohio. Casket. No. 1,090,270; Mar. 17; Gaz. vol. 200; p. 638.
- Brown, Louis O., and L. Baurath, Toledo, Ohio, assignors to The Metallic Barrel Company, Chicago, Ill. Closure for the openings of containers. No. 1,090,824; Mar. 17; Gaz. vol. 200; p. 826.
- Brown, Luther G. (See Brown, William H., assignor.)
- Brown, Marshall R., assignor of one-half to D. Aikin, Bellefontaine, Ohio. Rail construction. No. 1,091,281; Mar. 24; Gaz. vol. 200; p. 1016.
- Brown, Martin W., New York, N. Y. Reversing mechanism for engines. No. 1,104,621; July 21; Gaz. vol. 204; p. 920.
- Brown, Mary E., administratrix. (See Ford, John C., assignor.)
- Brown & Mehlohope. (See Kristufek, Ladislav F., assignor.)
- Brown, Mela C., Eugene, Oreg. Milk-bottle cap. No. 1,094,639; Apr. 28; Gaz. vol. 201; p. 990.
- Brown-Meyer Company. (See Brown, Charles F., assignor.)
- Brown, Nester L., Owensboro, Ky. Concrete burial-vault. No. 1,091,282; Mar. 24; Gaz. vol. 200; p. 1017.
- Brown, Nimrod W. L., Marietta, Ga. Trumper for cotton-presses. (Reissue.) No. 13,705; Mar. 24; Gaz. vol. 200; p. 1079.
- Brown, Nimrod W. L., Marietta, Ga. Oil-press. No. 1,107,487; Aug. 18; Gaz. vol. 205; p. 758.
- Brown, Nimrod W. L., Marietta, Ga. Oil-press box. No. 1,114,106; Oct. 20; Gaz. vol. 207; p. 674.
- Brown, Norton M., Aurora, Ill. Feeder for ensilage-machines. No. 1,093,763; Apr. 21; Gaz. vol. 201; p. 634.
- Brown, Orville W. (See Shumway, Cyrus R., assignor.)
- Brown, Otis E., Brockton, Mass., assignor to The Singer Manufacturing Company. Stitch-forming mechanism. No. 1,092,821; Apr. 14; Gaz. vol. 201; p. 275.
- Brown, Otis E., Brockton, Mass., assignor to The Singer Manufacturing Company. Take-up mechanism for sewing-machines. No. 1,097,389; May 19; Gaz. vol. 202; p. 840.
- Brown, Otis E., Brockton, Mass., assignor to The Singer Manufacturing Company. Stitch-forming mechanism. No. 1,111,132; Sept. 22; Gaz. vol. 206; p. 928.
- Brown, Percy, and F. J. Bostock, Huddersfield, England. Worm or like milling machine. No. 1,100,520; June 16; Gaz. vol. 203; p. 818.
- Brown, Percy, and F. J. Bostock, Huddersfield, England. Worm or like milling machine. No. 1,100,521; June 16; Gaz. vol. 203; p. 819.
- Brown, Percy, and F. J. Bostock, Huddersfield, England. Work-support for milling-machines. No. 1,100,522; June 16; Gaz. vol. 203; p. 819.
- Brown, Percy, and F. J. Bostock, Huddersfield, England. Chuck. No. 1,100,523; June 16; Gaz. vol. 203; p. 820.
- Brown, Percy, and F. J. Bostock, Huddersfield, England. Milling-cutter or abrasive-wheel profile generator. No. 1,100,524; June 16; Gaz. vol. 203; p. 820.
- Brown, Percy, and F. J. Bostock, Huddersfield, England. Machine for grinding worms and the like. No. 1,100,525; June 16; Gaz. vol. 203; p. 820.
- Brown, Percy, and F. J. Bostock, Huddersfield, England. Indexing or dividing mechanism for chucks. No. 1,100,526; June 16; Gaz. vol. 203; p. 821.
- Brown, Percy, and F. J. Bostock, Huddersfield, England. Clamping-nut or forcing-jack. No. 1,100,527; June 16; Gaz. vol. 203; p. 821.
- Brown, Percy, and F. J. Bostock, Huddersfield, England. Machine for grinding hobs, milling-cutters, and the like. No. 1,100,528; June 16; Gaz. vol. 203; p. 821.
- Brown, Percy, and F. J. Bostock, Huddersfield, England. Worm-wheel generator or milling-machine. No. 1,122,068; Dec. 22; Gaz. vol. 209; p. 1225.
- Brown, Percy, and F. J. Bostock, Huddersfield, England. Machine or apparatus for testing worms and worm-wheels. No. 1,122,069; Dec. 22; Gaz. vol. 209; p. 1225.
- Brown Perfection Tube Company. (See Brown, John H., assignor.)
- Brown, Perry A. (See Leopold, Arthur C. S., assignor.)
- Brown, Rezeau B., Milwaukee, Wis., assignor to Ritter-Conley Manufacturing Company, Pittsburgh, Pa. Regenerative-retort bench. No. 1,094,523; Apr. 28; Gaz. vol. 201; p. 948.
- Brown, Richard H., Sheephead Bay, N. Y. Pencil-holder. No. 1,101,006; June 23; Gaz. vol. 203; p. 1041.
- Brown, Richard P., Philadelphia, Pa. Radiation-pyrometer. No. 1,089,743; Mar. 10; Gaz. vol. 200; p. 414.
- Brown, Richard P., Philadelphia, Pa. Recording instrument. No. 1,089,744; Mar. 10; Gaz. vol. 200; p. 414.
- Brown, Richard P., assignor to Keystone Electrical Instrument Company, Philadelphia, Pa. Electrical measuring instrument. No. 1,105,481; July 28; Gaz. vol. 204; p. 1270.
- Brown, Richard R., assignor of one-half to W. S. Brown, Belvidere, Ill. Spark-plug. No. 1,098,093; May 26; Gaz. vol. 202; p. 1130.
- Brown, Robert, Greenville, Mo. Electric-despatch system. No. 1,109,397; Sept. 1; Gaz. vol. 206; p. 193.
- Brown, Robert E., Olean, N. Y. Safety-razor-blade holder. No. 1,120,442; Dec. 8; Gaz. vol. 209; p. 571.
- Brown, Robert P., assignor to Brown & Bailey Company, Philadelphia, Pa. Suit-box. No. 1,084,394; Jan. 13; Gaz. vol. 198; p. 406.
- Brown, Robert P., assignor to Brown & Bailey Company, Philadelphia, Pa. Folding box. No. 1,085,106; Jan. 27; Gaz. vol. 198; p. 711.
- Brown, Robert P., assignor to Brown & Bailey Company, Philadelphia, Pa. Goods-folder. No. 1,121,609; Dec. 22; Gaz. vol. 209; p. 1061.
- Brown, Robert S., assignor to The New Britain Machine Company, New Britain, Conn. Tool-rack. No. 1,097,163; May 19; Gaz. vol. 202; p. 760.
- Brown, Robert S., assignor to The New Britain Machine Company, New Britain, Conn. Bench-leg. No. 1,097,164; May 19; Gaz. vol. 202; p. 761.
- Brown, Robert S., assignor to The New Britain Machine Company, New Britain, Conn. Spindle-adjusting mechanism. No. 1,103,479; July 14; Gaz. vol. 204; p. 483.
- Brown, Rush C., Oshkosh, Wis., assignor to Wilkin-Challoner Company. Automatic double gluer and driver. No. 1,089,530; Mar. 10; Gaz. vol. 200; p. 343.
- Brown, Samuel, St. Louis, Mo. Gummed-tape-moistening machine. No. 1,110,667; Sept. 15; Gaz. vol. 206; p. 724.
- Brown, Samuel, St. Louis, Mo. Gummed-tape-moistening machine. No. 1,111,434; Sept. 22; Gaz. vol. 206; p. 1031.
- Brown, Samuel E., Kenosha, Wis. Automobile-seat. No. 1,083,797; Jan. 6; Gaz. vol. 198; p. 177.
- Brown, Samuel F., Indian Orchard, Mass. Game apparatus. No. 1,093,764; Apr. 21; Gaz. vol. 201; p. 634.
- Brown, Samuel W., and W. H. Michael, assignors of one-third to J. H. Bruce, Colorado Springs, Colo. Illuminated indicator. No. 1,106,361; Aug. 11; Gaz. vol. 205; p. 312.
- Brown & Sharpe Manufacturing Company. (See Spalding, Frank, assignor.)
- Brown, Sidney G., London, England. Telephone-receiver. No. 1,096,676; May 12; Gaz. vol. 202; p. 546.
- Brown, Sidney G., London, England. Telephone-transmitter. No. 1,096,677; May 12; Gaz. vol. 202; p. 546.
- Brown, Stephen M. (See Lenhart, Cyrus W., assignor.)
- Brown, Stewart, San Francisco, Cal. Wind-guard for automobiles. No. 1,121,548; Dec. 15; Gaz. vol. 209; p. 1005.
- Brown, Summers, London, England. Spring-wheel. No. 1,116,984; Nov. 10; Gaz. vol. 208; p. 567.
- Brown, Theodore P., assignor to Simplex Player Action Co., Worcester, Mass. Pumping device for musical instruments. No. 1,100,214; June 16; Gaz. vol. 203; p. 714.
- Brown, Theodore P., Worcester, Mass., assignor to Simplex Player Action Company. Pedal and panel operating mechanism for musical instruments. No. 1,100,215; June 16; Gaz. vol. 203; p. 714.
- Brown, Theodore P., assignor to Simplex Player Action Co., Worcester, Mass. Piano-action. No. 1,101,007; June 23; Gaz. vol. 203; p. 1041.
- Brown, Theodore P., Worcester, Mass., assignor to Simplex Player Action Company. Folding pedal for pneumatic musical instruments. No. 1,103,480; July 14; Gaz. vol. 204; p. 483.
- Brown, Theodore P., Worcester, Mass., assignor to Simplex Player Action Company. Musical instrument. No. 1,109,319; Sept. 1; Gaz. vol. 206; p. 164.
- Brown, Theophilus, assignor to Richardson Manufacturing Company, Worcester, Mass. Vehicle. No. 1,099,233; June 9; Gaz. vol. 203; p. 339.
- Brown, Theophilus, assignor to Richardson Manufacturing Company, Worcester, Mass. Apparatus for raising and lowering vehicle-bodies. No. 1,100,350; June 16; Gaz. vol. 203; p. 761.
- Brown, Theophilus, assignor to Marseilles Company, East Moline, Ill. Manure-spreader. No. 1,112,256; Sept. 29; Gaz. vol. 206; p. 1353.
- Brown, Thomas E., Pecos, Tex. Fly-trap. No. 1,102,642; July 7; Gaz. vol. 204; p. 149.
- Brown, Thomas E., New York, N. Y., and C. T. Westlin, Arlington, N. J., assignors to Cotton Machinery Company, New York, N. Y. Machine for use in gathering cotton. No. 1,103,653; July 14; Gaz. vol. 204; p. 547.
- Brown, Thomas J., Crawfordsville, Iowa. Boiler for traction-engines. No. 1,097,523; May 19; Gaz. vol. 202; p. 884.
- Brown, W. T., Jr. (See McCarthy, Joseph F., assignor.)
- Brown, Walter, Evanston, Ill., assignor of one-half to A. B. Birge, St. Louis, Mo. Hand-hole cover for boilers. No. 1,085,965; Feb. 3; Gaz. vol. 199; p. 138.
- Brown, Walter, Evanston, Ill., assignor of one-half to A. B. Birge, St. Louis, Mo. Hand-hole cover-plate for boilers. No. 1,085,966; Feb. 3; Gaz. vol. 199; p. 138.
- Brown, Walter, Webster Groves, assignor to A. B. Birge, St. Louis, Mo. Stay-bolt cutter. No. 1,085,967; Feb. 3; Gaz. vol. 199; p. 138.
- Brown, Walter, Webster Groves, assignor of one-half to A. B. Birge, St. Louis, Mo. Stay-bolt-cutter clamp. No. 1,122,364; Dec. 29; Gaz. vol. 209; p. 1362.

Alphabetical list of patentees—Continued.

- Brown, Walter E., New York, N. Y. Device for controlling elevators. No. 1,095,114; Apr. 28; Gaz. vol. 201; p. 1154.
- Brown, Walter E., assignor to The Peelle Company, New York, N. Y. Automatic door-closing device. No. 1,114,854; Oct. 27; Gaz. vol. 207; p. 991.
- Brown, Walter F. (See Hart, Wilde, and Brown.)
- Brown, Walter F., Worcester, Mass. Steering-gear. No. 1,102,239; July 7; Gaz. vol. 204; p. 7.
- Brown, William. (See Chaney and Brown.)
- Brown, William. (See Dodds and Brown.)
- Brown, William, West Cummington, Mass. Emergency driving apparatus for motor-vehicles. No. 1,112,595; Oct. 6; Gaz. vol. 207; p. 66.
- Brown, William E., *et al.* (See Pontious, Oliver E., assignor.)
- Brown, William E., assignor of fifteen one-hundredths to W. M. Stewart, Milwaukee, Wis. Transmission means. No. 1,099,161; June 9; Gaz. vol. 203; p. 313.
- Brown, William E., assignor of one-half to W. M. Stewart, Milwaukee, Wis. Gas-engine. No. 1,117,319; Nov. 17; Gaz. vol. 208; p. 726.
- Brown, William F., Cedarville, Ark. Churn. No. 1,106,188; Aug. 4; Gaz. vol. 205; p. 211.
- Brown, William H., Cleveland, Ohio. Golf-stroke teacher. No. 1,091,186; Mar. 24; Gaz. vol. 200; p. 985.
- Brown, William H., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Recording-machine. No. 1,088,671; Feb. 24; Gaz. vol. 199; p. 1210.
- Brown, William H., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Zero-eliminating mechanism for calculating-machines. No. 1,108,877; Sept. 1; Gaz. vol. 206; p. 4.
- Brown, William H., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Recording and calculating machine. No. 1,122,191; Dec. 22; Gaz. vol. 209; p. 1264.
- Brown, William H., assignor of one-half to L. G. Brown, Los Angeles, Cal. Truck. No. 1,096,350; May 12; Gaz. vol. 202; p. 439.
- Brown, William J., Anita, Iowa. Adding-machine. No. 1,094,300; Apr. 21; Gaz. vol. 201; p. 812.
- Brown, William J., Pittsburgh, Pa. Envelop moistening and sealing machine. No. 1,122,851; Dec. 29; Gaz. vol. 209; p. 1533.
- Brown, William M., Johnstown, Pa. Load-indicator. No. 1,111,560; Sept. 22; Gaz. vol. 206; p. 1075.
- Brown, William M., Johnstown, Pa. Tongs. No. 1,111,561; Sept. 22; Gaz. vol. 206; p. 1075.
- Brown, William R. (See Toles, Justin K., assignor.)
- Brown, William R., Chicago, Ill., assignor to Municipal Supply Co. Calipers. No. 1,110,879; Sept. 15; Gaz. vol. 206; p. 799.
- Brown, William S., Knoxville, Tenn. Steam-engine valve-gear. No. 1,085,661; Feb. 3; Gaz. vol. 199; p. 28.
- Brown, William S., Knoxville, Tenn. Steam-engine valve-gear. No. 1,086,018; Feb. 3; Gaz. vol. 199; p. 157.
- Brown, William S., Knoxville, Tenn. Steam-engine valve-gear. No. 1,100,668; June 16; Gaz. vol. 203; p. 866.
- Brown, William S., Knoxville, Tenn. Steam-engine valve-gear. No. 1,110,287; Sept. 8; Gaz. vol. 206; p. 549.
- Brown, William S., Knoxville, Tenn. Locomotive valve-gear. No. 1,110,288; Sept. 8; Gaz. vol. 206; p. 549.
- Brown, William S., Knoxville, Tenn. Locomotive valve-gear. No. 1,114,728; Oct. 27; Gaz. vol. 207; p. 945.
- Brown, William S., assignor to W. S. Murrian, trustee, Knoxville, Tenn. Steam-engine valve-gear. (Reissue.) No. 13,770; July 14; Gaz. vol. 204; p. 639.
- Brown, William W., assignor to Klauder-Weldon Dyeing Machine Company, Amsterdam, N. Y. Dyeing-machine. No. 1,120,899; Dec. 15; Gaz. vol. 209; p. 780.
- Brown, Willis and A. C. E., and T. B. Merry, Adelaide, South Australia, Australia. Release safety-hook. No. 1,110,185; Sept. 8; Gaz. vol. 206; p. 513.
- Brown, Willis E., Lorraine, Kans. Folding chicken-crate. No. 1,115,388; Oct. 27; Gaz. vol. 207; p. 1177.
- Brown, Willis S. (See Brown, Richard R., assignor.)
- Browne, Alexander P., trustee. (See Boyden, George E., assignor.)
- Browne, Alexander P. (See Grover and Barber, assignors.)
- Browne Apparatus Company. (See Browne, Ralph C., assignor.)
- Browne, Arthur B., Branford, Conn. Carbureter. (Reissue.) No. 13,784; Aug. 4; Gaz. vol. 205; p. 265.
- Browne, Arthur B., Branford, Conn. Carbureter. No. 1,120,128; Dec. 8; Gaz. vol. 209; p. 459.
- Browne, Arthur W., Prince Bay, N. Y., and F. L. Wallace, Lansdowne, assignors to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Surgical inhaler. No. 1,109,318; Sept. 1; Gaz. vol. 206; p. 163.
- Browne, Carl D., Hot Springs township, Napa county, assignor to W. Kent, Kentfield, Cal., trustee. Tractor, propeller, or helicopter for airships. No. 1,105,750; Aug. 4; Gaz. vol. 205; p. 58.
- Browne, Edwin S., Riverton, N. J. Book. No. 1,085,536; Jan. 27; Gaz. vol. 198; p. 857.
- Browne, Hugh M., Cheyney, Pa. Tobacco-pipe stem. No. 1,102,865; July 7; Gaz. vol. 204; p. 225.
- Browne, John E., Allston, Mass. Valve mechanism for internal-combustion engines. No. 1,096,596; May 12; Gaz. vol. 202; p. 519.
- Browne, Ralph C., assignor, by mesne assignments, to Browne Apparatus Company, Salem, Mass. Detector for wireless telegraphy. No. 1,102,184; June 30; Gaz. vol. 203; p. 1501.
- Browne, Richard H. (See McLean, Frank E., assignor.)
- Browne, Roy C., East St. Louis, Ill. Lamp mechanism for automobiles. No. 1,093,383; Apr. 14; Gaz. vol. 201; p. 468.
- Browne, Travers S., New York, N. Y. Attachment for use with incandescent gas-lamps. No. 1,105,246; July 28; Gaz. vol. 204; p. 1186.
- Browne, W. J. (See Guild, George R., assignor.)
- Browning, Charles P., Salt Point, N. Y. Sprocket and chain therefor. No. 1,101,398; June 23; Gaz. vol. 203; p. 1174.
- Browning, Charles R., Madrid, Nebr. Non-refillable bottle. No. 1,113,953; Oct. 20; Gaz. vol. 207; p. 620.
- Browning, Edna F., New York, N. Y. Educational and amusement device. No. 1,120,681; Dec. 15; Gaz. vol. 209; p. 703.
- Browning, Frank M. (See Jella and Browning.)
- Browning, George, assignor to Perfection Razor Strop Company, Chicago, Ill. Razor-sharpening machine. No. 1,100,051; June 16; Gaz. vol. 203; p. 657.
- Browning, Irving K., Lamar, Colo. Milking-machine. No. 1,116,379; Nov. 10; Gaz. vol. 208; p. 352.
- Browning, John M., Ogden, Utah. Firearm. No. 1,083,384; Jan. 6; Gaz. vol. 198; p. 42.
- Browning, John M., Ogden, Utah. Cartridge-tube. No. 1,095,801; May 5; Gaz. vol. 202; p. 215.
- Browning, Justus A., assignor of one-fourth to A. Scherrer, Ogden, Utah. Beet-harvester. No. 1,095,802; May 5; Gaz. vol. 202; p. 215.
- Browning, Ray J., Williamsport, Pa. Brush device for receptacles. No. 1,092,428; Apr. 7; Gaz. vol. 201; p. 106.
- Browning, Thomas J., Waynesboro, Miss. Gate-latch. No. 1,090,969; Mar. 24; Gaz. vol. 200; p. 909.
- Browning, Tillie J., Philadelphia, Pa. Collar-supporter. No. 1,111,359; Sept. 22; Gaz. vol. 206; p. 1006.
- Browning, William H., Baker City, Oreg. Fruit-pressing apparatus. No. 1,088,123; Feb. 24; Gaz. vol. 199; p. 1027.
- Brownjohn, Benjamin J., Petersham, Sydney, New South Wales, Australia. Sash-window. No. 1,097,524; May 19; Gaz. vol. 202; p. 884.
- Brownjohn, Benjamin J., and T. J. Denny, Petersham, near Sydney, New South Wales, Australia. Sliding and swinging sash window. No. 1,092,473; Apr. 7; Gaz. vol. 201; p. 122.
- Brownlee, Dalmar T. (See Spacke, Brownlee, and Spacke.)
- Brownlee, Joseph P., assignor to The Studebaker Corporation, South Bend, Ind. Running-gear for buggies. No. 1,121,972; Dec. 22; Gaz. vol. 209; p. 1190.
- Brownlee, Joseph P., assignor to The Studebaker Corporation, South Bend, Ind. Wagon-body. No. 1,121,973; Dec. 22; Gaz. vol. 209; p. 1191.
- Brownlee, Roy H., and R. H. Uhlinger, assignors, by mesne assignments, to American Nitro-Products Company, Pittsburgh, Pa. Making carbon monoxid, hydrogen, and nitrogen. No. 1,107,581; Aug. 18; Gaz. vol. 205; p. 791.
- Brownlee, Roy H., and R. H. Uhlinger, assignors, by mesne assignments, to American Nitro-Products Company, Pittsburgh, Pa. Making carbon monoxid and hydrogen. No. 1,107,582; Aug. 18; Gaz. vol. 205; p. 792.
- Brownson, Earl L., Rochester, N. Y. Label, strip, or sheet applying mechanism. No. 1,118,734; Nov. 24; Gaz. vol. 208; p. 1260.
- Brownson, Earl L., Haverhill, assignor to National Binding Machine Company, Boston, Mass. Strip-serving apparatus. No. 1,120,788; Dec. 15; Gaz. vol. 209; p. 740.
- Brox, George M., and H. S. Knight, Milford, Nebr. Spike. No. 1,106,622; Aug. 11; Gaz. vol. 205; p. 407.
- Brozokat, Anna P. H., London, England. Boot or shoe tree or last. No. 1,093,936; June 2; Gaz. vol. 203; p. 197.
- Brubaker, Levi K., Lititz, Pa. Toy volcano apparatus. No. 1,100,529; June 16; Gaz. vol. 203; p. 822.
- Bruce, Alfred W., New York, N. Y., assignor, by mesne assignments, to Locomotive Superheater Company, Wilmington, Del. Superheater. No. 1,085,107; Jan. 27; Gaz. vol. 198; p. 711.
- Bruce, Frank K., Drifton, Ala. Car-replacer. No. 1,112,519; Oct. 6; Gaz. vol. 207; p. 38.
- Bruce, Harry E. (See Emory, Eugene L., assignor.)
- Bruce, James H. (See Brown and Michael, assignors.)
- Bruce, James W., Ozark, Ohio. Mowing-machine. No. 1,105,751; Aug. 4; Gaz. vol. 205; p. 58.
- Bruce, James W., Ozark, Ohio. Agricultural implement. No. 1,106,541; Aug. 11; Gaz. vol. 205; p. 377.
- Bruce, James W., Ozark, Ohio. Traction-vehicle. No. 1,118,528; Nov. 24; Gaz. vol. 208; p. 1189.
- Bruce, John, Pittsburgh, Pa. Means for cleaning sewers. No. 1,087,721; Feb. 17; Gaz. vol. 199; p. 844.

Alphabetical list of patentees—Continued.

- Bruce, Robert, Wellington, Kans. Hasp-fastener. No. 1,122,469; Dec. 29; Gaz. vol. 209; p. 1398.
- Brucker, Ferdinand F., assignor to The Miller Rubber Company, Akron, Ohio. Toy balloon. No. 1,111,642; Sept. 22; Gaz. vol. 206; p. 1104.
- Brucker, Ferdinand F., Akron, Ohio, assignor to The Miller Rubber Company. Apparatus for feeding fabric to winding mechanism. No. 1,121,793; Dec. 22; Gaz. vol. 209; p. 1126.
- Brucker, Francis, assignor to The Standard Manufacturing Company, Shelby, Ohio. Door-check. No. 1,085,192; Jan. 27; Gaz. vol. 198; p. 741.
- Bruckman, Frederick A., Portland, Oreg. Oven for ice-cream-cone-molding devices. No. 1,091,729; Mar. 31; Gaz. vol. 200; p. 1211.
- Bruckman, Frederick A., Portland, Oreg. Cone nesting and stacking mechanism. No. 1,091,730; Mar. 31; Gaz. vol. 200; p. 1211.
- Bruckman, Frederick A., Portland, Oreg. Ice-cream-cone-trimming mechanism. No. 1,119,239; Dec. 1; Gaz. vol. 209; p. 117.
- Bruckmann, Hugo, Benrath, Germany. Calculating mechanism. No. 1,094,363; Apr. 21; Gaz. vol. 201; p. 831.
- Brueck, Theodor. (See Klein and Brueck.)
- Bruggeman, Henry J., Sioux City, Iowa. Folding paste-board tray. No. 1,089,316; Mar. 3; Gaz. vol. 200; p. 218.
- Bruggemann, Gerhardt D., West Hoboken, N. J. Vending-machine. No. 1,095,803; May 5; Gaz. vol. 202; p. 215.
- Brüggemann, Paul, Kotzenau, Germany. Wood basket. No. 1,118,470; Nov. 24; Gaz. vol. 208; p. 1169.
- Brugger, Frederick R., Lake City, Iowa. Street-sweeper. No. 1,097,911; May 26; Gaz. vol. 202; p. 1068.
- Brühl, Paul, and O. Sehmisch, Dusseldorf, Germany. Double-acting antifrictional thrust-bearing. No. 1,087,482; Feb. 17; Gaz. vol. 199; p. 759.
- Bruhn, Jacob C., *et al.* (See Christoffersen, Hans, assignor.)
- Bruk, John, Boston, Mass. Marking-gage. No. 1,103,172; July 14; Gaz. vol. 204; p. 379.
- Bruman, Otto F., Berlin, Germany, assignor to R. S. Hotz, Chicago, Ill. Shaft-bearing. No. 1,083,984; Jan. 13; Gaz. vol. 198; p. 269.
- Brumbach, Austin H., *et al.* (See Glassco, Robert C., assignor.)
- Brumbaugh, Earl F., Colwich, Kans. Switch-signal. No. 1,110,880; Sept. 15; Gaz. vol. 206; p. 799.
- Brumbaugh, Jacob A., administrator. (See Dumbauld, Frederick H.)
- Brumby, Clarence P., East Point, Ga. Automatic sacking and weighing machine. No. 1,105,752; Aug. 4; Gaz. vol. 205; p. 58.
- Brumfield, Cadwell L., Sunny Hill, La. Plow-fender. No. 1,106,278; Aug. 4; Gaz. vol. 205; p. 239.
- Brumley, William H., assignor to Airo Manufacturing Co., Portland, Oreg. Hydrocarbon-oil-gas burner. No. 1,097,525; May 19; Gaz. vol. 202; p. 884.
- Brun, Jean M. A., Salles, and G. M. Dauris, Mios, France. Pot for collecting resin. No. 1,084,840; Jan. 20; Gaz. vol. 198; p. 586.
- Brundage, Seth W., assignor to C. W. Parker, Leavenworth, Kans. Carousel. No. 1,087,722; Feb. 17; Gaz. vol. 199; p. 844.
- Brundage, Seth W., assignor to C. W. Parker, Leavenworth, Kans. Knockdown carousel. No. 1,102,866; July 7; Gaz. vol. 204; p. 225.
- Brune, Heinrich, and H. Horst, assignors to E. Abresch, Neustadt-on-the-Hardt, Germany. Drying coal-slimes. No. 1,100,710; June 23; Gaz. vol. 203; p. 937.
- Brunelle, Hormisdas E., St. Paul, Minn. Workman's scaffold. No. 1,110,881; Sept. 15; Gaz. vol. 206; p. 799.
- Bruner, Reuben G., Olinda, Ontario, Canada. Weeder. No. 1,120,371; Dec. 8; Gaz. vol. 209; p. 545.
- Brunet, Martin, North Chicago, and J. Macek, Waukegan, Ill. Intermittent-grip device. No. 1,092,134; Apr. 7; Gaz. vol. 201; p. 4.
- Brunicardi, Oreste, Reading, Pa. Aeroplane. No. 1,085,968; Feb. 3; Gaz. vol. 199; p. 139.
- Brunig, Frederick H., Kansas City, Mo. Pneumatic-tire-trouble indicator. No. 1,096,526; May 12; Gaz. vol. 202; p. 497.
- Brüninghaus, Alfred, Duisburg-Ruhrort, Germany. Regenerator. No. 1,092,332; Apr. 7; Gaz. vol. 201; p. 73.
- Brunnemer, William T. M., assignor of one-half to M. Rumely Company, Laporte, Ind. Traction-wheel. No. 1,104,957; July 28; Gaz. vol. 204; p. 1086.
- Brunner, Alfred, Leipzig-Eutritzsch, and W. Schöndeling, assignors to Adolf Bleichert & Company, Leipzig-Göhlis, Germany. Apparatus for quenching and conveying glowing materials. No. 1,085,845; Feb. 3; Gaz. vol. 199; p. 95.
- Brunner, Arnold, Munich, Germany. Cleaning device. No. 1,085,662; Feb. 3; Gaz. vol. 199; p. 29.
- Brunner, George P. (See Brixius, Frank E., assignor.)
- Brunner, Otto, Salmannsleben, Austria-Hungary. Screw-propeller for aeroplanes, airships, vessels, and the like. No. 1,105,753; Aug. 4; Gaz. vol. 205; p. 59.
- Brunnert, Anton, Old Monroe, assignor of one-half to P. Henningson, St. Louis, Mo. Box-cover fastener. No. 1,098,094; May 26; Gaz. vol. 202; p. 1131.
- Brunner, Henry J., San Francisco, Cal. Dock structure. No. 1,089,745; Mar. 10; Gaz. vol. 200; p. 415.
- Bruns, Richard E., Chicago, Ill. Machine for feeding bottles to and for operating bottle-capping machines. No. 1,116,558; Nov. 10; Gaz. vol. 208; p. 416.
- Brunschwig, Fernand, Brooklyn, N. Y. Manufacturing phosphoric acid. No. 1,083,429; Jan. 6; Gaz. vol. 198; p. 58.
- Brunswick-Balke-Collender Co. (See Beatty, Harry F., assignor.)
- Brunswick-Balke-Collender Co. (See Hjort, Axel F., assignor.)
- Brunswick-Balke-Collender Co. (See Hobbs, Frank C., assignor.)
- Brunswick-Balke-Collender Co. (See Weinrich, Frank, assignor.)
- Brunswick-Balke-Collender Co. (See Whelan, Michael J., assignor.)
- Brunswick, Robert B., Philadelphia, Pa. Button-book attachment for pencil-ferrules. No. 1,104,244; July 21; Gaz. vol. 204; p. 789.
- Brunt, Colin M., *et al.* (See Ridgway, Samuel R., assignor.)
- Brunton, David W., Denver, Colo. Sight for transits and similar instruments. No. 1,092,822; Apr. 14; Gaz. vol. 201; p. 275.
- Brunton, George, Leeds, England. Dental flask and means for closing and fastening the parts thereof. No. 1,115,779; Nov. 3; Gaz. vol. 208; p. 105.
- Brush, Alanson P., Detroit, Mich. Automobile-body. No. 1,091,187; Mar. 24; Gaz. vol. 200; p. 985.
- Brush, Alanson P., Flint, Mich. Automobile structure. No. 1,091,911; Mar. 31; Gaz. vol. 200; p. 1275.
- Brush, Alanson P., Flint, Mich. Automobile transmission mechanism. No. 1,095,186; May 5; Gaz. vol. 202; p. 4.
- Brush, Alanson P., Flint, Mich. Mixture-supplying apparatus for internal-combustion engines. No. 1,112,257; Sept. 29; Gaz. vol. 206; p. 1354.
- Brush, Alanson P., Flint, Mich. Oil-distributing mechanism. No. 1,112,975; Oct. 6; Gaz. vol. 207; p. 196.
- Brush, Alanson P., Detroit, Mich. Chassis-frame for motor-vehicles. No. 1,120,900; Dec. 15; Gaz. vol. 209; p. 780.
- Bruss, Carl, Milwaukee, Wis. Furnace-damper regulator. No. 1,105,959; Aug. 4; Gaz. vol. 205; p. 130.
- Brussel, Hugues, assignor to Reinforced-Concrete Company, St. Louis, Mo. Socket-insert for concrete constructions. No. 1,122,470; Dec. 29; Gaz. vol. 209; p. 1398.
- Brussolo, Angelo, assignor to L. F. Faure, San Francisco, Cal. Macaroni-cutter. No. 1,120,270; Dec. 8; Gaz. vol. 209; p. 509.
- Brust, Charles A., Memphis, Tenn. Cotton-separating machine. No. 1,093,106; Apr. 14; Gaz. vol. 201; p. 372.
- Bruton, George, assignor to F. L. Rockey, Joliet, Ill. Automatic burner for gas-stoves. No. 1,108,861; Aug. 25; Gaz. vol. 205; p. 1284.
- Bruton, George, assignor to F. L. Rockey, Joliet, Ill. Automatic burner for gas-stoves. No. 1,112,355; Sept. 29; Gaz. vol. 206; p. 1387.
- Bruton, William A., San Dimas, Cal. Pumping system. No. 1,096,597; May 12; Gaz. vol. 202; p. 520.
- Bruun, Jacob, assignor to The Kolo Carburetor Company, Toledo, Ohio. Carburetor. No. 1,095,622; May 5; Gaz. vol. 202; p. 153.
- Bryan, Barnabas, Washington, D. C. Sealing-wax-applying device. No. 1,109,034; Sept. 1; Gaz. vol. 206; p. 64.
- Bryan, Cecil E., Chicago, Ill. Mausoleum. No. 1,083,660; Jan. 6; Gaz. vol. 198; p. 133.
- Bryan, Cecil E., Chicago, Ill. Mausoleum. No. 1,090,812; Mar. 17; Gaz. vol. 200; p. 822.
- Bryan, Chester A., Hall City, Fla. Propeller. No. 1,090,271; Mar. 17; Gaz. vol. 200; p. 638.
- Bryan, Daniel B., deceased, Flushing, N. Y.; M. B. Bryan, administratrix. Oscillating door. No. 1,102,568; July 7; Gaz. vol. 204; p. 122.
- Bryan, Daniel R., Chatham, N. J., and J. W. Bryan, New York, N. Y. Apparatus for sorting heterogeneous material. No. 1,099,420; June 9; Gaz. vol. 203; p. 405.
- Bryan, Don C., San Diego, Cal. Vehicle trailing device. No. 1,087,210; Feb. 17; Gaz. vol. 199; p. 663.
- Bryan, Frank D., Middletown, Pa. Refillable fuse. No. 1,092,333; Apr. 7; Gaz. vol. 201; p. 73.
- Bryan, Gordon. (See Martin and Bryan.)
- Bryan, Hugh B., assignor of one-half to L. D. Hobbs, Johnston City, Ill. Spring-tire. No. 1,109,198; Sept. 1; Gaz. vol. 206; p. 122.
- Bryan, Joseph W. (See Bryan, Daniel R. and J. W.)
- Bryan, Mary B., administratrix. (See Bryan, Daniel B.)
- Bryan, Robert H., Linn, Mo. Heater and ventilator. No. 1,100,118; June 16; Gaz. vol. 203; p. 680.
- Bryan, William D. (See Dunlap and Bryan.)
- Bryan, William G., and P. B. Sheather, Sydney, New South Wales, Australia. Mechanically-operated brake. No. 1,121,794; Dec. 22; Gaz. vol. 209; p. 1126.
- Bryant, Clarence R., Fort Worth, Tex. Packing-ring. No. 1,092,690; Apr. 7; Gaz. vol. 201; p. 104.

Alphabetical list of patentees—Continued.

- Bryant, Clarence R., assignor of one-fourth to F. Chesnut and one-fourth to C. M. Templeton, Fort Worth, Tex. Automobile-clutch. No. 1,092,015; Mar. 31; Gaz. vol. 200; p. 1308.
- Bryant, Clyde J., assignor of one-half to J. P. Wallis, Chicago, Ill. Mail-opening machine. No. 1,109,958; Sept. 8; Gaz. vol. 206; p. 131.
- Bryant, Earnest H., assignor to The E. H. Bryant Company, Cleveland, Ohio. Lever-lock for automobiles. No. 1,101,117; June 23; Gaz. vol. 203; p. 1079.
- Bryant Electric Company, The. (See Abbott, Robert, assignor.)
- Bryant Electric Company, The. (See Bates, Clarence A., assignor.)
- Bryant Electric Company, The. (See Gagnon, William J., assignor.)
- Bryant Electric Company, The. (See Goodridge, Gilbert W., assignor.)
- Bryant Electric Company, The. (See Goodridge and Gagnon, assignors.)
- Bryant Electric Company, The. (See Peet, Wilbur G., assignor.)
- Bryant Electric Company. (See Seeley, Frank E., assignor.)
- Bryant Electric Company, The. (See Temple, Frederic L., assignor.)
- Bryant Electric Company, The. (See Thomas, George B., assignor.)
- Bryant, Emmons, *et al.* (See Yardusky, Charles, assignor.)
- Bryant, Emory A. (See Neilsen, Thorvald E., assignor.)
- Bryant, George H., Windsor, N. C. Washstand. No. 1,105,960; Aug. 4; Gaz. vol. 205; p. 130.
- Bryant, George H., Windsor, N. C. Sash-holder. No. 1,123,088; Dec. 29; Gaz. vol. 209; p. 1616.
- Bryant, George W., New York, N. Y. Tire-tool. No. 1,093,825; Apr. 21; Gaz. vol. 201; p. 655.
- Bryant, James G., Port Huron, Mich. Grinding-plate for mills. No. 1,114,339; Oct. 20; Gaz. vol. 207; p. 757.
- Bryant, John E. (See Watt and Bryant.)
- Bryant, Richard S., assignor to The Standard Welding Company, Cleveland, Ohio. Demountable vehicle wheel-rim. No. 1,117,163; Nov. 17; Gaz. vol. 208; p. 668.
- Bryant, Robert C., Clatskanie, Oreg. Single-delivery holder for toothpicks, &c. No. 1,085,574; Jan. 27; Gaz. vol. 198; p. 869.
- Bryant, Robert C., Clatskanie, Oreg. Friction-clutch for drums of donkey-engines. No. 1,096,598; May 12; Gaz. vol. 202; p. 520.
- Bryant, Stanley C., Chicago, Ill., assignor to Bryant Zinc Company. Electric bell. No. 1,121,067; Dec. 15; Gaz. vol. 209; p. 839.
- Bryant, William, and J. J. McCann, Winnipeg, Manitoba, Canada. Tire-casing. No. 1,114,443; Oct. 20; Gaz. vol. 207; p. 795.
- Bryant Zinc Company. (See Bryant, Stanley C., assignor.)
- Bryce, James W. (See Goss and Bryce.)
- Bryce, James W., Brooklyn, N. Y., assignor, by mesne assignments, to The International Time Recording Company of New York. Recorder. No. 1,116,872; Nov. 10; Gaz. vol. 208; p. 529.
- Bryce, William, Bristol, Conn., assignor to E. R. Johnson and C. L. Braucher, Cincinnati, Ohio. Time-indicating device. No. 1,083,917; Jan. 13; Gaz. vol. 198; p. 245.
- Bryce, William C., Montreal, Quebec, Canada. Automatic valve for dry-pipe fire-sprinkler systems. No. 1,091,803; Mar. 31; Gaz. vol. 200; p. 1237.
- Bryce, William C., Montreal, Quebec, Canada. Automatic valve for fire-sprinkler systems. No. 1,115,896; Nov. 3; Gaz. vol. 208; p. 146.
- Bryda, Henry, Blackstone, Mass. Producing copper alloys. No. 1,095,078; Apr. 28; Gaz. vol. 201; p. 1143.
- Bryda, Henry, Blackstone, Mass. Hardening copper alloys containing a small amount of tin. No. 1,095,804; May 5; Gaz. vol. 202; p. 216.
- Bryers, William N., Helmer, Mich. Floating jacket. No. 1,090,596; Mar. 17; Gaz. vol. 200; p. 752.
- Brymer, Andrew, Kittanning, Pa. Show-case. No. 1,093,169; Apr. 14; Gaz. vol. 201; p. 395.
- Bryner, Adolf, Brooklyn, assignor to Conley Foil Company, New York, N. Y. Sealing foil envelopes. No. 1,121,709; Dec. 22; Gaz. vol. 209; p. 1098.
- Bryson, David K., Pittsburgh, Pa., assignor to The United States Wave Power Company, Cleveland, Ohio. Wave-motor. No. 1,111,003; Sept. 22; Gaz. vol. 206; p. 883.
- Bryson, Evie W., New York, N. Y. Tree device for traveling-bags. No. 1,085,846; Feb. 3; Gaz. vol. 199; p. 95.
- Bryson, Kenneth D., New York, N. Y. Collapsible tube. No. 1,092,691; Apr. 7; Gaz. vol. 201; p. 195.
- Bubb, Elmer F., Chicago, Ill. Marine propulsion apparatus. No. 1,092,520; Apr. 7; Gaz. vol. 201; p. 137.
- Bubb, William F., Mountain View, Cal. Triple offset for plows. No. 1,102,643; July 7; Gaz. vol. 204; p. 149.
- Bubenheim, Henry J., Pittsburgh, Pa. Gas-burner. No. 1,119,569; Dec. 1; Gaz. vol. 209; p. 231.
- Bucey, Harold O. (See Bucey, Marion J. and H. O.)
- Bucey, Marion J. and H. O., Redondo, Wash. Clothes-drier. No. 1,112,765; Oct. 6; Gaz. vol. 207; p. 125.
- Buch, Max, Birmingham, England. Vehicle-hood. No. 1,100,653; June 16; Gaz. vol. 203; p. 862.
- Buch, Max A., Sparkbrook, Birmingham, England. Vehicle-body. No. 1,089,817; Mar. 10; Gaz. vol. 200; p. 439.
- Buch, Newton W., New Castle, assignor to Safety Armorite Conduit Company, Pittsburgh, Pa. Electric conduit. No. 1,088,963; Mar. 3; Gaz. vol. 200; p. 100.
- Buchan, John J. (See Foley and Buchan.)
- Buchanan, George H. (See Sproggell, Orrin A., assignor.)
- Buchanan, John. (See Morden and Buchanan.)
- Buchanan, John A., Pittsburgh, Pa. Draft appliance. (Reissue.) No. 13,733; May 26; Gaz. vol. 202; p. 1225.
- Buchanan, John J., Waterbury, assignor to The Narrow Fabric Corporation, Orange, Conn. Reel for strip material. No. 1,110,743; Sept. 15; Gaz. vol. 206; p. 750.
- Buchanan, Laughlin M., Kewanee, Ill. Motor-vehicle. No. 1,090,132; Mar. 17; Gaz. vol. 200; p. 588.
- Buchanan, Laughlin M., Kewanee, Ill. Corn-planter. No. 1,099,337; June 9; Gaz. vol. 203; p. 376.
- Buchanan, Leonard B., Woburn, Mass. Method and apparatus for making paper. No. 1,101,725; June 30; Gaz. vol. 203; p. 1337.
- Buchanan, Sylvester C., Guanajuato, Mexico. Cone-classifier. No. 1,115,897; Nov. 3; Gaz. vol. 208; p. 146.
- Buche, William A., Industry, Kans. Bridle-brow-band loop. No. 1,086,891; Feb. 10; Gaz. vol. 199; p. 504.
- Bucher, Amos B., and H. S. Keck, Paulding, Ohio. Harrow and pulverizer. No. 1,116,236; Nov. 3; Gaz. vol. 208; p. 263.
- Bucher, John E., Coventry, R. I. Producing formates and the like. No. 1,083,589; Jan. 6; Gaz. vol. 198; p. 109.
- Bucher, John E., Coventry, R. I., assignor to Nitrogen Products Company. Economic metallurgical and chemical process. No. 1,086,019; Feb. 3; Gaz. vol. 199; p. 158.
- Bucher, John E., Coventry, R. I., assignor to Nitrogen Products Company. Metallurgical and chemical process. No. 1,087,900; Feb. 17; Gaz. vol. 199; p. 902.
- Bucher, John E., Coventry, R. I., assignor to Nitrogen Products Company. Fixing nitrogen. No. 1,091,425; Mar. 24; Gaz. vol. 200; p. 1061.
- Bucher, John E., Coventry, R. I., assignor to Nitrogen Products Company. Preparing cyanogen compounds. No. 1,094,976; Apr. 28; Gaz. vol. 201; p. 1110.
- Bucher, John E., Coventry, assignor to Nitrogen Products Company, Providence, R. I. Obtaining argon and rare atmospheric gases. No. 1,106,921; Aug. 11; Gaz. vol. 205; p. 511.
- Bucher, John E., Coventry, R. I., assignor to Nitrogen Products Company. Fixing nitrogen. No. 1,113,598; Oct. 13; Gaz. vol. 207; p. 457.
- Bucher, John E., Coventry, R. I., assignor to Nitrogen Products Company. Fixing nitrogen. No. 1,113,599; Oct. 13; Gaz. vol. 207; p. 457.
- Bucher, John E., Coventry, assignor to Nitrogen Products Company, Providence, R. I. Preparing cyanogen compounds. No. 1,116,559; Nov. 10; Gaz. vol. 208; p. 417.
- Bucher, John E., Coventry, assignor to Nitrogen Products Company, Providence, R. I. Fixing nitrogen. No. 1,120,682; Dec. 15; Gaz. vol. 209; p. 704.
- Bucher, Martin C., Reader, W. Va. Anvil attachment. No. 1,113,750; Oct. 13; Gaz. vol. 207; p. 511.
- Bucherer, Max, Cologne, Germany. Spray-carbureter. No. 1,097,165; May 19; Gaz. vol. 202; p. 761.
- Buchholtz, Ernest, Harrow, assignor to The Oil-Flame Furnace Company, Limited, High Holborn, England. Furnace for roasting, smelting, or otherwise treating ores. No. 1,100,711; June 23; Gaz. vol. 203; p. 937.
- Buchholtz, Ernest, Wealdstone, Harrow, assignor to The Oil-Flame Furnace Company, Limited, High Holborn, England. Liquid-fuel burner and furnace. No. 1,114,729; Oct. 27; Gaz. vol. 207; p. 946.
- Buchholz, Hermann. (See Harris and Buchholz.)
- Buchler, Isidor, assignor to S. Kanner, New York, N. Y. Razor-stropping machine. No. 1,096,998; May 19; Gaz. vol. 202; p. 701.
- Buchman, Lawrence E., assignor of one-half to V. B. Carmean, Philadelphia, Pa. Box for carrying and dispensing liquids. No. 1,088,964; Mar. 3; Gaz. vol. 200; p. 101.
- Buchmüller, Max, assignor to The Bradley, Smith Company, New Haven, Conn. Candy-making machine. No. 1,119,062; Dec. 1; Gaz. vol. 209; p. 58.
- Buchstein, Ferdinand, Minneapolis, Minn. Artificial leg. No. 1,107,893; Aug. 18; Gaz. vol. 205; p. 899.
- Buchwald, Alexander, assignor of one-half to I. Frank, New York, N. Y. Garment-hanger. No. 1,096,013; May 12; Gaz. vol. 202; p. 323.
- Buck, Charles E., Boston, Mass. Therapeutical vacuum apparatus. No. 1,107,888; Aug. 18; Gaz. vol. 205; p. 898.
- Buck, David V., assignor of one-half to J. S. Reitmeyer, New Columbia, Pa. Railway-tie. No. 1,097,079; May 19; Gaz. vol. 202; p. 731.
- Buck, Fred, assignor to The Lufkin Rule Company, Saginaw, Mich. Level-rule. No. 1,120,443; Dec. 8; Gaz. vol. 209; p. 572.
- Buck, Humphrey A., *et al.* (See Lynch, Edward M., assignor.)

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- Buck, Isaiah D., assignor to W. Smedley and G. Nowland, Philadelphia, Pa. Washing-machine. No. 1,098,937; June 2; Gaz. vol. 203; p. 198.
- Buck, Milton, assignor of one-half to W. Landrith, Modesto, Ill. Doubletree. No. 1,084,841; Jan. 20; Gaz. vol. 198; p. 586.
- Buck, Whitson C., *et al.* (See Lynch, Edward M., assignor.)
- Buck, William, Paxico, Kans. Gopher-trap. No. 1,105,586; July 28; Gaz. vol. 204; p. 1306.
- Buck, William F., Chicago, Ill. Water-level-demonstrating device. No. 1,087,350; Feb. 17; Gaz. vol. 199; p. 711.
- Buck, William L., Cuba, Ill. Spark-arrester. No. 1,091,283; Mar. 24; Gaz. vol. 200; p. 1017.
- Buck, William R., New Milford, Conn. Distributer. No. 1,104,342; July 21; Gaz. vol. 204; p. 823.
- Buck, Wilmer G., Warren, Ohio. Plow. No. 1,095,308; May 5; Gaz. vol. 202; p. 46.
- Buck, Wilmer G., Warren, Ohio. Traction-plow. No. 1,113,751; Oct. 13; Gaz. vol. 207; p. 511.
- Buckbee, William A., Slingerlands, N. Y., assignor, by mesne assignments, to Locomotive Superheater Company, Wilmington, Del. Automatic drifting-valve for steam-chests. No. 1,116,380; Nov. 10; Gaz. vol. 208; p. 352.
- Bucker, Merle, assignor to F. W. Parker, Jr., Chicago, Ill. Carbureter. No. 1,118,917; Dec. 1; Gaz. vol. 209; p. 4.
- Buckeye Incubator Company, The. (See Cugley, George, assignor.)
- Buckeye Iron and Brass Works. (See Fulson, Charles H., assignor.)
- Buckeye Iron and Brass Works. (See Sauer and Trace, assignors.)
- Buckeye Iron and Brass Works. (See Trace, Russell A., assignor.)
- Buckeye Steel Castings Company, The. (See Bush, Samuel P., assignor.)
- Buckeye Steel Castings Company, The. (See Johnson, George T., assignor.)
- Buckeye Steel Castings Company. (See Johnson and Stertzbach, assignors.)
- Buckeye Suspension Company, The. (See Gresser, Peter, assignor.)
- Buckeye Traction Ditcher Company, The. (See Heck, Anderson C., assignor.)
- Buckham, George T. (See Dawson and Buckham.)
- Buckhart, James W., San Jose, Cal. Cutter-head. No. 1,122,471; Dec. 29; Gaz. vol. 209; p. 1398.
- Buckingham, Charles S. (See Shoemaker, Samuel M., assignor.)
- Buckingham, Charles S., assignor to himself and S. M. Shoemaker. Eccleston, Md. Stanchion. No. 1,119,570; Dec. 1; Gaz. vol. 209; p. 232.
- Buckingham, Edward J., Brixton Oval, London, England. Apparatus for preventing side slip of motor road-vehicles. No. 1,107,256; Aug. 18; Gaz. vol. 205; p. 675.
- Buckius, Albert O., Jr., Chicago, Ill., assignor to The National Malleable Castings Company. Journal-box-securing mechanism. No. 1,093,170; Apr. 14; Gaz. vol. 201; p. 395.
- Buckius, Albert O., Jr., Chicago, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Journal-box. No. 1,099,964; June 16; Gaz. vol. 203; p. 627.
- Buckius, Albert O., Jr., Chicago, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Journal-box-securing mechanism. No. 1,109,959; Sept. 8; Gaz. vol. 206; p. 431.
- Buckius, Albert O., Jr., assignor to Chicago Manufacturing and Distributing Company, Chicago, Ill. Automatic wrench. No. 1,117,320; Nov. 17; Gaz. vol. 208; p. 726.
- Buckland, Albert E. (See Mastrangelo, Anthony, assignor.)
- Buckland, Charles, Great Yarmouth, England. Feed-check valve for boilers. No. 1,120,901; Dec. 15; Gaz. vol. 209; p. 781.
- Buckland, Charles F., Denver, Colo. Convertible motor and pump. No. 1,086,803; Feb. 10; Gaz. vol. 199; p. 474.
- Buckland, Charles O., assignor of one-half to A. T. Mitchell, Lampasas, Tex. Carpenter's square. No. 1,100,530; June 16; Gaz. vol. 203; p. 822.
- Buckland, George G., San Francisco, Cal. Bicycle side car. No. 1,094,777; Apr. 28; Gaz. vol. 201; p. 1040.
- Buckland, George G., San Francisco, Cal. Bicycle-frame. No. 1,114,855; Oct. 27; Gaz. vol. 207; p. 991.
- Buckle, Edmund A., Prestwich, assignor to The International Nitrogen and Power Company, Limited, London, England. Treatment of peat and the like. No. 1,083,317; Jan. 6; Gaz. vol. 198; p. 20.
- Buckley, Crossley A. M., London, England. Apparatus for preparing bleaching and like fluids. No. 1,085,718; Feb. 3; Gaz. vol. 199; p. 49.
- Buckley, Edward H., Caledonia, Minn. Clutch. No. 1,116,985; Nov. 10; Gaz. vol. 208; p. 568.
- Buckley, Harry, Louisville, Ky. Refining flour. No. 1,091,284; Mar. 24; Gaz. vol. 200; p. 1017.
- Buckley, James W., Weatherford, Tex. Harrow. No. 1,121,468; Dec. 15; Gaz. vol. 209; p. 977.
- Buckley, John, Chicago, Ill. Repair-link for chains. No. 1,083,661; Jan. 6; Gaz. vol. 198; p. 133.
- Buckley, John, Boston, assignor to A. Sommer, East Cambridge, Mass. Advertising device. No. 1,099,914; June 16; Gaz. vol. 203; p. 609.
- Buckley, John I., and J. W. Coin, Weatherford, Tex. Wire clothes-pin. No. 1,104,871; July 28; Gaz. vol. 204; p. 1056.
- Buckley, John J. (See Maloney, Michael H., assignor.)
- Buckley, John J., Boston, Mass. Fly-paper holder. No. 1,103,259; July 14; Gaz. vol. 204; p. 409.
- Buckley, Matthew J., Milwaukee, Wis. Moistening apparatus. No. 1,087,919; Feb. 24; Gaz. vol. 199; p. 954.
- Bucklin, Harrison, Rochester, N. Y., assignor, by mesne assignments, to S. D. Young, trustee, Grand Rapids, Mich. Display apparatus. No. 1,115,497; Nov. 3; Gaz. vol. 208; p. 10.
- Bucklin, Harrison, Rochester, N. Y., assignor, by mesne assignments, to S. D. Young, trustee, Grand Rapids, Mich. Goods-display device. No. 1,115,498; Nov. 3; Gaz. vol. 208; p. 11.
- Buckman, Henry H., Jr., Indianapolis, Ind. Electric furnace for metallurgical purposes. No. 1,092,764; Apr. 7; Gaz. vol. 201; p. 220.
- Buckminster, Ira C., Beverly, Mass., assignor to The S. O. & C. Co., Ansonia, Conn. Machine for setting gromets and similar articles. No. 1,093,604; Apr. 21; Gaz. vol. 201; p. 579.
- Bucknam, Worthy C., Jersey City, N. J., assignor to Davis-Bournonville Company. Gas welding and cutting. No. 1,084,692; Jan. 20; Gaz. vol. 198; p. 536.
- Bucknam, Worthy C., Jersey City, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Welding. No. 1,091,479; Mar. 31; Gaz. vol. 200; p. 1124.
- Bucknam, Worthy C., Jersey City, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Blowpipe apparatus. No. 1,096,095; May 12; Gaz. vol. 202; p. 349.
- Bucknam, Worthy C., Jersey City, N. J., assignor to Davis-Bournonville Acetylene Development Company, Pierre, S. D. Cutting-torch. No. 1,097,526; May 19; Gaz. vol. 202; p. 885.
- Bucknam, Worthy C., Jersey City, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Pantograph. No. 1,104,289; July 21; Gaz. vol. 204; p. 805.
- Bucknam, Worthy C., Jersey City, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Blowpipe apparatus. No. 1,118,183; Nov. 24; Gaz. vol. 208; p. 1066.
- Bucknam, Worthy C., Jersey City, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Barrel-welding machine. No. 1,118,327; Nov. 24; Gaz. vol. 208; p. 1116.
- Buckner, Charles C., Texarkana, Tex. Envelop-lock. No. 1,117,969; Nov. 24; Gaz. vol. 208; p. 992.
- Buckwalter, Tracy V., Altoona, Pa. Differential-power-transmitting mechanism. No. 1,086,644; Feb. 10; Gaz. vol. 199; p. 417.
- Buckwalter, Tracy V., Altoona, Pa. Tractor. No. 1,090,447; Mar. 17; Gaz. vol. 200; p. 701.
- Bucyrus Company. (See Bager, Svante R. W. M., assignor.)
- Bucyrus Company. (See Ferris and Wehner, assignors.)
- Buda Company. (See Jenkins, Merrill L., assignor.)
- Buda Company. (See Kendig, Julian H., assignor.)
- Buda Company. (See Penrose, Edward R., assignor.)
- Budai, Charles, Chicago, Ill. Sponge-retaining and water-supplying device. No. 1,114,678; Oct. 20; Gaz. vol. 207; p. 875.
- Budai, Charles, and J. Szénási, Chicago, Ill. Spring-heel for boots and shoes. No. 1,110,375; Sept. 15; Gaz. vol. 206; p. 619.
- Budapesti Villamos Városi Vasut Reszvénytársaság Electrical Municipal Railway Company Ltd. in Budapest. (See Tobias, Karl, assignor.)
- Budd, Edward G., assignor, by mesne assignments, to Hale and Kilburn Company, Philadelphia, Pa. Metallic door. No. 1,084,067; Jan. 13; Gaz. vol. 198; p. 298.
- Budd, Edward G., assignor, by mesne assignments, to Hale and Kilburn Company, Philadelphia, Pa. Car-seat. No. 1,096,678; May 12; Gaz. vol. 202; p. 547.
- Budd, Harry, Independence, Kans. Washing-machine. No. 1,098,555; June 2; Gaz. vol. 203; p. 70.
- Budd, Harry, Independence, Kans. Cover-fastener. No. 1,104,872; July 28; Gaz. vol. 204; p. 1056.
- Budd, Harry, Independence, Kans. Washing-machine. No. 1,112,766; Oct. 6; Gaz. vol. 207; p. 126.
- Budd, William E., Elizabeth, N. J. Wheel-tire. No. 1,088,768; Mar. 3; Gaz. vol. 200; p. 32.
- Buddeke, J. Henry. (See Fay, Alpheus, assignor.)
- Buddeus, Wilhelm, Charlottenburg, Germany. Treatment of zinc-lyes. No. 1,120,683; Dec. 15; Gaz. vol. 209; p. 704.
- Buddeus, Wilhelm, Charlottenburg, Germany. Dry treatment of ores. No. 1,121,226; Dec. 15; Gaz. vol. 209; p. 894.
- Buddington, Frank E., Chicago, Ill. Liquid-evaporator for heaters. No. 1,090,835; Mar. 24; Gaz. vol. 200; p. 862.
- Buddle, George T., Chicago, Ill. Combination table-lock and opener. No. 1,103,029; July 14; Gaz. vol. 204; p. 328.

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- Budig, Otto A., Lille, France. Stabilizing apparatus for aeroplanes. No. 1,083,347; Jan. 6; Gaz. vol. 198; p. 29.
- Budlong, Frank, Sheffield, Mass. Paper-box opener. No. 1,121,469; Dec. 15; Gaz. vol. 209; p. 977.
- Budlong, Frank M., assignor of one-third to J. M. Curragh, San Jose, Cal. Closure for bottles, jars, &c. No. 1,103,737; July 14; Gaz. vol. 204; p. 575.
- Budlong, Wilbur F., San Jose, Cal., assignor to The Dunham Company, Berea, Ohio. Land-roller drum. No. 1,097,748; May 26; Gaz. vol. 202; p. 1008.
- Bue, Jacob K., Havre, Mont. Fly-trap. No. 1,087,869; Feb. 17; Gaz. vol. 199; p. 891.
- Buechner, Frank A. (See Legg and Buechner.)
- Buehner, Philip, Portland, Oreg. Nipple. No. 1,106,542; Aug. 11; Gaz. vol. 205; p. 378.
- Buel, Albert W. (See Ferguson and Buel.)
- Buell, William H., assignor to Winchester Repeating Arms Co., New Haven, Conn. Impact-illuminating bullet. No. 1,088,007; Feb. 24; Gaz. vol. 199; p. 988.
- Buell, William H., assignor to Winchester Repeating Arms Co., New Haven, Conn. Impact-illuminated target for pleasure-shooting. No. 1,091,116; Mar. 24; Gaz. vol. 200; p. 960.
- Buell, William H., assignor to Winchester Repeating Arms Co., New Haven, Conn. Impact-illuminated target for pleasure-shooting. No. 1,093,171; Apr. 14; Gaz. vol. 201; p. 395.
- Buell, William H., assignor to Winchester Repeating Arms Company, New Haven, Conn. Priming charge. No. 1,106,343; Aug. 4; Gaz. vol. 205; p. 260.
- Buellesbach, Caspar, New York, N. Y. Spring-tread for stairways. No. 1,105,877; Aug. 4; Gaz. vol. 205; p. 102.
- Buelna, Guadalupe, and A. Beverley; said Beverley assignor to H. E. J. Vacher, Santa Barbara, Cal. Sprinkler. No. 1,099,536; June 9; Gaz. vol. 203; p. 433.
- Buenzli, Adolph. (See Jones and Buenzli.)
- Buerger, Charles B., New York, N. Y., assignor of one-half to M. L. Bayard, Woodbine, N. J. Dosing device for controlling the flow of sewage to sprinkling-filters. No. 1,104,474; July 21; Gaz. vol. 204; p. 868.
- Buescher Band Instrument Company. (See Buescher, Ferdinand A., assignor.)
- Buescher, Ferdinand A., assignor to Buescher Band Instrument Company, Elkhart, Ind. Forming metal tubes and tubular articles. No. 1,120,271; Dec. 8; Gaz. vol. 209; p. 510.
- Buettner, Charles A., New York, N. Y. Slide. No. 1,083,985; Jan. 13; Gaz. vol. 198; p. 269.
- Buff, Eleanor A., Hawkinsville, Ga. Tatting-needle. No. 1,116,792; Nov. 10; Gaz. vol. 208; p. 501.
- Buff, Max. (See Flachslaender, Gräler, and Buff.)
- Buff, Max. (See Gräler, Buff, and Flachslaender.)
- Buffalo Air Brake Company. (See Webster, Willis C., assignor.)
- Buffalo Cement Stone Company. (See Davidson, Samuel, assignor.)
- Buffalo Electric Vehicle Company. (See Peck, Frederick G., assignor.)
- Buffalo Forge Company. (See Carrier, Willis H., assignor.)
- Buffalo Foundry and Machine Company. (See Sleeper, Oliver S., assignor.)
- Buffalo Leather Co. (See Smith, William R., assignor.)
- Buffalo Pitts Company. (See Todd, Marquis J., assignor.)
- Buffalo Specialty Company. (See Mansfield, Elmer G., assignor.)
- Buffinton, Frank H., Bristol, and H. R. Allen, Cranston, R. I. Device for notching box-covers. No. 1,100,351; June 16; Gaz. vol. 203; p. 761.
- Buffum, Herbert H., The Weirs, N. H., assignor of one-third to R. M. Pierson, Elizabeth, N. J. Tube of variable diameter. No. 1,108,128; Aug. 25; Gaz. vol. 205; p. 1029.
- Buford, William. (See Rogers, Solomon, assignor.)
- Bugatti, Ettore, Molsheim, Germany. Shock-absorber for vehicles. No. 1,099,586; June 9; Gaz. vol. 203; p. 461.
- Bugatti, Ettore, Molsheim, Germany. Change-speed gearing. No. 1,099,587; June 9; Gaz. vol. 203; p. 461.
- Bugatti, Ettore, Molsheim, Germany. Vehicle-wheel. No. 1,105,179; July 28; Gaz. vol. 204; p. 1161.
- Bugatti, Ettore, Molsheim, Germany. Spring for vehicle suspension. No. 1,107,027; Aug. 11; Gaz. vol. 205; p. 545.
- Bugatti, Ettore, Molsheim, Germany. Connecting-rod bearing. No. 1,117,970; Nov. 24; Gaz. vol. 208; p. 992.
- Bugatti, Ettore, Molsheim, Germany. Spring suspension for vehicles. No. 1,117,971; Nov. 24; Gaz. vol. 208; p. 992.
- Bugatti, Ettore, Molsheim, Germany. Combination brake and shock-absorber. No. 1,117,972; Nov. 24; Gaz. vol. 208; p. 993.
- Bugbee, Glenn W., Syracuse, N. Y., assignor to Milton Bradley Company, Springfield, Mass. Game apparatus. No. 1,098,879; June 2; Gaz. vol. 203; p. 177.
- Bugbee, Lucian W., Southbridge, Mass. Grinding-machine. No. 1,113,930; Oct. 13; Gaz. vol. 207; p. 572.
- Bugbee, Lucian W., assignor to American Optical Company, Southbridge, Mass. Lens-examining instrument. No. 1,098,880; June 2; Gaz. vol. 203; p. 177.
- Bugbee & Niles Co. (See King, Rufus, assignor.)
- Bugbee & Niles Co. (See Rhodes, Charles L., assignor.)
- Bugbee, Ralph W., St. Louis, Mo. Poison-indicator. No. 1,092,016; Mar. 31; Gaz. vol. 200; p. 1308.
- Bugg, Owen T., Hoboken, N. J., assignor to E-Z-Ryde Shock Absorber Co., New York, N. Y. Shock-absorber. No. 1,108,488; Aug. 25; Gaz. vol. 205; p. 1155.
- Bugler, Thomas L., Chicago, Ill. Block-forming machine. No. 1,092,090; Mar. 31; Gaz. vol. 200; p. 1334.
- Buhl, Cay, assignor of one-half to S. D. McCausland, Paterson, N. J. Apparatus for treating fabrics. No. 1,109,819; Sept. 8; Gaz. vol. 206; p. 380.
- Buhl Stamping Company. (See Murphy, Daniel P., assignor.)
- Buhoup, Harry C., Chicago, Ill. Brake mechanism. No. 1,093,683; Apr. 21; Gaz. vol. 201; p. 609.
- Bühren, Walther, assignor to W. Post, Iserlohn, Germany. Producing the ears in needles having bulges at both sides of a groove previously produced by stamping. No. 1,103,481; July 14; Gaz. vol. 204; p. 483.
- Buhse Machine Manufacturing Company. (See Buhse, Walter W., assignor.)
- Buhse, Walter W., assignor to Buhse Machine Manufacturing Company, Minneapolis, Minn. Candy-wrapping machine. No. 1,116,560; Nov. 10; Gaz. vol. 208; p. 417.
- Buhtz, Albert J., Seattle, Wash. Knockdown barrel. No. 1,116,793; Nov. 10; Gaz. vol. 208; p. 501.
- Buick Motor Company. (See De Waters, Enos A., assignor.)
- Buie, Daniel C., Wills Point, Tex. Paper-file. No. 1,109,035; Sept. 1; Gaz. vol. 206; p. 64.
- Builders Iron Foundry. (See Connet, Frederick N., assignor.)
- Building Improvement Co. (See Reier, Charles, assignor.)
- Buisson, David, Blue Island, Ill. Shaker-bar for fire-grates. No. 1,111,133; Sept. 22; Gaz. vol. 206; p. 928.
- Bujewski, Albert, Nashville, Ill. Gate-closer. No. 1,100,952; June 23; Gaz. vol. 203; p. 1022.
- Bujewski, Albert, Nashville, Ill. Gate-latch. No. 1,100,953; June 23; Gaz. vol. 203; p. 1022.
- Bujger, Ciril, St. Paul, Minn. Clothes-hanger. No. 1,107,488; Aug. 18; Gaz. vol. 205; p. 759.
- Bujger, Ciril, St. Paul, Minn. Burglar-alarm. No. 1,113,306; Oct. 13; Gaz. vol. 207; p. 355.
- Bukolt, John J., Stevens Point, Wis. Tire-armor. No. 1,118,264; Nov. 24; Gaz. vol. 208; p. 1093.
- Bukowski, Leonard, Pasadena, Cal. Adjustable holder for casement-windows. No. 1,108,549; Aug. 25; Gaz. vol. 205; p. 1177.
- Bulasky, Louis, New York, N. Y. Feed mechanism for sewing-machines. No. 1,085,401; Jan. 27; Gaz. vol. 198; p. 814.
- Bulasky, Louis, New York, N. Y. Sewing-machine. No. 1,093,971; Apr. 21; Gaz. vol. 201; p. 703.
- Bule, Edward R., New York, N. Y. Composition for removing carbonaceous deposits. No. 1,120,272; Dec. 8; Gaz. vol. 209; p. 510.
- Bulger, Matthew J., Brooklyn, N. Y. Cleaner device. No. 1,094,364; Apr. 21; Gaz. vol. 201; p. 831.
- Bulger, Matthew J., New York, N. Y. Printing-press. No. 1,121,896; Dec. 22; Gaz. vol. 209; p. 1164.
- Bull, Anders, Brooklyn, N. Y. Electric signaling system. No. 1,110,479; Sept. 15; Gaz. vol. 206; p. 657.
- Bull, George F., Birmingham, England. Carbureter for internal-combustion engines. No. 1,116,986; Nov. 10; Gaz. vol. 208; p. 568.
- Bullard, Albert M., New York, N. Y., assignor to Western Electric Company, Chicago, Ill. Selector. No. 1,106,922; Aug. 11; Gaz. vol. 205; p. 511.
- Bullard, Albert M., deceased; M. R. Bullard, administratrix, assignor to Western Electric Company, New York, N. Y. Selective switching apparatus. No. 1,119,923; Dec. 8; Gaz. vol. 209; p. 388.
- Bullard, Edgar R., assignor of one-half to L. E. Morningstar, Wheeling, W. Va. Matrix-sheet and producing same. No. 1,112,356; Sept. 29; Gaz. vol. 206; p. 1387.
- Bullard, Edward P., Jr., assignor to The Bullard Machine Tool Co., Bridgeport, Conn. Adjustable observation-stop. No. 1,088,965; Mar. 3; Gaz. vol. 200; p. 101.
- Bullard, Jasper F., assignor to J. B. McRitchie, Loachapoka, Ala. Pump. No. 1,117,942; Nov. 17; Gaz. vol. 208; p. 942.
- Bullard, Jay F. (See Bullard, John F. and J. F.)
- Bullard, John F. and J. F., Swanton, Vt. Bean-sheller. No. 1,108,691; Aug. 25; Gaz. vol. 205; p. 1224.
- Bullard, Louis W., Cumberland, Md. Brush. No. 1,111,643; Sept. 22; Gaz. vol. 206; p. 1105.
- Bullard Machine Tool Co., The. (See Bullard, Edward P., Jr., assignor.)
- Bullard, Marion R., administratrix. (See Bullard, Albert M.)
- Bullen, Clare H., assignor to Pacific Cement Pipe Company, Portland, Oreg. Curb drain-pipe. No. 1,101,399; June 23; Gaz. vol. 203; p. 1175.
- Bullock, Arthur, et al. (See Robinson, Arthur J., assignor.)
- Bullock, Arthur R., Cleveland, Ohio. Driving mechanism for automobiles. No. 1,094,055; Apr. 21; Gaz. vol. 201; p. 732.
- Bullock, Arthur R., assignor to A. J. Hudson, Cleveland, Ohio. Ignition-plug. No. 1,091,451; Mar. 24; Gaz. vol. 200; p. 1070.

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- Bullock, Arthur R., assignor to T. T. Jenne, Cleveland, Ohio. Tank for the distribution and storage of gases. No. 1,095,993; May 5; Gaz. vol. 202; p. 278.
- Bullock, Arthur R., Cleveland, Ohio, assignor, by mesne assignments, to H. C. Lee, trustee. Current-transforming device. No. 1,119,397; Dec. 1; Gaz. vol. 209; p. 172.
- Bullock, Charles A. H., London, England. Stamp-affixing machine. No. 1,109,105; Sept. 1; Gaz. vol. 206; p. 87.
- Bullock, Charles A. H., London, England. Machine for delivering and affixing stamps and the like. No. 1,121,227; Dec. 15; Gaz. vol. 209; p. 894.
- Bullock, Edwin R., Pawtucket, R. I., assignor to United Cotton Gin Company, Boston, Mass. Cotton-gin. No. 1,090,272; Mar. 17; Gaz. vol. 200; p. 638.
- Bullock, George, Grand Junction, Colo. Parcel-carrier. No. 1,120,020; Dec. 8; Gaz. vol. 209; p. 422.
- Bullock, Henry E., *et al.* (See Scherling, Rudolph C., assignor.)
- Bullock, James E., *et al.* (See Scherling, Rudolph C., assignor.)
- Bullock, Raymond G., assignor to Art Metal Construction Company, Jamestown, N. Y. Lock for filing-cases. No. 1,109,106; Sept. 1; Gaz. vol. 206; p. 88.
- Bullock, Raymond G., assignor to Art Metal Construction Company, Jamestown, N. Y. Compressor for filing-drawers. No. 1,112,357; Sept. 29; Gaz. vol. 206; p. 1387.
- Bullock Tractor Company. (See Appleby, John F., assignor.)
- Bullock Tractor Company. (See Houghton, Orley C., assignor.)
- Bullôt, William H., and G. B. Fayette, assignors of five-sixteenths to A. P. Murdoch, three-sixteenths to O. P. Keeney, five-sixteenths to said Bullock, and three-sixteenths to said Fayette, Oswego, N. Y. Accelerator for hot-water systems. No. 1,118,394; Nov. 24; Gaz. vol. 208; p. 1140.
- Bullôt, Louis F., Sydney, New South Wales, Australia. Preservation of alimentary substances, such as meat, fish, poultry, game, and the like. No. 1,119,398; Dec. 1; Gaz. vol. 209; p. 172.
- Bulmer, Thaddeus S., Greenport, N. Y. Bilge-pump. No. 1,117,779; Nov. 17; Gaz. vol. 208; p. 888.
- Bumann, Caroline, executrix. (See Bumann, Theodore.)
- Bumann, Theodore, Litchfield, Ill. Safety device for power-presses. No. 1,091,117; Mar. 24; Gaz. vol. 200; p. 960.
- Bumann, Theodore, deceased, Litchfield, Ill.; C. Bumann, executrix. Razor-stripper. No. 1,113,407; Oct. 13; Gaz. vol. 207; p. 391.
- Bumby, Henry E. (See Ragan and Bumby.)
- Bumgardner, Sidney D. (See Stange, Magnus E., assignor.)
- Bump, Floyd E., and S. J. Barkman, Fenton, Mich. Head-light control. No. 1,105,247; July 28; Gaz. vol. 204; p. 1186.
- Bump, George P., La Crosse, Wis., assignor to Bump's Perfected Paper Fastener Co. Machine for fastening paper or like sheets together. No. 1,104,622; July 21; Gaz. vol. 204; p. 921.
- Bump's Perfected Paper Fastener Co. (See Bump, George P., assignor.)
- Bumstead, Ralph W., Boston, Mass. Stock-quotation indicator. No. 1,114,578; Oct. 20; Gaz. vol. 207; p. 842.
- Bunch, Thomas J., Hugo, Va. Car journal-box. No. 1,110,252; Sept. 8; Gaz. vol. 206; p. 536.
- Bündgens, Franz, Kiel, Germany. Mine-finder. No. 1,094,700; Apr. 28; Gaz. vol. 201; p. 1013.
- Bundy, Charles L., Minor, Kans. Force-feed oiler. No. 1,104,102; July 21; Gaz. vol. 204; p. 741.
- Bundy, Willard H., assignor to W. H. Bundy Recording Company, Syracuse, N. Y. Time-recorder. No. 1,088,672; Feb. 24; Gaz. vol. 199; p. 1210.
- Bundy, Willard L., Binghamton, assignor to W. H. Bundy Recording Company, Syracuse, N. Y. Calculating-machine. No. 1,113,099; Oct. 6; Gaz. vol. 207; p. 236.
- Bundy, Willard L., assignor to W. H. Bundy Recording Company, Syracuse, N. Y. Calculating-machine. No. 1,117,200; Nov. 17; Gaz. vol. 208; p. 683.
- Buniff, Egbert, Patterson, La. Lap-ring. No. 1,085,193; Jan. 27; Gaz. vol. 198; p. 742.
- Bunker, Chauncey E., Jr., San Jacinto, Cal. Land-grader. No. 1,086,585; Feb. 10; Gaz. vol. 199; p. 398.
- Bunker, William O., Nevada, Mo. Washing-machine. No. 1,118,735; Nov. 24; Gaz. vol. 208; p. 1260.
- Bunn, Benjamin H. and R. N., Chicago, Ill. Knotter. No. 1,097,527; May 19; Gaz. vol. 202; p. 885.
- Bunn, Everett E., and E. O. Robinson, Harrisonville, Mo. Carbureter. No. 1,107,489; Aug. 18; Gaz. vol. 205; p. 759.
- Bunn, John W., Kansas City, Mo. Locomotive-headlight. No. 1,101,118; June 23; Gaz. vol. 203; p. 1079.
- Bunn, Romanzo N. (See Bunn, Benjamin H. and R. N.)
- Bunnell, Morton G., assignor to F. C. Austin, Chicago, Ill. Automatic window-screen. No. 1,115,499; Nov. 3; Gaz. vol. 208; p. 11.
- Bunnell, Morton G., assignor to F. C. Austin, Chicago, Ill. Excavating-machine. No. 1,123,089; Dec. 29; Gaz. vol. 209; p. 1616.
- Bunting Iron Works. (See Hall, James T., assignor.)
- Bunting, William, Jr., Brookline, Mass. Lavatory-fitting. No. 1,110,668; Sept. 15; Gaz. vol. 206; p. 724.
- Bunzel, Hugo. (See Hackl and Bunzel.)
- Bunzl, Eleanor, New York, N. Y. Fruit-seed extractor. No. 1,083,918; Jan. 13; Gaz. vol. 198; p. 246.
- Buonicore, Anthony, New York, N. Y. Cushion-shackle. No. 1,104,343; July 21; Gaz. vol. 204; p. 823.
- Burbridge, Charles H., New York, N. Y. Metal door construction. No. 1,118,265; Nov. 24; Gaz. vol. 208; p. 1094.
- Burboa, Juan G. H., Hermosillo, Mexico. Type-writing machine. No. 1,089,689; Mar. 10; Gaz. vol. 200; p. 396.
- Burboa, Juan G. H., Hermosillo, Mexico. Platen mechanism. No. 1,098,556; June 2; Gaz. vol. 203; p. 71.
- Burbridge, Augustus D., London, England. Ship's davit. No. 1,084,310; Jan. 13; Gaz. vol. 198; p. 380.
- Burby, John M., Astoria, assignor to The Pembee Company, New York, N. Y. Recovery of pulp from waste papers. No. 1,112,887; Oct. 6; Gaz. vol. 207; p. 166.
- Burch, Albert M., assignor to Minneapolis Steel & Machinery Company, Minneapolis, Minn. Flume. No. 1,084,252; Jan. 13; Gaz. vol. 198; p. 361.
- Burch, Charles F., Oakmont, Pa. Conveyer mechanism. No. 1,122,365; Dec. 29; Gaz. vol. 209; p. 1363.
- Burch, Clarence F., Spokane, Wash. Wrench. No. 1,092,135; Apr. 7; Gaz. vol. 201; p. 4.
- Burch, Edwin W., *et al.* (See Nicholson, Alonzo L., assignor.)
- Burch, Francis L. (See Burch, Joseph E. and F. L.)
- Burch, Frederick W., Pueblo, Colo. Water-bag. No. 1,083,873; Jan. 6; Gaz. vol. 198; p. 200.
- Burch, Jasper. (See Burgner and Burch.)
- Burch, John S., assignor to Chicago Varnish Company, Chicago, Ill. Dry-kiln. No. 1,095,187; May 5; Gaz. vol. 202; p. 5.
- Burch, Joseph E. and F. L., St. Louis, Mo. Printing-meter. No. 1,091,804; Mar. 31; Gaz. vol. 200; p. 1238.
- Burcham, Devirda H., Kansas City, Kans. Animal-trussing apparatus. No. 1,109,820; Sept. 8; Gaz. vol. 206; p. 380.
- Burcham, James H., Danville, Ill. Combined electric-light system. No. 1,088,527; Feb. 24; Gaz. vol. 199; p. 1162.
- Burchell, Samuel E., assignor of one-half to J. A. Komer, Paterson, N. J. Shovel. No. 1,107,583; Aug. 18; Gaz. vol. 205; p. 792.
- Burchess, Herman, Chicago, Ill., assignor of one-half to E. Ross, New York, N. Y. Hinge. No. 1,092,136; Apr. 7; Gaz. vol. 201; p. 4.
- Burchess, Herman, Chicago, Ill., assignor of one-half to E. Ross, New York, N. Y. Hinge. No. 1,112,888; Oct. 6; Gaz. vol. 207; p. 167.
- Burchett, Louis H., Cashion, Okla. Wheel-holding attachment for tire-shrinking machines. No. 1,091,285; Mar. 24; Gaz. vol. 200; p. 1017.
- Burchett, Walter J., East Orange, N. J., assignor, by mesne assignments, to The Masterphone Corporation. Clarifying attachment for talking-machines. No. 1,084,570; Jan. 13; Gaz. vol. 198; p. 464.
- Burchett, Walter J., East Orange, N. J., assignor to Ellis Adding Typewriter Company. Ribbon winding and reversing mechanism. No. 1,089,042; Mar. 3; Gaz. vol. 200; p. 125.
- Burky, William E., Chicago, Ill. Lamp. No. 1,091,118; Mar. 24; Gaz. vol. 200; p. 961.
- Burky, William E., Chicago, Ill. Lamp. No. 1,106,776; Aug. 11; Gaz. vol. 205; p. 460.
- Burd, Irving J., Olympia, Wash. Dining-table attachment. No. 1,108,692; Aug. 25; Gaz. vol. 205; p. 1224.
- Burd, Roy L., Chicago, Ill. Piston packing-ring. No. 1,092,201; Apr. 7; Gaz. vol. 201; p. 27.
- Burdet-Chevalier, Paul, Ronsdorf, near Barmen, Germany. Tape for fastening clothes. No. 1,095,805; May 5; Gaz. vol. 202; p. 216.
- Burdett, James E., assignor of one-half to J. T. Dwyer, Claremont, N. H. Necktie-presser. No. 1,102,569; July 7; Gaz. vol. 204; p. 123.
- Burdett, John B., assignor to Burdett Manufacturing Company, Chicago, Ill. Electrolytic cell for generating hydrogen and oxygen gases. No. 1,086,804; Feb. 10; Gaz. vol. 199; p. 474.
- Burdett, John B., Chicago, Ill., assignor, by mesne assignments, to Davis-Bournonville Company. Carbide-feed mechanism for acetylene-generators. No. 1,095,702; May 5; Gaz. vol. 202; p. 181.
- Burdett, John B., Chicago, Ill., assignor to Davis-Bournonville Company, New York, N. Y., and Chicago, Ill. Electrolytic cell. No. 1,104,754; July 21; Gaz. vol. 204; p. 966.
- Burdett, John B., Chicago, Ill., assignor to Davis-Bournonville Company, New York, N. Y., and Chicago, Ill. Electrolytic cell. No. 1,107,257; Aug. 18; Gaz. vol. 205; p. 675.
- Burdett, John B., Chicago, Ill., assignor to Davis-Bournonville Company, New York, N. Y., and Chicago, Ill. Electrolytic cell. No. 1,107,258; Aug. 18; Gaz. vol. 205; p. 676.

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- Burdett, John B., Chicago, Ill., assignor to Davis-Bournville Company, New York, N. Y., and Chicago, Ill. Electrolytic cell. No. 1,107,259; Aug. 18; Gaz. vol. 205; p. 676.
- Burdett Manufacturing Company. (See Burdett, John B., assignor.)
- Burdick, Charles L., London, England. Packet and making same. No. 1,093,605; Apr. 21; Gaz. vol. 201; p. 580.
- Burdick, Ralph H., *et al.* (See Johnson, Austin C., assignor.)
- Burdick, Ralph H., *et al.* (See Johnson, Clinton A., assignor.)
- Burdine, Charles C., Washington, D. C., assignor to Mergenthaler Linotype Company. Type or matrix. No. 1,099,485; June 9; Gaz. vol. 203; p. 426.
- Burdon, John, W. M., and M. M., Bellshill, Scotland. Oil-gas producer. No. 1,112,051; Sept. 29; Gaz. vol. 206; p. 1281.
- Burdon, Matthew M. (See Burdon, John, W. M., and M. M.)
- Burdon, William M. (See Burdon, John, W. M., and M. M.)
- Burdlaw, Aaron. (See Edlavitch, Charles J., assignor.)
- Burfeind, Joachim H., Nucla, Colo. Extracting uranium, vanadium, and radium from ores and other material containing the same. No. 1,095,377; May 5; Gaz. vol. 202; p. 70.
- Burge, George H., assignor of one-half to R. G. Burge, Huntsville, Mo. Rail-bond. No. 1,113,875; Oct. 13; Gaz. vol. 207; p. 554.
- Burge, R. G. (See Burge, George H., assignor.)
- Burgell, John. (See Jenkins, O'Brien, Burgell, and Crerar.)
- Burger, Alfred, New Brighton, N. Y. Production of boric acid. No. 1,108,129; Aug. 25; Gaz. vol. 205; p. 1020.
- Burger, Alfred, New Brighton, N. Y. Filter-press. No. 1,112,674; Oct. 6; Gaz. vol. 207; p. 95.
- Burger, Jeremiah A. (See Leach, Harvey E., assignor.)
- Burger, Theodore J., Chino, Cal. Oil-can holder for machines. No. 1,085,969; Feb. 3; Gaz. vol. 199; p. 139.
- Burgert, August, assignor to Elsässische Maschinenbau-Gesellschaft, Mülhausen, Germany. Combined printing-machine for text and intaglio fine printing. No. 1,105,482; July 28; Gaz. vol. 204; p. 1271.
- Burgess, Arthur. (See Rehfuß, Burgess, and Rehfuß.)
- Burgess, Arthur, J. G. and M. O. Rehfuß, Philadelphia, Pa. Machine for folding lace curtains and like materials. No. 1,085,537; Jan. 27; Gaz. vol. 198; p. 857.
- Burgess, Arthur, J. G. and M. O. Rehfuß, Philadelphia, Pa. Conveyer. No. 1,085,538; Jan. 27; Gaz. vol. 198; p. 858.
- Burgess, Charles F., Madison, Wis. Portable electric light. No. 1,083,520; Jan. 6; Gaz. vol. 198; p. 86.
- Burgess, Charles F., Madison, Wis. Hand-lamp. No. 1,084,926; Jan. 20; Gaz. vol. 198; p. 614.
- Burgess, Ernest, Norwalk, Conn. Tension device for shuttles. No. 1,111,435; Sept. 22; Gaz. vol. 206; p. 1031.
- Burgess, Frank A., assignor to Burgess-Norton Manufacturing Company, Geneva, Ill. Hatchet. No. 1,089,043; Mar. 3; Gaz. vol. 200; p. 126.
- Burgess, Gardner M., Providence, R. I. Sleeve holder or clasp. No. 1,083,385; Jan. 6; Gaz. vol. 198; p. 42.
- Burgess, George F. (See Burgess, John W. and G. F.)
- Burgess, James C., assignor to A. G. Rice, Indianapolis, Ind. Wrench or vise. No. 1,094,400; Apr. 21; Gaz. vol. 201; p. 845.
- Burgess, John, Beckenham, assignor of one-half to J. Bird, Stamford Hill, London, England. Device for use with pails, baths, and other liquid-containing vessels. No. 1,085,319; Jan. 27; Gaz. vol. 198; p. 787.
- Burgess, John R., Broadheath, assignor to Linotype and Machinery Limited, London, England. Distributing mechanism of typographical machines. No. 1,119,495; Dec. 1; Gaz. vol. 209; p. 206.
- Burgess, John W., and G. F., Brookfield, Mo. Tire. No. 1,115,389; Oct. 27; Gaz. vol. 207; p. 1177.
- Burgess, Newton A., New York, N. Y., assignor to Butters Patent Vacuum Filter Company, Inc. Apparatus for filtering valuable compounds. No. 1,103,345; July 14; Gaz. vol. 204; p. 438.
- Burgess, Newton A., New York, N. Y., assignor to Butters Patent Vacuum Filter Company, Inc. Filter-leaf. No. 1,114,224; Oct. 20; Gaz. vol. 207; p. 717.
- Burgess-Norton Manufacturing Company. (See Burgess, Frank A., assignor.)
- Burgess, Oliver R. (See Murphey and Burgess.)
- Burgess, Robert. (See Brindle, Thomas, assignor.)
- Burgess Sulphite Fibre Co. (See Wolf, Robert B., assignor.)
- Burgewitz, John W., Muskegon, Mich. Envelop. No. 1,106,623; Aug. 11; Gaz. vol. 205; p. 408.
- Burggraf, Louis, Jr., Oglesby, Ill. Means for tire inflation. No. 1,112,596; Oct. 6; Gaz. vol. 207; p. 66.
- Burgi, Herman, Springfield, Mass. Making gas. No. 1,095,806; May 5; Gaz. vol. 202; p. 216.
- Burgi, Herman, Springfield, Mass. Process and apparatus for making gas. No. 1,120,273; Dec. 8; Gaz. vol. 209; p. 510.
- Burgin, Daniel W., assignor of one-third to J. W. Wright, Garner, Tex. Lamp-chimney holder. No. 1,096,019; May 12; Gaz. vol. 202; p. 323.
- Burglar Proof Lock Company. (See Segal, Samuel, assignor.)
- Burgner, Frank, and J. Burch, Silver City, Utah. Clevius connection. No. 1,116,987; Nov. 10; Gaz. vol. 208; p. 568.
- Burgoyne Bros. (See Reeves, John T., assignor.)
- Burgoyne, Etta, Urbana, Ohio. Adjustable bracket for curtain-fixtures. No. 1,120,902; Dec. 15; Gaz. vol. 209; p. 781.
- Burgstaller Siegfried. (See Schwarzkopf and Burgstaller.)
- Burhoe, Freeman M. W., Northbridge, Mass. Automatic sprinkler. No. 1,118,266; Nov. 24; Gaz. vol. 208; p. 1094.
- Burhorn, Edwin, Hoboken, N. J. Cooling-tower. No. 1,092,334; Apr. 7; Gaz. vol. 201; p. 73.
- Burhorn, Edwin, Hoboken, N. J. Cooling-tower. No. 1,118,267; Nov. 24; Gaz. vol. 208; p. 1095.
- Burian, Carl, assignor to Firm of Gebrüder Schubert, Berlin, Germany. Case-hardening iron and steel articles. No. 1,091,286; Mar. 24; Gaz. vol. 200; p. 1018.
- Burk, Sidney M., assignor of one-half to G. W. Hosfeld, Philadelphia, Pa. Rotary converter. No. 1,098,557; June 2; Gaz. vol. 203; p. 71.
- Burkam, Jacob, Brooklyn, N. Y. Bed-pan. No. 1,093,530; Apr. 14; Gaz. vol. 201; p. 512.
- Burkart, Rudolph, *et al.* (See Matson, Charles, assignor.)
- Burke, Alfred W., Pittsburgh, Pa. High-voltage switch. No. 1,099,421; June 9; Gaz. vol. 203; p. 405.
- Burke, Alfred W., Wilkesburg, Pa. Lightning-arrester. No. 1,107,584; Aug. 18; Gaz. vol. 205; p. 792.
- Burke, Charles E., assignor of one-half to J. Gerlach, Argenta, Ark. Safety device. No. 1,088,528; Feb. 24; Gaz. vol. 199; p. 1162.
- Burke, Charles G., New York, N. Y. Code-forming device. No. 1,086,586; Feb. 10; Gaz. vol. 199; p. 398.
- Burke, Edward, Philadelphia, Pa., assignor to Union Special Machine Company. Folding and guiding device for sewing-machines. No. 1,119,240; Dec. 1; Gaz. vol. 209; p. 118.
- Burke, Edward F., assignor of one-half to L. Black, Philadelphia, Pa. Button-sewing machine. No. 1,120,274; Dec. 8; Gaz. vol. 209; p. 511.
- Burke Electric Company. (See Faure, Elie F. G. H., assignor.)
- Burke, James, Erie, Pa., assignor to General Railway Signal Company. Block-signal system. No. 1,086,752; Feb. 10; Gaz. vol. 199; p. 455.
- Burke, James E., *et al.* (See Burke, William W., assignor.)
- Burke, John P., *et al.* (See Fahrney, John J., assignor.)
- Burke, John W., Proctor, Minn. Cap. No. 1,105,400; July 28; Gaz. vol. 204; p. 1242.
- Burke, Patrick F., New York, N. Y. Horseshoe. No. 1,094,873; Apr. 28; Gaz. vol. 201; p. 1072.
- Burke, Ralph H., Morgan Park, and P. Harrington, Chicago, Ill. Excavating-machine. No. 1,100,052; June 16; Gaz. vol. 203; p. 657.
- Burke, Thomas A., Galesburg, Ill. Kitchen utensil. No. 1,116,988; Nov. 10; Gaz. vol. 208; p. 569.
- Burke, Thomas H., *et al.* (See Coty, Alfred C., assignor.)
- Burke, Wilbur B., Cleveland, Ohio. Valve. No. 1,101,008; June 23; Gaz. vol. 203; p. 1041.
- Burke, William, Newark, Ohio. Golf-club head. No. 1,089,900; Mar. 10; Gaz. vol. 200; p. 469.
- Burke, William E., assignor of one-half to C. F. Rosch, deceased, Lorain, Ohio; M. Rosch administratrix. Valve for flushing-tanks. No. 1,114,444; Oct. 20; Gaz. vol. 207; p. 796.
- Burke, William W., assignor of one-fourth to J. E. Burke and one-fourth to A. J. Cooper, Bennington, Vt. Stop-motion for knitting-machines. No. 1,096,890; May 19; Gaz. vol. 202; p. 663.
- Burke, William W., assignor of one-fourth to J. E. Burke and one-fourth to A. J. Cooper, Bennington, Vt. Circuit-closing device. No. 1,096,891; May 19; Gaz. vol. 202; p. 664.
- Burke, William W., assignor of one-fourth to J. E. Burke and one-fourth to A. J. Cooper, Bennington, Vt. Electric-circuit-closing device. No. 1,101,009; June 23; Gaz. vol. 203; p. 1042.
- Bürker, Ferdinand. (See Welss, Bürker, and Heuschkel.)
- Burkett, Abram J., Waverly, Va. Combined seed-planter and fertilizer-distributor. No. 1,087,211; Feb. 17; Gaz. vol. 199; p. 663.
- Burkett, Charles L., and G. Miller, Peru, Ind. Combination back-rest, rear seat, and luggage-carrier. No. 1,121,580; Dec. 15; Gaz. vol. 209; p. 1016.
- Burkett, Ira E., assignor to Schofield-Burkett Construction Co., Macon, Ga. Excavating-scraper. No. 1,095,155; Apr. 28; Gaz. vol. 201; p. 1170.
- Burkett, John W., assignor to The Burkett Manufacturing Company, Columbus, Ohio. Hay-press. No. 1,091,912; Mar. 31; Gaz. vol. 200; p. 1276.
- Burkett Manufacturing Company, The. (See Burkett, John W., assignor.)
- Burkey, Elmer R., and J. F. Voelpel, Verona, Mo. Cotton-chopper. No. 1,121,974; Dec. 22; Gaz. vol. 209; p. 1191.

Alphabetical list of patentees—Continued.

- Burkhardt, John, New York, N. Y. Casting-machine. No. 1,108,693; Aug. 25; Gaz. vol. 205; p. 1224.
- Burkhardt, John, New York, N. Y. Casting-machine. No. 1,108,694; Aug. 25; Gaz. vol. 205; p. 1225.
- Burkhart, Charles F., New York, N. Y. Shoe-polishing machine. (Reissue.) No. 13,797; Sept. 8; Gaz. vol. 206; p. 557.
- Burkhart, Fred G., Colony, Okla. Automatic sash lock and opener. No. 1,121,228; Dec. 15; Gaz. vol. 209; p. 895.
- Burkhart, Ralph R., Spokane, Wash. Hame. No. 1,104,623; July 21; Gaz. vol. 204; p. 921.
- Burkholder, John D., Lancaster, Pa., assignor to Toledo Scale Company, Toledo, Ohio. Scale. No. 1,096,096; May 12; Gaz. vol. 202; p. 350.
- Burkholder, John H., assignor to The Elite Manufacturing Company, Ashland, Ohio. Lift-jack. No. 1,097,581; May 19; Gaz. vol. 202; p. 903.
- Burkholder, John H., assignor to Elite Manufacturing Company, Ashland, Ohio. Lift-jack for vehicles. No. 1,119,241; Dec. 1; Gaz. vol. 209; p. 118.
- Burkland, Hanna, Chicago, Ill. Infant's garment. No. 1,119,399; Dec. 1; Gaz. vol. 209; p. 173.
- Burkle, Henry C., Toronto, Kans. Bale-conveyer. No. 1,093,531; Apr. 14; Gaz. vol. 201; p. 513.
- Burkley, Joseph A., Pittsburgh, Pa. Attachment for incandescent lights. No. 1,100,471; June 16; Gaz. vol. 203; p. 803.
- Burks, Eugene G., and N. Hayes, Birmingham, Ala. Coal-washing apparatus. No. 1,112,976; Oct. 6; Gaz. vol. 207; p. 197.
- Burks, Paul I., Louisville, Ky. Pneumatic action for musical instruments. No. 1,105,248; July 28; Gaz. vol. 204; p. 1186.
- Burleigh, Arthur C., Sewickley, Pa. Optical pyrometer. No. 1,119,571; Dec. 1; Gaz. vol. 209; p. 232.
- Burleigh, Charles H., South Berwick, Me. Lifting-surface for flying-machines. No. 1,084,068; Jan. 13; Gaz. vol. 198; p. 298.
- Burleigh, James K., assignor to American Sign Company, Kalamazoo, Mich. Sign. No. 1,086,021; Feb. 3; Gaz. vol. 199; p. 158.
- Burleson, John J., Hartsells, Ala. Well-bucket. No. 1,098,475; June 2; Gaz. vol. 203; p. 41.
- Burlew, Charles R., Yonkers, N. Y. Temperature-regulator. No. 1,118,328; Nov. 24; Gaz. vol. 208; p. 1117.
- Burley, Henry A., Warrendale, assignor of forty-nine one-hundredths to E. H. Holley, Milwaukee, Oreg. Moving-picture-film mender. No. 1,083,590; Jan. 6; Gaz. vol. 198; p. 109.
- Burlin, Charles T., assignor to The Whitin Machine Works, Whitinsville, Mass. Presser for fliers. No. 1,103,654; July 14; Gaz. vol. 204; p. 547.
- Burlingame, Albert C., Mandan, N. D. Hoisting mechanism. No. 1,113,408; Oct. 13; Gaz. vol. 207; p. 391.
- Burlingham, Burdette T., McGraw, N. Y. Shade-fixture. No. 1,115,052; Oct. 27; Gaz. vol. 207; p. 1061.
- Burlingham, William. (See Palen and Burlingham.)
- Burlington Separator Co. (See Wheeler, George E., assignor.)
- Burlog, Peter A., Upham, N. D. Tool-holder. No. 1,092,971; Apr. 14; Gaz. vol. 201; p. 325.
- Burn, Robert, Petone, New Zealand. Internal-combustion engine. No. 1,114,961; Oct. 27; Gaz. vol. 207; p. 1029.
- Burnam, James F., Huntsville, Ala. Sign. No. 1,107,585; Aug. 18; Gaz. vol. 205; p. 792.
- Burnam, James F., Huntsville, Ala. Spring-actuated gun. No. 1,107,586; Aug. 18; Gaz. vol. 205; p. 793.
- Burnap, Charles E., Chicago, Ill., assignor to C. Burnap, Narberth, Pa. Boiler. No. 1,119,063; Dec. 1; Gaz. vol. 209; p. 58.
- Burnap, Cyrus. (See Burnap, Charles E., assignor.)
- Burnell, Alexander. (See Patnode and Burnell.)
- Burner, Willard C., New York, N. Y. Drill-grinding machine. No. 1,109,320; Sept. 1; Gaz. vol. 206; p. 164.
- Burnett, Arthur J. H., Wimbledon Park, assignor of one-half to R. Goodson, Holborn, London, England. Cash-register. No. 1,119,344; Dec. 1; Gaz. vol. 209; p. 153.
- Burnett, Charles E., assignor to one-fourth to C. M. Clapp, one-fourth to T. B. Welch, and one-fourth to M. E. Newberry, North Rose, N. Y. Scale attachment for supporting wagon-beds. No. 1,113,931; Oct. 13; Gaz. vol. 207; p. 572.
- Burnett, Charley, Washington Court-House, Ohio. Fence-post. No. 1,123,000; Dec. 29; Gaz. vol. 209; p. 1617.
- Burnett, Cuthbert, Durham, England. Pneumatic or elastic tire. No. 1,091,480; Mar. 31; Gaz. vol. 200; p. 1125.
- Burnett, John W. (See Mason, William K., assignor.)
- Burnett, Richard W., Montreal, Quebec, Canada. Dump-car door. No. 1,089,392; Mar. 10; Gaz. vol. 200; p. 290.
- Burnett, Richard W., Montreal, Quebec, Canada. Dump-car. No. 1,096,351; May 12; Gaz. vol. 202; p. 439.
- Burnett, Richard W., Montreal, Quebec, Canada. Dump-car. No. 1,096,352; May 12; Gaz. vol. 202; p. 439.
- Burnett, Richard W., Montreal, Quebec, Canada. Dump-car. No. 1,108,327; Aug. 25; Gaz. vol. 205; p. 1100.
- Burnett, Richard W., Montreal, Quebec, Canada. Train-pipe anchor. No. 1,108,328; Aug. 25; Gaz. vol. 205; p. 1100.
- Burnett, Richard W., Montreal, Quebec, Canada. Spring structure for railway-car trucks. No. 1,117,780; Nov. 17; Gaz. vol. 208; p. 889.
- Burnett, Richard W., Montreal, Quebec, Canada. Ventilator. No. 1,117,973; Nov. 24; Gaz. vol. 208; p. 993.
- Burnett, Richard W., Montreal, Quebec, Canada. Dump-car. No. 1,121,975; Dec. 22; Gaz. vol. 209; p. 1192.
- Burnett, Thomas H., Exchequer, assignor of one-half to C. Gallo, Snelling, Cal. Car-truck. No. 1,094,524; Apr. 28; Gaz. vol. 201; p. 949.
- Burnett, William S., assignor to Morse Code Signal Company, Milwaukee, Wis. Selector. No. 1,110,418; Sept. 15; Gaz. vol. 206; p. 635.
- Burnett, William S., assignor to Morse Code Signal Co., Milwaukee, Wis. Electromagnetic selective device. No. 1,119,681; Dec. 1; Gaz. vol. 209; p. 268.
- Burnett, William S., assignor to Morse Code Signal Company, Milwaukee, Wis. Electromagnetic selective device. No. 1,120,997; Dec. 15; Gaz. vol. 209; p. 813.
- Burney, Charles D., Kilmeston, Alresford, England. Hydroaeronautical apparatus. No. 1,107,260; Aug. 18; Gaz. vol. 205; p. 677.
- Burnham Basket Company. (See Burnham, Charles, assignor.)
- Burnham, Charles, Los Angeles, Cal., assignor to Burnham Basket Company. Box-making machine. No. 1,119,340; Dec. 1; Gaz. vol. 209; p. 151.
- Burnham, Charles, Los Angeles, Cal., assignor, by mesne assignments, to Burnham Basket Company. Box-making machine. No. 1,119,341; Dec. 1; Gaz. vol. 209; p. 151.
- Burnham, Charles, Los Angeles, Cal., assignor to Burnham Basket Company. Box-making machine. No. 1,119,342; Dec. 1; Gaz. vol. 209; p. 152.
- Burnham, Charles, Los Angeles, Cal., assignor, by mesne assignments, to Burnham Basket Company. Box-machine. No. 1,119,343; Dec. 1; Gaz. vol. 209; p. 152.
- Burnham, George A., Essex, Mass. Automatic voltage-regulator system. No. 1,118,632; Nov. 24; Gaz. vol. 208; p. 1225.
- Burnham, George A., Cliftondale, Mass. Automatic voltage-regulator. No. 1,118,633; Nov. 24; Gaz. vol. 208; p. 1225.
- Burnham, John M., and H. J. Schneider, Adams, Nebr. Braid-cabinet. No. 1,106,543; Aug. 11; Gaz. vol. 205; p. 379.
- Burnhart, George W., Ward, Colo., and A. Krieg, Kansas City, Mo. Ore-concentrating machine. No. 1,106,923; Aug. 11; Gaz. vol. 205; p. 512.
- Burns, Bartholomew P., assignor of one-half to D. B. Carmichael, Chicago, Ill. Locking device for coats, hats, and umbrellas. No. 1,116,989; Nov. 10; Gaz. vol. 208; p. 569.
- Burns & Bassick Company, The. (See Cummins, Norman W., assignor.)
- Burns & Bassick Company, The. (See Garrison, Edward N., assignor.)
- Burns, Berend J., *et al.* (See Winkler, Frederick G., assignor.)
- Burns, Charles M., Maysville, Ga. Locomotive-headlight control. No. 1,109,160; Sept. 1; Gaz. vol. 206; p. 107.
- Burns, Dallas R., Gwynneville, Ind. Fence-post. No. 1,107,406; Aug. 18; Gaz. vol. 205; p. 729.
- Burns, Daniel R., near Willjorodo, Tex. Hen's nest. No. 1,110,108; Sept. 8; Gaz. vol. 206; p. 485.
- Burns, George E., Central Falls, R. I. Apparatus for making molds for rings. No. 1,097,749; May 26; Gaz. vol. 202; p. 1008.
- Burns, George E., Central Falls, R. I. Apparatus for making molds. No. 1,098,311; May 26; Gaz. vol. 202; p. 1206.
- Burns, Harvey L., Newark, N. J., and S. B. Williams, Jr., New York, N. Y. Electric sign system. No. 1,116,007; Nov. 3; Gaz. vol. 208; p. 185.
- Burns, James F., Philadelphia, Pa. Electric insulating-fitting. No. 1,088,402; Feb. 24; Gaz. vol. 199; p. 1122.
- Burns, James P., Auburn, N. Y. Trolley-wheel. No. 1,083,986; Jan. 13; Gaz. vol. 198; p. 269.
- Burns, James S., Excel, Ala. Door-holder. No. 1,095,079; Apr. 28; Gaz. vol. 201; p. 1143.
- Burns, John H., Beloit, Wis. Hat-pin-point protector. No. 1,093,765; Apr. 21; Gaz. vol. 201; p. 634.
- Burns, John M. (See Vauclain and Burns.)
- Burns, Joseph, Okmulgee, Okla. Wire-line rope-socket. No. 1,107,889; Aug. 18; Gaz. vol. 205; p. 898.
- Burns, Leslie C., Union Hill, N. J. Marine steering-gear. No. 1,103,738; July 14; Gaz. vol. 204; p. 575.
- Burns, Newton H., Cincinnati, Ohio. Currycomb. No. 1,093,107; Apr. 14; Gaz. vol. 201; p. 372.
- Burns, Orcian B., San Francisco, Cal. Concealable bed. No. 1,086,022; Feb. 3; Gaz. vol. 199; p. 159.
- Burns, Patrick R., Soddy, Tenn. Match-holder for caps. No. 1,085,847; Feb. 3; Gaz. vol. 199; p. 95.
- Burns, Peter C., assignor to American Electric Telephone Company, Chicago, Ill. Electric fuse. No. 1,109,036; Sept. 1; Gaz. vol. 206; p. 64.
- Burns, Peter C., assignor to The American Electric Company, Chicago, Ill. Mouthpiece attachment for telephone-transmitters. No. 1,109,037; Sept. 1; Gaz. vol. 206; p. 65.

Alphabetical list of patentees—Continued.

- Burns, Peter C., assignor to The American Electric Company, Chicago, Ill. Extensible support. No. 1,109,038; Sept. 1; Gaz. vol. 206; p. 65.
- Burns, Robert, assignor to Jabez Burns & Sons, New York, N. Y. Coffee-granulating mill. No. 1,089,818; Mar. 10; Gaz. vol. 200; p. 440.
- Burns, Robert J., Avon, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Cementing-machine. No. 1,087,272; Feb. 17; Gaz. vol. 199; p. 685.
- Burns, Thomas W., La Crosse, Wis. Label-holder and return-label. No. 1,110,038; Sept. 8; Gaz. vol. 206; p. 459.
- Burnworth, William H. (See Case and Burnworth.)
- Burpee, Frank W., Bellingham, Wash. Cutting and dieing device. No. 1,084,784; Jan. 20; Gaz. vol. 198; p. 567.
- Burpee, Frank W., Bellingham, Wash. Cutting and dieing device. No. 1,084,785; Jan. 20; Gaz. vol. 198; p. 568.
- Burpee, Frank W., Bellingham, Wash. Coating-machine. No. 1,099,840; June 9; Gaz. vol. 203; p. 545.
- Burpee, Frank W., Bellingham, Wash. Conveyer. No. 1,110,480; Sept. 15; Gaz. vol. 206; p. 658.
- Burpee, Frank W. and J. H., Bellingham, Wash.; said J. H. Burpee assignor to said Frank W. Burpee. Receptacle-forming machine. No. 1,099,839; June 9; Gaz. vol. 203; p. 545.
- Burpee, John H. (See Burpee, Frank W. and J. H.)
- Burr, Franklin H., Atlantic, Iowa. Mechanism of a mail-crane in use by railways. No. 1,099,162; June 9; Gaz. vol. 203; p. 314.
- Burr, Howard B., assignor, by mesne assignments, to Chase Mfg. Co., Mason City, Iowa. Internal-combustion engine. No. 1,087,273; Feb. 17; Gaz. vol. 199; p. 685.
- Burrall, Arthur. (See Versluis, August J., assignor.)
- Burrell, Ernest L., Chicago, Ill. Material for belting, &c. No. 1,116,237; Nov. 3; Gaz. vol. 208; p. 263.
- Burrell, Loomis, assignor to D. H. Burrell & Company, Little Falls, N. Y. Milking-machine. No. 1,111,562; Sept. 22; Gaz. vol. 206; p. 1076.
- Burrell, Lory W., assignor to A. Angel, Brainerd, Minn. Motor-vehicle. No. 1,112,434; Oct. 6; Gaz. vol. 207; p. 6.
- Burress, Elmer C. (See White, James F., assignor.)
- Burrett, Horace W. (See Taylor, Harry, assignor.)
- Burrier, Charles R. (See Knopf and Burrier.)
- Burris, Elmer J., Little Falls, Minn. Hog-scalders. No. 1,094,525; Apr. 28; Gaz. vol. 201; p. 949.
- Burris, George Z., Delaware, Ohio. Lawn-mower. No. 1,120,789; Dec. 15; Gaz. vol. 209; p. 741.
- Burroughs Adding Machine Company. (See Authier, Joseph L., assignor.)
- Burroughs Adding Machine Company. (See Benner, Russell E., assignor.)
- Burroughs Adding Machine Company. (See Bricken, John, assignor.)
- Burroughs Adding Machine Company. (See Gardner, Clyde E. W., assignor.)
- Burroughs Adding Machine Company. (See Newman, Enos S., assignor.)
- Burroughs Adding Machine Company. (See Peters, Heber C., assignor.)
- Burroughs Adding Machine Company. (See Pike, William H., Jr., assignor.)
- Burroughs Adding Machine Company. (See Putnam, George B., assignor.)
- Burroughs Adding Machine Company. (See Rinsche, Frank C., assignor.)
- Burroughs Adding Machine Company. (See Wing, Roy E., assignor.)
- Burroughs, Eugene W., Norfolk, Va. Electric-motor wrench. No. 1,102,240; July 7; Gaz. vol. 204; p. 7.
- Burrow, Nancy L., Mountain Park, Okla. Cooler. No. 1,104,958; July 28; Gaz. vol. 204; p. 1086.
- Burrowes, Edward T. (See Davis, George H., assignor.)
- Burrowes, Edward T., Portland, Me. Metal fly-screen. No. 1,120,684; Dec. 15; Gaz. vol. 209; p. 704.
- Burrowes, Edward T., Portland, Me. Metal fly-screen. No. 1,120,685; Dec. 15; Gaz. vol. 209; p. 705.
- Burrowes, Edward T., Portland, Me. Metal fly-screen. No. 1,120,686; Dec. 15; Gaz. vol. 209; p. 705.
- Burrowes, Edward T., Portland, Me. Metal fly-screen. No. 1,120,687; Dec. 15; Gaz. vol. 209; p. 705.
- Burrowes, Gilbert C., Toronto, Ontario, Canada. Ash-sifter. No. 1,123,091; Dec. 29; Gaz. vol. 209; p. 1617.
- Burrows, Charles J., Parsons, Kans. Hand-rail column. No. 1,106,279; Aug. 4; Gaz. vol. 205; p. 239.
- Burrows, S. R., et al. (See Symons, Boyle, and Blaind, assignors.) (Reissue.)
- Burru, Flavers. (See Burrus, Webster and F.)
- Burrus, Webster and F., Trenton, Ky. Rail-joint. No. 1,095,623; May 5; Gaz. vol. 202; p. 153.
- Bursch, Gustavus A., Brooklyn, N. Y. Razor-sharpening machine. No. 1,090,197; Mar. 17; Gaz. vol. 200; p. 612.
- Bursley, Henry A. (See Nix, Dowling, and Bursley.)
- Burson Manufacturing Company. (See Rolston, Walter F., assignor.)
- Burt, Charles P., Atlanta, Ga. Fishing-reel. No. 1,095,807; May 5; Gaz. vol. 202; p. 217.
- Burt Manufacturing Company, The. (See Warden, William F., assignor.)
- Burt, William M. (See Williams, Roger, assignor.)
- Burtchett, Harry J., Tacoma, Wash. Umbrella-support. No. 1,096,999; May 19; Gaz. vol. 202; p. 701.
- Burtis, Ira E. (See Kings, Thomas W., assignor.)
- Burtness, Eddie, Orfordville, Wis. Friction-clutch. No. 1,095,808; May 5; Gaz. vol. 202; p. 217.
- Burton, Charles M., and R. Gardner, New York, N. Y. Rotary engine. No. 1,090,021; Mar. 10; Gaz. vol. 200; p. 510.
- Burton, Charles S., Oak Park, Ill. Tracker device for automatic musical instruments. No. 1,087,920; Feb. 24; Gaz. vol. 199; p. 955.
- Burton, Charles S., Oak Park, Ill. Tracker for automatic musical instruments. No. 1,098,881; June 2; Gaz. vol. 203; p. 178.
- Burton, Charles S., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Centrifugal speedometer. No. 1,089,746; Mar. 10; Gaz. vol. 200; p. 415.
- Burton, Charles S., Oak Park, Ill., assignor to E. Tyden, Hastings, Mich. Table-lock. No. 1,098,013; May 26; Gaz. vol. 202; p. 1103.
- Burton, Charles S., Oak Park, Ill., assignor to E. Tyden, Hastings, Mich. Pedal-operated lock for extension-tables. No. 1,113,192; Oct. 13; Gaz. vol. 207; p. 312.
- Burton, Charles W., Vancouver, British Columbia, Canada. Oil-burner. No. 1,105,401; July 28; Gaz. vol. 204; p. 1242.
- Burton, Charles W., assignor of one-half to M. Thomas and O. P. Soule, Salt Lake City, Utah. Fracture apparatus. No. 1,121,795; Dec. 22; Gaz. vol. 209; p. 1127.
- Burton, Charlie L., Billerica, Mass. Fertilizer-distributor. No. 1,120,021; Dec. 8; Gaz. vol. 209; p. 422.
- Burton Company, The. (See Burton, George D., assignor.)
- Burton, George D., assignor to The Burton Company, Boston, Mass. Preparing vegetable fibers. No. 1,115,500; Nov. 3; Gaz. vol. 208; p. 12.
- Burton, George D., assignor to The Burton Company, Boston, Mass. Preparing vegetable fibers. No. 1,116,343; Nov. 3; Gaz. vol. 208; p. 299.
- Burton, George D., assignor to The Burton Company, Boston, Mass. Treating porous and fibrous material. No. 1,123,166; Dec. 29; Gaz. vol. 209; p. 1645.
- Burton, Horace H. (See Clemmer and Burton.)
- Burton, Irwin G., Asbury Park, N. J. Handle-fastening. No. 1,112,258; Sept. 29; Gaz. vol. 206; p. 1354.
- Burton, James A., Covington, Ky. Safety trolley-wheel. No. 1,096,020; May 12; Gaz. vol. 202; p. 324.
- Burton, James M., Long Island City, assignor to Neptune Meter Company, New York, N. Y. Meter. No. 1,088,205; Feb. 24; Gaz. vol. 199; p. 1056.
- Burton, James M., Long Island City, assignor to Neptune Meter Company, New York, N. Y. Water-meter. No. 1,093,571; Apr. 14; Gaz. vol. 201; p. 524.
- Burton, James M., Long Island City, assignor to Neptune Meter Company, New York, N. Y. Water-meter. No. 1,097,212; May 19; Gaz. vol. 202; p. 778.
- Burton, James M., Long Island City, assignor to Neptune Meter Company, New York, N. Y. Water-meter. No. 1,116,008; Nov. 3; Gaz. vol. 208; p. 186.
- Burton, James M., assignor to Neptune Meter Company, New York, N. Y. Water-meter. No. 1,091,481; Mar. 31; Gaz. vol. 200; p. 1125.
- Burton, John H. (See Verstraelen, Michael, assignor.)
- Burton, Joseph H., Kingston, N. Y. Internal-combustion-engine-starting mechanism. No. 1,088,529; Feb. 24; Gaz. vol. 199; p. 1163.
- Burton, Oliver M., Chicago, Ill. Life-raft. No. 1,107,652; Aug. 18; Gaz. vol. 205; p. 817.
- Burton, Ralph H., Somerville, Mass. Check-receiving apparatus. No. 1,091,560; Mar. 31; Gaz. vol. 200; p. 1152.
- Burton, Thomas L., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-beam and hanger-lever. No. 1,097,000; May 19; Gaz. vol. 202; p. 701.
- Burton, Thomas L., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Clasp brake-rigging. No. 1,097,912; May 26; Gaz. vol. 202; p. 1068.
- Burton, Thomas L., Pittsburgh, Pa., assignor, by mesne assignments, to The American Brake Company, St. Louis, Mo. Clasp-brake. No. 1,099,234; June 9; Gaz. vol. 203; p. 340.
- Burton, Thomas L., Pittsburgh, Pa., assignor, by mesne assignments, to The American Brake Company, St. Louis, Mo. Brake-rigging. No. 1,102,208; June 30; Gaz. vol. 203; p. 1510.
- Burton, Warren D. (See McKeen and Burton.)
- Burton, William A., Sheffield, England, assignor to Washington Steel & Ordnance Company, Washington, D. C. Cap for armor-piercing projectiles. No. 1,097,528; May 19; Gaz. vol. 202; p. 886.
- Burton, William H. (See Palmer and Burton.)
- Burton, William M., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Manufacture of gasoline. No. 1,105,961; Aug. 4; Gaz. vol. 205; p. 131.
- Burton, William M., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Producing wax from other hydrocarbons. No. 1,112,113; Sept. 29; Gaz. vol. 206; p. 1302.

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- Burtosky, Alfred, Wyano, Pa. Retaining mechanism for railway-cars. No. 1,112,520; Oct. 6; Gaz. vol. 207; p. 38.
- Bury, George W., Clinton, Ky. Package-binder. No. 1,102,470; July 7; Gaz. vol. 204; p. 87.
- Busby, Harley S., Washington, Iowa. Dipping-wheel. No. 1,102,135; June 30; Gaz. vol. 203; p. 1484.
- Busch, Carl F. W., Bellaire, Ohio. Drop-light attachment. No. 1,103,395; July 14; Gaz. vol. 204; p. 453.
- Busch, David, Washington, D. C. Adjustable baking-ring. No. 1,110,882; Sept. 15; Gaz. vol. 206; p. 800.
- Busch, Edward, assignor to The National Automatic Tool Company, Dayton, Ohio. Bearing for spindles for multiple drills. No. 1,102,471; July 7; Gaz. vol. 204; p. 88.
- Busch, Frederick, Hoboken, N. J. Mouthpiece for musical brass instruments. No. 1,095,188; May 5; Gaz. vol. 202; p. 5.
- Busch, Henry, and W. Schupbach, New York, N. Y. Preparing lithographic stones. No. 1,108,695; Aug. 25; Gaz. vol. 205; p. 1226.
- Busch, Herman F., assignor to Armstrong Cork Company, Pittsburgh, Pa. Cork article and making the same. No. 1,105,060; July 28; Gaz. vol. 204; p. 1121.
- Busch, Herman F., Millvale, assignor to Armstrong Cork Company, Pittsburgh, Pa. Machine for cutting sheets of cork paper. No. 1,122,070; Dec. 22; Gaz. vol. 209; p. 1225.
- Busch, Mary, McArthur, N. D. Pin-guard and ornament. No. 1,115,280; Oct. 27; Gaz. vol. 207; p. 1142.
- Busch, Max O., Newark, N. J. Machine for cooling finished or unfinished cocoa-powder. No. 1,107,028; Aug. 11; Gaz. vol. 205; p. 545.
- Busch, Raymond C. (See Trescott and Busch.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Cochud, Jules, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Reuter, Theodor, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Sulzer, Jakob, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Sulzer, Robert, assignor.)
- Buschmann, Harry C. (See Chase and Buschmann.)
- Buschmann, Theodor E., Chemnitz, assignor to Wanderer Werke vorm. Winkhofer & Jaenicke Akt.-Ges., Schöna, near Chemnitz, Germany. Tabulator for type-writers. No. 1,111,293; Sept. 22; Gaz. vol. 206; p. 983.
- Buse, Fritz, Terra Nova, Lulu Island, British Columbia, Canada. Package-tie. No. 1,088,530; Feb. 24; Gaz. vol. 199; p. 1163.
- Bush, Abraham L., East Orange, N. J. Railway train shed. No. 1,101,783; June 30; Gaz. vol. 203; p. 1358.
- Bush, H. Granville, *et al.* (See Carpenter, George W., assignor.)
- Bush, Henry C., Percilla, Tex. Washboard. No. 1,105,124; July 28; Gaz. vol. 204; p. 1142.
- Bush, John, Jackson, Mich. Dustless ash-sifter. No. 1,085,539; Jan. 27; Gaz. vol. 198; p. 858.
- Bush, Marston W., Willits, Cal. Spring-board. No. 1,090,836; Mar. 24; Gaz. vol. 200; p. 863.
- Bush, Samuel P., Columbus, Ohio. Car-coupling. No. 1,115,168; Oct. 27; Gaz. vol. 207; p. 1103.
- Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Making car-wheels. No. 1,086,137; Feb. 3; Gaz. vol. 199; p. 200.
- Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Making car-wheels. No. 1,086,138; Feb. 3; Gaz. vol. 199; p. 200.
- Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Making car-wheels. No. 1,105,180; July 28; Gaz. vol. 204; p. 1161.
- Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car-truck side frame and journal-box. No. 1,107,890; Aug. 18; Gaz. vol. 205; p. 899.
- Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car-truck side frame. No. 1,110,883; Sept. 15; Gaz. vol. 206; p. 800.
- Bush, William, assignor to M. S. Wright Company, Worcester, Mass. Shuffle-board. No. 1,099,690; June 9; Gaz. vol. 203; p. 498.
- Bushell, Charles S., Beloit, Wis. Resilient heel attachment. No. 1,122,681; Dec. 29; Gaz. vol. 209; p. 1474.
- Bushman, Peter, Algiers, La. Non-refillable bottle. No. 1,116,990; Nov. 10; Gaz. vol. 208; p. 569.
- Bushnell, Oscar P., Belleville, N. J. Hot-plate press for wood veneers. No. 1,121,470; Dec. 15; Gaz. vol. 209; p. 977.
- Busse, Charles F. (See Pelter, Spry, and Busse.)
- Busse, Leopold, Johannesburg, Transvaal, South Africa. Horseshoe. No. 1,122,472; Dec. 29; Gaz. vol. 209; p. 1399.
- Bussey, Allan C., Minneapolis, Minn. Egg-box. No. 1,114,856; Oct. 27; Gaz. vol. 207; p. 991.
- Bussian, Emil T., and H. H. Noble, Cleveland, Ohio. Carbureter. No. 1,085,194; Jan. 27; Gaz. vol. 198; p. 742.
- Buster, William H., and S. Varnell, Kingsland, Ark. Bicycle-fork. No. 1,090,381; Mar. 17; Gaz. vol. 200; p. 677.
- Bustin, John F., Pasadena, Cal. Lawn-sprinkler. No. 1,084,842; Jan. 20; Gaz. vol. 198; p. 587.
- Bustos, Javier L., Santiago de Chile, Chile. Tide-motor. No. 1,105,249; July 28; Gaz. vol. 204; p. 1187.
- Buswell, Eugene, Waterloo, Iowa. Operating mechanism for washing-machines. No. 1,121,610; Dec. 22; Gaz. vol. 209; p. 1062.
- Buswell, Eugene, Waterloo, Iowa. Actuating means for washing-machines. No. 1,121,796; Dec. 22; Gaz. vol. 209; p. 1127.
- Busz, Stanislas D., Moscow, Russia, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,090,597; Mar. 17; Gaz. vol. 200; p. 753.
- Buszin, Frank B. (See Diers, George H., assignor.)
- Butchart, William A., Denver, Colo. Concentrator. No. 1,111,992; Sept. 29; Gaz. vol. 206; p. 1261.
- Butcher, James M., assignor to C. R. Street, Chicago, Ill. Mouse-trap. No. 1,085,970; Feb. 3; Gaz. vol. 199; p. 139.
- Butcher, Joseph, Brooklyn, N. Y. Feed mechanism for moving-picture machines. No. 1,104,873; July 28; Gaz. vol. 204; p. 1057.
- Butcher, Joseph, Brooklyn, N. Y. Moving-picture apparatus. No. 1,114,730; Oct. 27; Gaz. vol. 207; p. 946.
- Butkus, John A. (See Butkus, Joseph and J. A.)
- Butkus, John A., Baltimore, Md. Safety appliance for elevators. No. 1,084,726; Jan. 20; Gaz. vol. 198; p. 547.
- Butkus, Joseph, Chicago, Ill., and J. A. Butkus, Baltimore, Md. Manufacturing bottle-caps. No. 1,091,626; Mar. 31; Gaz. vol. 200; p. 1175.
- Butler, Alfred J., Charlestown, Mass. Cattle-stanchion. No. 1,095,703; May 5; Gaz. vol. 202; p. 181.
- Butler, Alice H., Evanston, Ill. Wig or head-piece for dolls and the like and making the same. No. 1,090,193; Mar. 17; Gaz. vol. 200; p. 613.
- Butler, Charles A., Okmulgee, Okla. Deep-well-drilling tool. No. 1,116,794; Nov. 10; Gaz. vol. 208; p. 501.
- Butler, Charles H., Oakland, Cal. Street-sweeping trailer. No. 1,110,531; Sept. 15; Gaz. vol. 206; p. 675.
- Butler, Charles H., and M. P. Miller, Denver, Colo. Eyeshade. No. 1,109,398; Sept. 1; Gaz. vol. 206; p. 193.
- Butler, Clinton C., Waterloo, Iowa. Starting device for internal-combustion engines. No. 1,107,407; Aug. 18; Gaz. vol. 205; p. 729.
- Butler, Cooley, New York, N. Y. Suspension-roof. No. 1,109,399; Sept. 1; Gaz. vol. 206; p. 193.
- Butler, Donald H., El Reno, Okla. Draft-generator. No. 1,121,471; Dec. 15; Gaz. vol. 209; p. 978.
- Butler, Edwin M., Los Angeles, Cal. Resilient vehicle-wheel. No. 1,095,956; May 5; Gaz. vol. 202; p. 265.
- Butler, Frank A., Everett, assignor to No-Match Gas-lighter Company, Boston, Mass. Self-lighting burner. No. 1,088,320; Feb. 24; Gaz. vol. 199; p. 1094.
- Butler, George F., Niagara Falls, N. Y., assignor to American Ozone Company. System for ozonizing liquids. No. 1,089,108; Mar. 3; Gaz. vol. 200; p. 149.
- Butler, Harry J., San Jose, Cal. Ladder-truck. No. 1,113,100; Oct. 6; Gaz. vol. 207; p. 236.
- Butler, Harry J., and L. P. Casper, Louisville, Ky. Spark-plug. No. 1,116,238; Nov. 3; Gaz. vol. 208; p. 263.
- Butler, James. (See Thorpe, Arthur C., assignor.)
- Butler, John P., Haverhill, Mass. Pipe-coupling. No. 1,090,970; Mar. 24; Gaz. vol. 200; p. 909.
- Butler, Joseph F., assignor to W. W. Johnson, Gordon, Tex. Gate. No. 1,095,378; May 5; Gaz. vol. 202; p. 70.
- Butler, Louis, Houston, Tex. Oil-burner. No. 1,085,195; Jan. 27; Gaz. vol. 198; p. 742.
- Butler, Luella G. (See Curtis, Frederic A., assignor.)
- Butler, Ossie H., Chicago, Ill. Paring-knife. No. 1,110,884; Sept. 15; Gaz. vol. 206; p. 800.
- Butler, Paul, Lowell, Mass. Braiding-machine. No. 1,091,805; Mar. 31; Gaz. vol. 200; p. 1238.
- Butler, Paul, Lowell, Mass. Cartridge-shell. No. 1,118,887; Nov. 24; Gaz. vol. 208; p. 1310.
- Butler, Paul, Lowell, Mass. Cartridge-shell. No. 1,118,888; Nov. 24; Gaz. vol. 208; p. 1311.
- Butler, Robert D., Yarmouth, Nova Scotia, Canada. Sliding hinge for engine-hoods. No. 1,100,216; June 16; Gaz. vol. 203; p. 715.
- Butler, Robert H., La Crosse, Wis. Copy-holder. No. 1,111,004; Sept. 22; Gaz. vol. 206; p. 884.
- Butler, Thomas T., Noblesville, Ind. Process and means for coating paper with carbon. No. 1,122,473; Dec. 29; Gaz. vol. 209; p. 1399.
- Butler, Wesley, Hillsboro, assignor of one-half to J. C. Crabtree, Taylorville, Ill. Invalid crane. No. 1,094,117; Apr. 21; Gaz. vol. 201; p. 752.
- Butler, William F., Pendleton, Ind. Flexible shafting. No. 1,119,572; Dec. 1; Gaz. vol. 209; p. 232.
- Butler, William M., Syracuse, N. Y. Sectional boiler. No. 1,089,747; Mar. 10; Gaz. vol. 200; p. 416.
- Butt, Frederic W., Brooklyn, assignor of two-thirds to C. S. Hawley, Albany, N. Y. Deflector for heat-radiators. No. 1,098,224; May 26; Gaz. vol. 202; p. 1174.
- Butte, Charles F. (See Butte, Paul C. and C. F.)
- Butte, Paul C. and C. F., San Francisco, Cal. Remote switch control for electrical circuits. No. 1,095,491; May 5; Gaz. vol. 202; p. 110.
- Butterfield, George F., West Newton, Mass. Composite sole and soling material. No. 1,116,009; Nov. 3; Gaz. vol. 208; p. 186.

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- Butterfield, George F., assignor to G. I. Butterfield, Cambridge, Mass. Shoe-sole vulcanizing and applying apparatus. No. 1,111,436; Sept. 22; Gaz. vol. 206; p. 1032.
- Butterfield, George F., assignor to G. I. Butterfield, West Newton, Mass. Composite boot and shoe. No. 1,111,437; Sept. 22; Gaz. vol. 206; p. 1032.
- Butterfield, Grace I. (See Butterfield, George F., assignor.)
- Butterfield, John C., London, England, assignor to E. A. Paterson, Port Arthur, Ontario, Canada. Treatment of sewage and the like. No. 1,122,474; Dec. 29; Gaz. vol. 209; p. 1399.
- Butters, Charles, Oakland, Cal. Precipitation of metals from cyanid solutions. No. 1,092,765; Apr. 7; Gaz. vol. 201; p. 220.
- Butters, Charles, Oakland, Cal. Apparatus for filtering slimes. No. 1,100,217; June 16; Gaz. vol. 203; p. 715.
- Butters, Charles, Oakland, Cal. Apparatus for filtering slimes. No. 1,100,218; June 16; Gaz. vol. 203; p. 715.
- Butters, Charles, Oakland, Cal. Apparatus for filtering slimes. No. 1,100,219; June 16; Gaz. vol. 203; p. 716.
- Butters, Charles, Oakland, Cal. Apparatus for use in filtering slimes. No. 1,100,220; June 16; Gaz. vol. 203; p. 716.
- Butters, Charles, Oakland, Cal. Filtering slimes. No. 1,100,221; June 16; Gaz. vol. 203; p. 716.
- Butters, Charles, Oakland, Cal. Apparatus for filtering slimes. No. 1,100,222; June 16; Gaz. vol. 203; p. 716.
- Butters, Charles, Oakland, Cal. Filtering slimes. No. 1,100,223; June 16; Gaz. vol. 203; p. 717.
- Butters, Charles, London, England. Recovery of gold and silver from refractory ores. No. 1,103,346; July 14; Gaz. vol. 204; p. 439.
- Butters Patent Vacuum Filter Company. (See Burgess, Newton A., assignor.)
- Butters Patent Vacuum Filter Company, The. (See Shepherd, George W., assignor.)
- Butters Patent Vacuum Filter Company. (See Stedman, William A., assignor.)
- Butterworth, Charles F., *et al.* (See Fuller, Eugene, assignor.)
- Butterworth, Enoch B., Ottawa, Ontario, Canada. Combination article of furniture. No. 1,094,526; Apr. 28; Gaz. vol. 201; p. 949.
- Butterworth, Samuel, Everett, Mass., assignor of one-half to C. W. Aiken, Brooklyn, N. Y. Clothes-drier. No. 1,109,279; Sept. 1; Gaz. vol. 206; p. 150.
- Buttler, William, Indianapolis, Ind. Glass refrigerator. No. 1,122,852; Dec. 29; Gaz. vol. 209; p. 1534.
- Buttles, Augustus H., Milwaukee, Wis. Shoe construction. No. 1,115,651; Nov. 3; Gaz. vol. 208; p. 63.
- Buttner, Hans, Buffalo, N. Y. Igniter. No. 1,083,272; Jan. 6; Gaz. vol. 198; p. 4.
- Buttner, Joseph, Baltimore, Md. Aeroplane. No. 1,104,624; July 21; Gaz. vol. 204; p. 921.
- Button, Charles R., Worcester, Mass. Grinder. No. 1,087,527; Feb. 17; Gaz. vol. 199; p. 774.
- Button, Ernest G., and F. M. Huntoon, Riverside, Cal. Orchard-heater. No. 1,091,731; Mar. 31; Gaz. vol. 200; p. 1211.
- Button, Marvin. (See Nevins, Robinson C., assignor.)
- Button, William N., assignor of one-half to T. McCarthy, Bristol, R. I. Shoe-buckle. No. 1,097,296; May 19; Gaz. vol. 202; p. 807.
- Button, William S., Riverside, Cal. Ice-skate. No. 1,111,246; Sept. 22; Gaz. vol. 206; p. 968.
- Butts, Carter J., Boston, Mass. Automobile-tire. No. 1,083,798; Jan. 6; Gaz. vol. 198; p. 177.
- Butts, Charles W., Sag Harbor, assignor to Joseph Fahys & Company, New York, N. Y. Watchcase bow and pendant. No. 1,084,253; Jan. 13; Gaz. vol. 198; p. 361.
- Butts, Daniel G., New Orleans, La. Faucet-hole cover. No. 1,107,490; Aug. 18; Gaz. vol. 205; p. 759.
- Butts, Edward P., Springfield, Mass. Drying paper. No. 1,094,195; Apr. 21; Gaz. vol. 201; p. 779.
- Butts, Edward P., Springfield, Mass. Beating and refining engine. No. 1,122,682; Dec. 29; Gaz. vol. 209; p. 1474.
- Butts, John W., Atlanta, Ga. Water system and pump control. No. 1,097,529; May 19; Gaz. vol. 202; p. 886.
- Butts, Joseph F., Washington, D. C. Caster. No. 1,097,610; May 26; Gaz. vol. 202; p. 957.
- Butts, Milan E., Colorado Springs, Colo. Produce-shipping case. No. 1,119,805; Dec. 8; Gaz. vol. 209; p. 346.
- Butts, Millard, New York, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,099,486; June 9; Gaz. vol. 203; p. 426.
- Butts, Thompson R., Stockton, Cal. Water-meter. No. 1,113,600; Oct. 13; Gaz. vol. 207; p. 453.
- Butz, Frederick. (See Poeth, Max, assignor.)
- Butz, Halley, Albion, Ind. Switch-plug lock. No. 1,116,561; Nov. 10; Gaz. vol. 208; p. 418.
- Butz, Walter D., Norristown, Pa., assignor to Paramount Knitting Company, Chicago, Ill. Rib-knitting machine. No. 1,120,444; Dec. 8; Gaz. vol. 209; p. 572.
- Buxbaum, Karl, Philadelphia, Pa. Combined belt separator and tightener. No. 1,099,691; June 9; Gaz. vol. 203; p. 498.
- Buxbaum, William K. (See Goetz, Buxbaum, and Parsons.)
- Buxton, Francis E., Dayton, Ohio. Adjustable journal-box. No. 1,109,642; Sept. 1; Gaz. vol. 206; p. 276.
- Buys, Earle R. (See Biddle and Buys.)
- Buys, George L., Brooklyn, N. Y. Game apparatus. No. 1,101,250; June 23; Gaz. vol. 203; p. 1125.
- Buzard, James O., and N. Peterson, assignors of one-third to J. D. Meenach, Seattle, Wash. Opener for condensed-milk cans and the like. No. 1,118,329; Nov. 24; Gaz. vol. 208; p. 1117.
- Buzby, Augustus C. (See Organ, Thomas O., assignor.)
- Byce, Lyman C., Petaluma, Cal. Incubator. No. 1,110,532; Sept. 15; Gaz. vol. 206; p. 675.
- Byerly, William A. (See Gibbs, James E., assignor.)
- Byers, Jacob J., Chicago, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Brake-beam fulcrum. No. 1,098,425; June 2; Gaz. vol. 203; p. 24.
- Byers, Wilford J. W., Atoka, Okla. Dry closet. No. 1,103,260; July 14; Gaz. vol. 204; p. 409.
- Byington, Frank S., Los Angeles, Cal. Tire. No. 1,085,376; Jan. 27; Gaz. vol. 198; p. 806.
- Byler, Jonathan, Seattle, Wash. Combined lawn-sprinkler and nozzle. No. 1,084,843; Jan. 20; Gaz. vol. 198; p. 587.
- Bylger, Frans I. L., New York, N. Y. Rotary engine. No. 1,091,806; Mar. 31; Gaz. vol. 200; p. 1239.
- Byram, David R., Tupper Lake, N. Y. Gas-engine. No. 1,099,016; June 2; Gaz. vol. 203; p. 222.
- Byrd, Britton E., Durham, N. C. Receptacle for travelers. No. 1,111,946; Sept. 29; Gaz. vol. 206; p. 1247.
- Byrd, Britton E., assignor of J. S. Carr, Durham, N. C. Vending-machine. No. 1,099,017; June 2; Gaz. vol. 203; p. 222.
- Byrd, John M., Hazlehurst, Ga. Turpentine-cup. No. 1,121,472; Dec. 15; Gaz. vol. 209; p. 978.
- Byrd, Oscar O., St. Louis, Mo., assignor of one-half to S. F. Whittaker, Prescott, Ariz. Insole. No. 1,118,736; Nov. 24; Gaz. vol. 208; p. 1261.
- Byrider, William A. (See Long, John R., assignor.)
- Byrne, James J., Buffalo, N. Y. Starting device. No. 1,094,056; Apr. 21; Gaz. vol. 201; p. 732.
- Byrne, John, East Liverpool, Ohio. Railway-tie and fastener. No. 1,092,335; Apr. 7; Gaz. vol. 201; p. 73.
- Byrnes, Alice S., administratrix. (See Byrnes, Eugene A.)
- Byrnes, Clarence P., Edgeworth, Pa. Reversing-valve. No. 1,089,690; Mar. 10; Gaz. vol. 200; p. 397.
- Byrnes, Eugene A., *et al.* (See Ramage, Alexander S., assignor.)
- Byrnes, Eugene A., deceased, Washington, D. C.; A. S. Byrnes, administratrix. Electrolytic process of and apparatus for producing compounds. No. 1,102,209; June 30; Gaz. vol. 203; p. 1511.
- Byrnes, John F., assignor of forty-five one-hundredths to R. Coleman and ten one-hundredths to F. M. McAuliffe, San Francisco, Cal. Vehicle service-indicator. No. 1,090,382; Mar. 17; Gaz. vol. 200; p. 677.
- Byrnes, Thomas F., Emporia, Kans. Strap for shoes. No. 1,109,107; Sept. 1; Gaz. vol. 206; p. 88.
- Byrnes & Townsend. (See Ramage, Alexander S., assignor.)
- Byron, Clayborne, and A. Armstrong, Rialto, Cal. Orchard-heater. No. 1,098,708; June 2; Gaz. vol. 203; p. 120.
- Byron Jackson Iron Works. (See Holst, John, assignor.)
- Byron Jackson Iron Works. (See Paulsmeier, Albert C., assignor.)
- Byron, Joseph J., Chicago, Ill. Dump-wagon. No. 1,087,723; Feb. 17; Gaz. vol. 199; p. 844.
- Byrum, Eli, Canton, Ill. Pipe. No. 1,119,573; Dec. 1; Gaz. vol. 209; p. 233.
- Bystrom, John, assignor of one-half to G. W. Kuehl, Chicago, Ill. Nut-lock. No. 1,116,350; Nov. 3; Gaz. vol. 208; p. 301.
- C. Cowles & Co. (See Gates, Louis W., assignor.)
- C. Dewitt Lukens Surgical Manufacturing Company. (See Lukens, Clarence D., assignor.)
- C. Howard Hunt Pen Company. (See George, John F., assignor.)
- C. Mattison Machine Works. (See Clemons, De Laski T., assignor.)
- C. Mattison Machine Works. (See Reed, Victor J., assignor.)
- C. Schmidt Company, The. (See Stallman, Granville H., assignor.)
- C. A. Cook Company. (See Kilberg and Johnson, assignors.)
- C. A. Eaton Company. (See Eaton, Charles C., assignor.)
- C. B. Cottrell and Sons Company. (See Barber, Howard M., assignor.) (Reissue.)
- C. B. Cottrell & Sons Company. (See Greenway, Richard J., Jr., assignor.)
- C. B. Cottrell & Sons Company. (See McKee, Milton A., assignor.)
- C. & C. Electric & Manufacturing Company. (See Bolcourt, Barent J., assignor.)
- C. & C. Electric & Manufacturing Company. (See Eskholme, John W., assignor.)
- C. & C. Electric & Manufacturing Company. (See Siebenmorgen, William, assignor.)

Alphabetical list of patentees—Continued.

- C. F. Massey Company. (See Massey, Charles F., assignor.)
- C. F. Pease Company, The. (See Pease, Charles F., assignor.)
- C. F. Pease Company, The. (See Pease and Green, assignors.)
- C. G. Davis Company. (See Davis, Cleveland G., assignor.)
- C. G. Sargent's Sons Corporation. (See Cilley, Osborn H., assignor.)
- C. G. Sargent's Sons Corporation. (See Furbush, Frank L., assignor.)
- C. G. Sargent's Sons Corporation. (See Sargent, Frederick G., assignor.)
- C. H. Wheeler Manufacturing Company. (See Broadhurst and Pratt, assignors.)
- C. J. Fox Company, The. (See Fox and Scott, assignors.)
- C. M. Hall Lamp Company. (See Anklam, William F., assignor.)
- C. M. Hall Lamp Company. (See Hall, Charles M., assignor.)
- C. W. Raymond Company, The. (See Brannock and Morgal, assignors.)
- C. W. Raymond Company, The. (See Morgal, John F., assignor.)
- C. W. Raymond Company, The. (See Raymond and Mumma, assignors.)
- Cabelinsky, Julius L., Roxbury, Mass. Wearing-apparel. No. 1,097,530; May 19; Gaz. vol. 202; p. 886.
- Cable, Cornelius, Elkhart, Ind. Smoke-eliminator. No. 1,120,129; Dec. 8; Gaz. vol. 209; p. 459.
- Cable Excavator Company, The. (See Hadsel, Alvah D., assignor.)
- Cable, Robert B., Jr., Ridgewood, N. J. Supporting-bracket. No. 1,094,977; Apr. 28; Gaz. vol. 201; p. 1110.
- Cabot, Samuel, Canton, Mass. Varnish composition for cement floors. No. 1,094,118; Apr. 21; Gaz. vol. 201; p. 753.
- Cabot, Sewall, Brookline, Mass. Röntgen-ray apparatus. No. 1,095,379; May 5; Gaz. vol. 202; p. 70.
- Cabot, Sewall, Brookline, Mass. Electrical conversion system. No. 1,112,435; Oct. 6; Gaz. vol. 207; p. 6.
- Cabot, Sewall, Brookline, Mass. Electric conversion. No. 1,112,436; Oct. 6; Gaz. vol. 207; p. 7.
- Caccamise, Antoni, *et al.* (See Forto, Patrick, assignor.)
- Cachin, Jean F., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine. No. 1,092,091; Mar. 31; Gaz. vol. 200; p. 1335.
- Cade, Baylus, Shelby, N. C. Line composing and casting machine. No. 1,084,395; Jan. 13; Gaz. vol. 198; p. 406.
- Cade, Robert S., assignor of one-half to A. E. Jackson, Canton, Ohio. Shoe-repairing machine. No. 1,103,347; July 14; Gaz. vol. 204; p. 439.
- Cadeau, Pacific. (See Carrau, Edward, assignor.)
- Cadell, John F., Baltimore, Md., assignor, by mesne assignments, to E. B. Clement, Washington, D. C. Contact-point. No. 1,105,399; July 28; Gaz. vol. 204; p. 1242.
- Cadenas, Florence L., New York, N. Y. Wearing-apparel. No. 1,093,032; Apr. 14; Gaz. vol. 201; p. 345.
- Cadenel, Louis. (See Leduc, Louis L., assignor.)
- Cadman, Addi B. (See Warner and Cadman.)
- Cadwallader, Lewis T., and H. E. Anthony, Los Angeles, Cal. Protective covering for orchards. No. 1,106,624; Aug. 11; Gaz. vol. 205; p. 408.
- Cadwell, William H., New Britain, Conn. Combined bottle-cap and extractor. No. 1,092,519; Apr. 7; Gaz. vol. 201; p. 137.
- Cady, Egbert S., Cedarville, Mich. Implement designed for marking circles. No. 1,115,390; Oct. 27; Gaz. vol. 207; p. 1177.
- Cady, Joel E., Jr., National Military Home, Kans. Button cleaner and polisher. No. 1,085,321; Jan. 27; Gaz. vol. 198; p. 787.
- Cady, Walter G., Middletown, Conn. Wire-connector. No. 1,093,972; Apr. 21; Gaz. vol. 201; p. 703.
- Caesar, Samuel, Chippewa Falls, Wis. Metallic piston-rod packing. No. 1,085,377; Jan. 27; Gaz. vol. 198; p. 806.
- Caffall, Edward M., Sparkill, N. Y. Protection of steel. No. 1,098,368; June 2; Gaz. vol. 203; p. 4.
- Caffe, Michel P. (See Billings and Caffe.)
- Cafferty, Anthony, Mahanoy City, Pa. Sounding-wheel toy. No. 1,103,030; July 14; Gaz. vol. 204; p. 328.
- Cagney, James E. (See McClatchey, Augustus F., assignor.)
- Cagney, James E., Jr. (See Bohlman, Ernest A., assignor.)
- Cahen, Alfred, assignor to The Cahen Manufacturing Company, Cleveland, Ohio. Machine for applying fly-leaves or the like to signatures of books. No. 1,114,962; Oct. 27; Gaz. vol. 207; p. 1029.
- Cahen Manufacturing Company, The. (See Cahen, Alfred, assignor.)
- Cahill, Arthur T., *et al.*, trustees. (See Cahill, Thaddeus, assignor.)
- Cahill, George F., *et al.*, trustees. (See Cahill, Thaddeus, assignor.)
- Cahill, John J. (See Mills and Cahill.)
- Cahill, Thaddeus, New York, N. Y. Type-writing machine. No. 1,097,789; May 26; Gaz. vol. 202; p. 1024.
- Cahill, Thaddeus, Washington, D. C., assignor to E. Spear, E. H. Jackson, and G. F. A. T., and T. Cahill, trustees. Music-generating and music-distributing apparatus. No. 1,107,261; Aug. 18; Gaz. vol. 205; p. 677.
- Cahill, Thomas J., Patterson, Cal. Wall construction. No. 1,100,531; June 16; Gaz. vol. 203; p. 822.
- Cahill, William A., Syracuse, N. Y. Carbureter. No. 1,084,693; Jan. 20; Gaz. vol. 198; p. 536.
- Cahn, Albert S., and J. W. Johnson, Kansas City, Mo. Antiskidding device. No. 1,118,102; Nov. 24; Gaz. vol. 208; p. 1039.
- Cahn, Sidney B., Chicago, Ill. Combination form and hanger for coats, &c. No. 1,115,169; Oct. 27; Gaz. vol. 207; p. 1104.
- Cahoon, William T. (See Kunitz, Hannibal A., assignor.)
- Cahusac, Clarence N., assignor to Western Electric Company, New York, N. Y. Interrupting device. No. 1,114,225; Oct. 20; Gaz. vol. 207; p. 717.
- Caille, Adolph A., Detroit, Mich. Scale. No. 1,090,598; Mar. 17; Gaz. vol. 200; p. 753.
- Caille, Auguste A., Detroit, Mich. Outboard motor-support. No. 1,100,954; June 23; Gaz. vol. 203; p. 1023.
- Caille, Auguste A., Detroit, Mich. Foldable rudder. No. 1,107,408; Aug. 18; Gaz. vol. 205; p. 730.
- Cain, Albert H., Roodhouse, Ill. Hose-banding tool. No. 1,093,910; Apr. 21; Gaz. vol. 201; p. 684.
- Cain, Benham, Chicago, Ill. Heel-cushion. No. 1,107,894; Aug. 18; Gaz. vol. 205; p. 899.
- Cain, Jesse S., Grand Rapids, Mich. Harvester for beans and the like. No. 1,093,108; Apr. 14; Gaz. vol. 201; p. 372.
- Cain, Mary M. (See Breckenfeld and Cain.)
- Cain, Michael H., Indianapolis, Ind. Wheel rim and tire. No. 1,091,807; Mar. 31; Gaz. vol. 200; p. 1239.
- Cain, Thomas F., Montgomery City, and W. A. Skinner, Moberly, Mo. Dump ash-pan for locomotives. No. 1,106,544; Aug. 11; Gaz. vol. 205; p. 379.
- Caine, Ansel M., assignor to McDermott Surgical Instrument Co., Ltd., New Orleans, La. Apparatus for administering anesthetics. No. 1,094,301; Apr. 21; Gaz. vol. 201; p. 812.
- Caine, William P., assignor of one-half to Shook & Fletcher, Birmingham, Ala. Feed-water heater. No. 1,107,409; Aug. 18; Gaz. vol. 205; p. 731.
- Caines, Richard J. R., Boston, Mass. Exercising apparatus. No. 1,112,114; Sept. 29; Gaz. vol. 206; p. 1302.
- Cairns, John, Walsall, England. Tire. No. 1,091,287; Mar. 24; Gaz. vol. 200; p. 1018.
- Cairns, Joseph W. (See Cairns, Robert and J. W.)
- Cairns, Robert and J. W., Watertown, Wis. Coin-delivery machine. No. 1,104,405; July 21; Gaz. vol. 204; p. 845.
- Cairns, Thomas, Holmfeld, Manitoba, Canada. Pump. No. 1,098,558; June 2; Gaz. vol. 203; p. 71.
- Cake, John C., Chester, Pa. Pedal-operator. No. 1,084,876; Jan. 20; Gaz. vol. 198; p. 598.
- Cake, John C., Chester, Pa. Pedal-operator. No. 1,085,108; Jan. 27; Gaz. vol. 198; p. 712.
- Calafat y León, Juan, Madrid, Spain. Apparatus for ascertaining the degree of purity of air. No. 1,101,400; June 23; Gaz. vol. 203; p. 1175.
- Calandra, Dominick, Long Island City, N. Y. Drying-frame. No. 1,101,995; June 30; Gaz. vol. 203; p. 1434.
- Calaway, Leonard H., assignor of one-half to A. J. Sargent, Junction, Utah. Punching-machine. No. 1,084,533; Jan. 13; Gaz. vol. 198; p. 450.
- Calculagraph Company. (See Abbott, Henry, assignor.)
- Calcutt, Reginald B. (See Urie, George M., assignor.)
- Calcutt, Reginald B., Chicago, Ill. Tire for vehicles. No. 1,100,712; June 23; Gaz. vol. 203; p. 938.
- Calcutt, Reginald B., Chicago, Ill. Tire for vehicles. No. 1,104,774; July 28; Gaz. vol. 204; p. 1022.
- Caldani, Ernesto, Milan, Italy. Bed-heater. No. 1,086,992; Feb. 10; Gaz. vol. 199; p. 537.
- Calderwood, Benjamin C., Valley Falls, R. I., assignor to Price-Campbell Cotton Picker Corporation, New York, N. Y. Card-clothed roll. No. 1,084,786; Jan. 20; Gaz. vol. 198; p. 568.
- Calderwood, Benjamin C., Valley Falls, R. I., assignor to Price-Campbell Cotton Picker Corporation, New York, N. Y. Locking-ring for retaining picking-fingers. No. 1,093,973; Apr. 21; Gaz. vol. 201; p. 703.
- Caldognetto, Alejandro, Buenos Aires, Argentina. Crushing and grinding mill. No. 1,088,876; Mar. 3; Gaz. vol. 200; p. 70.
- Caldwell, Clarence A., Jacobsburg, Ohio. Guard for rail-frogs. No. 1,083,799; Jan. 6; Gaz. vol. 198; p. 177.
- Caldwell, George W., Philadelphia, Pa. Vapor-cabinet appliance for bath-tubs. No. 1,089,819; Mar. 10; Gaz. vol. 200; p. 440.
- Caldwell, Harold L. (See Caldwell, Samuel and H. L.)
- Caldwell, James S., Kansas City, Mo. Spiked shoe. No. 1,087,212; Feb. 17; Gaz. vol. 199; p. 663.
- Caldwell, John, New York, N. Y. Pneumatic device for the running-gears of vehicles. No. 1,120,275; Dec. 8; Gaz. vol. 209; p. 511.
- Caldwell, John O., Jr., assignor of one-half to J. O. Caldwell, Sr., Boston, Mass. Flexible foot-rest. No. 1,113,601; Oct. 13; Gaz. vol. 207; p. 458.

Alphabetical list of patentees—Continued.

- Caldwell Manufacturing Company. (See Falvey and Caldwell, assignors.)
- Caldwell, Paul, Pittsburgh, Pa., assignor to General Electric Company. Motor-starting device. No. 1,098,780; June 2; Gaz. vol. 203; p. 143.
- Caldwell, Robert L., assignor of one-half to H. I. French, Trinity, Tex. Folding coop. No. 1,096,412; May 12; Gaz. vol. 202; p. 458.
- Caldwell, Robson D. (See Falvey and Caldwell.)
- Caldwell, Samuel, assignor of one-fourth to B. F. Johnson and one-sixteenth to W. A. Towns, Oakland, Cal. Wave-actuated air-compressor. No. 1,085,242; Jan. 27; Gaz. vol. 198; p. 759.
- Caldwell, Samuel and H. L., Columbus, Ohio. Screened crib or bed. No. 1,096,221; May 12; Gaz. vol. 202; p. 392.
- Caldwell, Thomas, Pittsburgh, Pa. Wrench. No. 1,107,029; Aug. 11; Gaz. vol. 205; p. 546.
- Caldwell, Thomas F., Richmond, Victoria, Australia. Quick-firing machine-gun. No. 1,090,124; Mar. 10; Gaz. vol. 200; p. 546.
- Caldwell, William M., assignor of one-half to B. A. Rusco, Los Angeles, Cal. Fly-paper holder. No. 1,087,921; Feb. 24; Gaz. vol. 199; p. 955.
- Caldwell, William W., Fall River, Mass., assignor to The American Thread Company, New York, N. Y. Spinning-machine. No. 1,122,231; Dec. 22; Gaz. vol. 209; p. 1278.
- Calef, Harry G., Haverhill, Mass. Making shoes. No. 1,110,885; Sept. 15; Gaz. vol. 206; p. 800.
- Caler, Francis M., Inglewood, Cal. Game apparatus. No. 1,103,865; July 14; Gaz. vol. 204; p. 618.
- Calfee, Andrew J., Leadvale, Tenn. Rail-joint. No. 1,104,406; July 21; Gaz. vol. 204; p. 845.
- Calhane, Daniel F., Worcester, Mass. Electric crucible-furnace. No. 1,091,808; Mar. 31; Gaz. vol. 200; p. 1240.
- Calhoun, Appleton M., Columbus, Ga. Railway-switch. No. 1,110,997; Sept. 15; Gaz. vol. 206; p. 837.
- Calhoun, Daniel M., Clarks, La. Aeroplane. No. 1,087,724; Feb. 17; Gaz. vol. 199; p. 845.
- Calhoun, John W., Connellsville, Pa. Water-meter system. No. 1,103,655; July 14; Gaz. vol. 204; p. 548.
- Calhoun, Washington L., Tarrytown, Ga. Cotton-chopper. No. 1,102,868; July 7; Gaz. vol. 204; p. 225.
- Calhoun, William W., New Orleans, La. Sanitary plumbing-fixture. No. 1,102,136; June 30; Gaz. vol. 203; p. 1484.
- Calhoun, William W., New Orleans, La. Apparatus for destroying insects. No. 1,112,259; Sept. 29; Gaz. vol. 206; p. 1354.
- Calico Printers' Association Limited. (See Fourneaux, Emile A., assignor.)
- California Corrugated Culvert Company. (See Thorsby, Karl J., assignor.)
- California Drug and Chemical Company. (See Snyder, George W., assignor.)
- California Fruit Canners Association. (See Keast, Alfred J., assignor.)
- California Fruit Canners Association. (See Smith, Frank J., assignor.)
- California Fuel Manufacturing Company. (See Humphrey, George C., assignor.)
- California Trading Company. (See Bishop, Norman D., assignor.)
- California Valve and Air Brake Company. (See Neal, Spencer G., assignor.)
- California Valve and Air Brake Company. (See Pierce, Guy C., assignor.)
- Calitri, Salvatore P. L., Rochester, N. Y. Lusterless-garment-pressing iron. No. 1,111,438; Sept. 22; Gaz. vol. 206; p. 1032.
- Calkins, Almon B., Nutley, N. J., assignor of fifty-one one-hundredths to C. A. Tatam, New York, N. Y. Internal-combustion engine. No. 1,098,709; June 2; Gaz. vol. 203; p. 121.
- Calkins, E. C. (See Nix and Dowling, assignors.)
- Calkins, Fred D., and A. C. Johnson, Sunnyvale, Cal. Internal-combustion engine. No. 1,097,166; May 19; Gaz. vol. 202; p. 761.
- Call, Benjamin G. (See Williams, Thomas C., assignor.)
- Call, Osmond, Chesterfield, Idaho. Mowing-machine. No. 1,112,115; Sept. 29; Gaz. vol. 206; p. 1303.
- Callaghan, Andrew J., Jackson, Mich. Valve. No. 1,106,488; Aug. 11; Gaz. vol. 205; p. 358.
- Callahan, Charles J., Attleboro, Mass. Watch-holder for expansible bracelets, &c. No. 1,087,870; Feb. 17; Gaz. vol. 199; p. 891.
- Callahan, Frank E. and J. J., Cleveland, Ohio. Grab-bucket. No. 1,117,549; Nov. 17; Gaz. vol. 208; p. 805.
- Callahan, Jacob D., Jersey Shore, Pa. Train-pipe hanger. No. 1,099,018; June 2; Gaz. vol. 203; p. 223.
- Callahan, James J. (See Callahan, Frank E. and J. J.)
- Callahan, James J., Fort Kent, Me. Cushion device. No. 1,102,570; July 7; Gaz. vol. 204; p. 123.
- Callahan, John M. (See Milner and Callahan.)
- Callahan, Michael, Pittsfield, Mass., assignor to General Electric Company. Resinous composition and making the same. No. 1,091,732; Mar. 31; Gaz. vol. 200; p. 1212.
- Callahan, Michael J., Pittsfield, Mass., assignor to General Electric Company. Resinous composition. No. 1,091,627; Mar. 31; Gaz. vol. 200; p. 1175.
- Callahan, Michael J., Pittsfield, Mass., assignor to General Electric Company. Resinous condensation product. No. 1,091,628; Mar. 31; Gaz. vol. 200; p. 1175.
- Callahan, Michael J., Pittsfield, Mass., assignor to General Electric Company. Condensation products and treating the same. No. 1,108,329; Aug. 25; Gaz. vol. 205; p. 1100.
- Callahan, Michael J., Pittsfield, Mass., assignor to General Electric Company. Resinous condensation products. No. 1,108,330; Aug. 25; Gaz. vol. 205; p. 1101.
- Callahan, Michael J., Pittsfield, Mass., assignor to General Electric Company. Resinous composition. No. 1,108,331; Aug. 25; Gaz. vol. 205; p. 1101.
- Callahan, Michael J., Pittsfield, Mass., assignor to General Electric Company. Resinous composition and making the same. No. 1,108,332; Aug. 25; Gaz. vol. 205; p. 1101.
- Callan, Frank J., Boston, Mass. Quick-acting pipe-vise. No. 1,112,192; Sept. 29; Gaz. vol. 206; p. 1329.
- Callan, John G., Lynn, Mass., assignor to General Electric Company. Flexible coupling. No. 1,091,809; Mar. 31; Gaz. vol. 200; p. 1240.
- Callan, John G., Boston, Mass., assignor to General Electric Company. Governing low-pressure turbines. No. 1,092,972; Apr. 14; Gaz. vol. 201; p. 325.
- Callan, John G., Boston, Mass., assignor to General Electric Company. Centrifugal compressor. No. 1,097,297; May 19; Gaz. vol. 202; p. 808.
- Callan, John G., Boston, Mass., assignor to General Electric Company. Means for preventing surging in centrifugal compressors. No. 1,097,298; May 19; Gaz. vol. 202; p. 808.
- Callanan, William A., Denver, Colo. Calendar-hanger. No. 1,107,262; Aug. 18; Gaz. vol. 205; p. 677.
- Callaway, William, Wichita, Kans. Roosting device for fowls. No. 1,109,612; Sept. 1; Gaz. vol. 206; p. 264.
- Callender, Stephen J., Nanticoke, Pa. Automatic regulator for coal-chutes. No. 1,085,722; Feb. 3; Gaz. vol. 199; p. 50.
- Calleson, Amos. (See Adriance and Calleson.)
- Calleson, Amos, assignor to B. Adriance, Brooklyn, N. Y. Bottle-sealing machine. No. 1,096,527; May 12; Gaz. vol. 202; p. 497.
- Calleson, Frederic P., San Mateo, Cal. Screen-fastening. No. 1,090,099; Mar. 10; Gaz. vol. 200; p. 537.
- Callicotte, Albert A., North Yakima, Wash. Airship. No. 1,092,973; Apr. 14; Gaz. vol. 201; p. 326.
- Callier, Joseph A., Roslyn, Wash. Portable storage-battery case. No. 1,088,531; Feb. 24; Gaz. vol. 199; p. 1163.
- Calligan, A. H. (See Stephens, Charles, assignor.)
- Callison, Minta M., Dewitt, Ill. Sawbuck. No. 1,092,974; Apr. 14; Gaz. vol. 201; p. 326.
- Callow, Cecil B., London, England, assignor to G. A. E. Kohler, Chicago, Ill. Interlock. No. 1,102,318; July 7; Gaz. vol. 204; p. 33.
- Callow, Herschel L. (See Callow, John and H. L.)
- Callow, John and H. L., Liverpool, England. Apparatus for dividing and molding dough and other plastic material. No. 1,088,532; Feb. 24; Gaz. vol. 199; p. 1164.
- Callow, John M., Salt Lake City, Utah, assignor to Metals Recovery Company, Augusta, Me. Ore-concentrating apparatus. No. 1,104,755; July 21; Gaz. vol. 204; p. 966.
- Calloway, Frank S., Fairhaven, Mass. Hose-supporter. No. 1,113,954; Oct. 20; Gaz. vol. 207; p. 621.
- Callsen, Jürgen, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Alkylalkoxymethyl esters of cresotinic acids. No. 1,088,966; Mar. 3; Gaz. vol. 200; p. 101.
- Callsen, Jürgen, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Pharmaceutical compound. No. 1,094,119; Apr. 21; Gaz. vol. 201; p. 753.
- Callsen, Jürgen, Elberfeld, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Diethylacetyliscyanate. No. 1,098,938; June 2; Gaz. vol. 203; p. 198.
- Calmes, Thomas, Merrill, Oreg. Foldable cot. No. 1,096,097; May 12; Gaz. vol. 202; p. 350.
- Calmes, Thomas, Oakland, Cal. Folding couch. No. 1,116,562; Nov. 10; Gaz. vol. 208; p. 418.
- Calmeyn, Joseph C., assignor of one-half to J. Carmichael, Chicago, Ill. Knockdown box. No. 1,099,422; June 9; Gaz. vol. 203; p. 405.
- Caloric Company, The. (See Brown and Murphy, assignors.)
- Caloris Company, The. (See Wild, Günther P., assignor.)
- Calta, James W., Platte, S. D. Sickle-guard-point shield. No. 1,083,662; Jan. 6; Gaz. vol. 198; p. 134.
- Calta, James W., Platte, S. D. Automobile appliance. No. 1,097,167; May 19; Gaz. vol. 202; p. 762.
- Calum, Ole, assignor of one-half to P. Humbert, Jr., New York, N. Y. Aeroplane. No. 1,121,473; Dec. 15; Gaz. vol. 209; p. 978.
- Calvert, Frank W. (See Hamilton and Calvert.)
- Calvert, George, London, England. Apparatus for mixing gases and liquids. No. 1,123,092; Dec. 29; Gaz. vol. 209; p. 1617.
- Calvert, John B., Coalgate, Okla. Lock. No. 1,085,016; Jan. 20; Gaz. vol. 198; p. 644.

Alphabetical list of patentees—Continued.

- Calvert, Robert, and R. Engle, Sullivan, Ind. Fly-escape for window-screens and screen-doors. No. 1,116,991; Nov. 10; Gaz. vol. 208; p. 570.
- Calvin, Janet S., administratrix. (See Calvin, John C.)
- Calvin, John C., deceased, Buffalo, N. Y.; J. S. Calvin, administratrix. Clutch device. No. 1,103,560; July 14; Gaz. vol. 204; p. 510.
- Camánada, Anton, South Forest Grove, Oreg. Bark-stripping tool. No. 1,086,993; Feb. 10; Gaz. vol. 199; p. 537.
- Cambria Spring Company. (See Athons, Joseph H., assignor.)
- Cambria Steel Company. (See Sage, Ralph V., assignor.)
- Camden, Andrew B., assignor of one-half to J. W. George, Idabel, Okla. Fence-post. No. 1,084,727; Jan. 20; Gaz. vol. 198; p. 548.
- Camden Iron Works. (See Blackstead, Anders P., assignor.)
- Camel Company. (See Comee, Joseph F., assignor.)
- Camel Company. (See Jones, Belden D., assignor.)
- Cameragraph Company. (See Fish, Ezra B., assignor.)
- Cameragraph Company, The. (See Schwab, William R., assignor.)
- Cameron, Alexander, Jr., W. F. Hendricks, and H. R. Schlueter, Richmond, Va. Machine for putting tips on cigarettes. No. 1,088,533; Feb. 24; Gaz. vol. 199; p. 1164.
- Cameron, Archibald B., *et al.* (See Walker, William F., assignor.)
- Cameron, Arthur, Chicago, Ill. Safety-razor. No. 1,094,874; Apr. 28; Gaz. vol. 201; p. 1073.
- Cameron, Charles E., Collingswood, N. J., assignor to Lightning Demountable Rim Company, Philadelphia, Pa. Detachable wheel-rim. No. 1,104,874; July 28; Gaz. vol. 204; p. 1057.
- Cameron, Charles E., Philadelphia, Pa., assignor to U. S. Hame Company, Buffalo, N. Y. Hame. No. 1,123,093; Dec. 29; Gaz. vol. 209; p. 1618.
- Cameron, Charles S., Pittsburgh, Pa. Well-packer. No. 1,108,333; Aug. 25; Gaz. vol. 205; p. 1101.
- Cameron, Duncan H., North Sydney, Nova Scotia, Canada. Automatic telegraph system. No. 1,110,376; Sept. 15; Gaz. vol. 206; p. 620.
- Cameron, Everett S., Beverly, Mass. Valve structure for explosive-engines. No. 1,090,599; Mar. 17; Gaz. vol. 200; p. 754.
- Cameron, Ewan, Washington, N. J., assignor to J. R. Taylor, Brooklyn, N. Y. Portable pulley-block crane. No. 1,099,163; June 9; Gaz. vol. 203; p. 314.
- Cameron, Ewan, Washington, N. J., assignor to J. R. Taylor, Brooklyn, N. Y. Truck. No. 1,116,671; Nov. 10; Gaz. vol. 208; p. 459.
- Cameron, Frank, Jr., assignor of one-third to F. Singer, Harrison, Ohio. Stove-polish. No. 1,094,302; Apr. 21; Gaz. vol. 201; p. 813.
- Cameron, Fred C., Chicago, Ill., assignor to Rodger Ballast Car Company. Shaft-rotating means. No. 1,100,352; June 16; Gaz. vol. 203; p. 761.
- Cameron, James A., New York, N. Y. Moving-picture machine. No. 1,088,806; Mar. 3; Gaz. vol. 200; p. 45.
- Cameron, James A., and G. B. Birch, New York, N. Y., assignors to Cameron Machine Company. Slitting-machine. No. 1,116,795; Nov. 10; Gaz. vol. 208; p. 502.
- Cameron, John M., assignor, by mesne assignments, to Cameron Smokeless Boiler Company, Johnson City, Tenn. Boiler-furnace. No. 1,093,911; Apr. 21; Gaz. vol. 201; p. 684.
- Cameron, John W., Chicago, Ill. Rail-joint lock. No. 1,116,239; Nov. 3; Gaz. vol. 208; p. 264.
- Cameron Machine Company. (See Cameron and Birch, assignors.)
- Cameron, Sidney S., St. Paul, Minn. Toe-forming machine. No. 1,114,445; Oct. 20; Gaz. vol. 207; p. 796.
- Cameron Smokeless Boiler Company. (See Cameron, John M., assignor.)
- Cameron, William W., La Crosse, Wis., assignor, by mesne assignments, to Emerson-Brantingham Company, Rockford, Ill. Fertilizer-distributor. No. 1,093,826; Apr. 21; Gaz. vol. 201; p. 656.
- Cameron, William W., La Crosse, Wis., assignor, by mesne assignments, to Emerson-Brantingham Company, Rockford, Ill. Controlling mechanism. No. 1,093,827; Apr. 21; Gaz. vol. 201; p. 656.
- Cameron, William W., assignor to La Crosse Plow Company, La Crosse, Wis. Grain-drill. No. 1,118,918; Dec. 1; Gaz. vol. 209; p. 4.
- Camfield, Earthen H., and C. O. Nielsen, Colorado Springs, Colo. Automobile-puller. No. 1,111,211; Sept. 22; Gaz. vol. 206; p. 956.
- Camm, Charles E., assignor to Associated Engineers Company, Chicago, Ill. Clarifying transparent media. No. 1,117,128; Nov. 10; Gaz. vol. 208; p. 617.
- Camm, Horace O. (See Gage, Harold J., assignor.)
- Camp, George E., Utica, assignor to International Heater Company, New York, N. Y. Grate-bar. No. 1,089,317; Mar. 3; Gaz. vol. 200; p. 219.
- Camp, Harrison J., New Berlin, N. Y. Brake-shoe. No. 1,110,744; Sept. 15; Gaz. vol. 206; p. 750.
- Camp, Key D., assignor to A. J. Lindemann & Hoverson Co., Milwaukee, Wis. Igniter. No. 1,102,241; July 7; Gaz. vol. 204; p. 7.
- Camp, Lee R., Montgomery, Ala., assignor of one-half to W. H. Camp, Atlanta, Ga. Pressure-generator. No. 1,099,019; June 2; Gaz. vol. 203; p. 223.
- Camp, Warner H. (See Camp, Lee R., assignor.)
- Camp, Warner H., Atlanta, Ga. Attachment for linting and delinting machines. No. 1,089,318; Mar. 3; Gaz. vol. 200; p. 219.
- Camp, Warner H., Atlanta, Ga. Internal-combustion engine. No. 1,107,754; Aug. 18; Gaz. vol. 205; p. 852.
- Camp, William M., Pawtucket, R. I. Bottle-stopper. No. 1,111,294; Sept. 22; Gaz. vol. 206; p. 983.
- Campau, Francis D. (See Brochu, Michael, assignor.)
- Campbell, Alexander. (See Neilson and Campbell.)
- Campbell, Alexander, Los Angeles, Cal. Dental handpiece. No. 1,113,752; Oct. 13; Gaz. vol. 207; p. 511.
- Campbell, Alfred G., Sherbrooke, Quebec, Canada. Brake-shoe. No. 1,122,853; Dec. 29; Gaz. vol. 209; p. 1534.
- Campbell, Alonzo C., Asheville, N. C. Coal-washer and ore-concentrator. No. 1,113,876; Oct. 13; Gaz. vol. 207; p. 555.
- Campbell, Andrew J., Washington, D. C., assignor to Mergenthaler Linotype Company. Type or matrices. No. 1,115,170; Oct. 27; Gaz. vol. 207; p. 1104.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump-car. No. 1,085,243; Jan. 27; Gaz. vol. 198; p. 759.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump-door-operating mechanism. No. 1,085,244; Jan. 27; Gaz. vol. 198; p. 759.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump-car. No. 1,117,781; Nov. 17; Gaz. vol. 208; p. 889.
- Campbell, Benjamin G., Oakland, Cal. Closet-valve. No. 1,092,336; Apr. 7; Gaz. vol. 201; p. 74.
- Campbell, Byron D., *et al.* (See Cartwright, Ernest O., assignor.)
- Campbell, Calvin N., Missouri Valley, assignor of one-fourth to P. M. Edwards, Ward, Iowa. Harrow. No. 1,105,022; July 28; Gaz. vol. 204; p. 1107.
- Campbell, Charles A. R., San Antonio, Tex. Bat-roost. No. 1,083,318; Jan. 6; Gaz. vol. 198; p. 20.
- Campbell, Charles H., Chelsea, Mass. Can. No. 1,120,276; Dec. 8; Gaz. vol. 209; p. 511.
- Campbell, Charles H., Chicago, Ill., assignor to American Glue Company, Boston, Mass. Retarder for plaster. No. 1,106,777; Aug. 11; Gaz. vol. 205; p. 461.
- Campbell, Charles H., Chicago, Ill., assignor to American Glue Company, Boston, Mass. Making a retarder for plaster and the like from lime wastage. No. 1,106,778; Aug. 11; Gaz. vol. 205; p. 461.
- Campbell, Charles H., Chicago, Ill., assignor to American Glue Company, Boston, Mass. Converting hair. No. 1,106,779; Aug. 11; Gaz. vol. 205; p. 461.
- Campbell, David B., Butler, Pa. Bull-wheel for oil-well cables. No. 1,099,736; June 9; Gaz. vol. 203; p. 512.
- Campbell, Edward B., assignor to Sta-Tite Packing Ring Company, St. Louis, Mo. Packing-ring. No. 1,087,213; Feb. 17; Gaz. vol. 199; p. 664.
- Campbell, Edward B., assignor to Sta-Tite Packing Ring Company, St. Louis, Mo. Packing-ring. No. 1,120,022; Dec. 8; Gaz. vol. 209; p. 422.
- Campbell, Frank D., Blockhouse, Wash. Rotary pump. No. 1,101,904; June 30; Gaz. vol. 203; p. 1401.
- Campbell, Frank E., New York, N. Y. Ambulance-automobile. No. 1,099,020; June 2; Gaz. vol. 203; p. 223.
- Campbell, Frank L., Chelan, Wash. Shoe-shiner's clamp. No. 1,090,022; Mar. 10; Gaz. vol. 200; p. 511.
- Campbell, George B., White Bear, assignor of one-half to S. J. Joy, St. Paul, Minn. Electric bath-cabinet. No. 1,095,957; May 5; Gaz. vol. 202; p. 265.
- Campbell, George H., Toronto, Ontario, Canada. Preparing flax. No. 1,086,270; Feb. 3; Gaz. vol. 199; p. 242.
- Campbell, George H., Toronto, Ontario, Canada. Preparing flax. No. 1,086,271; Feb. 3; Gaz. vol. 199; p. 242.
- Campbell, George H., Toronto, Ontario, Canada. Preparing flax. No. 1,086,272; Feb. 3; Gaz. vol. 199; p. 242.
- Campbell, George H., Toronto, Ontario, Canada. Preparing flax. No. 1,086,273; Feb. 3; Gaz. vol. 199; p. 242.
- Campbell, George W., assignor, by mesne assignments, to The Perfection Mortise Machine Company, Columbus, Ohio. Mortising-machine. No. 1,085,402; Jan. 27; Gaz. vol. 198; p. 815.
- Campbell, George W., New York, N. Y., assignor, by mesne assignments, to Victor Typewriter Company. Typewriting machine. No. 1,114,226; Oct. 20; Gaz. vol. 207; p. 718.
- Campbell, George W., assignor to Victor Typewriter Company, New York, N. Y. Typewriting machine. No. 1,114,227; Oct. 20; Gaz. vol. 207; p. 718.
- Campbell, Guy E., Gravity, Iowa. Grain-shocker. No. 1,092,092; Mar. 31; Gaz. vol. 200; p. 1335.
- Campbell, Hardy W., Bethany, Nebr. Disk subsurface-packer. No. 1,103,938; July 21; Gaz. vol. 204; p. 685.
- Campbell, Harry A., Denver, Colo. Gage holder and connection. No. 1,108,065; Aug. 18; Gaz. vol. 205; p. 960.
- Campbell, Harry L., Sunrise, Wyo. Shade-attaching device. No. 1,099,021; June 2; Gaz. vol. 203; p. 224.
- Campbell, Herbert R., Paterson, N. J. Bridge-warning indicator. No. 1,098,781; June 2; Gaz. vol. 203; p. 144.

Alphabetical list of patentees—Continued.

- Campbell Industrial Company, The. (See Campbell, Leon J., assignor.)
- Campbell, Irving E., assignor to International Machine Corporation, Richmond, Va. Foot-support for shoe-polishing machines. No. 1,086,023; Feb. 3; Gaz. vol. 199; p. 159.
- Campbell, J. Madison. (See Philbert, Major, assignor.)
- Campbell, J. P. (See Maull, Edward N., assignor.)
- Campbell, James R., Scottsdale, Pa. Refractory material. No. 1,114,446; Oct. 20; Gaz. vol. 207; p. 796.
- Campbell, John, Boyne City, Mich. Bed. No. 1,122,251; Dec. 29; Gaz. vol. 209; p. 1326.
- Campbell, John A., Carbondale, Ill. Lock for automobiles. No. 1,089,319; Mar. 3; Gaz. vol. 200; p. 219.
- Campbell, John D., Newark, and A. J. Martin, Passaic, N. J. Vehicle-wheel. No. 1,085,723; Feb. 3; Gaz. vol. 199; p. 51.
- Campbell, John P., Jacksonville, Fla. Irrigating system. No. 1,111,734; Sept. 29; Gaz. vol. 206; p. 1169.
- Campbell, John T., assignor of one-half to C. G. Keesee, Norfolk, Va. Indicator. No. 1,108,489; Aug. 25; Gaz. vol. 205; p. 1156.
- Campbell, Layard L., New Brighton, N. Y. Photographic-printing frame. No. 1,106,489; Aug. 11; Gaz. vol. 205; p. 359.
- Campbell, Leon J., assignor to The Campbell Industrial Company, Chicago, Ill. Seal for cars and other purposes. No. 1,097,913; May 26; Gaz. vol. 202; p. 1068.
- Campbell, Leon W., assignor to The Standard Engineering Works, Woonsocket, R. I. Expansion-pulley. No. 1,119,746; Dec. 1; Gaz. vol. 209; p. 289.
- Campbell, Malcolm. (See Evans and Campbell.)
- Campbell, Matthew D., Boston, Mass. Fly-trap. No. 1,103,656; July 14; Gaz. vol. 204; p. 548.
- Campbell, Orville S., Oglesby, Ill. Bicycle-frame. No. 1,122,071; Dec. 22; Gaz. vol. 209; p. 1226.
- Campbell, Oscar O. (See Warwick and Campbell.)
- Campbell, Paul T., Greenwich, Conn. Self-starter for automobiles. No. 1,101,833; June 30; Gaz. vol. 203; p. 1376.
- Campbell, Paul T., Bridgeport, Conn. Spark-plug. No. 1,101,834; June 30; Gaz. vol. 203; p. 1376.
- Campbell, Richard, Liverpool, England. Marine-boiler and other furnace. No. 1,090,273; Mar. 17; Gaz. vol. 200; p. 639.
- Campbell, Richard, Liverpool, England. Water-filter. No. 1,093,684; Apr. 21; Gaz. vol. 201; p. 609.
- Campbell, Robert E., Berkeley, Cal. Washing-machine. No. 1,107,653; Aug. 18; Gaz. vol. 205; p. 817.
- Campbell, Robert L., assignor to Hagerstown Shoe & Legging Company, Hagerstown, Md. Legging. No. 1,097,582; May 19; Gaz. vol. 202; p. 904.
- Campbell, Singleton, Abilene, Tex. Plant-protector. No. 1,112,052; Sept. 29; Gaz. vol. 206; p. 1281.
- Campbell, Sterling H. (See Doerr, Charles H., assignor.)
- Campbell, Sterling H., assignor to Railway Devices Company, St. Louis, Mo. Pipe-holder. No. 1,122,854; Dec. 29; Gaz. vol. 209; p. 1535.
- Campbell, Wilfred, Schenectady, N. Y., assignor to General Electric Company. Internal-combustion engine. No. 1,091,629; Mar. 31; Gaz. vol. 200; p. 1176.
- Campbell, William, New York, N. Y., J. H. Hall, High Bridge, N. J., and H. M. Howe, Bedford Station, N. Y., assignors to Taylor-Wharton Iron and Steel Company. Manufacture of manganese steel. No. 1,113,539; Oct. 13; Gaz. vol. 207; p. 438.
- Campbell, William A., Maricopa, Cal. Steering-gear for automobiles. No. 1,084,844; Jan. 20; Gaz. vol. 198; p. 587.
- Campbell, William A., Maricopa, Cal. Pump. No. 1,121,797; Dec. 22; Gaz. vol. 209; p. 1127.
- Campbell, William A., Pittsburgh, Pa. Pitcher-forming attachment for milk-bottles and the like. No. 1,118,395; Nov. 24; Gaz. vol. 208; p. 1141.
- Campbell, William A., Kenton, Ohio. Heating and baking furnace. No. 1,119,806; Dec. 1; Gaz. vol. 209; p. 347.
- Campbell, William E., Detroit, Mich. Fireless cooker. No. 1,092,202; Apr. 7; Gaz. vol. 201; p. 27.
- Campbell, William L., Lincoln, Nebr. Cutting apparatus. No. 1,105,483; July 28; Gaz. vol. 204; p. 1271.
- Campbell, William R., Lancaster, Ohio. Glass-drawing pot. No. 1,101,057; June 23; Gaz. vol. 203; p. 1059.
- Campbell, William R., Lancaster, Ohio. Glass-drawing apparatus. No. 1,122,475; Dec. 29; Gaz. vol. 209; p. 1400.
- Campbell, William R., Lancaster, Ohio. Glass-drawing apparatus. No. 1,122,476; Dec. 29; Gaz. vol. 209; p. 1400.
- Campbell, William R., Lancaster, Ohio. Apparatus for drawing glass cylinders. No. 1,122,477; Dec. 29; Gaz. vol. 209; p. 1400.
- Campbell, Wilson L., assignor, by mesne assignments, to First Trust and Savings Bank, trustee, Chicago, Ill. Automatic telephone-testing system. No. 1,109,960; Sept. 8; Gaz. vol. 206; p. 431.
- Campfield, Edwin M., Richmond, Ind. Conduit. No. 1,092,893; Apr. 14; Gaz. vol. 201; p. 299.
- Campfield, Edwin M., Richmond, Ind. Sectional conduit. No. 1,093,766; Apr. 21; Gaz. vol. 201; p. 634.
- Campodonico, John J., Stockton, Cal. Air-compressing shock-absorber. No. 1,114,857; Oct. 27; Gaz. vol. 207; p. 992.
- Campodonico, John J., Stockton, Cal. Change-speed-transmission gearing. No. 1,120,903; Dec. 15; Gaz. vol. 209; p. 781.
- Camus, Emile F., Detroit, Mich. Socket ratchet-wrench. No. 1,106,545; Aug. 11; Gaz. vol. 205; p. 379.
- Camus, Eugene P., New York, N. Y. Telescope-mounting for firearms. No. 1,117,782; Nov. 17; Gaz. vol. 208; p. 889.
- Canadian American Machinery Company Limited. (See Spiess, Georg, assignor.)
- Canadian Car & Foundry Co. Limited. (See MacFarlane, James S., assignor.)
- Canadian Consolidated Rubber Company. (See Klaehn, John C., assignor.)
- Canadian Gold Car Heating & Lighting Company. (See Ord, Lewis C., assignor.)
- Canadian Independent Telephone Company. (See Hulfish, David S., assignor.)
- Canadian Railway Gate Manufacturing Company, The. (See Filion, Moise, assignor.)
- Canadian Tobacco Utilities Limited. (See Woodcock, William G., Jr., assignor.)
- Canady, Joseph F., Jersey City, N. J. Apparatus for regulating combustion in furnaces. No. 1,102,718; July 7; Gaz. vol. 204; p. 173.
- Canavera, Baptiste F., Nokomis, Ill. Brick-kiln. No. 1,117,783; Nov. 17; Gaz. vol. 208; p. 890.
- Canby, Amos G., assignor to National Can Company, Detroit, Mich. Receptacle-display holder. No. 1,093,033; Apr. 14; Gaz. vol. 201; p. 345.
- Canda, Abeel, Cranford, N. J. Carbureter. No. 1,118,919; Dec. 1; Gaz. vol. 209; p. 5.
- Canda, Charles A., Elizabeth, N. J. Telltale for bottles and the like. No. 1,110,886; Sept. 15; Gaz. vol. 206; p. 801.
- Canda, Ferdinand E., New York, N. Y. Means for forming undercut castings. No. 1,087,435; Feb. 17; Gaz. vol. 199; p. 742.
- Canda, Ferdinand E., New York, N. Y. Grating. No. 1,109,613; Sept. 1; Gaz. vol. 206; p. 264.
- Canda, Ferdinand E., New York, N. Y., assignor to Chrome Steel Works, Chrome, N. J. Producing composite bars. No. 1,107,755; Aug. 18; Gaz. vol. 205; p. 853.
- Candland, Arthur C. (See Holdaway and Candland.)
- Candlish, Thomas C., assignor to A. Kimball Company, New York, N. Y. Pin-ticket. No. 1,116,796; Nov. 10; Gaz. vol. 208; p. 502.
- Cane, Alfred, Oakland, Cal. Resilient wheel. No. 1,112,116; Sept. 29; Gaz. vol. 206; p. 1303.
- Canedy, William E., Benton Harbor, Mich. Belt-fastening. No. 1,097,001; May 19; Gaz. vol. 202; p. 702.
- Caneer, William T. (See Wiggs, Jonathan N., assignor.)
- Canfield, Charles H., Paola, Kans. Acetylene-gas generator. No. 1,107,030; Aug. 11; Gaz. vol. 205; p. 546.
- Canfield, Harry L., Homer, Minn. Lining for tobacco-pipes. No. 1,114,579; Oct. 20; Gaz. vol. 207; p. 842.
- Canfield, James M., Dallas City, Ill. Trestle-bracket. No. 1,116,240; Nov. 3; Gaz. vol. 208; p. 264.
- Canfield, Lewis T., Chicago, Ill. Car-roof. No. 1,084,604; Jan. 20; Gaz. vol. 198; p. 503.
- Canfield, Lewis T., Chicago, Ill. Tank-car. No. 1,106,697; Aug. 11; Gaz. vol. 205; p. 432.
- Canfield, Lewis T., assignor to Union Draft Gear Company, Chicago, Ill. Draft-gear. No. 1,112,767; Oct. 6; Gaz. vol. 207; p. 126.
- Canfield, Timothy P., Columbus, Ohio. Condenser for steam-heating systems. No. 1,115,501; Nov. 3; Gaz. vol. 208; p. 12.
- Cangen, Mark, Brooklyn, N. Y. Buffing device. No. 1,120,023; Dec. 8; Gaz. vol. 209; p. 423.
- Canhac, Georges E., assignor to Societe Anonyme Des Etablissements Delaunay-Belleville, St. Denis, France. Liquid-fuel furnace. No. 1,121,474; Dec. 15; Gaz. vol. 209; p. 979.
- Canion, William G., El Paso, Tex. Aeroplane. No. 1,112,260; Sept. 29; Gaz. vol. 206; p. 1355.
- Canion, William G., El Paso, Tex., assignor to Arizona Automatic Air Association, Bisbee, Ariz. Emergency brake-setting apparatus for elevators. No. 1,095,958; May 5; Gaz. vol. 202; p. 265.
- Canion, William G., El Paso, Tex., assignor to Arizona Automatic Air Association, Bisbee, Ariz. Automatic air-brake for railway-cars. No. 1,099,841; June 9; Gaz. vol. 203; p. 546.
- Canister Company, The. (See Adams, James F., assignor.)
- Canman, Sim, et al. (See Johnstone, Samuel, assignor.)
- Cann, Joseph B., Boston, Mass. Impulse-pump. No. 1,097,531; May 19; Gaz. vol. 202; p. 887.
- Cann, Joseph B., Boston, Mass. Manufacture of fuel-briquets. No. 1,121,325; Dec. 15; Gaz. vol. 209; p. 928.
- Cannan, John J., assignor to Henry Likly & Company, Rochester, N. Y. Hat-supporting device. No. 1,087,158; Feb. 17; Gaz. vol. 199; p. 644.
- Cannes, Elle, New York, N. Y. Pneumatic-tired wheel. No. 1,086,805; Feb. 10; Gaz. vol. 199; p. 474.

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- Cannon, Burrell, Longview, Tex. Apparatus for automatically photographing persons moving along a confined way. No. 1,105,484; July 28; Gaz. vol. 204; p. 1271.
- Cannon, Elmer E., Waukomis, Okla. Corn-topper. No. 1,091,119; Mar. 24; Gaz. vol. 200; p. 961.
- Cannon, Elmer E., Waukomis, Okla. Kafir-corn toppler. No. 1,093,109; Apr. 14; Gaz. vol. 201; p. 373.
- Cannon, George T., Johannesburg, Transvaal, South Africa. Rope-grip or jockey for mechanical haulage and the like. No. 1,092,137; Apr. 7; Gaz. vol. 201; p. 5.
- Cannon, Louis S., Rosemary, N. C., and J. M. Holladay, Holladay, Va., assignors to Rosemary Manufacturing Company, Roanoke Rapids, N. C. Stop-motion for looms. No. 1,099,423; June 9; Gaz. vol. 203; p. 406.
- Cannova, Calogero, Sioux City, Iowa. Railway-crossing signal. No. 1,092,521; Apr. 7; Gaz. vol. 201; p. 138.
- Cannstatter Misch- und Knetmaschinen-Fabrik Cannstatter-Dampf Backefenfabrik Werner & Pfeleiderer. (See Schmidt, Otto, assignor.)
- Cano, Arthur A. (See Cano, Vernon, A. A., and L.)
- Cano, Lewis. (See Cano, Vernon, A. A., and L.)
- Cano, Vernon, A. A., and L., New York, N. Y. Electrical-circuit controller. No. 1,103,657; July 14; Gaz. vol. 204; p. 548.
- Canode, Victor E., Boundbrook, N. J. Pump-cylinder. No. 1,120,998; Dec. 15; Gaz. vol. 209; p. 814.
- Canton Foundry and Machine Company, The. (See Slentz, Albertus O., assignor.)
- Canton, Georges H. M., P. G. Unné, and E. J. J. Salmon, Paris, France. Internal-combustion engine. No. 1,099,424; June 9; Gaz. vol. 203; p. 406.
- Cantoni, Chautems et Compagnie *et al.* (See Cantoni, Chautems, and Degrange, assignors.)
- Cantoni, Humbert, Voghera, Italy, J. Chautems and E. Degrange, assignors to Cantoni, Chautems et Compagnie and E. Degrange, Geneva, Switzerland. Manufacture of cream of tartar. No. 1,103,658; July 14; Gaz. vol. 204; p. 549.
- Cantrell, Edwin B. (See Miller and Cantrell.)
- Cantrell, Edwin B., Oakland, and G. E. Miller, San Francisco, Cal. Power-transmitting mechanism. No. 1,090,383; Mar. 17; Gaz. vol. 200; p. 677.
- Cantrell, Isaac D., Aubrey, Tex. Seed-planter. No. 1,108,180; Aug. 25; Gaz. vol. 205; p. 1030.
- Cantrell, Isaac D., Aubrey, Tex. Seed-chute valve mechanism. No. 1,108,131; Aug. 25; Gaz. vol. 205; p. 1030.
- Canzler, Carl, and R. Samesreuther, Düren, assignors to Autogenwerk Sirius, Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany. Alloy for welding copper and nickel. No. 1,103,482; July 14; Gaz. vol. 204; p. 483.
- Capdevielle, Henry, Washington, D. C. Resilient tire. No. 1,089,044; Mar. 3; Gaz. vol. 200; p. 127.
- Capece, Giovanni, Providence, R. I. Artificial-stone cement. No. 1,103,483; July 14; Gaz. vol. 204; p. 484.
- Capehart, Ida E., New Brighton, Pa. Curtain-fixture. No. 1,102,976; July 7; Gaz. vol. 204; p. 260.
- Capen, Thomas W., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Tube-mill feeder. No. 1,086,024; Feb. 3; Gaz. vol. 199; p. 160.
- Capen, Thomas W., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Gyratory crusher. No. 1,110,887; Sept. 15; Gaz. vol. 206; p. 801.
- Capitain, Johann, Coblenz, Germany. Lock. No. 1,100,417; June 16; Gaz. vol. 203; p. 785.
- Caplan, Eva, Philadelphia, Pa. Garment. No. 1,104,625; July 21; Gaz. vol. 204; p. 922.
- Capobianco, Vincent, New York, N. Y. Non-refillable bottle. No. 1,103,348; July 14; Gaz. vol. 204; p. 439.
- Cappabianco, Luigi, Bridgeport, Conn. Wrench. No. 1,121,229; Dec. 15; Gaz. vol. 209; p. 895.
- Cappelen, Frederick W., Minneapolis, assignor to Decarie Incinerator Company, Hopkins, Minn. Incinerator. No. 1,110,888; Sept. 15; Gaz. vol. 206; p. 801.
- Cappelen, Frederick W., Minneapolis, assignor to Decarie Incinerator Company, Hopkins, Minn. Incinerator. No. 1,110,889; Sept. 15; Gaz. vol. 206; p. 802.
- Cappelen, Frederick W., assignor to Decarie Incinerator Company, Minneapolis, Minn. Incinerator. No. 1,110,890; Sept. 15; Gaz. vol. 206; p. 802.
- Cappell, Benjamin D., Oil City, Pa. Core-making machine. No. 1,119,400; Dec. 1; Gaz. vol. 209; p. 173.
- Capper, Edward C., Dumont, Iowa. Power plant. No. 1,091,188; Mar. 24; Gaz. vol. 200; p. 986.
- Capps, Frank L., assignor to American Graphophone Company, Bridgeport, Conn. Production of disk sound-records. No. 1,107,491; Aug. 18; Gaz. vol. 205; p. 760.
- Capps, Frank L., assignor to American Graphophone Company, Bridgeport, Conn. Mandrel for sound-records. No. 1,119,064; Dec. 1; Gaz. vol. 209; p. 59.
- Capps, Frank L., assignor to American Graphophone Company, Bridgeport, Conn. Ejector mechanism for cylindrical records. No. 1,119,065; Dec. 1; Gaz. vol. 209; p. 59.
- Capps, Guy B. (See Gaylord and Capps.)
- "Captain" Motor Wheel Company Limited. (See Gunstone, Arthur F., assignor.)
- Capwell, Vernon L., Dorranceton, Pa. Engine. No. 1,117,974; Nov. 24; Gaz. vol. 208; p. 993.
- Caracristi, Virginus Z., Albany, N. Y. Apparatus for feeding pulverized fuel. No. 1,118,634; Nov. 24; Gaz. vol. 208; p. 1226.
- Caraway, James M., Longmont, Colo. Trap. No. 1,120,904; Dec. 15; Gaz. vol. 209; p. 782.
- Carbery, James L., Rockhill, S. C. Steam cooking apparatus. No. 1,108,967; Sept. 1; Gaz. vol. 206; p. 38.
- Carbis, Harry J., Freeport, Pa. Check-valve. No. 1,112,117; Sept. 29; Gaz. vol. 206; p. 1303.
- Carbis, Henry J. and S. H., assignors of one-third to T. G. Cornell, Freeport, Pa. Valve. No. 1,120,594; Dec. 8; Gaz. vol. 209; p. 625.
- Carbis, Henry J. and S. H., assignors of one-half to T. G. Cornell, Freeport, Pa. Automatic strainer. No. 1,120,595; Dec. 8; Gaz. vol. 209; p. 625.
- Carbis, Samuel H. (See Carbis, Henry J. and S. H.)
- Carborundum Company, The. (See Allen, Thomas B., as signor.)
- Carborundum Company, The. (See Allen and Coulter, assignors.)
- Carborundum Company, The. (See Clark, Bennett F., assignor.)
- Carborundum Company, The. (See Tone, Frank J., assignor.)
- Card, Frank S. (See Card, William L. and F. S.)
- Card, John F., assignor to Sheffield Car Company, Three Rivers, Mich. Fan. No. 1,100,053; June 16; Gaz. vol. 203; p. 657.
- Card, John W., Clear Lake, Wash. Butt-chain block. No. 1,085,017; Jan. 20; Gaz. vol. 198; p. 645.
- Card, Joseph B., Highland Park, Ill., and F. McArdle, Terre Haute, Ind. Apparatus for treating wooden blocks. No. 1,109,653; Sept. 1; Gaz. vol. 206; p. 280.
- Card Manufacturing Company, The. (See Card, William L. and F. S., assignors.)
- Card, William L. and F. S., assignors to The Card Manufacturing Company, Denver, Colo. Concentrator. No. 1,094,640; Apr. 28; Gaz. vol. 201; p. 990.
- Cardarelli, Pietro, and A. Mercierl, Utica, N. Y. Rail-joint. No. 1,095,809; May 5; Gaz. vol. 202; p. 217.
- Cardell, Ella, Cincinnati, Ohio. Adjustable marker. No. 1,111,212; Sept. 22; Gaz. vol. 206; p. 956.
- Carder, James L., Los Angeles, Cal. Device for preventing frosts in orchards. No. 1,111,993; Sept. 29; Gaz. vol. 206; p. 1261.
- Cardosa, Giovanni, assignor of one-half to N. Spada, Venice, Italy. Propeller for ships. No. 1,086,274; Feb. 3; Gaz. vol. 199; p. 242.
- Cardwell, Addison A., Rye, N. Y. Humidifying means for use in conjunction with heating apparatus. No. 1,117,784; Nov. 17; Gaz. vol. 208; p. 890.
- Cardwell, Addison A., Rye, N. Y. Means for humidifying artificially-heated air. No. 1,117,785; Nov. 17; Gaz. vol. 208; p. 890.
- Cardwell, James R., Chicago, Ill. Wallet. No. 1,088,059; Feb. 24; Gaz. vol. 199; p. 1006.
- Cardwell, James R., assignor to Union Draft Gear Company, Chicago, Ill. Railway-car. No. 1,106,129; Aug. 4; Gaz. vol. 205; p. 192.
- Cardwell Machine Co., The. (See Hunter, Ernest M., assignor.)
- Carence, Thomas, Kansas City, Mo. Pencil-holder. No. 1,102,242; July 7; Gaz. vol. 204; p. 7.
- Carew, Clement J. (See Carlsson, Carl A. V., assignor.)
- Carew, Clement M., Titusville, Pa. Portable invoice-rod. No. 1,089,188; Mar. 3; Gaz. vol. 200; p. 179.
- Carey, Christopher W., and C. S. Leonard, Philadelphia, Pa., assignors to Quaker City Clock Advertising Co. Apparatus for displaying advertising matter. No. 1,097,583; May 19; Gaz. vol. 202; p. 904.
- Carey, Elmer A., Sapulpa, Okla. Spark-arrester. No. 1,100,224; June 16; Gaz. vol. 203; p. 717.
- Carey, Eugene F. A., Missoula, Mont. Electric incubator. No. 1,113,955; Oct. 20; Gaz. vol. 207; p. 621.
- Carey, J. D. (See Ferguson, William S., assignor.)
- Carey, Seth P., Pullman, Nebr. Propelling attachment for motor-vehicles. No. 1,100,119; June 16; Gaz. vol. 203; p. 681.
- Carey, Thomas, and L. Schabloske, Chicago, Ill. Heating mechanism for kilns. No. 1,115,171; Oct. 27; Gaz. vol. 207; p. 1104.
- Carey, Thomas C., assignor to Bloom and Godley Company, Trenton, N. J. Bed-spring. No. 1,122,252; Dec. 29; Gaz. vol. 209; p. 1326.
- Carey, Warren, *et al.* (See Williams, John, assignor.)
- Cargill, Robert G., *et al.* (See Flagstad, Hansen, and Flagstad, assignors.)
- Cargin, George H., Marcus, Iowa. Adjustable brazing-clamp. No. 1,084,130; Jan. 13; Gaz. vol. 198; p. 320.
- Carhart, Herbert A., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,106,924; Aug. 11; Gaz. vol. 205; p. 512.
- Carhartt, Hamilton. (See Kratz, Oscar E., assignor.)
- Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic switch. No. 1,084,396; Jan. 13; Gaz. vol. 198; p. 407.
- Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Control of electrically-operated switches. No. 1,089,820; Mar. 10; Gaz. vol. 200; p. 441.

Alphabetical list of patentees—Continued.

- Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic device. No. 1,091,630; Mar. 31; Gaz. vol. 200; p. 1176.
- Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Electric train distribution. No. 1,105,754; Aug. 4; Gaz. vol. 205; p. 59.
- Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Series-parallel control system. No. 1,110,039; Sept. 8; Gaz. vol. 206; p. 459.
- Cariveau, William E., St. Paul, Minn. Primer and starter. No. 1,101,401; June 23; Gaz. vol. 203; p. 1175.
- Carkhuff, Stacy G., Akron, Ohio. Vehicle-tire. No. 1,093,310; Apr. 14; Gaz. vol. 201; p. 444.
- Carl, John H., Gilroy, Cal. Automatic firearm. No. 1,118,330; Nov. 24; Gaz. vol. 208; p. 1118.
- Carl, John H., Gilroy, Cal. Automatic firearm. No. 1,118,331; Nov. 24; Gaz. vol. 208; p. 1118.
- Carl, Reinhold A., Elgin, Tex. Combination-flue. No. 1,085,889; Feb. 3; Gaz. vol. 199; p. 110.
- Carle, Robert G., Woonsocket, R. I. Tension device for spinning-frames. No. 1,106,280; Aug. 4; Gaz. vol. 205; p. 239.
- Carleton, Herbert O., New York, and E. W. Nelson, New Rochelle, N. Y. Shutter for motion-picture machines. No. 1,119,924; Dec. 8; Gaz. vol. 209; p. 388.
- Carleton, Jerry, and A. L. De Long, Sioux Falls, S. D. Cleaning device. No. 1,112,193; Sept. 29; Gaz. vol. 206; p. 1330.
- Carleton, Oscar M., assignor of one-half to S. W. Bennett, Somerville, Mass. Envelop-feeding device. No. 1,116,992; Nov. 10; Gaz. vol. 208; p. 570.
- Carleton, William E., Goshen Junction, Cal. Oil-burner. No. 1,090,683; Mar. 17; Gaz. vol. 200; p. 781.
- Carley, Carrie E., Winchester, Kans. Stamp and envelop moistener. No. 1,084,605; Jan. 20; Gaz. vol. 198; p. 503.
- Carlin, Arvid F., New York, N. Y. Actuating mechanism for mechanical fans. No. 1,116,563; Nov. 10; Gaz. vol. 208; p. 419.
- Carlin Calculator Co. (See Malcher, Otto, assignor.)
- Carlisle, Thomas S., Ocean City, N. J. Iron plane. No. 1,089,189; Mar. 3; Gaz. vol. 200; p. 179.
- Carlitz, Joseph S., assignor to Reno Manufacturing Company, Philadelphia, Pa. Sealing-ring. No. 1,095,810; May 5; Gaz. vol. 202; p. 218.
- Carlson, Alfred. (See Wallin, Joseph, assignor.)
- Carlson, Auger C., Butler, Pa. Intercommunicating telegraph or telephone device. No. 1,105,485; July 28; Gaz. vol. 204; p. 1271.
- Carlson, Carl J., Chicago, Ill., J. and E. Lindberg, Kane, Pa. Sled. No. 1,111,005; Sept. 22; Gaz. vol. 206; p. 884.
- Carlson, Carl M., Owatonna, Minn. Indicator for rotary churns. No. 1,086,438; Feb. 10; Gaz. vol. 199; p. 345.
- Carlson, Carl U., Quincy, Mass. Pocket-knife. No. 1,120,277; Dec. 8; Gaz. vol. 209; p. 512.
- Carlson, Charles F. (See Altgelt and Carlson.)
- Carlson, Charles F., assignor to Oliver Chilled Plow Works, South Bend, Ind. Attachment for plows. No. 1,097,299; May 19; Gaz. vol. 202; p. 809.
- Carlson, Charles F., assignor to Oliver Chilled Plow Works, South Bend, Ind. Rear-wheel attachment for plows. No. 1,116,010; Nov. 3; Gaz. vol. 208; p. 187.
- Carlson, Edvard, assignor to Jamestown Window Screen Company, Jamestown, N. Y. Sheet-metal sash and door. (Reissue.) No. 13,720; Apr. 28; Gaz. vol. 201; p. 1181.
- Carlson, Erik J., Brooklyn, N. Y. Scaffold. No. 1,094,875; Apr. 28; Gaz. vol. 201; p. 1073.
- Carlson, Frank A. (See Greenleaf, Rupert L., assignor.)
- Carlson, Frederick E., assignor to Landers, Frary & Clark, New Britain, Conn. Electrically-heated device. No. 1,105,962; Aug. 4; Gaz. vol. 205; p. 131.
- Carlson, Frederick E., assignor to Landers, Frary & Clark, New Britain, Conn. Support and spacer for vacuum-bottles. No. 1,116,993; Nov. 10; Gaz. vol. 208; p. 571.
- Carlson, Frederick J., Chicago, Ill. Trap-nest. No. 1,085,663; Feb. 3; Gaz. vol. 199; p. 29.
- Carlson, Frederick W., Helena, Mont. Sanitary wash-basin. No. 1,089,320; Mar. 3; Gaz. vol. 200; p. 220.
- Carlson, Frituff, Cadillac, Mich. Bag-tie. No. 1,091,288; Mar. 24; Gaz. vol. 200; p. 1018.
- Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Pipe-hanger. No. 1,106,078; Aug. 4; Gaz. vol. 205; p. 172.
- Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Machine for truing and the like. No. 1,106,079; Aug. 4; Gaz. vol. 205; p. 172.
- Carlson, Hjalmar G., assignor to Rockford Sprinkler Company of Massachusetts, Worcester, Mass. Nut. No. 1,116,241; Nov. 3; Gaz. vol. 208; p. 264.
- Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Union-grinding machine. No. 1,120,278; Dec. 8; Gaz. vol. 209; p. 512.
- Carlson, John, Portland, Oreg. Mortising-machine. No. 1,096,599; May 12; Gaz. vol. 202; p. 521.
- Carlson, John F., Des Moines, Iowa. Combination level and plumb. No. 1,084,606; Jan. 20; Gaz. vol. 198; p. 504.
- Carlson, John F., Des Moines, Iowa. Stencil-rack. No. 1,102,243; July 7; Gaz. vol. 204; p. 8.
- Carlson, John G. (See Watson and Carlson.)
- Carlson, Oscar B., Mänsbo, Avesta, assignor to O. F. Carlson, Stockholm, Sweden. Manufacturing combustibles for explosives. No. 1,122,072; Dec. 22; Gaz. vol. 209; p. 1226.
- Carlson, Oscar F. (See Carlson, Oscar B., assignor.)
- Carlson, Peter, Providence, R. I. Screen. No. 1,097,300; May 19; Gaz. vol. 202; p. 809.
- Carlson, Rudolph G., Huntley, Nebr. Door-lock. No. 1,111,135; Sept. 22; Gaz. vol. 206; p. 929.
- Carlson, Samuel, Elk Point, S. D. Seed-corn tester. No. 1,088,534; Feb. 24; Gaz. vol. 199; p. 1164.
- Carlson, Samuel, Elk Point, S. D. Rack. No. 1,088,535; Feb. 24; Gaz. vol. 199; p. 1165.
- Carlson, Thure, Moline, Ill. Crib-bed. No. 1,094,303; Apr. 21; Gaz. vol. 201; p. 813.
- Carlson, Walter C., Milwaukee, Wis. Confectionery-box. No. 1,104,344; July 21; Gaz. vol. 204; p. 824.
- Carlson, Walter C., Milwaukee, Wis., assignor to Stokes & Smith Company, Summerdale, Philadelphia, Pa. Thumb-hole-cutting machine. No. 1,117,321; Nov. 17; Gaz. vol. 208; p. 726.
- Carlsson, Carl A. V., Washington, D. C., assignor of one-fourth to C. J. Carew, Franklin, Pa. Refrigerating apparatus. No. 1,117,786; Nov. 17; Gaz. vol. 208; p. 891.
- Carlstrom, Knut S., Waltham, Mass. Safety attachment for watch-springs. No. 1,091,561; Mar. 31; Gaz. vol. 200; p. 1153.
- Carlton, Alen J., Fellows, Cal. Transmission mechanism. No. 1,097,532; May 19; Gaz. vol. 202; p. 887.
- Carlton, Alen J., Fellows, Cal. Differential driving mechanism. No. 1,117,787; Nov. 17; Gaz. vol. 208; p. 891.
- Carlton, Cortland, Iola, Kans. Time-cooker. No. 1,118,471; Nov. 24; Gaz. vol. 208; p. 1169.
- Carlton, Samuel W., London, England. Internal-combustion engine. No. 1,091,289; Mar. 24; Gaz. vol. 200; p. 1019.
- Carman, Alvin O., Tekonsha, Mich. Vacuum-cleaner. No. 1,119,747; Dec. 1; Gaz. vol. 209; p. 289.
- Carman, Alvin O., Tekonsha, Mich. Pump for vacuum-cleaners. No. 1,119,748; Dec. 1; Gaz. vol. 209; p. 289.
- Carman, Charles L., Riverside, Cal. Ball-mill. No. 1,085,109; Jan. 27; Gaz. vol. 198; p. 712.
- Carman, Edwin S. (See Atwater and Carman.)
- Carman, Jason R., Seattle, Wash. Fireplace-radiator. No. 1,112,521; Oct. 6; Gaz. vol. 207; p. 38.
- Carman, William, assignor of one-half to A. J. L. Wolf, Ellenville, N. Y. Wrench. No. 1,089,321; Mar. 3; Gaz. vol. 200; p. 220.
- Carmean, Velandia B. (See Buchman, Lawrence E., assignor.)
- Carmer, James R. (See Keagy and Carmer.)
- Carmer, James R., Wilmington, Del., and C. O. Keagy, Philadelphia, Pa. Railway card-holder. No. 1,102,869; July 7; Gaz. vol. 204; p. 226.
- Carmichael, Dwight B. (See Burns, Bartholomew P., assignor.)
- Carmichael, Jacob G., Seattle, Wash. Brush-receptacle. No. 1,110,533; Sept. 15; Gaz. vol. 206; p. 675.
- Carmichael, James. (See Calmeyn, Joseph C., assignor.)
- Carmichael, James W. M., Wellsburg, W. Va. Electric rat-exteriorator. No. 1,110,186; Sept. 8; Gaz. vol. 206; p. 514.
- Carmichael, John, and R. Whipps, North Vancouver, British Columbia, Canada. Device for pulling on shoes. No. 1,116,797; Nov. 10; Gaz. vol. 208; p. 503.
- Carnahan, J. Worth, et al., trustees. (See Paffrath, Theodor H., assignor.)
- Carnahan, John E., Canton, Ohio. Gas-burner. No. 1,105,250; July 28; Gaz. vol. 204; p. 1187.
- Carnahan, John E., Canton, Ohio. Oxidizing steel or iron sheets. No. 1,105,251; July 28; Gaz. vol. 204; p. 1187.
- Carnahan, John E., and A. J. Maskrey, Canton, Ohio. Oxidizing steel or iron sheets. No. 1,115,281; Oct. 27; Gaz. vol. 207; p. 1142.
- Carnahan, Robert B., Jr., assignor to The International Metal Products Co., Middletown, Ohio. Working pure iron. No. 1,090,115; Mar. 10; Gaz. vol. 200; p. 542.
- Carnegie Steel Company. (See Mitchell and Jones, assignors.)
- Carnegie Steel Company. (See Wales, Samuel S., assignor.)
- Carnes, Albert H., assignor of one-half to H. M. Taylor, St. Louis, Mo. Track-sanding apparatus. No. 1,121,710; Dec. 22; Gaz. vol. 209; p. 1098.
- Carnes, John P., Cold Spring, Tex. Nut-removing tool. No. 1,093,252; Apr. 14; Gaz. vol. 201; p. 422.
- Carney, John, Chatsworth, Ill. Attachment for corn-planters. No. 1,116,381; Nov. 10; Gaz. vol. 208; p. 353.
- Carney, Martin J., Chicago, Ill. Combined signaling and telephone system. No. 1,099,338; June 9; Gaz. vol. 203; p. 376.
- Carney, Thomas F., Ilion, N. Y. Collapsible lantern. No. 1,120,024; Dec. 8; Gaz. vol. 209; p. 423.
- Carniol, Josef, Vienna, Austria-Hungary. Purifying raw sugar containing juice. No. 1,095,189; May 5; Gaz. vol. 202; p. 5.

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- Carnochan, John W., and F. H. Damon, Rochester, N. Y. Bean-snipping machine. No. 1,113,307; Oct. 13; Gaz. vol. 207; p. 355.
- Carolina Banding Machine Company. (See Briggs, William C., assignor.)
- Caron, George D., assignor to J. Bodo, Danielson, Conn. Shade-roller bracket. No. 1,105,486; July 28; Gaz. vol. 204; p. 1272.
- Caron, Jacob, Nampa, Idaho. Muffler for automobiles. No. 1,092,017; Mar. 31; Gaz. vol. 200; p. 1308.
- Caroselli, Arnaldo, assignor to Chemische Fabrik Flörsheim, Dr. H. Noerdlinger, Flörsheim-on-the-Main, Germany. Manufacturing caoutchouc-like products. No. 1,086,139; Feb. 3; Gaz. vol. 199; p. 200.
- Carpenter, Alfred A., Sherman, Tex. Safety air-brake appliance. No. 1,090,274; Mar. 17; Gaz. vol. 200; p. 639.
- Carpenter, Allen A., *et al.* (See Johnson, Austin C., assignor.)
- Carpenter, Benjamin F. (See McMane and Carpenter.)
- Carpenter, Benjamin F., Summit, N. J. Extension-ladder with rescue-car. No. 1,106,698; Aug. 11; Gaz. vol. 205; p. 432.
- Carpenter, C. P., trustee. (See Guthrie and Karch, assignors.)
- Carpenter, Caleb A., Gouverneur, N. Y. Ball-player's cleat. No. 1,118,920; Dec. 1; Gaz. vol. 209; p. 5.
- Carpenter, Campbell C., Niagara Falls, assignor to The United States Light & Heating Company, New York, N. Y. Separator for storage-battery plates. No. 1,087,637; Feb. 17; Gaz. vol. 199; p. 814.
- Carpenter, Charles E., New York, and A. J. Horton, White Plains, N. Y., assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Circuit-breaker. No. 1,089,045; Mar. 3; Gaz. vol. 200; p. 127.
- Carpenter, Charles R., assignor to G. Gorton, Racine, Wis. Cutting-off-machine head and the like. No. 1,083,663; Jan. 6; Gaz. vol. 198; p. 134.
- Carpenter, Charles U., Miamisburg, Ohio, assignor to Fire-Proof Furniture and Construction Company, New York, N. Y. Fireproof safe. No. 1,116,382; Nov. 10; Gaz. vol. 208; p. 353.
- Carpenter, Clarence R., Red Cloud, Nebr. Vaporizer. No. 1,098,476; June 2; Gaz. vol. 203; p. 41.
- Carpenter, David. (See McAdams and Robinson, assignors.)
- Carpenter, Edward W., Baltimore, Md. Device for holding ornaments on neckties. No. 1,122,073; Dec. 22; Gaz. vol. 209; p. 1226.
- Carpenter, Eugene, Newton, Mass. Show-case. No. 1,094,120; Apr. 21; Gaz. vol. 201; p. 753.
- Carpenter, Francis W., St. Paul, Minn. Sectional trough. No. 1,110,419; Sept. 15; Gaz. vol. 206; p. 636.
- Carpenter, Frank G., Oak Park, Va. Land-marker for planters. No. 1,097,611; May 26; Gaz. vol. 202; p. 958.
- Carpenter, Fred T., Toledo, Ohio. Flush car-door. No. 1,094,835; Apr. 28; Gaz. vol. 201; p. 1060.
- Carpenter, George W., assignor of one-fourth to J. Carpenter, one-fourth to H. G. Bush, and one-fourth to W. E. Holt, Deming, N. Mex. Thresher. No. 1,112,194; Sept. 29; Gaz. vol. 206; p. 1330.
- Carpenter, Henry A. (See Barnum and Carpenter.)
- Carpenter, Henry A., Sewickley, assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Fluid control mechanism for motors. No. 1,105,061; July 28; Gaz. vol. 204; p. 1121.
- Carpenter, Henry A., and A. W. Warner, Sewickley, assignors to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Closure-locking means for gas-retorts. No. 1,112,977; Oct. 6; Gaz. vol. 207; p. 197.
- Carpenter, Henry A., and A. W. Warner, Sewickley, assignors to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Means for controlling the operation of gas-retorts. No. 1,112,978; Oct. 6; Gaz. vol. 207; p. 197.
- Carpenter, Henry A., Sewickley, Pa., and D. D. Barnum, Worcester, Mass., assignors to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Coal-gas-generating apparatus. No. 1,122,683; Dec. 29; Gaz. vol. 209; p. 1475.
- Carpenter, John, *et al.* (See Carpenter, George W., assignor.)
- Carpenter, John L. (See Miller, John H., assignor.)
- Carpenter, Leroy L., Omro, Wis. Agricutural machine. No. 1,116,011; Nov. 3; Gaz. vol. 203; p. 187.
- Carpenter, Lewis A., and R. Middleton, Revere, Mass. Two-piece pipe-hanger. No. 1,111,360; Sept. 22; Gaz. vol. 206; p. 1006.
- Carpenter, Paul. (See Vissering and Carpenter.)
- Carpenter, Peter J., Jr., Dobbs Ferry, N. Y. Work-bench. No. 1,104,103; July 21; Gaz. vol. 204; p. 741.
- Carpenter, Ralph E., Hartford, Conn. Automobile repair device. No. 1,100,865; June 23; Gaz. vol. 203; p. 990.
- Carpenter, Ralph E., Hartford, Conn. Automobile-brace. No. 1,118,529; Nov. 24; Gaz. vol. 208; p. 1189.
- Carpenter, William P. (See Williams, William W., assignor.)
- Carpentier, George M., New York, N. Y. Producing a photographic reproduction for use in making bas-relief. No. 1,087,725; Feb. 17; Gaz. vol. 199; p. 845.
- Carper, Albert A., assignor to The Crown Cork & Seal Co., Baltimore, Md. Means for bottling gaseous liquids. No. 1,120,596; Dec. 8; Gaz. vol. 209; p. 626.
- Carper, Albert A., assignor to The Crown Cork & Seal Company, Baltimore, Md. Bottle-filling apparatus. No. 1,120,597; Dec. 8; Gaz. vol. 209; p. 626.
- Carper, Kent H., assignor to Richmond Stay-Bolt Drilling Machine Manufacturing Co., Inc., Richmond, Va. Stay-bolt-drilling machine. No. 1,099,425; June 9; Gaz. vol. 203; p. 406.
- Carr, Charles F. (See Webber and Carr.)
- Carr, Frank A., McKeesport, Pa. Adjustable foot-rest. No. 1,091,290; Mar. 24; Gaz. vol. 200; p. 1019.
- Carr, George W., Osceola, Pa. Gate-actuating mechanism for elevators. No. 1,119,682; Dec. 1; Gaz. vol. 209; p. 269.
- Carr, J. S. (See Byrd, Britton E., assignor.)
- Carr, John H. (See Marsh, Howard E., assignor.)
- Carr, John H., Alhambra, Cal. Platform-wheel. No. 1,107,492; Aug. 18; Gaz. vol. 205; p. 760.
- Carr, John H., Alhambra, Cal. Platform-wheel. No. 1,109,400; Sept. 1; Gaz. vol. 206; p. 194.
- Carr, John H., Chelsea, Mass. Trap. No. 1,114,858; Oct. 27; Gaz. vol. 207; p. 992.
- Carr, Laurence, Richmond, Cal. Insole for boots and shoes. No. 1,111,361; Sept. 22; Gaz. vol. 206; p. 1007.
- Carr, Lucian W., Crawfordsville, Ind. Apparatus for aerating and irrigating soil. No. 1,108,334; Aug. 25; Gaz. vol. 205; p. 1101.
- Carr, Oma, Asheville, N. C. Manufacture of sulfite pulp from resinous woods. No. 1,089,691; Mar. 10; Gaz. vol. 200; p. 397.
- Carr, Ora C., Lansing, Mich. Electric low-level signal for tanks. No. 1,095,811; May 5; Gaz. vol. 202; p. 218.
- Carr, F. B., *et al.* (See Penn, Ralph L., assignor.)
- Carr, Quincy. (See Cole and Carr.)
- Carr, Raymond H., and J. C. Maddux, assignors of one-fourth to said Carr, one-half to said Maddux, and one-fourth to A. J. McKelvey, Kingman, Ariz. Shock-absorber. No. 1,102,644; July 7; Gaz. vol. 204; p. 149.
- Carr, Samuel, executor. (See Kraetzer, Edwin J.)
- Carrara, Marie-Louise, Renens, near Lausanne, assignor to Société Anonyme "Le Buste Universel," Lausanne, Switzerland. Body-form. No. 1,092,138; Apr. 7; Gaz. vol. 201; p. 5.
- Carrau, Edward, assignor of one-half to P. Cadeau, Cathlamet, Wash. Railway-brake mechanism. No. 1,119,242; Dec. 1; Gaz. vol. 209; p. 118.
- Carreiro, Angelo, Fall River, Mass. Clearer attachment for vehicles. No. 1,089,322; Mar. 3; Gaz. vol. 200; p. 220.
- Carrel, Leon S. (See Pugsley, William E., assignor.)
- Carrey, John O., St. Louis, Mo. Making gas. No. 1,115,392; Oct. 27; Gaz. vol. 207; p. 1178.
- Carreyn, Charles, Detroit, Mich. Flush-tank. No. 1,102,870; July 7; Gaz. vol. 204; p. 216.
- Carrick, Carl A., Markey, Mich. Revolving divider for mowing-machines. No. 1,112,768; Oct. 6; Gaz. vol. 207; p. 126.
- Carrier, James W. (See Myers and Carrier.)
- Carrier, Willis H., assignor to Buffalo Forge Company, Buffalo, N. Y. Humidifying air and controlling the humidity and temperature thereof. No. 1,085,971; Feb. 3; Gaz. vol. 199; p. 140.
- Carrier, Willis H., assignor to Buffalo Forge Company, Buffalo, N. Y. Apparatus for controlling the humidity and temperature of air. No. 1,095,156; Apr. 28; Gaz. vol. 201; p. 1170.
- Carrier, Willis H., assignor to Buffalo Forge Company, Buffalo, N. Y. System for controlling the humidity and temperature of air. No. 1,101,784; June 30; Gaz. vol. 203; p. 1358.
- Carriere, Adalard J., Putnam, Conn. Automobile-radiator. No. 1,090,023; Mar. 10; Gaz. vol. 200; p. 511.
- Carrigan, James, Afton, Iowa. Fence-post. No. 1,110,109; Sept. 8; Gaz. vol. 206; p. 486.
- Carrigan, John, Seattle, Wash. Door-releasing system. No. 1,111,362; Sept. 22; Gaz. vol. 206; p. 1007.
- Carrigan, Patsy, Bloomington, Ill. Rail connector and brace. No. 1,121,162; Dec. 15; Gaz. vol. 209; p. 874.
- Carrington, Fred W., Burlington, Vt. Envelop-sealing machine. No. 1,120,688; Dec. 15; Gaz. vol. 209; p. 706.
- Carrol, Joseph F., Concord, Nebr. Crate. No. 1,118,738; Nov. 24; Gaz. vol. 208; p. 1261.
- Carroll, Arthur B., assignor to Baumgarten & Co., Baltimore, Md. Toy type-writer. No. 1,119,777; Dec. 1; Gaz. vol. 209; p. 300.
- Carroll, Charles E., Newport, Ark. Tooth-brush. No. 1,091,291; Mar. 24; Gaz. vol. 200; p. 1019.
- Carroll, Charles J., Baltimore, Md. Plate for securing weatherproofing. No. 1,102,871; July 7; Gaz. vol. 204; p. 227.
- Carroll, Clarence W. (See Hodgkinson, Percy W., assignor.)
- Carroll, Cornelius P., Columbia, La. Dispensing and measuring apparatus. No. 1,084,927; Jan. 20; Gaz. vol. 198; p. 614.
- Carroll, David G., assignor of one-half to J. E. Lane, Atlanta, Ga. Sash-weight. No. 1,103,866; July 14; Gaz. vol. 204; p. 619.

Alphabetical list of patentees—Continued.

- Carroll, Edward, Chicago, Ill. Hod-stand. No. 1,101,402; June 23; Gaz. vol. 203; p. 1176.
- Carroll, Elbert H., assignor to Morgan Construction Company, Worcester, Mass. Wire-drawing block. No. 1,085,664; Feb. 3; Gaz. vol. 199; p. 30.
- Carroll, Elbert H., assignor to Morgan Construction Company, Worcester, Mass. Wire-gripping mechanism. No. 1,111,878; Sept. 29; Gaz. vol. 206; p. 1226.
- Carroll, Frank. (See Leigh and Carroll.)
- Carroll, Fred M., assignor, by mesne assignments, to The White Adding Machine Company, New Haven, Conn. Computing and printing machine. No. 1,091,482; Mar. 31; Gaz. vol. 200; p. 1126.
- Carroll, Fred M., New Haven, Conn., assignor, by mesne assignments, to C. L. Sturtevant, trustee, Washington, D. C. Computing-machine. No. 1,098,095; May 26; Gaz. vol. 202; p. 1131.
- Carroll, George G., assignor to Electro Surgical Instrument Company, Rochester, N. Y. Myringoscope. No. 1,106,699; Aug. 11; Gaz. vol. 205; p. 433.
- Carroll, George J. (See Merkel and Carroll.)
- Carroll, George P. (See Roehrich, Frank N., assignor.)
- Carroll, George P., Bridgeport, Conn. Automatic compression refrigerating apparatus. No. 1,118,737; Nov. 24; Gaz. vol. 208; p. 1261.
- Carroll, George P., Bridgeport, Conn., and F. N. Roehrich, Jersey City, N. J.; said Roehrich assignor to said Carroll. Controlling mechanism for refrigerating-machines. No. 1,096,824; May 19; Gaz. vol. 202; p. 639.
- Carroll, George P., Bridgeport, Conn., and F. N. Roehrich, Jersey City, N. J.; said Roehrich assignor to said Carroll. Quick-motion controller. No. 1,096,825; May 19; Gaz. vol. 202; p. 640.
- Carroll, George P., Bridgeport, Conn., and F. N. Roehrich, Jersey City, N. J.; said Roehrich assignor to said Carroll. Automatic condenser. No. 1,115,502; Nov. 3; Gaz. vol. 208; p. 12.
- Carroll, Harry D., Norristown, Pa. Air-brake system. No. 1,122,253; Dec. 29; Gaz. vol. 209; p. 1326.
- Carroll, Ivel R., Milmine, Ill. Cultivator. No. 1,109,661; Sept. 8; Gaz. vol. 206; p. 323.
- Carroll, James E. (See Morris, David J., assignor.)
- Carroll, Joseph, Wigan, England. Pulverizing-tool. No. 1,098,225; May 26; Gaz. vol. 202; p. 1175.
- Carroll, Lewis R., Charlotte, N. C. Wood-molding machine. No. 1,099,692; June 9; Gaz. vol. 203; p. 498.
- Carroll, Morris, New York, N. Y. Tailor's rule. No. 1,090,024; Mar. 10; Gaz. vol. 200; p. 511.
- Carroll, Morris B., Lynn, Mass., assignor to General Electric Company. Governing mechanism. No. 1,120,999; Dec. 15; Gaz. vol. 209; p. 814.
- Carroll, Oscar B., Cameron, Tex. Cotton-chopper. No. 1,095,812; May 5; Gaz. vol. 202; p. 218.
- Carroll, Thomas, Dayton, Ohio. Permutation-lock. No. 1,083,591; Jan. 6; Gaz. vol. 198; p. 109.
- Carroll, Thomas, Dayton, Ohio. Permutation-lock. No. 1,092,474; Apr. 7; Gaz. vol. 201; p. 122.
- Carroll, Thomas, Dayton, Ohio. Permutation-lock. No. 1,113,193; Oct. 13; Gaz. vol. 207; p. 313.
- Carroll, Thomas, assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,092,975; Apr. 14; Gaz. vol. 201; p. 326.
- Carroll, Thomas, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,097,703; May 26; Gaz. vol. 202; p. 991.
- Carroll, Thomas, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,106,490; Aug. 11; Gaz. vol. 205; p. 359.
- Carroll, Thomas, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Calculating-machine. No. 1,118,103; Nov. 24; Gaz. vol. 208; p. 1039.
- Carroll, Thomas, Oakwood, assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,108,968; Sept. 1; Gaz. vol. 206; p. 38.
- Carroll, Walker B. (See Whitmore, Claude C., assignor.)
- Carroll, William G., Beaumont, Tex. Meter. No. 1,093,685; Apr. 21; Gaz. vol. 201; p. 610.
- Carroll, William R., Many, La. Derailement brake appliance. No. 1,089,623; Mar. 10; Gaz. vol. 200; p. 373.
- Carroll, William R., Many, La. Voting-machine. No. 1,098,660; June 2; Gaz. vol. 203; p. 104.
- Carron, Arthur L., New York, N. Y., assignor to Carron & Company, Inc. Glove and mitten form. No. 1,102,224; June 30; Gaz. vol. 203; p. 1517.
- Carron & Company. (See Carron, Arthur L., assignor.)
- Carscadin, Charles A., *et al.* (See Miller, Joseph, assignor.)
- Carscadin, Charles A., and G. A. Woodman, assignors of one-third to R. C. Dudley, Chicago, Ill. Uncoupling device. No. 1,086,025; Feb. 3; Gaz. vol. 199; p. 160.
- Carscadin, Charles A., and G. A. Woodman, assignors of one-third to R. C. Dudley, Chicago, Ill. Uncoupling device. No. 1,110,297; Sept. 8; Gaz. vol. 206; p. 553.
- Carson, Charles T., Seattle, Wash. Salmon-sliming machine. No. 1,109,039; Sept. 1; Gaz. vol. 206; p. 65.
- Carson, Clarence, Detroit, Mich. Horn. No. 1,107,654; Aug. 18; Gaz. vol. 205; p. 817.
- Carson, David J., Buffalo, and J. A. Lanigan, Lancaster, N. Y. Journal-box. No. 1,112,118; Sept. 29; Gaz. vol. 206; p. 1303.
- Carson, Fredrick E., assignor of one-third to J. McEvoy and one-third to W. McEvoy, Richmond, Va. Work-holder. No. 1,089,901; Mar. 10; Gaz. vol. 200; p. 469.
- Carson, Lee L., Chelsea, Okla. Brooder. No. 1,111,947; Sept. 29; Gaz. vol. 206; p. 1247.
- Carson, Oswald B., assignor to American Optical Company, Southbridge, Mass. Goggles. No. 1,113,194; Oct. 13; Gaz. vol. 207; p. 313.
- Carson, West M., Stovall, Miss. Cuspidor attachment for vehicles. No. 1,095,813; May 5; Gaz. vol. 202; p. 219.
- Carson, William E., Riverton, Va. Cementitious product and making same. No. 1,094,876; Apr. 28; Gaz. vol. 201; p. 1073.
- Carson, William E., Riverton, Va. Making a cementitious composition. No. 1,095,180; Apr. 28; Gaz. vol. 201; p. 1180.
- Carstens, Emil, New York, N. Y. Safety attachment for doors. No. 1,105,252; July 28; Gaz. vol. 204; p. 1187.
- Carstensen, R. (See Orr, John W., assignor.)
- Carter, Albert, New York, N. Y., assignor to Carter Metals Cleaning Company. Sand-blast nozzle. No. 1,107,244; Aug. 11; Gaz. vol. 205; p. 623.
- Carter, Albert S., Elizabeth, assignor to National Manufacturing and Steel Supply Company, Newark, N. J. Combined ice pick, shaver, and chipper. No. 1,114,447; Oct. 20; Gaz. vol. 207; p. 796.
- Carter, Alick L., Clyde, Ohio. Internal-combustion motor. No. 1,116,994; Nov. 10; Gaz. vol. 208; p. 571.
- Carter, Alva J., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Party-line ringing-key. No. 1,099,164; June 9; Gaz. vol. 203; p. 315.
- Carter, Andrew J., Victor, Colo. Hammer-drill. No. 1,115,898; Nov. 3; Gaz. vol. 208; p. 147.
- Carter Carbureter Company. (See Carter, William C., assignor.)
- Carter, Chapel S., assignor to The H. C. Cook Company, Ansonia, Conn. Marker or clip. No. 1,103,031; July 14; Gaz. vol. 204; p. 328.
- Carter, Daniel, Toronto, Ontario, Canada. Amusement apparatus. No. 1,086,349; Feb. 10; Gaz. vol. 199; p. 315.
- Carter, Ebenezer U., Russell, Kans. Staple-set. No. 1,119,807; Dec. 8; Gaz. vol. 209; p. 347.
- Carter, Edward D., Dallas, Tex. Automatic weighing-scale. No. 1,100,120; June 16; Gaz. vol. 203; p. 681.
- Carter, Ernest V. (See Densmore, Joseph M., assignor.)
- Carter, Frank M., *et al.* (See Cramer, George E., assignor.)
- Carter, Fred, Letcher, S. D. Rotary engine. No. 1,105,617; Aug. 4; Gaz. vol. 205; p. 10.
- Carter, George, Calgary, Alberta, Canada. Device for raising and lowering windows. No. 1,089,531; Mar. 10; Gaz. vol. 200; p. 343.
- Carter & Hakes Machine Company, The. (See Hakes, Curtis, assignor.)
- Carter, Henry, Kansas City, Mo. Nut-lock. No. 1,091,483; Mar. 31; Gaz. vol. 200; p. 1126.
- Carter, Horace D., Portland, Oreg. Folding bed and folding mechanism. No. 1,108,335; Aug. 25; Gaz. vol. 205; p. 1102.
- Carter, James V., Elliott, S. C. Distributer. No. 1,095,380; May 5; Gaz. vol. 202; p. 70.
- Carter, John B., Cartersville, assignor of one-half to A. Borghi, Herrin, Ill. Mail delivery and receiving apparatus. No. 1,105,181; July 28; Gaz. vol. 204; p. 1161.
- Carter, John F., and C. E. Perkins, assignors to Michigan Auto Joint Company, Grand Rapids, Mich. Universal joint. No. 1,101,996; June 30; Gaz. vol. 203; p. 1435.
- Carter, John H., New Orleans, La. Shower-bath attachment. No. 1,112,261; Sept. 29; Gaz. vol. 206; p. 1355.
- Carter, John M., assignor of one-half to A. C. Henry, Memphis, Tenn. Automatic retainer for air-brakes. (Re-issue.) No. 13,771; July 14; Gaz. vol. 204; p. 640.
- Carter, John P., Kirksey, S. C. Steak-chopper. No. 1,121,475; Dec. 15; Gaz. vol. 209; p. 979.
- Carter, Lillie M., Minneapolis, Minn. Ironing-board. No. 1,083,664; Jan. 6; Gaz. vol. 198; p. 134.
- Carter Metals Cleaning Company. (See Carter, Albert, assignor.)
- Carter, Roy L. (See Zimmermann, John, assignor.)
- Carter, Russell S., Hewlett, assignor to Ingersoll-Rand Company, New York, N. Y. Tunneling-carriage. No. 1,098,014; May 26; Gaz. vol. 202; p. 1104.
- Carter, Samuel C., Los Angeles, Cal. Friction-band clutch. No. 1,099,636; June 9; Gaz. vol. 203; p. 478.
- Carter, Walter T., Los Angeles, Cal. Coaster-brake hub. No. 1,117,975; Nov. 24; Gaz. vol. 208; p. 994.
- Carter, Walter T., Los Angeles, Cal. Coaster-brake. No. 1,118,889; Nov. 24; Gaz. vol. 208; p. 1311.
- Carter, Wayne L., and D. B. Stults, Waverly, Ill. Cultivator. No. 1,112,889; Oct. 6; Gaz. vol. 207; p. 167.
- Carter, Wiley T., Henderson, N. C. Mop-holder. No. 1,106,362; Aug. 11; Gaz. vol. 205; p. 312.
- Carter, William, assignor of one-half to B. F. Meeks Sons, Louisville, Ky. Screw-driver. No. 1,109,040; Sept. 1; Gaz. vol. 206; p. 66.
- Carter, William C., assignor to Carter Carbureter Company, St. Louis, Mo. Internal-combustion engine. No. 1,114,107; Oct. 20; Gaz. vol. 207; p. 675.

Alphabetical list of patentees—Continued.

- Carter, William D., assignor to Bean Spray Pump Co., San Jose, Cal. Centrifugal pump. No. 1,118,739; Nov. 24; Gaz. vol. 208; p. 1262.
- Carter, William H., Sulphur, Okla. Nut-lock. No. 1,094,527; Apr. 28; Gaz. vol. 201; p. 950.
- Carter, William L., Waterloo, Iowa. Chimney-cap. No. 1,088,060; Feb. 24; Gaz. vol. 199; p. 1006.
- Carter, Willson E., Buxton, Iowa. Strap-tightener. No. 1,092,203; Apr. 7; Gaz. vol. 201; p. 27.
- Carteret, William G. S. de Beer, England. Lamp-holder. No. 1,088,008; Feb. 24; Gaz. vol. 199; p. 988.
- Cartmell, Ryall H., Detroit, Mich. Start and stop signal for railway-cars. No. 1,120,025; Dec. 8; Gaz. vol. 209; p. 423.
- Carton, James, Lockman, Iowa. Rail-joint. No. 1,116,672; Nov. 10; Gaz. vol. 208; p. 459.
- Cartwright, Ernest O., Springfield, assignor of one-third to L. K. Fisher, Dayton, and one-third to B. D. Campbell, West Milton, Ohio. Sheet-retarding delivery for printing-machines. No. 1,085,665; Feb. 3; Gaz. vol. 199; p. 30.
- Cartwright, Ira B., Minong, Wis. Foldable umbrella. No. 1,109,736; Sept. 8; Gaz. vol. 206; p. 352.
- Carty, Harry B., Riegelsville, Pa. Hose-supporter. No. 1,087,726; Feb. 17; Gaz. vol. 199; p. 846.
- Caruso, Anthony. (See Miele, Thomas A., assignor.)
- Caruthers, Edgar, Hamshire, Tex. Mowing-machine. No. 1,108,132; Aug. 25; Gaz. vol. 205; p. 1031.
- Carver, Ami, Bandon, Oreg. Road scraper and grader. No. 1,084,534; Jan. 13; Gaz. vol. 198; p. 450.
- Carver Cotton Gin Company. (See McLean, Robert W., assignor.)
- Carver, George W., Charleston, S. C. Mail-box signal. No. 1,102,977; July 7; Gaz. vol. 204; p. 261.
- Carver, John W., Hay Springs, Nebr. Car-door opener. No. 1,083,800; Jan. 6; Gaz. vol. 198; p. 177.
- Carver, Thomas A. B., Glasgow, Scotland. Warp stop-motion for looms. No. 1,101,403; June 23; Gaz. vol. 203; p. 1176.
- Carver, Thomas A. B., assignor to Textile Appliances Limited, Glasgow, Scotland. Jacquard. No. 1,083,801; Jan. 6; Gaz. vol. 198; p. 178.
- Carveth, Hector R., Niagara Falls, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Regenerating air. No. 1,111,055; Sept. 22; Gaz. vol. 206; p. 902.
- Carvill, Clarence, Clinton, Mass. Shipping-crate. No. 1,105,253; July 28; Gaz. vol. 204; p. 1188.
- Cary, Albert A., New York, N. Y. Steam-generator. No. 1,109,041; Sept. 1; Gaz. vol. 206; p. 66.
- Cary-Curr, Henry J., Elmhurst, assignor to E. H. Sargent & Co., Chicago, Ill. Electrical drying-oven. No. 1,083,592; Jan. 6; Gaz. vol. 198; p. 110.
- Cary, Edwin S. (See Gibbs, Earl J., assignor.)
- Cary, Etienne C., Baltimore, Md. Electric heating table or counter. No. 1,084,877; Jan. 20; Gaz. vol. 198; p. 598.
- Cary, George. (See Sommer, Joseph, assignor.)
- Cary, Julia M., Ridgefield, Conn. Producing color effects and the apparatus therefor. No. 1,104,407; July 21; Gaz. vol. 204; p. 845.
- Cary Manufacturing Company. (See Miller, George C. D., assignor.)
- Cary, Spencer C., New York, N. Y. Metallic scraper-mat. No. 1,123,094; Dec. 29; Gaz. vol. 209; p. 1618.
- Cary, William M., Holyoke, Mass. Envelop. No. 1,117,479; Nov. 17; Gaz. vol. 208; p. 781.
- Casa-Calvo, Ernest J., Greenville, Miss. Safety chimney-throat. No. 1,106,491; Aug. 11; Gaz. vol. 205; p. 360.
- Casablanco, Fernando, Sabadell, Spain. Spinning-frame. No. 1,092,631; Apr. 7; Gaz. vol. 201; p. 176.
- Casady, Philip M., Minneapolis, Minn. Pressure-gage. No. 1,116,798; Nov. 10; Gaz. vol. 208; p. 503.
- Casci, Louis A., *et al.* (See Straughan, John W., assignor.)
- Case, Albert W., Highland Park, Conn. Machine for smoothing fiber-board. No. 1,106,492; Aug. 11; Gaz. vol. 205; p. 360.
- Case, Arthur E., Chicago, Ill., assignor to Delta Electric Company, Marion, Ind. Selecting mechanism. No. 1,097,002; May 19; Gaz. vol. 202; p. 702.
- Case, Arthur E., Chicago, Ill., assignor to Delta Electric Company, Marion, Ind. Coin-collector for telephones. No. 1,110,669; Sept. 15; Gaz. vol. 206; p. 725.
- Case, Charles A., New York, N. Y. Panning and concentrating machine. No. 1,090,448; Mar. 17; Gaz. vol. 200; p. 702.
- Case, Daniel M. (See Dougherty, Jones, and Case.)
- Case, Francis M., Cleveland, Ohio. Cleaner. No. 1,094,877; Apr. 28; Gaz. vol. 201; p. 1074.
- Case, Francis M., assignor to J. C. Hub, Cleveland, Ohio. Card-tab structure. No. 1,116,383; Nov. 10; Gaz. vol. 208; p. 353.
- Case, Francis M., assignor to J. C. Hub, Cleveland, Ohio. Guide-card-tab structure. No. 1,116,384; Nov. 10; Gaz. vol. 208; p. 354.
- Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Circuit-breaker connection for electric-railway systems. No. 1,083,726; Jan. 6; Gaz. vol. 198; p. 156.
- Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Selective switch system. No. 1,098,015; May 26; Gaz. vol. 202; p. 1104.
- Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Current-collector. No. 1,098,661; June 2; Gaz. vol. 203; p. 104.
- Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Insulating supporting means. No. 1,101,058; June 23; Gaz. vol. 203; p. 1060.
- Case, Frederick W., and W. H. Burnworth, Columbia City, Ind. Mold. No. 1,106,625; Aug. 11; Gaz. vol. 205; p. 408.
- Case, Henry M., Syracuse, N. Y. Funnel. No. 1,110,670; Sept. 15; Gaz. vol. 206; p. 725.
- Case, Homer W., Poughkeepsie, N. Y. Sifter. No. 1,087,727; Feb. 17; Gaz. vol. 199; p. 846.
- Case, John J., Fort Edward, N. Y. Pulp-grinding stone. No. 1,091,037; Mar. 24; Gaz. vol. 200; p. 933.
- Case, Willis W., Jr., Denver, Colo. Metallurgical-furnace part. No. 1,085,540; Jan. 27; Gaz. vol. 198; p. 858.
- Casebeer, James T., Washington, D. C. Game. No. 1,116,012; Nov. 3; Gaz. vol. 208; p. 187.
- Casella, Secondo L., New York, N. Y. Vacuum cleaning-machine. No. 1,120,130; Dec. 8; Gaz. vol. 209; p. 459.
- Caselon, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,108,969; Sept. 1; Gaz. vol. 206; p. 39.
- Casey, Carl, Washington, D. C. Article-packaging machine. No. 1,108,696; Aug. 25; Gaz. vol. 205; p. 1276.
- Casey, Charles L., Cambridge, Ohio. Covered vessel for cooking and like purposes. No. 1,095,959; May 5; Gaz. vol. 202; p. 266.
- Casey, Francis J., Chicago, Ill. Cultivator-shovel. No. 1,121,711; Dec. 22; Gaz. vol. 209; p. 1099.
- Casey-Hedges Company, The. (See Stimmel, Frederick C., assignor.)
- Casey, John H. (See Tracy, David D., assignor.)
- Casey, Merle. (See Baldwin, Chester L., assignor.)
- Casey, Patrick H., Erin, Wis. Shock-binder. No. 1,117,788; Nov. 17; Gaz. vol. 208; p. 891.
- Casey, Thomas. (See Koski and Casey.)
- Casey, William, and I. Lessees, assignors of one-half to J. J. Harty, Kingston, Ontario, Canada. Magneto. No. 1,098,226; May 26; Gaz. vol. 202; p. 1175.
- Casey, William F. J., and G. Cavin, Kingston, Ontario, Canada. Truck. No. 1,120,131; Dec. 8; Gaz. vol. 209; p. 460.
- Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Mechanism for operating work-supports. No. 1,085,591; Feb. 3; Gaz. vol. 199; p. 5.
- Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Burnishing-machine. No. 1,089,821; Mar. 10; Gaz. vol. 200; p. 441.
- Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Cutting-machine. No. 1,106,363; Aug. 11; Gaz. vol. 205; p. 312.
- Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Work-support. No. 1,108,133; Aug. 25; Gaz. vol. 205; p. 1031.
- Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Impression or imitation stitch machine. No. 1,109,199; Sept. 1; Gaz. vol. 206; p. 122.
- Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Mechanism for operating work-supports. No. 1,112,195; Sept. 29; Gaz. vol. 206; p. 1331.
- Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,115,503; Nov. 3; Gaz. vol. 208; p. 13.
- Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,115,504; Nov. 3; Gaz. vol. 208; p. 13.
- Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Clutch. No. 1,116,385; Nov. 10; Gaz. vol. 208; p. 354.
- Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-support. No. 1,122,240; Dec. 22; Gaz. vol. 209; p. 1281.
- Casgrain, Louis A., Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Nurling-machine. No. 1,092,894; Apr. 14; Gaz. vol. 201; p. 299.
- Casgrain, Louis A., Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,092,895; Apr. 14; Gaz. vol. 201; p. 300.
- Casgrain, Louis A., Beverly, and R. L. Whitman, Hamilton, assignors to Automatic Appliance Company, Boston, Mass. Coin-handling machine. No. 1,099,235; June 9; Gaz. vol. 203; p. 340.
- Casgrain, Louis A., Beverly, and R. L. Whitman, Hamilton, assignors to Automatic Appliance Company, Boston, Mass. Coin-handling machine. No. 1,118,472; Nov. 24; Gaz. vol. 208; p. 1170.
- Cash, Albert, Lewiston, Me. Cloth-cutter's holder. No. 1,115,172; Oct. 27; Gaz. vol. 207; p. 1104.
- Cash, Alfred G., Rochester, N. Y. Indicator. No. 1,108,697; Aug. 25; Gaz. vol. 205; p. 1226.

Alphabetical list of patentees—Continued.

- Cash, Arthur W., assignor to H. Mueller Mfg. Co., Decatur, Ill. Reducing regulating-valve. No. 1,090,384; Mar. 17; Gaz. vol. 200; p. 678.
- Cash, Arthur W., assignor to H. Mueller Mfg. Co., Decatur, Ill. Tapping-machine. No. 1,094,425; Apr. 28; Gaz. vol. 201; p. 913.
- Cash, Ernest W., Hampton Wick, England. Pump. No. 1,085,666; Feb. 3; Gaz. vol. 199; p. 31.
- Cash, Ernest W., Hampton Wick, England. Speed-indicator. No. 1,102,319; July 7; Gaz. vol. 204; p. 34.
- Cash, Zackariah T., Eddyville, Ky. Plow-fender. No. 1,090,025; Mar. 10; Gaz. vol. 200; p. 511.
- Cashel, John A., Worthington, Minn. Interest-computing machine. No. 1,084,254; Jan. 13; Gaz. vol. 198; p. 361.
- Cashman, Patrick, Houstonia, Mo. Apparatus for elevating and conveying invalids. No. 1,098,477; June 2; Gaz. vol. 203; p. 42.
- Caskey, Edgar M., Chicago, Ill., assignor to S. F. Bowser & Co., Inc., Fort Wayne, Ind. Device for controlling oil-burners. No. 1,102,472; July 7; Gaz. vol. 204; p. 88.
- Caskey, Samuel S., assignor to Caskey Valve Company, Philadelphia, Pa. Valve-packing. No. 1,105,254; July 28; Gaz. vol. 204; p. 1188.
- Caskey, Samuel S., assignor to Caskey Valve Company, Philadelphia, Pa. Check-valve. No. 1,105,255; July 28; Gaz. vol. 204; p. 1189.
- Caskey Valve Company. (See Caskey, Samuel S., assignor.)
- Caskey, William J., Des Moines, Iowa. Acetylene-generator. No. 1,107,756; Aug. 18; Gaz. vol. 205; p. 853.
- Casler, Benjamin G. (See Powell and Casler.)
- Casler, Herman, Canastota, N. Y. Stair-carpet holder. No. 1,103,261; July 14; Gaz. vol. 204; p. 410.
- Casler, Herman, Canastota, N. Y. Stair-carpet holder. No. 1,103,262; July 14; Gaz. vol. 204; p. 410.
- Casparis, Sylvio, *et al.* (See Mambourg, Leopold, assignor.)
- Casper, Frank L., Howe Cave, N. Y. Extension-table. No. 1,121,611; Dec. 22; Gaz. vol. 209; p. 1062.
- Casper, John R., Washington, D. C. Shelf-bracket. No. 1,098,227; May 26; Gaz. vol. 202; p. 1175.
- Casper, Louis P. (See Butler and Casper.)
- Casper, William L., Brooklyn, assignor to Western Electric Company, New York, N. Y. Paper condenser. No. 1,116,013; Nov. 3; Gaz. vol. 208; p. 187.
- Caspers, George A. and J., assignors of two-thirds to said George A. Caspers and one-third to S. H. Fuchs, New York, N. Y. Cigarette-box opener. No. 1,105,182; July 28; Gaz. vol. 204; p. 1162.
- Caspers, John. (See Caspers, George A. and J.)
- Caspers, Peter J., Melrose, Minn. Swimming device. No. 1,083,874; Jan. 6; Gaz. vol. 198; p. 200.
- Cassady, Bruce D., *et al.* (See McLellan, Samuel T., assignor.)
- Cassard, Vernon, Stamford, Conn. Apparatus for killing poultry. No. 1,118,635; Nov. 24; Gaz. vol. 208; p. 1226.
- Cassell, Oscar R., New York, N. Y. Bedstead extension. No. 1,105,487; July 28; Gaz. vol. 204; p. 1272.
- Cassell, William W., Vincennes, Ind. Center-mold for ice-cream. No. 1,094,878; Apr. 28; Gaz. vol. 201; p. 1074.
- Cassella Color Company. (See Herz, Richard, assignor.)
- Cassella Color Company. (See Herz and Frohneberg, assignors.)
- Casselman, John B., Oakland, Cal. Railway-signal. No. 1,116,799; Nov. 10; Gaz. vol. 208; p. 503.
- Casselman, Samuel L., near Morrisburg, Ontario, Canada. Wagon-track. No. 1,096,222; May 12; Gaz. vol. 202; p. 392.
- Casserleigh, John H., Denver, Colo. Detachable horseshoe. No. 1,120,279; Dec. 8; Gaz. vol. 209; p. 512.
- Cassidy, Charles J., Chicago, Ill. Electric sign for cash-registers. No. 1,091,810; Mar. 31; Gaz. vol. 200; p. 1240.
- Cassidy, James, A. B. Metcalfe, and S. J. Cassidy, Syracuse, N. Y. Wheel and rail lubricator. No. 1,097,704; May 26; Gaz. vol. 202; p. 992.
- Cassidy, Samuel J. (See Cassidy, Metcalfe, and Cassidy.)
- Cassirer, Alfred, Munich, Germany. Centrifugal drying-machine. No. 1,087,528; Feb. 17; Gaz. vol. 199; p. 774.
- Cassity, William J., Guthrie, Okla. Spirit-level. No. 1,108,134; Aug. 25; Gaz. vol. 205; p. 1032.
- Casson, George D., and F. D. Blakely, Winnipeg, Manitoba, Canada. Internal-combustion engine. No. 1,107,895; Aug. 18; Gaz. vol. 205; p. 900.
- Castanho, Elisiario, Sao Paulo, Brazil. Railway system. No. 1,112,979; Oct. 6; Gaz. vol. 207; p. 198.
- Castel, Maurice, Iron Mountain, Mich. Self-winding clock. No. 1,104,345; July 21; Gaz. vol. 204; p. 824.
- Castelow, Wilbur E., Meriden, Conn. Music-roll. No. 1,091,189; Mar. 24; Gaz. vol. 200; p. 986.
- Castenholz, Bernard, Cologne, assignor to Wiesbadener Staniol- & Metallkapsel-Fabrik A. Flach, Wiesbaden, Germany. Aluminium cartridge-case. No. 1,114,228; Oct. 20; Gaz. vol. 207; p. 719.
- Casteran, Juan G., Buenos Aires, Argentina. Cutting apparatus for sugar-cane. No. 1,116,995; Nov. 10; Gaz. vol. 208; p. 572.
- Castilho, Severiano A. de, Rio Janeiro, Brazil. Ordinance breech mechanism. No. 1,090,449; Mar. 17; Gaz. vol. 200; p. 702.
- Castle, Alfred L., Quincy, Ill. Stove. No. 1,108,336; Aug. 25; Gaz. vol. 205; p. 1102.
- Castle, Alfred L., Quincy, Ill. Stove-door. No. 1,108,698; Aug. 25; Gaz. vol. 205; p. 1227.
- Castle, Frederick W., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing-reel. No. 1,115,282; Oct. 27; Gaz. vol. 207; p. 1142.
- Castle, Marcus L., Malone, N. Y. Firearm. No. 1,091,190; Mar. 24; Gaz. vol. 200; p. 986.
- Castle, Marcus L., Malone, N. Y. Firearm. No. 1,100,054; June 16; Gaz. vol. 203; p. 658.
- Castleberg, Henry. (See Sellar, John L., assignor.)
- Castner Electrolytic Alkali Co. (See Mauran, Max, assignor.)
- Casto, Charles W., assignor of one-half to H. Finkel, Washington, Pa. Box-flap gluing and sealing machine. No. 1,105,256; July 28; Gaz. vol. 204; p. 1189.
- Castona Improved Process Co. (See Castona, John H., assignor.)
- Castona Improved Process Co., The. (See Harper, Walter B., assignor.)
- Castona, John H., Gulfport, Miss. Extracting apparatus. No. 1,092,019; Mar. 31; Gaz. vol. 200; p. 1309.
- Castona, John H., Gulfport, Miss. Extractor. No. 1,098,312; May 26; Gaz. vol. 202; p. 1206.
- Castona, John H., Gulfport, Miss. Extracting turpentine and rosin from wood. No. 1,111,644; Sept. 22; Gaz. vol. 206; p. 1105.
- Castona, John H., Moss Point, assignor to Castona Improved Process Co., Gulfport, Miss. Turpentine and resin extractor. No. 1,083,802; Jan. 6; Gaz. vol. 198; p. 179.
- Castona, John H., Moss Point, assignor to Castona Improved Process Co., Gulfport, Miss. Extractor. No. 1,112,980; Oct. 6; Gaz. vol. 207; p. 198.
- Castona, John H., Laine, assignor to Castona Improved Process Co., Gulfport, Miss. Retort or still. No. 1,092,018; Mar. 31; Gaz. vol. 200; p. 1309.
- Castonguay, Leger J., Harrisburg, Pa. Plug-socket. No. 1,091,562; Mar. 31; Gaz. vol. 200; p. 1153.
- Castor, Lewis D., Binghamton, and A. Kiefer, assignors of one-third to A. Kiefer and two-thirds to Eisler Manufacturing Company, Rochester, N. Y. Labeling-machine. No. 1,106,925; Aug. 11; Gaz. vol. 205; p. 513.
- Castronuovo, Carmelo, New York, N. Y., assignor of one-third to E. Devoto, Price, Utah, and one-third to L. Devoto, West Hoboken, N. J. Drying apparatus. No. 1,088,536; Feb. 24; Gaz. vol. 199; p. 1165.
- Caswell, Andrew A., Los Angeles, Cal. Fish screen or saver or trap. No. 1,115,393; Oct. 27; Gaz. vol. 207; p. 1178.
- Caswell, William A., Chicago, Ill., assignor, by mesne assignments, to National Dump Car Company. Railway-car. No. 1,093,828; Apr. 21; Gaz. vol. 201; p. 657.
- Caswell, William A., Chicago, Ill., assignor to National Dump Car Company. Dump-car and door-operating mechanism. No. 1,107,896; Aug. 18; Gaz. vol. 205; p. 900.
- Catchpole, Fred, *et al.* (See Port, Charles A., assignor.)
- Cate, Eleazar. (See Keith and Cate.)
- Cater, John M. (See Green and Cater.)
- Cathcart, Benjamin F., Fresno, Cal. Rotary pump. No. 1,100,532; June 16; Gaz. vol. 203; p. 823.
- Cathcart, William T., Camden, N. J. Antislipping device. No. 1,100,533; June 16; Gaz. vol. 203; p. 823.
- Cather, Kingman N., Colorado Springs, Colo. Door-lock. No. 1,087,080; Feb. 10; Gaz. vol. 199; p. 565.
- Cather, Kingman N., Chicago, Ill. Seal. No. 1,087,081; Feb. 10; Gaz. vol. 199; p. 565.
- Cather, Kingman N., assignor of one-half to C. J. Dirckx, Chicago, Ill. Pail-top. No. 1,110,892; Sept. 15; Gaz. vol. 206; p. 803.
- Cathey, Everitt, New Edinburgh, Ark. Nut-lock. No. 1,107,897; Aug. 18; Gaz. vol. 205; p. 900.
- Cathriner, Joseph, assignor of one-half to O. E. Baumgart, Brenham, Tex. Concrete-block machine. No. 1,086,994; Feb. 10; Gaz. vol. 199; p. 537.
- Catlin, De Forest B., Mankato, Minn. Massage-belt. No. 1,106,493; Aug. 11; Gaz. vol. 205; p. 360.
- Catlin, De Forest B., Mankato, Minn. Massage apparatus. No. 1,110,891; Sept. 15; Gaz. vol. 206; p. 803.
- Catrevas, Christina, Brooklyn, N. Y. Toy theater. No. 1,107,757; Aug. 18; Gaz. vol. 205; p. 854.
- Catron, John J., Bonham, Tex. Fluid-dispensing apparatus. No. 1,103,939; July 21; Gaz. vol. 204; p. 685.
- Catterall, James, Fisherville, Mass. Oiling device. No. 1,092,337; Apr. 7; Gaz. vol. 201; p. 74.
- Catton, Ira C., Brimfield, Ill. Railway-tie. No. 1,118,909; Nov. 24; Gaz. vol. 208; p. 1317.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Safety-razor-stropping device. No. 1,084,694; Jan. 20; Gaz. vol. 198; p. 537.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Phonograph sound-box. No. 1,085,848; Feb. 3; Gaz. vol. 199; p. 95.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Phonograph. No. 1,085,849; Feb. 3; Gaz. vol. 199; p. 96.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Phonograph. No. 1,087,106; Feb. 17; Gaz. vol. 199; p. 627.

Alphabetical list of patentees—Continued.

- Catucci, Pliny, assignor to A. F. Meisselbach & Bro., Newark, N. J. Fishing-reel. No. 1,095,624; May 5; Gaz. vol. 202; p. 154.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Horn-support. No. 1,098,313; May 26; Gaz. vol. 202; p. 1206.
- Catucci, Pliny, assignor to A. F. Meisselbach & Brother, Newark, N. J. Razor-stropping machine. No. 1,100,353; June 16; Gaz. vol. 203; p. 762.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Automatic fishing-reel. No. 1,101,726; June 30; Gaz. vol. 203; p. 1338.
- Catucci, Pliny, Newark, N. J., assignor, by mesne assignments, to Meisselbach-Catucci Manufacturing Company. Turret-lathe. No. 1,097,914; May 26; Gaz. vol. 202; p. 1069.
- Caudell, Uel M., Evansville, Ind. Acetylene-gas generator. No. 1,103,561; July 14; Gaz. vol. 204; p. 511.
- Cauffiel, Joseph. (See Kosbalko, Charles, assignor.)
- Cauffman, Robert M. (See Squires, Claude J., assignor.)
- Cauffman, Robert M., Three Rivers, Mich. Pasteurizing apparatus. No. 1,115,173; Oct. 27; Gaz. vol. 207; p. 1105.
- Caufield, Frank E., Jr., assignor of three-eighths to W. Neil, Jr., and three-eighths to H. P. Caufield, Chicago, Ill. Loose-leaf binder. No. 1,111,134; Sept. 22; Gaz. vol. 206; p. 929.
- Caufield, H. P., *et al.* (See Caufield, Frank E., Jr., assignor.)
- Caughey, Robert C., Dixon, Ill., assignor to M. Rumely Company, Laporte, Ind. Engine-plow. No. 1,090,133; Mar. 17; Gaz. vol. 200; p. 589.
- Caughey, Robert C., Dixon, Ill., assignor to M. Rumely Company, Laporte, Ind. Plow. No. 1,090,134; Mar. 17; Gaz. vol. 200; p. 589.
- Caughey, Samuel E., Moline, Ill. Water-gage. No. 1,098,016; May 26; Gaz. vol. 202; p. 1104.
- Caughlan, Walter M., assignor to L. Hinshaw and G. L. Morain, Richland, Iowa. Combination step-ladder and ironing-board. No. 1,119,243; Dec. 1; Gaz. vol. 209; p. 118.
- Caught, James N. (See Park, Caught, and House.)
- Caulkins, Cecil P., New London, Conn. Door-alarm. No. 1,110,893; Sept. 15; Gaz. vol. 206; p. 804.
- Causey, Charles W., San Antonio, Tex. Paper-folding machine. No. 1,094,304; Apr. 21; Gaz. vol. 201; p. 813.
- Cauthorn, Pelham E., Denver, Colo. Track-gage attachment for hand-cars. No. 1,110,894; Sept. 15; Gaz. vol. 206; p. 804.
- Cautin, Arthur J., and W. Despins, Waterbury, Conn. Top. No. 1,099,081; June 2; Gaz. vol. 203; p. 241.
- Cauvel, Edward H., Oil City, Pa. Trolley-guide. No. 1,104,104; July 21; Gaz. vol. 204; p. 741.
- Cauvry, Gaston, and L. Salel, Marseille, France. Resilient wheel. No. 1,090,199; Mar. 17; Gaz. vol. 200; p. 613.
- Cavalier, Benjamin, Baltimore, Md. Steaming device. No. 1,093,532; Apr. 14; Gaz. vol. 201; p. 513.
- Cavalier, Lyon, West Maitland, New South Wales, Australia. Mercurio-electric fire-alarm. No. 1,101,251; June 23; Gaz. vol. 203; p. 1125.
- Cavanagh, George H., Brookline, Mass. Machine for measuring surface areas. No. 1,095,704; May 5; Gaz. vol. 202; p. 181.
- Cavanagh, George H., Brookline, Mass. Measuring-machine. No. 1,095,705; May 5; Gaz. vol. 202; p. 182.
- Cavanagh, James, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Toe-binding apparatus. No. 1,084,311; Jan. 13; Gaz. vol. 198; p. 380.
- Cavanagh, James, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Making shoes. No. 1,084,312; Jan. 13; Gaz. vol. 198; p. 380.
- Cavanagh, James, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Manufacture of shoes. No. 1,106,780; Aug. 11; Gaz. vol. 205; p. 461.
- Cavanagh, James, Jr., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting and sewing machine. No. 1,104,875; July 28; Gaz. vol. 204; p. 1057.
- Cavanagh, James, Jr., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating upon fastenings. No. 1,109,662; Sept. 8; Gaz. vol. 206; p. 324.
- Cavanagh, James, Jr., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Insole. No. 1,113,540; Oct. 13; Gaz. vol. 207; p. 438.
- Cavanagh, James, Jr., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating on insoles. No. 1,113,541; Oct. 13; Gaz. vol. 207; p. 438.
- Cavanagh, James, Jr., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Preparing insoles. No. 1,113,542; Oct. 13; Gaz. vol. 207; p. 439.
- Cavanaugh, Thomas, Pittsburgh, Pa. Trolley-wheel. No. 1,099,022; June 2; Gaz. vol. 203; p. 224.
- Cave, Henry, Springfield, Mass. Cutting-tool. No. 1,098,613; June 2; Gaz. vol. 203; p. 88.
- Cave, Henry, Springfield, Mass., assignor to Davis-Bournonville Company, New York, N. Y. Emergency unit. No. 1,095,450; May 5; Gaz. vol. 202; p. 94.
- Cave, Ulysses G., Louisville, Ky. Autographic register. No. 1,102,210; June 30; Gaz. vol. 203; p. 1511.
- Caven, Alva H., Youngwood, Pa. Electric signal system. No. 1,111,213; Sept. 22; Gaz. vol. 206; p. 956.
- Caven, Alva H., Youngwood, Pa. Trolley-switch. No. 1,111,214; Sept. 22; Gaz. vol. 206; p. 957.
- Caven, Alva H., Youngwood, Pa. Electromagnetic switch. No. 1,111,215; Sept. 22; Gaz. vol. 206; p. 957.
- Cavey, John E., Otis, Colo. Bracket. No. 1,092,020; Mar. 31; Gaz. vol. 200; p. 1310.
- Cavey, John W. (See Booth, Charles A., assignor.)
- Caviechi, Roland, Quincy, Mass. Automobile-lock. No. 1,109,961; Sept. 8; Gaz. vol. 206; p. 432.
- Cavin, Gustave. (See Casey and Cavin.)
- Cawley, Frank P., Pittsburgh, Pa. Hair-drying device. No. 1,112,262; Sept. 29; Gaz. vol. 206; p. 1355.
- Caxton Printers, The. (See Schaub, Jacob, assignor.)
- Caxton School Supply Company. (See Holbrook, Frederick A., assignor.)
- Cayo, Julius N., Gary, Ind. Vending-machine. No. 1,119,683; Dec. 1; Gaz. vol. 209; p. 269.
- Cayten, John G., Lowell, Mass. Shuttle binder and check for looms. No. 1,120,026; Dec. 8; Gaz. vol. 209; p. 424.
- Cecchini, Robert, assignor of one-fourth to A. Bedrossian, one-fourth to A. Giragossian, and one-fourth to E. Ariti, Springfield, Mass. Railway-train stop. No. 1,118,890; Nov. 24; Gaz. vol. 208; p. 1311.
- Cecil, Jesse L., Tippecanoe, Ohio. Tire-fastening means for vehicle-wheels. No. 1,100,534; June 16; Gaz. vol. 203; p. 823.
- Cedar Rapids Foundry and Machine Company. (See Strite, Charles P., assignor.)
- Cederlund, Karl H., Duquesne, Pa. Mule. No. 1,117,636; Nov. 17; Gaz. vol. 208; p. 836.
- Cedrone, Donato, New York, N. Y. Drill. No. 1,114,580; Oct. 20; Gaz. vol. 207; p. 842.
- Cekus, Jan, Chicago, Ill. Rail-joint. No. 1,101,252; June 23; Gaz. vol. 203; p. 1125.
- Celovsky, Daniel. (See Parnitzky, Paul, assignor.)
- Celus, August, Moline, Ill. Puzzle. No. 1,105,878; Aug. 4; Gaz. vol. 205; p. 102.
- Center, Isaac, Toronto, Ontario, Canada. Cap. No. 1,092,429; Apr. 7; Gaz. vol. 201; p. 106.
- Central Billiard Supply Company, The. (See Treiber, Theodore R., assignor.)
- Central Flatiron Mfg. Co. (See Austin, James E., assignor.)
- Central Foundry Specialty Company. (See Lonskey, John H., assignor.)
- Central Oil & Gas Stove Company. (See Wilder and White, assignors.)
- Central Railway Signal Company. (See Clark, Robert M., assignor.)
- Central Railway Signal Company. (See Dutcher, Frank, assignor.)
- Central Railway Signal Company. (See Edmands, John W., assignor.)
- Central Railway Signal Company. (See Ross, Louis S., assignor.)
- Central Stamping Co., The. (See Beecher, John, assignor.)
- Central Trust Company of New York, trustee. (See Bliss, William L., assignor.)
- Central Trust Company of New York, trustee. (See Engel, Frank, assignor.)
- Central Trust Company of New York, trustee. (See Mead, Clarence E., assignor.)
- Central Trust Company of New York, trustee. (See Moskowitz, Morris, assignor.)
- Central Trust Company of New York, trustee. (See Turbayne, William A., assignor.)
- Century Electric Company. (See Pillsbury, Edwin S., assignor.)
- Century Telephone Construction Company. (See Knight and Sweet, assignors.)
- Cerda, Arthur G., Morelia, Mexico, assignor, by mesne assignments, to W. Mooers, Arlington, Mass. Party-line telephone system. No. 1,093,034; Apr. 14; Gaz. vol. 201; p. 346.
- Cerda, Arthur G., Morelia, Mexico, assignor to C. Whittemore, Newton, Mass. Rotatable headlight for automobiles. No. 1,097,612; May 26; Gaz. vol. 202; p. 958.
- Cereal Mince Company. (See Odegard, Cornelius, assignor.)
- Cerf, Lester, New York, N. Y. Electric clock. No. 1,115,283; Oct. 27; Gaz. vol. 207; p. 1142.
- Cerleys, Paul E. A., Paris, France. Cupola. No. 1,099,737; June 9; Gaz. vol. 203; p. 512.
- Cerney, James J. and J. F., Cleveland, Ohio. Hand-truck. No. 1,102,872; July 7; Gaz. vol. 204; p. 227.
- Cerney, Joseph F. (See Cerney, James J. and J. F.)
- Cerri, Vincenzo L., Avezzano, Italy. Sound-proof case for type-writing machines. No. 1,111,477; Sept. 22; Gaz. vol. 206; p. 1046.
- Ceserani, John, Butte, Mont. Safety brake mechanism for elevators and hoisting-cages. No. 1,091,292; Mar. 24; Gaz. vol. 200; p. 1019.
- Cetti, Carl J. L. F., Chicago, Ill. Indicator for gasoline-tanks. No. 1,112,522; Oct. 6; Gaz. vol. 207; p. 39.
- Chadbourne, Edward M., San Francisco, Cal. Asphaltic roadway. No. 1,085,667; Feb. 3; Gaz. vol. 199; p. 31.

Alphabetical list of patentees—Continued.

- Chadbourn, Edward M., San Francisco, Cal. Asphalt roadway. No. 1,098,710; June 2; Gaz. vol. 203; p. 121.
- Chadbourn, Edward M., Tacoma, Wash. Asphaltic pavement. No. 1,103,127; July 14; Gaz. vol. 204; p. 363.
- Chadeloid Chemical Company. (See Dosselman and Neymann, assignors.)
- Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)
- Chadima, Frank, assignor to J. G. Cherry Co., Cedar Rapids, Iowa. Butter-cutter clamp. No. 1,097,168; May 19; Gaz. vol. 202; p. 762.
- Chadwick, Cornelia J., Newport, R. I. Carrier. No. 1,096,489; May 12; Gaz. vol. 202; p. 484.
- Chadwick, Everett D., trustee. (See Nickerson, William E., assignor.)
- Chadwick, Frederick R. (See Bahan and Chadwick.)
- Chadwick, Herbert, Blackburn, England, assignor to Draper Company, Hopedale, Mass. Weft stop-motion for weft-replenishing looms. No. 1,088,009; Feb. 24; Gaz. vol. 199; p. 989.
- Chadwick, Lee S., East Cleveland, Ohio. Pipe-support. No. 1,109,962; Sept. 8; Gaz. vol. 206; p. 432.
- Chadwick, Lee S., Cleveland, Ohio. Mail-box. No. 1,122,855; Dec. 29; Gaz. vol. 209; p. 1535.
- Chadwick, Lee S., Cleveland, Ohio. Oil-burner. No. 1,122,856; Dec. 29; Gaz. vol. 209; p. 1535.
- Chadwick, Lee S., East Cleveland, Ohio. Stove. No. 1,122,857; Dec. 29; Gaz. vol. 209; p. 1535.
- Chadwick, Wallace, Schenectady, N. Y. Universal joint. No. 1,111,645; Sept. 22; Gaz. vol. 206; p. 1106.
- Chaffee, Alfred M., Oxford, Mass. Making cloth-boards. No. 1,083,593; Jan. 6; Gaz. vol. 198; p. 110.
- Chaffee, Alfred M., Oxford, Mass. Construction of cloth-boards. No. 1,100,354; June 16; Gaz. vol. 203; p. 762.
- Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Shield for railway-car vestibule-trap-door locks. No. 1,115,394; Oct. 27; Gaz. vol. 207; p. 1179.
- Chaffee, Edward F., assignor to O. M. Edwards, Syracuse, N. Y. Side weather-stripping. No. 1,116,800; Nov. 10; Gaz. vol. 208; p. 504.
- Chaffey, Oscar, Alliance, Cal. Excelsior-machine. No. 1,107,031; Aug. 11; Gaz. vol. 205; p. 546.
- Chaffin, Clarence E., Springfield, Mass. Thread-winding machine and tension control. No. 1,100,355; June 16; Gaz. vol. 203; p. 763.
- Chain Belt Company. (See Fraser, Donald, assignor.)
- Chalfant, Peter T., Philadelphia, Pa. Hook and eye manipulator. No. 1,092,338; Apr. 7; Gaz. vol. 201; p. 75.
- Chalmers Detroit Motor Company. (See Coffin, Howard E., assignor.)
- Chalmers, Ernest, Birmingham, England. Swivel. No. 1,104,408; July 21; Gaz. vol. 204; p. 845.
- Chalmers, Harry B., Dedham, Mass. Waterproof cement. No. 1,112,890; Oct. 6; Gaz. vol. 207; p. 167.
- Chalmers Motor Company. (See Dunham, George W., assignor.)
- Chalmers Motor Company. (See Walden, Alfred E., assignor.)
- Chalmers Motor Company. (See Zinner, Ernest, assignor.)
- Chalmers, Robert. (See Gibb, Menzies, and Chalmers.)
- Chalmers & Williams. (See McInrue, John, assignor.)
- Chalmers and Williams. (See Ross, Frank A., assignor.)
- Chamberlain, Annette J. (See Sanders, Wilbur E., assignor.)
- Chamberlain Metal Weather Strip Company. (See Coughlan, Thomas B., assignor.)
- Chamberlain, Minor E., Lebanon, Mo. Reinforced concrete construction. No. 1,119,066; Dec. 1; Gaz. vol. 209; p. 59.
- Chamberlain, William J., Walnut Ridge, Ark. Package-band. No. 1,110,534; Sept. 15; Gaz. vol. 206; p. 675.
- Chamberlin, Benjamin D., Corning, N. Y., assignor to Empire Machine Company, Portland, Me. Mechanism for gathering glass. No. 1,117,322; Nov. 17; Gaz. vol. 208; p. 727.
- Chamberlin, C. P., et al. (See Stoakes, James D., assignor.)
- Chamberlin, John H., deceased, Kalamazoo, Mich.; J. M. Biggerstaff, administrator. Knockdown metal crate. No. 1,122,858; Dec. 29; Gaz. vol. 209; p. 1536.
- Chamberlin, Lewis A., and C. H. Williams, De Soto, Mo. Dental instrument. No. 1,105,755; Aug. 4; Gaz. vol. 205; p. 60.
- Chambers, Allison R., New Glasgow, Nova Scotia, Canada. Dump-car. No. 1,084,607; Jan. 20; Gaz. vol. 198; p. 504.
- Chambers Brothers Company. (See Binder and King, assignors.)
- Chambers Brothers Company. (See King, Howard K., assignor.)
- Chambers, Connor C., Chicago, Ill. Tongue-switch. No. 1,096,600; May 12; Gaz. vol. 202; p. 521.
- Chambers, Cyrus W. and W. H., Cedar Rapids, Iowa. Adjustable silo-roof. No. 1,105,402; July 28; Gaz. vol. 204; p. 1243.
- Chambers, David, Portland, Oreg. Hydrocarbon-burner. No. 1,112,891; Oct. 6; Gaz. vol. 207; p. 167.
- Chambers, E. L., et al. (See Riles, Edward, assignor.)
- Chambers, Eliga, et al. (See Riles, Edward, assignor.)
- Chambers, Elmer C., Missoula, Mont. Music-staff-lining machine. No. 1,122,684; Dec. 29; Gaz. vol. 209; p. 1475.
- Chambers, Ernest F., Oxford Centre, Ontario, Canada. Rein-holder. No. 1,084,535; Jan. 13; Gaz. vol. 198; p. 450.
- Chambers, James R., et al. (See Walker, Harry S., assignor.)
- Chambers, Jerry C., Daleville, Ala. Plow. No. 1,113,150; Oct. 6; Gaz. vol. 207; p. 255.
- Chambers, John W., Middleton, Mich. Collapsible mold. No. 1,113,753; Oct. 13; Gaz. vol. 207; p. 511.
- Chambers, Ollie U. (See Eaton and Chambers.)
- Chambers, Robert A., St. Elmo, Tenn. Concrete fence-post. No. 1,104,626; July 21; Gaz. vol. 204; p. 922.
- Chambers, Sidney C., Durham, N. C. Mothproof clothes-wrapper. No. 1,100,121; June 16; Gaz. vol. 203; p. 682.
- Chambers, William H. (See Chambers, Cyrus W. and W. H.)
- Chambersburg Engineering Company. (See Derbyshire, Henry E., assignor.)
- Chambersburg Engineering Company. (See Derbyshire and Longaker, assignors.)
- Chambersburg Engineering Company. (See Longaker, Albert A., assignor.)
- Chambersburg Engineering Company. (See Longaker and Markland, assignors.)
- Chambley, Alexander, Philadelphia, Pa. Vault-light construction. No. 1,089,323; Mar. 3; Gaz. vol. 200; p. 220.
- Chambley, Alexander, Philadelphia, Pa. Vault-light construction. No. 1,109,510; Sept. 1; Gaz. vol. 206; p. 229.
- Chambon, Louis, Paris, France. Machine for making and filling cigarette-cases. No. 1,121,549; Dec. 15; Gaz. vol. 209; p. 1005.
- Champ, John K., Paris, Ky. Bolt-head holder. No. 1,099,426; June 9; Gaz. vol. 203; p. 407.
- Champ, John K., Paris, Ky. Scythe-snathe coupling. No. 1,101,164; June 23; Gaz. vol. 203; p. 1095.
- Champ, John K., Paris, Ky. Tool. No. 1,101,165; June 23; Gaz. vol. 203; p. 1095.
- Champ, John K., Paris, Ky. Screen-door latch. No. 1,101,253; June 23; Gaz. vol. 203; p. 1125.
- Champ, John K., Paris, Ky. Trace-holding device. No. 1,123,095; Dec. 29; Gaz. vol. 209; p. 1618.
- Champagne, Joseph N., assignor to J. N. Champagne, Jr., St. Clothilde, Quebec, Canada. Potato-digger. No. 1,086,892; Feb. 10; Gaz. vol. 199; p. 504.
- Champion, Albert J., assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,094,528; Apr. 28; Gaz. vol. 201; p. 950.
- Champion Chemical Company, The. (See Colthar, William U., assignor.)
- Champion Forging Machine Company, The. (See Brown, Carl, assignor.)
- Champion, George F., Poughkeepsie, N. Y. Umbrella-stand. No. 1,095,814; May 5; Gaz. vol. 202; p. 219.
- Champion Ignition Company. (See Champion, Albert J., assignor.)
- Champion Machine & Forging Company. (See Rice, Joseph F., assignor.)
- Champion, Matthew, assignor to The Champion Rivet Company, Cleveland, Ohio. Machine for heading bolts and rivets. No. 1,103,659; July 14; Gaz. vol. 204; p. 549.
- Champion Potato Machinery Company. (See Knoerzer, Otto, assignor.)
- Champion Recording Machine Company. (See Craig, Robert B., assignor.)
- Champion Rivet Company. (See Champion, Matthew, assignor.)
- Champion Shoe Machinery Company. (See Dobyne, George A. and S. A., assignors.)
- Champion Shoe Machinery Company. (See Dobyne, Stephen A., assignor.)
- Champlin, Tint, Little Valley, N. Y. Combined compass and knife. No. 1,115,780; Nov. 3; Gaz. vol. 208; p. 105.
- Chance, Henry M. and T. M., Philadelphia, Pa. Method and apparatus for pumping liquids. No. 1,109,108; Sept. 1; Gaz. vol. 206; p. 88.
- Chance, Henry M. and T. M., Philadelphia, Pa. Method and apparatus for pumping liquids. No. 1,114,108; Oct. 20; Gaz. vol. 207; p. 675.
- Chance, Henry M. and T. M., Philadelphia, Pa. Apparatus for pumping liquids. No. 1,114,109; Oct. 20; Gaz. vol. 207; p. 676.
- Chance & Hunt. (See Hunt and Glidden, assignors.)
- Chance, Thomas M. (See Chance, Henry M. and T. M.)
- Chandler, Byron. (See Feaster, Edward B., assignor.)
- Chandler, Charles S., et al. (See Cummins, Herbert L., assignor.)
- Chandler, Columbus P., Snyder, Tex. Boll-weevil destroyer. No. 1,087,214; Feb. 17; Gaz. vol. 199; p. 664.
- Chandler, Daniel L., Ayer, Mass. Brush-making machine. No. 1,084,536; Jan. 13; Gaz. vol. 198; p. 451.
- Chandler, Daniel L., Ayer, Mass. Manufacturing tooth-brushes and bristle-holders therefor. No. 1,086,509; Feb. 10; Gaz. vol. 199; p. 369.
- Chandler, Fred W., et al. (See Christopherson, Ole A., assignor.)

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- Chandler, Gilbert E., Cambridge, Mass. Necktie-holder. No. 1,091,191; Mar. 24; Gaz. vol. 200; p. 987.
- Chandler, Milford G., Chicago, Ill. Engine trunk-piston. No. 1,114,229; Oct. 20; Gaz. vol. 207; p. 719.
- Chandler, Milford G., Chicago, Ill. Fluid-distributing mechanism. No. 1,121,976; Dec. 22; Gaz. vol. 209; p. 1192.
- Chaney, Earl K., and W. Brown, Hillsboro, Ohio. Interchangeable show or display case divider. No. 1,116,996; Nov. 10; Gaz. vol. 208; p. 572.
- Chani, John, Canal Dover, Ohio. Bottle-opening device. No. 1,108,699; Aug. 25; Gaz. vol. 205; p. 1227.
- Chantiers et Ateliers Augustin Normand. (See Fenaux, Fernand, assignor.)
- Chapek, William H., *et al.* (See Luther, Otto C., assignor.)
- Chapel, George H., Howell, Mich. Eyeglasses. No. 1,086,439; Feb. 10; Gaz. vol. 199; p. 345.
- Chapel, George H., Howell, Mich. Eyeglasses. No. 1,104,034; July 21; Gaz. vol. 204; p. 717.
- Chapin, Arthur B., assignor to Armstrong Paint and Varnish Works, Chicago, Ill. Strainer. No. 1,115,505; Nov. 3; Gaz. vol. 208; p. 14.
- Chapin, Charles E. (See Kinsman, Walter R., assignor.)
- Chapin, Cornelius K., *et al.* (See Murchey, William, assignor.)
- Chapin, Edward S., Sharon, and E. Lesser, Boston, Mass., assignors to American Dyewood Company, New York, N. Y. Dyestuff and manufacturing the same. No. 1,106,781; Aug. 11; Gaz. vol. 205; p. 462.
- Chapin, Henry S., Rockville Center, N. Y. Vehicle spring construction. No. 1,094,701; Apr. 28; Gaz. vol. 201; p. 1014.
- Chapin, Henry S., Rockville Center, N. Y. Wooden pipe for smoking tobacco. No. 1,099,965; June 16; Gaz. vol. 203; p. 627.
- Chapin, Orne W., Omaha, Nebr. Alining means for type-writing sheets. No. 1,109,821; Sept. 8; Gaz. vol. 206; p. 380.
- Chaplin-Fulton Manufacturing Company, The. (See Fulton, Louis B., assignor.)
- Chapman, Arthur A., Hartwell, assignor to The M. A. Hunt Company, Cincinnati, Ohio. Spring-bed. No. 1,117,789; Nov. 17; Gaz. vol. 208; p. 892.
- Chapman, Clarence M., Newark, N. J. Automatic lathe. No. 1,083,987; Jan. 13; Gaz. vol. 198; p. 270.
- Chapman, Edith E., executrix. (See Giroud, Felipe.)
- Chapman, Edward B. (See Parsons, Cook, and Chapman.)
- Chapman, Eli, *et al.* (See Lockard, James S., assignor.)
- Chapman, Eugene F., Fort Collins, Colo. Voting-machine. No. 1,109,200; Sept. 1; Gaz. vol. 206; p. 122.
- Chapman, Eugene M., and C. E. Cowan, Holyoke, Mass. Elevating-truck. No. 1,118,740; Nov. 24; Gaz. vol. 208; p. 1262.
- Chapman, Eunice E., Petersburg, Tenn. Churn. No. 1,104,627; July 21; Gaz. vol. 204; p. 922.
- Chapman, Fay H., Avoca, N. Y. Hub-band brake. No. 1,113,877; Oct. 13; Gaz. vol. 207; p. 555.
- Chapman, Frank E. V., assignor to one-fourth to Durand, Ivins & Carton, Asbury Park, N. J. Wheel-mount. No. 1,093,912; Apr. 21; Gaz. vol. 201; p. 685.
- Chapman, Frank H., and O. E. Kenney, Toledo, Ohio. Attachment-plug for electric circuits. No. 1,098,478; June 2; Gaz. vol. 203; p. 42.
- Chapman, Frank H., and O. E. Kenney, assignors to The Yost Electric Manufacturing Company, Toledo, Ohio. Connecting device. No. 1,086,587; Feb. 10; Gaz. vol. 199; p. 398.
- Chapman, Frank H., and O. E. Kenney, assignors to The Yost Electric Manufacturing Company, Toledo, Ohio. Connecting device. No. 1,086,588; Feb. 10; Gaz. vol. 199; p. 398.
- Chapman, Frank S., assignor to The National Electric Specialty Company, Toledo, Ohio. Vacuum lightning-arrester. No. 1,104,959; July 28; Gaz. vol. 204; p. 1086.
- Chapman, Frank S., assignor to The National Electric Specialty Company, Toledo, Ohio. Lightning-arrester. No. 1,104,960; July 28; Gaz. vol. 204; p. 1087.
- Chapman, Fred H., Winchester, Mass. Non-refillable bottle. No. 1,092,559; Apr. 7; Gaz. vol. 201; p. 150.
- Chapman, George A., assignor to Minerals Separation, Limited, London, England. Ore concentration. No. 1,102,874; July 7; Gaz. vol. 204; p. 227.
- Chapman, George A., and S. Tucker, assignors to Minerals Separation, Limited, London, England. Ore concentration. No. 1,102,873; July 7; Gaz. vol. 204; p. 227.
- Chapman, George H., Harristown, near Port Pirie, South Australia, Australia. Trap-nest for poultry. No. 1,105,403; July 28; Gaz. vol. 204; p. 1243.
- Chapman, George M. (See Bridges, Andrew M., assignor.)
- Chapman, Herman C., Leamington, Ontario, Canada. Combined coring and paring knife. No. 1,095,706; May 5; Gaz. vol. 202; p. 182.
- Chapman, James W., assignor to Manning, Bowman & Company, Meriden, Conn. Percolating device. No. 1,085,378; Jan. 27; Gaz. vol. 198; p. 807.
- Chapman, John T. (See Batt, Charles N., assignor.)
- Chapman, Joseph A., Fort Worth, Tex. Electrically-heated instrument. No. 1,083,386; Jan. 6; Gaz. vol. 198; p. 43.
- Chapman, Leo M., Chicago, Ill. Temperature-controlled fuel-regulator. No. 1,117,790; Nov. 17; Gaz. vol. 208; p. 892.
- Chapman, Lionel J., assignor to The Long Furniture Co., Hanover, Pa. Extension-table. No. 1,099,787; June 9; Gaz. vol. 203; p. 529.
- Chapman, Mark C. (See Chapman, Matthew T. and M. C.)
- Chapman, Matthew T., assignor to The American Well Works, Aurora, Ill. Well-sinking apparatus. No. 1,101,483; June 23; Gaz. vol. 203; p. 1204.
- Chapman, Matthew T., assignor to The American Well Works, Aurora, Ill. Well-sinking apparatus. No. 1,104,409; July 21; Gaz. vol. 204; p. 846.
- Chapman, Matthew T., assignor to American Well Works, Aurora, Ill. Well-sinking apparatus. No. 1,114,231; Oct. 20; Gaz. vol. 207; p. 719.
- Chapman, Matthew T. and M. C., assignors to The American Well Works, Aurora, Ill. Pump. No. 1,114,230; Oct. 20; Gaz. vol. 207; p. 719.
- Chapman, Paul H., and H. M. Pinggen, assignors to The National Electric Specialty Company, Toledo, Ohio. Lightning-arrester. No. 1,104,961; July 28; Gaz. vol. 204; p. 1087.
- Chapman, Penrose E., St. Louis, Mo. Drum-armature-winding machine. No. 1,121,798; Dec. 22; Gaz. vol. 209; p. 1128.
- Chapman, Silas W., Atlantic City, N. J. Lock. No. 1,120,280; Dec. 8; Gaz. vol. 209; p. 513.
- Chapman, Theron W., assignor to National Sewing Machine Company, Belvidere, Ill. Adjustable taper-pin box-tool. No. 1,096,152; May 12; Gaz. vol. 202; p. 369.
- Chapman, William, Mesaba, Minn. Poison-bottle. No. 1,086,995; Feb. 10; Gaz. vol. 199; p. 538.
- Chapman, William A., Smithville, Ark. Optical instrument. No. 1,096,284; May 12; Gaz. vol. 202; p. 415.
- Chapman, William E., New Britain, Conn. Tool for vacuum-cleaners. No. 1,092,823; Apr. 14; Gaz. vol. 201; p. 276.
- Chapman, William L., New York, N. Y. Fountain-pen. No. 1,103,349; July 14; Gaz. vol. 204; p. 440.
- Chappeau, Paul, Saintes, France. Packing. No. 1,107,032; Aug. 11; Gaz. vol. 205; p. 547.
- Chappee, Birnie G., Detroit, Mich. Card-index. No. 1,118,184; Nov. 24; Gaz. vol. 208; p. 1066.
- Chappell, Albert R. (See Woodmansee, Ira M., assignor.)
- Chappell, Edward A., Plymouth, Ohio. Poultry-feeder. No. 1,122,685; Dec. 29; Gaz. vol. 209; p. 1475.
- Chappell, Eugene H., Danville, Va. Safety-stirrup. No. 1,098,662; June 2; Gaz. vol. 203; p. 104.
- Chappell, Howard F., New York, N. Y. Calcining alunite. No. 1,089,109; Mar. 3; Gaz. vol. 200; p. 149.
- Chappell, Howard F., New York, N. Y. Apparatus for treating alunite. No. 1,089,110; Mar. 3; Gaz. vol. 200; p. 150.
- Chappell, Marvin L., Berkeley, Cal. Acid-proof packing material. No. 1,102,473; July 7; Gaz. vol. 204; p. 88.
- Chappius, Walter. (See Moss and Chappius.)
- Chapsal, François J., and A. L. E. Saillet, Paris, France. Pneumatic brake. No. 1,083,521; Jan. 6; Gaz. vol. 198; p. 86.
- Chapsal, François J., and A. L. E. Saillet, Paris, France. Device for accelerating the application of pneumatic brakes. No. 1,092,339; Apr. 7; Gaz. vol. 201; p. 75.
- Charavay, Frederick. (See Coles and Charavay.)
- Charboneau, J. Edward. (See Bonney, Bick R., assignor.)
- Charbonneau, Lionel C., Brooklyn, N. Y. Muffler for electrostatic machines. No. 1,096,601; May 12; Gaz. vol. 202; p. 522.
- Charbonneaux, Auguste E., San Francisco, Cal. Explosive. No. 1,093,767; Apr. 21; Gaz. vol. 201; p. 635.
- Chard, Nicholas D., assignor to The Lodge & Shipley Machine Tool Co., Cincinnati, Ohio. Lathe. No. 1,121,068; Dec. 15; Gaz. vol. 209; p. 839.
- Charest, Fortunat, Cloquet, Minn. Clothes-line. No. 1,111,563; Sept. 22; Gaz. vol. 206; p. 1076.
- Charet, Israel, New York, N. Y. Scale. No. 1,088,321; Feb. 24; Gaz. vol. 199; p. 1095.
- Charet, Israel, New York, N. Y. Scale. No. 1,102,137; June 30; Gaz. vol. 203; p. 1484.
- Charland, Adelard, Bingham, Me. Fluid-motor. No. 1,115,781; Nov. 3; Gaz. vol. 208; p. 105.
- Charles Cory & Son. (See Hunt and Wood, assignors.)
- Charles Cory & Son. (See Wood, Frank W., assignor.)
- Charles, George M., Washington, D. C. Faucet. No. 1,093,533; Apr. 14; Gaz. vol. 201; p. 513.
- Charles H. Besly and Company. (See Miller, John, Jr., assignor.)
- Charles H. Childs & Company. (See Babcock, Wells, and Brown, assignors.)
- Charles J. Tagliabue Manufacturing Co. (See Witham and Roesch, assignors.)
- Charles Leffler & Company. (See Bolger, Robert S., assignor.)
- Charles, Merrill S., Los Angeles, Cal. Removable attachment for compensating malarticulation of teeth. No. 1,104,290; July 21; Gaz. vol. 204; p. 805.
- Charles Parker Company, The. (See Walker, Victor E. and P. H. D., assignors.)
- Charles, Samuel W., Palo Alto, Cal. Razor-stropping device. No. 1,088,322; Feb. 24; Gaz. vol. 199; p. 1095.
- Charles, Samuel W., Palo Alto, Cal. Razor. No. 1,105,756; Aug. 4; Gaz. vol. 205; p. 60.

Alphabetical list of patentees—Continued.

- Charles W. Shonk Company. (See Hall, William H., assignor.)
- Charles W. Shonk Company. (See Shonk, Charles W., assignor.)
- Charles, William T., Waynesboro, Pa. Reamer. No. 1,109,321; Sept. 1; Gaz. vol. 206; p. 165.
- Charleston S. C. Mining & Manufacturing Company. (See Wright, Robert H., assignor.)
- Charlson, Clarence H., Forest City, Iowa. Journal-bearing. No. 1,101,615; June 30; Gaz. vol. 203; p. 1302.
- Charlton, Christopher J., South Benfleet, England. Rotary electroplating apparatus. No. 1,093,384; Apr. 14; Gaz. vol. 201; p. 468.
- Charlton, Demetrius F., Marquette, Mich. Photographic-dark-room lamp. No. 1,104,245; July 21; Gaz. vol. 204; p. 789.
- Charlton, Harry W., Ottawa, Ontario, Canada. Match-ignition composition. No. 1,089,902; Mar. 10; Gaz. vol. 200; p. 469.
- Chartener, Victor, Pittsburgh, Pa. Edging-mill. No. 1,107,493; Aug. 18; Gaz. vol. 205; p. 760.
- Charter, James A., Chicago, Ill. Explosive-engine. No. 1,106,782; Aug. 11; Gaz. vol. 205; p. 462.
- Charvat, James J., Chicago, Ill. Stopper-extractor. No. 1,086,645; Feb. 10; Gaz. vol. 199; p. 418.
- Chas. Cory & Son. (See Henschel, Charles, assignor.)
- Chase, Amos F., Lynn, Mass. Shirt. No. 1,083,430; Jan. 6; Gaz. vol. 198; p. 58.
- Chase, Aurin M., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Tempering. No. 1,091,120; Mar. 24; Gaz. vol. 200; p. 962.
- Chase, Aurin M., assignor to Chase Motor Truck Company, Syracuse, N. Y. Motor land implement. No. 1,113,101; Oct. 6; Gaz. vol. 207; p. 237.
- Chase, Charles G., and H. C. Buschmann, Indianapolis, Ind. Vegetable and fruit peeling machine. No. 1,122,859; Dec. 29; Gaz. vol. 209; p. 1536.
- Chase, Confucius and W. A., Boston, assignors to W. E. Robinson, Winchester, Mass. Refrigerating apparatus. No. 1,088,206; Feb. 24; Gaz. vol. 199; p. 1056.
- Chase, Elroy A., Worcester, Mass., assignor to American Granite Saw Company. Cutting stone. No. 1,095,707; May 5; Gaz. vol. 202; p. 182.
- Chase, Elroy A., Northfield, Vt., assignor, by mesne assignments, to American Granite Saw Company, Kittery, Me. Stone-cutting machine. No. 1,095,708; May 5; Gaz. vol. 202; p. 183.
- Chase Foundry and Manufacturing Company, The. (See Chase, Sherwood M., assignor.)
- Chase, John Q., Dayton, Ohio. Aeroplane. No. 1,107,494; Aug. 18; Gaz. vol. 205; p. 760.
- Chase, Joseph H., Rochester, N. Y., assignor to American Piano Company, Jersey City, N. J. Valve mechanism for musical instruments. No. 1,087,901; Feb. 17; Gaz. vol. 199; p. 902.
- Chase Machine Company, The. (See Dalglish, Edmund, assignor.)
- Chase Mfg. Co. (See Burr, Howard B., assignor.)
- Chase Motor Truck Company. (See Chase, Aurin M., assignor.)
- Chase, Moulton G., Cliftondale, Mass., assignor to General Electric Company. Lag-plate. No. 1,101,059; June 23; Gaz. vol. 203; p. 1060.
- Chase, Nial N., Peoria, Ill. Washing-machine. No. 1,112,892; Oct. 6; Gaz. vol. 207; p. 167.
- Chase Rolling Mill Co. (See Parish, Ralph R., assignor.)
- Chase Rolling Mill Co. (See Summey, David L., assignor.)
- Chase, Samuel, Los Angeles, Cal. Signaling device. No. 1,091,038; Mar. 24; Gaz. vol. 200; p. 934.
- Chase, Sherwood M., assignor to The Chase Foundry and Manufacturing Company, Columbus, Ohio. Guard for bearings. No. 1,109,822; Sept. 8; Gaz. vol. 206; p. 381.
- Chase, Walter L. (See Gardner and Chase.)
- Chase, Warren A. (See Chase, Confucius and W. A.)
- Chassaing, Joseph, assignor to Shiras Electric Company, St. Louis, Mo. Electric-lamp bracket. No. 1,114,110; Oct. 20; Gaz. vol. 207; p. 676.
- Chassaing, Joseph, Chicago, Ill., assignor to Shiras Electric Company, St. Louis, Mo. Lighting-fixture. No. 1,114,111; Oct. 20; Gaz. vol. 207; p. 676.
- Chatain, Henri G. (See Ver Planck and Chatain.)
- Chatain, Henri G., Erie, Pa., assignor to General Electric Company. Exhaust-muffler. No. 1,110,040; Sept. 8; Gaz. vol. 206; p. 460.
- Chatain, Henri G., Erie, Pa., assignor to General Electric Company. Internal-combustion engine. No. 1,112,263; Sept. 29; Gaz. vol. 206; p. 1355.
- Chatain, Henri G., Erie, Pa., assignor to General Electric Company. Muffler for internal-combustion engines. No. 1,114,448; Oct. 20; Gaz. vol. 207; p. 797.
- Chatain, Henri G., and W. E. Ver Planck, Erie, Pa., assignors to General Electric Company. System of engine-cooling. No. 1,117,976; Nov. 24; Gaz. vol. 208; p. 995.
- Chateaufort, Frank, Haverhill, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,109,201; Sept. 1; Gaz. vol. 206; p. 123.
- Chatfield, Franklin, assignor to Northwestern Knitting Company, Minneapolis, Minn. Measuring device. No. 1,120,689; Dec. 15; Gaz. vol. 209; p. 706.
- Chatham, Ralph M., Orleans, Ind. Filing device. No. 1,119,925; Dec. 8; Gaz. vol. 209; p. 389.
- Chatham, Sheldon C., Philadelphia, Pa. Bed-bottom. No. 1,107,587; Aug. 18; Gaz. vol. 205; p. 793.
- Chatham, Sheldon C., Philadelphia, Pa. Bed-spring. No. 1,121,163; Dec. 15; Gaz. vol. 209; p. 874.
- Chatman, John E. (See Nutter and Chatman.)
- Chato, August, Pittsburgh, Pa. Wrench. No. 1,093,253; Apr. 14; Gaz. vol. 201; p. 423.
- Chattaway, Arthur, *et al.* (See Bondascha, Charles W., assignor.)
- Chattaway, C. Leonard, *et al.* (See Bondascha, Charles W., assignor.)
- Chaumeret, Marius, Paris, France. Parachute for aerostation and aviation. No. 1,093,311; Apr. 14; Gaz. vol. 201; p. 444.
- Chautems, Jean. (See Cantoni, Chautems, and Degrange.)
- Chauvin, George, Union, La. Coffee-roaster. No. 1,088,537; Feb. 24; Gaz. vol. 199; p. 1166.
- Chavez, Candido, Mexico, Mexico. Making substitutes for animal wool. No. 1,104,105; July 21; Gaz. vol. 204; p. 741.
- Chayne, Charles A., Harrisburg, Pa. Flying-machine. No. 1,095,080; Apr. 28; Gaz. vol. 201; p. 1143.
- Cheatham, Joseph T., Hayti, Mo. Oil-burner and water-heater. No. 1,100,866; June 23; Gaz. vol. 203; p. 990.
- Cheatham, Robert V., St. Matthews, Ky. Automatic switch for trolley-roads. No. 1,083,431; Jan. 6; Gaz. vol. 197; p. 58.
- Check, William, and B. I. Sipes, Buena Vista, Colo. Heating apparatus. No. 1,087,274; Feb. 17; Gaz. vol. 199; p. 686.
- Chedeville, Maurice J. A., Paris, France. Bridle. No. 1,102,474; July 7; Gaz. vol. 204; p. 89.
- Cheliew, Clarence R., Peoria, Ill. Fastener for receptacle-covers. No. 1,104,035; July 21; Gaz. vol. 204; p. 717.
- Chellis, Eugene D., deceased, Portland, Me.; G. L. Brooks, administrator, assignor to National Metal Seal Corporation, Boston, Mass. Sealing-pack. No. 1,115,506; Nov. 3; Gaz. vol. 208; p. 14.
- Chellis, Eugene D., deceased; G. L. Brooks, Portland, Me., administrator, assignor to National Metal Seal Corporation, Boston, Mass. Closure and nozzle for containing vessels. No. 1,115,507; Nov. 3; Gaz. vol. 208; p. 14.
- Chelsea Clock Company. (See Menns, Walter K., assignor.)
- Chelton Electric Company. (See Stoddard, Hart A., assignor.)
- Chemical Development Company, The. (See Ramage, Alexander S., assignor.)
- Chemical Products Company. (See Mork, Harry S., assignor.)
- Chemisch-Metallurgische Industrie Gesellschaft mit beschränkter Haftung. (See Mayer and Havas, assignors.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Thiele, Albrecht, assignor.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Zöllner, Clemens, assignor.)
- Chemische Fabrik Flörsheim, Dr. H. Noerdlinger. (See Caroselli, Arnaldo, assignor.)
- Chemische Fabrik Griesheim-Elektron. (See Klatte, Fritz, assignor.)
- Chemische Fabrik Griesheim-Elektron. (See Laska, August L., assignor.)
- Chemische Fabrik Griesheim-Elektron. (See Laska and Zitscher, assignors.)
- Chemische Fabrik-Griesheim-Elektron. (See Pistor, Dion, and Reitz, assignors.)
- Chemische Fabrik Griesheim-Elektron. (See Reyher, Rudolf, assignor.)
- Chemische Fabrik Griesheim-Elektron. (See Singer, Fritz, assignor.)
- Chemische Fabrik Griesheim Elektron. (See Singer and Milarch, assignors.)
- Chemische Fabrik Griesheim-Elektron. (See Winther, Laska, Zitscher, Kunert, and Acker, assignors.)
- Chemische Fabrik Griesheim-Elektron. (See Wiss, Ernst, assignor.)
- Chemische Fabrik Griesheim-Elektron. (See Zitscher, Arthur, assignor.)
- Chemische Fabrik Griesheim-Elektron. (See Zitscher, Kunert, and Acker, assignors.)
- Chemische Fabrik Troisdorf, Dr. Hülsberg & Seiler. (See Jarrijou, Juan D., assignor.)
- Chemische Werke vorm. Dr. Heinrich Byk. (See Grüter and Pohl, assignors.)
- Cheneaux, Edouard, Paris, France. Variable-speed gearing. No. 1,092,692; Apr. 7; Gaz. vol. 201; p. 195.
- Chenette, Frank A. (See Chenette, Frederick and F. A.)
- Chenette, Frederick, St. Albans, Vt., and F. A. Chenette, Worcester, Mass. Shut-off for gage-cocks. No. 1,106,494; Aug. 11; Gaz. vol. 205; p. 361.
- Cheney, Herbert W., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Switch. No. 1,088,769; Mar. 3; Gaz. vol. 200; p. 32.
- Cheney, Herbert W., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Resistance unit for controllers. No. 1,094,121; Apr. 21; Gaz. vol. 201; p. 753.
- Cheney, Herbert W., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Engineer's valve. No. 1,111,439; Sept. 22; Gaz. vol. 206; p. 1033.

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- Cheney, Herbert W., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Safety-switch. No. 1,113,102; Oct. 6; Gaz. vol. 207; p. 237.
- Cheney, Herbert W., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Engineer's valve. No. 1,116,801; Nov. 10; Gaz. vol. 208; p. 504.
- Cheney, Jonathan M., Ashland, N. H. Throttle control for motor-vehicles. No. 1,115,395; Oct. 27; Gaz. vol. 207; p. 1179.
- Chenoweth, Alexander C., New York, N. Y. Method of and apparatus for producing cementitious elements. No. 1,101,727; June 30; Gaz. vol. 203; p. 1338.
- Chenoweth, Arthur N., assignor of one-half to W. R. Upson, Waterbury, Conn. Folding top for vehicles. No. 1,083,273; Jan. 6; Gaz. vol. 198; p. 4.
- Chenoweth, Edwin G., Blue Island, J. J. Acker, Chicago, and G. A. Hull, Moline, Ill. Underframe for freight-cars. No. 1,122,254; Dec. 29; Gaz. vol. 209; p. 1327.
- Cheout, Jacob B., Des Moines, Iowa. Attachment for wagon-reaches. No. 1,093,312; Apr. 14; Gaz. vol. 201; p. 444.
- Chéraz, Pacifique, Widnoon, Pa. Acetylene-generator. No. 1,084,787; Jan. 20; Gaz. vol. 198; p. 568.
- Cherbonnier, George C., Ferguson, assignor to American Car and Foundry Company, St. Louis, Mo. Car-door-operating mechanism. No. 1,084,728; Jan. 20; Gaz. vol. 198; p. 548.
- Cherbonnier, George C., assignor to American Car and Foundry Company, St. Louis, Mo. Car-door-operating mechanism. No. 1,084,729; Jan. 20; Gaz. vol. 198; p. 548.
- Cherbonnier, George C., assignor to American Car and Foundry Company, St. Louis, Mo. Door-operating mechanism. No. 1,109,614; Sept. 1; Gaz. vol. 206; p. 266.
- Chernack, Abel E., Providence, R. I. Let-off for looms. No. 1,105,587; July 28; Gaz. vol. 204; p. 1306.
- Chernack, Abel E., Providence, R. I. Let-off for looms. No. 1,105,588; July 28; Gaz. vol. 204; p. 1307.
- Chernack, Abel E., Providence, R. I. Loom. No. 1,117,791; Nov. 17; Gaz. vol. 208; p. 892.
- Chernack, Abraham E., Providence, assignor to Chernack Manufacturing Company, Pawtucket, R. I. Loom for weaving tubular fabric. No. 1,088,061; Feb. 24; Gaz. vol. 199; p. 1006.
- Chernack Manufacturing Company. (See Chernack, Abraham E., assignor.)
- Chéron, Louis C. D. A., Paris, France. Stereoscope. No. 1,114,232; Oct. 20; Gaz. vol. 207; p. 720.
- Chesbro, John J., Oneonta, N. Y. Lawn-mower sharpener. No. 1,092,021; Mar. 31; Gaz. vol. 200; p. 1310.
- Chesher, Harry, Philadelphia, Pa. Nut-lock. No. 1,083,919; Jan. 13; Gaz. vol. 198; p. 246.
- Chesher, Harry, Philadelphia, Pa. Nut-lock. No. 1,087,275; Feb. 17; Gaz. vol. 199; p. 686.
- Cheshire, Carey A. (See Richards, Brayton G., assignor.)
- Cheshire, Carey A., Des Moines, Iowa. Feeding mechanism. No. 1,097,750; May 26; Gaz. vol. 202; p. 1009.
- Chesley, Arthur C., New York, N. Y. Mortise latch and lock. No. 1,089,324; Mar. 3; Gaz. vol. 200; p. 221.
- Chesney, Lomen E., Steubenville, Ohio. Nut-lock. No. 1,091,293; Mar. 24; Gaz. vol. 200; p. 1020.
- Chesnut, Frank, *et al.* (See Bryant, Clarence R., assignor.)
- Chesnutt, John L., Kansas City, Mo. Elevating-truck. No. 1,095,267; May 5; Gaz. vol. 202; p. 32.
- Chesser, Lewis, Wilson, Wash. Soil-pulverizer. No. 1,089,325; Mar. 3; Gaz. vol. 200; p. 221.
- Chester Steel Castings Company. (See Hysore, Charles E., assignor.)
- Cheting, Chung, San Francisco, Cal. Shrimp-net. No. 1,103,173; July 14; Gaz. vol. 204; p. 379.
- Chevallard, John B., Jr., Columbus, Ohio. Lighting device. No. 1,108,970; Sept. 1; Gaz. vol. 206; p. 39.
- Cheviron, Julian J., Detroit, Mich. Metal-sash-bar joint. No. 1,114,731; Oct. 27; Gaz. vol. 207; p. 946.
- Chevrolet, Arthur, Jackson, Mich. Piston-ring. No. 1,094,057; Apr. 21; Gaz. vol. 201; p. 733.
- Chevrolet, Louis. (See Boischevalier, Henri de, assignor.)
- Chevrolet, Louis, and E. Planche, assignors to Chevrolet Motor Company, Detroit, Mich. Motor-suspension mechanism. No. 1,088,124; Feb. 24; Gaz. vol. 199; p. 1028.
- Chevrolet Motor Company. (See Chevrolet and Planche, assignors.)
- Chevrolet Motor Company. (See Trumble, John T., assignor.)
- Chew, David, assignor of one-half to E. G. Idell, Philadelphia, Pa. Car-fender. No. 1,087,276; Feb. 17; Gaz. vol. 199; p. 686.
- Chi-Ill-Electric Company. (See Deiser, Frederick, assignor.)
- Chi-Ill-Electric Company. (See Nilsson, Emil B., assignor.)
- Chiapponi, Marco, Paris, France. Making articles from slag. No. 1,114,581; Oct. 20; Gaz. vol. 207; p. 842.
- Chiavetta, Michael, New York, N. Y. Time-switch. No. 1,106,281; Aug. 4; Gaz. vol. 205; p. 239.
- Chicago Car Heating Company. (See Schreiber, Edward A., assignor.)
- Chicago Carton Company. (See Richardson, Ralph R., assignor.)
- Chicago-Cleveland Car Roofing Company. (See Klohs, Sam F., assignor.)
- Chicago-Cleveland Car Roofing Company. (See Russell, Thomas N., assignor.)
- Chicago Electric Meter Company. (See Hall, Chester I., assignor.)
- Chicago Electric Meter Company. (See Willis, George M., assignor.)
- Chicago Eye Shield Co., The. (See Hansen, Hans H., assignor.)
- Chicago Manufacturing and Distributing Company. (See Buckius, Albert O., Jr., assignor.)
- Chicago Mfg. & Distributing Company. (See Wright, Gordon K., assignor.)
- Chicago Pneumatic Tool Co. (See Hayes, George H., assignor.)
- Chicago Pneumatic Tool Company. (See Coates, Charles B., assignor.)
- Chicago Pneumatic Tool Company. (See Duntley, William O., assignor.)
- Chicago Pneumatic Tool Company. (See Kimman, Henry J. and T. P., assignors.)
- Chicago Pneumatic Tool Company. (See Mackie, Edwin M., assignor.)
- Chicago Pneumatic Tool Company. (See Sherwood, Mather W., assignor.)
- Chicago Pneumatic Tool Company. (See Summers, Lewis E., assignor.)
- Chicago Railway Equipment Company. (See Harrison, Philip B., assignor.)
- Chicago Railway Equipment Company. (See Le Beau, Ernest A., assignor.)
- Chicago Railway Equipment Company. (See White, Edward L., assignor.)
- Chicago Railway Equipment Company. (See Williams, Charles H., Jr., assignor.)
- Chicago Safety Appliance Company. (See Hawk, Lewis E., assignor.)
- Chicago Safety Appliance Company. (See Shreve, Harry B., assignor.)
- Chicago Signal Company. (See Levison, Maurice, assignor.)
- Chicago Spring Butt Company. (See Keene, William J., assignor.)
- Chicago Standard Equipment Company. (See Dunderdale, Herbert, assignor.)
- Chicago Title and Trust Company. (See McKenzie, Dougal J., assignor.)
- Chicago Title and Trust Company, trustee. (See Neidig, William J., assignor.)
- Chicago Varnish Company. (See Burch, John S., assignor.)
- Chicago Varnish Company. (See Moranz, Gustave F., assignor.)
- Chichester, Robert E., Eaton, Norwich, England. Apparatus for producing malt. No. 1,117,323; Nov. 17; Gaz. vol. 208; p. 727.
- Chick, Lamont H., *et al.*, executors. (See Webster, Edwin A.)
- Chickering, Frank W., assignor of one-half to J. J. Gallagher, Hardwick, Vt. Safety holdback-iron. No. 1,107,898; Aug. 18; Gaz. vol. 205; p. 900.
- Chidley, Joseph, Cleveland, Ohio. Sprinkler device for locomotives. No. 1,091,631; Mar. 31; Gaz. vol. 200; p. 1177.
- Chidley, Joseph, Cleveland, Ohio, assignor to L. Parish, New York, N. Y. Lookout device for windows and the like. No. 1,102,320; July 7; Gaz. vol. 204; p. 34.
- Chiger, Siegmund, Berlin, Germany. Cash-till. No. 1,084,608; Jan. 20; Gaz. vol. 198; p. 504.
- Chiger, Siegmund, Berlin, Germany. Change-giving apparatus. No. 1,086,510; Feb. 10; Gaz. vol. 199; p. 370.
- Chigris, Thomas, Knappa, Oreg. Rigging coupling-link. No. 1,108,337; Aug. 25; Gaz. vol. 205; p. 1103.
- Child, Charles, and A. H. Keir, Wallace, Cal. Scraper. No. 1,117,324; Nov. 17; Gaz. vol. 208; p. 727.
- Child, Charles, and A. H. Keir, Wallace, Cal. Scraper. No. 1,120,281; Dec. 8; Gaz. vol. 209; p. 513.
- Child & Miller Co. (See Miller, Frank C., assignor.)
- Childers, Beverly O. (See Elders, George C., assignor.)
- Childress, Clarence P., Schuyler, Nebr. Fly-killing device. No. 1,103,032; July 14; Gaz. vol. 204; p. 329.
- Childress, Clarence P., Schuyler, Nebr. Adjustable wagon-reach. No. 1,120,132; Dec. 8; Gaz. vol. 209; p. 460.
- Childress, Henderson P., Memphis, Tenn. Combined bale-tie buckle and identification-tag. No. 1,121,799; Dec. 22; Gaz. vol. 209; p. 1128.
- Childress, Henderson P., Memphis, Tenn. Bale-tie buckle. No. 1,121,800; Dec. 22; Gaz. vol. 209; p. 1128.
- Childress, Henderson P., Memphis, Tenn. Bale-tie buckle. No. 1,121,801; Dec. 22; Gaz. vol. 209; p. 1129.
- Childs, Joseph G., Willesden Green, England. Wind-turbine. No. 1,110,535; Sept. 15; Gaz. vol. 206; p. 676.
- Chilen, George W., Longbeach, Cal. Washing-machine. No. 1,090,275; Mar. 17; Gaz. vol. 200; p. 639.
- Chillis, William G., assignor of one-third to N. Noto, Klotzville, La. Spark-arrester. No. 1,090,026; Mar. 10; Gaz. vol. 200; p. 512.

Alphabetical list of patentees—Continued.

- Chilson, Marvin L., Webster, S. D. Pressure-gage. No. 1,089,326; Mar. 3; Gaz. vol. 200; p. 221.
- Chilson, Matthew E., Beerston, N. Y. Currycomb. No. 1,092,022; Mar. 31; Gaz. vol. 200; p. 1310.
- Chindahl, George L. (See Andrews, Ernest J., assignor.)
- Chindgren, Gustaf, Denver, Colo. Paint-can carrier. No. 1,109,161; Sept. 1; Gaz. vol. 206; p. 107.
- Chiniqny, William F., and W. O. Winch, Chicago, Ill. Process and machine for shaping and pressing hats. No. 1,108,428; Aug. 25; Gaz. vol. 205; p. 1133.
- Chiniqny, William F., and W. O. Winch, Chicago, Ill. Device for treating hat-blanks. No. 1,111,363; Sept. 22; Gaz. vol. 206; p. 1007.
- Chinn, Elmer E., Pomona, Cal. Orchard-heater. No. 1,086,275; Feb. 3; Gaz. vol. 199; p. 243.
- Chinoín gyógyszer és vegyészeti termékek gyára r. t. /Dr. Kereszty és Dr. Wolf/. (See Wolf, Emil, assignor.)
- Chipley, William G., Atlanta, Ga. Reinforced tie. No. 1,088,062; Feb. 24; Gaz. vol. 199; p. 1007.
- Chipley, William G., Atlanta, Ga. Shock-absorber. No. 1,121,476; Dec. 15; Gaz. vol. 209; p. 980.
- Chipman, William E., Easton, Pa. Device for turning welts on hosiery. No. 1,101,522; June 30; Gaz. vol. 203; p. 1269.
- Chiron, Hippolyte M., Vancouver, British Columbia, Canada. Flying-machine. No. 1,106,626; Aug. 11; Gaz. vol. 205; p. 409.
- Chisham, William R., Hannibal, Mo. Clothes-washer. No. 1,092,896; Apr. 14; Gaz. vol. 201; p. 300.
- Chisholm, Charles W. (See Phillips, Ross M. G., assignor.)
- Chisholm, Hugh J. (See Bache-Wüg, Carl, assignor.)
- Chisholm, Jesse C., assignor to The Chisholm Process Oil Refining Company, Dallas, Tex. Apparatus for making lard substitute. No. 1,113,151; Oct. 6; Gaz. vol. 207; p. 255.
- Chisholm, Jesse C., assignor to The Chisholm Process Oil Refining Company, Dallas, Tex. Making lard substitute. No. 1,114,963; Oct. 27; Gaz. vol. 207; p. 1029.
- Chisholm Process Oil Refining Company, The. (See Chisholm, Jesse C., assignor.)
- Chittenden, George B., Chillito, Ariz. Extracting copper. No. 1,104,410; July 21; Gaz. vol. 204; p. 846.
- Chittenden, Herbert J. (See Schaekel, Frederick C., assignor.)
- Chittum, William L., Spring Hill, W. Va. Car-mover. (Reissue.) No. 1,3734; May 26; Gaz. vol. 202; p. 1225.
- Chmara, Anastasius A. (See Chmara, Leo A. and A. A.)
- Chmara, Leo A. and A. A., Bay City, Mich. Rail-joint. No. 1,097,301; May 19; Gaz. vol. 202; p. 809.
- Choate, Charles N., Woodstock, Ontario, Canada, assignor to F. E. Van Atta, Northville, Mich. Root-shredder. No. 1,099,966; June 16; Gaz. vol. 203; p. 627.
- Choate, Nai, Washington, D. C. Starting device for internal-combustion engines. No. 1,085,541; Jan. 27; Gaz. vol. 198; p. 859.
- Choate, William E., Melrose, Mass. Simultaneously making a master printing plate or form and a cross-reference index-card. No. 1,084,313; Jan. 13; Gaz. vol. 198; p. 381.
- Choate, William E., Melrose, Mass. Simultaneous production of a stencil and a cross-reference card. No. 1,084,314; Jan. 13; Gaz. vol. 198; p. 381.
- Choate, William E., Melrose, Mass. Stencil unit. No. 1,084,315; Jan. 13; Gaz. vol. 198; p. 381.
- Cholewa, Anton, Berlin - Wilmersdorf, Germany. Game. No. 1,112,769; Oct. 6; Gaz. vol. 207; p. 126.
- Chopin, Alexis. (See Blondel and Chopin.)
- Choquette, Dosithe, Worcester, Mass. Table. No. 1,123,096; Dec. 29; Gaz. vol. 209; p. 1619.
- Choralcelo Manufacturing Company. (See Severy and Sinclair, assignors.)
- Chouinard, Oscar, assignor, by mesne assignments, to J. W. Berwick, New York, N. Y. Apparatus for marking photographic films or plates. No. 1,084,592; Jan. 13; Gaz. vol. 198; p. 473.
- Chowning, William M., et al. (See Bricker, Edward J., assignor.)
- Chrisman, Horace, Edgewood Park, Pa., assignor to Pittsburgh Meter Company. Gas-meter. No. 1,089,393; Mar. 10; Gaz. vol. 200; p. 290.
- Chrisman, Horace, Edgewood Park, Pa., assignor to Pittsburgh Meter Company. Water-meter. No. 1,094,058; Apr. 21; Gaz. vol. 201; p. 733.
- Chrisman, Horace, Edgewood Park, assignor to Pittsburgh Meter Company, East Pittsburgh, Pa. Meter system. No. 1,118,921; Dec. 1; Gaz. vol. 209; p. 5.
- Chrisman, Horace, Edgewood Park, assignor to Pittsburgh Meter Company, East Pittsburgh, Pa. Metering device. No. 1,118,922; Dec. 1; Gaz. vol. 209; p. 6.
- Chrisman, Horace, Edgewood Park, Pa., assignor to Pittsburgh Meter Company. Meter. No. 1,119,684; Dec. 1; Gaz. vol. 209; p. 270.
- Chrisman, Horace, Edgewood Park, Pa., assignor to Pittsburgh Meter Company. Meter system. No. 1,120,905; Dec. 15; Gaz. vol. 209; p. 782.
- Christel, Carl H., Berlin, Germany, assignor to Mergenthaler Linotype Company. Linotype-machine. No. 1,095,309; May 5; Gaz. vol. 202; p. 47.
- Christel, Carl H., Berlin, Germany, assignor to Mergenthaler Linotype Company. Matrix for use in typographical machines. No. 1,095,310; May 5; Gaz. vol. 202; p. 47.
- Christel, George R., Denver, Colo. Hair-brush. No. 1,085,018; Jan. 20; Gaz. vol. 198; p. 645.
- Christensen, Albert, Dalton, Nebr. Mail-box. No. 1,094,529; Apr. 28; Gaz. vol. 201; p. 950.
- Christensen, Carl, Charlottenlund, near Copenhagen, Denmark. Combined milk cooler and strainer. No. 1,114,964; Oct. 27; Gaz. vol. 207; p. 1030.
- Christensen, Carl, Bradley, assignor, by mesne assignments, to Sears, Roebuck & Company, Chicago, Ill. Gang-plow. No. 1,083,594; Jan. 6; Gaz. vol. 198; p. 111.
- Christensen, Egner, Montrose, Iowa. Hand-planter. No. 1,120,598; Dec. 8; Gaz. vol. 209; p. 627.
- Christensen, Eric T. (See Tulloch, David M., assignor.)
- Christensen, Hans, Seattle, Wash. Telephone-indicator. No. 1,102,719; July 7; Gaz. vol. 204; p. 173.
- Christensen, Hans W., Boston, Mass. Microphone attachment for telephones. No. 1,110,420; Sept. 15; Gaz. vol. 206; p. 636.
- Christensen, Hawley W., Monmouth, Ill. Alarm attachment for clocks. No. 1,115,396; Oct. 27; Gaz. vol. 207; p. 1180.
- Christensen, Jesse, Clarinda, Iowa. Clock. No. 1,120,599; Dec. 8; Gaz. vol. 209; p. 627.
- Christensen, John P., Newark, N. J. Dumping-wagon. No. 1,113,409; Oct. 13; Gaz. vol. 207; p. 391.
- Christensen, Lars P., Chicago, Ill. Flame-spreader. No. 1,121,712; Dec. 22; Gaz. vol. 209; p. 1099.
- Christensen, Niels A., Milwaukee, Wis. Air-brake system and apparatus. No. 1,116,564; Nov. 10; Gaz. vol. 208; p. 419.
- Christensen, Niels C., Jr., and T. P. Holt; said Christensen assignor to G. H. Dern, Salt Lake City, Utah. Treating ores. No. 1,107,240; Aug. 11; Gaz. vol. 205; p. 622.
- Christensen, Sigurd B., Granville, Iowa. Planter. No. 1,092,241; Apr. 7; Gaz. vol. 201; p. 40.
- Christensen, Stanley, Powers Lake, N. D. Harvester-reel. No. 1,113,602; Oct. 13; Gaz. vol. 207; p. 458.
- Christenson, Martin A., Northfield, Minn. Adjustable stay for doors and gates. No. 1,088,125; Feb. 24; Gaz. vol. 199; p. 1028.
- Christian, Gilbert, Detroit, Mich. Carbureter. No. 1,110,041; Sept. 8; Gaz. vol. 206; p. 460.
- Christian, Herbert W., Longbeach, Cal. Heating apparatus for water-bottles. No. 1,086,646; Feb. 10; Gaz. vol. 199; p. 418.
- Christian, Sidney A., Fulbright, Tex. Combined generator and burner. No. 1,089,532; Mar. 10; Gaz. vol. 200; p. 343.
- Christiani, Fritz R., Hamburg, Germany. Device for guiding piles in pile-drivers. No. 1,115,782; Nov. 3; Gaz. vol. 208; p. 106.
- Christians, George W. (See Murray and Christians.)
- Christiansen, Julius C., Elizabeth, N. J. Combined ladder and chair. No. 1,085,592; Feb. 3; Gaz. vol. 199; p. 5.
- Christiansen, William F., assignor to Sharp & Smith, Chicago, Ill. Branding-iron. No. 1,101,616; June 30; Gaz. vol. 203; p. 1302.
- Christianson, Andrew, Butler, assignor to Standard Motor Truck Co., Pittsburgh, Pa. Long spring-base for trucks. No. 1,092,824; Apr. 14; Gaz. vol. 201; p. 276.
- Christianson, Andrew, Butler, assignor to Standard Steel Car Company, Pittsburgh, Pa. Car-door mechanism. No. 1,121,164; Dec. 15; Gaz. vol. 209; p. 874.
- Christianson, Andrew, Butler, assignor to Standard Steel Car Company, Pittsburgh, Pa. Hopper-car. No. 1,121,165; Dec. 15; Gaz. vol. 209; p. 875.
- Christianson, Anton B., Hendricks, Minn. Grain weigher and measurer. No. 1,105,618; Aug. 4; Gaz. vol. 205; p. 10.
- Christianson, Edward, Woodbridge, N. J. Perpetual call-guide. No. 1,122,860; Dec. 29; Gaz. vol. 209; p. 1536.
- Christie, Alexander. (See Culbertson, Esta F., assignor.)
- Christie, Evi W., Sewaren, assignor to Wheeler Condenser and Engineering Company, Carteret, N. J. Dry vacuum-pump. No. 1,093,313; Apr. 14; Gaz. vol. 201; p. 445.
- Christie, Evi W., Sewaren, assignor to Wheeler Condenser and Engineering Company, Carteret, N. J. Surface condenser. No. 1,105,320; July 28; Gaz. vol. 204; p. 1212.
- Christie, Thomas C., Lebanon, Ohio. Automatic furnace-damper regulator. No. 1,093,534; Apr. 14; Gaz. vol. 201; p. 513.
- Christie, Walter, Highwood Park, N. J. Clutch. No. 1,107,588; Aug. 18; Gaz. vol. 205; p. 793.
- Christman, Matthias, assignor of one-third to H. L. Bissett and one-third to G. A. McLaughlin, Springfield, Mo. Hub-plate. No. 1,091,192; Mar. 24; Gaz. vol. 200; p. 987.
- Christman, Peter, Green Bay, Wis. Quadruple-impulse pump. No. 1,090,276; Mar. 17; Gaz. vol. 200; p. 639.
- Christman, Peter, Green Bay, Wis. Rotary pump. No. 1,092,139; Apr. 7; Gaz. vol. 201; p. 5.
- Christmas Aeroplane Company. (See Christmas, William W., assignor.)

Alphabetical list of patentees—Continued.

- Christmas, William W., assignor to Christmas Aeroplane Company, Washington, D. C. Flying-machine. No. 1,095,548; May 5; Gaz. vol. 202; p. 129.
- Christoffel, John M., Milwaukee, Wis. Fluid-motor. No. 1,103,700; Aug. 25; Gaz. vol. 205; p. 1227.
- Christoffersen, Hans, assignor of one-fourth to J. C. Bruhn and one-fourth to W. H. Klas, Tilden, Nebr. Corn-planter. No. 1,086,511; Feb. 10; Gaz. vol. 199; p. 370.
- Christopher, Calvin F., Asheville, N. C. Dinner-pail. No. 1,093,110; Apr. 14; Gaz. vol. 201; p. 373.
- Christopherson, Hans C. B. (See Johansson, Carl A., assignor.)
- Christopherson, Ole A., Seattle, Wash. Sharpening device. No. 1,100,418; June 16; Gaz. vol. 203; p. 786.
- Christopherson, Ole A., assignor of one-fourth to F. W. Chandler and one-fourth to O. Larsen, Seattle, Wash. Wrench. No. 1,099,427; June 9; Gaz. vol. 203; p. 407.
- Christy, Henry A., assignor to American Car Roof Company, Chicago, Ill. Car-roof. No. 1,112,053; Sept. 29; Gaz. vol. 206; p. 1281.
- Christy, James, Chicago, Ill. Mechanism for securing balls to tape or the like. No. 1,107,758; Aug. 18; Gaz. vol. 205; p. 854.
- Christy, James R. (See Eva, Gray, and Christy.)
- Christy, John W., Salt Lake City, Utah. Dress-weight. No. 1,097,705; May 26; Gaz. vol. 202; p. 992.
- Christy, Joseph M., Des Moines, Iowa. Box-car loader. No. 1,084,788; Jan. 20; Gaz. vol. 198; p. 569.
- Chritton, James M., Rocky Ford, Colo. Hat-pin fastener and protector. No. 1,088,967; Mar. 3; Gaz. vol. 200; p. 101.
- Chrome Steel Works. (See Canda, Ferdinand E., assignor.)
- Chronik, August and L., New York, N. Y. Kineto-graphic apparatus. No. 1,106,980; Aug. 4; Gaz. vol. 205; p. 172.
- Chronik, Louis. (See Chronik, August and L.)
- Chronis, Aris D., Larissa, Greece, assignor to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Breech mechanism for automatic fire-arms. No. 1,096,679; May 12; Gaz. vol. 202; p. 547.
- Chrysler, Charles B., Chicago, Ill. Controller for motor-chairs. No. 1,098,939; June 2; Gaz. vol. 203; p. 198.
- Chryst, William A. (See Kettering and Chryst.)
- Chrystal, Louis. (See Süssiss, Bernhard, assignor.)
- Chrzescinski, Otto. (See Merling, Chrzescinski, and Köhler.)
- Chubb, Lewis W., Edgewood, Pa. System of water-distribution. No. 1,108,550; Aug. 25; Gaz. vol. 205; p. 1177.
- Church, Albert E., New Britain, Conn. Chuck. No. 1,106,189; Aug. 4; Gaz. vol. 205; p. 211.
- Church, Albert E., New Britain, Conn. Chuck. No. 1,117,480; Nov. 17; Gaz. vol. 208; p. 781.
- Church, Clifford C., Grand Rapids, Mich. Collapsible cut-out toy. No. 1,111,216; Sept. 22; Gaz. vol. 206; p. 957.
- Church, Edmund S., Dayton, Ohio. Driving mechanism. No. 1,099,116; June 2; Gaz. vol. 203; p. 253.
- Church, Edmund S., assignor to The National Cash Register Company, Dayton, Ohio. Time-printer. No. 1,087,215; Feb. 17; Gaz. vol. 199; p. 665.
- Church, Edmund S., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,100,819; June 23; Gaz. vol. 203; p. 974.
- Church, Edmund S., assignor to The National Cash Register Company, Dayton, Ohio. Recording and change-making machine. No. 1,118,106; Nov. 24; Gaz. vol. 208; p. 1040.
- Church, Edmund S., assignor to The National Cash Register Company, Dayton, Ohio. Auditing and totalizing mechanism. No. 1,118,185; Nov. 24; Gaz. vol. 208; p. 1067.
- Church, George W., Stamford, Conn., assignor to R. Hoe and Co., New York, N. Y. Paper-roll-driving mechanism. No. 1,093,913; Apr. 21; Gaz. vol. 201; p. 685.
- Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,122,074; Dec. 22; Gaz. vol. 209; p. 1226.
- Church, Herbert. (See Passage, William, assignor.)
- Church, Melvin B., Grand Rapids, Mich. Motor traction-wheel. No. 1,090,684; Mar. 17; Gaz. vol. 200; p. 781.
- Church, Nathan E., Pittsfield, Mass. Electromagnetic brake. No. 1,101,997; June 30; Gaz. vol. 203; p. 1435.
- Church, Richard N., Spokane, Wash., assignor to H. B. Sherman Manufacturing Co., Battle Creek, Mich. Machine for attaching and detaching hose-couplings. No. 1,094,978; Apr. 28; Gaz. vol. 201; p. 1110.
- Church, Richard N., Spokane, Wash., assignor to The Republic Rubber Company, Youngstown, Ohio. Concentrator-belt. No. 1,100,654; June 16; Gaz. vol. 203; p. 862.
- Church, Walter D., Caledonia, Ill. Silo-roof. No. 1,109,109; Sept. 1; Gaz. vol. 206; p. 89.
- Church, William L., assignor to Ambursen Company, Boston, Mass. Reinforced concrete construction. No. 1,097,915; May 26; Gaz. vol. 202; p. 1069.
- Church, William L., Newton, assignor to Ambursen Company, Boston, Mass. Dam. No. 1,097,916; May 26; Gaz. vol. 202; p. 1069.
- Church, William L., Newton, assignor to Ambursen Company, Boston, Mass. Paving for earth-fill dams. No. 1,099,487; June 9; Gaz. vol. 203; p. 427.
- Church, William L., Newton, assignor to Ambursen Company, Boston, Mass. Dam. No. 1,101,785; June 30; Gaz. vol. 203; p. 1359.
- Church, William L., Newton Center, assignor to Ambursen Company, Boston, Mass. Protective coating for metallic members. No. 1,104,346; July 21; Gaz. vol. 204; p. 825.
- Church, William L., New York, N. Y., assignor to Ambursen Company, Boston, Mass. Reinforced concrete construction. (Reissue.) No. 13,775; July 21; Gaz. vol. 204; p. 968.
- Churchill, Frederick C. (See Keene, George F., assignor.)
- Churchill, William, Corning, N. Y. Lens and mirror mounting. No. 1,102,138; June 30; Gaz. vol. 203; p. 1485.
- Churchill, William, assignor to Corning Glass Works, Corning, N. Y. Optical system for headlights. No. 1,092,560; Apr. 7; Gaz. vol. 201; p. 150.
- Churchward, Alexander, New York, N. Y., assignor to General Electric Company. System of vehicle propulsion. No. 1,091,632; Mar. 31; Gaz. vol. 200; p. 1177.
- Churchward, Alexander, New York, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 1,094,778; Apr. 28; Gaz. vol. 201; p. 1040.
- Churchward International Steel Company. (See Churchward, James, assignor.)
- Churchward, James, Mount Vernon, assignor to Churchward International Steel Company, New York, N. Y. Alloyed steel. No. 1,122,861; Dec. 29; Gaz. vol. 209; p. 1537.
- Churning, Edward C. (See McFarland and Churning.)
- Chweiback, Joseph, Kimberley, Cape Colony, South Africa. Hand-truck. No. 1,086,026; Feb. 3; Gaz. vol. 199; p. 160.
- Clampaglia, Joseph, Louisville, Ky. Baking apparatus. No. 1,108,701; Aug. 25; Gaz. vol. 205; p. 1227.
- Clarante, Ariberto E., Boston, Mass. Paper box. No. 1,122,366; Dec. 29; Gaz. vol. 209; p. 1363.
- Ciarlo, Esteban, South Bethlehem, Pa. Hydraulic variable-speed-transmission device. No. 1,111,994; Sept. 29; Gaz. vol. 206; p. 1262.
- Cichocki, Jacob, Rochester, N. Y. Feed-bag. No. 1,097,169; May 19; Gaz. vol. 202; p. 763.
- Ciesla, John. (See Becker and Ciesla.)
- Ciglia, Ernest F., et al. (See Pelletier, Louis F., assignor.)
- Ciler, William. (See Epstein and Ciler.)
- Cilley, Leon L., and S. J. Brion, Addison, N. Y. Hasp-hook. No. 1,102,720; July 7; Gaz. vol. 204; p. 174.
- Cilley, Osborn H., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Method of and apparatus for moistening yarns. No. 1,090,971; Mar. 24; Gaz. vol. 200; p. 909.
- Cilley, Osborn H., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Yarn-conditioning machine. No. 1,092,976; Apr. 14; Gaz. vol. 201; p. 327.
- Cinch Expansion Bolt & Engineering Company. (See Rohmer, Gabriel E., assignor.)
- Cinch Expansion Bolt & Engineering Company. (See Rohmer and Booraem, assignors.)
- Cincinnati Cooperage Company, The. (See Hall, William A., assignor.)
- Cincinnati Frog and Switch Company, The. (See Ashton, George, assignor.)
- Cincinnati Galvanizing Company. (See Schott, George M., assignor.)
- Cincinnati Galvanizing Company. (See Schott, Louis, assignor.)
- Cincinnati Gear Cutting Machine Company, The. (See Murray, Aristides R., assignor.)
- Cincinnati Grinder Company, The. (See Kimmel, George C., assignor.)
- Cincinnati Milling Machine Company, The. (See Baker, Arthur J., assignor.)
- Cincinnati Milling Machine Company, The. (See Baker and Hazelton, assignors.)
- Cincinnati Milling Machine Company, The. (See De Leeuw, Adolph L., assignor.)
- Cincinnati Milling Machine Company, The. (See Einstein, Sol, assignor.)
- Cincinnati Sand Blast Company, The. (See Clark, Frank R., assignor.)
- Ciolino, Pietro, New York, N. Y. Gage for sewing-machines. No. 1,094,122; Apr. 21; Gaz. vol. 201; p. 754.
- Cisne, William A., Independence, Mo. Fruit-picker. No. 1,090,685; Mar. 17; Gaz. vol. 200; p. 781.
- Citizens Savings and Trust Company, The, trustee. (See Hughes, Dow B., assignor.)
- Citoplate Gesellschaft mit beschränkter Haftung. (See Seidel, Georg, assignor.)
- Civita, Tony, and B. C. Leghorn, Arlington, Oreg. Combined rake, grader, and snow-scraper. No. 1,093,535; Apr. 14; Gaz. vol. 201; p. 514.
- Cizek, John V., Clutier, Iowa. Hopper for grain-elevators. No. 1,092,093; Mar. 31; Gaz. vol. 200; p. 1335.
- Cizek, John V., Clutier, Iowa. Portable elevator. No. 1,114,112; Oct. 20; Gaz. vol. 207; p. 676.

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- Cladel, Edward, New York, N. Y. Sanitary garbage-can. No. 1,093,536; Apr. 14; Gaz. vol. 201; p. 514.
- Clafin, Charles A., Medford, Mass. Tube or pipe joint. No. 1,109,042; Sept. 1; Gaz. vol. 206; p. 66.
- Clairemont, Victor, assignor to National Egg Company, San Francisco, Cal. Preserving eggs. No. 1,092,897; Apr. 14; Gaz. vol. 201; p. 300.
- Claisen, Ludwig, Godesberg, near Bonn, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. C-allyl salicylic acid. No. 1,094,123; Apr. 21; Gaz. vol. 201; p. 754.
- Claitor, Lilburn S., and R. C. Mahagan, Petersburg, Tex. Traction-engine. No. 1,084,069; Jan. 13; Gaz. vol. 198; p. 298.
- Clamer, Guillian H., Philadelphia, Pa. Making an iron-nickel-copper alloy. No. 1,086,314; Feb. 3; Gaz. vol. 199; p. 255.
- Clancy, Charles E., Los Angeles, Cal. Clamping device for stretching-frames. No. 1,085,320; Jan. 27; Gaz. vol. 198; p. 787.
- Clancy, John C., assignor of fifty-one one-hundredths to Portland Gold Mining Company, Colorado Springs, Colo. Making of alkali cyanogen compounds. No. 1,112,893; Oct. 6; Gaz. vol. 207; p. 168.
- Clandening, William H., Carman, Manitoba, Canada. Automatic ventilator-controller. No. 1,093,314; Apr. 14; Gaz. vol. 201; p. 445.
- Clapp, Albert L., Braintree, assignor to Hide-It Leather Company, Boston, Mass. Production of leather-fiber board. No. 1,119,345; Dec. 1; Gaz. vol. 209; p. 154.
- Clapp, Cassius M., *et al.* (See Burnett, Charles E., assignor.)
- Clapp, Charles W., assignor to Oliver Chilled Plow Works, South Bend, Ind. Clevis attachment for plows. No. 1,095,549; May 5; Gaz. vol. 202; p. 130.
- Clapperton, Alexander, Yonkers, N. Y. Protecting device for the tubes of pile-fabric looms. No. 1,089,822; Jan. 10; Gaz. vol. 200; p. 442.
- Clarage, Edson D., Cleveland, Ohio. Lock for clutch-pedals. No. 1,102,875; July 7; Gaz. vol. 204; p. 228.
- Clare, Charles E., assignor to Sharp & Smith, Chicago, Ill. Urinal. No. 1,105,488; July 28; Gaz. vol. 204; p. 1272.
- Clarín, Werner E., assignor of one-half to A. Nelson, Chicago, Ill. Gas-heater. No. 1,107,589; Aug. 18; Gaz. vol. 205; p. 794.
- Clark, Albert R., Indianapolis, Ind. Sanitary closet. No. 1,096,490; May 12; Gaz. vol. 202; p. 484.
- Clark, Alexander G., Wimbledon Park, Surrey, England. Valve for internal-combustion engines. No. 1,112,523; Oct. 6; Gaz. vol. 207; p. 39.
- Clark, Alexander M., Pittsburgh, Pa. Liquid-container. No. 1,084,609; Jan. 20; Gaz. vol. 198; p. 505.
- Clark, Andrew J., Prestonsburg, Ky. Churn. No. 1,101,404; June 23; Gaz. vol. 203; p. 1177.
- Clark, Arthur E., Villard, Minn. Buckle. No. 1,085,796; Feb. 3; Gaz. vol. 199; p. 78.
- Clark, Asa C., *et al.* (See Cobb, Luther, assignor.)
- Clark, Bennett F., assignor to The Carborundum Company, Niagara Falls, N. Y. Sickle-bar-holding attachment for grinding-machines. No. 1,107,033; Aug. 11; Gaz. vol. 205; p. 547.
- Clark, Bertha, New York, N. Y. Draw-string. No. 1,091,294; Mar. 24; Gaz. vol. 200; p. 1020.
- Clark, Bertha, New York, N. Y. Draw-string. No. 1,118,741; Nov. 24; Gaz. vol. 208; p. 1263.
- Clark, Byron G. (See Bayliss and Clark.)
- Clark, Carle D. (See Rocky, Eldridge, and Clark.)
- Clark, Charles E. (See Rea and Clark.)
- Clark, Charles E., Douglas, Wyo. Radiator. No. 1,120,282; Dec. 8; Gaz. vol. 209; p. 513.
- Clark, Charles E., Big Springs, assignor of forty one-hundredths to W. R. Moss, Sheridan, Ind. Variable-speed-transmission device. No. 1,083,348; Jan. 6; Gaz. vol. 198; p. 30.
- Clark, Charles G. (See Thacker and Clark.)
- Clark, Charles H., Seneca Falls, N. Y. Scrubbing device. No. 1,086,512; Feb. 10; Gaz. vol. 199; p. 371.
- Clark, Charles H., Watertown, Wis. Tile-laying machine. No. 1,112,894; Oct. 6; Gaz. vol. 207; p. 168.
- Clark, Charles H., Watertown, Wis. Capstan. No. 1,113,543; Oct. 13; Gaz. vol. 207; p. 439.
- Clark, Charles R., Plainville, Conn. Wind-shield. No. 1,093,974; Apr. 21; Gaz. vol. 201; p. 704.
- Clark, Charles S., Duxbury, Mass., assignor to Q. & C. Company, New York, N. Y. Trussed railway-rail. No. 1,121,612; Dec. 22; Gaz. vol. 209; p. 1062.
- Clark, Charles T. (See Farren and Clark.)
- Clark, Chester H., Ash Fork, Ariz. Grease-cup. No. 1,088,538; Feb. 24; Gaz. vol. 199; p. 1166.
- Clark, Christian W., Union, Nebr. Refrigerator-door latch. No. 1,100,009; June 16; Gaz. vol. 203; p. 643.
- Clark, Claude D., New York, N. Y. Barrel-making machine. No. 1,103,562; July 14; Gaz. vol. 204; p. 512.
- Clark, Clifford S., Meadowview, Va. Reversing-gear for engines. No. 1,117,325; Nov. 17; Gaz. vol. 208; p. 728.
- Clark, Clinton W. (See Bacon and Clark.)
- Clark Crank Company. (See Clark, William R., assignor.)
- Clark, Daniel M. (See Rule, Golden, assignor.)
- Clark, David C., *et al.* (See Simons, Kneeland T., assignor.)
- Clark, David H., Greensboro, N. C. Tensioning device for shuttles. No. 1,112,675; Oct. 6; Gaz. vol. 207; p. 95.
- Clark, David H., and R. J. Morton, Greensboro, N. C.; said Clark assignor to said Morton. Picker mechanism for looms. No. 1,087,082; Feb. 10; Gaz. vol. 199; p. 566.
- Clark, David P., Dayton, Ohio. Toy. No. 1,087,277; Feb. 17; Gaz. vol. 199; p. 687.
- Clark, David P., Dayton, Ohio. Toy. No. 1,101,060; June 23; Gaz. vol. 203; p. 1060.
- Clark, David P., Dayton, Ohio. Toy. No. 1,111,056; Sept. 22; Gaz. vol. 206; p. 902.
- Clark, Earl W. (See Clark, Emerson L. and E. W.)
- Clark, Edgar J., *et al.* (See Markham, Andrew J., assignor.)
- Clark, Edgar M., Alton, Ill. Distilling petroleum. No. 1,119,496; Dec. 1; Gaz. vol. 209; p. 206.
- Clark, Edward O., assignor of one-third to E. A. Moye, Spokane, Wash. Headlight-turning means. No. 1,110,536; Sept. 15; Gaz. vol. 206; p. 676.
- Clark, Edwin W., Chicago, Ill. Pump. No. 1,104,962; July 28; Gaz. vol. 204; p. 1087.
- Clark, Elmer, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Housing. No. 1,104,876; July 28; Gaz. vol. 204; p. 1058.
- Clark, Emerson L., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Coating projector-lamps with reflecting-surfaces. No. 1,121,802; Dec. 22; Gaz. vol. 209; p. 1129.
- Clark, Emerson L., Lakewood, Ohio, and E. W. Clark, Sharon, Pa. Vehicle. No. 1,122,686; Dec. 29; Gaz. vol. 209; p. 1476.
- Clark, Ernest G., De Kalb, assignor to Melville Clark Piano Company, Chicago, Ill. Range-extending device for pneumatic piano-player action. No. 1,104,164; July 21; Gaz. vol. 204; p. 762.
- Clark, Ernest G., De Kalb, assignor to Melville Clark Piano Company, Chicago, Ill. Paper-feed for perforating-machines. No. 1,108,338; Aug. 25; Gaz. vol. 205; p. 1103.
- Clark, Francis L., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,104,775; July 28; Gaz. vol. 204; p. 1022.
- Clark, Francis M., Garden City, N. Y., assignor to Multiple-Grate-Bar Endless Chain Stoker Company. Furnace-front. No. 1,094,702; Apr. 28; Gaz. vol. 201; p. 1014.
- Clark, Francis M., Garden City, N. Y., assignor to Multiple-Grate-Bar Endless Chain Stoker Company. Supporting mechanism for endless traveling grates. No. 1,094,703; Apr. 28; Gaz. vol. 201; p. 1014.
- Clark, Francis M., Garden City, N. Y., assignor to Multiple-Grate-Bar Endless Chain Stoker Company. Mechanical stoker. No. 1,120,445; Dec. 8; Gaz. vol. 209; p. 572.
- Clark, Francis X., Jr., and F. X., Sr., St. Louis, Mo. Roll-paper core. No. 1,098,479; June 2; Gaz. vol. 203; p. 42.
- Clark, Frank H., New York, N. Y., and G. R. Smith, Portsmouth, Va. Feed-water heater for locomotives. No. 1,104,776; July 28; Gaz. vol. 204; p. 1023.
- Clark, Frank R., assignor to The Cincinnati Sand Blast Company, Cincinnati, Ohio. Printing on tarlatan and other like fabrics. No. 1,106,364; Aug. 11; Gaz. vol. 205; p. 313.
- Clark, Fred V. (See Dallier, John J., assignor.)
- Clark, George, Bondi Beach, Sydney, New South Wales, Australia. Apparatus for molding concrete walls *in situ*. No. 1,101,484; June 23; Gaz. vol. 203; p. 1205.
- Clark, George D., Plainville, Conn. Corner-bead. No. 1,085,403; Jan. 27; Gaz. vol. 198; p. 815.
- Clark, George E., assignor to George P. Clark Company, Windsor Locks, Conn. Elevating-truck. No. 1,102,876; July 7; Gaz. vol. 204; p. 228.
- Clark, George R., assignor to Clark & Harvey, Dayton, Ohio. Automatic time-switch. No. 1,101,998; June 30; Gaz. vol. 203; p. 1435.
- Clark, George R., assignor to Clark & Harvey, Dayton, Ohio. Time-controlled operating mechanism. No. 1,109,280; Sept. 1; Gaz. vol. 206; p. 150.
- Clark, Harrison T., San Francisco, Cal. Conveyer. No. 1,090,777; Mar. 17; Gaz. vol. 200; p. 810.
- Clark, Harrison T., San Francisco, Cal. Confetti-bomb. No. 1,090,778; Mar. 17; Gaz. vol. 200; p. 811.
- Clark & Harvey. (See Clark, George R., assignor.)
- Clark, Horace E. (See Medley, John R., assignor.)
- Clark, J. Spencer. (See Knackstedt, Louis C., assignor.)
- Clark, James H., Los Angeles, Cal. Fish-hook. No. 1,100,055; June 16; Gaz. vol. 203; p. 658.
- Clark, James H., Flint, Mich. Drafting instrument. No. 1,112,264; Sept. 29; Gaz. vol. 206; p. 1356.
- Clark, James H., assignor of one-half to J. M. Russell, St. Johns, Oreg. Wheel. No. 1,120,027; Dec. 8; Gaz. vol. 209; p. 424.
- Clark, John C. (See Gelvin and Clark.)
- Clark, John E., Flint, Mich. Bath for razor-hones. No. 1,092,023; Mar. 31; Gaz. vol. 200; p. 1311.
- Clark, John P. (See Conger, Charles A., assignor.)
- Clark, John S. (See Tolman, Gayger D., assignor.)
- Clark, John T., New York, N. Y. Freight-handling apparatus. No. 1,109,963; Sept. 8; Gaz. vol. 206; p. 433.

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- Clark, John T., New York, N. Y. Device for handling freight in packages. No. 1,109,964; Sept. 8; Gaz. vol. 206; p. 433.
- Clark, John T., New York, N. Y. Loading and unloading device. No. 1,109,965; Sept. 8; Gaz. vol. 206; p. 433.
- Clark, John T., Provo, Utah. Vehicle-tire. No. 1,117,481; Nov. 17; Gaz. vol. 208; p. 782.
- Clark, John W., Jr., Salt Lake City, Utah. Railway-tie. No. 1,092,641; Apr. 28; Gaz. vol. 201; p. 991.
- Clark, John W., Jr., Salt Lake City, Utah. Railway-tie. No. 1,105,023; July 28; Gaz. vol. 204; p. 1107.
- Clark, Joseph C., San Angelo, Tex. Lawn-mower. No. 1,104,291; July 21; Gaz. vol. 204; p. 805.
- Clark, Joseph Y., Winnipeg, Manitoba, Canada. Machine for producing multiple power. No. 1,122,687; Dec. 29; Gaz. vol. 209; p. 1476.
- Clark, Lawrence A., assignor to Archer Iron Works, Chicago, Ill. Bucket for hoist-towers. No. 1,089,046; Mar. 3; Gaz. vol. 200; p. 127.
- Clark, Lawson, and G. G. Jeffery, Barnesville, Ohio. Wire-stretcher. No. 1,120,790; Dec. 15; Gaz. vol. 209; p. 741.
- Clark, Le Vert, Detroit, Mich. Reinforced collapsible tube. No. 1,109,110; Sept. 1; Gaz. vol. 206; p. 90.
- Clark, Le Vert, Detroit, Mich. Automobile. No. 1,111,295; Sept. 22; Gaz. vol. 206; p. 984.
- Clark, Leonard J., Kansas City, Mo. Confectioner's oven. No. 1,117,326; Nov. 17; Gaz. vol. 208; p. 728.
- Clark, Louis F., assignor of one-half to I. A. Anderson, Grand Rapids, Mich. Internal combustion engine. No. 1,106,365; Aug. 11; Gaz. vol. 205; p. 313.
- Clark, Marcellus B., Akron, Ohio. Water-bottle. No. 1,117,327; Nov. 17; Gaz. vol. 208; p. 729.
- Clark, Maurice J., assignor to Northwestern Electric Company, Chicago, Ill. Winding-reel for dynamo-electric-machine coils. No. 1,088,126; Feb. 24; Gaz. vol. 199; p. 1028.
- Clark, Maurice J., assignor to Northwestern Electric Company, Chicago, Ill. Winding-reel for dynamo-electric-machine coils. No. 1,088,127; Feb. 24; Gaz. vol. 199; p. 1029.
- Clark, Melville, Chicago, Ill. Vehicle wheel-tire. No. 1,090,450; Mar. 17; Gaz. vol. 200; p. 702.
- Clark, Melville, Chicago, Ill. Vehicle wheel-tire. No. 1,108,702; Aug. 25; Gaz. vol. 205; p. 1228.
- Clark, Melville, Chicago, Ill. Vehicle wheel-tire. No. 1,108,703; Aug. 25; Gaz. vol. 205; p. 1228.
- Clark, Melville, assignor to Melville Clark Piano Company, Chicago, Ill. Automatic piano-playing mechanism. No. 1,086,276; Feb. 3; Gaz. vol. 199; p. 243.
- Clark, Melville, assignor to Melville Clark Piano Company, Chicago, Ill. Motor for automatic pianos. No. 1,089,748; Mar. 10; Gaz. vol. 200; p. 416.
- Clark, Melville A., Syracuse, N. Y. Harp. No. 1,105,879; Aug. 4; Gaz. vol. 205; p. 102.
- Clark, Morgan S., Roanoke, Va. Brake-operating means. No. 1,091,121; Mar. 24; Gaz. vol. 200; p. 962.
- Clark, Norris E., Plainville, Conn. Expanded metal. No. 1,086,027; Feb. 3; Gaz. vol. 199; p. 161.
- Clark, Norris E., Plainville, Conn. Metal fabric. No. 1,104,475; July 21; Gaz. vol. 204; p. 869.
- Clark, Norris E., Plainville, Conn. Metal fabric. No. 1,104,476; July 21; Gaz. vol. 204; p. 869.
- Clark, Norris E., Plainville, Conn. Metal-working. No. 1,104,477; July 21; Gaz. vol. 204; p. 870.
- Clark, Norris E., Plainville, Conn. Reticulated metal fabric. No. 1,113,195; Oct. 13; Gaz. vol. 207; p. 314.
- Clark, Norris E., Plainville, Conn., assignor to The National Metal Fabric Company, New York, N. Y. Apparatus for manufacturing expanded metal. No. 1,103,033; July 14; Gaz. vol. 204; p. 329.
- Clark, Norris E., Plainville, Conn., assignor to The National Metal Fabric Company, New York, N. Y. Machine for making expanded metal. No. 1,103,034; July 14; Gaz. vol. 204; p. 329.
- Clark, Paul L., New York, N. Y. Magic-lantern screen. No. 1,122,192; Dec. 22; Gaz. vol. 209; p. 1265.
- Clark, Peter T., Roxbury, Mass. Cover for beer-cases and the like. No. 1,102,877; July 7; Gaz. vol. 204; p. 228.
- Clark, Ransom R., Santa Paula, Cal. Combined shovel and hoe. No. 1,083,920; Jan. 13; Gaz. vol. 198; p. 246.
- Clark, Raymond L., Rochester, N. Y. Rail-fastening device. No. 1,085,797; Feb. 3; Gaz. vol. 199; p. 78.
- Clark, Raymond L., assignor of one-half to H. N. Joffe, Rochester, N. Y. Attachment for perambulators. No. 1,095,381; May 5; Gaz. vol. 202; p. 71.
- Clark, Raymond P., Rochester, N. Y. Cover for fruit-baskets. No. 1,110,042; Sept. 8; Gaz. vol. 206; p. 461.
- Clark, Raymond P., Rochester, N. Y. Cushion-pad for covers for fruit-baskets. No. 1,110,043; Sept. 8; Gaz. vol. 206; p. 461.
- Clark, Robert G., New York, N. Y. Can-soldering machine. No. 1,100,535; June 16; Gaz. vol. 203; p. 824.
- Clark, Robert G., New York, N. Y., assignor to Emaus Foundry & Machine Company. Can-forming machine. No. 1,086,700; Feb. 10; Gaz. vol. 199; p. 436.
- Clark, Robert L., Union, W. Va. Match-safe. No. 1,086,277; Feb. 3; Gaz. vol. 199; p. 244.
- Clark, Robert M., Newton Center, Mass., assignor to Central Railway Signal Company, Pittsburgh, Pa. Fusecap. No. 1,103,263; July 14; Gaz. vol. 204; p. 410.
- Clark, Robert M., Newton Center, Mass., assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-fusee. No. 1,107,034; Aug. 11; Gaz. vol. 205; p. 547.
- Clark, Robert P. and W. H., Fresno, Cal. Auxiliary spring for use on automobiles. No. 1,094,305; Apr. 21; Gaz. vol. 201; p. 814.
- Clark, Roswell M., Kansas City, Mo. Spring-wheel. No. 1,103,563; July 14; Gaz. vol. 204; p. 512.
- Clark, Sarah W., New York, N. Y. Piano-case. No. 1,121,166; Dec. 15; Gaz. vol. 209; p. 875.
- Clark, Sedgwick R., Spalding, Nebr. Blank book. No. 1,095,815; May 5; Gaz. vol. 202; p. 219.
- Clark, Sherman, Cottage Grove, Oreg. Electric fuse-igniter. No. 1,119,926; Dec. 8; Gaz. vol. 209; p. 389.
- Clark, Stuart J., assignor of one-half to A. Epley, Auburn, Ill. Folding umbrella. No. 1,121,977; Dec. 22; Gaz. vol. 209; p. 1193.
- Clark, Thomas E., Detroit, Mich. Automatic wireless train-control apparatus. No. 1,104,165; July 21; Gaz. vol. 204; p. 762.
- Clark, Thomas G., Chelsea, London, England. Adjustable stay. No. 1,122,075; Dec. 22; Gaz. vol. 209; p. 1227.
- Clark, Thomas J., Milwaukee, assignor to T. J. Clark Co., Portland, Oreg. Non-slip attachment for vehicle-wheels. No. 1,095,451; May 5; Gaz. vol. 202; p. 95.
- Clark, Thomas K., Durban, Natal, South Africa. Fixing rubber or other tires on wheels. No. 1,083,875; Jan. 6; Gaz. vol. 198; p. 200.
- Clark, Vernon D. (See Downes, Samuel, assignor.)
- Clark, Walter J., Fort Scott, Kans. Tooth-paste container. No. 1,084,537; Jan. 13; Gaz. vol. 198; p. 451.
- Clark, Walter R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Controlling mechanism for hydraulic presses and the like. No. 1,103,035; July 14; Gaz. vol. 204; p. 329.
- Clark, Walter R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Controlling mechanism for hydraulic presses and the like. No. 1,103,036; July 14; Gaz. vol. 204; p. 330.
- Clark, Walter R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Controlling mechanism for hydraulic presses and the like. No. 1,103,037; July 14; Gaz. vol. 204; p. 330.
- Clark, Walter R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Speed-controlling mechanism for rolling-mills and the like. No. 1,108,971; Sept. 1; Gaz. vol. 206; p. 39.
- Clark, Wiley E., Savannah, Ga. Pencil-sharpener. No. 1,091,039; Mar. 24; Gaz. vol. 200; p. 934.
- Clark, William E., *et al.* (See Cobb, Luther, assignor.)
- Clark, William E., Saranac Lake, N. Y. Burglar-alarm. No. 1,101,999; June 30; Gaz. vol. 203; p. 1436.
- Clark, William F., Coraopolis, Pa. Tube-feeder for saws. No. 1,121,167; Dec. 15; Gaz. vol. 209; p. 875.
- Clark, William H. (See Clark, Robert P. and W. H.)
- Clark, William H. and W. J., assignors to The W. J. Clark Company, Salem, Ohio. Wheel. No. 1,097,613; May 26; Gaz. vol. 202; p. 958.
- Clark, William J. (See Clark, William H. and W. J.)
- Clark, William R., Muncie, assignor to Clark Crank Company, Indianapolis, Ind. Safety engine-starter. No. 1,098,480; June 2; Gaz. vol. 203; p. 43.
- Clark, William T., assignor of one-fourth to F. H. Doane, New York, N. Y. Non-refillable bottle. No. 1,099,637; June 9; Gaz. vol. 203; p. 478.
- Clark, Winthrop A., Stamford, Conn. Oil-engine. No. 1,084,131; Jan. 13; Gaz. vol. 198; p. 320.
- Clarke, Edward R., assignor to The Autokal Syndicate Limited, London, England. Means for determining the positions of points from their coordinates. No. 1,088,207; Feb. 24; Gaz. vol. 199; p. 1056.
- Clarke, Fisher R., Stockton, Cal. Bag-fastener. No. 1,103,264; July 14; Gaz. vol. 204; p. 411.
- Clarke, Fred D., assignor to M. D. Knowlton Company, Rochester, N. Y. Scoring-machine. No. 1,098,711; June 2; Gaz. vol. 203; p. 122.
- Clarke, Frederick F., assignor to Colburn Machine Tool Company, Franklin, Pa. Automatically releasing crank. No. 1,115,652; Nov. 3; Gaz. vol. 208; p. 64.
- Clarke, George W., Santa Monica, assignor of one-half to F. M. Wright, San Francisco, Cal. Printer's stick. No. 1,093,111; Apr. 14; Gaz. vol. 201; p. 374.
- Clarke, Graham, assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio. Blow-off and valve for gas-tanks. No. 1,093,254; Apr. 14; Gaz. vol. 201; p. 423.
- Clarke, Graham, assignor to The Ohio Chemical & Manufacturing Company, Cleveland, Ohio. Anesthetizer. No. 1,093,975; Apr. 21; Gaz. vol. 201; p. 704.
- Clarke, Graham, assignor to The Ohio Chemical & Mfg. Company, Cleveland, Ohio. Making Epsom salts. No. 1,112,770; Oct. 6; Gaz. vol. 207; p. 127.
- Clarke, Harry O., Pasadena, Cal. Hand concrete-mixer. No. 1,103,484; July 14; Gaz. vol. 204; p. 484.
- Clarke, John L., Albuquerque, N. Mex. Clothes-drier. No. 1,090,837; Mar. 24; Gaz. vol. 200; p. 863.
- Clarke, John N., Evansville, Ind. Awning. No. 1,095,452; May 5; Gaz. vol. 202; p. 95.
- Clarke, John Q., Crawfordsville, Ind. Stock fountain or trough. No. 1,086,513; Feb. 10; Gaz. vol. 199; p. 371.

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- Clarke, John Q., Crawfordsville, Ind. Hot-air heater. No. 1,116,674; Nov. 10; Gaz. vol. 208; p. 460.
- Clarke, John S., East Cleveland, assignor of one-half to T. D. Lemieux, Cleveland, Ohio. Device for stretching wires and cables. No. 1,094,979; Apr. 28; Gaz. vol. 201; p. 1111.
- Clarke, Joseph T., Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y. Focusing device. No. 1,089,111; Mar. 3; Gaz. vol. 200; p. 150.
- Clarke, Marcellus B., Akron, Ohio. Hot-water bottle. No. 1,116,014; Nov. 3; Gaz. vol. 208; p. 188.
- Clarke, Matthew, Wilkes-Barre, Pa. Square. No. 1,103,564; July 14; Gaz. vol. 204; p. 513.
- Clarke, Nelson H., Cincinnati, Ohio. Attachment for moving-picture machines. No. 1,087,638; Feb. 17; Gaz. vol. 199; p. 814.
- Clarke, Nelson H., Cincinnati, Ohio. Illusion apparatus. No. 1,103,485; July 14; Gaz. vol. 204; p. 484.
- Clarke, Ralph H., Coshocton, assignor to Corrugated Fibre Co., Dayton, Ohio. Corrugated-paper-facing machine. No. 1,095,140; Apr. 28; Gaz. vol. 201; p. 1164.
- Clarke, Robert H., Warrington, England. Surgical apparatus. No. 1,093,112; Apr. 14; Gaz. vol. 201; p. 374.
- Clarke, Thomas A. (See Hammer, Stephen, assignor.)
- Clarke, Thomas E., San Gabriel, Cal. Mail-box stand and shelter. No. 1,101,905; June 30; Gaz. vol. 203; p. 1402.
- Clarke, Thomas J., and A. Illy, assignors to The William Koehl Company, Jamestown, N. Y. Box-making machine. No. 1,098,314; May 26; Gaz. vol. 202; p. 1207.
- Clarke, William C., Brookland Park, Va. Bottle-closure. No. 1,100,536; June 16; Gaz. vol. 203; p. 824.
- Clarke, William E., Toronto, Ontario, Canada. Inking-pad. No. 1,102,721; July 7; Gaz. vol. 204; p. 174.
- Clarkson, Edward H. N., Hamilton, assignor of one-half to Flynn & Emrich Company, Baltimore, Md. Bottle-box. No. 1,120,283; Dec. 8; Gaz. vol. 209; p. 513.
- Clarkson, Harry. (See Simoni, Jens, assignor.)
- Clarkson, Thomas, and W. J. Morison, Chelmsford, assignors to The National Steam Car Company, Limited, London, England. Metal wheel. No. 1,107,263; Aug. 18; Gaz. vol. 205; p. 678.
- Clarkson, William H., Edwards, Ill. Acetylene-lamp. No. 1,088,010; Feb. 24; Gaz. vol. 199; p. 989.
- Clasen, Claus J. W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Dump-door-operating mechanism. No. 1,098,315; May 26; Gaz. vol. 202; p. 1207.
- Clasen, Claus J. W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Underframe. No. 1,100,419; June 16; Gaz. vol. 203; p. 786.
- Clasen, Claus J. W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Car-truck. No. 1,120,690; Dec. 15; Gaz. vol. 209; p. 706.
- Clasen, William F., Milwaukee, Wis. Train-pipe coupling. No. 1,118,107; Nov. 24; Gaz. vol. 208; p. 1041.
- Classen, Alexander, Aachen, Germany. Conversion of wood or other cellulose material into glucose and other soluble and insoluble carbohydrates. No. 1,101,061; June 23; Gaz. vol. 203; p. 1061.
- Classon, Walter G., Leominster, Mass. Drafting instrument. No. 1,086,440; Feb. 10; Gaz. vol. 199; p. 345.
- Classon, Walter G., Leominster, Mass. Triangle. No. 1,101,119; June 23; Gaz. vol. 203; p. 1079.
- Claude, Eugene, Somonauk, assignor to Sandwich Manufacturing Co., Sandwich, Ill. Corn-sheller. No. 1,099,389; June 9; Gaz. vol. 203; p. 377.
- Claude, Georges, assignor to Société L'Air Liquide (Société Anonyme Pour L'Etude et L'Exploitation Des Procédés Georges Claude), Paris, France. Separation of the constituents of gaseous mixtures. No. 1,083,988; Jan. 13; Gaz. vol. 198; p. 270.
- Claude, Georges, assignor to Société L'Air Liquide (Société Anonyme Pour L'Etude et L'Exploitation Des Procédés Georges Claude), Paris, France. Composition for forming explosives with liquid oxygen. No. 1,111,247; Sept. 22; Gaz. vol. 206; p. 968.
- Claude, Georges, assignor to Société L'Air Liquide (Société Anonyme Pour L'Etude et L'Exploitation Des Procédés Georges Claude), Paris, France. Protective sheath or envelop for liquid-air or liquid-oxygen explosives. No. 1,111,248; Sept. 22; Gaz. vol. 206; p. 968.
- Claudiel, Henri. (See Parker, Thomas H., assignor.)
- Clausen, Henry P., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Electromagnetic device. No. 1,088,878; Mar. 3; Gaz. vol. 200; p. 70.
- Clausen, Henry P., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone system. No. 1,088,879; Mar. 3; Gaz. vol. 200; p. 70.
- Clausing, George, assignor to The Vulcan Box Toe Process Co., Portsmouth, Ohio. Last. No. 1,085,668; Feb. 3; Gaz. vol. 199; p. 31.
- Clausing, George, assignor to The Vulcan Box Toe Process Co., Portsmouth, Ohio. Last. No. 1,085,669; Feb. 3; Gaz. vol. 199; p. 32.
- Clausing, George, assignor to The Vulcan Box Toe Process Co., Portsmouth, Ohio. Last. No. 1,107,655; Aug. 18; Gaz. vol. 205; p. 818.
- Clausing, George, assignor to The Vulcan Box Toe Process Co., Portsmouth, Ohio. Last. No. 1,107,656; Aug. 18; Gaz. vol. 205; p. 818.
- Clauson, Andrew, Harlow, N. D. Harrow. No. 1,117,328; Nov. 17; Gaz. vol. 208; p. 729.
- Clauss, John H., assignor to The Never Fail Company, Toledo, Ohio. Razor-stropping machine. No. 1,083,665; Jan. 6; Gaz. vol. 198; p. 134.
- Claussen, Edward E., Hartford, Conn. Dispensing apparatus. No. 1,083,727; Jan. 6; Gaz. vol. 198; p. 156.
- Claussen, Edward E., Hartford, Conn. Dispensing apparatus. No. 1,093,976; Apr. 21; Gaz. vol. 201; p. 705.
- Claussen, Martin. (See McKay and Claussen.)
- Claussen, Matthew B., New York, N. Y., assignor, by mesne assignments, to The Masterphone Corporation. Talking-machine. No. 1,084,571; Jan. 13; Gaz. vol. 198; p. 464.
- Claussen, Matthew B., New York, N. Y., assignor, by mesne assignments, to The Masterphone Corporation. Talking-machine. No. 1,084,572; Jan. 13; Gaz. vol. 198; p. 464.
- Claussen, Matthew B., New York, N. Y., assignor, by mesne assignments, to The Masterphone Corporation. Talking-machine. No. 1,084,573; Jan. 13; Gaz. vol. 198; p. 465.
- Claussen, Walter E., Hartford, Conn. Feeding mechanism. No. 1,083,701; Feb. 10; Gaz. vol. 199; p. 437.
- Claussen, Walter E., New York, N. Y. Machine for making receptacles. No. 1,103,940; July 21; Gaz. vol. 204; p. 685.
- Claussen, Walter E., Hartford, Conn. Drinking-cup packet. No. 1,109,162; Sept. 1; Gaz. vol. 206; p. 108.
- Clauteice, George J., assignor to Lyon Conklin & Company, Baltimore, Md. Self-heating soldering-iron. No. 1,102,997; July 7; Gaz. vol. 204; p. 267.
- Clawson, Charles L. (See Clawson, Leroy, assignor.)
- Clawson, Leroy, Hall, Mont. Rotary air-motor. No. 1,115,397; Oct. 27; Gaz. vol. 207; p. 1180.
- Clawson, Leroy, assignor of one-half to C. L. Clawson, Hall, Mont. Air-compressor. No. 1,112,054; Sept. 29; Gaz. vol. 206; p. 1282.
- Clawson, Monroe S., New York, N. Y. Temperature-indicating device. No. 1,094,530; Apr. 28; Gaz. vol. 201; p. 950.
- Clawson, Monroe S., New York, N. Y. Steam-heater. No. 1,095,550; May 5; Gaz. vol. 202; p. 130.
- Clay, Ernest, Holdrege, Nebr. Mail-box money-holder. No. 1,089,327; Mar. 3; Gaz. vol. 200; p. 222.
- Clay, Boston, Muscatine, assignor to J. T. Sissel, Muscatine county, Iowa. Button-making machine. No. 1,105,757; Aug. 4; Gaz. vol. 205; p. 60.
- Clay, Francis W. H., Pittsburgh, Pa. Recording and reproducing sound. No. 1,101,906; June 30; Gaz. vol. 203; p. 1402.
- Clay, James R., Bootle, England. Ship's steering-gear. No. 1,100,420; June 16; Gaz. vol. 203; p. 786.
- Clay, Marshall F., and G. F. Basset, Cleveland, Ohio. Holder for mops. No. 1,089,460; Mar. 10; Gaz. vol. 200; p. 316.
- Clay, Odin G., Washington, D. C. Auto-fender. No. 1,106,783; Aug. 11; Gaz. vol. 205; p. 462.
- Clay, William A., Rochester, N. Y. Folding chair. No. 1,118,530; Nov. 24; Gaz. vol. 208; p. 1189.
- Claypool, Bert, Kittanning, Pa. Vehicle-tongue. No. 1,084,789; Jan. 20; Gaz. vol. 198; p. 569.
- Clayton, Benjamin. (See Clayton, Brown, and Clayton. (Reissue.)
- Clayton, Charles P., Shreveport, La. Well-packer. No. 1,104,877; July 28; Gaz. vol. 204; p. 1058.
- Clayton, H. Manning, deceased. (See Lyons, John F., assignor.)
- Clayton, James, Coventry, assignor to Courtaulds, Limited, London, England. Apparatus for liquid treatment of hanks of thread, &c. No. 1,116,242; Nov. 3; Gaz. vol. 208; p. 264.
- Clayton, Oscar B., Houston Heights, Tex. Oil-burner. No. 1,085,581; Jan. 27; Gaz. vol. 198; p. 372.
- Clayton, Walter R., and D. H. Jones, Fayetteville, N. C. Pulley remover and replacer. No. 1,108,135; Aug. 25; Gaz. vol. 205; p. 1032.
- Clayton, William L., G. R. Brown, and B. Clayton, Oklahoma, Okla. Bat-accumulator. (Reissue.) No. 13,794; Sept. 1; Gaz. vol. 206; p. 281.
- Clayville, George W., and D. W. Davis, assignors of one-third to W. B. Gray, Philadelphia, Pa. Wheel-tire. No. 1,108,704; Aug. 25; Gaz. vol. 205; p. 1229.
- Cleal, Joseph P., Toronto, Ontario, Canada, assignor to The National Cash Register Company, Dayton, Ohio. Registering and recording machine. No. 1,118,104; Nov. 24; Gaz. vol. 208; p. 1039.
- Clearwater, Harley M., Troy, J. Temple, Watervliet, and J. H. Ramsey, Rochester, N. Y., assignors, by mesne assignments, to Reece Folding Machine Company, Boston, Mass. Blank-folding machine for the manufacture of collars, cuffs, and the like. No. 1,088,323; Feb. 24; Gaz. vol. 199; p. 1096.
- Clearwater, James H., Kingston, N. Y., assignor to Universal Road Machinery Co. Measuring-form. No. 1,099,165; June 9; Gaz. vol. 203; p. 315.
- Cleary, Edward. (See Oppenheim and Cleary.)

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- Cleary, Francis J., Washington, D. C. Cross-line-adjusting means for sighting-telescopes. No. 1,086,141; Feb. 3; Gaz. vol. 199; p. 200.
- Cleary, James C., assignor to M. W. Borders, Chicago, Ill. Tanning leather. No. 1,107,759; Aug. 18; Gaz. vol. 205; p. 855.
- Cleary, Thomas A., and C. A. Johnson, Escanaba, Mich. Rug-hanger. No. 1,088,128; Feb. 24; Gaz. vol. 199; p. 1030.
- Cleaveland, George A., Jr. (See Allen and Cleaveland.)
- Cleaver, Arthur L., New York, N. Y. Fire-protector for moving-picture machines. No. 1,121,477; Dec. 15; Gaz. vol. 209; p. 980.
- Cleaver, George E., Reading, Pa., assignor to Penn Hardware Company. Lock mechanism. No. 1,122,862; Dec. 29; Gaz. vol. 209; p. 1537.
- Cleifton, Claud J., assignor to The Cleifton Company, Owatonna, Minn. Gas-generator. No. 1,112,597; Oct. 6; Gaz. vol. 207; p. 66.
- Cleifton Company, The. (See Cleifton, Claud J., assignor.)
- Clegg, George B. (See Howard and Clegg.)
- Cleggett, George H. (See Hill and Cleggett.)
- Clem, Joseph A., Sidney, Ohio. Door check and holder. No. 1,105,963; Aug. 4; Gaz. vol. 205; p. 131.
- Clemens, Alfred C., Upper Sandusky, Ohio. Thill-coupling. No. 1,091,633; Mar. 31; Gaz. vol. 200; p. 1177.
- Clemens, August, Alliance, Ohio. Load-holding device for hoists and the like. No. 1,103,038; July 14; Gaz. vol. 204; p. 331.
- Clemens, Chester E., Cleveland, Ohio. Bushing. No. 1,113,754; Oct. 13; Gaz. vol. 207; p. 512.
- Clemens, John G., Buffalo, N. Y. Mechanical movement. No. 1,116,243; Nov. 3; Gaz. vol. 208; p. 265.
- Clemens, Sigmund C., *et al.* (See Eriksen, Ingebrigt, assignor.)
- Clement, Edward E. (See Binkley, William R., assignor.)
- Clement, Edward E. (See Cadell, John F., assignor.)
- Clement, Edward E., Washington, D. C. Electric clock. No. 1,096,680; May 12; Gaz. vol. 202; p. 547.
- Clement, Edward E., Washington, D. C. Time-control element for electric clocks. No. 1,096,681; May 12; Gaz. vol. 202; p. 548.
- Clement, Edward E., Washington, D. C. Electrically-illuminated clock. No. 1,096,682; May 12; Gaz. vol. 202; p. 548.
- Clement, Edward E., Washington, D. C. Electric clock. No. 1,096,778; May 12; Gaz. vol. 202; p. 580.
- Clement, Edward E., Washington, D. C. Electric clock. No. 1,096,779; May 12; Gaz. vol. 202; p. 580.
- Clement, Edward E., Washington, D. C. Establishing variable conductive paths for electrical communication. No. 1,103,898; July 14; Gaz. vol. 204; p. 630.
- Clement, Edward E., Washington, D. C. Electrical contact. No. 1,105,489; July 28; Gaz. vol. 204; p. 1273.
- Clement, Edward E., Washington, D. C. Telephone-exchange system. No. 1,105,490; July 28; Gaz. vol. 204; p. 1273.
- Clement, Edward E., Washington, D. C. Electrical selective switch. No. 1,105,491; July 28; Gaz. vol. 204; p. 1273.
- Clement, Edward E., Washington, D. C. Telephone-exchange system. No. 1,105,492; July 28; Gaz. vol. 204; p. 1274.
- Clement, Edward E., Washington, D. C. Telephone-exchange system. No. 1,105,545; July 28; Gaz. vol. 204; p. 1292.
- Clement, Edward E., Washington, D. C. Telephone-exchange system. No. 1,107,152; Aug. 11; Gaz. vol. 205; p. 591.
- Clement, Edward E., Washington, D. C. Electric switch. No. 1,107,153; Aug. 11; Gaz. vol. 205; p. 591.
- Clement, Edward E., Washington, D. C. Electrical signaling system for telephone-exchanges. No. 1,109,616; Sept. 1; Gaz. vol. 206; p. 266.
- Clement, Edward E., Washington, D. C. Telephone-exchange system. No. 1,109,620; Sept. 1; Gaz. vol. 206; p. 268.
- Clement, Edward E., Washington, D. C. Telephonic apparatus. No. 1,109,621; Sept. 1; Gaz. vol. 206; p. 268.
- Clement, Edward E., Washington, D. C. Telephonic apparatus and system. No. 1,109,622; Sept. 1; Gaz. vol. 206; p. 269.
- Clement, Edward E., Washington, D. C., assignor to The Telephone Improvement Company, Attica, N. Y. Call-recording system for telephone-exchanges. No. 1,089,394; Mar. 10; Gaz. vol. 200; p. 291.
- Clement, Edward E., Washington, D. C., assignor to The Telephone Improvement Company, Attica, N. Y. Telephone-exchange system. (Reissue.) No. 13,776; July 21; Gaz. vol. 204; p. 969.
- Clement, Edward E., Washington, D. C., assignor to The Telephone Improvement Company, Attica, N. Y. Telephone registering system. No. 1,107,155; Aug. 11; Gaz. vol. 205; p. 592.
- Clement, Edward E., Washington, D. C., assignor to The Telephone Improvement Company, Attica, N. Y. Telephone registering system. No. 1,107,156; Aug. 11; Gaz. vol. 205; p. 593.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,091,193; Mar. 24; Gaz. vol. 200; p. 987.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,105,589; July 28; Gaz. vol. 204; p. 1307.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,133; Aug. 11; Gaz. vol. 205; p. 581.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,134; Aug. 11; Gaz. vol. 205; p. 582.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system and apparatus. No. 1,107,135; Aug. 11; Gaz. vol. 205; p. 582.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,136; Aug. 11; Gaz. vol. 205; p. 583.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,137; Aug. 11; Gaz. vol. 205; p. 583.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Automatic telephone-exchange system. No. 1,107,138; Aug. 11; Gaz. vol. 205; p. 584.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,139; Aug. 11; Gaz. vol. 205; p. 584.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,140; Aug. 11; Gaz. vol. 205; p. 585.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,141; Aug. 11; Gaz. vol. 205; p. 585.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,142; Aug. 11; Gaz. vol. 205; p. 586.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,143; Aug. 11; Gaz. vol. 205; p. 586.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone system. No. 1,107,144; Aug. 11; Gaz. vol. 205; p. 587.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,145; Aug. 11; Gaz. vol. 205; p. 587.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,146; Aug. 11; Gaz. vol. 205; p. 588.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,147; Aug. 11; Gaz. vol. 205; p. 588.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,148; Aug. 11; Gaz. vol. 205; p. 589.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Selective apparatus for systems of communication. No. 1,107,149; Aug. 11; Gaz. vol. 205; p. 589.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,150; Aug. 11; Gaz. vol. 205; p. 590.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,151; Aug. 11; Gaz. vol. 205; p. 590.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,154; Aug. 11; Gaz. vol. 205; p. 592.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,107,157; Aug. 11; Gaz. vol. 205; p. 593.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,109,511; Sept. 1; Gaz. vol. 206; p. 229.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,109,615; Sept. 1; Gaz. vol. 206; p. 265.

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- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,109,618; Sept. 1; Gaz. vol. 206; p. 267.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,109,619; Sept. 1; Gaz. vol. 206; p. 268.
- Clement, Frank H., assignor to American Wood Working Machinery Co., Rochester, N. Y. Cut-off gage for sawing-machines. No. 1,113,152; Oct. 6; Gaz. vol. 207; p. 255.
- Clement, Frank H., assignor to American Wood Working Machinery Co., Rochester, N. Y. Machine-gage. No. 1,113,153; Oct. 6; Gaz. vol. 207; p. 256.
- Clement, Franz, Berlin, Germany. Auditorium or hall for buildings. No. 1,096,826; May 19; Gaz. vol. 202; p. 640.
- Clement, George W., Detroit, Mich. Packing. No. 1,120,181; Dec. 8; Gaz. vol. 209; p. 478.
- Clement, Jay D., and N. C. Taylor, Detroit, Mich. Railway-tie. No. 1,098,096; May 26; Gaz. vol. 202; p. 1132.
- Clement, John F., Philadelphia, Pa., assignor, by mesne assignments, to The Denver Rock Drill Manufacturing Company, Denver, Colo. Pneumatic tool. (Reissue.) No. 13,826; Nov. 17; Gaz. vol. 208; p. 952.
- Clément, Joséphine, and V. Loiselet, Liege, Belgium. Automatic pistol. No. 1,105,404; July 28; Gaz. vol. 204; p. 1243.
- Clement, Newton K., Leechburg, Pa. License-plate holder for automobiles. No. 1,083,728; Jan. 6; Gaz. vol. 198; p. 157.
- Clement, Oliver, Dracut, Mass. Closure device. No. 1,101,835; June 30; Gaz. vol. 203; p. 1376.
- Clement Talbot Limited *et al.* (See Brown, George W. A., assignor.)
- Clements Company, The. (See Keller, Traugott F., assignor.)
- Clements Company, The. (See Kennedy, Joseph, assignor.)
- Clements, George, Chicago, Ill. Vacuum-cleaner handle. No. 1,102,000; June 30; Gaz. vol. 203; p. 1436.
- Clements, George, assignor to Clements Mfg. Co., Chicago, Ill. Nozzle and squeegee for vacuum-cleaners. No. 1,088,880; Mar. 3; Gaz. vol. 200; p. 71.
- Clements, George F. (See Gilman and Clements.)
- Clements Mfg. Co. (See Clements, George, assignor.)
- Clements, William G., Springfield, Mass. Printing-frame. No. 1,084,398; Jan. 13; Gaz. vol. 198; p. 407.
- Clemetsen Company, The. (See Vaaler, Jens, assignor.) (Reissue.)
- Clemm, Adolf, Mannheim, Germany. Ammonia-soda process. No. 1,118,332; Nov. 24; Gaz. vol. 208; p. 1119.
- Clemmensen, Erik C., and W. M. Jenkins, Detroit, Mich. Bottle-closure. No. 1,106,366; Aug. 11; Gaz. vol. 205; p. 313.
- Clemmer, George H., West Alexandria, Ohio. Fuel-mixer. No. 1,093,385; Apr. 14; Gaz. vol. 201; p. 469.
- Clemmer, James W., and H. H. Burton, Fargo, N. D. Door-closing device. No. 1,087,483; Feb. 17; Gaz. vol. 199; p. 759.
- Clemons, Arthur S., Bartlett, N. H. Self-propelled power-machine. No. 1,090,027; Mar. 10; Gaz. vol. 200; p. 512.
- Clemons, De Laski T., Hornell, N. Y., assignor to C. Mattison Machine Works, Beloit, Wis. Rubbing or polishing machine. No. 1,123,097; Dec. 29; Gaz. vol. 209; p. 1619.
- Cléret, Albert, Paris, France. Resilient wheel. No. 1,105,321; July 28; Gaz. vol. 204; p. 1213.
- Cleveland Axle Manufacturing Company. (See Kuepfer, Otto, assignor.)
- Cleveland, Benjamin L., East Chattanooga, Tenn. Tie-plate. No. 1,102,244; July 7; Gaz. vol. 204; p. 8.
- Cleveland Bronze and Brass Works. (See Smith, William H., assignor.)
- Cleveland Car Specialty Company. (See Bidle and Costello, assignors.)
- Cleveland Car Specialty Company. (See Costello, Joseph A., assignor.)
- Cleveland, Charles C., Boulder, Colo. Tire-pressure indicator and electric signal. No. 1,117,329; Nov. 17; Gaz. vol. 208; p. 729.
- Cleveland, Clement, New York, N. Y. Hat-pin. No. 1,118,473; Nov. 24; Gaz. vol. 208; p. 1171.
- Cleveland, Edgar W., Grand Rapids, Mich. Variable-speed gearing. No. 1,121,000; Dec. 15; Gaz. vol. 209; p. 815.
- Cleveland Flushometer Company, The. (See Grabler, Peter, assignor.)
- Cleveland Folding Machine Company, The. (See Johnson, Oliver W., assignor.)
- Cleveland, George H., Waco, Tex. Scrip-holder. No. 1,103,739; July 14; Gaz. vol. 204; p. 576.
- Cleveland, Grover E., Detroit, assignor to Sturgis Steel Go-Cart Company, Sturgis, Mich. Collapsible carriage. No. 1,090,135; Mar. 17; Gaz. vol. 200; p. 589.
- Cleveland Hardware Company, The. (See Black, Thomas J., assignor.)
- Cleveland, James, *et al.* (See Ness, Jens M. J., assignor.)
- Cleveland Machine & Manufacturing Company, The. (See Welch, William H., assignor.)
- Cleveland Railway Supply Company, The. (See Newhall and Richards, assignors.)
- Cleveland Rock Drill Company, The. (See Greve, Louis W., assignor.)
- Cleveland, William, and J. R. Ockinga, Glenville, Nebr. Radiator. No. 1,087,922; Feb. 24; Gaz. vol. 199; p. 956.
- Cleveland Wire Spring Company, The. (See Farrow, Ernest L., assignor.)
- Clevenger, Willard C., *et al.* (See Mendenhall, Charles A., assignor.)
- Click, Washington B., Elida, N. Mex., assignor of one-half to W. H. Reese, Byers, Tex. Quilting-frame for sewing-machines. No. 1,091,194; Mar. 24; Gaz. vol. 200; p. 988.
- Clifford, Christopher J., Long Island City, N. Y. Door-hanger. No. 1,083,803; Jan. 6; Gaz. vol. 198; p. 179.
- Clifford, Edward C., New York, N. Y. Wind-shield for cigars and cigarettes. No. 1,106,495; Aug. 11; Gaz. vol. 205; p. 361.
- Clifford, Fremont, Connersville, Ind. Railway-tie. No. 1,087,923; Feb. 24; Gaz. vol. 199; p. 956.
- Clifford, John, assignor to L. Wolff Manufacturing Company, Chicago, Ill. Enameled-iron bath-tub. No. 1,116,015; Nov. 3; Gaz. vol. 208; p. 188.
- Clifford, John P., and S. G. Murray, assignors to Richardson Scale Company, Passaic, N. J. Automatic weighing-machine. No. 1,083,804; Jan. 6; Gaz. vol. 198; p. 180.
- Clifford L. Miller & Co. (See Slosson, James S., assignor.)
- Clifford, Patrick J., assignor of twenty-four and one-half one-hundredths to E. H. Woodruff, Avoca, and fifty-one one-hundredths to H. J. Gunster and G. N. Gunster, Scranton, Pa. Train-stopping apparatus. No. 1,118,842; Nov. 24; Gaz. vol. 208; p. 1295.
- Clifford, Thomas C., Pittsburgh, Pa. Meter system. No. 1,119,401; Dec. 1; Gaz. vol. 209; p. 173.
- Clifford, William, Duluth, Minn. Differential shaft-coupling. No. 1,093,537; Apr. 14; Gaz. vol. 201; p. 514.
- Clifford, William, Jeannette, assignor to Elliott Company, Pittsburgh, Pa. Mine-ventilating apparatus. No. 1,107,264; Aug. 18; Gaz. vol. 205; p. 678.
- Clifford, William C., Mannford, Okla. Humidifier. No. 1,109,567; Sept. 1; Gaz. vol. 206; p. 248.
- Clifford, William H. (See Dexheimer and Clifford.)
- Clift, Robert S., Montreal, Quebec, Canada. Ship. No. 1,119,749; Dec. 1; Gaz. vol. 209; p. 290.
- Clifton, James W., Macon, Ga. Spring-wheel. No. 1,101,405; June 23; Gaz. vol. 203; p. 1177.
- Clifton Manufacturing Company. (See Landin, Carl J., assignor.)
- Clifton Manufacturing Company. (See Thoma, Andrew, assignor.)
- Climax Manufacturing Company. (See Wynn, John, Jr., assignor.)
- Clinch, Charles S. (See O'Brien, Simon, assignor.)
- Cline, Allan J., assignor to Cline Electric Manufacturing Company, Chicago, Ill. Motor-support for linotype-machines. No. 1,097,533; May 19; Gaz. vol. 202; p. 888.
- Cline Electric Manufacturing Company. (See Cline, Allan J., assignor.)
- Cline, Samuel, Philadelphia, assignor to G. A. Reach, Bala, Pa. Head-protector. No. 1,112,358; Sept. 29; Gaz. vol. 206; p. 1388.
- Cline, William B., assignor to Eastman Kodak Co., Rochester, N. Y. Photographic flash-light apparatus. No. 1,114,582; Oct. 20; Gaz. vol. 207; p. 843.
- Clinger, William T., Oil City, Pa. Sucker-rod elevator. No. 1,106,130; Aug. 4; Gaz. vol. 205; p. 192.
- Clingman, Palmer, New York, N. Y. Electrical conductor. No. 1,122,863; Dec. 29; Gaz. vol. 209; p. 1537.
- Clinton, Sarah E., Grand Rapids, Wis. Fresh-air hood. No. 1,108,972; Sept. 1; Gaz. vol. 206; p. 40.
- Clinton Wire Cloth Company. (See Southwick, William S., assignor.)
- Clip Bar Manufacturing Company. (See Davis, Anthony E., assignor.)
- Clip Bar Manufacturing Company. (See Denny, Charles W., assignor.)
- Clipper Belt Lacer Company. (See Diamond, James K., assignor.)
- Clippinger, Cecil E., and J. A. Smith, Carmi, Ill. Adjustable printer's chase. No. 1,105,758; Aug. 4; Gaz. vol. 205; p. 61.
- Clise, Claude L., Berkeley, and R. Morgeneier, Oakland, Cal. Mileage-recorder for pneumatic tires. No. 1,101,406; June 23; Gaz. vol. 203; p. 1177.
- Cloetens, Georges, Brussels, Belgium. Reed-organ. No. 1,095,268; May 5; Gaz. vol. 202; p. 32.
- Clope, Irving S., Wilkinsburg, Pa., assignor to Emplre Chemical Company, Atlanta, Ga. Extracting from woods their soluble contents. No. 1,112,359; Sept. 29; Gaz. vol. 206; p. 1388.
- Cloke, Thomas H., and L. J. Shearer, Chicago, Ill. Rake-cleaner. No. 1,107,035; Aug. 11; Gaz. vol. 205; p. 648.

Alphabetical list of patentees—Continued.

- Clorius, Axel V. and O. T., Copenhagen, Denmark. Alarm press-button contact. No. 1,095,382; May 5; Gaz. vol. 202; p. 71.
- Clorius, Odin T. (See Clorius, Axel V. and O. T.)
- Close, Albert S., Toledo, assignor to The United States Wave Power Company, Cleveland, Ohio. Wave-motor. No. 1,090,277; Mar. 17; Gaz. vol. 200; p. 640.
- Close, James, Newark, N. J. Forming jointure means upon tubular members. No. 1,093,914; Apr. 21; Gaz. vol. 201; p. 686.
- Closz & Howard Manufacturing Company. (See Crawford, Charles, assignor.)
- Clothmeter Manufacturing Company. (See Kachel, Charles M., assignor.)
- Clouchek, Henry W., Twin Falls, Idaho. Air-valve for radiators. No. 1,121,478; Dec. 15; Gaz. vol. 209; p. 981.
- Cloud, William H., Twin Falls, Idaho. Stove-lid. No. 1,103,565; July 14; Gaz. vol. 204; p. 513.
- Clough, Boswell, New Richmond, Ind. Impregnator. No. 1,093,538; Apr. 14; Gaz. vol. 201; p. 514.
- Clough, George G., Galveston, Tex. Internal-combustion engine. No. 1,096,683; May 12; Gaz. vol. 202; p. 549.
- Clough, George G., Galveston, Tex. Internal-combustion engine. No. 1,111,948; Sept. 29; Gaz. vol. 206; p. 1247.
- Clough, Harry. (See Snow, Isaac, assignor.)
- Clough, William R., Alton, N. H. Bottle attachment. No. 1,120,906; Dec. 15; Gaz. vol. 209; p. 783.
- Clouse, Luther B., Columbus, Ohio. Foldable chair. No. 1,091,634; Mar. 31; Gaz. vol. 200; p. 1178.
- Clouse, William L., assignor to National Machinery Co., Tiffin, Ohio. Bolt and rivet header. No. 1,085,798; Feb. 3; Gaz. vol. 199; p. 79.
- Clouser, Josiah B., Longwood, Fla. Table. No. 1,115,899; Nov. 3; Gaz. vol. 208; p. 147.
- Clow, George F., Hudson, N. Y. Watchcase-spring. No. 1,115,783; Nov. 3; Gaz. vol. 208; p. 106.
- Clow, Marcus J., *et al.* (See Sumbler, Paul, assignor.)
- Clow, William, Independence, Mo. Autoplow. No. 1,088,403; Feb. 24; Gaz. vol. 199; p. 1122.
- Clow, William, Independence, Mo. Autoplow. No. 1,088,404; Feb. 24; Gaz. vol. 199; p. 1123.
- Clow, William C., assignor of one-half to C. S. Dunning, Portland, Oreg. Animal-trap. No. 1,116,565; Nov. 10; Gaz. vol. 208; p. 419.
- Clow, William J., Independence, Mo. Water-purifying apparatus. No. 1,122,688; Dec. 29; Gaz. vol. 209; p. 1477.
- Cloyd, Henry C., Union City, Ind. Shavings-machine. No. 1,086,514; Feb. 10; Gaz. vol. 199; p. 372.
- Clubb, Harry H., and R. A. Whitehead, assignors to Picture Disc Company, Los Angeles, Cal. Sound and image producing apparatus. No. 1,094,704; Apr. 28; Gaz. vol. 201; p. 1015.
- Cluett, Peabody & Co. (See Halliday, Samuel J., assignor.)
- Cluett, Peabody & Co. (See Robinson, Julia, assignor.)
- Clum, Ira E., assignor of one-half to G. H. Metheany, Lima, Ohio. Anchor for posts, poles, &c. No. 1,090,972; Mar. 24; Gaz. vol. 200; p. 909.
- Clune, John H., Springfield, Mass. Tire construction. No. 1,098,017; May 26; Gaz. vol. 202; p. 1105.
- Clune, John H., Springfield, Mass. Cushioning device for vehicles. No. 1,106,496; Aug. 11; Gaz. vol. 205; p. 362.
- Clutter, Leroy P., Deer Lick, Pa. Excavator. No. 1,107,899; Aug. 18; Gaz. vol. 205; p. 901.
- Clutter, Samuel T. (See Bowen and Clutter.)
- Clutterbuck, William A. (See Stewart, Maxwell G., assignor.)
- Clyde Furnace Company ("B") Limited, The. (See Rogerson, Thomas B., assignor.)
- Clyde Iron Works. (See Borge, Oscar B., assignor.)
- Clyde Iron Works. (See McGiffert, John R., assignor.)
- Clymer, Robert H., Anaconda, Mont. Adjustable deck for stock-cars. No. 1,118,108; Nov. 24; Gaz. vol. 208; p. 1041.
- Coakley, Charles C., Canton, N. Y. Differential gearing for automobiles. No. 1,121,803; Dec. 22; Gaz. vol. 209; p. 1130.
- Coakley, Henry L., New York, N. Y. Aeroplane. No. 1,110,895; Sept. 15; Gaz. vol. 206; p. 804.
- Coale Muller and Safety Valve Company. (See Vogt, Axel S., assignor.)
- Coale, Robert, Kansas City, Kans. Car-journal-box lid. No. 1,112,981; Oct. 6; Gaz. vol. 207; p. 199.
- Coan, John, Kansas City, Mo. Tire-armor. No. 1,103,396; July 14; Gaz. vol. 204; p. 453.
- Coanda, Henri, Paris, France. Propeller. No. 1,104,963; July 28; Gaz. vol. 204; p. 1088.
- Coash, Arthur L., Hammond, Ind. Combined level and plummet. No. 1,094,531; Apr. 28; Gaz. vol. 201; p. 951.
- Coates, Albert A., New York, N. Y. Wheel for railway-carriages. No. 1,098,481; June 2; Gaz. vol. 203; p. 43.
- Coates, Alice, Hamilton, New Zealand. Hat-pin guard. No. 1,103,899; July 14; Gaz. vol. 204; p. 630.
- Coates, Arch B., assignor to Economy Forced Draft Slack Burner Company, Ellsworth, Kans. Grate. No. 1,102,139; June 30; Gaz. vol. 203; p. 1485.
- Coates, Arch B., assignor to Economy Forced Draft Slack Burner Company, Ellsworth, Kans. Grate. No. 1,119,808; Dec. 8; Gaz. vol. 209; p. 348.
- Coates, Charles B., assignor to Chicago Pneumatic Tool Company, Chicago, Ill. Track-drilling machine. No. 1,118,268; Nov. 24; Gaz. vol. 208; p. 1095.
- Coates, Charles P., St. Louis, Mo. Design-composer. No. 1,090,278; Mar. 17; Gaz. vol. 200; p. 641.
- Coates, Clinton T., St. Louis, Mo., assignor of one-half to G. G. Heller, East St. Louis, Ill. Guard-rail connector. No. 1,107,036; Aug. 11; Gaz. vol. 205; p. 548.
- Coates, Frederick, New York, assignor to Standard Automatic Machine Company, Rochester, N. Y. Labeling-machine. No. 1,088,208; Feb. 24; Gaz. vol. 199; p. 1057.
- Coates, Thomas, assignor to T. E. Nicholson, St. Paul, Minn. Saw-guard. No. 1,099,588; June 9; Gaz. vol. 203; p. 462.
- Coats, William E., Firesteel, S. D. Dust-pan. No. 1,106,282; Aug. 4; Gaz. vol. 205; p. 239.
- Coatta, James E., Oswego, N. Y. Musical-chime support. No. 1,102,388; July 7; Gaz. vol. 204; p. 58.
- Cobb, Elmer M., South Portland, assignor to Southworth Machine Company, Portland, Me. Autogrip form-truck. No. 1,103,486; July 14; Gaz. vol. 204; p. 484.
- Cobb, George B., Jr., assignor to Vesta Manufacturing Co., Philadelphia, Pa. Gas-burner. No. 1,103,566; July 14; Gaz. vol. 204; p. 513.
- Cobb, George H., and A. Drumtra, Binghamton, N. Y. Pipe-coupling. No. 1,122,689; Dec. 29; Gaz. vol. 209; p. 1477.
- Cobb, Henry Z., Winchester, Mass. Tubular fabric. No. 1,093,915; Apr. 21; Gaz. vol. 201; p. 686.
- Cobb, Henry Z., Winchester, Mass. Manufacture of rubber hose. No. 1,094,879; Apr. 28; Gaz. vol. 201; p. 1074.
- Cobb, Henry Z., Winchester, Mass. Bobbin-carrier. No. 1,095,709; May 5; Gaz. vol. 202; p. 183.
- Cobb, Henry Z., Winchester, Mass. Manufacture of rubber hose. No. 1,110,671; Sept. 15; Gaz. vol. 206; p. 725.
- Cobb, Henry Z., Winchester, Mass. Braiding-machine. No. 1,117,330; Nov. 17; Gaz. vol. 208; p. 730.
- Cobb, Henry Z., Winchester, Mass. Braiding-machine. No. 1,117,331; Nov. 17; Gaz. vol. 208; p. 730.
- Cobb, Henry Z., Winchester, Mass., assignor to Revere Rubber Company. Braided fabric for hose. No. 1,104,777; July 28; Gaz. vol. 204; p. 1023.
- Cobb, Henry Z., Winchester, Mass., assignor to Revere Rubber Company. Braided fabric for hose. No. 1,104,778; July 28; Gaz. vol. 204; p. 1023.
- Cobb, Henry Z., Winchester, Mass., assignor to Revere Rubber Company, Providence, R. I. Packing-cup for pumps. No. 1,122,574; Dec. 29; Gaz. vol. 209; p. 1434.
- Cobb, John L., Los Angeles, Cal. Electric coupling. No. 1,122,193; Dec. 22; Gaz. vol. 209; p. 1265.
- Cobb, John W., Leeds, England. Extracting ammonia and sulfur compounds from gas. No. 1,108,705; Aug. 25; Gaz. vol. 205; p. 1229.
- Cobb, Joseph B., Jr., Shawnee, Okla. Safety switch-point. No. 1,089,903; Mar. 10; Gaz. vol. 200; p. 469.
- Cobb, Luther, assignor to J. D. Martin, Bedford, Ind. Carbureter. No. 1,102,722; July 7; Gaz. vol. 204; p. 174.
- Cobb, Luther, assignor of one-half to F. E. Jackson and one-half to J. D. Martin, Bedford, Ind. Manifold construction for explosion-engines. No. 1,099,842; June 9; Gaz. vol. 203; p. 547.
- Cobb, Luther, Oolitic, assignor of one-fourth to W. E. Clark, one-fourth to A. C. Clark, and one-half to C. Todd, Lawrence county, Ind. Cable hoist. No. 1,104,964; July 28; Gaz. vol. 204; p. 1088.
- Cobb, Lyman H., assignor to M. E. Johnson, trustee, Fitchburg, Mass. Oil-tank for motor-cycles. No. 1,113,308; Oct. 13; Gaz. vol. 207; p. 355.
- Cobb, Lyman H., assignor to M. E. Johnson, trustee, Fitchburg, Mass. Bicycle-frame. No. 1,121,168; Dec. 15; Gaz. vol. 209; p. 875.
- Cobb, Lyman H., assignor to M. E. Johnson, trustee, Fitchburg, Mass. Resilient seat-support. No. 1,122,690; Dec. 29; Gaz. vol. 209; p. 1477.
- Cobb, Lyman H., assignor to M. E. Johnson, trustee, Fitchburg, Mass. Resilient seat-support. No. 1,122,691; Dec. 29; Gaz. vol. 209; p. 1477.
- Cobler, Thomas F., Leavenworth, Kans. Refrigerator. No. 1,115,398; Oct. 27; Gaz. vol. 207; p. 1180.
- Cobler, Thomas F., Leavenworth, Kans. Refrigerator. No. 1,116,802; Nov. 10; Gaz. vol. 208; p. 505.
- Cobourn, William, Ashbourne, Pa. Support for signs. No. 1,102,001; June 30; Gaz. vol. 203; p. 1437.
- Coburn, Edward B., Worcester, Mass. Roofing material and applying the same. No. 1,100,955; June 23; Gaz. vol. 203; p. 1023.
- Coburn, Watson S., *et al.* (See Smith, Jay F., assignor.)
- Coburn, William, and C. W. Davis, assignors to Universal Sterilizer Company, Seattle, Wash. Washing-machine. No. 1,117,550; Nov. 17; Gaz. vol. 208; p. 805.
- Cocanari, Silvio, Vieux-Dieu, Belgium. Kinematographic film. No. 1,085,724; Feb. 3; Gaz. vol. 199; p. 51.

Alphabetical list of patentees—Continued.

- Cocanari, Silvio, Vieux-Dieu, Belgium. Colored kinematographic film. No. 1,102,878; July 7; Gaz. vol. 204; p. 228.
- Cochar, Charles, Brooklyn, N. Y. Window-sash. No. 1,120,600; Dec. 8; Gaz. vol. 209; p. 627.
- Cochaud, Jules, Zurich, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Air-compressor system for oil-engines. No. 1,102,321; July 7; Gaz. vol. 204; p. 35.
- Cochenour, William E., Vancouver, British Columbia, Canada. Powder-applicator. No. 1,114,114; Oct. 20; Gaz. vol. 207; p. 677.
- Cochran, Arthur J., East Boston, Mass., assignor to Cochran Desk Pad Co. Desk-pad desk. No. 1,116,016; Nov. 3; Gaz. vol. 208; p. 189.
- Cochran, Charles, Meadow, Oreg. Receptacle. No. 1,114,115; Oct. 20; Gaz. vol. 207; p. 677.
- Cochran, Clyde E. (See Ahlm and Cochran.)
- Cochran Desk Pad Co. (See Cochran, Arthur J., assignor.)
- Cochran, Dwight S., assignor, by mesne assignments, to The Octagon Die and Tool Company, Denver, Colo. Thread-starter for piping. No. 1,099,340; June 9; Gaz. vol. 203; p. 377.
- Cochran, Edward A., assignor of one-fourth to J. Steiner, San Francisco, Cal. Equalizing unlock and impulse action escapement. No. 1,105,062; July 28; Gaz. vol. 204; p. 1122.
- Cochran, Frank C. (See Norton, Vivian V., assignor.)
- Cochran, James, and J. C. Cothran, Lockport, N. Y. Box. No. 1,122,864; Dec. 29; Gaz. vol. 209; p. 1538.
- Cochran, James A., Pittsburg, Kans. Valve. No. 1,090,279; Mar. 17; Gaz. vol. 200; p. 641.
- Cochran, John J., St. Louis, Mo. Means for creating and supplying explosive mixture to explosive-engines. No. 1,102,475; July 7; Gaz. vol. 204; p. 89.
- Cochran, Joseph E., Elkhart, Ind. Measuring-machine. No. 1,086,647; Feb. 10; Gaz. vol. 199; p. 418.
- Cochran, Joseph E., Elkhart, Ind. Weighing-scale. No. 1,109,043; Sept. 1; Gaz. vol. 206; p. 67.
- Cochran, Joseph E., assignor to The National Gas Process Company, Elkhart, Ind. Apparatus for use in manufacturing gas. No. 1,096,223; May 12; Gaz. vol. 202; p. 392.
- Cochran, Joseph E., assignor to The National Gas Process Company, Elkhart, Ind. Apparatus for use in manufacturing gas. No. 1,096,224; May 12; Gaz. vol. 202; p. 393.
- Cochran, Joseph E., assignor to S. W. and J. T. Cochran, Elkhart, Ind. Internal-combustion engine. No. 1,103,487; July 14; Gaz. vol. 204; p. 485.
- Cochran, Joseph E., assignor to S. W. and J. T. Cochran, Elkhart, Ind. Internal-combustion engine. No. 1,103,488; July 14; Gaz. vol. 204; p. 485.
- Cochran, Joseph T., *et al.* (See Cochran, Joseph E., assignor.)
- Cochran, Robert B., Washington, N. J., assignor to Morgans & Wilcox Mfg. Company, Middletown, N. Y. Knife-grinder. No. 1,103,941; July 21; Gaz. vol. 204; p. 686.
- Cochran, Stuart W., *et al.* (See Cochran, Joseph E., assignor.)
- Cochran, Walter R., Biggsville, Ill. Dirigible lamp-support. No. 1,108,339; Aug. 25; Gaz. vol. 205; p. 1103.
- Cochran, William R., Jr., Toledo, Ohio. Fuel-oil burner. No. 1,107,900; Aug. 13; Gaz. vol. 205; p. 901.
- Cochrane, Albert P., New York, N. Y. Coupling. No. 1,098,426; June 2; Gaz. vol. 203; p. 24.
- Cochrane, Albert P., New York, N. Y. Combined chin-truss and ear-compress. No. 1,099,967; June 16; Gaz. vol. 203; p. 628.
- Cochrane, James A., Rochester, N. Y. Emergency-fender for street-cars. No. 1,097,534; May 19; Gaz. vol. 202; p. 888.
- Cochrane, Victor H. (See Hedrick and Cochrane.)
- Cock, Benjamin, assignor to Holman Brothers, Limited, Camborne, England. Chuck. No. 1,121,550; Dec. 15; Gaz. vol. 209; p. 1006.
- Cockburn, William R., Wardville, assignor of one-half to A. J. Toogood, Featherston, New Zealand. Milking-machine releaser. No. 1,121,069; Dec. 15; Gaz. vol. 209; p. 839.
- Cockrell, Francis M., Jr., Kansas City, Mo., assignor to Cockrell Manufacturing Company, Limited, New Orleans, La. Sugar-cane stripper and topper. No. 1,118,636; Nov. 24; Gaz. vol. 208; p. 1226.
- Cockrell Manufacturing Company. (See Cockrell, Francis M., Jr., assignor.)
- Cockshaw, Herbert, New York, N. Y. Chain. No. 1,102,645; July 7; Gaz. vol. 204; p. 150.
- Coda, Christopher F., Detroit, Mich. Sad-iron. No. 1,116,386; Nov. 10; Gaz. vol. 208; p. 354.
- Coda, Christopher F., Detroit, Mich. Nozzle. No. 1,116,387; Nov. 10; Gaz. vol. 208; p. 354.
- Coda, Christopher F., assignor to The Art Stove Company, Detroit, Mich. Fire-pot. No. 1,091,195; Mar. 24; Gaz. vol. 200; p. 988.
- Coddington, Edwin D., North Milwaukee, Wis. Backing for cement-coated walls. No. 1,103,174; July 14; Gaz. vol. 204; p. 380.
- Codina, Peter, assignor to Mir, Codina & Marques, Hoboken, N. J. Cork-cutting machine. No. 1,109,966; Sept. 8; Gaz. vol. 206; p. 434.
- Codling, Robert B., Bristol, Conn. Shoe-stretcher. No. 1,107,037; Aug. 11; Gaz. vol. 205; p. 548.
- Cody, George, Brooklyn, N. Y. Antisiphon self-scouring trap. No. 1,112,437; Oct. 6; Gaz. vol. 207; p. 7.
- Cody, William T., San Bernardino, Cal. Metallic railway-tie. No. 1,085,725; Feb. 3; Gaz. vol. 199; p. 51.
- Coe, Charles T., Kearney, N. J. Sectional shaking and dumping grate. No. 1,098,228; May 26; Gaz. vol. 202; p. 1175.
- Coe, Charles T., Albany, N. Y. Sectional shaking and dumping grate. No. 1,121,001; Dec. 15; Gaz. vol. 209; p. 815.
- Coe, Harry A. (See White, William E., assignor.)
- Coe, John F., Raleigh, N. C. Paint compound. No. 1,109,623; Sept. 1; Gaz. vol. 206; p. 270.
- Coe, Robert A., Tupelo, Okla. Automobile-top. No. 1,106,784; Aug. 11; Gaz. vol. 205; p. 462.
- Coe, Sara L. W. (See Werden and Coe.)
- Coe, Sara L. W., and H. T. Werden, New York, N. Y. Coin-operated device for vending-machines. No. 1,096,353; May 12; Gaz. vol. 202; p. 440.
- Coe, Walter S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Type or matrix. No. 1,099,488; June 9; Gaz. vol. 203; p. 427.
- Coen, Garnet W., San Francisco, Cal. Combined valve and spray-nozzle for hydrocarbon-burners. No. 1,094,124; Apr. 21; Gaz. vol. 201; p. 754.
- Coen, Harry B. (See Williams and Coen.)
- Coen, W. L. (See Light, Robert L., assignor.)
- Coe, Edward, St. Louis, Mo., assignor to United Shoe Machinery Company, Paterson, N. J. Inseam-trimming machine. No. 1,089,533; Mar. 10; Gaz. vol. 200; p. 343.
- Coffelder, Thomas, Detroit, Mich. Radiator. No. 1,092,242; Apr. 7; Gaz. vol. 201; p. 40.
- Coffelder, Thomas N., Detroit, Mich. Tube-flanging machine. No. 1,104,166; July 21; Gaz. vol. 204; p. 763.
- Coffey, Joseph H., Gastonia, N. C. Vehicle. No. 1,099,638; June 9; Gaz. vol. 203; p. 478.
- Coffey, William H., *et al.* (See Morris, William H., assignor.)
- Coffield, James L. (See Coffield, Peter T. and J. L.)
- Coffield, James L., assignor to The Coffield Motor Washer Company, Dayton, Ohio. Mounting of dolly-wheels and dashers. No. 1,105,546; July 28; Gaz. vol. 204; p. 1292.
- Coffield Motor Washer Company, The. (See Coffield, James L., assignor.)
- Coffield Motor Washer Company, The. (See Coffield, Peter T., assignor.)
- Coffield Motor Washer Company, The. (See Coffield, Peter T. and J. L., assignors.)
- Coffield, Peter T., assignor to The Coffield Motor Washer Company, Dayton, Ohio. Drain-spigot. No. 1,098,712; June 2; Gaz. vol. 203; p. 122.
- Coffield, Peter T. and J. L., assignors to The Coffield Motor Washer Company, Dayton, Ohio. Sanitary drinking-cup. No. 1,105,547; July 28; Gaz. vol. 204; p. 1292.
- Coffill, Walter H., Oakland Beach, R. I. Muffler. No. 1,113,410; Oct. 13; Gaz. vol. 207; p. 392.
- Coffin, Charles W., assignor to The E. T. Burrowes Company, Portland, Me. Folding table. No. 1,090,451; Mar. 17; Gaz. vol. 200; p. 703.
- Coffin, Francis P., Schenectady, N. Y., assignor to General Electric Company. Low-pressure steam-generator. No. 1,105,405; July 28; Gaz. vol. 204; p. 1243.
- Coffin, Howard E., assignor to Chalmers Detroit Motor Company, Detroit, Mich. Clutch and brake control for motor-vehicles. No. 1,105,548; July 28; Gaz. vol. 204; p. 1293.
- Coffin, James G., trustee. (See Cornwall, George R., assignor.)
- Coffin, James G., trustee. (See Moore, Charles T., assignor.)
- Coffin, James G., trustee. (See Saltzman, Auguste L., assignor.)
- Coffin, Joel S. (See Baird, Archie M., assignor.)
- Coffin, Walter E., assignor to The National Malleable Castings Company, Cleveland, Ohio. Pilot-coupling for locomotives. No. 1,097,535; May 19; Gaz. vol. 202; p. 888.
- Coffin, Walter E., assignor to The National Malleable Castings Company, Cleveland, Ohio. Coupling-shank and yoke connection. No. 1,097,536; May 19; Gaz. vol. 202; p. 888.
- Coffin, Walter E., assignor to The National Malleable Castings Company, Cleveland, Ohio. Hand-brake mechanism. No. 1,098,427; June 2; Gaz. vol. 203; p. 25.
- Coffin, Walter E., Cleveland, Ohio, assignor to The National Malleable Castings Company. Hand-brake mechanism. No. 1,098,428; June 2; Gaz. vol. 203; p. 25.
- Coffin, Walter E., assignor to The National Malleable Castings Company, Cleveland, Ohio. Draft-gear. No. 1,105,063; July 28; Gaz. vol. 204; p. 1122.
- Coffman, Henry C., and B. F. Van Horne, Gary, Ind. Photographic-printing apparatus. No. 1,114,116; Oct. 20; Gaz. vol. 207; p. 677.

Alphabetical list of patentees—Continued.

- Coffman, Henry F., Carrville, Cal. Dividers. No. 1,108,706; Aug. 25; Gaz. vol. 205; p. 1229.
- Coffman, James W., Springfield, Ill. Coupling. No. 1,109,737; Sept. 8; Gaz. vol. 206; p. 352.
- Coffman Manufacturing Company. (See Coffman, Samuel M., assignor.)
- Coffman, Mary J., Canton, Ohio. Securing device. No. 1,102,002; June 30; Gaz. vol. 203; p. 1437.
- Coffman, Samuel M. (See Jones and Coffman.)
- Coffman, Samuel M., assignor to Coffman Manufacturing Company, Kansas City, Mo. Vending-machine. No. 1,120,907; Dec. 15; Gaz. vol. 209; p. 783.
- Cogan, Henry. (See Keller and Cogan.)
- Cogger, William B., Cleveland, assignor to T. Kundtz, Lakewood, Ohio. Combined chair and table-leaf. No. 1,093,686; Apr. 21; Gaz. vol. 201; p. 610.
- Cogger, William B., Cleveland, assignor to T. Kundtz, Lakewood, Ohio. Desk or table. No. 1,121,713; Dec. 22; Gaz. vol. 209; p. 1099.
- Coghlin, Bernard W. P., Montreal, Quebec, Canada. Ground-anchor. No. 1,084,695; Jan. 20; Gaz. vol. 198; p. 537.
- Cogswell, Asa F., Kirwin, Kans. Shipping-crate. No. 1,088,881; Mar. 3; Gaz. vol. 200; p. 71.
- Cohée, George M., Logansport, Ind. Swing. No. 1,083,387; Jan. 6; Gaz. vol. 198; p. 43.
- Cohen, Alfred H., San Francisco, Cal. Means for producing oscillating currents of high frequency. No. 1,110,253; Sept. 8; Gaz. vol. 206; p. 536.
- Cohen, Frank W. (See Yates and Cohen.)
- Cohen, Herman. (See Goldstein, Barnett H., assignor.)
- Cohen, Hyman, Brooklyn, N. Y. Vehicle-top. No. 1,106,131; Aug. 4; Gaz. vol. 205; p. 192.
- Cohen, Julius, Manchester, England. Portable and folding desk-rest or the like and means for supporting the same. No. 1,111,524; Sept. 22; Gaz. vol. 206; p. 1063.
- Cohen, Lewis A., Helena, Mont. Garment and cover supporter. No. 1,098,663; June 2; Gaz. vol. 203; p. 105.
- Cohen, Louis, Cambridge, Mass. System of distribution for oscillatory electrical currents. No. 1,123,098; Dec. 29; Gaz. vol. 209; p. 1620.
- Cohen, Maurice H., Brooklyn, N. Y. Combined gas-burner and water-heater. No. 1,107,038; Aug. 11; Gaz. vol. 205; p. 548.
- Cohen, Max. (See Mandel and Cohen.)
- Cohen, Max, assignor of one-half to himself and one-half to B. Borer, New York, N. Y. Fending device. No. 1,097,537; May 19; Gaz. vol. 202; p. 888.
- Cohen, Morris, Brooklyn, N. Y. Bag-frame. No. 1,114,449; Oct. 20; Gaz. vol. 207; p. 797.
- Cohen, Morris J., South Hampstead, London, England. Necktie. No. 1,104,411; July 21; Gaz. vol. 204; p. 846.
- Cohen, Philip F., New York, N. Y. Paper-plaiting machine. No. 1,107,265; Aug. 18; Gaz. vol. 205; p. 678.
- Cohen, Reuben. (See Bachowski and Cohen.)
- Cohn, Adolph H., Larchmont, N. Y. Hose-supporter. No. 1,085,019; Jan. 20; Gaz. vol. 198; p. 645.
- Cohn, Albert, assignor to Edward Katzinger Company, Chicago, Ill. Baking-pan. No. 1,084,790; Jan. 20; Gaz. vol. 198; p. 569.
- Cohn, Gerson. (See Jones, Edward S., assignor.)
- Cohn, Henry, New York, N. Y. Printing-frame. No. 1,108,707; Aug. 25; Gaz. vol. 205; p. 1230.
- Cohn, Henry J., Chicago, Ill. Autodrome. No. 1,091,484; Mar. 31; Gaz. vol. 200; p. 1126.
- Cohn, Jacob W., and M. Weiner, assignors to Cohn, Rissman & Company, Chicago, Ill. Cutting and fitting wearing-apparel. No. 1,121,581; Dec. 15; Gaz. vol. 209; p. 1017.
- Cohn, Louis, New York, N. Y. Double card-case. No. 1,093,315; Apr. 14; Gaz. vol. 201; p. 445.
- Cohn, Max, New York, N. Y. Shirt-waist. No. 1,090,452; Mar. 17; Gaz. vol. 200; p. 703.
- Cohn, Max, Philadelphia, Pa. Skirt. No. 1,119,136; Dec. 1; Gaz. vol. 209; p. 83.
- Cohn, Max M., Piedmont, assignor of one-half to C. R. Hadley, Los Angeles, Cal. Perpetual index. No. 1,090,385; Mar. 17; Gaz. vol. 200; p. 678.
- Cohn, Rissman & Company. (See Cohn and Weiner, assignors.)
- Cohn, Sidney W., Chicago, Ill. Smoker's set. No. 1,102,003; June 30; Gaz. vol. 203; p. 1437.
- Coin Controlled Lock Co. (See Farnsworth, Willis S., assignor.)
- Coin, James W. (See Buckley and Coin.)
- Coin Machine Manufacturing Company. (See Birkenbeuel, Edward B., assignor.)
- Coladant, Ernest A. N., Paris, France, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,097,170; May 19; Gaz. vol. 202; p. 763.
- Colahan, Charles, Lexington, Ky. Machine for breaking, cleaning, and softening fiber. No. 1,101,407; June 23; Gaz. vol. 203; p. 1177.
- Colardeau, Louis J. E., and J. Richard, Paris, France. Automatic device for controlling the operation of photographic apparatus. No. 1,104,412; July 21; Gaz. vol. 204; p. 847.
- Colardeau, Louis J. E., and J. Richard, Paris, France. Photographic shutter. No. 1,117,637; Nov. 17; Gaz. vol. 208; p. 836.
- Colas, Joseph E., and E. L. M. Ragonot, Paris, France. Brush for electric contacts. No. 1,109,899; Sept. 8; Gaz. vol. 206; p. 409.
- Colbert, Clarence F., Hoopeston, Ill. Tipping-machine. No. 1,111,006; Sept. 22; Gaz. vol. 206; p. 885.
- Colborne, Robert F., Strathfield, near Sydney, New South Wales, Australia. Shunter's hand-actuated air-brake valve. No. 1,094,426; Apr. 28; Gaz. vol. 201; p. 914.
- Colburn Automobile Company, The. (See Colburn, Herbert C., assignor.)
- Colburn, Herbert C., Victor, Colo. Apparatus for separating liquid from solid matter. No. 1,112,119; Sept. 29; Gaz. vol. 206; p. 1304.
- Colburn, Herbert C., assignor to The Colburn Automobile Company, Denver, Colo. Water-cooling apparatus for the explosive-mixture-operating motors of automobiles and other vehicles. No. 1,084,845; Jan. 20; Gaz. vol. 198; p. 588.
- Colburn, Irving W., Franklin, Pa., assignor, by mesne assignments, to Toledo Glass Company, Toledo, Ohio. Sheet-glass-drawing machine. No. 1,122,692; Dec. 29; Gaz. vol. 209; p. 1478.
- Colburn Machine Tool Company. (See Clarke, Frederick F., assignor.)
- Colburn Machine Tool Company. (See Geck, Albert A., assignor.)
- Colby, Alfred H. (See Bissett, John H., assignor.)
- Colby, Alson B., assignor to Electric Security Company, Portland, Oreg. Alarm for protecting permutation-locks. No. 1,102,571; July 7; Gaz. vol. 204; p. 123.
- Colby, Benjamin F., Boston, Mass. Bottle-seal. No. 1,117,792; Nov. 17; Gaz. vol. 208; p. 893.
- Colby, Daniel W., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fasteners. No. 1,106,367; Aug. 11; Gaz. vol. 205; p. 314.
- Colby, Edward L., Auburn, N. Y. Transformer. No. 1,121,479; Dec. 15; Gaz. vol. 209; p. 981.
- Colby, Harold A., Spring Grove, Ill. Fruit-picker. No. 1,117,332; Nov. 17; Gaz. vol. 208; p. 730.
- Colby, Leland A., Clio, Cal. Crosscut-saw set. No. 1,115,508; Nov. 3; Gaz. vol. 208; p. 14.
- Colby, Stella B., assignor to W. H. Colby, Detroit, Mich. Device for facilitating the handling of coin. No. 1,089,328; Mar. 3; Gaz. vol. 200; p. 222.
- Colby, Willis H. (See Colby, Stella B., assignor.)
- Coldiron, James L., assignor of one-fourth to J. P. Martin, one-fourth to D. S. Holland, and one-fourth to L. C. Downtain, Eastland, Tex. Insect-destroyer. No. 1,090,280; Mar. 17; Gaz. vol. 200; p. 641.
- Coldren, Augustus D., Camden, N. J. Combined cash-drawer and dispensing-receptacle. No. 1,119,402; Dec. 1; Gaz. vol. 209; p. 174.
- Coldren Roofing Co. (See Coldren, William P., assignor.)
- Coldren, William P., Lebanon, Pa. Making conveyer-chain links. No. 1,111,564; Sept. 22; Gaz. vol. 206; p. 1076.
- Coldren, William P., Lebanon, Pa. Chain and bucket connection. No. 1,111,823; Sept. 29; Gaz. vol. 206; p. 1204.
- Coldren, William P., Lebanon, Pa. Chain and flight connection. No. 1,113,309; Oct. 13; Gaz. vol. 207; p. 356.
- Coldren, William P., Lebanon, assignor to Coldren Roofing Co., Lancaster, Pa. Nailing-cleat. No. 1,109,738; Sept. 8; Gaz. vol. 206; p. 352.
- Coldwell, Harry T. (See Coldwell, William H. and H. T.)
- Coldwell, William H., Newburgh, N. Y. Traction and rolling apparatus. No. 1,085,379; Jan. 27; Gaz. vol. 198; p. 807.
- Coldwell, William H., Newburgh, N. Y. Shifting mechanism for gearing. No. 1,116,017; Nov. 3; Gaz. vol. 208; p. 189.
- Coldwell, William H. and H. T., Newburgh, N. Y. Lawn-mower. No. 1,085,585; Jan. 27; Gaz. vol. 198; p. 874.
- Cole, Alonzo E., Forest, Ill. Speedometer attachment. No. 1,118,742; Nov. 24; Gaz. vol. 208; p. 1263.
- Cole, Charles F., Huntington, W. Va. Water-closet. No. 1,090,200; Mar. 17; Gaz. vol. 200; p. 613.
- Cole, Charles F., and Q. Carr, Huntington, W. Va. Gas-burner. No. 1,103,397; July 14; Gaz. vol. 204; p. 454.
- Cole, Clarence, et al. (See Johnson, Clinton A., assignor.)
- Cole, Clark M., Erie, Pa. Ice-creeper. No. 1,102,646; July 7; Gaz. vol. 204; p. 150.
- Cole, Clement E., Floyd, Va. Doubletree-brake. No. 1,113,755; Oct. 13; Gaz. vol. 207; p. 512.
- Cole, David, Tucson, Ariz. Screen. No. 1,111,217; Sept. 22; Gaz. vol. 206; p. 958.
- Cole, Donald. (See Neff, Cole, and Ebersole.)
- Cole, Dwight S., Grand Rapids, Mich. Cabinet-drawer. No. 1,120,028; Dec. 8; Gaz. vol. 209; p. 424.
- Cole, Emory W., Wharton, Tex. Spark-plug. No. 1,105,064; July 28; Gaz. vol. 204; p. 1122.
- Cole, Eugene M., Charlotte, N. C. Agitating-disk for planters. No. 1,104,246; July 21; Gaz. vol. 204; p. 789.
- Cole, Eugene M., Charlotte, N. C. Agitator and feeder for fertilizer-distributors. No. 1,104,247; July 21; Gaz. vol. 204; p. 790.
- Cole, Eugene M., Charlotte, N. C. Cultivator. No. 1,114,117; Oct. 20; Gaz. vol. 207; p. 678.

Alphabetical list of patentees—Continued.

- Cole, Francis J., Schenectady, N. Y. Drifting-valve for locomotives. No. 1,089,904; Mar. 10; Gaz. vol. 200; p. 470.
- Cole, Francis J., Schenectady, N. Y. Valve-gear for three-cylinder locomotives. No. 1,098,940; June 2; Gaz. vol. 203; p. 198.
- Cole, Francis J., Schenectady, N. Y. Drifting-valve for locomotives. No. 1,106,081; Aug. 4; Gaz. vol. 205; p. 173.
- Cole, Francis J., Schenectady, N. Y. Locomotive-engine. No. 1,120,372; Dec. 8; Gaz. vol. 209; p. 546.
- Cole, Fred J., Prescott, Ark. Fertilizer-distributor. No. 1,095,383; May 5; Gaz. vol. 202; p. 71.
- Cole, George N., Upper Montclair, N. J. Counterbalance for doors. No. 1,109,823; Sept. 8; Gaz. vol. 206; p. 381.
- Cole, Harrison I., South Weymouth, Mass. Trawl-towing block. No. 1,086,893; Feb. 10; Gaz. vol. 199; p. 504.
- Cole, James P., Glenview, Ill. Heat generation. No. 1,114,113; Oct. 20; Gaz. vol. 207; p. 677.
- Cole, John C., assignor to Fisk Rubber Company, Chicopee Falls, Mass. Demountable rim. No. 1,114,965; Oct. 27; Gaz. vol. 207; p. 1030.
- Cole, John C., assignor to Fisk Rubber Company, Chicopee Falls, Mass. Removable-rim construction. No. 1,119,067; Dec. 1; Gaz. vol. 209; p. 60.
- Cole, Joseph L., Chicago, Ill. Water-curtain. No. 1,092,243; Apr. 7; Gaz. vol. 201; p. 41.
- Cole, Proctor O., Gould, Okla. Train-pipe coupling. No. 1,090,453; Mar. 17; Gaz. vol. 200; p. 704.
- Cole, Robert C., assignor to The Johns-Pratt Company, Hartford, Conn. Fuse-clip. No. 1,092,430; Apr. 7; Gaz. vol. 201; p. 106.
- Cole, Robert C., assignor to The Johns-Pratt Company, Hartford, Conn. Non-renewable fuse. No. 1,114,340; Oct. 20; Gaz. vol. 207; p. 757.
- Cole, Robert C., assignor to The Johns-Pratt Company, Hartford, Conn. Electric safety-fuse. No. 1,122,478; Dec. 29; Gaz. vol. 209; p. 1401.
- Cole, Thaddeus C., Herington, Kans. Combination-mold for concrete fence posts and braces. No. 1,085,593; Feb. 3; Gaz. vol. 199; p. 5.
- Coleburn, Early B., *et al.* (See Fitzgerald, William P., assignor.)
- Coleburn, Joseph W., *et al.* (See Fitzgerald, William P., assignor.)
- Coleman, Arthur, Higgins, Tex. Gearing. No. 1,099,843; June 9; Gaz. vol. 203; p. 547.
- Coleman, Arthur J., Greenfield, Ind. Attachment for animal-traps. No. 1,095,081; Apr. 28; Gaz. vol. 201; p. 1144.
- Coleman, Clarence W. (See Lane and Coleman.)
- Coleman, Clarence W., deceased; K. Coleman, administratrix, Westfield, N. J., assignor, by mesne assignments, to Hall Switch & Signal Company, New York, N. Y. Charging-switch for storage batteries. No. 1,090,201; Mar. 17; Gaz. vol. 200; p. 613.
- Coleman, Clarence W., deceased, Westfield, N. J.; K. Coleman, administratrix, assignor, by mesne assignments, to The Hall Switch & Signal Company, New York, N. Y. Motor mechanism. No. 1,095,453; May 5; Gaz. vol. 202; p. 95.
- Coleman, Clyde, Chicago, Ill., assignor, by mesne assignments, to G. B. French, Boston, Mass., and F. L. Hall, New York, N. Y. Electrically-operated musical instrument. No. 1,107,495; Aug. 18; Gaz. vol. 205; p. 761.
- Coleman, Clyde J., New York, N. Y. Wardrobe. No. 1,087,278; Feb. 17; Gaz. vol. 199; p. 687.
- Coleman, Clyde J., New York, N. Y. Wardrobe. No. 1,097,844; May 26; Gaz. vol. 202; p. 1041.
- Coleman, Clyde J., assignor, by mesne assignments, to Hall Switch & Signal Company, New York, N. Y. Traffic-controlling apparatus. No. 1,088,807; Mar. 3; Gaz. vol. 200; p. 45.
- Coleman, Clyde J., assignor to Hall Switch & Signal Company, New York, N. Y. Railway signaling apparatus. No. 1,089,395; Mar. 10; Gaz. vol. 200; p. 291.
- Coleman, Clyde J., New York, N. Y., assignor to The Hall Switch & Signal Company. Railway signaling system. No. 1,097,080; May 19; Gaz. vol. 202; p. 732.
- Coleman, Clyde J., assignor, by mesne assignments, to Hall Switch & Signal Company, New York, N. Y. Railway signaling apparatus. No. 1,101,120; June 23; Gaz. vol. 203; p. 1080.
- Coleman, Clyde J., assignor, by mesne assignments, to Hall Switch & Signal Company, New York, N. Y. Railway-traffic-controlling system. No. 1,114,118; Oct. 20; Gaz. vol. 207; p. 678.
- Coleman, Clyde J., New York, N. Y., assignor to New York Safety Chest Company. Alarm-shield. No. 1,096,413; May 12; Gaz. vol. 202; p. 458.
- Coleman, Clyde J., New Rochelle, assignor to C. Hubert, New York, N. Y. Engine-starter. No. 1,102,322; July 7; Gaz. vol. 204; p. 35.
- Coleman, Clyde J., assignor to C. Hubert, New York, N. Y. Alarm for vehicles. No. 1,117,482; Nov. 17; Gaz. vol. 208; p. 782.
- Coleman, Clyde J., New York, N. Y., assignor, by mesne assignments, to Virginia Refrigerator Corporation. Refrigerating apparatus. No. 1,102,998; July 7; Gaz. vol. 204; p. 268.
- Coleman, Clyde J., New York, N. Y., assignor, by mesne assignments, to Virginia Refrigerator Corporation. Refrigerating apparatus. No. 1,102,999; July 7; Gaz. vol. 204; p. 268.
- Coleman, Emma S., Beatrice, Nebr. Composition of matter for preserving eggs. No. 1,120,029; Dec. 8; Gaz. vol. 209; p. 425.
- Coleman, Frank J., Washington, D. C. Combined priming-cup and compression-relief cock. No. 1,091,485; Mar. 31; Gaz. vol. 200; p. 1127.
- Coleman, Frederick A., Cleveland, Ohio. Oil-burner. No. 1,098,429; June 2; Gaz. vol. 203; p. 25.
- Coleman, Hale S., Ashland, Wis., assignor of one-half to V. P. Coleman, Champlin, Minn. Convertible sled and carriage. No. 1,117,638; Nov. 17; Gaz. vol. 208; p. 837.
- Coleman, James M., Westmount, Quebec, Canada. Flexible lock-joint for car bodies and trucks. No. 1,089,396; Mar. 10; Gaz. vol. 200; p. 292.
- Coleman, James M., Montreal, Quebec, Canada. Car construction. No. 1,111,949; Sept. 29; Gaz. vol. 206; p. 1248.
- Coleman, John P., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-signal. No. 1,085,726; Feb. 3; Gaz. vol. 199; p. 52.
- Coleman, John P., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Gearing. No. 1,109,900; Sept. 8; Gaz. vol. 206; p. 410.
- Coleman, John W., and A. Gorden, Spot, Tenn. Wire-stretcher. No. 1,107,039; Aug. 11; Gaz. vol. 205; p. 549.
- Coleman, Katherine, administratrix. (See Coleman, Clarence W.)
- Coleman, Katherine, administratrix. (See Lane and Coleman.)
- Coleman, Lockett G., Ottawa, Ontario, Canada. Lock for switch-stands. No. 1,116,388; Nov. 10; Gaz. vol. 208; p. 355.
- Coleman, Norman H., Fibre, Mich. Whip-holder. No. 1,100,122; June 16; Gaz. vol. 203; p. 682.
- Coleman, Oliver, Wawanesa, Manitoba, Canada. Telephone system. No. 1,109,111; Sept. 1; Gaz. vol. 206; p. 90.
- Coleman, Oscar B., Hartsells, Ala. Furrow-gage. No. 1,106,028; Aug. 4; Gaz. vol. 205; p. 155.
- Coleman, Robert, *et al.* (See Byrnes, John F., assignor.)
- Coleman, Silas E., Oakland, Cal. Fume-hood for chemical laboratories. No. 1,117,551; Nov. 17; Gaz. vol. 208; p. 806.
- Coleman, Thomas A., assignor of one-half to P. Vredenburg, Jr., Vredenburg, Ala. Log-turner. No. 1,121,978; Dec. 22; Gaz. vol. 209; p. 1193.
- Coleman, Vernon P. (See Coleman, Hale S., assignor.)
- Coles, David H., Brooklyn, N. Y. Safety can-opener. No. 1,096,602; May 12; Gaz. vol. 202; p. 522.
- Coles, David H., New York, N. Y., and F. Charavay, Jersey City Heights, N. J., assignors to Requa Motor Company. Rotary distributing valve-body. No. 1,110,310; Sept. 15; Gaz. vol. 206; p. 595.
- Coles, Ernest H. (See Woodington and Coles.)
- Coles Manufacturing Company. (See Braun, William F. H., assignor.)
- Coles, Walter H., Troy, Ohio. Nozzle. No. 1,104,965; July 28; Gaz. vol. 204; p. 1088.
- Coley, John A., assignor to M. E. Coley, Somerville, N. J. Feather-fabric machine. No. 1,104,628; July 21; Gaz. vol. 204; p. 923.
- Coley, Mabel E. (See Coley, John A., assignor.)
- Coley, Robert L., Kannapolis, N. C. Thread-cutting attachment for sewing-machines. No. 1,089,905; Mar. 10; Gaz. vol. 200; p. 470.
- Colignon, Ferdinand E., Paris, France. Fire-box of industrial and household heating apparatus. No. 1,086,996; Feb. 10; Gaz. vol. 199; p. 538.
- Collagan, Patrick, East Newark, N. J. Rain-proof hat-covering. No. 1,116,018; Nov. 3; Gaz. vol. 208; p. 189.
- Collar, Lloyd D., Yreka, Cal. Oil-burning system. No. 1,110,745; Sept. 15; Gaz. vol. 206; p. 750.
- Collard, Robert L., Dermott, Ark. Sliding-door fastener. No. 1,120,373; Dec. 8; Gaz. vol. 209; p. 546.
- Collardon, Louis, West Bromwich, England. Manufacture of rubber compounds. No. 1,098,882; June 2; Gaz. vol. 203; p. 178.
- Collardon, Louis, West Bromwich, England. Antifouling paint and varnish. No. 1,105,619; Aug. 4; Gaz. vol. 205; p. 10.
- Collet, Albert, assignor to Sté. Maurice et Pierre Collet et Cie., Paris, France. Portable machine for grooving railway-sleepers. No. 1,088,209; Feb. 24; Gaz. vol. 199; p. 1057.
- Collett, Emil, assignor to Norsk Hydro-Elektrisk Kvaestof-aktieselskab, Christiania, Norway. Obtaining nitrates and nitrites from nitrate-nitrite mixtures. No. 1,110,481; Sept. 15; Gaz. vol. 206; p. 658.
- Collett, Henry A. (See Wernet and Collett.)
- Collett, Hubert L. (See Rogers and Collett.)
- Collett, John C., Dayton, Ohio. Carbureter. No. 1,095,384; May 5; Gaz. vol. 202; p. 71.
- Collett, Jonathan P., Greenville, Ohio. Mausoleum. No. 1,115,284; Oct. 27; Gaz. vol. 207; p. 1143.

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- Colley, Bernard T., Rancagua, Chile. Smelting and briquetting. No. 1,098,883; June 2; Gaz. vol. 203; p. 178.
- Collier, Andrew J., Stinesville, Ind. Can or box lifter. No. 1,085,542; Jan. 27; Gaz. vol. 198; p. 859.
- Collier, Frank S., Fremont, Ohio. Illuminated head-covering. No. 1,096,285; May 12; Gaz. vol. 202; p. 416.
- Collier, George M., assignor of three-sixteenth to C. W. Geist and three-sixteenths to G. A. Edmondson, Cincinnati, Ohio. Return-valve for radiators and similar devices. No. 1,084,255; Jan. 13; Gaz. vol. 198; p. 361.
- Collier, Guy B., Kinderhook, N. Y. Carbureter. No. 1,110,482; Sept. 15; Gaz. vol. 206; p. 658.
- Collier, Henry C., Mexia, Tex. Mouse-guard attachment for piano-pedals. No. 1,086,648; Feb. 10; Gaz. vol. 199; p. 419.
- Collier, Horace W. (See Tolbert, Fred, assignor.)
- Collier, John V., and A. W. Edwards, assignors to The Northampton Machinery Co. Limited, Northampton, England. Starting and stopping mechanism for presses. No. 1,083,989; Jan. 13; Gaz. vol. 198; p. 271.
- Collier, Skinner A., Providence, R. I. Combination shade and curtain bracket. No. 1,095,551; May 5; Gaz. vol. 202; p. 130.
- Collin, George W., assignor to The Collin Valve Company, Bridgeport, Conn. Regulating-valve. No. 1,101,617; June 30; Gaz. vol. 203; p. 1302.
- Collin, Louis T., Sacred Heart, Minn. Corn-husking mechanism. No. 1,087,484; Feb. 17; Gaz. vol. 199; p. 759.
- Collin Valve Company, The. (See Collin, George W., assignor.)
- Collings, Edward T., Phoenix, Ariz. Harrow-tooth. No. 1,116,997; Nov. 10; Gaz. vol. 208; p. 572.
- Collins, Albert K., assignor of one-half to B. J. Nance, Lancaster, S. C. Barrette. No. 1,086,997; Feb. 10; Gaz. vol. 199; p. 538.
- Collins, Alva C. (See Davis and Collins.)
- Collins, Alvin G., Detroit, Mich. Garbage-receiver and sink-strainer combined. No. 1,083,990; Jan. 13; Gaz. vol. 198; p. 271.
- Collins, Arthur L., San Francisco, Cal. Well. No. 1,094,532; Apr. 28; Gaz. vol. 201; p. 951.
- Collins, Arthur L., San Francisco, Cal. Well-casing. No. 1,112,676; Oct. 6; Gaz. vol. 207; p. 95.
- Collins, Charles E., New York, N. Y. Unbuttoning implement. No. 1,084,399; Jan. 13; Gaz. vol. 198; p. 408.
- Collins, Charles H., Albany, N. Y. Tapestry-carpet-setting frame. No. 1,103,128; July 14; Gaz. vol. 204; p. 363.
- Collins, Charles W., Seattle, Wash. Movable floor for bathing-pools. No. 1,101,166; June 23; Gaz. vol. 203; p. 1095.
- Collins, Charles W., Tiffin, Ohio. Pumping mechanism. No. 1,116,389; Nov. 10; Gaz. vol. 208; p. 355.
- Collins, Cornelius, Burlingame, Cal. Lath-fastener. No. 1,105,183; July 28; Gaz. vol. 204; p. 1162.
- Collins, Daniel B., Fargo, N. D. Screen. No. 1,120,601; Dec. 8; Gaz. vol. 209; p. 628.
- Collins, Dave W., Earl, Ark. Metal cutter or shears. No. 1,096,684; May 12; Gaz. vol. 202; p. 549.
- Collins, Edgar F., Schenectady, N. Y., assignor to General Electric Company. Thermo-electric regulator. No. 1,121,979; Dec. 22; Gaz. vol. 209; p. 1193.
- Collins, Frank B. (See Rudd and Collins.)
- Collins, Frederick E. (See Peters, Louis S., assignor.)
- Collins, Harry K., Sr., Vandergrift, Pa. Polishing and grinding device for rolls. No. 1,086,806; Feb. 10; Gaz. vol. 199; p. 475.
- Collins, Herbert G. (See Sargent and Collins.)
- Collins, Horace B., Fort Worth, Tex. Knob-fastening. No. 1,085,543; Jan. 27; Gaz. vol. 198; p. 859.
- Collins, James E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Cutting-machine. No. 1,083,349; Jan. 6; Gaz. vol. 198; p. 30.
- Collins, James E., Danvers, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for thickening the edges of soles. No. 1,093,035; Apr. 14; Gaz. vol. 201; p. 346.
- Collins, John C., West Philadelphia, Pa. Swinging cradle. No. 1,102,140; June 30; Gaz. vol. 203; p. 1486.
- Collins, Joseph F., Washington, D. C. Drafting instrument. No. 1,109,322; Sept. 1; Gaz. vol. 206; p. 165.
- Collins, Kittle. (See Kohler, Joseph, assignor.)
- Collins, Leon C., Revere, Mass. Watch, clock, and the like. No. 1,099,117; June 2; Gaz. vol. 203; p. 254.
- Collins, Michael H., West Hoboken, N. J. Railway signaling system. No. 1,090,825; Mar. 17; Gaz. vol. 200; p. 827.
- Collins, Patrick J., assignor of one-half to J. V. Horn, Philadelphia, Pa. Device for splitting rolls. No. 1,098,941; June 2; Gaz. vol. 203; p. 199.
- Collins, Paul E., Boston, Mass. Circuit-controlling apparatus. No. 1,101,254; June 23; Gaz. vol. 203; p. 1126.
- Collins, Roderick G., Jr., New York, N. Y. Pneumatic despatch system. No. 1,102,323; July 7; Gaz. vol. 204; p. 36.
- Collins, Roderick G., Jr., New York, N. Y. Terminal for pneumatic-despatch apparatus. No. 1,102,324; July 7; Gaz. vol. 204; p. 36.
- Collins, Roderick G., Jr., New York, N. Y. Pneumatic-despatch apparatus. No. 1,108,136; Aug. 25; Gaz. vol. 205; p. 1032.
- Collins, Roderick G., Jr., New York, N. Y. Apparatus for controlling the movement of carriers in pneumatic-despatch apparatus. No. 1,108,137; Aug. 25; Gaz. vol. 205; p. 1032.
- Collins, Roderick G., Jr., New York, N. Y. Conduit and car for pneumatic railways. No. 1,120,133; Dec. 8; Gaz. vol. 209; p. 460.
- Collins, Russell F., Spokane, Wash. Gravity ore-crusher. No. 1,118,474; Nov. 24; Gaz. vol. 208; p. 1171.
- Collins, Simon C., Falmouth, Pa. Rail-fastener. No. 1,103,129; July 14; Gaz. vol. 204; p. 363.
- Collins, Simon M., Pueblo, Colo. Level. No. 1,105,493; July 28; Gaz. vol. 204; p. 1274.
- Collins, Walter L., Milford, Mass. Metallic reinforcing-strip. No. 1,122,076; Dec. 22; Gaz. vol. 209; p. 1227.
- Collins, Wesley T., Colorado Springs, Colo. Briquet-molding machine. No. 1,117,483; Nov. 17; Gaz. vol. 208; p. 782.
- Collins, William E., Cambridge, N. Y. Box-fastener. No. 1,105,024; July 28; Gaz. vol. 204; p. 1108.
- Collins, William P., Boston, Mass. Brake mechanism. No. 1,084,792; Jan. 20; Gaz. vol. 198; p. 570.
- Collins, William P., Boston, Mass. Rotary brake mechanism. No. 1,102,325; July 7; Gaz. vol. 204; p. 37.
- Collins, William P., assignor to Automatic Air Brake Company, Boston, Mass. Brake mechanism. No. 1,084,791; Jan. 20; Gaz. vol. 198; p. 569.
- Collins, William P., assignor to Automatic Air Brake Company, Boston, Mass. Brake mechanism. No. 1,086,649; Feb. 10; Gaz. vol. 199; p. 419.
- Collins, William P., assignor to Automatic Air Brake Company, Boston, Mass. Brake mechanism. No. 1,093,172; Apr. 14; Gaz. vol. 201; p. 396.
- Collins, William P., assignor to Automatic Air Brake Company, Boston, Mass. Brake mechanism. No. 1,108,138; Aug. 25; Gaz. vol. 205; p. 1033.
- Collins, William R., Chicago, Ill. Stuffing-box. No. 1,087,639; Feb. 17; Gaz. vol. 199; p. 815.
- Collins, Willis E., Asheville, N. C. Treating cereals. No. 1,103,660; July 14; Gaz. vol. 204; p. 549.
- Collinson, Francis E., Walthamstow, London, England, assignor of one-half to Taylor Instrument Companies, Rochester, N. Y. Barometer. No. 1,107,496; Aug. 18; Gaz. vol. 205; p. 761.
- Collis, Alfred and J. H., London, England. Cutting-machine for paper. No. 1,118,843; Nov. 24; Gaz. vol. 208; p. 1295.
- Collis Company, The. (See Collis, Oliver D., assignor.)
- Collis, Edwin H. (See Nielsen, Peter C., assignor.)
- Collis, George, Dubuque, Iowa, assignor, by mesne assignments, to Paramount Metal Form Drying Company, Beaver Dam, Wis. Apparatus for drying and shaping hosiery and the like. No. 1,114,966; Oct. 27; Gaz. vol. 207; p. 1031.
- Collis, Henry J., Taunton, Mass. Ankle support and protector. No. 1,084,197; Jan. 13; Gaz. vol. 198; p. 343.
- Collis, Henry J., Taunton, Mass. Ankle support and protector. No. 1,090,906; Mar. 24; Gaz. vol. 200; p. 886.
- Collis, John H. (See Collis, Alfred and J. H.)
- Collis, Oliver D., assignor to The Collis Company, Clinton, Iowa. Camp-broiler. No. 1,091,877; Mar. 31; Gaz. vol. 200; p. 1264.
- Collischonn, Friedel, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to General Electric Company. Dynamo-electric variable gearing. No. 1,083,729; Jan. 6; Gaz. vol. 198; p. 157.
- Collischonn, Friedel, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to General Electric Company. Driving mechanism for motor-vehicles. No. 1,083,730; Jan. 6; Gaz. vol. 198; p. 157.
- Collischonn, Friedrich, Frankfort-on-the-Main, and F. Ruppert, Mainz-Mombach, assignors to Verein für Chemische Industrie in Mainz, Mainz, Germany. Making a cellulose acetate soluble in ethyl acetate. No. 1,109,512; Sept. 1; Gaz. vol. 206; p. 230.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Winder. No. 1,105,065; July 28; Gaz. vol. 204; p. 1123.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Thread-board-cleaning apparatus. No. 1,114,859; Oct. 27; Gaz. vol. 207; p. 993.
- Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Machine for preparing warps for weaving. No. 1,115,399; Oct. 27; Gaz. vol. 207; p. 1181.
- Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Mechanical movement. No. 1,116,019; Nov. 3; Gaz. vol. 208; p. 189.
- Colman, Howard D., and B. A. Peterson, assignors to Barber-Colman Company, Rockford, Ill. Bobbin-cluster. No. 1,115,509; Nov. 3; Gaz. vol. 208; p. 15.
- Colmant, Albert L., Chatenay, France. Explosive-engine. No. 1,101,408; June 23; Gaz. vol. 203; p. 1178.
- Colombel, Gaston E., Paris, France. Compass with angular-shifting magnifying device. No. 1,107,901; Aug. 18; Gaz. vol. 205; p. 901.
- Colombier, Paul, Paris, France. Vacuum-pump. No. 1,087,728; Feb. 17; Gaz. vol. 199; p. 846.

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- Colombo, Achille, Turin, Italy, and T. Hugo, Wilmersdorf, near Berlin, assignors to Firm Gebrüder Telschow, Berlin, Germany. Envelop-making machine. No. 1,091,811; Mar. 31; Gaz. vol. 200; p. 1241.
- Colombot, Annetta, Madison, Conn. Foldable box. No. 1,114,860; Oct. 27; Gaz. vol. 207; p. 993.
- Colombot, Annetta, Madison, Conn. Fly-paper holder. No. 1,114,861; Oct. 27; Gaz. vol. 207; p. 994.
- Colombot, Annetta J., Madison, Conn. Hat-fastener. No. 1,085,972; Feb. 3; Gaz. vol. 199; p. 140.
- Colona Manufacturing Company. (See Shrum, Peter J., assignor.)
- Colonial Fast Color Tipping Company. (See Gallison, Ernest A., assignor.)
- Colonial Fireplace Co. (See Guy, Walter W., assignor.)
- Colonial Trust Company, The, trustee. (See Crist, Mark B., assignor.)
- Colonial Trust Company, The, trustee. (See Dow, Herbert H., assignor.)
- Colonial Trust Company, The, trustee. (See Kasley, Alexander T., assignor.)
- Colonial Trust Company, The, trustee. (See London, William J. A., assignor.)
- Colonial Trust Company, The, trustee. (See McClelland and Bole, assignors.)
- Colonial Trust Company, The, trustee. (See West, Arthur J., assignor.)
- Colorado Iron Works Company. (See Lowden, Hugh B., assignor.)
- Colorado Iron Works Company. (See Rothwell, John E., assignor.)
- Colpitts, Edwin H., Elizabeth, N. J., assignor to Western Electric Company, Chicago, Ill. Electromagnetic coll. No. 1,116,020; Nov. 3; Gaz. vol. 208; p. 190.
- Colpitts, Fawcett H., Gates, Oreg. Protractor. No. 1,095,552; May 5; Gaz. vol. 202; p. 131.
- Colson, Frederick W., assignor to The Machine Parts Company, Elyria, Ohio. Vehicle. No. 1,100,713; June 23; Gaz. vol. 203; p. 938.
- Colstad, Charles N., Atlantic, Mass. Air-pump for automobiles. No. 1,100,056; June 16; Gaz. vol. 203; p. 658.
- Colt, Le Baron C., Bristol, R. I. Sole-rolling machine. No. 1,097,845; May 26; Gaz. vol. 202; p. 1041.
- Colt, Le Baron C., Bristol, R. I. Sole-rolling machine. No. 1,102,389; July 7; Gaz. vol. 204; p. 59.
- Colt, Le Baron C., Bristol, R. I. Lasting-machine. No. 1,108,551; Aug. 25; Gaz. vol. 205; p. 1178.
- Colthar, William U., assignor to The Champion Chemical Company, Springfield, Ohio. Grave-vault. No. 1,091,196; Mar. 24; Gaz. vol. 200; p. 988.
- Colton, Arthur, and B. W. Scott, assignors to Arthur Colton Company, Detroit, Mich. Molding-machine. No. 1,111,879; Sept. 29; Gaz. vol. 206; p. 1226.
- Columbia-Knickerbocker Trust Company, trustee. (See Kugelgen and Seward, assignors.)
- Columbia-Knickerbocker Trust Company, trustee. (See Oakley and Pentecost, assignors.)
- Columbia Machine & Stopper Corporation. (See Lawson, Clarence J., assignor.)
- Columbia Manufacturing Company. (See Bowers, Lionel F., assignor.)
- Columbia Motor Car Company, The. (See Law, Fred A., assignor.)
- Columbia Nut and Bolt Company. (See MacFarland, Merle, assignor.)
- Columbia Nut and Bolt Company. (See Meredith-Jones, Hubert, assignor.)
- Columbus Glass Company, The. (See Moore, Charles T., assignor.)
- Columbus Truck and Supply Manufacturing Company. (See Morton, Frank M., assignor.)
- Colven, James M., Ossining, N. Y. Filter. No. 1,099,236; June 9; Gaz. vol. 203; p. 340.
- Colver, Charles G., Philadelphia, Pa. Condiment-holder. No. 1,095,082; Apr. 28; Gaz. vol. 201; p. 1144.
- Colvin, Chase, South Charleston, Ohio. Fence-post. No. 1,086,441; Feb. 10; Gaz. vol. 199; p. 346.
- Colvin, Paul R., Janesville, Wis. Wrapper-sealing machine. No. 1,099,237; June 9; Gaz. vol. 203; p. 341.
- Colvocoresses, George M., New York, N. Y. Manufacturing iron alloys. No. 1,106,785; Aug. 11; Gaz. vol. 205; p. 463.
- Colvocoresses, George M., New York, N. Y. Manufacturing iron alloys. No. 1,106,786; Aug. 11; Gaz. vol. 205; p. 463.
- Colwell, John H. (See Setzer, Joel M., assignor.)
- Colwell, William E., Zion City, Ill. Fuel-oil burner. No. 1,120,446; Dec. 8; Gaz. vol. 209; p. 573.
- Comb, Henry, and A. L. Girard, Sterling Junction, Mass. Screw-holder. No. 1,090,028; Mar. 10; Gaz. vol. 200; p. 512.
- Combes, Edward L., Milwaukee, Wis. Attachment for tables and other supports. No. 1,098,482; June 2; Gaz. vol. 203; p. 44.
- Combs, Albut B., assignor of fifty-five one-hundredths to H. L. Keats, Portland, Oreg. Valve-grinder. No. 1,085,322; Jan. 27; Gaz. vol. 198; p. 787.
- Combs, Dena B., Waverly, Ohio. Spark-plug and air-compressor. No. 1,091,295; Mar. 24; Gaz. vol. 200; p. 1020.
- Combs, George W., Leavenworth, Kans. Gyrotory structure. No. 1,123,167; Dec. 29; Gaz. vol. 209; p. 1646.
- Combs, George W., Leavenworth, Kans. Gyrotory structure. No. 1,123,168; Dec. 29; Gaz. vol. 209; p. 1646.
- Combs, George W., Leavenworth, Kans. Gyrotory structure. No. 1,123,169; Dec. 29; Gaz. vol. 209; p. 1646.
- Combs, George W., Leavenworth, Kans. Gyrotory structure. No. 1,123,170; Dec. 29; Gaz. vol. 209; p. 1647.
- Combs, George W., Leavenworth, Kans. Driving and restraining means for self-balancing gyrotory structures. No. 1,123,171; Dec. 29; Gaz. vol. 209; p. 1647.
- Combs, Grover C. (See Bergen and Combs.)
- Comee, Joseph F., assignor to Camel Company, Chicago, Ill. Car-door mechanism. No. 1,105,257; July 28; Gaz. vol. 204; p. 1189.
- Comee, Joseph F., assignor to Camel Company, Chicago, Ill. Car-door. No. 1,108,139; Aug. 25; Gaz. vol. 205; p. 1033.
- Comer, John J., assignor to Automatic Enunciator Company, Chicago, Ill. Loud-speaking telephone system. No. 1,084,070; Jan. 13; Gaz. vol. 198; p. 298.
- Comer, John J., assignor to Automatic Enunciator Company, Chicago, Ill. Differential-microphone repeater. No. 1,089,534; Mar. 10; Gaz. vol. 200; p. 344.
- Comer, John J., Santa Monica, Cal., assignor, by mesne assignments, to The Webb Talking Picture Company. Telephonic transmitter. No. 1,105,066; July 28; Gaz. vol. 204; p. 1123.
- Comer, Samuel A., Sherman, Tex. Life-saving raft. No. 1,123,174; Dec. 29; Gaz. vol. 209; p. 1648.
- Comes, Frederick, New York, N. Y. Clothes-line fastener. No. 1,106,132; Aug. 4; Gaz. vol. 205; p. 193.
- Comey, George P., Cleveland, Ohio. Two-toned rimmed hat. No. 1,096,827; May 19; Gaz. vol. 202; p. 641.
- Comfort, Edward W. (See Osbourn and Comfort.)
- Comfort, Edward W., Winchester, Mass., assignor to American Moistening Company. Thermostatic regulating device. No. 1,122,077; Dec. 22; Gaz. vol. 209; p. 1227.
- Comins, Frank B., Sharon, Mass. Moistening-machine. No. 1,110,746; Sept. 15; Gaz. vol. 206; p. 751.
- Commercial Cable Company. (See Gott, John, assignor.)
- Commercial Cable Company. (See Priest, Charles, assignor.)
- Commercial Cable Company. (See Raymond-Barker, Edward, assignor.)
- Commercial Camera Company. (See Greene, John S., assignor.)
- Commercial Camera Company. (See Jones, Floyd D., assignor.)
- Commercial Truck Company of America. (See Whitney, Eddy R., assignor.)
- Commercial Wireless and Development Company. (See Jensen, Peter L., assignor.)
- Commercial Wireless & Development Company. (See Pridham and Jensen, assignors.)
- Commonwealth Steel Company. (See Frede, Charles F., assignor.)
- Commonwealth Steel Company. (See Howard and Pfleger, assignors.)
- Commonwealth Steel Company. (See Pfleger, Harry M., assignor.)
- Commonwealth Steel Company. (See Sheehan, William M., assignor.)
- Commonwealth Steel Company. (See Westlake, Charles T., assignor.)
- Conninos, George J., Pittsburgh, Pa. Furnace. No. 1,113,411; Oct. 13; Gaz. vol. 207; p. 392.
- Compagnie des Forges et Aciéries de la Marine et d'Homécourt. (See Bourdelles, Emile, assignor.)
- Compagnie Generale de Phonographes Cinematographes et Appareils de Precision. (See Danzer, Henry, assignor.)
- Company "Le Sablage Industriel." (See Bouillet, Jean, assignor.)
- Company Plugge & Holtfort. (See Sebastian, Eugen, assignor.)
- Compo, William E., Toledo, Ohio. Flash-light. No. 1,110,110; Sept. 8; Gaz. vol. 206; p. 486.
- Compos, Michel, Mobile, Ala. Printing-controlled electric sign. No. 1,092,977; Apr. 14; Gaz. vol. 201; p. 327.
- Composite Tie-Plate Corporation. (See Braine, Daniel L., assignor.)
- Compton, Andrew J., Trenton, N. J. Concrete post and similar structure. No. 1,111,646; Sept. 22; Gaz. vol. 206; p. 1106.
- Compton, Clarence D., New York, N. Y. Shoe-expander. No. 1,084,400; Jan. 13; Gaz. vol. 198; p. 408.
- Compton, Harry L., Washington, D. C., assignor to American Dairy Supply Company, Augusta, Me. Mechanism for packing disks and the like. No. 1,113,932; Oct. 13; Gaz. vol. 207; p. 573.
- Compton, John H., and W. Crane, Baltimore, Md. Brake for hand-trucks. No. 1,119,068; Dec. 1; Gaz. vol. 209; p. 60.
- Compton, Melvin D., New York, N. Y. Pump control. No. 1,116,998; Nov. 10; Gaz. vol. 208; p. 573.
- Compton, Melvin D., New York, N. Y. Mechanical movement. No. 1,123,172; Dec. 29; Gaz. vol. 209; p. 1647.
- Compton, Melvin D., New York, N. Y. Self-starter for internal-explosion engines. No. 1,123,173; Dec. 29; Gaz. vol. 209; p. 1648.

Alphabetical list of patentees—Continued.

- Computing Scale Company, The. (See Hopkinson, Joseph, assignor.)
- Comstock, Asa M. (See Corey and Boulthouse, assignors.)
- Comstock, Asa M. (See Folger, Comstock, Corey, and Boulthouse.)
- Comstock, Chester, Ridgewood, N. J., assignor of one-half to C. Leffler, Brooklyn, N. Y. Centrifugal pump. No. 1,084,928; Jan. 20; Gaz. vol. 198; p. 615.
- Comstock, Chester, New York, assignor of one-half to C. Leffler, Brooklyn, N. Y. Balanced centrifugal pump. No. 1,085,020; Jan. 20; Gaz. vol. 198; p. 646.
- Comstock, Corry B., New York, N. Y. Plaster-key. No. 1,085,021; Jan. 20; Gaz. vol. 198; p. 646.
- Comstock, Edgar M., Constantine, Mich. Cord-fastener. No. 1,087,279; Feb. 17; Gaz. vol. 199; p. 688.
- Comstock, Elmer E., Fresno, Cal. Valve. No. 1,084,132; Jan. 13; Gaz. vol. 198; p. 320.
- Comstock, Elmer E., Fresno, Cal. Crude-oil burner. No. 1,098,884; June 2; Gaz. vol. 203; p. 179.
- Comstock, Harry, Mineville, N. Y. Electrostatic separator. No. 1,110,896; Sept. 15; Gaz. vol. 206; p. 805.
- Comstock, Lawrence R., Ardmore, Okla. Plumb-bob. No. 1,110,897; Sept. 15; Gaz. vol. 206; p. 805.
- Conabee, Charles R., Butler, Pa. Extension-ladder lock. No. 1,113,413; Oct. 13; Gaz. vol. 207; p. 393.
- Conan, Walter, Dalkey, Ireland. Pipe and tube. No. 1,123,099; Dec. 29; Gaz. vol. 209; p. 1620.
- Conant, Ball Company. (See Jackson, Charles H., assignor.)
- Conard, Waldo. (See Payne, Samuel R., assignor.)
- Conboie, Joseph A., Pittsburg, Cal. Poultry feed-box. No. 1,102,004; June 30; Gaz. vol. 203; p. 1438.
- Conboie, Joseph A., Pittsburg, Cal. Dropping-board cleaner. No. 1,102,005; June 30; Gaz. vol. 203; p. 1438.
- Concato, Girolamo, Perth Amboy, assignor of three-twentieths to A. J. Ferretti, Cliffside, three-twentieths to A. J. Perrone, Palisades, and two-twentieths to C. H. Kayser, West Orange, N. J. Resilient tire for vehicle-wheels. No. 1,110,672; Sept. 15; Gaz. vol. 206; p. 726.
- Concie, William R., Spokane, Wash. Key-fastening device. No. 1,104,106; July 21; Gaz. vol. 204; p. 742.
- Concie, William R., and C. H. Smith, Hillyard, Wash. Door-buffer. No. 1,119,346; Dec. 1; Gaz. vol. 209; p. 154.
- Concord Company. (See Anderson, Alfred, assignor.)
- Conde, James B., Philadelphia, Pa. Revolver flash-light. No. 1,107,040; Aug. 11; Gaz. vol. 205; p. 549.
- Conde, James B., and C. C. Moscony, Philadelphia, Pa. Wearing-apparel fastener. No. 1,113,878; Oct. 13; Gaz. vol. 207; p. 555.
- Condensite Company of America. (See Aylsworth, Jonas W., assignor.)
- Condit, Clare G., Toledo, Ohio. Liquid and gasoline gage. No. 1,101,409; June 23; Gaz. vol. 203; p. 1178.
- Condit, George M., assignor to The American Ring Company, Waterbury, Conn. Foot-piece connection for soap-dishes. No. 1,085,022; Jan. 20; Gaz. vol. 198; p. 646.
- Condon-Autostop Company. (See Tozzi, Angelo M., assignor.)
- Condon, Edward J., Dixon, Ill. Cement-post machine. No. 1,094,642; Apr. 28; Gaz. vol. 201; p. 991.
- Condon, Henry F., De Kalb, Ill. Clothes-pin. No. 1,109,967; Sept. 8; Gaz. vol. 206; p. 434.
- Condon, Joseph E., assignor to P. H. Kelly, Clinton, Iowa. Clothes-wringer. No. 1,113,603; Oct. 13; Gaz. vol. 207; p. 459.
- Condra, Rufus R., Nashville, Tenn. Score-card. No. 1,122,479; Dec. 29; Gaz. vol. 209; p. 1401.
- Cone, Charles L., Portsmouth, Va., assignor to The Union Special Machine Company, Chicago, Ill. Folding device for sewing-machines. No. 1,115,400; Oct. 27; Gaz. vol. 207; p. 1181.
- Cone, William H., assignor to C. E. Bentley, Chicago, Ill. Electrical recorder. No. 1,088,129; Feb. 24; Gaz. vol. 199; p. 1030.
- Coney, Jesse D., Williamsport, Pa. Apparatus for casting metals. No. 1,089,329; Mar. 3; Gaz. vol. 200; p. 222.
- Congdon, Richard C., Atlanta, Ga. Apparatus for the manufacture of coal-gas. No. 1,090,813; Mar. 17; Gaz. vol. 200; p. 823.
- Congdon, Richard C., Atlanta, Ga. Apparatus for the manufacture of coal-gas. No. 1,099,639; June 9; Gaz. vol. 203; p. 479.
- Conger, Charles A., Oakland, Cal. Closure for condiment-holders and the like. No. 1,102,879; July 7; Gaz. vol. 204; p. 229.
- Conger, Charles A., Oakland, assignor of one-half to J. P. Clark, Alameda, Cal. Salt and pepper shaker. No. 1,102,978; July 7; Gaz. vol. 204; p. 261.
- Conger, John G., and B. R. Quint, Farmington, Wash. Attachment for blinders. No. 1,090,029; Mar. 10; Gaz. vol. 200; p. 512.
- Conine, James B., Camp Hill, Ala. Machine for gathering stones. No. 1,106,190; Aug. 4; Gaz. vol. 205; p. 211.
- Conine, Roland C., Bath, N. Y. Embalming instrument. No. 1,112,982; Oct. 6; Gaz. vol. 207; p. 199.
- Conkey, Leonard L., Grand Rapids, Mich. Veterinary operating-table. No. 1,095,625; May 5; Gaz. vol. 202; p. 154.
- Conkle, James M., Beaver Falls, Pa. Sewer construction. No. 1,110,898; Sept. 15; Gaz. vol. 206; p. 805.
- Conklin, Alfred R., New York, N. Y. Rake. No. 1,113,412; Oct. 13; Gaz. vol. 207; p. 392.
- Conklin, Charles M. (See Dalton and Conklin.)
- Conklin, Charles M., Cincinnati, Ohio. Spark-plug. No. 1,093,113; Apr. 14; Gaz. vol. 201; p. 374.
- Conklin, Elmer H., Chicago, Ill. Steam-dehydrater. No. 1,120,691; Dec. 15; Gaz. vol. 209; p. 707.
- Conklin, Leander H., East Orange, N. J. Maximum-demand electric meter. No. 1,110,254; Sept. 8; Gaz. vol. 206; p. 536.
- Conklin, Melvin H., and D. J. Kirtland, Antonito, Colo. Spring-wheel. No. 1,114,583; Oct. 20; Gaz. vol. 207; p. 843.
- Conkling, Cloud C., assignor to Lackawanna Steel Company, Lackawanna, N. Y. Integral sheet-piling. No. 1,099,166; June 9; Gaz. vol. 203; p. 316.
- Conkling, Ira L., Philadelphia, Pa. Apparatus for filling molds. No. 1,085,973; Feb. 3; Gaz. vol. 199; p. 140.
- Conkling, Ira L., Philadelphia, Pa. Filling molds and the like. No. 1,111,736; Sept. 29; Gaz. vol. 206; p. 1170.
- Conley, C. A., et al. (See Riles, Edward, assignor.)
- Conley Electric Furnace Company, The. (See Hampton, William H., assignor.)
- Conley Foil Company. (See Bryner, Adolf, assignor.)
- Conley, John E., Memphis, Tenn. Rail-brace. No. 1,094,881; Apr. 28; Gaz. vol. 201; p. 1075.
- Conley, Joseph, Anadarko, Okla. Incinerator. No. 1,093,829; Apr. 21; Gaz. vol. 201; p. 657.
- Conlon, James H., Union, Oreg. Electric testing apparatus. No. 1,100,225; June 16; Gaz. vol. 203; p. 717.
- Conn, C. G. (See Gardner, James H., assignor.)
- Conn, Charles G., Elkhart, Ind. Cornet-valve. No. 1,112,120; Sept. 29; Gaz. vol. 206; p. 1304.
- Conn, David, Jr., Waterloo, Iowa. Tractor. No. 1,087,571; Feb. 17; Gaz. vol. 199; p. 790.
- Conn, L. J. (See Crandall, Max E., assignor.)
- Connable, Frank L., Wilmington, Del. Collar-pin. No. 1,091,913; Mar. 31; Gaz. vol. 200; p. 1276.
- Connaghan, Francis, Paola, Kans. Sliding-door lock. No. 1,100,226; June 16; Gaz. vol. 203; p. 718.
- Conne, Louis, assignor of one-half to H. Isaacs, Chicago, Ill. Tool for opening and closing the links of chains. No. 1,106,439; Aug. 11; Gaz. vol. 205; p. 338.
- Connecticut Aircraft Company. (See Smith, Rexford M., assignor.)
- Connecticut Hook and Eye Company. (See Diefenbach, William C., assignor.)
- Connecticut Hook & Eye Company, The. (See Kleinert, Paul F., assignor.)
- Connecticut Telephone & Electric Company, The. (See Wilcox, Ernest C., assignor.)
- Connecticut Telephone & Electric Company, The. (See Wilcox and Lawton, assignors.)
- Connecticut Tool Company, The. (See Becker, Paul E., assignor.)
- Connecticut Turbine Manufacturing Company. (See Rearick, Charles B., assignor.)
- Connecticut Web and Buckle Company, The. (See Oppenheim and Cleary, assignors.)
- Connell, John H., Charleston, W. Va. Grubbing implement. No. 1,084,133; Jan. 13; Gaz. vol. 198; p. 321.
- Connell, Roger, Christchurch, New Zealand. Automatic inflator for pneumatic tires. No. 1,091,040; Mar. 24; Gaz. vol. 200; p. 934.
- Connolly, Benjamin E. (See Taylor and Connolly.)
- Connolly, James W., Methuen, Mass. Yarn-coiler. No. 1,121,480; Dec. 15; Gaz. vol. 209; p. 981.
- Connolly, John T., Denver, Colo. Automatic headlight-swinging means. No. 1,100,714; June 23; Gaz. vol. 203; p. 938.
- Conner, Carlton W., Toronto, Ontario, Canada. Machine for forming locks on metallic plates. No. 1,114,862; Oct. 27; Gaz. vol. 207; p. 994.
- Conner, Carlton W., assignor of one-half to W. Linton, Toronto, Ontario, Canada. Circular metal roof. No. 1,116,244; Nov. 3; Gaz. vol. 208; p. 265.
- Conner, Charles K., deceased, Adair, Ill.; L. Conner, administratrix. Corn-harvester. No. 1,083,388; Jan. 6; Gaz. vol. 198; p. 43.
- Conner, Charles M., Boyd, Minn. Neck-yoke lock. No. 1,100,700; June 16; Gaz. vol. 203; p. 877.
- Conner, Charles W., assignor to The One-piece Bifocal Lens Company, Indianapolis, Ind. Toric tool-forming machine. No. 1,121,326; Dec. 15; Gaz. vol. 209; p. 928.
- Conner, Charles W., and J. H. Pearson, assignors to One Piece Bifocal Lens Company, Indianapolis, Ind. Machine for making lens-grinding tools. No. 1,097,302; May 19; Gaz. vol. 202; p. 810.
- Conner, Elmer E., Roans Prairie, Tex. Fence-post. No. 1,122,367; Dec. 29; Gaz. vol. 209; p. 1363.
- Conner, Elmer R. (See Voelpel and Connor.)
- Conner, George F., Port Huron, Mich. Vending-machine. No. 1,089,906; Mar. 10; Gaz. vol. 200; p. 471.
- Connor, Joseph M. (See Voelpel and Connor.)

Alphabetical list of patentees—Continued.

- Conner, Lawrence H., Headrick, Okla. Baling-press. No. 1,093,255; Apr. 14; Gaz. vol. 201; p. 423.
- Conner, Leslie O., and G. R. Hale, Narrows, Va. Artificial leg. No. 1,104,413; July 21; Gaz. vol. 204; p. 847.
- Conner, Louis C., assignor to C. C. Bradford, Fort Worth, Tex. Explosive-engine. No. 1,119,347; Dec. 1; Gaz. vol. 209; p. 154.
- Conner, Louise, administratrix. (See Conner, Charles K.)
- Conner, Theodore M. (See Pearson and Conner.)
- Conner, Thomas J. (See Owen, Henry J., assignor.)
- Connerville Blower Company, The. (See Houghton, Carl R., assignor.)
- Connerville Blower Company, The. (See Wilkin, John T., assignor.)
- Connerton, Michael J., Danville, Ky. Switch-chair. No. 1,104,629; July 21; Gaz. vol. 204; p. 923.
- Connet, Frederick N., Providence, R. I. Indicating, integrating, and recording manometer. No. 1,083,991; Jan. 13; Gaz. vol. 198; p. 272.
- Connet, Frederick N., Providence, R. I. Water-measuring apparatus. No. 1,085,110; Jan. 27; Gaz. vol. 198; p. 712.
- Connet, Frederick N., Providence, R. I. Speed-changing device. No. 1,103,923; July 14; Gaz. vol. 204; p. 638.
- Connet, Frederick N., assignor to Builders Iron Foundry, Providence, R. I. Integrating and recording apparatus for meters. No. 1,102,723; July 7; Gaz. vol. 204; p. 174.
- Conniff, Philip. (See Gallagher, Peter F., assignor.)
- Connin, Peter, and J. McNall, Jersey City, N. J. Cooking utensil. No. 1,088,539; Feb. 24; Gaz. vol. 199; p. 1166.
- Connolly, John A., Jr., Brooklyn, N. Y. Metallic collapsible life-boat. No. 1,121,481; Dec. 15; Gaz. vol. 209; p. 982.
- Connolly, John W., New Bedford, Mass. Removing impurities from fibrous material. No. 1,119,069; Dec. 1; Gaz. vol. 209; p. 60.
- Connolly, Michael T., Highland Park, Mich. Locking device for valves. No. 1,099,280; June 9; Gaz. vol. 203; p. 355.
- Connor, Charles M., Boyd, Minn. Neck-yoke securer. No. 1,089,330; Mar. 3; Gaz. vol. 200; p. 223.
- Connor, George W., Bear Wallow, assignor of one-half to A. H. Sims, Shelby, and one-half to R. P. Robinson, Forest City, N. C. Tilling-machine. No. 1,102,979; July 7; Gaz. vol. 204; p. 261.
- Connor, M. W. (See Hillard, James M., assignor.)
- Connor, Patrick, Philadelphia, Pa. Ash-sifter. No. 1,090,454; Mar. 17; Gaz. vol. 200; p. 704.
- Connor, Robert E., Owensboro, Ky. Machine for trimming pipes. No. 1,120,134; Dec. 8; Gaz. vol. 209; p. 461.
- Connor, Roger L. (See Crout, Lewis B., assignor.)
- Connors, Patrick J., assignor of one-half to G. Kitch, Greenville, Pa. Safety device for water-gages. No. 1,101,255; June 23; Gaz. vol. 203; p. 1126.
- Connors, Patrick J., assignor of one-half to G. Kitch, Greenville, Pa. Safety device for water-gages. No. 1,107,902; Aug. 18; Gaz. vol. 205; p. 902.
- Conover, Harvey, Evanston, Ill., assignor to Thos. Cusack Company, Box. No. 1,103,489; July 14; Gaz. vol. 204; p. 486.
- Conover, Jacob B., Jersey City, N. J. Can-smoothing machine. No. 1,113,196; Oct. 13; Gaz. vol. 207; p. 314.
- Conover, Jacob B., and E. M. Peacock, Jersey City, N. J., assignors to Dairymen's Manufacturing Company. Milk-can. No. 1,087,640; Feb. 17; Gaz. vol. 199; p. 816.
- Conover, Jacob B., and E. M. Peacock, Jersey City, N. J., assignors to Dairymen's Manufacturing Company. Milk-can. No. 1,087,641; Feb. 17; Gaz. vol. 199; p. 816.
- Conover, James W., Houston, Tex. Safety device for locomotives. No. 1,110,899; Sept. 15; Gaz. vol. 206; p. 805.
- Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vapor electric device. No. 1,101,523; June 30; Gaz. vol. 203; p. 1269.
- Conrad, Frank, Swissvale, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. No. 1,106,368; Aug. 11; Gaz. vol. 205; p. 314.
- Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Current-rectifying apparatus. No. 1,112,265; Sept. 29; Gaz. vol. 206; p. 1356.
- Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Rectifier system. No. 1,112,266; Sept. 29; Gaz. vol. 206; p. 1357.
- Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of electrical distribution and regulation. No. 1,112,438; Oct. 6; Gaz. vol. 207; p. 8.
- Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical regulator. No. 1,122,693; Dec. 29; Gaz. vol. 209; p. 1478.
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution. No. 1,108,886; Sept. 1; Gaz. vol. 206; p. 7.
- Conrad, Gust F., assignor of one-half to O. D. Way, Rockford, Ill. Clamping means for feeding devices. No. 1,099,894; June 9; Gaz. vol. 203; p. 566.
- Conrad, Henry G., Chicago, Ill. Device for sharpening saws. No. 1,087,107; Feb. 17; Gaz. vol. 199; p. 627.
- Conrad, Hugh V., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Valve mechanism for air-compressors. No. 1,096,828; May 19; Gaz. vol. 202; p. 641.
- Conrad, John B., Nicolaus, Cal. Hat-holder. No. 1,083,805; Jan. 6; Gaz. vol. 198; p. 180.
- Conrad, Joseph R., Chicago, Ill., assignor, by mesne assignments, to U. S. Expansion Bolt Co., New York, N. Y. Expansion-bolt. No. 1,121,980; Dec. 22; Gaz. vol. 209; p. 1194.
- Conrad, Joshua C., Cement, Okla. Cotton-machine. No. 1,113,310; Oct. 13; Gaz. vol. 207; p. 306.
- Conrad, Joshua C., Cement, Okla. Cotton-machine. No. 1,113,311; Oct. 13; Gaz. vol. 207; p. 356.
- Conrad, Mark, Adrian, Mich., and W. G. Kelly, Winslow, Ariz. Crossing arrangement for block-signaling systems. No. 1,095,816; May 5; Gaz. vol. 202; p. 220.
- Conrad, Mark, Adrian, Mich., and W. G. Kelly, Winslow, Ariz. Automatic electric block-signaling system. No. 1,123,100; Dec. 29; Gaz. vol. 209; p. 1620.
- Conrad, Randolph H., Oakland, Cal. Electric switch. No. 1,094,534; Apr. 28; Gaz. vol. 201; p. 952.
- Conrad, Randolph H., Oakland, Cal. Electric switch. No. 1,116,566; Nov. 10; Gaz. vol. 208; p. 420.
- Conrader, Rudolph, Erie, Pa. Relief device for compressors. No. 1,089,397; Mar. 10; Gaz. vol. 200; p. 292.
- Conrader, Rudolph, Erie, Pa. Lap. No. 1,109,401; Sept. 1; Gaz. vol. 206; p. 194.
- Conrader, Rudolph, Erie, Pa. Pump-barrel. No. 1,112,677; Oct. 6; Gaz. vol. 207; p. 96.
- Conrader, Rudolph, Erie, Pa. Controlling device for fluid-actuated motors. No. 1,113,956; Oct. 20; Gaz. vol. 207; p. 621.
- Conradson, Conrad M., Madison, Wis., assignor, by mesne assignments, to Landis Tool Company, Waynesboro, Pa. Multiple-use machine. No. 1,121,714; Dec. 22; Gaz. vol. 209; p. 1100.
- Conrardy, Casper M., Willowdale, Kans. Feeding attachment for threshing-machines. No. 1,107,266; Aug. 18; Gaz. vol. 205; p. 679.
- Conrath, Frederick, assignor of one-half to G. H. Emerson and one-half to H. Yoerg, St. Paul, Minn. Coupling for superheaters. No. 1,086,807; Feb. 10; Gaz. vol. 199; p. 475.
- Conrow, Arthur, trustee. (See Stone, Wilbur M., assignor.)
- Consolidated Car Heating Company. (See Farmer, Thomas, Jr., assignor.)
- Consolidated Car-Heating Company. (See McElroy, James F., assignor.)
- Consolidated Liquid Gas Company. (See Snelling, Walter O., assignor.)
- Consolidated Machine Company. (See Healy, Mack J., assignor.)
- Consortium für Elektrochemische Industrie G. m. b. H. (See Baum and Mugdan, assignors.)
- Constable, Albert, trustee. (See Farrell, Thomas J., assignor.)
- Constable, James, *et al.* (See McCormack, John M., assignor.)
- Constantinescu, Gogu, Bloomsbury, London, England. Apparatus for obtaining combustible gas. No. 1,111,995; Sept. 29; Gaz. vol. 206; p. 1262.
- Constantinescu, Gogu, Bloomsbury, London, England. Method and means for obtaining gaseous fuel. No. 1,120,135; Dec. 8; Gaz. vol. 209; p. 461.
- Constructions Industrielles Dijonnaises. (See Thivolle, Joseph L., assignor.)
- Conti, Hannibal J. A., Pittsburgh, Pa. Guard for edged tools. No. 1,109,044; Sept. 1; Gaz. vol. 206; p. 67.
- Continental Can Company. (See Abrams and Warne, assignors.)
- Continental Can Company. (See Tallafiero, Thomas L., assignor.)
- Continental Can Company. (See Warne, Ivar F., assignor.)
- Continental & Commercial Trust & Savings Bank, trustee. (See Miehle, Robert, assignor.)
- Continental & Commercial Trust & Savings Bank, trustee. (See Miehle, Robert and R. F., Jr., assignors.)
- Continental Foundry and Machine Company. (See Pekat, Charles, assignor.)
- Continental Gas Compressing Corporation. (See Schill, Emil, assignor.)
- Continental Gin Company. (See Ligon, Harry W., assignor.)
- Continental Motion Picture Company. (See Smith, Magnus, assignor.)
- Contos, John, assignor of one-half to G. Varsamis, Grand Island, Nebr. Shoe-stretcher. No. 1,117,164; Nov. 17; Gaz. vol. 208; p. 669.
- Converse, Francis B., and F. A. Kress, Akron, Ohio, assignors, by mesne assignments, to The B. F. Goodrich Company, New York, N. Y. Machine for making tire-casings. No. 1,114,732; Oct. 27; Gaz. vol. 207; p. 947.

Alphabetical list of patentees—Continued.

- Converse, Newton B., Fresno, assignor to himself and M. Wright, trustee, San Francisco, Cal. Raisin-seeding machine. No. 1,095,553; May 5; Gaz. vol. 202; p. 131.
- Convery, Martin T., Philadelphia, Pa. Nut-lock. No. 1,093,316; Apr. 14; Gaz. vol. 201; p. 446.
- Convery, Martin T., Philadelphia, Pa. Hydrocarbon-burner. No. 1,117,165; Nov. 17; Gaz. vol. 208; p. 669.
- Convery, Martin T., Philadelphia, Pa. Shock-absorber. No. 1,122,694; Dec. 29; Gaz. vol. 209; p. 1478.
- Conway, Abner W. (See Greer, Charles L., assignor.)
- Conway, George M., Jersey City, N. J., assignor to The Torsion Balance Company, New York, N. Y. Weighing-scale. No. 1,116,567; Nov. 10; Gaz. vol. 208; p. 420.
- Conway, Patrick J., Kilmore, Victoria, Australia. Sharp-ening or dressing means for machine-knives and the like. No. 1,117,552; Nov. 17; Gaz. vol. 208; p. 806.
- Conway, Robert J. (See Morgan, Jack C., assignor.)
- Conwell, Walter L. (See Hipple and Conwell.)
- Conwell, Walter L., Montclair, N. J., assignor to Transportation Utilities Company, New York, N. Y. Friction device for holding window-curtains. No. 1,111,735; Sept. 29; Gaz. vol. 206; p. 1170.
- Conwell, Walter L., Montclair, and A. E. Ostrander, Ridge-wood, N. J., assignors to Transportation Utilities Com-pany, New York, N. Y. Railway-car door. No. 1,089,398; Mar. 10; Gaz. vol. 200; p. 293.
- Conwell, Walter L., Montclair, and A. E. Ostrander, Ridge-wood, N. J., assignors to Transportation Utilities Com-pany, New York, N. Y. Railway-car door. No. 1,119,778; Dec. 1; Gaz. vol. 209; p. 300.
- Conzelman, John E., Webster Groves, assignor to Unit Construction Company, St. Louis, Mo. Wall construc-tion. No. 1,114,584; Oct. 20; Gaz. vol. 207; p. 843.
- Coo, Thomas J., Toronto, Ontario, Canada, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,117,793; Nov. 17; Gaz. vol. 208; p. 893.
- Cooley, Herbert W., Toronto, Ontario, Canada. Portable life-buoy. No. 1,117,639; Nov. 17; Gaz. vol. 208; p. 837.
- Coogan, Hubert, Detroit, Mich. Automobile number-dis-playing device. No. 1,119,809; Dec. 8; Gaz. vol. 209; p. 348.
- Cook, Albert E. (See Van Tuyl, Thomas, assignor.)
- Cook, August D., Lawrenceburg, Ind. Cam-pump. No. 1,117,166; Nov. 17; Gaz. vol. 208; p. 669.
- Cook, Benjamin H., Anderson, Ind. Coupling device. No. 1,107,041; Aug. 11; Gaz. vol. 205; p. 550.
- Cook, Benjamin W., Midland, Mich. Toilet vessel. No. 1,109,824; Sept. 8; Gaz. vol. 206; p. 382.
- Cook, Chester W., Saugus, Mass. Alarm-clock. No. 1,120,030; Dec. 8; Gaz. vol. 209; p. 425.
- Cook, Clemens C., Midland, Cal. Sucker-rod coupling. No. 1,098,018; May 26; Gaz. vol. 202; p. 1105.
- Cook, Clemens C., Midland, Cal. Sucker-rod. No. 1,101,682; June 30; Gaz. vol. 203; p. 1324.
- Cook and Co. (See Vöster and Jungbauer, assignors.)
- Cook, David B., assignor to Acme Road Machinery Com-pany, Frankfort, N. Y. Scarifier. No. 1,115,900; Nov. 3; Gaz. vol. 208; p. 147.
- Cook, Edgar P., Granville, Ohio. Air-gun. No. 1,116,675; Nov. 10; Gaz. vol. 208; p. 461.
- Cook, Edward H., Wilkes-Barre, Pa., assignor to Interna-tional Wire Company. Machine for covering electric conductors. No. 1,093,539; Apr. 14; Gaz. vol. 201; p. 515.
- Cook, Egbert C., Chicago, Ill. Hammock-couch. No. 1,093,036; Apr. 14; Gaz. vol. 201; p. 347.
- Cook, Ernest J., *et al.* (See Weeks, Charlie E., assignor.)
- Cook, Everett B., Danvers, assignor to Fibre Products Company, Boston, Mass. Composition of matter and making same. No. 1,096,286; May 12; Gaz. vol. 202; p. 416.
- Cook, Everett J., Detroit, Mich., assignor of fifty-one one-hundredths to R. M. Corl, Toledo, Ohio. Valve for mo-tors. No. 1,107,903; Aug. 18; Gaz. vol. 205; p. 902.
- Cook, Frank B., Chicago, Ill. Electrical protective device. No. 1,086,028; Feb. 3; Gaz. vol. 199; p. 161.
- Cook, Frank B., assignor to F. B. Cook Company, Chicago, Ill. Fuse. No. 1,099,589; June 9; Gaz. vol. 203; p. 462.
- Cook, Frank J., assignor to The Kongsrv Electric Com-pany, Cleveland, Ohio. Electric heating and ventilating device. No. 1,091,733; Mar. 31; Gaz. vol. 200; p. 1212.
- Cook, Frank T., Miami, Okla. Drill attachment. No. 1,105,406; July 28; Gaz. vol. 204; p. 1244.
- Cook, Fred A. (See Gill, William A., assignor.)
- Cook, George, Sioux City, Iowa. Shock-absorber for per-cussion-operated tools. No. 1,093,830; Apr. 21; Gaz. vol. 201; p. 657.
- Cook, George, Allendale, assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Reinforced lug for brake-shoes. No. 1,109,112; Sept. 1; Gaz. vol. 206; p. 90.
- Cook, James A., East Bridgewater, Mass. Ice-cream cone and protector therefor. No. 1,094,427; Apr. 28; Gaz. vol. 201; p. 914.
- Cook, James L., Springfield, Ill. Valve mechanism for in-ternal-combustion engines. No. 1,115,901; Nov. 3; Gaz. vol. 208; p. 148.
- Cook, John C., Chicago, Ill. Gripper-finger mechanism for presses. No. 1,111,364; Sept. 22; Gaz. vol. 206; p. 1008.
- Cook, John J., Cherry Valley, N. Y. Cement post. No. 1,100,537; June 16; Gaz. vol. 203; p. 824.
- Cook, John J., Medford, assignor to Crosby Steam Gage & Valve Company, Boston, Mass. Safety-valve. No. 1,101,121; June 23; Gaz. vol. 203; p. 1080.
- Cook, John W., assignor of one-third to G. A. Waldeck, Miami, Fla. Rotary rock-cutter. No. 1,083,666; Jan. 6; Gaz. vol. 198; p. 135.
- Cook, Miller, Whitman, Mass. Holddown for lasting-ma-chines. No. 1,092,431; Apr. 7; Gaz. vol. 201; p. 106.
- Cook, Miller, Jr., Whitman, Mass., assignor, by mesne as-signments, to United Shoe Machinery Company, Paterson, N. J. Sole cutting and marking machine. No. 1,113,544; Oct. 13; Gaz. vol. 207; p. 439.
- Cook Railway Signal Company, The. (See Cook, William J., assignor.)
- Cook Railway Signal Company, The. (See Cook and Breuer, assignors.)
- Cook Railway Signal Company, The. (See Cook and Deutsch, assignors.)
- Cook, Stanley S. (See Parsons and Cook.)
- Cook, Stanley S. (See Parsons, Cook, and Chapman.)
- Cook, Thomas R., Pittsburgh, Pa. Grate. No. 1,108,887; Sept. 1; Gaz. vol. 206; p. 8.
- Cook, Thomas W. G. (See Ludlow and Cook.)
- Cook, Wallace L., and G. W. Rodormer, Chicago, Ill. Pro-jective device. No. 1,122,575; Dec. 29; Gaz. vol. 209; p. 1434.
- Cook, Walter H., New Orleans, La. Percolating coffee-pot. No. 1,112,598; Oct. 6; Gaz. vol. 207; p. 67.
- Cook, Walter T., Cleveland, Ohio. Fare-box. No. 1,105,620; Aug. 4; Gaz. vol. 205; p. 11.
- Cook, Walter T., Cleveland, Ohio. Fare-box. No. 1,105,621; Aug. 4; Gaz. vol. 205; p. 11.
- Cook, Willard J. (See Lindgren and Cook.)
- Cook, William, Binger, Okla. Cotton-baler. No. 1,090,281; Mar. 17; Gaz. vol. 200; p. 641.
- Cook, William A., Shinnston, W. Va. Insulator-clamp. No. 1,090,686; Mar. 17; Gaz. vol. 200; p. 781.
- Cook, William J., assignor to The Cook Railway Signal Company, Denver, Colo. Railway signaling apparatus. No. 1,090,455; Mar. 17; Gaz. vol. 200; p. 704.
- Cook, William J., Denver, Colo., and S. Deutsch, Chicago, Ill., assignors to The Cook Railway Signal Company, Denver, Colo. Railway signaling system. No. 1,084,610; Jan. 20; Gaz. vol. 198; p. 505.
- Cook, William J., and M. W. Breuer, assignors to The Cook Railway Signal Company, Denver, Colo. Electric bell. No. 1,109,969; Sept. 8; Gaz. vol. 206; p. 435.
- Cook, William J., and M. W. Breuer, assignors to The Cook Railway Signal Company, Denver, Colo. Elec-trical block-signaling mechanism. No. 1,111,296; Sept. 22; Gaz. vol. 206; p. 985.
- Cook, William M., Warren, Ohio. Game-board. No. 1,087,351; Feb. 17; Gaz. vol. 199; p. 711.
- Cook, William O. (See Bashaw, Cook, and Withrow.)
- Cook, William S., Atlantic City, Wyo. Water-elevator. No. 1,123,101; Dec. 29; Gaz. vol. 209; p. 1620.
- Cooke, Arthur W. and N. C. Rock Ferry, England. Cash-register, memorandum appliance, and the like. No. 1,113,756; Oct. 13; Gaz. vol. 207; p. 512.
- Cooke, Charles S. (See Cooke, William A., Jr., assignor.)
- Cooke, Dwight I., and E. Banning, assignors to H. F. Keegan Company, Chicago, Ill. Handhold for passen-gers. No. 1,090,814; Mar. 17; Gaz. vol. 200; p. 823.
- Cooke, Eugene B., and C. O. Lewis, New Philadelphia, Ohio. Advertising waste-paper box. No. 1,108,066; Aug. 18; Gaz. vol. 205; p. 960.
- Cooke, Joe R., and J. T. Cooper, Alvarado, Tex. Irriga-tion-pipe. No. 1,114,967; Oct. 27; Gaz. vol. 207; p. 1031.
- Cooke, Lytle O., Lake City, Minn. Telescopic pole. No. 1,109,513; Sept. 1; Gaz. vol. 206; p. 230.
- Cooke, Nicholas C. (See Cooke, Arthur W. and N. C.)
- Cooke, Samuel B. (See Crouch and Cooke.)
- Cooke, Thomas S. (See Rogers and Cooke.)
- Cooke, William A., Jr., New York, N. Y. Letter-file or the like. No. 1,107,657; Aug. 18; Gaz. vol. 205; p. 819.
- Cooke, William A., Jr., New York, assignor to C. S. Cooke, Brooklyn, N. Y. Binder. No. 1,107,658; Aug. 18; Gaz. vol. 205; p. 819.
- Cookingham, Herman V., Rensselaer, and G. O. Price, Al-bany, N. Y. Car-door-sealing device. No. 1,120,447; Dec. 8; Gaz. vol. 209; p. 573.
- Cookson, Charles L., Kansas City, Mo. Valve mechanism for gas-engines. No. 1,105,125; July 28; Gaz. vol. 204; p. 1142.
- Cookson, Charles L., Kansas City, Mo. Explosive-en-gine. No. 1,110,612; Sept. 15; Gaz. vol. 206; p. 704.
- Cooley, Augusta H., administrator. (See Cooley, Wil-liam H.)
- Cooley, Charles H., Wichita, Kans. Amusement device. No. 1,108,708; Aug. 25; Gaz. vol. 205; p. 1230.
- Cooley, Franklin S., Brookline, Mass. Cigar and making same. No. 1,104,779; July 28; Gaz. vol. 204; p. 1024.
- Cooley, Fred W., Minneapolis, Minn. Reinforced-concrete bin structure. No. 1,098,559; June 2; Gaz. vol. 203; p. 72.

Alphabetical list of patentees—Continued.

- Cooley, Henry B., New Britain, Conn., assignor to The American Paper Goods Company, Montclair, N. J. Folding-machine. No. 1,083,921; Jan. 13; Gaz. vol. 198; p. 246.
- Cooley, Henry B., New Britain, assignor to The American Paper Goods Company, Kensington, Conn. Feeding and creasing device. No. 1,107,194; Aug. 11; Gaz. vol. 205; p. 605.
- Cooley, Henry B., New Britain, Conn., assignor to The American Paper Goods Company, Montclair, N. J. Drinking-cup. No. 1,116,677; Nov. 10; Gaz. vol. 208; p. 461.
- Cooley, Henry B., and W. S. Bacon, New Britain, Conn., assignors to The American Paper Goods Company, Montclair, N. J. Drinking-cup. No. 1,116,676; Nov. 10; Gaz. vol. 208; p. 461.
- Cooley, Jake H. (See Cooley, John R. and J. H.)
- Cooley, John F., New York, N. Y. Aviation apparatus. No. 1,084,198; Jan. 13; Gaz. vol. 198; p. 343.
- Cooley, John M., Fayetteville, Ark. Fly-trap. No. 1,102,141; June 30; Gaz. vol. 203; p. 1486.
- Cooley, John R. and J. H., Clarksville, Tenn. Mop. No. 1,111,950; Sept. 29; Gaz. vol. 206; p. 1248.
- Cooley, Robert L., Milwaukee, Wis. Parallel-liner. No. 1,093,606; Apr. 21; Gaz. vol. 201; p. 580.
- Cooley, Robert L., Milwaukee, Wis., assignor, by mesne assignments, to Richmond Radiator Company, New York, N. Y. Pneumatic cleaning-tool. No. 1,102,142; June 30; Gaz. vol. 203; p. 1486.
- Cooley, William H., deceased, Brockport, N. Y.; A. H. Cooley, administrator. Paper box. No. 1,086,894; Feb. 10; Gaz. vol. 199; p. 504.
- Cooley, William H., deceased, Brockport, N. Y.; A. H. Cooley, administratrix. Dump wagon or car. No. 1,099,341; June 9; Gaz. vol. 203; p. 377.
- Coolidge, Loren Z., Aberdeen, Wash. Pocket. No. 1,092,244; Apr. 7; Gaz. vol. 201; p. 41.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Electrical contact. No. 1,089,907; Mar. 10; Gaz. vol. 200; p. 471.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Electric furnace. No. 1,096,414; May 12; Gaz. vol. 202; p. 459.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Joining unlike metals. No. 1,101,062; June 23; Gaz. vol. 203; p. 1061.
- Coombs, Abram L., Philadelphia, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Tip-measurer for pulling-over machines. No. 1,104,878; July 28; Gaz. vol. 204; p. 1058.
- Coombs, Charles L. (See Goble, John S., assignor.)
- Coon, Arthur B., Little Rock, Ark., and A. Van de Sandt, Tacoma, Wash. Building construction. No. 1,085,544; Jan. 27; Gaz. vol. 198; p. 859.
- Coon, Byron H. (See Myers, Sidney A., assignor.)
- Coon, Charles B., Evanston, Ill. Combined traction-wheel and track. No. 1,117,640; Nov. 17; Gaz. vol. 208; p. 837.
- Coon, Frank H., Minneapolis, Minn. Clutch-lock for automobiles. No. 1,097,081; May 19; Gaz. vol. 202; p. 732.
- Coon, Ray E., Yates, N. Y. Wall-bracket. No. 1,090,687; Mar. 17; Gaz. vol. 200; p. 782.
- Cooney, Hugh, and O. B. Wiltzie, Marion, Ind. Tire. No. 1,085,545; Jan. 27; Gaz. vol. 198; p. 860.
- Coonradt, A. F., *et al.* (See Duhrkopf, Frank, assignor.)
- Coonradt, C. E., *et al.* (See Duhrkopf, Frank, assignor.)
- Coonradt, Lester I., Chicago, Ill. Automatically-operating weather-strip. No. 1,111,737; Sept. 29; Gaz. vol. 206; p. 1170.
- Coons, Arthur M., assignor to Scovill Manufacturing Company, Waterbury, Conn. Draft-deflector for lamp-burners. No. 1,087,280; Feb. 17; Gaz. vol. 199; p. 688.
- Coons, Augusta M. (See Coons, Burton C., assignor.)
- Coons, Burton C., assignor to A. M. Coons, Rochester, N. Y. Fruit or vegetable feeding machine. No. 1,086,753; Feb. 10; Gaz. vol. 199; p. 455.
- Coons, Verne W. (See Jones, Charles E., assignor.)
- Cooper, Albert N., Albuquerque, N. Mex. Centrifugal pump. No. 1,110,421; Sept. 15; Gaz. vol. 206; p. 636.
- Cooper, Alexander J., *et al.* (See Burke, William W., assignor.)
- Cooper, Alice G., San Diego, Cal. Sewing-machine head. No. 1,087,216; Feb. 17; Gaz. vol. 199; p. 665.
- Cooper, Arthur P., and M. C. Peters, Omaha, Nebr. Feeding mechanism for reducing-mills. No. 1,099,537; June 9; Gaz. vol. 203; p. 444.
- Cooper Automatic Car Door Co., The. (See Kinnard, Chester E., assignor.)
- Cooper, Benson P., Ithaca, N. Y. Wheel. No. 1,103,398; July 14; Gaz. vol. 204; p. 454.
- Cooper, Benson P., Ithaca, N. Y. Wheel. No. 1,103,399; July 14; Gaz. vol. 204; p. 454.
- Cooper, Charles G., assignor of one-half to S. L. Kelly, Yuma, Ariz. Beet-harvester. No. 1,088,260; Feb. 24; Gaz. vol. 199; p. 1074.
- Cooper, Charles J., assignor of one-half to H. W. Cooper Saddlery Hardware Mfg. Company, Moline, Ill. Harness loop or billet. No. 1,111,880; Sept. 29; Gaz. vol. 206; p. 1226.
- Cooper, Clarence R., Fort Dodge, Iowa. Automobile-tire. No. 1,117,977; Nov. 24; Gaz. vol. 208; p. 995.
- Cooper, Daniel M. (See Hagen and Cooper.)
- Cooper, Daniel M., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Garment-hanger. No. 1,087,159; Feb. 17; Gaz. vol. 199; p. 644.
- Cooper, Daniel M., Rochester, N. Y., assignor to American Laundry Machinery Company, Cincinnati, Ohio. Self-lubricating bearing. No. 1,094,535; Apr. 28; Gaz. vol. 201; p. 952.
- Cooper, Daniel M., Rochester, N. Y., assignor to American Laundry Machinery Company, Cincinnati, Ohio. Cylinder for washing-machines. No. 1,096,780; May 12; Gaz. vol. 202; p. 581.
- Cooper, Daniel M., Rochester, N. Y., assignor, by mesne assignments, to American Laundry Machinery Company, Cincinnati, Ohio. Stop mechanism for machinery. No. 1,102,880; July 7; Gaz. vol. 204; p. 229.
- Cooper, Daniel M., Rochester, N. Y., assignor, by mesne assignments, to American Laundry Machinery Company, Cincinnati, Ohio. Stop mechanism for machinery. No. 1,103,867; July 14; Gaz. vol. 204; p. 619.
- Cooper, Edward W., Coventry, England. Mechanism for twisting and covering cord or other materials. No. 1,100,538; June 16; Gaz. vol. 203; p. 825.
- Cooper, Edwin H., Los Angeles, Cal. Card-holder. No. 1,088,968; Mar. 3; Gaz. vol. 200; p. 102.
- Cooper, Ellis W., Bloomfield, N. J., assignor to R. Hoe and Co., New York, N. Y. Folding delivery. No. 1,113,414; Oct. 13; Gaz. vol. 207; p. 393.
- Cooper, Erwin C., assignor to Packard Motor Car Company, Detroit, Mich. Lubricating system. No. 1,096,491; May 12; Gaz. vol. 202; p. 485.
- Cooper, Frederick, Roslindale, Mass. Portable house. No. 1,086,650; Feb. 10; Gaz. vol. 199; p. 419.
- Cooper, George, Birmingham, England. Coating a metallic body. No. 1,121,169; Dec. 15; Gaz. vol. 209; p. 875.
- Cooper, George L. (See Denehie, William A., assignor.)
- Cooper, George W., Union City, Okla. Hand-pump. No. 1,101,410; June 23; Gaz. vol. 203; p. 1178.
- Cooper, George W., New York, N. Y. Adjustable neck-wear. No. 1,110,187; Sept. 8; Gaz. vol. 206; p. 514.
- Cooper, Harold E. (See Bates and Cooper.)
- Cooper, Harold E., and J. Sayer, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fasteners. No. 1,119,785; Dec. 1; Gaz. vol. 209; p. 302.
- Cooper, Harry M., Oak Park, assignor to C. Westen, Chicago, Ill. Valve. No. 1,122,480; Dec. 29; Gaz. vol. 209; p. 1401.
- Cooper, Henry S., *et al.* (See Cooper, Robert S., assignor.)
- Cooper Hewitt Electric Co. (See Baker, James R., assignor.)
- Cooper Hewitt Electric Co. (See Bastian, Charles O., assignor.)
- Cooper Hewitt Electric Company. (See Flichtner, Stanwood E., assignor.)
- Cooper Hewitt Electric Company. (See Hewitt, Peter C., assignor.)
- Cooper Hewitt Electric Company. (See Keller, Frederick H. von, assignor.)
- Cooper Hewitt Electric Company. (See Keyes, Frederick G., assignor.)
- Cooper Hewitt Electric Company. (See Pole, Joseph C., assignor.)
- Cooper Hewitt Electric Company. (See Recklinghausen, Max von, assignor.)
- Cooper Hewitt Electric Company. (See Thomas, Percy H., assignor.)
- Cooper, James J., assignor to American Car and Foundry Company, St. Louis, Mo. Railway-car end construction. No. 1,109,624; Sept. 1; Gaz. vol. 206; p. 270.
- Cooper, James W. (See Johnston and Cooper.)
- Cooper, Jay, Wilkes-Barre, Pa. Music-rack. No. 1,101,010; June 23; Gaz. vol. 203; p. 1042.
- Cooper, John A. (See Van Buskirk and Cooper.)
- Cooper, John D., Bridgeport, Conn. Flying-boat or like craft. No. 1,084,401; Jan. 13; Gaz. vol. 198; p. 408.
- Cooper, John J., London, England, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,113,103; Oct. 6; Gaz. vol. 207; p. 238.
- Cooper, John J., London, England, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,122,865; Dec. 29; Gaz. vol. 209; p. 1538.
- Cooper, John T. (See Cooke and Cooper.)
- Cooper, Joseph T., Lebanon, Ky. Combined furnace and cooking-stove. No. 1,084,538; Jan. 13; Gaz. vol. 198; p. 451.
- Cooper, Kenneth F., Buffalo, N. Y., assignor to American Cyanamid Company, Nashville, Tenn. Cyclical process of fixing atmospheric nitrogen. No. 1,100,539; June 16; Gaz. vol. 203; p. 825.
- Cooper, Linn F., Albany, N. Y. Rope-climbing device. No. 1,115,401; Oct. 27; Gaz. vol. 207; p. 1182.
- Cooper, Lovell W., Schenectady, N. Y. Automatic stop-valve. No. 1,107,760; Aug. 18; Gaz. vol. 205; p. 855.
- Cooper, Lyman M., Detroit, assignor of one-half to A. T. Birk, Owosso, Mich. Wheel. No. 1,119,403; Dec. 1; Gaz. vol. 209; p. 174.

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- Cooper, Maxey C., assignor of one-half to O. K. Erhart, Selma, Ala. Fountain polishing-brush. No. 1,096,603; May 12; Gaz. vol. 202; p. 522.
- Cooper, Oscar W., Tuxedo, N. Y. Window curtain and shade bracket. No. 1,110,111; Sept. 8; Gaz. vol. 206; p. 487.
- Cooper, Raymond G., Sugar Loaf, assignor of one-half to C. C. Tegethoff, New York, N. Y. Combined shade and curtain holder. No. 1,095,311; May 5; Gaz. vol. 202; p. 48.
- Cooper Road Machine Co. (See Blevins, Samuel W., assignor.)
- Cooper, Robert, Detroit, Mich. Wiggler. No. 1,109,625; Sept. 1; Gaz. vol. 206; p. 270.
- Cooper, Robert E. (See Hughes, George L., assignor.)
- Cooper, Robert S., assignor to H. S. Cooper and H. G. Johnson, Kenosha, Wis. Underwear. No. 1,106,133; Aug. 4; Gaz. vol. 205; p. 193.
- Cooper, Samuel M., McKeesport, assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Making planished sheets. No. 1,085,586; Jan. 27; Gaz. vol. 198; p. 874.
- Cooper, Thomas, Kidderminster, England. Chenille-cutting machine. No. 1,102,143; June 30; Gaz. vol. 203; p. 1487.
- Cooper, Thomas W., Caldwell, N. J. Tire-shoe. No. 1,105,880; Aug. 4; Gaz. vol. 205; p. 102.
- Cooper, Warren L., Pueblo, Colo. Gasolene or oil vending machine. No. 1,093,687; Apr. 21; Gaz. vol. 201; p. 610.
- Cooper, William, Wilkinsburg, Pa. Refrigerating apparatus. No. 1,085,111; Jan. 27; Gaz. vol. 198; p. 713.
- Cooper, William, Denver, Colo. Preparing ore-dust for smelting. No. 1,103,400; July 14; Gaz. vol. 204; p. 455.
- Cooper, William, Denver, Colo. Ammunition. No. 1,103,740; July 14; Gaz. vol. 204; p. 576.
- Cooper, William, Denver, Colo. Moving material. No. 1,106,863; Aug. 11; Gaz. vol. 205; p. 491.
- Cooper, William, Denver, Colo. Road-making machinery. No. 1,117,333; Nov. 17; Gaz. vol. 208; p. 731.
- Cooper, William F., assignor to The A. B. Chase Company, Norwalk, Ohio. Tracker-box for mechanical musical instruments. No. 1,095,554; May 5; Gaz. vol. 202; p. 131.
- Cooper, William W., Fortyfort, Pa. Coal-washing machine. No. 1,121,715; Dec. 22; Gaz. vol. 209; p. 1100.
- Cooperage Seal Company. (See Douglas, Irving G., assignor.)
- Cooperider, Albert F., Delaware, Ohio. Transmission-gearing for motor-vehicles. No. 1,118,743; Nov. 24; Gaz. vol. 208; p. 1263.
- Coover, Amos J., Seattle, Wash. Stump-burner. No. 1,104,780; July 28; Gaz. vol. 204; p. 1024.
- Copass, James H., and R. B. Perkins, Altus, Okla. Revolving egg-support for incubators. No. 1,115,285; Oct. 27; Gaz. vol. 207; p. 1143.
- Cope, Joseph H., Windsor, Colo. Power-lift sweep-rake. No. 1,117,334; Nov. 17; Gaz. vol. 208; p. 731.
- Cope, Sidney H., assignor to The Warland Dual Rim Company, Limited, Birmingham, England. Road-vehicle wheel. No. 1,088,540; Feb. 24; Gaz. vol. 199; p. 1166.
- Cope, William A., Mullinville, Kans. Window and door latch. No. 1,113,197; Oct. 13; Gaz. vol. 207; p. 315.
- Copeland, Elisha S., Bethune, S. C. Land-marker. No. 1,104,630; July 21; Gaz. vol. 204; p. 923.
- Copeland, George H., Rich Hill, Mo. Walking-beam for drilling apparatus. No. 1,122,255; Dec. 29; Gaz. vol. 209; p. 1327.
- Copeland, George W., Seattle, Tex. Cotton-chopper. No. 1,083,806; Jan. 6; Gaz. vol. 198; p. 180.
- Copeland, Walter G., Waco, Tex. Fence-post. No. 1,092,432; Apr. 7; Gaz. vol. 201; p. 107.
- Copeman Electric Stove Company. (See Copeman, Hazel B., assignor.)
- Copeman Electric Stove Company. (See Copeman, Lloyd G., assignor.)
- Copeman Electric Stove Company. (See Wiltsie, Spencer A., assignor.)
- Copeman, Hazel B., assignor to Copeman Electric Stove Company, Flint, Mich. Toast-turner. No. 1,108,552; Aug. 25; Gaz. vol. 205; p. 1178.
- Copeman, Lloyd G., Flint, Mich. Safety device for electrically-heated cooking apparatus. No. 1,113,154; Oct. 6; Gaz. vol. 207; p. 256.
- Copeman, Lloyd G., assignor to Copeman Electric Stove Company, Flint, Mich. Time-operating mechanism for electric switches. No. 1,104,781; July 28; Gaz. vol. 204; p. 1024.
- Copeman, Lloyd G., assignor to Copeman Electric Stove Company, Flint, Mich. Toast-turner. No. 1,108,553; Aug. 25; Gaz. vol. 205; p. 1179.
- Copeman, Lloyd G., assignor to Copeman Electric Stove Company, Flint, Mich. Toaster. No. 1,108,554; Aug. 25; Gaz. vol. 205; p. 1179.
- Copenhaver, Stephen A. (See McCoy and Copenhaver.)
- Copenhaver, Bert O., Hutchinson, Kans. Fly-catcher. No. 1,099,342; June 9; Gaz. vol. 203; p. 378.
- Copersito, Anthony F., Brooklyn, assignor of one-half to J. McMahon, New York, N. Y. Visual-signal device for vehicles. No. 1,111,738; Sept. 29; Gaz. vol. 206; p. 1171.
- Copithorn, Walter E., Natick, Mass. Demountable rim for pneumatic tires. No. 1,100,472; June 16; Gaz. vol. 203; p. 803.
- Copithorn, Walter E., Natick, Mass. Pneumatic tire. No. 1,121,070; Dec. 15; Gaz. vol. 209; p. 840.
- Copland, Alexander W., Detroit, Mich. Frying-machine. No. 1,106,926; Aug. 11; Gaz. vol. 205; p. 513.
- Copley, Richard H., Seattle, Wash. Oil-burner. No. 1,114,712; Oct. 20; Gaz. vol. 207; p. 887.
- Coplon, Joseph, Buffalo, N. Y. Speed indicating and signaling device. No. 1,117,335; Nov. 17; Gaz. vol. 208; p. 731.
- Copp, Benjamin F., Silver City, N. Mex. Hygienic dish for tooth powder or paste. No. 1,111,136; Sept. 22; Gaz. vol. 206; p. 930.
- Coppage, Benjamin D. (See Mellinger, Harrigan, Coppage, McDowell, Vedder, and Strobel.)
- Coppedge, George A., Sanford, N. C. Dry closet. No. 1,119,574; Dec. 1; Gaz. vol. 209; p. 233.
- Copper-Die Horseshoe Company. (See Miller, William B., assignor.)
- Coppet, Frédéric de, Lausanne, Switzerland. Stamp-canceling machine. No. 1,092,561; Apr. 7; Gaz. vol. 201; p. 150.
- Copping, James L. (See Trautmann and Copping.)
- Coppock, Lambert W., Grand Rapids, Mich. Automobile construction. No. 1,111,525; Sept. 22; Gaz. vol. 206; p. 1063.
- Coppock, Lambert W., Grand Rapids, Mich. Cooling device for internal-combustion engines. No. 1,111,526; Sept. 22; Gaz. vol. 206; p. 1063.
- Copps, Peter M., Haileybury, Ontario, Canada. Blast-ing-cartridge. No. 1,117,794; Nov. 17; Gaz. vol. 208; p. 893.
- Corbett, James G., Beaver Falls, Pa. Fountain-brush. No. 1,093,114; Apr. 14; Gaz. vol. 201; p. 375.
- Corbett, Michael A. (See Bartholomew, Thomas, assignor.)
- Corbett, Wesley J., Detroit, Mich. Shadowgraph-machine. No. 1,099,023; June 2; Gaz. vol. 203; p. 224.
- Corbin, Horace, assignor of one-half to J. C. Halm, Jr., Toledo, Ohio. Aeroplane. No. 1,104,347; July 21; Gaz. vol. 204; p. 825.
- Corbin, Parker T., assignor of one-half to A. J. Hoffert, Bradford, Ohio. Rail-joint. No. 1,086,895; Feb. 10; Gaz. vol. 199; p. 505.
- Corbo, Giuseppe, Waterbury, Conn. Table. No. 1,085,323; Jan. 27; Gaz. vol. 198; p. 788.
- Corby, William S., and J. L. Parsons, Jr., Washington, D. C. Baking-oven. No. 1,107,195; Aug. 11; Gaz. vol. 205; p. 606.
- Corcoran, Charles A., Brooklyn, N. Y. Mothproof bag and the like. No. 1,093,769; Apr. 21; Gaz. vol. 201; p. 635.
- Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,100,669; June 16; Gaz. vol. 203; p. 867.
- Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,103,900; July 14; Gaz. vol. 204; p. 630.
- Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,105,184; July 28; Gaz. vol. 204; p. 1163.
- Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,122,232; Dec. 22; Gaz. vol. 209; p. 1279.
- Corcoran, James J., Adrian, Mich. Tire-protector. No. 1,121,071; Dec. 15; Gaz. vol. 209; p. 840.
- Corcoran, John, assignor of one-half to J. Laun, Chicago, Ill. Corn-planter. No. 1,093,978; Apr. 21; Gaz. vol. 201; p. 505.
- Corcoran, William, Seattle, Wash. Railway-tie plate. No. 1,097,790; May 26; Gaz. vol. 202; p. 1024.
- Corcoran, William H. (See Young, Earl R., assignor.)
- Corcos, Joseph, Brooklyn, N. Y. Fender or guard for automobiles. No. 1,100,172; June 16; Gaz. vol. 203; p. 700.
- Cordell, Henry, and J. G. Tawse, Chicago, Ill. Emergency-valve and circuit-breaker trip. No. 1,120,031; Dec. 8; Gaz. vol. 209; p. 425.
- Cordes, August W., New York, N. Y. Expansion and contraction joint. No. 1,122,866; Dec. 29; Gaz. vol. 209; p. 1539.
- Cordes, Charles, Brooklyn, N. Y. Rake-cleaner. No. 1,092,024; Mar. 31; Gaz. vol. 200; p. 1311.
- Cordier, Louis, Newark, N. J. Micrometer-head. No. 1,105,549; July 28; Gaz. vol. 204; p. 1293.
- Cordle, Hamner J., Littleton, N. C. Metal bedside with reversible lock for wooden beds. No. 1,094,980; Apr. 28; Gaz. vol. 201; p. 1111.
- Cordley, Henry G., Glen Ridge, N. J., assignor to said Henry G. Cordley, trustee. Combined liquid cooler and carbonator. No. 1,087,436; Feb. 17; Gaz. vol. 199; p. 743.
- Cordova, Pablo H., Habana, Cuba. Protector. No. 1,097,538; May 19; Gaz. vol. 202; p. 889.
- Cordray, James M., Los Angeles, Cal. Waterproof blast-cap-charge protector. No. 1,091,878; Mar. 31; Gaz. vol. 200; p. 1265.
- Cordray, James M., Los Angeles, Cal. Rain-maker. No. 1,103,490; July 14; Gaz. vol. 204; p. 486.

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- Cordt, Hugo, Oldenburg, Germany. Regulating device for the keys of calculating-machines. No. 1,119,404; Dec. 1; Gaz. vol. 209; p. 175.
- Core, Elizabeth H. (See Core, James H., assignor.)
- Core, James H., assignor of one-half to E. H. Core, Nashville, Tenn. Speed measuring and controlling device. No. 1,110,900; Sept. 15; Gaz. vol. 206; p. 806.
- Core, William W., Newark, N. J., assignor to The Patent Appliance Company, New York, N. Y. Door-operating device. No. 1,098,430; June 2; Gaz. vol. 203; p. 26.
- Corell, Leon O., assignor of one-third to H. D. Swayze, Kalamazoo, Mich. Tool. No. 1,117,167; Nov. 17; Gaz. vol. 208; p. 670.
- Corey, Charles W., Malden, Mass. Liquid-server. No. 1,085,404; Jan. 27; Gaz. vol. 198; p. 815.
- Corey, David A., and H. J. Grosvenor, assignors to S. F. Bowser & Co., Inc., Fort Wayne, Ind. Combination pump and tank. No. 1,109,663; Sept. 8; Gaz. vol. 206; p. 324.
- Corey, Harold M., Somerton, Ariz. Hame. No. 1,087,642; Feb. 17; Gaz. vol. 199; p. 817.
- Corey, Matt M. (See Folger, Comstock, Corey, and Boulthouse.)
- Corey, Matt M., and W. Boulthouse, assignors of one-third to A. M. Comstock, Muskegon, Mich. Button-attaching machine. No. 1,121,613; Dec. 22; Gaz. vol. 209; p. 1062.
- Corff, Edward, Chicago, Ill. Gage. No. 1,103,265; July 14; Gaz. vol. 204; p. 411.
- Corgiat, John, Gillespie, assignor of one-fourth to F. Ronchetti, Benid, Ill. Rail. No. 1,099,428; June 9; Gaz. vol. 203; p. 407.
- Corin, François, Sclaigneaux, Belgium. Protecting-screen for furnaces. No. 1,087,529; Feb. 17; Gaz. vol. 199; p. 775.
- Cork Extractor Corporation of America. (See Davis and Davison, assignors.)
- Cork Insert Company, The. (See Blevney, John C., assignor.)
- Corkery, Edmund J., Grand Rapids, Mich. Cork-puller. No. 1,093,768; Apr. 21; Gaz. vol. 201; p. 635.
- Corkery, John, Rockdale, New South Wales, Australia. Automatic coupling. No. 1,102,245; July 7; Gaz. vol. 204; p. 8.
- Corkhill, Charles, Reading, Pa. Binder-bracket for scaffolding, &c. No. 1,088,324; Feb. 24; Gaz. vol. 199; p. 1096.
- Corkhill, Charles S., Ontario, Cal. Cultivator. No. 1,103,350; July 14; Gaz. vol. 204; p. 440.
- Corl, Robert M. (See Cook, Everett J., assignor.)
- Corliss, James W., and J. Wharmby, assignors of one-half to J. W. Corliss, Lakeland, and one-half to C. L. King, St. Petersburg, Fla. Piano damp-absorber. No. 1,093,979; Apr. 21; Gaz. vol. 201; p. 706.
- Cornier, Reuben S., New Bedford, Mass. Picture-hanger. No. 1,103,491; July 14; Gaz. vol. 204; p. 486.
- Corn, John W., Tyler, Tex. Filter. No. 1,119,575; Dec. 1; Gaz. vol. 209; p. 233.
- Corn Products Refining Company. (See Bauer, Louis P., assignor.)
- Cornacchia, Giovanni, Brooklyn, N. Y. Barber's wash-basin. No. 1,113,198; Oct. 13; Gaz. vol. 207; p. 315.
- Cornaggia, Victor J., Santa Clara, Cal. Automatic flush-tank regulator. No. 1,119,137; Dec. 1; Gaz. vol. 209; p. 83.
- Cornand, Auguste, and H. Van de Cruys, Brussels, Belgium. Soldering and welding materials. No. 1,092,340; Apr. 7; Gaz. vol. 201; p. 75.
- Cornells, Willem, Utrecht, Netherlands. Log and stream indicator. No. 1,095,141; Apr. 28; Gaz. vol. 201; p. 1164.
- Cornelius, Benjamin F., Lindsay, Okla. Railway cross-tie. No. 1,097,082; May 19; Gaz. vol. 202; p. 733.
- Cornelius, Benjamin L. (See Smith, Harold T., assignor.)
- Cornelius, Benjamin L., Hutchinson, Kans. Oil-burner. No. 1,120,791; Dec. 15; Gaz. vol. 209; p. 741.
- Cornelius, Benjamin L., Hutchinson, Kans. Railway-tie. No. 1,123,102; Dec. 29; Gaz. vol. 209; p. 1621.
- Cornelius, Henry D., Indianapolis, Ind. Cement-step form. No. 1,106,627; Aug. 11; Gaz. vol. 205; p. 409.
- Cornelius, John W., St. Louis, Mo. Feed-regulator. No. 1,086,896; Feb. 10; Gaz. vol. 199; p. 505.
- Cornelius, Louis A., Grand Rapids, Mich. Pipe-hanger. No. 1,086,442; Feb. 10; Gaz. vol. 199; p. 346.
- Cornelius, Louis A., Grand Rapids, Mich. Plumbing waste-pipe. No. 1,096,225; May 12; Gaz. vol. 202; p. 393.
- Cornelius, Louis A., Grand Rapids, Mich. Holder for tumblers or drinking-cups. No. 1,098,483; June 2; Gaz. vol. 203; p. 44.
- Cornelius, Louis A., Grand Rapids, Mich. Rotary handle. No. 1,100,286; June 16; Gaz. vol. 203; p. 739.
- Cornelius, Louis A., Grand Rapids, Mich. Faucet-guard. No. 1,105,258; July 28; Gaz. vol. 204; p. 1190.
- Cornell, Charles A., Hollywood, and S. E. McKee, Los Angeles, Cal. Concrete-pump. No. 1,093,916; Apr. 21; Gaz. vol. 201; p. 686.
- Cornell, Charles H. (See Bivens and Hunter, assignors.)
- Cornell Economizer Company. (See Townsend, David, assignor.)
- Cornell, Evan W., assignor to Page Woven Wire Fence Company, Adrian, Mich. Fence-machine. No. 1,105,622; Aug. 4; Gaz. vol. 205; p. 12.
- Cornell, Joseph D., *et al.* (See Johnstone, Samuel, assignor.)
- Cornell, Thomas G. (See Carbis, Henry J. and S. H., assignors.)
- Cornely, Robert, Paris, France. Hemstitch sewing and embroidering machine. No. 1,090,136; Mar. 17; Gaz. vol. 200; p. 590.
- Cornine, Marshall, New York, N. Y. Meter. No. 1,108,140; Aug. 25; Gaz. vol. 205; p. 1034.
- Cornine, Marshall, Mount Vernon, N. Y. Indicating device. No. 1,118,186; Nov. 24; Gaz. vol. 208; p. 1067.
- Corning Glass Works. (See Churchill, William, assignor.)
- Corning Glass Works. (See Woods, William J., assignor.)
- Cornish, Joseph H., Barham, New South Wales, Australia. Milk-releasing means in vacuum-operated milking-machines. No. 1,116,021; Nov. 3; Gaz. vol. 208; p. 190.
- Cornwall, George R., Rye, N. Y., assignor to American Planograph Company. Printing. No. 1,086,897; Feb. 10; Gaz. vol. 199; p. 506.
- Cornwall, George R., Rye, N. Y., assignor to American Planograph Company. Printing. No. 1,093,831; Apr. 21; Gaz. vol. 201; p. 657.
- Cornwall, George R., Rye, N. Y., assignor to American Planograph Company. Printing-press. No. 1,105,964; Aug. 4; Gaz. vol. 205; p. 132.
- Cornwall, George R., Rye, N. Y., assignor to American Planograph Company. Printing-press. No. 1,105,965; Aug. 4; Gaz. vol. 205; p. 132.
- Cornwall, George R., Rye, N. Y., assignor to American Planograph Company. Printing-press. No. 1,105,966; Aug. 4; Gaz. vol. 205; p. 133.
- Cornwall, George R., Rye, N. Y., assignor to American Planograph Company. Producing letter-press printing plates or forms. No. 1,106,369; Aug. 11; Gaz. vol. 205; p. 314.
- Cornwall, George R., Rye, N. Y., assignor, by mesne assignments, to J. G. Coffin, trustee. Automatic typographic apparatus. No. 1,115,473; Oct. 27; Gaz. vol. 207; p. 1206.
- Cornwall, Harold D., Lowville, N. Y. Fiber polo-head. No. 1,116,022; Nov. 3; Gaz. vol. 208; p. 190.
- Cornwall, John B. (See Grantham and Cornwall.)
- Cornwall, John B., assignor to Barnard & Leas Manufacturing Company, Moline, Ill. Grain-scourer. No. 1,104,631; July 21; Gaz. vol. 204; p. 924.
- Cornwell, William C., Cincinnati, Ohio. Shock-absorber. No. 1,112,771; Oct. 6; Gaz. vol. 207; p. 127.
- Corona Manufacturing Co. (See Harris, Edward E., assignor.)
- Corona Typewriter Company. (See Hazen, Marshman W., assignor.)
- Corona Typewriter Company. (See Petermann, Otto, assignor.)
- Coronel, José, Habana, Cuba. Aeroplane. No. 1,115,510; Nov. 3; Gaz. vol. 208; p. 15.
- Corrall, Herbert, Leicester, England, assignor to The Singer Manufacturing Company. Button-sewing machine. No. 1,086,651; Feb. 10; Gaz. vol. 199; p. 420.
- Corrall, Herbert, Parkview, Helensburgh, Scotland, assignor to The Singer Manufacturing Company. Multiple-tuck-folding attachment. No. 1,106,787; Aug. 11; Gaz. vol. 205; p. 463.
- Correll, Friedrich. (See Menchen and Correll.)
- Correy, John. (See Baumer and Correy.)
- Corrington, Aldon R. (See Frambach and Corrington.)
- Corrington, Murray, New York, N. Y., assignor, by mesne assignments, to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake apparatus. No. 1,110,300; Sept. 8; Gaz. vol. 206; p. 554.
- Corrington, Murray, New York, N. Y., assignor, by mesne assignments, to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake apparatus. No. 1,110,301; Sept. 8; Gaz. vol. 206; p. 554.
- Corrugated Fibre Co. (See Clarke, Ralph H., assignor.)
- Corser Carburetor Company. (See Corser, John W., assignor.)
- Corser, John W., Los Angeles, Cal., assignor, by mesne assignments, to Corser Carburetor Company. Carburetor. No. 1,120,602; Dec. 8; Gaz. vol. 209; p. 628.
- Corson, Chalon E., assignor of one-half to G. C. Hetzel, Ridley Park, Pa. Carburetor. No. 1,111,527; Sept. 22; Gaz. vol. 206; p. 1064.
- Corson, Fred L., Rochester, N. H. Strip-guide for sewing-machines. No. 1,093,540; Apr. 14; Gaz. vol. 201; p. 515.
- Cort-Kitsee Co., The. (See Kitsee, Isidor, assignor.)
- Cortes, William, Perryopolis, Pa. Folding box. No. 1,097,539; May 19; Gaz. vol. 202; p. 889.
- Corthell, Fred H., assignor to E. R. Hills, Chicago, Ill. Escapement mechanism for timepieces. No. 1,107,410; Aug. 18; Gaz. vol. 205; p. 731.
- Corthell, Jennie R., Philadelphia, Pa. Hat-holder. No. 1,091,312; Mar. 31; Gaz. vol. 200; p. 1241.
- Corthésy, Jules H., Barnsbury, London, England. Turbine. No. 1,108,831; Aug. 25; Gaz. vol. 205; p. 1272.
- Corti, Arnold, Dübendorf, near Zurich, Switzerland. Destroying larvæ and pupæ of insects. No. 1,120,136; Dec. 8; Gaz. vol. 209; p. 461.

Alphabetical list of patentees—Continued.

- Cortina, Frederick J. (See Voss, Willis M., assignor.)
- Corvin, James F., assignor to McCord and Company, Chicago, Ill. Journal-box and lid. No. 1,106,628; Aug. 11; Gaz. vol. 205; p. 409.
- Corwin, Elmer G., Seattle, Wash. Non-heat-conducting receptacle. No. 1,121,072; Dec. 15; Gaz. vol. 209; p. 840.
- Corwin, Elmer R. (See Parker and Corwin.)
- Corwin, Elmer R., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephone system. No. 1,085,974; Feb. 3; Gaz. vol. 199; p. 141.
- Corwin, Elmer R., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephone system. No. 1,105,344; July 28; Gaz. vol. 204; p. 1221.
- Corwin, Elmer R., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephony. No. 1,105,345; July 28; Gaz. vol. 204; p. 1221.
- Corwin, Elmer R., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephone-exchange system. No. 1,109,163; Sept. 1; Gaz. vol. 206; p. 108.
- Corwin, Elmer R., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephone-exchange system. No. 1,109,164; Sept. 1; Gaz. vol. 206; p. 109.
- Corwin, George T., New Milford, Pa. Gate-latch. No. 1,099,024; June 2; Gaz. vol. 203; p. 225.
- Corwin Telephone Manufacturing Company. (See Corwin, Elmer R., assignor.)
- Corwin, Thomas P., Kenton, Ohio. Hay-loader. No. 1,103,942; July 21; Gaz. vol. 204; p. 623.
- Cory, Thornton J., assignor to Illinois-Pacific Glass Co., San Francisco, Cal. Corrugated-fiber-board box. No. 1,097,390; May 19; Gaz. vol. 202; p. 840.
- Cory, Elbert, Colfax, Ind. Attachment for disk cutters. No. 1,101,411; June 23; Gaz. vol. 203; p. 1179.
- Cory, Fred P., assignor to Farmer's Handy Wagon Co., Saginaw, Mich. Reinforcing device for silos. No. 1,109,045; Sept. 1; Gaz. vol. 206; p. 67.
- Cory, Harvey, Dormont borough, Pa. Coat-washer. No. 1,095,817; May 5; Gaz. vol. 202; p. 220.
- Cory, Jay G., Coffeyville, Kans., assignor of one-half to R. E. Linney, Neosho, Mo. Disinfecting device. No. 1,085,546; Jan. 27; Gaz. vol. 198; p. 860.
- Cory, Loretto, Shelbyville, Ind. Game apparatus. No. 1,102,724; July 7; Gaz. vol. 204; p. 175.
- Cory, Wilbur G., New York, N. Y., assignor to Standard Motor Truck Company, Pittsburgh, Pa. Double-folding car-step. No. 1,103,008; July 7; Gaz. vol. 204; p. 273.
- Cory, Wilbur G., New York, N. Y., assignor to Standard Motor Truck Company, Pittsburgh, Pa. Double-folding car-step. No. 1,120,284; Dec. 8; Gaz. vol. 209; p. 514.
- Cosart, John H., and G. Linhard, Lyons, N. Y.; said Cosart assignor to said Linhard. Machine for combing, compacting, and clipping the wool of wool-skins. No. 1,100,473; June 16; Gaz. vol. 203; p. 804.
- Cosby, Clarence, Richmond, Va. Machine for renewing old cans. No. 1,085,890; Feb. 3; Gaz. vol. 199; p. 110.
- Coseo, Frederick C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Cable-reeling mechanism. No. 1,090,973; Mar. 24; Gaz. vol. 200; p. 910.
- Coseo, Frederick C., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Support for electric trolley mechanism. No. 1,091,734; Mar. 31; Gaz. vol. 200; p. 1212.
- Cosford, Alexander, Oak Lake, Manitoba, Canada. Grain-measurer. No. 1,114,233; Oct. 20; Gaz. vol. 207; p. 720.
- Cosgrove, William N., and G. L. Smith, Faribault, Minn. Concrete culvert. No. 1,096,226; May 12; Gaz. vol. 202; p. 394.
- Coslett, Fred F. (See Anderson and Coslett.)
- Cossey, Myron, assignor to Reliance Ball Bearing Door Hanger Company, New York, N. Y. Door-hanger. No. 1,109,202; Sept. 1; Gaz. vol. 206; p. 123.
- Costa, Louis, Philadelphia, Pa. Pineapple-eye remover. No. 1,117,978; Nov. 24; Gaz. vol. 208; p. 995.
- Costarella, Domenico, Milwaukee, Wis. Lever-jack. No. 1,121,981; Dec. 22; Gaz. vol. 209; p. 1194.
- Costellano, A. S., *et al.* (See Rosolofsky, Friedrich, assignor.)
- Costello, John J., Jr., assignor of one-half to M. A. McGinley, Scranton, Pa. Lubricator. No. 1,110,299; Sept. 8; Gaz. vol. 206; p. 553.
- Costello, Joseph A. (See Bidle and Costello.)
- Costello, Joseph A., assignor to Cleveland Car Specialty Company, Cleveland, Ohio. Carline for car-roofs. No. 1,114,707; Oct. 20; Gaz. vol. 207; p. 885.
- Costello, Loretto A. (See Scott and Costello.)
- Costello, Richard A., Chicago Heights, Ill. Eraser. No. 1,114,863; Oct. 27; Gaz. vol. 207; p. 994.
- Costello, Thomas H., Chicago, Ill. Blackboard-eraser. No. 1,089,047; Mar. 3; Gaz. vol. 200; p. 127.
- Costello, Thomas J., Middletown, Ohio. Annealing-furnace. No. 1,097,303; May 19; Gaz. vol. 202; p. 810.
- Costello, Walter J., Washington, D. C. Beer-dispenser. No. 1,105,881; Aug. 4; Gaz. vol. 205; p. 103.
- Costello, William F., San Antonio, Tex. Horse-collar and sweat-pad. No. 1,111,218; Sept. 22; Gaz. vol. 206; p. 958.
- Costelloe, John P., Medicine Hat, Alberta, Canada. Electro-pneumatic air-brake system. No. 1,115,286; Oct. 27; Gaz. vol. 207; p. 1143.
- Coster, Anthony D., Madison, Wis. Built-up railway-tie. No. 1,101,412; June 23; Gaz. vol. 203; p. 1179.
- Coster, Lambert, College Point, N. Y. Steam-trap. No. 1,088,882; Mar. 3; Gaz. vol. 200; p. 71.
- Costikyan, Nazar. (See Dalkranian, James K., assignor.)
- Cote, Damase J., Manchester, N. H. Case-clip. No. 1,116,245; Nov. 3; Gaz. vol. 208; p. 265.
- Côté, George M., assignor of one-third to J. H. Harrison, Pittsburgh, Pa. Rail-fastening device. No. 1,111,528; Sept. 22; Gaz. vol. 206; p. 1064.
- Côté, Louis E., Ottawa, Ontario, Canada. Catoptric flashlight. No. 1,101,683; June 30; Gaz. vol. 203; p. 1325.
- Cothran, John C. (See Cochran and Cothran.)
- Cothron, Samuel, Shawnee, Okla. Adjustable car-steps. No. 1,102,006; June 30; Gaz. vol. 203; p. 1438.
- Cotner, Florence D., Sunbury, Pa. Garment-retainer. No. 1,084,929; Jan. 20; Gaz. vol. 198; p. 615.
- Cotter, John S., Sabula, Iowa. Automobile headlight-controlling device. No. 1,117,336; Nov. 17; Gaz. vol. 208; p. 732.
- Cotter, Thomas A. (See Morrissey, Patrick, assignor.)
- Cottini, Girolamo. (See Cottini, Gulielmo and G.)
- Cottini, Gulielmo, Springfield, and G. Cottini, Holyoke, Mass. Toilet-paper package. No. 1,104,414; July 21; Gaz. vol. 204; p. 847.
- Cottini, Gulielmo, Springfield, and G. Cottini, Holyoke, Mass. Toilet-paper machine. No. 1,104,415; July 21; Gaz. vol. 204; p. 848.
- Cottle, Arthur P., assignor to Sheffield Car Company, Three Rivers, Mich. Internal-combustion engine. No. 1,117,641; Nov. 17; Gaz. vol. 208; p. 838.
- Cottle, Arthur P., assignor to Sheffield Car Company, Three Rivers, Mich. Internal-combustion engine. No. 1,117,642; Nov. 17; Gaz. vol. 208; p. 838.
- Cotton, Alfred, Newark, N. J. Furnace-grate. No. 1,117,795; Nov. 17; Gaz. vol. 208; p. 893.
- Cotton, Charles M. (See Ingalls, Allen G., assignor.)
- Cotton Gathering Corporation. (See O'Shaughnessy, James F., assignor.)
- Cotton, Howard W., assignor of one-half to S. H. Pomeroy, New York, and one-half to P. C. Lenz, Brooklyn, N. Y. Fusible link. No. 1,092,562; Apr. 7; Gaz. vol. 201; p. 151.
- Cotton, James H., Bellevue, Pa., assignor to Orenstein-Arthur Koppel Co. Apparatus for dumping cars. No. 1,084,256; Jan. 13; Gaz. vol. 198; p. 362.
- Cotton Machinery Company. (See Brown and Westlin, assignors.)
- Cotton, Walter H., Chicago, Ill. Electrical igniting apparatus. No. 1,101,256; June 23; Gaz. vol. 203; p. 1126.
- Cotton, Walter H., Chicago, Ill. Telephone-receiver. No. 1,115,053; Oct. 27; Gaz. vol. 207; p. 1062.
- Cotton, Walter H., Chicago, Ill., assignor to American Office Machine Co. Ribbon-inking machine. No. 1,094,533; Apr. 28; Gaz. vol. 201; p. 951.
- Cotton, Walter H., assignor to H. M. Van Hoesen, Chicago, Ill. Ribbon-inking machine. No. 1,095,454; May 5; Gaz. vol. 202; p. 96.
- Cotton, Walter H., assignor, by mesne assignments, to S & M Electric Company, Chicago, Ill. Sound-transmitter. No. 1,102,007; June 30; Gaz. vol. 203; p. 1439.
- Cotton, William H., Salem, N. Y. Thermo poultry-fountain. No. 1,102,572; July 7; Gaz. vol. 204; p. 124.
- Cottrell, John C., Kingsley, Iowa. Convertible stock and grain car. No. 1,097,304; May 19; Gaz. vol. 202; p. 810.
- Coty, Alfred C., Hudson Falls, assignor of one-fourth to J. A. Lawson, Albany, and one-fourth to T. H. Burke, Hudson Falls, N. Y. Machine for making paper bags. No. 1,119,244; Dec. 1; Gaz. vol. 209; p. 119.
- Couch, Buel. (See Kneeder, John D., assignor.)
- Couch, Buel, Sioux City, Iowa. Binder. No. 1,097,391; May 19; Gaz. vol. 202; p. 841.
- Couch, Elbert L., Hartford, Conn., assignor to Silvercase Company Inc. Apparatus for cleaning articles. No. 1,083,992; Jan. 13; Gaz. vol. 198; p. 272.
- Couch and Paul Trolley Base Company. (See Paul, William J., assignor.)
- Coughenour, Allen J., Kansas City, Mo. Article-carrier. No. 1,113,415; Oct. 13; Gaz. vol. 207; p. 394.
- Coughenour, Allen J., Fort Leavenworth, Kans. Detector. No. 1,115,902; Nov. 3; Gaz. vol. 208; p. 148.
- Coughenour, Allen J., Fort Leavenworth, Kans. Shipping-case. No. 1,120,792; Dec. 15; Gaz. vol. 209; p. 742.
- Coughlan, Thomas B., assignor to Chamberlain Metal Weather Strip Company, Detroit, Mich. Weather-strip. No. 1,114,864; Oct. 27; Gaz. vol. 207; p. 995.
- Coughlin, Joseph D., Dorchester, assignor to Superior Toggle Company, Inc., Boston, Mass. Tanner's toggle. No. 1,084,539; Jan. 13; Gaz. vol. 198; p. 452.
- Coughlin, Joseph D., Dorchester, assignor to National Metal Seal Corporation, Boston, Mass. Lighter. No. 1,084,793; Jan. 20; Gaz. vol. 198; p. 570.
- Coughlin, Joseph D., Dorchester, assignor, by mesne assignments, to Progressive Manufacturing Company, Boston, Mass. Egg-heater. No. 1,115,287; Oct. 27; Gaz. vol. 207; p. 1144.

Alphabetical list of patentees—Continued.

- Coughlin, Michael F., Stoughton, assignor to F. H. Kennard, Newton Center, Mass. Varnish and making same. No. 1,103,266; July 14; Gaz. vol. 204; p. 411.
- Coughlin, Michael F., Stoughton, assignor to F. H. Kennard, Newton Center, Mass. Composition containing sulfite-waste and shellac. No. 1,103,267; July 14; Gaz. vol. 204; p. 411.
- Coughlin, Michael F., Stoughton, Mass., and C. E. Swett, Providence, R. I., assignors to F. H. Kennard, Newton Center, Mass. Finishing composition and preparing same. No. 1,114,119; Oct. 20; Gaz. vol. 207; p. 679.
- Coughlin, Michael F., Stoughton, Mass., and C. E. Swett, Providence, R. I., assignors to F. H. Kennard, Newton Center, Mass. Bleached waste sulfite liquor and preparing same. No. 1,114,120; Oct. 20; Gaz. vol. 207; p. 679.
- Coulet, Léon, Hyères - les - Palmiers, France. Combined box and dropping-bottle with a sugar-magazine. No. 1,092,766; Apr. 7; Gaz. vol. 201; p. 220.
- Coulombe, Ignace, Fall River, Mass. Loom attachment. No. 1,103,661; July 14; Gaz. vol. 204; p. 549.
- Coulson, John, Detroit, Mich. Gum-vending machine. No. 1,121,804; Dec. 22; Gaz. vol. 209; p. 1130.
- Coulston, Earl V., Cleveland, Ohio. Stove. No. 1,098,097; May 26; Gaz. vol. 202; p. 1132.
- Coulston, Earl V., Cleveland, Ohio. Gas cooking-stove. No. 1,120,032; Dec. 8; Gaz. vol. 209; p. 426.
- Coulston, Harry. (See Schwartz and Coulston.)
- Coulter, Charles J., Hammond, Ind. Portable rail-drill. No. 1,115,402; Oct. 27; Gaz. vol. 207; p. 1182.
- Coulter, Clifford C., Portland, Oreg. Gas-stove. No. 1,123,175; Dec. 29; Gaz. vol. 209; p. 1648.
- Coulter, Frank E., Omaha, Nebr. Electrical exercising apparatus. No. 1,117,796; Nov. 17; Gaz. vol. 208; p. 894.
- Coulter, Fred S., Livonia, assignor of thirty one-hundredths to W. F. Guthrie, Campbellsburg, Ind. Automatic exchange system for the transmission of intelligence. No. 1,088,541; Feb. 24; Gaz. vol. 199; p. 1167.
- Coulter, Leonard B. (See Allen and Coulter.)
- Coulter, Philip S. (See Hornberger, Carl, assignor.)
- Council, David C. (See Council, Dee, assignor.)
- Council, Dee, Rives, Tenn., assignor of one-half to D. C. Council. Warming or cooking attachment for grates. No. 1,088,542; Feb. 24; Gaz. vol. 199; p. 1167.
- Coupe, Elphege J. B., Morgan City, La. Dough-raiser. No. 1,103,268; July 14; Gaz. vol. 204; p. 412.
- Couper, Peter, Oakenholt, Wales. Paper-making apparatus. No. 1,085,547; Jan. 27; Gaz. vol. 198; p. 860.
- Coups, Charles A., Belleville, N. J. Wire-cloth for use on paper-making machines. No. 1,103,943; July 21; Gaz. vol. 204; p. 687.
- Courser, Fred M., Rochester, assignor of one-half to W. J. MacFarland, New York, N. Y. Skiing-machine. No. 1,120,033; Dec. 8; Gaz. vol. 209; p. 426.
- Coursey, William H., Brownsboro, Tex. Seed-hopper. No. 1,111,057; Sept. 22; Gaz. vol. 206; p. 903.
- Courson, John F., Pitcairn, Pa. Draft-gear. No. 1,089,908; Mar. 10; Gaz. vol. 200; p. 471.
- Courson, John F., Pitcairn, Pa. Draft-gear. No. 1,095,818; May 5; Gaz. vol. 202; p. 220.
- Courson, John F., Pitcairn, Pa. Draft-gear. No. 1,105,185; July 28; Gaz. vol. 204; p. 1163.
- Courson, John F., Pitcairn, Pa. Draft-gear. No. 1,121,482; Dec. 15; Gaz. vol. 209; p. 982.
- Courson, Oliver H., Memphis, Tenn. Combined rail-brace and tie-plate. No. 1,102,725; July 7; Gaz. vol. 204; p. 175.
- Courtaulds, Limited. (See Clayton, James, assignor.)
- Courtaulds Limited. (See Wilson, Leonard P., assignor.)
- Courtin, Leon. (See Dunn, Joseph, assignor.)
- Courtland, William A., New York, N. Y. Stitch-ripper. No. 1,097,614; May 26; Gaz. vol. 202; p. 959.
- Courtney, John N. (See McCoy, Elijah, assignor.)
- Courtney, Moyland E., Fairplay, Mo. Motor-plow. No. 1,112,267; Sept. 29; Gaz. vol. 206; p. 1357.
- Courtwright, Edwin C., Sedan, Kans. Gasolene-strainer. No. 1,111,249; Sept. 22; Gaz. vol. 206; p. 969.
- Cousens, Edward, Chiswick, London, England. Filter. No. 1,120,448; Dec. 8; Gaz. vol. 209; p. 573.
- Cousins, George, Oswego, N. Y. Spacer-bolt. No. 1,108,888; Sept. 1; Gaz. vol. 206; p. 8.
- Cousins, Robert W., Chicago, Ill. Magnetic separator. No. 1,094,125; Apr. 21; Gaz. vol. 201; p. 754.
- Cousins, Robert W., Gary, Ind. Engine-starting and current-generating mechanism. No. 1,115,903; Nov. 3; Gaz. vol. 208; p. 148.
- Cousot, Achille, Geneva, Switzerland. Tool and tool-holder for metal-working. No. 1,085,079; Jan. 20; Gaz. vol. 198; p. 665.
- Coutant, Oscar Z., Springfield, Ill. Tool. No. 1,089,112; Mar. 3; Gaz. vol. 200; p. 151.
- Coutelle, Carl. (See Hofmann and Coutelle.)
- Coutelle, Carl. (See Hofmann, Coutelle, Delbrück, and Meisenburg.)
- Couture, Joseph. (See Gingras and Couture.)
- Covault, Lewis C., and J. D. Reese, Mechanicsburg, Ohio. Mold for making concrete staves. No. 1,113,957; Oct. 20; Gaz. vol. 207; p. 622.
- Coverdill, Joseph H., Indianapolis, Ind. Plastering-machine. No. 1,103,269; July 14; Gaz. vol. 204; p. 412.
- Covert, Fred W., assignor to Covert Manufacturing Company, Watervliet, N. Y. Hame-fastener. No. 1,102,476; July 7; Gaz. vol. 204; p. 89.
- Covert Manufacturing Company. (See Baxter, John B., assignor.)
- Covert Manufacturing Company. (See Covert, Fred W., assignor.)
- Covey, Harry A., Akron, Ohio. Egg and cream whipper. No. 1,108,973; Sept. 1; Gaz. vol. 206; p. 40.
- Covington Machine Company. (See Sangster, William, assignor.)
- Covington, Sarah E., Bellefontaine, Ohio. Liner for tires. No. 1,088,543; Feb. 24; Gaz. vol. 199; p. 1168.
- Cowall, John R. (See Black and Teare, assignors.)
- Cowan, Charles E. (See Chapman and Cowan.)
- Cowan, Herbert W., et al., trustees. (See Taylor, George P., assignor.)
- Cowan, Hugh A., et al. (See Sloss, Edward P., assignor.)
- Cowan, Minnie M., et al. (See Sloss, Edward P., assignor.)
- Cowan, Robert J., Dalworth, Tex. Plow. No. 1,120,603; Dec. 8; Gaz. vol. 209; p. 628.
- Cowan Truck Company. (See Taylor, George P., assignor.)
- Cowart, Elias H., Sacramento, Cal. Rotary spading-plow. No. 1,122,481; Dec. 29; Gaz. vol. 209; p. 1402.
- Cowden, Albert D., Waterford, Cal. Car-indicator. No. 1,121,614; Dec. 22; Gaz. vol. 209; p. 1064.
- Cowden, Charles N. (See Willard and Cowden.)
- Cowdery, Warren H., assignor to The American Fork and Hoe Company, Cleveland, Ohio. Agricultural implement. No. 1,110,673; Sept. 15; Gaz. vol. 206; p. 726.
- Cowdrey, Robert H., Chicago, Ill. Safety cut-off. No. 1,085,245; Jan. 27; Gaz. vol. 198; p. 760.
- Cowdroy, Frederick F., North Sydney, New South Wales, Australia. Window-fitting for blinds. No. 1,095,083; Apr. 28; Gaz. vol. 201; p. 1144.
- Cowell, Marcus R., Minneapolis, Minn. Lock for trunks. No. 1,083,522; Jan. 6; Gaz. vol. 198; p. 87.
- Cowell, Marcus R., Minneapolis, Minn. Coupling for traction-engines. No. 1,103,868; July 14; Gaz. vol. 204; p. 619.
- Cowell, Marcus R., Prince Albert, Saskatchewan, Canada. Connecting device. No. 1,107,497; Aug. 18; Gaz. vol. 205; p. 761.
- Cowen, Joshua L., New York, N. Y. Toy construction. No. 1,109,968; Sept. 8; Gaz. vol. 206; p. 435.
- Cowen, Joshua L., New York, N. Y. Roadway construction for toy cars. No. 1,110,902; Sept. 15; Gaz. vol. 206; p. 807.
- Cowen, Joshua L., New York, N. Y. Toy car. No. 1,113,312; Oct. 13; Gaz. vol. 207; p. 357.
- Cowen, Max, New York, N. Y. Garment. No. 1,087,924; Feb. 24; Gaz. vol. 199; p. 956.
- Cowen, Max, New York, N. Y. Riding-habit. No. 1,104,632; July 21; Gaz. vol. 204; p. 924.
- Cowgill, Orph W., assignor of ninety one-hundredths to O. F. Stifel, St. Louis, Mo. Signal for motor-vehicles. No. 1,106,134; Aug. 4; Gaz. vol. 205; p. 193.
- Cowles, Alfred H., Sewaren, N. J., assignor to The Electric Smelting and Aluminum Company. Car-feeding device for tunnel-furnaces. No. 1,086,278; Feb. 3; Gaz. vol. 199; p. 244.
- Cowles, Alfred H., assignor to The Electric Smelting and Aluminum Company, Sewaren, N. J. Making alkali-silico-aluminate richer in alkali than feldspar. No. 1,111,881; Sept. 29; Gaz. vol. 206; p. 1227.
- Cowles, Arthur B., Rochester, N. Y. Plant-protector. No. 1,110,377; Sept. 15; Gaz. vol. 206; p. 620.
- Cowles, Edward P., Sparta, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,103,567; July 14; Gaz. vol. 204; p. 514.
- Cowles, Edward P., Sparta, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,107,042; Aug. 11; Gaz. vol. 205; p. 550.
- Cowles, Edward P., Sparta, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Rear-axle structure. No. 1,108,889; Sept. 1; Gaz. vol. 206; p. 9.
- Cowles, Edward P., Sparta, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,112,678; Oct. 6; Gaz. vol. 207; p. 96.
- Cowles, George, Sacramento, Cal. Pipe connection. No. 1,106,546; Aug. 11; Gaz. vol. 205; p. 380.
- Cowles, Ora E., Barton, Vt. Device for locating places on maps. No. 1,110,901; Sept. 15; Gaz. vol. 206; p. 806.
- Cowles, Thomas L., assignor to Stevens-Duryea Company, Chicopee Falls, Mass. Adjusting device for windshields. No. 1,100,287; June 16; Gaz. vol. 203; p. 739.
- Cowley, James T., Boston, Mass., assignor to The Lamson Company, Newark, N. J. Pneumatic-despatch-tube apparatus. No. 1,086,443; Feb. 10; Gaz. vol. 199; p. 346.
- Cowley, James T., Boston, Mass., assignor to Lamson Company, Newark, N. J. Pneumatic-despatch-tube apparatus. No. 1,102,185; June 30; Gaz. vol. 203; p. 1501.

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- Cowperthwaite, William T., Mount Eden, Auckland, New Zealand. Silent flushing apparatus. No. 1,104,292; July 21; Gaz. vol. 204; p. 805.
- Cox, Albert M., Mattie, S. C. Ground cutter and pulverizer. No. 1,103,741; July 14; Gaz. vol. 204; p. 576.
- Cox, Alvin L., Elizabethtown, Ky. Wagon construction. No. 1,118,531; Nov. 24; Gaz. vol. 208; p. 1190.
- Cox, Alvin L., Elizabethtown, Ky. Wagon-bed hoist. No. 1,120,793; Dec. 15; Gaz. vol. 209; p. 742.
- Cox, Charles A., McLeansboro, Ill. Fastener for barrel-heads. No. 1,103,401; July 14; Gaz. vol. 204; p. 455.
- Cox, Chester R., Berkeley, Cal. Ironing-board cabinet. No. 1,110,903; Sept. 15; Gaz. vol. 206; p. 807.
- Cox, Claude E., Detroit, Mich. Gearing. No. 1,101,524; June 30; Gaz. vol. 203; p. 1269.
- Cox, Cody C., *et al.* (See Rogers, Frank M., assignor.)
- Cox, David F., *et al.* (See Boone, Frank L., assignor.)
- Cox, Edgar, *et al.* (See Stamm, Charles H., assignor.)
- Cox, Edwin A., assignor to The Rotospeed Company, Dayton, Ohio. Sheet-attaching device for stencil-machines. No. 1,106,440; Aug. 11; Gaz. vol. 205; p. 339.
- Cox, Edwin A., Irvington, N. J., assignor to The Rotospeed Company, Dayton, Ohio. Stencil-printing machine. No. 1,117,337; Nov. 17; Gaz. vol. 208; p. 732.
- Cox, Ernest H., Marlow, Okla. Agricultural implement. No. 1,088,969; Mar. 3; Gaz. vol. 200; p. 102.
- Cox, Ernest O., Wetumka, Okla. Lubricating device. No. 1,109,402; Sept. 1; Gaz. vol. 206; p. 195.
- Cox, Geldolph A. (See Van Kampen and Cox.)
- Cox, George S., Philadelphia, Pa. Woven interlining fabric and making same. No. 1,091,197; Mar. 24; Gaz. vol. 200; p. 989.
- Cox, George S., Philadelphia, Pa. Haircloth-loom. No. 1,091,198; Mar. 24; Gaz. vol. 200; p. 989.
- Cox, George S., Philadelphia, Pa. Haircloth-loom. No. 1,094,882; Apr. 28; Gaz. vol. 201; p. 1075.
- Cox, George W., Edison, Nebr. Joint for pitchforks and the like. No. 1,120,449; Dec. 8; Gaz. vol. 209; p. 574.
- Cox, Glenn W., and R. Shields, assignors to Electric Service Supplies Company, Philadelphia, Pa. Changeable sign. No. 1,120,285; Dec. 8; Gaz. vol. 209; p. 514.
- Cox, Harry D., Richmond, Va. Folding-vehicle-top holder. No. 1,092,898; Apr. 14; Gaz. vol. 201; p. 301.
- Cox, Henry A. (See Gattie and Cox.)
- Cox, Henry C. (See Cox, Henry E. and H. C.)
- Cox, Henry E. and H. C., East St. Louis, Ill. Valve. No. 1,089,331; Mar. 3; Gaz. vol. 200; p. 223.
- Cox, Howard M., Chicago, Ill., assignor to Judd Laundry Machine Company, Wilmington, Del. Actuating mechanism. No. 1,112,983; Oct. 6; Gaz. vol. 207; p. 199.
- Cox, James L., Bergholz, Ohio. Repeating shotgun. No. 1,111,440; Sept. 22; Gaz. vol. 206; p. 1033.
- Cox, James W., Ashland, Ky. Door-holder and window-lock. No. 1,111,996; Sept. 29; Gaz. vol. 206; p. 1263.
- Cox, Jesse M., *et al.* (See Boone, Frank L., assignor.)
- Cox, Jesse M., Greensboro, Pa. Pocket match-scratcher. No. 1,088,325; Feb. 24; Gaz. vol. 199; p. 1096.
- Cox, John C., and L. Arnold, Atlanta, Ga. Life-saving apparatus. No. 1,087,352; Feb. 17; Gaz. vol. 199; p. 712.
- Cox, John L., Kenora, Ontario, Canada. Oil-stove. No. 1,104,966; July 28; Gaz. vol. 204; p. 1089.
- Cox, Millard F., Louisville, Ky. Steam-superheater for boilers. No. 1,090,688; Mar. 17; Gaz. vol. 200; p. 782.
- Cox Multi-Mailer Company. (See Cox, Sandford C., assignor.)
- Cox Multi-Mailer Company. (See Tomlinson, Joseph, assignor.)
- Cox, Orla E., Hoopeston, Ill. Hay-pitcher. No. 1,109,664; Sept. 8; Gaz. vol. 206; p. 325.
- Cox, Oscar M., Plainview, Tex. Traction-engine. No. 1,099,538; June 9; Gaz. vol. 203; p. 444.
- Cox, Raymond E. S., Dennison, Ohio. Wire-stretcher. No. 1,102,144; June 30; Gaz. vol. 203; p. 1487.
- Cox, Richard C., assignor of one-half to himself and one-half to F. A. Wyman, Dorchester, Mass. Device for testing gages. No. 1,108,141; Aug. 25; Gaz. vol. 205; p. 1034.
- Cox, Robert H., Listowel, Ireland. Insect-catcher. No. 1,095,819; May 5; Gaz. vol. 202; p. 221.
- Cox, Samuel C., Washington, D. C. System of collecting mail and the like. No. 1,094,126; Apr. 21; Gaz. vol. 201; p. 755.
- Cox, Sandford C., Chicago, Ill., assignor to Cox Multi-Mailer Company, Augusta, Me., and New York, N. Y. Feeder for addressing-machines, &c. No. 1,087,643; Feb. 17; Gaz. vol. 199; p. 817.
- Cox, Sandford C., Chicago, Ill., assignor to Cox Multi-Mailer Company, Augusta, Me., and New York, N. Y. Addressing-machine. No. 1,105,323; July 28; Gaz. vol. 204; p. 1213.
- Cox, Sandford C., Edison Park, Ill., assignor to Cox Multi-Mailer Company, Augusta, Me. Addressing-machine. No. 1,104,967; July 28; Gaz. vol. 204; p. 1089.
- Cox, Sandford C., Edison Park, Ill., assignor to Cox Multi-Mailer Company, Augusta, Me. Addressing-machine. No. 1,105,322; July 28; Gaz. vol. 204; p. 1213.
- Cox, Virgil C., Paducah, Ky. Oil-can. No. 1,092,433; Apr. 7; Gaz. vol. 201; p. 107.
- Cox, W. F. (See Brown, James A., assignor.)
- Cox, William, Toronto, Ontario, Canada. Fare-box. No. 1,101,525; June 30; Gaz. vol. 203; p. 1270.
- Cox, William E., Wilmington, N. C. Desk. No. 1,117,338; Nov. 17; Gaz. vol. 208; p. 733.
- Cox, William G., Albany, N. Y. Rebound-brake for spring-vehicles. No. 1,110,311; Sept. 15; Gaz. vol. 206; p. 595.
- Coy, Dan C. (See Malquist, John, assignor.)
- Coyle, Andrew M., New York, N. Y., assignor, by mesne assignments, to Gurney Electric Elevator Company, Honesdale, Pa. Elevator safety device. No. 1,102,246; July 7; Gaz. vol. 204; p. 9.
- Coyle, Andrew M., New York, N. Y., assignor to Gurney Electric Elevator Company, Honesdale, Pa. Actuating mechanism for elevator-stops. No. 1,122,256; Dec. 29; Gaz. vol. 209; p. 1328.
- Coyle, Andrew M., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Elevator-door lock. No. 1,102,477; July 7; Gaz. vol. 204; p. 90.
- Coyle, Charles H., Clyde, Ill. Tank-car. No. 1,089,535; Mar. 10; Gaz. vol. 200; p. 344.
- Coyle, James, Tremont, Pa. Rake-cleaner. No. 1,111,297; Sept. 22; Gaz. vol. 206; p. 985.
- Coyle, John, Palo Alto, Cal. Device for cleaning and polishing knives. No. 1,096,354; May 12; Gaz. vol. 202; p. 440.
- Coyle, Joseph W., Harringay, England. Machine for making receptacles. No. 1,112,121; Sept. 29; Gaz. vol. 206; p. 1304.
- Coyne, Anthony, assignor of one-half to B. Eastes, Fork Ridge, Tenn. Burglar-alarm. No. 1,096,227; May 12; Gaz. vol. 202; p. 394.
- Coyne, Hooper, Baltimore, Md. Safety-razor. No. 1,094,127; Apr. 21; Gaz. vol. 201; p. 755.
- Coyne, John H., Toronto, and J. J. Worden, St. Thomas, Ontario, Canada. Relief-valve for steam-cylinders. No. 1,110,378; Sept. 15; Gaz. vol. 206; p. 620.
- Coyne, Stephen H., Syracuse, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Trolley device. No. 1,118,105; Nov. 24; Gaz. vol. 208; p. 1040.
- Coyner, Robert G., Chicago, Ill., assignor to Positive Supply Company, Davenport, Iowa. Holder and automatic lock for milk-bottles. No. 1,107,043; Aug. 11; Gaz. vol. 205; p. 551.
- Crabb, Carl C., Topeka, Kans. Cut-under wagon-dump. No. 1,108,142; Aug. 25; Gaz. vol. 205; p. 1035.
- Crabill, William L., Battle Creek, Mich. Feed device or trough. No. 1,106,547; Aug. 11; Gaz. vol. 205; p. 380.
- Crabtree, J. C. (See Butler, Wesley, assignor.)
- Cracraft, Leich Electric Company. (See Leich, Oscar M., assignor.)
- Cracraft Leich Electric Company. (See Pedersen, Niels, assignor.)
- Craddock, Edward S., New York, N. Y., assignor to Tabriz Renovating Company, Jersey City, N. J. Rug-treating machine. No. 1,097,967; May 26; Gaz. vol. 202; p. 1087.
- Craddock, Hubert, *et al.* (See Naumann, George L., assignor.)
- Craft, Clarence H., assignor of one-half to W. Miller, Uniontown, Pa. Vehicle top-frame. No. 1,086,515; Feb. 10; Gaz. vol. 199; p. 372.
- Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, New York, N. Y. Indicating ringing-key. No. 1,086,029; Feb. 3; Gaz. vol. 199; p. 161.
- Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, New York, N. Y. Telephone-transmitter. No. 1,096,153; May 12; Gaz. vol. 202; p. 369.
- Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, New York, N. Y. Automatic-exchange selector. No. 1,099,343; June 9; Gaz. vol. 203; p. 378.
- Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, New York, N. Y. Key-plunger unit. No. 1,099,915; June 16; Gaz. vol. 203; p. 610.
- Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, New York, N. Y. Automatic telephone-exchange selector. No. 1,101,684; June 30; Gaz. vol. 203; p. 1325.
- Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, New York, N. Y. Lightning-arrester. No. 1,101,728; June 30; Gaz. vol. 203; p. 1339.
- Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, New York, N. Y. Selective switching apparatus. No. 1,117,553; Nov. 17; Gaz. vol. 208; p. 806.
- Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, New York, N. Y. Relay. No. 1,121,897; Dec. 22; Gaz. vol. 209; p. 1164.
- Craft, Edward B., New York, N. Y., assignor to Western Electric Company, Chicago, Ill. Adjustable mounting of armatures of electromagnets. No. 1,096,287; May 12; Gaz. vol. 202; p. 416.
- Craft, John D., Evansville, Ind. Vehicle-tire. No. 1,103,568; July 14; Gaz. vol. 204; p. 514.
- Crafton, Charles N., assignor to Magic Fire Starter Company, Owensboro, Ky. Fuel-igniter. No. 1,123,103; Dec. 29; Gaz. vol. 209; p. 1621.
- Crafts, Walter N., Oberlin, Ohio. Electric furnace. No. 1,114,733; Oct. 27; Gaz. vol. 207; p. 947.

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- Craggs, Ross V., Baltimore, Md., assignor to R. H. Wright, Durham, N. C. Cigarette-feeding mechanism. No. 1,123,104; Dec. 29; Gaz. vol. 209; p. 1621.
- Cragin, Walter A., Winifred, Mont. Scale. No. 1,114,121; Oct. 20; Gaz. vol. 207; p. 679.
- Craig, Alexander M., Carthage, N. Y. Trace. No. 1,121,805; Dec. 22; Gaz. vol. 209; p. 1131.
- Craig, Alexander W., *et al.* (See Brooks, Harry, assignor.)
- Craig, Alvin M., New Haven, Conn. Apparatus for casting metals. No. 1,107,904; Aug. 18; Gaz. vol. 205; p. 902.
- Craig, Alvin M., New Haven, Conn. Casting metals. No. 1,107,905; Aug. 18; Gaz. vol. 205; p. 903.
- Craig, David, Melrose, Mass., assignor of one-half to C. H. Lovesy, Bethlehem, Pa. Building. No. 1,083,876; Jan. 6; Gaz. vol. 198; p. 200.
- Craig, Edward, assignor, by mesne assignments, to Sarnac Machine Co., St. Joseph, Mich. Machine for making butter-dishes. No. 1,113,879; Oct. 13; Gaz. vol. 207; p. 555.
- Craig, James, Bedford, England. Demountable rim. No. 1,085,324; Jan. 27; Gaz. vol. 198; p. 788.
- Craig, James H., Rimer, Pa. Clamp. No. 1,112,679; Oct. 6; Gaz. vol. 207; p. 97.
- Craig, John F., Longbeach, Cal. Dredge. No. 1,104,248; July 21; Gaz. vol. 204; p. 790.
- Craig, John H., Cincinnati, Ohio. Refrigerating vessel. No. 1,093,541; Apr. 14; Gaz. vol. 201; p. 515.
- Craig, John W. (See Nicholas, Herman C., assignor.)
- Craig, Lee D., San Francisco, Cal., assignor to Square Rule Company. Combined folding rule and square. No. 1,088,544; Feb. 24; Gaz. vol. 199; p. 1168.
- Craig, Robert B., Kansas City, Mo., assignor to Champion Recording Machine Company, Grand Rapids, Mich. Time-recorder. No. 1,098,484; June 2; Gaz. vol. 203; p. 44.
- Craig, Robert M., Paterson, N. J. Composition for finishing walls. No. 1,104,782; July 28; Gaz. vol. 204; p. 1024.
- Craig, Robert M., assignor of one-half to S. Mulholland, Paterson, N. J. Mounting for wheels. No. 1,112,268; Sept. 29; Gaz. vol. 206; p. 1358.
- Craig, Samuel A., El Paso, Tex. Electric insect-trap. No. 1,085,023; Jan. 20; Gaz. vol. 198; p. 647.
- Craig, Samuel A., and B. F. Darbyshire, El Paso, Tex. Railway-switch. No. 1,084,730; Jan. 20; Gaz. vol. 198; p. 549.
- Craig, Sanders, Eagle Station, Ky. Resilient wheel. No. 1,098,782; June 2; Gaz. vol. 203; p. 144.
- Craig, Thomas D., Albion, Iowa. Dental instrument. No. 1,110,379; Sept. 15; Gaz. vol. 206; p. 621.
- Craig, Thomas E. (See French and Craig.)
- Craig, W. C. (See Barnard, Arthur W., assignor.)
- Craig, William B., Martinsville, Ill. Rotary power mechanism. No. 1,102,247; July 7; Gaz. vol. 204; p. 9.
- Crain, John W., assignor of one-fourth to V. Bloomfield, Winchester, Ky. Plow. No. 1,092,632; Apr. 7; Gaz. vol. 201; p. 176.
- Craine, William, Brookfield, N. Y. Splice for joinery. No. 1,101,786; June 30; Gaz. vol. 203; p. 1359.
- Craine, William, Brookfield, N. Y. Adjustable ventilator. No. 1,106,029; Aug. 4; Gaz. vol. 205; p. 156.
- Craine, William, Brookfield, N. Y. Chain-tightener. No. 1,112,680; Oct. 6; Gaz. vol. 207; p. 97.
- Craine, William, Brookfield, N. Y. Woodworking-machine. No. 1,114,968; Oct. 27; Gaz. vol. 207; p. 1031.
- Crail, Edwin, Eau Claire, Wis. Washing-machine. No. 1,092,140; Apr. 7; Gaz. vol. 201; p. 6.
- Cramer, Anthony F. (See Huetteman, Cramer, Schaum, and Wiedeman.)
- Cramer, Bertha S., Minneapolis, Minn. Combination skirt-marker, bias-folder, and pattern-marker. No. 1,108,143; Aug. 25; Gaz. vol. 205; p. 1035.
- Cramer, Charles W., Scranton, Pa. Demountable rim for resilient tires. No. 1,095,385; May 5; Gaz. vol. 202; p. 72.
- Cramer, David A., and J. M. Hoben, Galesburg, Ill. Furnace. No. 1,114,969; Oct. 27; Gaz. vol. 207; p. 1031.
- Cramer, Eli N., Brooklyn, Ind. Silo. No. 1,090,282; Mar. 17; Gaz. vol. 200; p. 641.
- Cramer, George E., Tarpon Springs, assignor of one-third to F. M. Carter, Picnic, and one-third to J. E. Larsen, St. Petersburg, Fla. Foot-power hammer. No. 1,099,025; June 2; Gaz. vol. 203; p. 225.
- Cramer, Joseph C., Roseburg, Oreg. Insufflator. No. 1,122,257; Dec. 29; Gaz. vol. 209; p. 1328.
- Cramer, William M., Los Angeles, Cal. Music-leaf turner. No. 1,084,794; Jan. 20; Gaz. vol. 198; p. 570.
- Crampton-Farley Brass Company. (See Walling, William S., assignor.)
- Cramsey, Charles J., Allentown, Pa. Nut-lock. No. 1,121,073; Dec. 15; Gaz. vol. 209; p. 841.
- Crance, Lawrence, and A. E. Fensterbusch, Moline, Ill. Adjustable boring-tool. No. 1,113,958; Oct. 20; Gaz. vol. 207; p. 622.
- Crandall, C. L., *et al.* (See Huff, William F., assignor.)
- Crandall, Eugene L. (See Wilson and Crandall.)
- Crandall, Henry F., Racine, Wis. Safety-razor. No. 1,117,953; Nov. 17; Gaz. vol. 208; p. 946.
- Crandall, Jay E., Cherry Valley, Ill. Corset-stay. No. 1,085,799; Feb. 3; Gaz. vol. 199; p. 79.
- Crandall, John P., Buffalo, N. Y. Filling-machine. No. 1,108,974; Sept. 1; Gaz. vol. 206; p. 40.
- Crandall, Max E., assignor of one-half to L. J. Conn, Kingfisher, Okla. Wrench. No. 1,118,532; Nov. 24; Gaz. vol. 208; p. 1190.
- Crandall, Merton L., Pontiac, Mich. Water filterer or strainer. No. 1,090,283; Mar. 17; Gaz. vol. 200; p. 642.
- Crandall, William, assignor to The National-Acme Manufacturing Company, Cleveland, Ohio. Box-tool. No. 1,085,800; Feb. 3; Gaz. vol. 199; p. 79.
- Crane, Arthur T., assignor to Waterbury Mfg. Co., Waterbury, Conn. Nut. No. 1,106,082; Aug. 4; Gaz. vol. 205; p. 173.
- Crane Company. (See Doolittle, William W., assignor.)
- Crane Company. (See Flodin, Victor E., assignor.)
- Crane Company. (See Houser, Arthur M., assignor.)
- Crane Company. (See Manning, John H., assignor.)
- Crane Company. (See Woodsome, John O., assignor.)
- Crane, Edward F., Newark, N. J. Reinforced concrete construction. No. 1,087,644; Feb. 17; Gaz. vol. 199; p. 817.
- Crane, Harry W., Philadelphia, Pa. Detachable and interchangeable heel. No. 1,115,054; Oct. 27; Gaz. vol. 207; p. 1062.
- Crane, Herbert W., Chicago, Ill. Exhaust-gas conveyer. No. 1,112,681; Oct. 6; Gaz. vol. 207; p. 97.
- Crane, James P., Chicago, Ill. Composition containing annealed steel-wool and rubber. No. 1,112,772; Oct. 6; Gaz. vol. 207; p. 127.
- Crane, Josiah F., Cincinnati, Ohio. Drier for use in manufacturing corrugated mailing-board and the like. No. 1,086,898; Feb. 10; Gaz. vol. 199; p. 506.
- Crane, Martin S., Hoboken, N. J. Counter-guard bracket. No. 1,112,524; Oct. 6; Gaz. vol. 207; p. 39.
- Crane, Samuel G., assignor to Toledo Scale Co., Toledo, Ohio. Scale. No. 1,092,341; Apr. 7; Gaz. vol. 201; p. 75.
- Crane, Tobias L., Morenci, Ariz. Ore-concentrator. No. 1,116,246; Nov. 3; Gaz. vol. 208; p. 266.
- Crane, Walter. (See Compton and Crane.)
- Cranlund, Frank M., Cromwell, Minn. Mowing-machine. No. 1,084,134; Jan. 13; Gaz. vol. 198; p. 321.
- Cranney, Willard D., Logan, Utah. Lock-nut. No. 1,089,536; Mar. 10; Gaz. vol. 200; p. 344.
- Crans, Edward L. (See Jayne, Wade H., assignor.)
- Cranston, Irving H. (See Rittenhouse, William R., assignor.)
- Cranston, Patterson E., Viola, Wis. Milk-cooler. No. 1,089,692; Mar. 10; Gaz. vol. 200; p. 397.
- Cranwell, Benjamin F., Henderson, New Zealand. Spraying apparatus. No. 1,095,710; May 5; Gaz. vol. 202; p. 183.
- Cranwell, Benjamin F., and W. J. Robertson, Auckland, New Zealand. Sediment-trap. No. 1,115,784; Nov. 3; Gaz. vol. 208; p. 106.
- Crary, Thomas F., and A. S. Pfarr, Middleport, Ohio. Motor-propelled vehicle. No. 1,087,282; Feb. 17; Gaz. vol. 199; p. 688.
- Craven Engineering Company. (See Craven, James F., assignor.)
- Craven, Francis S., U. S. Navy. Breech-closure-operating mechanism for guns. No. 1,113,416; Oct. 13; Gaz. vol. 207; p. 394.
- Craven, Henry L., Grand Rapids, Mich. Wire-working machine. No. 1,085,594; Feb. 3; Gaz. vol. 199; p. 6.
- Craven, Henry T., Vineland, N. J. Nut-lock. No. 1,108,832; Aug. 25; Gaz. vol. 205; p. 1273.
- Craven, James F., Crafton, Pa. Well-drill jar. No. 1,112,773; Oct. 6; Gaz. vol. 207; p. 128.
- Craven, James F., assignor to Craven Engineering Company, Pittsburgh, Pa. Receptacle for containing and discharging pasty and semisolid substances. No. 1,087,572; Feb. 17; Gaz. vol. 199; p. 790.
- Craven, John T., St. Louis, Mo. Combined tie and support for bars. No. 1,120,374; Dec. 8; Gaz. vol. 209; p. 547.
- Cravens, George W., assignor to Delta-Star Electric Company, Chicago, Ill. Electric switch. No. 1,092,245; Apr. 7; Gaz. vol. 201; p. 42.
- Craver, John E., Stockton, Cal. Wheel-lock. No. 1,114,585; Oct. 20; Gaz. vol. 207; p. 843.
- Craw, Frank C., South Norwalk, Conn. Hat-paring machine. No. 1,087,925; Feb. 24; Gaz. vol. 199; p. 957.
- Crawford, Albert N., Pittsburgh, Pa. Water-closet. No. 1,083,319; Jan. 6; Gaz. vol. 198; p. 21.
- Crawford, Amos H., Liverpool, N. Y. Basket. No. 1,095,820; May 5; Gaz. vol. 202; p. 221.
- Crawford, Benjamin F. (See Bledsoe and Crawford.)
- Crawford, Cary W., Los Angeles, Cal. Vehicle-spring. No. 1,092,789; Apr. 7; Gaz. vol. 201; p. 228.
- Crawford, Charles, assignor to Closz & Howard Manufacturing Company, Webster City, Iowa. Adjustable wagon end-gate. No. 1,101,836; June 30; Gaz. vol. 203; p. 1377.
- Crawford, Charles J., Fresno, Cal. Orchard-plow. No. 1,094,196; Apr. 21; Gaz. vol. 201; p. 779.
- Crawford, David F., Pittsburgh, Pa. Locomotive-stoker. No. 1,083,432; Jan. 6; Gaz. vol. 198; p. 59.
- Crawford, David F., Pittsburgh, Pa. Compound rail. No. 1,098,614; June 2; Gaz. vol. 203; p. 89.

Alphabetical list of patentees—Continued.

- Crawford, David F., Pittsburgh, Pa. Compound rail. No. 1,098,615; June 2; Gaz. vol. 203; p. 89.
- Crawford, David F., Pittsburgh, Pa. Stoker. No. 1,119,927; Dec. 8; Gaz. vol. 209; p. 389.
- Crawford-Frost, William A., Baltimore, Md. Gate. No. 1,099,026; June 2; Gaz. vol. 203; p. 225.
- Crawford, George E., Britton, Okla. Spring-wheel. No. 1,095,821; May 5; Gaz. vol. 202; p. 221.
- Crawford, George G., Birmingham, Ala. Treating ingots. No. 1,108,862; Aug. 25; Gaz. vol. 205; p. 1284.
- Crawford, Guy W., Fremont, Mich. Gas-engine valve. No. 1,116,999; Nov. 10; Gaz. vol. 208; p. 573.
- Crawford, Harry, Toledo, Ohio. Swimming apparatus. No. 1,083,595; Jan. 6; Gaz. vol. 198; p. 111.
- Crawford, Harry B. (See Crawford, Rufus C., assignor.)
- Crawford, Henry J., Los Angeles, Cal. Two-cycle internal-combustion engine. No. 1,105,882; Aug. 4; Gaz. vol. 205; p. 103.
- Crawford, James B., Sioux City, Iowa. Automobile rim and tire. No. 1,121,483; Dec. 15; Gaz. vol. 209; p. 982.
- Crawford, John D., Camlachie, Ontario, Canada. Pulley-rim. No. 1,100,541; June 16; Gaz. vol. 203; p. 826.
- Crawford, John E., Columbus, Ohio. Glass-molding apparatus. No. 1,115,785; Nov. 3; Gaz. vol. 208; p. 106.
- Crawford, John M., El Paso, Tex. Cutter-head. No. 1,118,744; Nov. 24; Gaz. vol. 208; p. 1263.
- Crawford, John S., assignor to Reading Specialties Company, Reading, Pa. Guard-rail clamp. No. 1,111,007; Sept. 22; Gaz. vol. 206; p. 885.
- Crawford, Matthew O., Detroit, Mich. Carbureter. No. 1,116,023; Nov. 3; Gaz. vol. 208; p. 191.
- Crawford McGregor and Canby Co., The. (See Eastman, Earnest A., assignor.)
- Crawford, Rufus C., assignor of one-fourth to H. B. Crawford, McKeesport, Pa. Dump-car. No. 1,091,466; Mar. 24; Gaz. vol. 200; p. 1075.
- Crawford, Stuart L., Rochester, N. Y. Filter. No. 1,088,011; Feb. 24; Gaz. vol. 199; p. 989.
- Crawford Wheel and Tire Company. (See Crawford, James B., assignor.)
- Crawford, William J., and E. R. Inman, Franklin, Pa. Composite tie for railways. No. 1,087,281; Feb. 17; Gaz. vol. 199; p. 688.
- Crayssac, Désiré, Villeurbanne, France. Rotary motor. No. 1,120,034; Dec. 8; Gaz. vol. 209; p. 426.
- Creahen, William H. (See Jeffreys and Creahen.)
- Creamery Package Manufacturing Company, The. (See Valerius, Theodore L., assignor.)
- Creasey, Samuel E., Alfred, Me. Nut-lock. No. 1,118,745; Nov. 24; Gaz. vol. 208; p. 1264.
- Crecelius, Theodore E. (See Feldmann and Crecelius.)
- Credo, Julius. (See Morley, William N., assignor.)
- Creedy, D. R., Jr., *et al.* (See Allard, Andrew J., assignor.)
- Creed, Bille & Co. (See Bille, Harald, assignor.)
- Creed, Fred A., San Francisco, Cal. Ladder. No. 1,091,635; Mar. 31; Gaz. vol. 200; p. 1178.
- Creelman, Ashmore W. (See Murray and Creelman.)
- Creelman, Frank. (See Lucke and Creelman.)
- Creelman, Frank, assignor to Gas and Oil Combustion Company, New York, N. Y. Apparatus for burning explosive gaseous mixtures. No. 1,113,171; Oct. 6; Gaz. vol. 207; p. 263.
- Cregier, George A., *et al.* (See Reilly, Michael J., assignor.)
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 1,099,590; June 9; Gaz. vol. 203; p. 462.
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 1,099,968; June 16; Gaz. vol. 203; p. 628.
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Fault-localizer. No. 1,105,883; Aug. 4; Gaz. vol. 205; p. 103.
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. System of distribution. No. 1,111,365; Sept. 22; Gaz. vol. 206; p. 1008.
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Coherer discharge-indicator. No. 1,115,174; Oct. 27; Gaz. vol. 207; p. 1105.
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Protection device for street-cars. No. 1,119,576; Dec. 1; Gaz. vol. 209; p. 234.
- Creighton, Nelson B., New York, N. Y. Valve. No. 1,103,944; July 21; Gaz. vol. 204; p. 687.
- Crellin, Edwin W., Philadelphia, Pa., assignor to Universal Screw Cutting Company. Metal-working machine. No. 1,101,685; June 30; Gaz. vol. 203; p. 1325.
- Crellin, James R. and T. R., Philadelphia, Pa. Metal-working machine. No. 1,112,269; Sept. 29; Gaz. vol. 206; p. 1358.
- Crellin, Thomas R. (See Crellin, James R. and T. R.)
- Cremer, August C., and G. F. Molander, Baltimore, Md. Battery-box support and insulator. No. 1,097,392; May 19; Gaz. vol. 202; p. 841.
- Crepeau, Ovid, South Bend, Ind. Rasp for clover-hullers and the like. No. 1,102,980; July 7; Gaz. vol. 204; p. 262.
- Crepin, Jean J. H. (See Hagnauer and Crepin.)
- Crerar, George, Spokane, Wash. Mixing device. No. 1,119,405; Dec. 1; Gaz. vol. 209; p. 175.
- Crerar, John. (See Jenkins, O'Brien, Burgell, and Crerar.)
- Crescent Glass Company. (See Rithner, Henry, assignor.)
- Crescent Machine Company, The. (See Wilderson and Harrold, assignors.)
- Cresien, Albert E., Winnebago, Minn. Traction-engine. No. 1,120,692; Dec. 15; Gaz. vol. 209; p. 707.
- Cressy, Walter, Gloucester, Mass. Spraying apparatus. No. 1,104,633; July 21; Gaz. vol. 204; p. 924.
- Cretors, Charles, Chicago, Ill. Corn-popper. No. 1,091,041; Mar. 24; Gaz. vol. 200; p. 934.
- Cretors, Charles, Chicago, Ill. Corn-popping apparatus. No. 1,116,568; Nov. 10; Gaz. vol. 208; p. 421.
- Crettol, Victor J., Chicago, Ill. Signal apparatus. No. 1,095,084; Apr. 28; Gaz. vol. 201; p. 1144.
- Creveling, John L., Wilmington, N. C. Means for utilizing waste energy. No. 1,118,269; Nov. 24; Gaz. vol. 208; p. 1095.
- Creveling, John L., assignor, by mesne assignments, to Standard Heat and Ventilation Company, Inc., New York, N. Y. Steam-trap. No. 1,094,883; Apr. 28; Gaz. vol. 201; p. 1076.
- Creveling, John L., assignor, by mesne assignments, to Standard Heat and Ventilation Company, Inc., New York, N. Y. Pressure-regulator. No. 1,098,616; June 2; Gaz. vol. 203; p. 89.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Reversible brush-holder for dynamos. No. 1,109,901; Sept. 8; Gaz. vol. 206; p. 410.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,112,196; Sept. 29; Gaz. vol. 206; p. 1332.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,112,682; Oct. 6; Gaz. vol. 207; p. 98.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,113,199; Oct. 13; Gaz. vol. 207; p. 315.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,117,339; Nov. 17; Gaz. vol. 208; p. 733.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulator. No. 1,118,333; Nov. 24; Gaz. vol. 208; p. 1119.
- Crew, Royal A., Portland, Oreg. Temperature-regulator. No. 1,107,761; Aug. 18; Gaz. vol. 205; p. 855.
- Crews, Charles H., Lawrenceville, Ill. Metallic anchor for posts. No. 1,123,105; Dec. 29; Gaz. vol. 209; p. 1622.
- Crews, Neal M., Peoria, Ill. Foot-brace and arch-prop. No. 1,112,683; Oct. 6; Gaz. vol. 207; p. 98.
- Cribb, Oscar N., assignor of one-third to C. A. Jones and one-third to M. Martin, Birmingham, Ala. Variable-speed fluid power transmission. No. 1,100,288; June 16; Gaz. vol. 203; p. 740.
- Crichton-Clarke, William H., New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Blade-sharpening mechanism. No. 1,106,548; Aug. 11; Gaz. vol. 205; p. 380.
- Crichton, Fred T., Philadelphia, assignor of one-fourth to H. E. Johnson, Yeadon, Pa. Negotiable instrument. No. 1,089,113; Mar. 3; Gaz. vol. 200; p. 151.
- Cridge, Edmund L., assignor to Speed Machine Co., Passaic, N. J. Concrete-mixing machine. No. 1,085,548; Jan. 27; Gaz. vol. 198; p. 860.
- Crim, Belle N., Jordanville, N. Y. Culinary vessel. No. 1,112,684; Oct. 6; Gaz. vol. 207; p. 98.
- Crimmel, Alvie C., Hartford City, Ind. Metal cap. No. 1,116,569; Nov. 10; Gaz. vol. 208; p. 421.
- Crine, Robert V., Morganville, N. J. Tomato seeding and pulping machine. No. 1,097,213; May 19; Gaz. vol. 202; p. 778.
- Cripe, Charles E., South Bend, Ind. Fish-hook. No. 1,116,025; Nov. 3; Gaz. vol. 208; p. 191.
- Crippen, Robert W., Arlington, Kans. Threshing-machine. No. 1,083,993; Jan. 13; Gaz. vol. 198; p. 272.
- Criqui, Charles A., Buffalo, N. Y. Power-boat. No. 1,108,340; Aug. 25; Gaz. vol. 205; p. 1104.
- Crismon, Gilbert M., Nagrom, Wash. Automatic window-lifter. No. 1,121,230; Dec. 15; Gaz. vol. 209; p. 896.
- Crisp, Joseph E., Somerville, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Work-support for lasting-machines. No. 1,083,596; Jan. 6; Gaz. vol. 198; p. 111.
- Crisp, Joseph E., Somerville, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,110,422; Sept. 15; Gaz. vol. 206; p. 636.
- Crisp, Thomas, Jayton, Tex. Water-wheel. No. 1,104,167; July 21; Gaz. vol. 204; p. 763.
- Crissman, Thomas G., Pilot Mountain, N. C. Bed-slat fastener. No. 1,093,542; Apr. 14; Gaz. vol. 201; p. 516.
- Crist, George E. (See Crist, William E., assignor.)
- Crist, Mark B., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Explosion-motor. No. 1,083,433; Jan. 6; Gaz. vol. 198; p. 59.

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- Crist, Mark B., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Jump-spark ignition apparatus for internal-combustion engines. No. 1,089,461; Mar. 10; Gaz. vol. 200; p. 316.
- Crist, Mark B., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Explosion-motor. No. 1,089,462; Mar. 10; Gaz. vol. 200; p. 317.
- Crist, William E., Baltimore, assignor of one-half to G. E. Crist, Sparrows Point, Md. Journal-box. No. 1,083,905; Jan. 6; Gaz. vol. 198; p. 208.
- Criswell, Alexander P., Chicago, Ill. Indicating-gage. No. 1,097,393; May 19; Gaz. vol. 202; p. 841.
- Critchfield, Arthur L., Fargo, Ind. Seed cleaning and separating machine. No. 1,112,685; Oct. 6; Gaz. vol. 207; p. 98.
- Crites, Joseph D., Akron, Ohio. Spike. No. 1,121,484; Dec. 15; Gaz. vol. 209; p. 983.
- Crites, Stanley M., St. Martinville, La. Pole-anchor. No. 1,105,884; Aug. 4; Gaz. vol. 205; p. 104.
- Crittall Manufacturing Company, The. (See Crittall, Walter F., assignor.)
- Crittall, Walter F., assignor to The Crittall Manufacturing Company, Limited, Braintree, England. Double glazing. No. 1,117,340; Nov. 17; Gaz. vol. 208; p. 733.
- Crittenden, Myron T., Carthage, Mo. Railway-tie. No. 1,106,283; Aug. 4; Gaz. vol. 205; p. 240.
- Crittenden, Philip L., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety device for pump-governors. No. 1,115,511; Nov. 3; Gaz. vol. 208; p. 15.
- Critz, Frank A., Jr., West Point, Miss. Type-writer attachment. No. 1,095,960; May 5; Gaz. vol. 202; p. 266.
- Crocker, Jacob T., Mulberry, Ark. Spring-bottom for chairs. No. 1,111,008; Sept. 22; Gaz. vol. 206; p. 885.
- Crocker, John M., and F. Tappan, Coldwater, Mich. Machine for making cement blocks. No. 1,101,413; June 23; Gaz. vol. 203; p. 1179.
- Crocker-Wheeler Company. (See Dunn, Gano, assignor.)
- Crocker, William O., North Adams, Mass. Pump. No. 1,118,533; Nov. 24; Gaz. vol. 208; p. 1191.
- Crockett, Elmer B., Rockland, Me. Match-box. No. 1,115,175; Oct. 27; Gaz. vol. 207; p. 1105.
- Crockett, Ernest J. (See Saltzman and Crockett.)
- Crockett, Joseph B., Norfolk, Va. Collapsible barrel. No. 1,085,246; Jan. 27; Gaz. vol. 198; p. 760.
- Croft, Alfred J., Brooklyn, N. Y. Hand-tool. No. 1,100,474; June 16; Gaz. vol. 203; p. 804.
- Crofts, Frederick C., Chicago, Ill., assignor to W. A. Philpott, Jr., Niagara Falls, N. Y. Stitching-machine. No. 1,101,011; June 23; Gaz. vol. 203; p. 1043.
- Croft, Frank V., Shelton, Conn. Transmission for player-pianos. No. 1,090,386; Mar. 17; Gaz. vol. 200; p. 678.
- Croft, James N., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Type-bar. No. 1,117,797; Nov. 17; Gaz. vol. 208; p. 894.
- Croll, Horatio V. (See Elmore and Croll.)
- Cromer, Harry L., Oak Park, Ill. Rotary engine. No. 1,121,806; Dec. 22; Gaz. vol. 209; p. 1131.
- Cromer, Martin L., Sturgis, Mich. Adjustable chair. No. 1,117,979; Nov. 24; Gaz. vol. 208; p. 995.
- Crommett, Charles F. and O. J., Chelsea, Mass. Turbine. No. 1,110,423; Sept. 15; Gaz. vol. 206; p. 637.
- Crommett, Orrin J. (See Crommett, Charles F. and O. J.)
- Crompton & Knowles Loom Works. (See Bardsley, Henry, assignor.)
- Crompton & Knowles Loom Works. (See Fitton, John R., assignor.)
- Crompton & Knowles Loom Works. (See Le Doux, Hector, assignor.)
- Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)
- Crompton & Knowles Loom Works. (See Smith, Harry W., assignor.)
- Crompton & Knowles Loom Works. (See Wattle, William, assignor.)
- Crompton & Knowles Loom Works. (See Whitmore, Fred A., assignor.)
- Crompton & Knowles Loom Works. (See Wyman, Horace, assignor.)
- Crompton, Randolph, Chatham, Mass. Apparatus for developing photographs. (Reissue.) No. 13,815; Oct. 27; Gaz. vol. 207; p. 1208.
- Cromwell, John C., Cleveland, Ohio. Driving mechanism. No. 1,089,693; Mar. 10; Gaz. vol. 200; p. 397.
- Cromwell, John C., Cleveland, Ohio. Wheel-forging machine. No. 1,115,786; Nov. 3; Gaz. vol. 208; p. 107.
- Crone, Francis G., Buffalo, N. Y. Mixing unit for fluids. No. 1,095,555; May 5; Gaz. vol. 202; p. 132.
- Cronholm, Frederick N., Rupert, Idaho. Locking means for gates of irrigating-canals. No. 1,095,455; May 5; Gaz. vol. 202; p. 96.
- Cronholm, Frederick N., Rupert, Idaho. Locking means for gates of irrigating-canals. No. 1,121,170; Dec. 15; Gaz. vol. 209; p. 876.
- Cronholm, Frederick N., Sunnyside, Wash. Mold for concrete pipe. No. 1,103,270; July 14; Gaz. vol. 204; p. 412.
- Cronin, William L., Springfield, Mass. Boiler-flue blower. No. 1,116,873; Nov. 10; Gaz. vol. 208; p. 530.
- Cronk & Carrier Manufacturing Company, The. (See Cronk, Edward G., assignor.)
- Cronk, Charles H., Curtis, Nebr. Folding carrier. No. 1,085,670; Feb. 3; Gaz. vol. 199; p. 32.
- Cronk, Edward G., Montour Falls, assignor to The Cronk & Carrier Manufacturing Company, Elmira, N. Y. Rake. No. 1,118,396; Nov. 24; Gaz. vol. 208; p. 1141.
- Cronk, Edward G., Montour Falls, assignor to The Cronk & Carrier Manufacturing Company, Elmira, N. Y. Rake. No. 1,118,397; Nov. 24; Gaz. vol. 208; p. 1141.
- Cronk, Harrison T., New York, N. Y. Railway closet-tank. No. 1,085,850; Feb. 3; Gaz. vol. 199; p. 96.
- Cronk, Harrison T., assignor to Cronk-Salter Company, New York, N. Y. Railway-closet sanitation. No. 1,097,003; May 19; Gaz. vol. 202; p. 702.
- Cronk-Salter Company. (See Cronk, Harrison T., assignor.)
- Cronk, William H., Bradford, assignor of one-half to G. C. Messer, Haverhill, and one-half to E. L. Morandi, Boston, Mass. Bread-slicing machine. No. 1,123,176; Dec. 29; Gaz. vol. 209; p. 1649.
- Cronley, Robert, and F. G. Axtell, Oswego, N. Y. Speed-indicator. No. 1,087,217; Feb. 17; Gaz. vol. 199; p. 666.
- Crook, Cecil A. (See O'Brien, Beall, Crook, and Borg.)
- Crook, Henry T., Asheville, N. C. Connecting-rod for locomotives. No. 1,092,025; Mar. 31; Gaz. vol. 200; p. 1311.
- Crook, Louis H. (See Maillard and Crook.)
- Crookes, Henry, and L. Stroud, London, England. Production of metal colloids. No. 1,116,247; Nov. 3; Gaz. vol. 208; p. 266.
- Crooks, Charles L., et al. (See Newkirk, William P., assignor.)
- Crooks, Earl G., assignor of one-fourth to E. Vollrath, one-fourth to J. Martinitz, and one-fourth to F. A. Wise, Bucyrus, Ohio. Centrifugal governor. No. 1,108,709; Aug. 25; Gaz. vol. 205; p. 1230.
- Crooks, Harry R., Philadelphia, Pa. Bottle. No. 1,106,191; Aug. 4; Gaz. vol. 205; p. 212.
- Crookshanks, Leeman S., Laredo, Mo. Adjustable bearing. No. 1,100,715; June 23; Gaz. vol. 203; p. 939.
- Cropp, Andrew J., Chicago, Ill. Mixing-machine. No. 1,097,846; May 26; Gaz. vol. 202; p. 1042.
- Crosbie, Sydney, New Barnet, England. Apparatus for vaporizing oil. No. 1,120,450; Dec. 8; Gaz. vol. 209; p. 574.
- Crosby, Joseph B., assignor of one-sixth to A. F. Gerber and one-sixth to C. K. Karlovetz, Fremont, Ohio. Hat-pin protector. No. 1,119,245; Dec. 1; Gaz. vol. 209; p. 119.
- Crosby, Oliver, E. A. Wilhelm, and H. L. Brink, assignors to American Hoist & Derrick Co., St. Paul, Minn. Grapple. No. 1,093,832; Apr. 21; Gaz. vol. 201; p. 658.
- Crosby, Oliver, H. L. Brink, and E. A. Wilhelm, assignors to American Hoist & Derrick Co., St. Paul, Minn. Grapple. No. 1,093,833; Apr. 21; Gaz. vol. 201; p. 658.
- Crosby, Oliver, E. A. Wilhelm, and H. L. Brink, assignors to American Hoist & Derrick Co., St. Paul, Minn. Grapple. No. 1,093,834; Apr. 21; Gaz. vol. 201; p. 659.
- Crosby, Richard M., Tacoma, Wash. Spark-arrester. No. 1,108,710; Aug. 25; Gaz. vol. 205; p. 1231.
- Crosby, Robert E. L., Jonesboro, Ark. Wheel for automobiles, &c. No. 1,093,115; Apr. 14; Gaz. vol. 201; p. 375.
- Crosby, Thomas E., Boston, Mass. Floor connection. No. 1,090,517; Mar. 17; Gaz. vol. 200; p. 726.
- Crosby, Thomas E., Allston, Mass. Floor connection. No. 1,112,360; Sept. 29; Gaz. vol. 206; p. 1388.
- Crosby Steam Gage & Valve Company. (See Cook, John J., assignor.)
- Crosby Steam Gage & Valve Company. (See Phillips, Arthur P., assignor.)
- Crosby, William C., Orange Springs, Fla. Railway construction. No. 1,099,844; June 9; Gaz. vol. 203; p. 547.
- Crosland, Delevante W., Newark, Cal. Roller-bearing. No. 1,096,528; May 12; Gaz. vol. 202; p. 497.
- Cross, Andrew B., Denver, Colo. Combined beet puller and topper. No. 1,108,341; Aug. 25; Gaz. vol. 205; p. 1104.
- Cross, Andrew J., New York, N. Y. Bifocal lens. No. 1,102,008; June 30; Gaz. vol. 203; p. 1439.
- Cross, Andrew J., New York, N. Y. Multiple-focus lens. No. 1,106,629; Aug. 11; Gaz. vol. 205; p. 410.
- Cross, Frank L., Madison, Wis. Gas-regulator for mixing-chambers. No. 1,092,204; Apr. 7; Gaz. vol. 201; p. 28.
- Cross, Frank L., Wollaston, Mass., assignor to Cross Paper Feeder Company. Paper-feeding machine. No. 1,109,902; Sept. 8; Gaz. vol. 206; p. 410.
- Cross, Frank L., Wollaston, Mass., assignor to Cross Paper Feeder Company. Sheet-feeding machine. No. 1,113,200; Oct. 13; Gaz. vol. 207; p. 316.
- Cross, George D. (See Lincoln, August V., assignor.)
- Cross, John A., Westwood, N. J. Spring door-closer. No. 1,094,306; Apr. 21; Gaz. vol. 201; p. 814.
- Cross, Noah C., Buford, Ga. Combined planter and fertilizer-distributor. No. 1,090,284; Mar. 17; Gaz. vol. 200; p. 642.

Alphabetical list of patentees—Continued.

- Cross Paper Feeder Company. (See Cross, Frank L., assignor.)
- Cross, William G., Seneca Falls, N. Y. Machine for printing rulers. No. 1,110,112; Sept. 8; Gaz. vol. 206; p. 487.
- Cross, William G., Seneca Falls, N. Y. Coating-machine. No. 1,117,341; Nov. 17; Gaz. vol. 208; p. 734.
- Crossett, Barbara C. (See Crossett, Francis M., assignor.)
- Crossett, Francis M., assignor of one-half to B. C. Crossett, Verona, N. Y. Non-refillable bottle. No. 1,087,729; Feb. 17; Gaz. vol. 199; p. 846.
- Crossley, James S., assignor to Pass & Seymour, Inc., Solvay, N. Y. Receptacle and conductor for electric lighting. No. 1,086,350; Feb. 10; Gaz. vol. 199; p. 315.
- Crossley, William H., Lewiston, Idaho. Doubletree. No. 1,106,549; Aug. 11; Gaz. vol. 205; p. 381.
- Crothers, Noble E., Chicago, Ill. Internal-combustion engine. No. 1,104,968; July 28; Gaz. vol. 204; p. 1089.
- Crouan, Henry M. L., Asnières, France. Carbureter. No. 1,106,192; Aug. 4; Gaz. vol. 205; p. 212.
- Crouch, Albert W., assignor to Milwaukee Yacht & Boat Company, Milwaukee, Wis. Boat-seat. No. 1,113,313; Oct. 13; Gaz. vol. 207; p. 357.
- Crouch, Emmet L., *et al.* (See Garland, John G., assignor.)
- Crouch, Frank J., Portland, Oreg. Bed. No. 1,088,970; Mar. 3; Gaz. vol. 200; p. 102.
- Crouch, Frank J., and H. Stutsman, Portland, Oreg. Explosive-engine. No. 1,093,317; Apr. 14; Gaz. vol. 201; p. 446.
- Crouch, Frank J., and S. B. Cooke, Portland, Oreg. Swinging leg for beds. No. 1,104,249; July 21; Gaz. vol. 204; p. 790.
- Crouch, Howison, Grass Valley, Cal. Drill-puller. No. 1,117,554; Nov. 17; Gaz. vol. 208; p. 807.
- Crouch, Thomas E., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Knob-shank fastener. No. 1,084,316; Jan. 13; Gaz. vol. 198; p. 382.
- Crouse, Beecher M. (See Hogan, Morgan, assignor.)
- Crouse, David E., Annapolis, assignor to The Auto Air Appliance Company, Baltimore, Md. Starting device for internal-combustion engines. No. 1,090,600; Mar. 17; Gaz. vol. 200; p. 755.
- Crouse, David E., C. G. Eidson, Annapolis, Md., and T. Davis, Wilkensburg, Pa., assignors to The Auto Air Appliance Company, Baltimore, Md. Combined air compressor and motor. No. 1,105,494; July 28; Gaz. vol. 204; p. 1274.
- Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
- Crouse-Hinds Company. (See Bissell and Vieau, assignors.)
- Crouse-Hinds Company. (See Dossert and Smith, assignors.)
- Crouse-Hinds Company. (See Greaves, Edwin E., assignor.)
- Crouse-Hinds Company. (See Hinds and Dossert, assignors.)
- Crouse-Hinds Company. (See Olley, Raymond H., assignor.)
- Crouse-Hinds Company. (See Smith and Dossert, assignors.)
- Crouse-Hinds Company. (See Van Ranst and Havens, assignors.)
- Crout, Lewis B., assignor of one-half to R. L. Connor, Ogden, Utah. Flue-stop. No. 1,110,113; Sept. 8; Gaz. vol. 206; p. 488.
- Crouthamel, Howard. (See Dunahugh and Crouthamel.)
- Crow, Elmer Z., Birmingham, Ala. Vehicle-wheel. No. 1,088,326; Feb. 24; Gaz. vol. 199; p. 1097.
- Crow, Rufus A., Kirksville, Mo. Railway-tie. No. 1,097,394; May 19; Gaz. vol. 202; p. 841.
- Crowder, Clarence A., Burlington, Iowa. Gaseous-fuel heater. No. 1,102,478; July 7; Gaz. vol. 204; p. 90.
- Crowe, Alexander, and R. W. Kidston, Youngstown, Ohio. Armored resilient tire. No. 1,094,307; Apr. 21; Gaz. vol. 201; p. 814.
- Crowe, Paul L., Jersey City, N. J. Furnace-setting. No. 1,090,285; Mar. 17; Gaz. vol. 200; p. 643.
- Crowe, Paul L., and A. Frankenheim, New York, N. Y. Chain-grate. No. 1,115,904; Nov. 3; Gaz. vol. 208; p. 149.
- Crowe, Paul L., and A. Frankenheim, New York, N. Y. Sprocket. No. 1,123,177; Dec. 29; Gaz. vol. 209; p. 1649.
- Crowe, Thomas. (See Sharples and Crowe.)
- Crowe, Thomas B., assignor to Portland Gold Mining Company, Colorado Springs, Colo. Crushing-roll. No. 1,090,601; Mar. 17; Gaz. vol. 200; p. 755.
- Crowe, Thomas J., Dallas, Tex. Spring-wheel. No. 1,094,308; Apr. 21; Gaz. vol. 201; p. 815.
- Crowell, Charles H., Swampscott, Mass. Moistening-machine. No. 1,095,142; Apr. 28; Gaz. vol. 201; p. 1165.
- Crowell, Charles H., Swampscott, Mass. Moistening attachment for corner-staying machines. No. 1,110,380; Sept. 15; Gaz. vol. 206; p. 621.
- Crowell, Charles W., Salisbury, N. C. Steam-boiler. No. 1,115,787; Nov. 3; Gaz. vol. 208; p. 107.
- Crowell, Clifford, Monterey, Mexico. Pulverizing-mill. No. 1,091,042; Mar. 24; Gaz. vol. 200; p. 935.
- Crowell, John H., Vineyard Haven, Mass. Poultry automatic mash-feeder. No. 1,090,286; Mar. 17; Gaz. vol. 200; p. 643.
- Crowell, John H., Vineyard Haven, Mass. Poultry scratch grain-feeder. No. 1,105,885; Aug. 4; Gaz. vol. 205; p. 104.
- Crowell, Lincoln, Boston, Mass. Position-locating instrument. No. 1,096,492; May 12; Gaz. vol. 202; p. 485.
- Crowell, William A., Dartmouth, Nova Scotia, Canada. Rail-fastening. No. 1,109,046; Sept. 1; Gaz. vol. 206; p. 67.
- Crowl, Charles. (See Ward and Crowl.)
- Crowl, Isaac W. (See Sutton, Crowl, and Hamberg.)
- Crowley, Clair A., *et al.* (See Block, Abraham, assignor.)
- Crowley, Edwin, Minneapolis, Minn. Gate-latch. No. 1,099,489; June 9; Gaz. vol. 203; p. 427.
- Crowley, Edwin, Minneapolis, Minn. Gate-spring. No. 1,099,490; June 9; Gaz. vol. 203; p. 428.
- Crowley, James W. (See Powers, Harvey, and Crowley.)
- Crowley, John C., Toledo, Ohio. Window-lock. No. 1,092,825; Apr. 14; Gaz. vol. 201; p. 276.
- Crowley, John T., assignor to The Beacon Falls Rubber Shoe Company, Beacon Falls, Conn. Apparatus for and process of the manufacture of rubber footwear. No. 1,122,078; Dec. 22; Gaz. vol. 209; p. 1227.
- Crowley, John T., assignor to The Beacon Falls Rubber Shoe Company, Beacon Falls, Conn. Vulcanizing apparatus. No. 1,122,695; Dec. 29; Gaz. vol. 209; p. 1479.
- Crowley, Robert E., Galion, Ohio. Railway-ticket. No. 1,111,298; Sept. 22; Gaz. vol. 206; p. 986.
- Crowley, Timothy J., Long Island City, N. Y. Knee-protector. No. 1,117,168; Nov. 17; Gaz. vol. 208; p. 670.
- Crown Columbia Paper Company. (See Lewthwaite and Morden, assignors.)
- Crown Cork and Seal Co., The. (See Bailey, William, assignor.)
- Crown Cork & Seal Co., The. (See Carper, Albert A., assignor.)
- Crown Cork and Seal Co., The. (See Taylor, Samuel W., assignor.)
- Crown Cork & Seal Company of Baltimore City, The. (See Garman, Lauritz C., assignor.)
- Crown Hardware Manufacturing Company, The. (See Hartzell, Forest H., assignor.)
- Crown, Harold L., *et al.* (See Lavo, Edward A., assignor.)
- Crown, Jacob P., Redwood City, Cal. Safety-sleeve for hinges and the like. No. 1,105,186; July 28; Gaz. vol. 204; p. 1164.
- Crownfield, David, Cambridge, Mass. Wall or ceiling fixture for lights. No. 1,112,197; Sept. 29; Gaz. vol. 206; p. 1332.
- Crowther, Dudley, and N. C. Hardy, Great Falls, Mont. Type-writing machine. No. 1,091,122; Mar. 24; Gaz. vol. 200; p. 962.
- Crowther, Raymond E., Carlisle, England. Photographic sensitive plate and the like. No. 1,109,514; Sept. 1; Gaz. vol. 206; p. 230.
- Crowthers, James V., Philadelphia, Pa. Aeroplane. No. 1,098,098; May 26; Gaz. vol. 202; p. 1132.
- Crozer, James G., Cedar Rapids, Iowa. Reversible self-cleaning rake. No. 1,105,495; July 28; Gaz. vol. 204; p. 1275.
- Crozier, Thomas W., Christiansburg, Va. Nut-locking washer. No. 1,099,027; June 2; Gaz. vol. 203; p. 225.
- Crucible Steel Company. (See French and Stephenson, assignors.)
- Crucible Steel Company of America. (See Sargent and Weitzenkorn, assignors.)
- Crucible Steel Company of America. (See Soden, Alfred J., assignor.)
- Cruden, John J., Blanchard, N. D. Drag rake or fork. No. 1,092,693; Apr. 7; Gaz. vol. 201; p. 195.
- Cruess, James, Moberly, Mo. Mud-guard. No. 1,108,833; Aug. 25; Gaz. vol. 205; p. 1273.
- Cruikshank, Arthur B., London, England. Portable trousers press and stretcher. No. 1,106,550; Aug. 11; Gaz. vol. 205; p. 381.
- Cruikshank, Arthur B., London, England. Heat-distributor for cooking utensils. No. 1,109,323; Sept. 1; Gaz. vol. 206; p. 166.
- Cruikshank, James W., Pittsburgh, Pa. Apparatus for delivering abrasive material. No. 1,089,909; Mar. 10; Gaz. vol. 200; p. 472.
- Crum, Archie E., Mobile, Ala. Valve. No. 1,087,730; Feb. 17; Gaz. vol. 199; p. 847.
- Crum, Hollis B., Chicago, Ill., assignor to R. C. Penfield, New York, N. Y. Gravity-conveyer. No. 1,089,537; Mar. 10; Gaz. vol. 200; p. 345.
- Crum, Hollis B., assignor to R. C. Penfield, Chicago, Ill. Transfer-car for unit brick-stacks. No. 1,119,685; Dec. 1; Gaz. vol. 209; p. 270.
- Crum, Hollis B., Chicago, Ill., assignor to R. C. Penfield, New York, N. Y. Brick-lifting truck. No. 1,121,982; Dec. 22; Gaz. vol. 209; p. 1194.
- Crumb, Edward S., Charlestown, R. I. Clothes-fastening device. No. 1,088,545; Feb. 24; Gaz. vol. 199; p. 1168.
- Crumbaugh, George P., assignor of one-half to E. W. Grove, St. Louis, Mo. Lath. No. 1,090,689; Mar. 17; Gaz. vol. 200; p. 783.
- Crumbaugh, George P., assignor of one-half to E. W. Grove, St. Louis, Mo. Metal lath. No. 1,090,690; Mar. 17; Gaz. vol. 200; p. 783.

Alphabetical list of patentees—Continued.

- Crumbaugh, George P., assignor of one-half to E. W. Grove, St. Louis, Mo. Building tile or block. No. 1,090,691; Mar. 17; Gaz. vol. 200; p. 783.
- Crumbaugh, George P., assignor of one-half to E. W. Grove, St. Louis, Mo. Lath. No. 1,107,906; Aug. 18; Gaz. vol. 205; p. 903.
- Crumbaugh, George P., assignor of one-half to E. W. Grove, St. Louis, Mo. Veneer lath. No. 1,107,907; Aug. 18; Gaz. vol. 205; p. 903.
- Crume, John J., Amarillo, Tex. Churning-machine. No. 1,092,694; Apr. 7; Gaz. vol. 201; p. 195.
- Crump, Charles R., and L. J. Davis, Chicago Junction, Ohio. Metallic rod-packing. No. 1,089,114; Mar. 3; Gaz. vol. 200; p. 151.
- Crump, Edward B. (See James and Crump.)
- Crump, Frank H., Los Angeles, Cal. Bookbinding. No. 1,093,835; Apr. 21; Gaz. vol. 201; p. 659.
- Crump, Minnie, Pineville, Ky. Cake-mixer. No. 1,103,271; July 14; Gaz. vol. 204; p. 413.
- Crumpton, William J., Superior, Wis., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Accounting device. No. 1,084,611; Jan. 20; Gaz. vol. 198; p. 506.
- Crumpton, William J., Evanston, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Automatic accounting system. No. 1,084,612; Jan. 20; Gaz. vol. 198; p. 506.
- Crumpton, William J., Evanston, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Accounting system. No. 1,084,613; Jan. 20; Gaz. vol. 198; p. 507.
- Crumpton, William J., Evanston, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Accounting system. No. 1,084,614; Jan. 20; Gaz. vol. 198; p. 507.
- Crumpton, William J., Evanston, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Accounting system. No. 1,084,615; Jan. 20; Gaz. vol. 198; p. 508.
- Crumpton, William J., Evanston, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Accounting system. No. 1,088,327; Feb. 24; Gaz. vol. 199; p. 1097.
- Crumpton, William J., Evanston, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Accounting system. No. 1,106,284; Aug. 4; Gaz. vol. 205; p. 240.
- Crumrine, Charles L., assignor of one-half to L. Rancho, Whittier, Cal. Fruit-package. No. 1,099,281; June 9; Gaz. vol. 203; p. 355.
- Crumrine, Henry C., Cleveland, Ohio. Signaling mechanism. No. 1,106,441; Aug. 11; Gaz. vol. 205; p. 339.
- Cruse, Amandus H., assignor, by mesne assignments, to R. Hoe and Co., New York, N. Y. Casting-box. No. 1,117,980; Nov. 24; Gaz. vol. 208; p. 996.
- Cruse & Co., Dr. Hans. (See Brauer, Max, assignor.)
- Cruser, Frederick V., Barberton, and W. Green, Akron, Ohio, assignors to The Diamond Match Company, Chicago, Ill. Match-testing machine. No. 1,122,576; Dec. 29; Gaz. vol. 209; p. 1435.
- Cruser, Van Dyke, and A. Rosenblum, Brooklyn, N. Y. Umbrella. No. 1,112,774; Oct. 6; Gaz. vol. 207; p. 128.
- Crusius, Georg, Gross-Ilse, Germany. Briqueting iron ores and the like. No. 1,116,024; Nov. 3; Gaz. vol. 208; p. 191.
- Crusius, Jacob W., Paulding, Ohio. Soft-tread tire. No. 1,099,282; June 9; Gaz. vol. 203; p. 355.
- Crutcher, Wilford H., and G. C. Davis, Ingleside, Nebr. Glass irrigator. No. 1,113,757; Oct. 13; Gaz. vol. 207; p. 513.
- Crutcher, William J., Holden, W. Va. Rug-holder. No. 1,112,775; Oct. 6; Gaz. vol. 207; p. 128.
- Cruttenden, James A., Ramirena, Tex. Fly-trap. No. 1,108,711; Aug. 25; Gaz. vol. 205; p. 1232.
- Cruver, Curtis L. (See Peters and Cruver.)
- Cruver, Curtis L., Chicago, Ill. Toy. No. 1,089,694; Mar. 10; Gaz. vol. 200; p. 398.
- Cruver, Curtis L., Chicago, Ill. Sounding toy. No. 1,110,114; Sept. 8; Gaz. vol. 206; p. 488.
- Cruver, Curtis L., Chicago, Ill. Device for killing insects. No. 1,110,312; Sept. 15; Gaz. vol. 206; p. 596.
- Cruver, Curtis L., and W. A. Peters, Chicago, Ill. Musical toy. No. 1,109,903; Sept. 8; Gaz. vol. 206; p. 411.
- Cryder, Howard M., St. Louis, Mo. Railway-tie. No. 1,101,063; June 23; Gaz. vol. 203; p. 1061.
- Csanyi, Henry, assignor to Maxivolt Primary Battery Co., New York, N. Y. Electric lamp. No. 1,102,009; June 30; Gaz. vol. 203; p. 1439.
- Csanyi, Henry, assignor to Maxivolt Primary Battery Co., New York, N. Y. Primary battery. No. 1,102,010; June 30; Gaz. vol. 203; p. 1440.
- Cseh, Andras, South Norwalk, Conn. Dumping-receptacle for dirt, rubbish, and other refuse. No. 1,115,403; Oct. 27; Gaz. vol. 207; p. 1183.
- Csema, Frank. (See Pastor, Frank, assignor.)
- Csicsmann, Anthony. (See Patus and Csicsmann.)
- Csizar, Andras, Duquesne, Pa. Rat-trap. No. 1,120,451; Dec. 8; Gaz. vol. 209; p. 574.
- Cubberley, William P. (See Reeves, Clifton, assignor.)
- Cubbison, Jacob H., Lawrenceville, Ill. Grapple. No. 1,096,288; May 12; Gaz. vol. 202; p. 417.
- Cubelic, Ludwig, Charlottenburg, Germany, assignor to General Electric Company. Attachment of turbine-blades. No. 1,085,325; Jan. 27; Gaz. vol. 198; p. 788.
- Cubelic, Ludwig, Charlottenburg, Germany, assignor to General Electric Company. Governing mechanism for turbines. No. 1,093,116; Apr. 14; Gaz. vol. 201; p. 376.
- Cubelic, Ludwig, Charlottenburg, Germany, assignor to General Electric Company. Steam-controlling apparatus. No. 1,093,917; Apr. 21; Gaz. vol. 201; p. 686.
- Cubelic, Ludwig, Charlottenburg, Germany, assignor to General Electric Company. Regulating low-pressure turbines. No. 1,093,918; Apr. 21; Gaz. vol. 201; p. 687.
- Cubitt, Archibald S., Schenectady, N. Y., assignor to General Electric Company. Automatic regulator for electric circuits. No. 1,121,983; Dec. 22; Gaz. vol. 209; p. 1195.
- Cucinotta, Francesco, New York, N. Y. Sporting-shoe. No. 1,088,328; Feb. 24; Gaz. vol. 199; p. 1098.
- Cuddy, Thomas H., Winnipeg, Manitoba, Canada. Steering device for traction-engines. No. 1,114,586; Oct. 20; Gaz. vol. 207; p. 844.
- Cudell, Frank E., Cleveland, Ohio. Means for pouring metal into core-molds. No. 1,103,039; July 14; Gaz. vol. 204; p. 331.
- Cuellas, Peter. (See Laborda, Richard, assignor.)
- Cuff, William H., Braintree, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Gage. No. 1,092,899; Apr. 14; Gaz. vol. 201; p. 301.
- Cugley, George, assignor to The Buckeye Incubator Company, Springfield, Ohio. Heater. No. 1,111,137; Sept. 22; Gaz. vol. 206; p. 930.
- Cugley, George, assignor to The Buckeye Incubator Company, Springfield, Ohio. Thermostat. No. 1,111,138; Sept. 22; Gaz. vol. 206; p. 930.
- Cuhley, S. R., et al. (See Reynolds, Henry B., assignor.)
- Culbertson, Esta F., assignor of one-half to A. Christie, Seattle, Wash. Hasp-fastener. No. 1,105,886; Aug. 4; Gaz. vol. 205; p. 104.
- Cullen, Ernest E., assignor, by mesne assignments, to A. M. Beebe, Detroit, Mich. Fly-trap. No. 1,089,399; Mar. 10; Gaz. vol. 200; p. 293.
- Cullen, Ernest E., assignor of one-half to B. E. Oscar, Detroit, Mich. Water-closet seat for infants. No. 1,122,258; Dec. 29; Gaz. vol. 209; p. 1328.
- Cullen, Gilbert, Leland, Ill. End-gate. No. 1,097,395; May 19; Gaz. vol. 202; p. 842.
- Cullen, Michael J. (See Haughey, Michael, assignor.)
- Culley, Harry D., assignor to Automatic Machinery Company, Terre Haute, Ind. Automatic feeder for bottle filling, capping, and labeling machines. No. 1,087,909; Feb. 17; Gaz. vol. 199; p. 905.
- Culli, Theodore, Mascoutah, Ill. Combined corn-cutter and shock-mover. No. 1,111,951; Sept. 29; Gaz. vol. 206; p. 1248.
- Culligan, John C., Richville, N. Y. Trace-holder. No. 1,123,106; Dec. 29; Gaz. vol. 209; p. 1622.
- Culliney, John V., Lebanon, Pa. Manufacturing nuts. No. 1,116,678; Nov. 10; Gaz. vol. 208; p. 462.
- Cullison, Elmer E., Altoona, Pa. Flue-expander. No. 1,114,865; Oct. 27; Gaz. vol. 207; p. 995.
- Cullmer, Harry R., Woodhaven, N. Y. Base-ball game. No. 1,086,279; Feb. 3; Gaz. vol. 199; p. 245.
- Cullom, George A., St. Louis, Mo. Carton-sealing machine. No. 1,118,475; Nov. 24; Gaz. vol. 208; p. 1171.
- Culp, Alpha B., Wakarusa, Ind. Mowing apparatus. No. 1,121,984; Dec. 22; Gaz. vol. 209; p. 1195.
- Culp, J. Stanford, Elkhart, Ind. Spring-wheel. No. 1,111,883; Sept. 29; Gaz. vol. 206; p. 1227.
- Culp, John W., South Bend, Ind. Card game. No. 1,111,882; Sept. 29; Gaz. vol. 206; p. 1227.
- Culuris, Anthony, Los Angeles, Cal. Machine for cutting and forming plastic material. No. 1,118,334; Nov. 24; Gaz. vol. 208; p. 1119.
- Culver, Albert V., assignor to V. C. Alexander, Frankfort, Ind. Stove-leg caster. No. 1,092,808; Apr. 7; Gaz. vol. 201; p. 235.
- Culver, Arthur C., and A. W. Russel, assignors to Russel Motor Axle Company, Detroit, Mich. Vehicle-brake. No. 1,092,342; Apr. 7; Gaz. vol. 201; p. 76.
- Culver, Frederick S., Taunton, Mass. Thread-board-guide-wire holder. No. 1,114,341; Oct. 20; Gaz. vol. 207; p. 757.
- Culverwell, Joseph F. (See Julihn and Culverwell.)
- Cumberland, Robert W., Baltimore, assignor of one-half to W. M. Mueller, Highlandtown, Md. Liquid-cooling apparatus. No. 1,098,343; May 26; Gaz. vol. 202; p. 1216.
- Cumfer, Harry A., assignor to Guyton & Cumfer Manufacturing Company, Chicago, Ill. Sheet splitting and cutting machine. No. 1,107,762; Aug. 18; Gaz. vol. 205; p. 855.
- Cuming, Mari A., New York, N. Y. Hat-press. No. 1,095,456; May 5; Gaz. vol. 202; p. 97.
- Cuming, Mari A., Brooklyn, N. Y. Hat-press. No. 1,096,003; May 5; Gaz. vol. 202; p. 281.
- Cummings, Cora N., Bridgeport, Conn. Hypodermic-solution holder. No. 1,100,010; June 16; Gaz. vol. 203; p. 643.
- Cummings, Edgar C., Waterloo, Iowa. Mixing-machine. No. 1,096,098; May 12; Gaz. vol. 202; p. 350.

Alphabetical list of patentees—Continued.

- Cummings, Edgar C., Waterloo, Iowa. Concrete-mixer. No. 1,096,154; May 12; Gaz. vol. 202; p. 369.
- Cummings, Henry H., Newton Highlands, Mass. Navigator's speed-indicator ships' logs. No. 1,083,597; Jan. 6; Gaz. vol. 198; p. 112.
- Cummings, Henry H., Newton, Mass. Engine-log for vessels. No. 1,109,665; Sept. 8; Gaz. vol. 206; p. 325.
- Cummings, Henry H., Newton Highlands, Mass., assignor of one-half to H. R. Gary, Alexandria, Va. Apparatus for measuring the twist of shafts. No. 1,100,691; June 16; Gaz. vol. 203; p. 874.
- Cummings, James N., Lyerly, Ga. Forging-machine. No. 1,100,227; June 16; Gaz. vol. 203; p. 718.
- Cummings, John A., Bangor, Me. Potato-cutter. No. 1,118,923; Dec. 1; Gaz. vol. 209; p. 6.
- Cummings, John S., Charlotte, assignor to Defender Photo Supply Company, Rochester, N. Y. Box. No. 1,101,907; June 30; Gaz. vol. 203; p. 1402.
- Cummings, Robert A., Pittsburgh, Pa. Reinforcement for piles, columns, girders, &c. No. 1,096,685; May 12; Gaz. vol. 202; p. 550.
- Cummings, Roy W., and I. Kirby, Los Angeles, Cal. Automatic valve. No. 1,087,108; Feb. 17; Gaz. vol. 199; p. 627.
- Cummings, Thomas G., Fargo, N. D., assignor of one-half to P. Grant, Grand Rapids, Mich. Automatic nailing-machine. No. 1,109,739; Sept. 8; Gaz. vol. 206; p. 353.
- Cummings, Thomas K., Fort Cobb, Okla. Grain-thresher. No. 1,098,560; June 2; Gaz. vol. 203; p. 72.
- Cummings, William C. (See Anderson, Bailey, and Cummings.)
- Cummins, Arthur E., Hampstead, assignor of one-half to R. Bridge, Manchester, England. Apparatus for enabling samples to be taken from bales. No. 1,105,759; Aug. 4; Gaz. vol. 205; p. 61.
- Cummins, Cortland, Dayton, Ohio. Automatic corn and grain weigher. No. 1,122,482; Dec. 29; Gaz. vol. 209; p. 1402.
- Cummins, David W. (See Thompson, Knight H., assignor.)
- Cummins, Herbert L., assignor of one-sixth to C. S. Chandler, one-sixth to B. L. Quayle, and one-third to H. M. Fulmer, East Ely, Nev. Internal-combustion motor. No. 1,095,190; May 5; Gaz. vol. 202; p. 5.
- Cummins, James A., assignor to Turner, Day & Woolworth Handle Company, Louisville, Ky. Shaping-machine. No. 1,113,201; Oct. 13; Gaz. vol. 207; p. 316.
- Cummins, Norman W., assignor to The Burns & Bassick Company, Bridgeport, Conn. Grease-cup. No. 1,086,030; Feb. 3; Gaz. vol. 199; p. 162.
- Cummins, Norman W., assignor to The Burns & Bassick Company, Bridgeport, Conn. Grease-cup. No. 1,086,702; Feb. 10; Gaz. vol. 199; p. 437.
- Cummins, Norman W., assignor to The Burns & Bassick Company, Bridgeport, Conn. Grease-cup. No. 1,088,770; Mar. 3; Gaz. vol. 200; p. 33.
- Cummiskey, William M. (See Gurney and Cummiskey.)
- Cummiskey, William M., assignor, by mesne assignments, to Gurney Electric Elevator Company, Honesdale, Pa. Motor control. No. 1,122,259; Dec. 29; Gaz. vol. 209; p. 1329.
- Commons, Clarence B., Plainview, Tex. Horse-detacher. No. 1,098,229; May 26; Gaz. vol. 202; p. 1176.
- Cumner, Matthew S., New York, N. Y. Clamp. No. 1,114,970; Oct. 27; Gaz. vol. 207; p. 1032.
- Cunard, George H., Iron River, Mich. Shears. No. 1,115,404; Oct. 27; Gaz. vol. 207; p. 1183.
- Cunha, Frank J., Hayward, Cal. Fruit-slicing machine. No. 1,102,011; June 30; Gaz. vol. 203; p. 1440.
- Cunneen, Peter, New Rochelle, N. Y. Fountain-scrubber. No. 1,122,079; Dec. 22; Gaz. vol. 209; p. 1228.
- Cunniff, John V., R. E. Williams, and J. E. Healy, Fall River, Mass. Flushing apparatus for toilet-bowls. No. 1,110,044; Sept. 8; Gaz. vol. 206; p. 461.
- Cunning, James, Indianapolis, Ind. Refrigerator-car. No. 1,088,130; Feb. 24; Gaz. vol. 199; p. 1030.
- Cunning, Willis E., assignor to The West End Pottery Company, East Liverpool, Ohio. Bed and douche pan. No. 1,085,549; Jan. 27; Gaz. vol. 198; p. 861.
- Cunningham, Clinton W., Baltimore, Md., assignor to Kingan & Company, Limited, Indianapolis, Ind. Meat-skipping machine. No. 1,111,952; Sept. 29; Gaz. vol. 206; p. 1248.
- Cunningham, Clinton W., Baltimore, Md., assignor to Kingan & Company, Limited, Indianapolis, Ind. Clamp-operating device for meat-skipping machines. No. 1,111,953; Sept. 29; Gaz. vol. 206; p. 1248.
- Cunningham, Edward A., Philadelphia, Pa. Carbon-dioxide gage. No. 1,111,565; Sept. 22; Gaz. vol. 206; p. 1077.
- Cunningham, Ernest A., assignor of one-half to J. F. Hamilton, Oskaloosa, Iowa. Internal-combustion engine. No. 1,094,779; Apr. 28; Gaz. vol. 201; p. 1041.
- Cunningham, Harvy B., St. Paul, Minn. Fire-protector for moving-picture-machine magazines. No. 1,090,287; Mar. 17; Gaz. vol. 200; p. 644.
- Cunningham, Hugh, Corona, Ala. Combined cotton chopper and cultivator. No. 1,088,546; Feb. 24; Gaz. vol. 199; p. 1168.
- Cunningham, Ira, and H. Flowers, Grand Saline, Tex. Wrench. No. 1,092,695; Apr. 7; Gaz. vol. 201; p. 196.
- Cunningham, James, Riverton, N. J., and W. H. Horner, New York, N. Y., assignors to American Telephone and Telegraph Company, Boston, Mass. Connection for coils and cables. No. 1,103,130; July 14; Gaz. vol. 204; p. 364.
- Cunningham, James A., San Marcial, N. Mex. Street-sweeping machine. No. 1,088,651; Feb. 24; Gaz. vol. 199; p. 1203.
- Cunningham, John F., Springfield, Mo. Hot-water heating apparatus. No. 1,084,135; Jan. 13; Gaz. vol. 198; p. 321.
- Cunningham, John F., Springfield, Mo. Safety attachment for water-heating apparatus. No. 1,089,624; Mar. 10; Gaz. vol. 200; p. 374.
- Cunningham, Matthew G., Corsicana, Tex. Cotton-picker. No. 1,107,908; Aug. 18; Gaz. vol. 205; p. 904.
- Cunningham, Richard H., New York, N. Y., assignor to Splitdorf Electrical Company, Newark, N. J. Magneto-electric generator. No. 1,098,431; June 2; Gaz. vol. 203; p. 26.
- Cunningham, William J., assignor of one-half to F. G. Meyer, Toledo, Ohio. Electrical sparking device. No. 1,093,318; Apr. 14; Gaz. vol. 201; p. 446.
- Cunnius, Alfred R., Brooklyn, N. Y., assignor of one-half to L. Kaiser, East Orange, N. J. Manufacturing horns. No. 1,112,686; Oct. 6; Gaz. vol. 207; p. 99.
- Cuntz, Johannes H., Hoboken, N. J. Electric cable. No. 1,119,246; Dec. 1; Gaz. vol. 209; p. 120.
- Cuppel, Charles M., Milwaukee, Wis. Sanitary pump. No. 1,096,686; May 12; Gaz. vol. 202; p. 550.
- Cupples, John, Bayonne, N. J. Portable bag-holder. No. 1,107,590; Aug. 18; Gaz. vol. 205; p. 794.
- Curd, Frederick W. (See Picken, Archibald, assignor.)
- Curl, Fred H., Long Beach, Cal. Means for casting finger-rings. No. 1,115,905; Nov. 3; Gaz. vol. 208; p. 149.
- Curle, Charles W. (See White and Curle.)
- Curley, John H., Brockton, Mass. Hoof-pad. No. 1,100,670; June 16; Gaz. vol. 203; p. 867.
- Curley, John I., and W. J. Price, Holyoke, Mass. Feeding apparatus. No. 1,115,906; Nov. 3; Gaz. vol. 208; p. 149.
- Curley, Joseph J., New York, N. Y. Tennis-racket. No. 1,094,705; Apr. 28; Gaz. vol. 201; p. 1015.
- Curley, Robert S., and J. Moss, Newton, assignors to Saco-Lowell Shops, Boston, Mass. Evener. No. 1,102,726; July 7; Gaz. vol. 204; p. 176.
- Curley, Robert S., and J. Moss, Newton, assignors to Saco-Lowell Shops, Boston, Mass. Fiber-feeding mechanism. No. 1,122,867; Dec. 29; Gaz. vol. 209; p. 1539.
- Curnow, John T., Palatka, Mich. Drill. No. 1,095,085; Apr. 28; Gaz. vol. 201; p. 1145.
- Curnow, John T., assignor of one-half to A. Giesen, Palatka, Mich. Rock-drill. No. 1,102,012; June 30; Gaz. vol. 203; p. 1441.
- Curnutt, Elmer, Garnett, Kans. Bale-tying mechanism for baling-presses. No. 1,091,296; Mar. 24; Gaz. vol. 200; p. 1021.
- Curragh, John M. (See Budlong, Frank M., assignor.)
- Curran, Edmund, assignor, by mesne assignments, to National Machinery Corporation, Boston, Mass. Lacing-hook-setting machine. No. 1,121,327; Dec. 15; Gaz. vol. 209; p. 928.
- Curran, Edward, Cardiff, Wales. Muffle-furnace. No. 1,114,587; Oct. 20; Gaz. vol. 207; p. 844.
- Curran, John W., Cincinnati, Ohio. Milk-bottle cover. No. 1,107,909; Aug. 18; Gaz. vol. 205; p. 904.
- Currie, Alfred, Delhi, N. Y. Ice-cutting machine. No. 1,104,634; July 21; Gaz. vol. 204; p. 925.
- Currie, Clarence A., Sound Beach, Conn. Aperture-gate. No. 1,112,270; Sept. 29; Gaz. vol. 206; p. 1358.
- Currie, Emerson, Vancouver Heights, British Columbia, Canada. Hammer. No. 1,110,183; Sept. 8; Gaz. vol. 206; p. 514.
- Currie, Otis C., assignor to G. F. Kearney, Detroit, Mich. Paper-roll holder. No. 1,117,342; Nov. 17; Gaz. vol. 208; p. 734.
- Currier, Arthur L., Newton Highlands, assignor to The J. W. Moore Machine Company, Boston, Mass. Button-making machine. No. 1,120,908; Dec. 15; Gaz. vol. 209; p. 784.
- Currier, Frank T., Worcester, Mass. Reaming-machine. No. 1,098,099; May 26; Gaz. vol. 202; p. 1132.
- Currier & Roby. (See Goddard, Fred L., assignor.)
- Curry, Sydney A., Bristol, England. Wheel for use on motor-vehicles. No. 1,117,981; Nov. 24; Gaz. vol. 208; p. 997.
- Curry, Arthur O., San Bernardino, Cal. Fluid-pressure-releasing valve. No. 1,120,452; Dec. 8; Gaz. vol. 209; p. 575.
- Curry, Charles N., assignor of twenty-five one-hundredths to L. Goodrich and twenty-four one-hundredths to C. Evans, Jr., Chicago, Ill. Golf-club. No. 1,083,434; Jan. 6; Gaz. vol. 198; p. 59.
- Curry, Claud D., Memphis, Tenn. Paper-associating machine. No. 1,117,000; Nov. 10; Gaz. vol. 208; p. 574.
- Curry, Edward C., *et al.* (See Geraghty and Naylor, assignors.)
- Curry, Ida F., Seattle, Wash. Garment. No. 1,092,696; Apr. 7; Gaz. vol. 201; p. 196.
- Curry, John P. (See Rohe, Joseph C., assignor.)

Alphabetical list of patentees—Continued.

- Curry, John W., Cincinnati, Ohio. Harness-trace. No. 1,097,214; May 19; Gaz. vol. 202; p. 779.
- Curry, W. F., *et al.* (See Winberg, Anders W., assignor.)
- Curry, William J. (See Hines, Curry, Miskelly, and Marshall.)
- Curtain Supply Company, The. (See Forsyth, William H., assignor. (Reissue.)
- Curtain Supply Company, The. (See Koziell, Francis N., assignor.)
- Curtain Supply Company, The. (See Midgley, Stanley W., assignor.)
- Curtain Supply Company, The. (See Whitmore, Edward E., assignor.)
- Curtain, William W., *et al.* (See Overly and Thompson, assignors.)
- Curtin, David F., Chicago, Ill. Sanitary dish-holder. No. 1,114,122; Oct. 20; Gaz. vol. 207; p. 679.
- Curtis, Charles G., New York, N. Y. Gearing. No. 1,114,234; Oct. 20; Gaz. vol. 207; p. 721.
- Curtis, Charles G., New York, N. Y., assignor, by mesne assignments, to General Electric Company. Rotary compressor, blower, and pump. No. 1,086,754; Feb. 10; Gaz. vol. 199; p. 456.
- Curtis, Charles G., New York, N. Y., assignor, by mesne assignments, to General Electric Company. Elastic-fluid compressor. No. 1,086,755; Feb. 10; Gaz. vol. 199; p. 456.
- Curtis, Charles G., New York, N. Y., assignor, by mesne assignments, to General Electric Company. Elastic-fluid turbine. No. 1,089,115; Mar. 3; Gaz. vol. 200; p. 152.
- Curtis, Charles G., New York, N. Y., and L. D. Lovekin, Philadelphia, Pa. Elastic-fluid turbine. No. 1,106,497; Aug. 11; Gaz. vol. 205; p. 362.
- Curtis, Charles H., Bluffton, Fla. Fly-trap. No. 1,092,697; Apr. 7; Gaz. vol. 201; p. 197.
- Curtis, Clarence R., Glenellyn, Ill. Pump. No. 1,117,982; Nov. 24; Gaz. vol. 208; p. 997.
- Curtis & Company Manufacturing Company. (See Steedman, Edwin H., assignor.)
- Curtis & Curtis Co., The. (See Curtis and Josselyn, assignors.)
- Curtis, David L., South Bend, Ind. Monorail traction system. No. 1,112,599; Oct. 6; Gaz. vol. 207; p. 67.
- Curtis, Ensley. (See Curtis, William W., assignor.)
- Curtis, Frank G., Milwaukee, Wis. Knitted collar for vests and coats. No. 1,105,407; July 28; Gaz. vol. 204; p. 1244.
- Curtis, Frank W., Denver, Colo. Taper-boring bar. No. 1,091,914; Mar. 31; Gaz. vol. 200; p. 1276.
- Curtis, Franklin D. (See Dixon, Henry, assignor.)
- Curtis, Frederic A., assignor to L. G. Butler, Toledo, Ohio. Deflector for oil-burners. No. 1,116,874; Nov. 10; Gaz. vol. 208; p. 530.
- Curtis, Grove D., New York, N. Y. Coal-pocket. No. 1,121,328; Dec. 15; Gaz. vol. 209; p. 929.
- Curtis, Grove D., New York, N. Y. Handling coal. No. 1,122,577; Dec. 29; Gaz. vol. 209; p. 1435.
- Curtis, James, assignor of one-half to A. E. Miller, Sacramento, Cal. Metal railway-tie. No. 1,097,004; May 19; Gaz. vol. 202; p. 702.
- Curtis, John D., assignor to Richardson Manufacturing Company, Worcester, Mass. Manure-spreader. No. 1,087,926; Feb. 24; Gaz. vol. 199; p. 957.
- Curtis, John D., assignor to Richardson Manufacturing Company, Worcester, Mass. Manure-spreader. No. 1,099,845; June 9; Gaz. vol. 203; p. 547.
- Curtis & Jones Co. (See Kelly, William J., assignor.)
- Curtis, Lewis B., and C. E. Josselyn, assignors to The Curtis & Curtis Co., Bridgeport, Conn. Taper-thread-cutting machine. No. 1,115,055; Oct. 27; Gaz. vol. 207; p. 1063.
- Curtis, Logan, Browns, Ill. Halter. No. 1,088,877; Mar. 3; Gaz. vol. 200; p. 70.
- Curtis, Perlle E., Bangor, Me. Electric-light attachment for levels. No. 1,121,329; Dec. 15; Gaz. vol. 209; p. 929.
- Curtis, Walter L., Worcester, Mass., assignor to De Long Hook and Eye Company, Philadelphia, Pa. Eye-feeding mechanism. No. 1,095,191; May 5; Gaz. vol. 202; p. 6.
- Curtis, Walter L., Worcester, Mass., assignor to De Long Hook and Eye Company, Philadelphia, Pa. Gravity feeding device for eyes and similar articles. No. 1,095,192; May 5; Gaz. vol. 202; p. 6.
- Curtis, Walter L., Worcester, Mass., assignor to De Long Hook and Eye Company, Philadelphia, Pa. Eye-feeding device. No. 1,095,193; May 5; Gaz. vol. 202; p. 7.
- Curtis, Walter L., Worcester, Mass., assignor to De Long Hook and Eye Company, Philadelphia, Pa. Hook feeding and arranging machine. No. 1,095,194; May 5; Gaz. vol. 202; p. 7.
- Curtis, Walter L., Worcester, Mass., assignor to De Long Hook and Eye Company, Philadelphia, Pa. Machine for assembling hooks and eyes and attaching them to cards. No. 1,095,457; May 5; Gaz. vol. 202; p. 97.
- Curtis, William J., Philadelphia, Pa. Adjustable support for beds. No. 1,092,698; Apr. 7; Gaz. vol. 201; p. 197.
- Curtis, William W., Kansas City, assignor of one-half to E. Curtis, Independence, Mo. Plowing and pulverizing machine. No. 1,122,368; Dec. 29; Gaz. vol. 209; p. 1364.
- Curtis's and Harvey. (See Hough, Arthur, assignor.)
- Curtiss, Alice P., Batavia, N. Y. Sink-shelf. No. 1,095,312; May 5; Gaz. vol. 202; p. 48.
- Curtiss, Clarence E., assignor of two-thirds to R. B. Kellogg, Grand Rapids, Mich. Hydraulic clutch. No. 1,104,168; July 21; Gaz. vol. 204; p. 763.
- Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Percolator. No. 1,108,712; Aug. 25; Gaz. vol. 205; p. 1232.
- Curtiss, Glenn H., Hammondsport, N. Y. Controlling mechanism for flying-machines and the like. No. 1,085,575; Jan. 27; Gaz. vol. 198; p. 870.
- Curtiss, Glenn H., Hammondsport, N. Y. Flying-machine. No. 1,104,036; July 21; Gaz. vol. 204; p. 717.
- Curtiss, Glenn H., Hammondsport, N. Y. Flying-machine. No. 1,108,490; Aug. 25; Gaz. vol. 205; p. 1156.
- Curtiss, Henry H., New York, N. Y. Method and apparatus for photographing. No. 1,097,120; May 19; Gaz. vol. 202; p. 745.
- Curtner, Oscar H. (See Curtner, Owen S., assignor.)
- Curtner, Owen S., assignor of one-half to O. H. Curtner, St. Paris, Ohio. Feed-governor. No. 1,084,136; Jan. 13; Gaz. vol. 198; p. 322.
- Cusack, Edward C., San Francisco, Cal. Game apparatus. No. 1,109,203; Sept. 1; Gaz. vol. 206; p. 124.
- Cushing, Francis J. (See Halvorsen-Pande, Gustav, assignor.)
- Cushman, Eleanor P., Dodge, Ga. Fastening device for shoe-ornaments. No. 1,120,035; Dec. 8; Gaz. vol. 209; p. 427.
- Cushman, Everett B., assignor to Cushman Motor Works, Lincoln, Nebr. Splash lubricating system. No. 1,099,916; June 16; Gaz. vol. 203; p. 610.
- Cushman Motor Works. (See Cushman, Everett B., assignor.)
- Custer, Arthur E., Salt Lake City, Utah. Placer-mining machine. No. 1,121,985; Dec. 22; Gaz. vol. 209; p. 1195.
- Custer, Edgar A., assignor to The Custer Sandless Casting Company, Philadelphia, Pa. Malleable metal product from cast-iron. No. 1,086,652; Feb. 10; Gaz. vol. 199; p. 420.
- Custer, Edgar A., assignor to The Custer Sandless Casting Company, Philadelphia, Pa. Casting iron in permanent molds. No. 1,097,847; May 26; Gaz. vol. 202; p. 1042.
- Custer, Edgar A., assignor to The Custer Sandless Casting Company, Philadelphia, Pa. Casting iron in permanent molds. No. 1,097,848; May 26; Gaz. vol. 202; p. 1042.
- Custer, Edgar A., assignor to The Custer Sandless Casting Company, Philadelphia, Pa. Permanent metal mold. No. 1,097,849; May 26; Gaz. vol. 202; p. 1043.
- Custer, Edgar A., assignor to The Custer Sandless Casting Company, Philadelphia, Pa. Casting iron in permanent molds. No. 1,104,037; July 21; Gaz. vol. 204; p. 718.
- Custer, Merlin E., Carbonado, Wash. Automatic starting-box. No. 1,103,662; July 14; Gaz. vol. 204; p. 550.
- Custer Sandless Casting Company, The. (See Custer, Edgar A., assignor.)
- Custis, Charles R., Harrison, N. J. Combined washtub and heater. No. 1,105,496; July 28; Gaz. vol. 204; p. 1275.
- Cutler, Asa B. (See Cutler, Frank W. and A. B.)
- Cutler, Clifford A., *et al.* (See Winkler, Frederick G., assignor.)
- Cutler, Clifford A., Buffalo, N. Y. Varnish-kiln. No. 1,105,623; Aug. 4; Gaz. vol. 205; p. 12.
- Cutler, Frank W. and A. B., Hood River, Ore. Fruit-grading apparatus. No. 1,093,836; Apr. 21; Gaz. vol. 201; p. 659.
- Cutler, H. C. (See Trent, Walter E., assignor.)
- Cutler-Hammer Manufacturing Company, The. (See Cutler, Henry H., assignor.)
- Cutler-Hammer Manufacturing Company, The. (See Klein, Charles J., assignor.)
- Cutler-Hammer Manufacturing Company, The. (See Miller, Charles H., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Anderson, Carl J., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Barnum, Thomas E., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Carpenter and Horton, assignors.)
- Cutler-Hammer Mfg. Co., The. (See Date, William E., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Denhard, Harry W., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Evans, Clarence T., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Henderson, Clark T., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Horton, Albert J., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Hyatt, Charles E., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Larsen, Olaf, assignor.)
- Cutler-Hammer Mfg. Co., The. (See Radley, Guy R., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Reisbach, Gustav B., assignor.)

Alphabetical list of patentees—Continued.

- Cutler-Hammer Mfg. Co., The. (See Reisbach, Gustave B., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Simon, Arthur, assignor.)
- Cutler-Hammer Mfg. Co., The. (See Tatum, Lewis L., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Taylor, Floyd T., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Vander Veer, John H., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Wiegand, Henry J., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Zimmer, Paul H., assignor.)
- Cutler, Henry H., assignor to Cutler-Hammer Manufacturing Company, Milwaukee, Wis. Clutch and controller for printing-presses. No. 1,120,375; Dec. 8; Gaz. vol. 209; p. 547.
- Cutler, Henry H., and F. S. Wilhoit, Milwaukee, Wis. Electromechanical variable-speed device. No. 1,122,483; Dec. 29; Gaz. vol. 209; p. 1402.
- Cutler, Joseph C. (See Larimer, William J., assignor.)
- Cutler, Joseph W., assignor, by mesne assignments, to Cutler Mail Chute Company, Rochester, N. Y. Mail-receiving receptacle. No. 1,083,459; Jan. 6; Gaz. vol. 198; p. 67.
- Cutler Mail Chute Company. (See Cutler, Joseph W., assignor.)
- Cutler Mail Chute Company. (See Smith, Arthur K., assignor.)
- Cutler, Wallace M., Freeport, assignor to The Box Car Flush Door Company, New York, N. Y. Means for operating car-doors. No. 1,117,798; Nov. 17; Gaz. vol. 208; p. 894.
- Cutler, William C. (See Leonard and Cutler.)
- Cutler, William C., Sawtelle, Cal. Appointment-clock. No. 1,091,486; Mar. 31; Gaz. vol. 200; p. 1127.
- Cutler, William C., Sawtelle, Cal. Weight-raising device. No. 1,102,013; June 30; Gaz. vol. 203; p. 1441.
- Cutler, William C., Sawtelle, Cal. Display-machine. No. 1,111,725; Sept. 22; Gaz. vol. 206; p. 1134.
- Cutler, William C., Los Angeles, Cal. Directory device. No. 1,120,909; Dec. 15; Gaz. vol. 209; p. 784.
- Cutler, William C., Los Angeles, Cal., and E. J. Boyler, New Haven, Conn.; said Boyler assignor to said Cutler. Directory-cabinet. No. 1,120,910; Dec. 15; Gaz. vol. 209; p. 785.
- Cutlip, Charles T., Detroit, Mich. Backstay for vehicle-tops. No. 1,119,247; Dec. 1; Gaz. vol. 209; p. 120.
- Cutten, Elisha B., Erie, Pa. Making zinc-white. No. 1,109,113; Sept. 1; Gaz. vol. 206; p. 91.
- Cutter Electrical and Manufacturing Company, The. (See Scott, William M., assignor.)
- Cutter, Solomon M., and J. F. McLaughlin, Hartford, Conn. Mileage-indicating apparatus. No. 1,089,695; Mar. 10; Gaz. vol. 200; p. 398.
- Cutter, William M., San Francisco, Cal. Automatic door opening and closing device for elevators. No. 1,092,633; Apr. 7; Gaz. vol. 201; p. 177.
- Cutfill, William, Godley, and S. and P. Marshall, Hyde, England. Spinning machinery. No. 1,095,458; May 5; Gaz. vol. 202; p. 97.
- Cuvellier, Edward, Halifax, Nova Scotia, Canada. Shoe heel. No. 1,108,975; Sept. 1; Gaz. vol. 206; p. 41.
- Cwiek, Anthony J., Providence, R. I. Skirt-marker. No. 1,119,577; Dec. 1; Gaz. vol. 209; p. 234.
- Cyphers, Gideon E. (See Binkley, Harry F., assignor.)
- Cywar, Louis, Elizabeth, N. J. Life-preserver. No. 1,111,299; Sept. 22; Gaz. vol. 206; p. 986.
- Czarnecki, Wladyslaw, Philadelphia, Pa. Nozzle. No. 1,099,028; June 2; Gaz. vol. 203; p. 226.
- Czarnikow, Alfred, assignor to A. Czarnikow, Berlin, Germany. Spring-actuated motor. No. 1,096,829; May 19; Gaz. vol. 202; p. 641.
- Czarnikow, Arthur. (See Czarnikow, Alfred, assignor.)
- Czerniawski, Tomasz, New York, N. Y. Ship-repairing appliance. No. 1,099,167; June 9; Gaz. vol. 203; p. 316.
- Czerweny, Viktor, Deutschlandsberg, near Gratz, Austria-Hungary. Dipping apparatus for match-making machines. No. 1,091,915; Mar. 31; Gaz. vol. 200; p. 1277.
- Czyrzewski, Kostanty. (See Starek and Czyrzewski.)
- D. Saunders' Sons. (See Linehan, John F., assignor.)
- D. & D. Button-Hole Machine Company. (See Jessen, James, assignor.)
- D. G. Butts Specialty Company. (See Tschopik, Julius D., assignor.)
- D. H. Burrell & Company. (See Burrell, Loomis, assignor.)
- D. H. Burrell & Company. (See Dalzell, Charles B., assignor.)
- D. H. Burrell & Company. (See Feldmeier and Dalzell, assignors.)
- D. H. Burrell Company. (See Hoyt, Matthew L., assignor.)
- D. M. Sechler Implement & Carriage Co. (See Garst, Stephen H., assignor.)
- D. T. Owen Company. (See Owen, David T., assignor.)
- D'Agostino, Salvatore, Philadelphia, Pa. Switchback-coaster. No. 1,097,615; May 26; Gaz. vol. 202; p. 959.
- D'Aix, Lucke. (See Lucke, Carl, assignor.)
- D'Amore, Emilio, assignor of one-half to S. Lucchino, trustee, Pittston, Pa. Automatic magazine-firearm. No. 1,112,055; Sept. 29; Gaz. vol. 206; p. 1282.
- D'Antonio, Remigius, New York, N. Y. Automobile signal device. No. 1,106,179; Aug. 4; Gaz. vol. 205; p. 207.
- D'Arcy, Frank P., Kalamazoo, Mich. Spring structure. No. 1,095,712; May 5; Gaz. vol. 202; p. 184.
- D'Arcy, Frank P., Kalamazoo, Mich. Spring structure. No. 1,096,801; May 12; Gaz. vol. 202; p. 589.
- D'Arcy, Nicholas A. (See McGalliard, Joseph W., assignor.)
- D'Eaubonne, Etienne. (See Sabonadiar and D'Eaubonne.)
- D'Elia, Louis, Atlantic City, N. J. Life-preserving apparatus. No. 1,113,418; Oct. 13; Gaz. vol. 207; p. 395.
- D'Humy, Fernand E., Englewood, N. J., assignor to The Western Union Telegraph Company. Pneumatic-despatch-tube system. No. 1,090,907; Mar. 24; Gaz. vol. 200; p. 887.
- D'Humy, Fernand E., Englewood, N. J., assignor to The Western Union Telegraph Company. Pneumatic transmission system. No. 1,092,982; Apr. 14; Gaz. vol. 201; p. 329.
- D'Oiler Centrifugal Pump and Machine Company. (See De Huff, Henry, assignor.)
- Daab, Ernst W., Belleville, Ill. Bell attachment for pianos. No. 1,091,043; Mar. 24; Gaz. vol. 200; p. 935.
- Dabadie, John L., Angels Camp, Cal. Tubing for tires for motor-vehicles. No. 1,115,907; Nov. 3; Gaz. vol. 208; p. 150.
- Dabelstein, Charles C., Detroit, Mich. Emergency-tire. No. 1,095,386; May 5; Gaz. vol. 202; p. 72.
- Dac, Roman, Passaic, N. J. Trolley-guard. No. 1,100,542; June 16; Gaz. vol. 203; p. 826.
- Dadd, Geoffrey, Wallington, England. Educational device. No. 1,085,405; Jan. 27; Gaz. vol. 198; p. 816.
- Dade, Albert, Frankfort, N. Y. Liquid-dispensing apparatus. No. 1,088,261; Feb. 24; Gaz. vol. 199; p. 1075.
- Dade, Albert, and A. G. Brock, Frankfort, N. Y. Savings-bank. No. 1,100,356; June 16; Gaz. vol. 203; p. 763.
- Dadley, Benjamin L., London, England. Lock nut and bolt. No. 1,100,173; June 16; Gaz. vol. 203; p. 700.
- Daetweiler, Kasper, assignor to Erickson & Leroy, Compton, Cal. Riding beet-puller. No. 1,097,917; May 26; Gaz. vol. 202; p. 1070.
- Daft, Leo, Rutherford, N. J., assignor to Electro-Chemical Rubber and Manufacturing Company. Rubber-covered article and making same. No. 1,120,794; Dec. 15; Gaz. vol. 209; p. 742.
- Daft, Leo, Rutherford, N. J., assignor to Electro-Chemical Rubber & Manufacturing Company. Rubber-coated metal article and producing same. No. 1,120,795; Dec. 15; Gaz. vol. 209; p. 743.
- Daft, Longfellow J., Seattle, Wash. Mine drilling and channeling machine. No. 1,108,342; Aug. 25; Gaz. vol. 205; p. 1104.
- Dahl, Benjamin, Minneapolis, Minn. Fish-wire reel. No. 1,118,270; Nov. 24; Gaz. vol. 208; p. 1095.
- Dahl, Berent O., Viroqua, Wis. Hoe. No. 1,105,760; Aug. 4; Gaz. vol. 205; p. 61.
- Dahl, Berent O., Viroqua, Wis. Hoe. No. 1,122,484; Dec. 29; Gaz. vol. 209; p. 1403.
- Dahl, Charles A., Roxbury, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-sewing machine. No. 1,088,652; Feb. 24; Gaz. vol. 199; p. 1203.
- Dahl, Harry J., Philadelphia, Pa., assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. No. 1,109,515; Sept. 1; Gaz. vol. 206; p. 230.
- Dahl, Walter B., assignor, by mesne assignments, to B. F. Kimball, Minneapolis, Minn. Temperature-regulator. No. 1,096,004; May 5; Gaz. vol. 202; p. 281.
- Dahl, Walter B., assignor, by mesne assignments, to B. F. Kimball, Minneapolis, Minn. Temperature-regulator. No. 1,097,005; May 19; Gaz. vol. 202; p. 703.
- Dahlberg, Andrew, Wyoming, Minn. Land-marker. No. 1,088,405; Feb. 24; Gaz. vol. 199; p. 1123.
- Dahlgren, Amanda G., Chicago, Ill. Shield for toilet-seats. No. 1,109,904; Sept. 8; Gaz. vol. 206; p. 411.
- Dahlin, Frederick C. (See Howard, Frederick C., assignor.)
- Dahlke, Oskar, Charlottenburg, Germany, assignor to General Electric Company. Shaft-packing. No. 1,085,326; Jan. 27; Gaz. vol. 198; p. 788.
- Dahllof, John P., et al. (See Enström, Nils G., assignor.)
- Dahlstrom, John J., Amite, La. Folding-marker. No. 1,120,693; Dec. 15; Gaz. vol. 209; p. 707.
- Dahms, Henry T., Walcott, Iowa. Vehicle-brake. No. 1,111,647; Sept. 22; Gaz. vol. 206; p. 1106.
- Dalley, Edward E., Needham Heights, Mass. Box-covering machine. No. 1,100,228; June 16; Gaz. vol. 203; p. 718.
- Dalley, J. C. (See Derbyshire, Alfred E., assignor.)
- Dalley, John, and D. Bertolino, Hepzibah, W. Va. Tire-grinder. No. 1,092,026; Mar. 31; Gaz. vol. 200; p. 1311.
- Dalley, John A., La Crosse, Kans. Conveyer. No. 1,108,713; Aug. 25; Gaz. vol. 205; p. 1232.
- Dalley, Russell L., Kansas City, Kans. Steam-generator. No. 1,090,779; Mar. 17; Gaz. vol. 200; p. 811.

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- Dailey, Wirt L., Mankato, Kans. Draft-equalizer. No. 1,100,123; June 16; Gaz. vol. 203; p. 682.
- Daimler-Motoren-Gesellschaft. (See Daimler, Paul, assignor.)
- Daimler-Motoren-Gesellschaft. (See Donndorf, Peter, assignor.)
- Daimler-Motoren-Gesellschaft. (See Daimler and Heess, assignors.)
- Daimler, Paul, Cannstatt, Germany. Armored aerial machine. No. 1,095,711; May 5; Gaz. vol. 202; p. 183.
- Daimler, Paul, Cannstatt, assignor to Daimler-Motoren-Gesellschaft, Unterturkheim-Stuttgart, Germany. Carbureter. No. 1,098,783; June 2; Gaz. vol. 203; p. 145.
- Daimler, Paul, Cannstatt, assignor to Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Oil-circulatory lubricating system. No. 1,098,784; June 2; Gaz. vol. 203; p. 145.
- Daimler, Paul, Cannstatt, assignor to Daimler-Motoren-Gesellschaft, Unterturkheim, near Stuttgart, Germany. Armored aerial machine. No. 1,098,785; June 2; Gaz. vol. 203; p. 145.
- Daimler, Paul, and A. Heess, Cannstatt, assignors to Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Oil-circulatory lubricating system. No. 1,090,518; Mar. 17; Gaz. vol. 200; p. 726.
- Dain, Arthur L. (See Gage, Will V., assignor.)
- Dain, Joseph, Ottumwa, Iowa. Motor-vehicle. No. 1,120,286; Dec. 8; Gaz. vol. 209; p. 515.
- Dain, Joseph, Ottumwa, Iowa. Gearing. No. 1,120,287; Dec. 8; Gaz. vol. 209; p. 515.
- Dain, Joseph, Moline, Ill., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Coupling for hay-loaders. No. 1,107,763; Aug. 18; Gaz. vol. 205; p. 856.
- Dain, Joseph, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Side-delivery rotary rake. No. 1,120,288; Dec. 8; Gaz. vol. 209; p. 515.
- Dain, Joseph, and H. B. Sperry, assignors to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay-press. No. 1,090,137; Mar. 17; Gaz. vol. 200; p. 590.
- Dain Manufacturing Company of Iowa. (See Dain, Joseph, assignor.)
- Dain Manufacturing Company of Iowa. (See Dain and Sperry, assignors.)
- Dain Manufacturing Company of Iowa. (See Macphail, James, assignor.)
- Dainoff, Julius A., New York, N. Y. Composite blank and method for gold and silver leaf sign-letters and ornaments for glass. No. 1,116,803; Nov. 10; Gaz. vol. 208; p. 505.
- Dairymen's Manufacturing Company. (See Conover and Peacock, assignors.)
- Daisy Manufacturing Company. (See Hawthorne, William E., assignor.)
- Daisy Manufacturing Company. (See Hough, Edward C., assignor.)
- Daisy Manufacturing Company. (See Lefever, Charles F., assignor.)
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Rotor and bucket. No. 1,086,756; Feb. 10; Gaz. vol. 199; p. 457.
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Steam-turbine. No. 1,098,316; May 26; Gaz. vol. 202; p. 1207.
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Incandescent electric headlight. No. 1,098,317; May 26; Gaz. vol. 202; p. 1208.
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Headlight. No. 1,098,318; May 26; Gaz. vol. 202; p. 1208.
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Turbine. No. 1,098,319; May 26; Gaz. vol. 202; p. 1208.
- Dake, Charles W., assignor to Pyle National Electric Headlight Company, Chicago, Ill. Motor-generator. No. 1,101,618; June 30; Gaz. vol. 203; p. 1303.
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Turbine. No. 1,101,619; June 30; Gaz. vol. 203; p. 1303.
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Incandescent electric headlight. No. 1,101,686; June 30; Gaz. vol. 203; p. 1326.
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Arc-lamp electrode. No. 1,105,887; Aug. 4; Gaz. vol. 205; p. 104.
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Armature. No. 1,109,825; Sept. 8; Gaz. vol. 206; p. 382.
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Arc-light electrode. No. 1,112,361; Sept. 29; Gaz. vol. 206; p. 1389.
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Electrode-holder for arc-lamps. No. 1,122,194; Dec. 22; Gaz. vol. 209; p. 1265.
- Dake, Charles W., and C. P. McGinnis, assignors to Pyle-National Electric Headlight Company, Chicago, Ill. Recorder. No. 1,104,250; July 21; Gaz. vol. 204; p. 790.
- Dale, Charles J., Toms Creek, Va. Vehicle-brake. No. 1,110,255; Sept. 8; Gaz. vol. 206; p. 537.
- Dale, Charles O., Seattle, assignor of four-tenths to A. Peterson, Renton, Wash. Logging-bunk. No. 1,105,827; Aug. 4; Gaz. vol. 205; p. 84.
- Dale, David, Chicago, Ill. Air-brake-controlling mechanism for block-signal systems. No. 1,113,314; Oct. 13; Gaz. vol. 207; p. 357.
- Dale, Orton G., Plainfield, N. J., assignor to Mead-Morrison Manufacturing Company, Cambridge, Mass. Crushing-machine. No. 1,100,174; June 16; Gaz. vol. 203; p. 700.
- Dale, Oswald, New York, and H. A. Frederick, Tuckahoe, N. Y. Electric resistance unit. No. 1,096,289; May 12; Gaz. vol. 202; p. 417.
- Dale, Samuel H., assignor of three-fourths to J. Gibbs, Chicago, Ill. Explosive-engine. No. 1,096,604; May 12; Gaz. vol. 202; p. 522.
- Dalén, Gustaf, Stockholm, Sweden. Light-signal lantern. No. 1,095,269; May 5; Gaz. vol. 202; p. 33.
- Dalén, Gustaf, Stockholm, Sweden. Railway signaling apparatus. No. 1,099,118; June 2; Gaz. vol. 203; p. 254.
- Daley, Denis W., Parkersburg, W. Va. Removable support for sides of concrete-molds. No. 1,116,805; Nov. 10; Gaz. vol. 208; p. 506.
- Daley, Dennis W., Parkersburg, W. Va. Still and water-heater. No. 1,116,804; Nov. 10; Gaz. vol. 208; p. 505.
- Daley, Harry C., and A. A. Taynor, Carlinville, Ill. Spotlight attachment. No. 1,101,414; June 23; Gaz. vol. 203; p. 1180.
- Dalgleish, Edmund. (See Diemunsch, Dobbins, and Dalgleish.)
- Dalgleish, Edmund, Lakewood, assignor to The Chase Machine Company, Cleveland, Ohio. Bottle-handling apparatus. No. 1,110,256; Sept. 8; Gaz. vol. 206; p. 537.
- Dalidansky, Abraham. (See Dean and De Marinis, assignors.)
- Dalitz, Harry, Seattle, Wash. Spark-plug tester and terminal. No. 1,107,498; Aug. 18; Gaz. vol. 205; p. 762.
- Dalkranian, James K., West Hoboken, N. J., assignor to N. Costikyan, New York, N. Y. Loom for weaving oriental knot-pile fabrics. No. 1,090,692; Mar. 17; Gaz. vol. 200; p. 784.
- Dallas Coffin Co. (See Fisher, Alfred, assignor.)
- Dalley, William F., and D. A. Trevey, Ira, Tex. Adjustable axle for plows, planters, and the like. No. 1,097,791; May 26; Gaz. vol. 202; p. 1024.
- Dallier, John J., assignor of ten one-hundredths to F. V. Clark, Great Lakes, Ill. Torpedo-steering mechanism. No. 1,098,230; May 26; Gaz. vol. 202; p. 1176.
- Dally, Henry E., Osmund, Nebr. Beet-harvester. No. 1,119,138; Dec. 1; Gaz. vol. 209; p. 83.
- Dalman, John W., Chicago, Ill. Water-cooling system for automobile-engines. No. 1,111,787; Sept. 29; Gaz. vol. 206; p. 1192.
- Dalman, John W., Chicago, Ill. Non-freezing radiator. No. 1,114,588; Oct. 20; Gaz. vol. 207; p. 844.
- Dalsing, John P., Oneida, Kans. Plow. No. 1,102,326; July 7; Gaz. vol. 204; p. 37.
- Dalton Adding Machine Company, The. (See Dalton, James L., assignor.)
- Dalton Adding Machine Company. (See Dysart, Birney, assignor.)
- Dalton Adding Machine Company. (See Landsiedel, Harry, assignor.)
- Dalton Adding Machine Company. (See Parham, William H., assignor.)
- Dalton Adding Machine Company, The. (See Yaeger, Harry C., assignor.)
- Dalton, Harry M., Cincinnati, Ohio. Automatic boltwork for safes. No. 1,109,666; Sept. 8; Gaz. vol. 206; p. 325.
- Dalton, Harry M., and C. M. Conklin, Cincinnati, Ohio. Carburetor. No. 1,087,218; Feb. 17; Gaz. vol. 199; p. 666.
- Dalton, Hubert, New York, N. Y. Threadless nut or collar. No. 1,114,123; Oct. 20; Gaz. vol. 207; p. 680.
- Dalton, Hubert, New York, N. Y. Shaft-hanger. No. 1,114,124; Oct. 20; Gaz. vol. 207; p. 680.
- Dalton, James, Roxbury, Mass. Hand-operated drill. No. 1,109,516; Sept. 1; Gaz. vol. 206; p. 230.
- Dalton, James K., Waverly, Ohio. Bone-saw, &c. No. 1,097,171; May 19; Gaz. vol. 202; p. 763.
- Dalton, James K., Waverly, Ohio. Air-pump. No. 1,117,001; Nov. 10; Gaz. vol. 208; p. 574.
- Dalton, James L., Poplar Bluff, Mo., assignor, by mesde assignments, to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding and recording machine. No. 1,121,716; Dec. 22; Gaz. vol. 209; p. 1100.
- Dalton, Michael W., Chicago, Ill. Shoe-protector. No. 1,110,045; Sept. 8; Gaz. vol. 206; p. 462.
- Dalton, Thomas J., Houston, Tex. Combination paper-holder and display device. No. 1,117,983; Nov. 24; Gaz. vol. 208; p. 997.
- Dalton, Van Broadus, Cincinnati, Ohio. Dental model. No. 1,102,390; July 7; Gaz. vol. 204; p. 59.
- Dalton, William, Schenectady, N. Y. Electric locomotive. No. 1,084,317; Jan. 13; Gaz. vol. 198; p. 382.

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- Dalton, William H. (See Hinds and Dalton.)
- Daly, Charles M., East Elmhurst, N. Y. Cooking utensil. No. 1,084,402; Jan. 13; Gaz. vol. 198; p. 408.
- Daly, Daniel A., assignor to United States Metal Products Co., New York, N. Y. Stair construction. No. 1,101,012; June 23; Gaz. vol. 203; p. 1043.
- Daly, Edmond, New Monterey, Cal. Harrow-pin. No. 1,119,248; Dec. 1; Gaz. vol. 209; p. 120.
- Daly, John J., New Brunswick, N. J., assignor to E. W. McCarty, New York, N. Y. Door-check. No. 1,102,727; July 7; Gaz. vol. 204; p. 176.
- Daly, Thomas J., Middletown, Conn. Non-refillable bottle. No. 1,114,589; Oct. 20; Gaz. vol. 207; p. 845.
- Daly, William L., Schenectady, N. Y. Ticket-holder. No. 1,087,871; Feb. 17; Gaz. vol. 199; p. 892.
- Daly, William L., Schenectady, N. Y. Refrigerating-pail. No. 1,103,016; July 7; Gaz. vol. 204; p. 275.
- Daly, William L., Schenectady, N. Y. Tag-hook. No. 1,107,910; Aug. 18; Gaz. vol. 205; p. 904.
- Daly, William L., Schenectady, N. Y. Mixing device. No. 1,122,260; Dec. 29; Gaz. vol. 209; p. 1329.
- Dalzell, Charles B. (See Feldmeier and Dalzell.)
- Dalzell, Charles B., assignor to D. H. Burrell & Company, Little Falls, N. Y. Sterilizing-tank. No. 1,105,187; July 28; Gaz. vol. 204; p. 1164.
- Dam, Andrew C., and C. H. Kirby, New York, N. Y.; said Kirby assignor to said Dam. Electric heater for carbureters. No. 1,115,512; Nov. 3; Gaz. vol. 208; p. 16.
- Damascus Brake Beam Co., The. (See Waycott, Albert, assignor.)
- Dambman, Walter C., Highland Park, assignor to Firm of A. F. Moore, Philadelphia, Pa. Knockdown paper box. No. 1,121,582; Dec. 15; Gaz. vol. 209; p. 1017.
- Damm, Charles F., Buffalo, N. Y. Street-car. No. 1,092,978; Apr. 14; Gaz. vol. 201; p. 327.
- Damman, Charles H., Chicago, Ill. Shirt-holder. No. 1,103,742; July 14; Gaz. vol. 204; p. 576.
- Damon, Clare B., *et al.*, executors. (See Damon, Russell H.)
- Damon, Frederick H. (See Carnochan and Damon.)
- Damon, Murray C., *et al.*, executors. (See Damon, Russell H.)
- Damon, Russell H., deceased; C. B. and M. C. Damon, executors, assignors to The Hairlight Company, Leominster, Mass. Hair roll or puff. No. 1,086,808; Feb. 10; Gaz. vol. 199; p. 476.
- Damschen, Gerhard P. A., Oconomowoc, Wis. Lightning-arrester. No. 1,104,038; July 21; Gaz. vol. 204; p. 718.
- Dan, Lung, Portland, Oreg. Portable fire-escape. No. 1,085,097; Jan. 20; Gaz. vol. 198; p. 672.
- Dan, Lung, Portland, Oreg. Protective case for pneumatic tires. No. 1,086,653; Feb. 10; Gaz. vol. 199; p. 420.
- Dana, J. Frank, assignor of one-half to W. W. Wright, Jackson, Mich. Electrical switch. No. 1,101,064; June 23; Gaz. vol. 203; p. 1061.
- Dana, William H., assignor to L. Raub, Dayton, Ohio. Voting-machine. No. 1,108,491; Aug. 25; Gaz. vol. 205; p. 1157.
- Dana, Woodbury K., Westbrook, Me. Vacuum-head for cotton-picking machines. No. 1,087,872; Feb. 17; Gaz. vol. 199; p. 892.
- Danberg, Erik G., Big River, Saskatchewan, Canada. Combination chair and bed. No. 1,122,696; Dec. 29; Gaz. vol. 209; p. 1479.
- Dance, Ansel J., and W. B. Billups, Monticello, Mo. Halter. No. 1,115,788; Nov. 3; Gaz. vol. 208; p. 108.
- Danculovich, Joe, Ely, Minn. Railway-spike. No. 1,108,067; Aug. 18; Gaz. vol. 205; p. 961.
- Dandridge, Edward P., Philadelphia, Pa. Oyster-shucking machine. No. 1,117,984; Nov. 24; Gaz. vol. 208; p. 998.
- Dane, Michael, *et al.* (See Strobel, William H., assignor.)
- Dane, William H. (See De Lukacsevics, Charles, assignor.)
- Danenbower, Sloan, Bridgeport, Conn. Signaling apparatus. No. 1,106,788; Aug. 11; Gaz. vol. 205; p. 464.
- Danenbower, Sloan, Bridgeport, Conn. Torpedo-pilot boat for automobile torpedoes. No. 1,111,139; Sept. 22; Gaz. vol. 206; p. 931.
- Danenbower, Sloan, Pelham Manor, N. Y. Attachment for submarine boats. No. 1,117,555; Nov. 17; Gaz. vol. 208; p. 807.
- Danforth, Charles E., West Somerville, Mass. Humidor. No. 1,090,693; Mar. 17; Gaz. vol. 200; p. 784.
- Dangel, Friedrich, assignor to Nürnberger Metall- & Lackierwarenfabrik vorm. Gebrüder Bing A. G., Nuremberg, Germany. Rheostat for toy electric railways. No. 1,096,800; May 12; Gaz. vol. 202; p. 589.
- Danglo, Aaron, and L. Resch, New York, N. Y. Window-shade fixture. No. 1,083,807; Jan. 6; Gaz. vol. 198; p. 180.
- Danhauer, William E. (See Kollenberg, Frederick G., assignor.)
- Daniel, Frederick M., Jacksonville, Fla. Adjustable level and track-gage. No. 1,100,543; June 16; Gaz. vol. 203; p. 826.
- Daniel, James D., Linden, Tenn. Hinge. No. 1,098,885; June 2; Gaz. vol. 203; p. 179.
- Daniel, Paul, Jamaica, assignor to M. Ely, New York, and C. Fuller, Port Washington, N. Y. Piston for gas-engines. No. 1,115,176; Oct. 27; Gaz. vol. 207; p. 1106.
- Daniel, Turner J., Butler, Ala. Harness-clasp. No. 1,089,625; Mar. 10; Gaz. vol. 200; p. 374.
- Daniel, William F., Bristol, Tenn. Car-wheel bearing. No. 1,108,068; Aug. 18; Gaz. vol. 205; p. 961.
- Daniels, Ernest C., Orangeville, Ontario, Canada. Singeing device. No. 1,113,417; Oct. 13; Gaz. vol. 207; p. 394.
- Daniels, Fred H., deceased, Worcester, Mass.; S. L. Daniels, executrix, assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Making hot-finished flats. No. 1,108,144; Aug. 25; Gaz. vol. 205; p. 1035.
- Daniels, Fred H., deceased, Worcester, Mass.; S. L. Daniels, executrix, assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Reel for coiling flats and other shapes. No. 1,117,003; Nov. 10; Gaz. vol. 208; p. 575.
- Daniels, Isaac. (See McDonald and Daniels.)
- Daniels, Johann J., New Rochelle, N. Y. Window-blind fastening. No. 1,088,262; Feb. 24; Gaz. vol. 199; p. 1075.
- Daniels, John T., assignor to The Hanson & Van Winkle Company, Newark, N. J. Electroplating apparatus. No. 1,108,145; Aug. 25; Gaz. vol. 205; p. 1036.
- Daniels, Joseph, and W. I. Silvis, Canton, Ohio. Roll-polisher. No. 1,122,369; Dec. 29; Gaz. vol. 209; p. 1364.
- Daniels, Marshall R., Columbia, S. C. Fly-trap. No. 1,098,019; May 26; Gaz. vol. 202; p. 1105.
- Daniels, Richard, Milwaukee, Wis. Washing-machine. No. 1,085,406; Jan. 27; Gaz. vol. 198; p. 816.
- Daniels, Samuel W., Urbana, Ill. Gate. No. 1,118,109; Nov. 24; Gaz. vol. 208; p. 1042.
- Daniels, Sarah L., executrix. (See Daniels, Fred H.)
- Daniels, William N., New York, N. Y. Knitted garment. No. 1,094,884; Apr. 28; Gaz. vol. 201; p. 1076.
- Danielsen, Herbert, F. A. Haase, Jr., and J. H. B. Shannon, Newark, N. J., assignors to Disinfectant and Utilities Corporation. Spraying device. No. 1,096,892; May 19; Gaz. vol. 202; p. 664.
- Danielson, Charles, Cannon Falls, Minn. Ironing-board. No. 1,099,591; June 9; Gaz. vol. 203; p. 463.
- Danielson, Daniel B., Milwaukee, Wis. Concrete column. No. 1,119,406; Dec. 1; Gaz. vol. 209; p. 175.
- Danielson, Gustave F., Youngstown, Ohio. Making seats. No. 1,116,875; Nov. 10; Gaz. vol. 208; p. 530.
- Danielson, Oscar A., assignor to Western Electric Company, New York, N. Y. Selecting apparatus. No. 1,086,899; Feb. 10; Gaz. vol. 199; p. 506.
- Danko, Joseph, and J. Potoczky, Toledo, Ohio. Life-boat. No. 1,095,556; May 5; Gaz. vol. 202; p. 132.
- Danks, Charles P., Lawrenceville, Ill. Disinfecting and deodorizing device. No. 1,113,959; Oct. 20; Gaz. vol. 207; p. 622.
- Danley, Robert J. M., and H. S. Bolton, Toluca, Mexico. High-tension switch. No. 1,102,728; July 7; Gaz. vol. 204; p. 176.
- Danner, Ralph H., Los Angeles, Cal. Rotary pump. No. 1,116,570; Nov. 10; Gaz. vol. 208; p. 421.
- Danner, William, Slidell, La., assignor to Forest Products Co. Apparatus for the distillation of wood. No. 1,096,687; May 12; Gaz. vol. 202; p. 550.
- Danquard, Thomas, assignor, by mesne assignments, to Auto Pneumatic Action Co., New York, N. Y. Pump-operating means for musical instruments. No. 1,118,476; Nov. 24; Gaz. vol. 208; p. 1172.
- Dantsizen, Christian, Schenectady, N. Y., assignor to General Electric Company. Wear-resisting body and making the same. No. 1,096,688; May 12; Gaz. vol. 202; p. 551.
- Dantzer, James. (See Dantzer, Robert and J.)
- Dantzer, Robert and J., Lille, France. Velvet-weaving. No. 1,104,635; July 21; Gaz. vol. 204; p. 925.
- Danver, Andrew C., Pawtucket, R. I. Ball-socket. No. 1,116,571; Nov. 10; Gaz. vol. 208; p. 422.
- Danver, Andrew C., Providence, R. I. Auxiliary oiling device for automobiles. No. 1,120,137; Dec. 8; Gaz. vol. 209; p. 461.
- Danver, George H., Newton, Ill. Skid. No. 1,101,526; June 30; Gaz. vol. 203; p. 1270.
- Danzenbaker, Francis, Norfolk, Va. Beehive. No. 1,122,697; Dec. 29; Gaz. vol. 209; p. 1479.
- Danzer, Albert, assignor to Danzer Metal Works, Hagerstown, Md. Snow-guard for roofs. No. 1,095,822; May 5; Gaz. vol. 202; p. 221.
- Danzer, Frank, Detroit, Mich. Mail canceling and distributing device. No. 1,085,407; Jan. 27; Gaz. vol. 198; p. 816.
- Danzer, Henry, assignor to Compagnie Generale de Phonographes Cinematographes et Appareils de Precision, Paris, France. Plastic material used in the manufacture of kinematographic films. No. 1,089,910; Mar. 10; Gaz. vol. 200; p. 472.
- Danzer Metal Works. (See Danzer, Albert, assignor.)
- Darby, James D., B. C. Phillips, and E. T. Westmoreland, Crescent, S. C.; said Phillips assignor to said Darby and Westmoreland. Automobile lifting-jack. No. 1,100,011; June 16; Gaz. vol. 203; p. 643.

Alphabetical list of patentees—Continued.

- Darby, John, Summit, N. J. Lamp-socket. No. 1,119,928; Dec. 8; Gaz. vol. 209; p. 389.
- Darbyshire, Benjamin F. (See Craig and Darbyshire.)
- Darden, Newton J., Memphis, Tenn. Sterilizing and preserving apparatus. No. 1,083,731; Jan. 6; Gaz. vol. 198; p. 157.
- Darden, Newton J., Memphis, Tenn. Sterilizing and preserving apparatus. No. 1,083,732; Jan. 6; Gaz. vol. 198; p. 158.
- Darden, William A., Anniston, Ala. Track-laying car. No. 1,097,006; May 19; Gaz. vol. 202; p. 703.
- Dargaczewski, Nicodemus, Omaha, Nebr. Railway-car buffer. No. 1,099,429; June 9; Gaz. vol. 203; p. 408.
- Dargatz, Gustav E., Kansas City, Mo. Elastic metal tire. No. 1,087,731; Feb. 17; Gaz. vol. 199; p. 847.
- Darley, John W., Jr., Baltimore, Md. Piano-action. No. 1,097,083; May 19; Gaz. vol. 202; p. 733.
- Darling, Charles K. (See Fairbrother, Benjamin F. B., assignor.)
- Darling, Charles T., Stony Brook, N. Y. Animal-trap. No. 1,084,071; Jan. 13; Gaz. vol. 198; p. 299.
- Darling, Charles T., Stony Brook, N. Y. Coat-hanger. No. 1,105,067; July 28; Gaz. vol. 204; p. 1123.
- Darling, Harry R., assignor to Eastman Kodak Company, Rochester, N. Y. Tripod-socket for camera-beds. No. 1,112,525; Oct. 6; Gaz. vol. 207; p. 40.
- Darling, Joseph, Chicora, Pa. Well-drilling apparatus. No. 1,087,353; Feb. 17; Gaz. vol. 199; p. 712.
- Darling, Mary J., Providence, R. I. Towel-rack. No. 1,113,880; Oct. 13; Gaz. vol. 207; p. 556.
- Darling, Samuel M., Chicago, Ill. Composition of matter and producing the same. No. 1,114,590; Oct. 20; Gaz. vol. 207; p. 845.
- Darmstadter, Herbert M., Chicago, Ill. Formillion. No. 1,102,729; July 7; Gaz. vol. 204; p. 177.
- Darnall, John C., Staunton, Va. Barrel-heading press. No. 1,103,175; July 14; Gaz. vol. 204; p. 380.
- Darnell, Coral B. (See Bowers, Potter, and Darnell.)
- Darnell, David R., Weidman, Mich. Corn-planter attachment. No. 1,117,343; Nov. 17; Gaz. vol. 208; p. 734.
- Darnell, Edward, and W. Lewis, assignors of one-third to M. Grafford, St. Louis, Mo. Fender. No. 1,086,516; Feb. 10; Gaz. vol. 199; p. 372.
- Darnieder, John, Nevada, Iowa. Seed-corn hanger. No. 1,084,994; Jan. 13; Gaz. vol. 198; p. 273.
- Darr, Frank J., Texarkana, Tex. Reinforcing-bar support. No. 1,123,107; Dec. 29; Gaz. vol. 209; p. 1622.
- Darr, Henry W., Redwing, assignor of one-half to W. W. Herold, Ellinwood, Kans. Wheel-tire. No. 1,111,648; Sept. 22; Gaz. vol. 206; p. 1106.
- Darrah, Paul H., Goodyears Bar, Cal. Ore-concentrator. No. 1,101,415; June 23; Gaz. vol. 203; p. 1180.
- Darrah, William A., Brooklyn, N. Y. Forming joints. No. 1,090,456; Mar. 17; Gaz. vol. 200; p. 705.
- Darrasse, Etienne R. (See Gloess and Darrasse.)
- Darrasse, Leon P., Jr. (See Gloess and Darrasse.)
- Darroch, Angus, New York, N. Y. Grating. No. 1,092,094; Mar. 31; Gaz. vol. 200; p. 1336.
- Darrow, Charles W., Glenwood Springs, Colo. Flushing device. No. 1,084,846; Jan. 20; Gaz. vol. 198; p. 588.
- Darrow, Charles W., Glenwood Springs, Colo. Flushing device. No. 1,106,285; Aug. 4; Gaz. vol. 205; p. 241.
- Darrow, Charles W., Glenwood Springs, Colo. Flushing device. No. 1,106,286; Aug. 4; Gaz. vol. 205; p. 241.
- Darrow, Charles W., Glenwood Springs, Colo. Flushing device. No. 1,107,911; Aug. 18; Gaz. vol. 205; p. 904.
- Darrow, William W., Chicago, Ill. Door-opening mechanism for freight-cars. No. 1,108,343; Aug. 25; Gaz. vol. 205; p. 1104.
- Darrow, Wilton E. (See Hambric, Perle T., assignor.)
- Darrow, Wilton E., Sutter Creek, Cal. Treating cyanidable ores containing deleterious slimes. No. 1,098,020; May 26; Gaz. vol. 202; p. 1105.
- Darrow, Wilton E., Sutter Creek, Cal. Pulp-distributor for concentrators. No. 1,104,969; July 28; Gaz. vol. 204; p. 1090.
- Darrow, Wilton E., Sutter Creek, Cal. Hydraulic classifier for separating sand and slime. No. 1,106,630; Aug. 11; Gaz. vol. 205; p. 410.
- Darrow, Wilton E., Sutter Creek, Cal. Movable spray for mineral-washing. No. 1,111,300; Sept. 22; Gaz. vol. 206; p. 986.
- Darte, Frederic P. (See Baldwin and Darte.)
- Dasher, Charles H., Oakland, Cal. Discharge-chute for concrete-mixers. No. 1,095,492; May 5; Gaz. vol. 202; p. 110.
- Dashew, Jacob, Baltimore, Md. Sewing-machine. No. 1,116,679; Nov. 10; Gaz. vol. 208; p. 462.
- Dashew, Jacob, Baltimore, Md. Sewing-machine. No. 1,120,289; Dec. 8; Gaz. vol. 209; p. 516.
- Date, William E., Westfield, N. J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Alternating-current-motor controller. No. 1,120,376; Dec. 8; Gaz. vol. 209; p. 547.
- Dath, Charles E., assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,097,007; May 19; Gaz. vol. 202; p. 704.
- Dath, Charles E., assignor to W. H. Miner, Chicago, Ill. Friction-buffer for railway-cars. No. 1,120,290; Dec. 8; Gaz. vol. 209; p. 516.
- Dato, Edward, Fort Worth, Tex. Nutcracker. No. 1,110,747; Sept. 15; Gaz. vol. 206; p. 751.
- Daubenspeck, Clifton C. (See Hildreth and Daubenspeck.)
- Daubenspeck, Philip B. (See Garrigan and Daubenspeck.)
- Daubiné, Félix A., Auboué, France. Process and apparatus for drying air. No. 1,092,434; Apr. 7; Gaz. vol. 201; p. 107.
- Daubresse, Ulysse, Novinger, Mo. Miner's acetylene-lamp. No. 1,087,645; Feb. 17; Gaz. vol. 199; p. 817.
- Daudelin, Eusebe H. (See Daudelin, Jean B and E. H.)
- Daudelin, Jean B. and E. H., Fall River, Mass. Shuttle. No. 1,117,002; Nov. 10; Gaz. vol. 208; p. 575.
- Daugherty, Alexander R., Kittanning, Pa. Barrel-jack. No. 1,111,219; Sept. 22; Gaz. vol. 206; p. 959.
- Daugherty, James H. (See Jones and Daugherty.)
- Daughtry, John M. (See Stephenson, William C., assignor.)
- Dauler, John J. (See Gray and Dauler.)
- Daum, Albert F. (See Goldman and Daum.)
- Daum, Albert F., Pittsburgh, Pa. Fuse. No. 1,102,981; July 7; Gaz. vol. 204; p. 262.
- Dauris, Gaston M. (See Brun and Dauris.)
- Dautrich, Henry E., Indianapolis, Ind. Folding bed. No. 1,087,573; Feb. 17; Gaz. vol. 199; p. 791.
- Davenport, Arthur B., Jr. (See Angerer and Davenport.)
- Davenport, Birge W., Minneapolis, Minn. Starter for internal-combustion engines. No. 1,102,479; July 7; Gaz. vol. 204; p. 90.
- Davenport, Carl, Sheffield, England. Winding and haulage drum. No. 1,110,313; Sept. 15; Gaz. vol. 206; p. 596.
- Davenport, Caroline, University Place, Nebr. Combination-cooker. No. 1,091,636; Mar. 31; Gaz. vol. 200; p. 1178.
- Davenport, Eugene F., Melrose, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leather-skiving machine. No. 1,121,717; Dec. 22; Gaz. vol. 209; p. 1101.
- Davenport Locomotive Works. (See Barger, Lorin W., assignor.)
- Davenport, Rankin T., Williams, Ariz. Telegraph-repeater. No. 1,111,566; Sept. 22; Gaz. vol. 206; p. 1077.
- Davenport, Ransom W., assignor to Detroit Stove Works, Detroit, Mich. Oven. No. 1,108,890; Sept. 1; Gaz. vol. 206; p. 9.
- Davenport Wagon Company. (See Hecht, Joseph L., assignor.)
- Davenport, William S., assignor to Morse Twist Drill & Machine Company, New Bedford, Mass. Truing-tool holder for grinding-machines. No. 1,110,424; Sept. 15; Gaz. vol. 206; p. 637.
- David, Kalil, Worcester, Mass. Remedy for syphilis. No. 1,086,900; Feb. 10; Gaz. vol. 199; p. 506.
- David, Peter. (See Shelton, John B., assignor.)
- David, Roy L., Berkeley, Cal. Milo-header. No. 1,084,403; Jan. 13; Gaz. vol. 198; p. 409.
- Davids, Charles H., Brooklyn, N. Y. Combination of a container and a photographic recording-label. No. 1,095,313; May 5; Gaz. vol. 202; p. 48.
- Davids, Charles H., Brooklyn, N. Y., assignor to N-M-C-R Company. Ink-dividing band for rollers. No. 1,086,142; Feb. 3; Gaz. vol. 199; p. 201.
- Davids, William H., Chicago, Ill. Polishing device. No. 1,086,809; Feb. 10; Gaz. vol. 199; p. 476.
- Davidson, Alexander. (See Phelan, Richard M., assignor.)
- Davidson, Alfred, New Florence, Mo. Corn-harvester. No. 1,115,288; Oct. 27; Gaz. vol. 207; p. 1144.
- Davidson, Andrew, M. Jensen, and J. F. Blocker, Devils Lake, N. D. Grain-car door. No. 1,111,954; Sept. 29; Gaz. vol. 206; p. 1249.
- Davidson, Andrew J., assignor of one-fourth to G. W. Davidson and one-fourth to C. Davidson, Baggs, Wyo. Hay-stacker. No. 1,103,492; July 14; Gaz. vol. 204; p. 486.
- Davidson, Carl, *et al.* (See Davidson, Andrew J., assignor.)
- Davidson, Charles E., Greenville, Ill. Silo-door. No. 1,117,799; Nov. 17; Gaz. vol. 208; p. 895.
- Davidson, Edward M., *et al.* (See MacGregor, Peter G., assignor.)
- Davidson, Frank B., and H. P. Shotts, Marseilles, Ill., assignors to Howe and Davidson Company. Cartou. No. 1,090,457; Mar. 17; Gaz. vol. 200; p. 705.
- Davidson, Frank M., Kirwin, Kans. Draft-regulating device. No. 1,123,108; Dec. 29; Gaz. vol. 209; p. 1623.
- Davidson, George. (See Pettit, John R., assignor.)
- Davidson, George W., *et al.* (See Davidson, Andrew J., assignor.)
- Davidson, Guy E., Filley, Nebr. Spark-arrester. No. 1,118,844; Nov. 24; Gaz. vol. 208; p. 1296.
- Davidson, Harry J., Chicago, Ill. Convertible chair. No. 1,113,960; Oct. 20; Gaz. vol. 207; p. 623.
- Davidson, Hattie A., New York, N. Y. Ring-setting. No. 1,109,403; Sept. 1; Gaz. vol. 206; p. 195.
- Davidson, James P. (See Ahzano, Jean M., assignor.)
- Davidson, James R., Mount Hope, Wis. Hoisting device. No. 1,117,800; Nov. 17; Gaz. vol. 208; p. 895.
- Davidson, James R., Mount Hope, Wis. Rope-gripping device. No. 1,117,801; Nov. 17; Gaz. vol. 208; p. 896.
- Davidson, Jesse D. (See Dunlop and Davidson.)

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- Davidson, John, Pendleton, England. Terminal-exhaust steam-engine. No. 1,084,404; Jan. 13; Gaz. vol. 198; p. 409.
- Davidson, John, Pendleton, England. Terminal-exhaust steam-engine. No. 1,090,030; Mar. 10; Gaz. vol. 200; p. 513.
- Davidson, John, Pendleton, and W. O. Larmuth, Salford, England. Unidirectional-flow steam-engine. No. 1,112,985; Oct. 6; Gaz. vol. 207; p. 200.
- Davidson, John E., Boston, assignor of one-third to A. N. Hood, Newton, and one-third to J. T. Nightingale, Boston, Mass. Corner-binding. No. 1,087,530; Feb. 17; Gaz. vol. 199; p. 775.
- Davidson, John E., Boston, assignor of one-third to A. N. Hood, Newton, and one-third to J. T. Nightingale, Boston, Mass. Box. No. 1,089,538; Mar. 10; Gaz. vol. 200; p. 345.
- Davidson, Joseph, East Point, Ga., assignor of one-half to American Machine & Manufacturing Company. Hydraulic pump. No. 1,103,569; July 14; Gaz. vol. 204; p. 514.
- Davidson, Nelson M., Hanover, Pa. Hot-water deflector. No. 1,086,143; Feb. 3; Gaz. vol. 199; p. 201.
- Davidson, Robert J., and J. B. Strong, Hillburn, N. Y. Switch-stand. No. 1,098,021; May 26; Gaz. vol. 202; p. 1105.
- Davidson, Samuel, Detroit, Mich. Emergency-tire. No. 1,110,904; Sept. 15; Gaz. vol. 206; p. 807.
- Davidson, Samuel, assignor to Buffalo Cement Stone Company, Buffalo, N. Y. Drying artificial stone or wet molds. No. 1,090,387; Mar. 17; Gaz. vol. 200; p. 679.
- Davidson, Samuel C., Belfast, Ireland. Centrifugal fan and pump. No. 1,105,967; Aug. 4; Gaz. vol. 205; p. 133.
- Davidson, Samuel C., Belfast, Ireland. Centrifugal fan. No. 1,111,250; Sept. 22; Gaz. vol. 206; p. 969.
- Davidson, Samuel C., Belfast, Ireland. Centrifugal fan or pump. No. 1,114,866; Oct. 27; Gaz. vol. 207; p. 995.
- Davidson, Sidney N., Charlotte, N. C. Pants-presser. No. 1,088,329; Feb. 24; Gaz. vol. 199; p. 1098.
- Davidson, Thomas R., Westmount, Quebec, Canada. Metal-pickling. No. 1,104,107; July 21; Gaz. vol. 204; p. 742.
- Davies, Albert J., Woodland, Me. Fourdrinier machine. No. 1,090,974; Mar. 24; Gaz. vol. 200; p. 910.
- Davies, Alfred H., assignor, by mesne assignments, to The Sixth City Iron Company, Cleveland, Ohio. Sad-iron. No. 1,098,886; June 2; Gaz. vol. 203; p. 179.
- Davies, Charles W. T., New York, N. Y. Collar. No. 1,088,808; Mar. 3; Gaz. vol. 200; p. 45.
- Davies, Charles W. T., New York, N. Y. Cuff-link and the like. No. 1,088,809; Mar. 3; Gaz. vol. 200; p. 46.
- Davies, Charles W. T., New York, N. Y. Bifurcated undergarment. No. 1,094,981; Apr. 28; Gaz. vol. 201; p. 1111.
- Davies, Charles W. T., New York, N. Y. Buttonhole for articles of wearing-apparel. No. 1,102,881; July 7; Gaz. vol. 204; p. 229.
- Davies, Charles W. T., New York, N. Y. Buttonhole for wearing-apparel. No. 1,106,700; Aug. 11; Gaz. vol. 205; p. 433.
- Davies, Eli J., Friendsville, Pa. Window-pane fastener. No. 1,086,280; Feb. 3; Gaz. vol. 199; p. 245.
- Davies, Ephraim J., Hiawatha, Utah. Coal-pick sharpener. No. 1,107,912; Aug. 18; Gaz. vol. 205; p. 905.
- Davies, Griffith O., Harrow, England. Electric-accumulator plate. No. 1,098,231; May 26; Gaz. vol. 202; p. 1177.
- Davies, Henry E., West New York, N. J. Arc-lamp. No. 1,106,789; Aug. 11; Gaz. vol. 205; p. 464.
- Davies, J. Wesley. (See Drevitson, Carl B., assignor.)
- Davies, John, Miskin, Mountain Ash, and J. Davies, Penrhiwceiber, England. Hauling-tackle. No. 1,100,956; June 23; Gaz. vol. 203; p. 1023.
- Davies, Morgan W., Cle Elum, Wash. Escapement. No. 1,120,694; Dec. 15; Gaz. vol. 209; p. 707.
- Davies, Preston, London, England, assignor to Deutsche Gasglühlicht Aktiengesellschaft (Auergesellschaft), Berlin, Germany. Inverted incandescent lamp. No. 1,105,259; July 28; Gaz. vol. 204; p. 1190.
- Davies, James A. (See Girtanner, Alexander, assignor.)
- Davis Acetylene Company *et al.* (See Davis, Augustine, assignor.)
- Davis, Agatha L., Clinton, S. C. Circuit-closer. No. 1,100,957; June 23; Gaz. vol. 203; p. 1024.
- Davis, Al. E. (See Thornton and Hammond, assignors.)
- Davis, Albert N., assignor of one-half to S. D. Henderson, St. Louis, Mo. Nut-lock. No. 1,085,247; Jan. 27; Gaz. vol. 198; p. 761.
- Davis, Alex B., assignor to The Eli Lilly and Company, Indianapolis, Ind. Quinolin compounds and producing same. No. 1,098,022; May 26; Gaz. vol. 202; p. 1106.
- Davis, Alex B., assignor to The Eli Lilly and Company, Indianapolis, Ind. Chlor-methyl-omega-brom-propyl-carbinol and producing same. No. 1,114,734; Oct. 27; Gaz. vol. 207; p. 948.
- Davis, Alex B., assignor to The Eli Lilly and Company, Indianapolis, Ind. Ketone and producing same. No. 1,114,735; Oct. 27; Gaz. vol. 207; p. 948.
- Davis, Am. (See Gleason, Thomas F., assignor.)
- Davis, Anthony E., assignor to Clip Bar Manufacturing Company, Philadelphia, Pa. Metal-bound curbing. No. 1,105,260; July 28; Gaz. vol. 204; p. 1190.
- Davis, Arthur C., Birmingham, Ala. Adjustable scaffold. No. 1,111,824; Sept. 29; Gaz. vol. 206; p. 1205.
- Davis, Arthur H., and W. Tillotson, Providence, R. I. Film-reel. No. 1,121,231; Dec. 15; Gaz. vol. 209; p. 896.
- Davis, Augustine, Brooklyn, N. Y., and A. C. Collins, assignors to Davis Acetylene Company, Elkhart, Ind. Acetylene-generator. No. 1,094,365; Apr. 21; Gaz. vol. 201; p. 832.
- Davis Automatic Filing Company. (See Davis, Ernest S., assignor.)
- Davis, Remiss N., New Orleans, La. Automatic car stop and derailer. No. 1,102,882; July 7; Gaz. vol. 204; p. 230.
- Davis, Benjamin W., Evanston, Wyo. Air-brake detail. No. 1,100,958; June 23; Gaz. vol. 203; p. 1024.
- Davis, Benjamin W., Phillips, Wis. Shock-absorber. No. 1,111,739; Sept. 29; Gaz. vol. 206; p. 1171.
- Davis, Benjamin W., Chicago, Ill. Receptacle for liquids. No. 1,115,405; Oct. 27; Gaz. vol. 207; p. 1183.
- Davis-Bournonville Acetylene Development Company. (See Bucknam, Worthy C., assignor.)
- Davis-Bournonville Company. (See Bucknam, Worthy C., assignor.)
- Davis-Bournonville Company. (See Burdett, John B., assignor.)
- Davis-Bournonville Company. (See Cave, Henry, assignor.)
- Davis-Bournonville Company. (See Luening, Eugene G., assignor.)
- Davis-Bournonville Company. (See Pleiss, Paul, assignor.)
- Davis, Callie M., Los Angeles, Cal. Rack. No. 1,123,109; Dec. 29; Gaz. vol. 209; p. 1623.
- Davis, Calvin R., Chicago Heights, assignor, by mesne assignments, to Emerson-Brantingham Company, Rockford, Ill. Fertilizer-distributor. No. 1,103,272; July 14; Gaz. vol. 204; p. 413.
- Davis, Charles B., New York, N. Y. Brewing apparatus. No. 1,094,059; Apr. 21; Gaz. vol. 201; p. 733.
- Davis, Charles B., New York, N. Y. Brewing apparatus, &c. No. 1,102,647; July 7; Gaz. vol. 204; p. 150.
- Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining-machine. No. 1,121,002; Dec. 15; Gaz. vol. 209; p. 815.
- Davis, Charles H., Petersburg, Va. Interest-bearing instrument of obligation. No. 1,114,342; Oct. 20; Gaz. vol. 207; p. 758.
- Davis, Charles L. (See Roberts and Davis.)
- Davis, Charles L., Detroit, Mich., assignor to Addressograph Company, Chicago, Ill. Envelop-feeding mechanism. No. 1,088,131; Feb. 24; Gaz. vol. 199; p. 1031.
- Davis, Charles L., assignor of one-half to H. W. Frost, Detroit, Mich. Electric vaporizer. No. 1,091,637; Mar. 31; Gaz. vol. 200; p. 1179.
- Davis, Charles L., assignor of one-half to H. W. Frost, Detroit, Mich. Electric vaporizer. No. 1,095,557; May 5; Gaz. vol. 202; p. 132.
- Davis, Charles L., Detroit, Mich., assignor to Underwood Typewriter Company, New York, N. Y. Automatic typewriter operator. No. 1,099,895; June 9; Gaz. vol. 203; p. 566.
- Davis, Charles T., Brooklyn, N. Y. Package for fragile tubes. No. 1,121,232; Dec. 15; Gaz. vol. 209; p. 896.
- Davis, Charles W. (See Coburn and Davis.)
- Davis, Charles W., Edgeworth, assignor to Standard Underground Cable Company, Pittsburgh, Pa. Junction-box for electrical conductors. No. 1,093,607; Apr. 21; Gaz. vol. 201; p. 580.
- Davis, Charles W., Edgeworth, assignor to Standard Underground Cable Co., Pittsburgh, Pa. Compound metallic article. No. 1,101,729; June 30; Gaz. vol. 203; p. 1339.
- Davis, Charles W., Edgeworth, assignor to Standard Underground Cable Company, Pittsburgh, Pa. Junction-box. No. 1,107,499; Aug. 18; Gaz. vol. 205; p. 762.
- Davis, Charlie F., Shawnee, Okla. Cultivator. No. 1,104,636; July 21; Gaz. vol. 204; p. 925.
- Davis, Clarence H., Benge, Wash. Emergency-brake. No. 1,120,796; Dec. 15; Gaz. vol. 209; p. 743.
- Davis, Claude B., and D. A. Davison, assignors to Cork Extractor Corporation of America, Richmond, Va. Bottle-stopper. No. 1,113,604; Oct. 13; Gaz. vol. 207; p. 459.
- Davis, Claude M., Longbeach, Cal. Wrench. No. 1,094,536; Apr. 28; Gaz. vol. 201; p. 953.
- Davis, Cleland, U. S. Navy, assignor to Ordnance Development Company. Aeroplane-gun. No. 1,108,714; Aug. 25; Gaz. vol. 205; p. 1232.
- Davis, Cleland, U. S. Navy, assignor to Ordnance Development Company. Apparatus for firing projectiles from aeroplanes. No. 1,108,715; Aug. 25; Gaz. vol. 205; p. 1233.
- Davis, Cleland, U. S. Navy, assignor to Ordnance Development Company. Apparatus for firing projectiles from air-craft. No. 1,108,716; Aug. 25; Gaz. vol. 205; p. 1233.

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- Davis, Cleland, U. S. Navy, assignor to Ordnance Development Company, Groton, Conn. Fixed ammunition for use on air-craft. No. 1,108,717; Aug. 25; Gaz. vol. 205; p. 1234.
- Davis, Clement. (See Wolfe, Abner K., assignor.)
- Davis, Cleveland G., Manistee, Mich., assignor to C. G. Davis Company, Lomax, Ill. Combination clothes-brush. No. 1,101,065; June 23; Gaz. vol. 203; p. 1062.
- Davis, David W. (See Clayville and Davis.)
- Davis, Donald C., Depew, assignor to Gould Coupler Company, New York, N. Y. Car journal-box. No. 1,109,281; Sept. 1; Gaz. vol. 206; p. 151.
- Davis, Donald C., Depew, assignor to Gould Coupler Company, New York, N. Y. Journal-box. No. 1,123,110; Dec. 29; Gaz. vol. 209; p. 1623.
- Davis Drug Company. (See Van Zandt, Luther L., assignor.)
- Davis, Earl R., Cincinnati, Ohio. Flying-machine. No. 1,113,881; Oct. 13; Gaz. vol. 207; p. 556.
- Davis, Edward J., Rochester, N. Y. Saw-table attachment. No. 1,118,477; Nov. 24; Gaz. vol. 208; p. 1172.
- Davis, Edward W., Indianapolis, Ind. Cushioned vehicle-axle. No. 1,113,202; Oct. 13; Gaz. vol. 207; p. 316.
- Davis, Edward W., Indianapolis, Ind. Cushioned vehicle-axle. No. 1,113,545; Oct. 13; Gaz. vol. 207; p. 440.
- Davis, Edward W., Hollis, N. Y., assignor to Westinghouse Automatic Air & Steam Coupler Company, St. Louis, Mo. Pipe-coupling gasket. No. 1,083,350; Jan. 6; Gaz. vol. 198; p. 31.
- Davis, Edwin P., Bridgeport, Conn. Window-lock. No. 1,114,867; Oct. 27; Gaz. vol. 207; p. 995.
- Davis, Egbert H., assignor to The Beals & Selkirk Trunk Company, Wyandotte, Mich. Garment-hanger. No. 1,101,837; June 30; Gaz. vol. 203; p. 1377.
- Davis Electric Company. (See McCoy, James A., Jr., assignor.)
- Davis, Elmer O., Denver, Colo. Hot-bearing alarm. No. 1,105,888; Aug. 4; Gaz. vol. 205; p. 105.
- Davis, Elnino D., assignor to F. X. Mudd, Chicago, Ill. Poultry-car. No. 1,099,119; June 2; Gaz. vol. 203; p. 254.
- Davis, Emma, Fort Worth, Tex. Collapsible stove. No. 1,092,027; Mar. 31; Gaz. vol. 200; p. 1311.
- Davis, Emry, Brooklyn, N. Y. Inkstand. No. 1,093,770; Apr. 21; Gaz. vol. 201; p. 636.
- Davis, Emry, Brooklyn, N. Y. Inkstand. No. 1,100,421; June 16; Gaz. vol. 203; p. 787.
- Davis, Emry, Brooklyn, N. Y. Inkstand. No. 1,113,203; Oct. 13; Gaz. vol. 207; p. 317.
- Davis, Ernest S., Knoxville, assignor to Davis Automatic Filing Company, Bristol, Tenn. Indexing apparatus. No. 1,108,344; Aug. 25; Gaz. vol. 205; p. 1105.
- Davis, Ernest S., assignor to Davis Automatic Filing Company, Inc., Bristol, Tenn. Filing-cabinet. No. 1,121,330; Dec. 15; Gaz. vol. 209; p. 929.
- Davis, Eugene H. (See Lacroix, Joseph D., assignor.)
- Davis, Frances W., Colorado Springs, Colo. Adjustable bed-table. No. 1,118,746; Nov. 24; Gaz. vol. 208; p. 1264.
- Davis, Frank E., Pontiac, Mich. Rack for holding paper bags. No. 1,119,810; Dec. 8; Gaz. vol. 209; p. 348.
- Davis, Frank E., assignor to La Crosse Plow Co., La Crosse, Wis. Plow. No. 1,097,396; May 19; Gaz. vol. 202; p. 842.
- Davis, Frank M., Milwaukee, Wis. Lubricating system for engines. No. 1,113,204; Oct. 13; Gaz. vol. 207; p. 317.
- Davis, Fred E., Morgan Park, Ill. Stoker for underfeed furnace-grates. No. 1,085,248; Jan. 27; Gaz. vol. 198; p. 761.
- Davis, Fred M., Chicago, Ill., assignor to Pullman Couch Company, Sofa-bed. No. 1,120,911; Dec. 15; Gaz. vol. 209; p. 785.
- Davis, Frederick H., assignor to The National Book Cover Company, Syracuse, N. Y. Envelop-fastener. No. 1,093,572; Apr. 14; Gaz. vol. 201; p. 525.
- Davis, Frederick W. (See Hagner, Frederick H., assignor.)
- Davis, Frederick W., assignor to Frigid Fluid Company, Chicago, Ill. Arterial tube. No. 1,109,626; Sept. 1; Gaz. vol. 206; p. 270.
- Davis & Furber Machine Company. (See Rundlett, William D., assignor.)
- Davis, George H. (See Sanders, Louis M., assignor.)
- Davis, George H., West Orange, N. J. Apron-feed for perforating-machines. No. 1,094,537; Apr. 28; Gaz. vol. 201; p. 953.
- Davis, George H., Portland, Me. Paper cap for milk-bottles. No. 1,107,267; Aug. 18; Gaz. vol. 205; p. 679.
- Davis, George H., assignor to E. T. Burrowes, Portland, Me. Metal fly-screen. No. 1,120,695; Dec. 15; Gaz. vol. 209; p. 708.
- Davis, George H., assignor to E. T. Burrowes Company, Portland, Me. Window-screen. No. 1,121,898; Dec. 22; Gaz. vol. 209; p. 1164.
- Davis, George M., *et al.* (See Swyers, Price P., assignor.)
- Davis, George W. (See Stokes and Davis.)
- Davis, George W., Westmount, Quebec, Canada. Roller-bearing for type-writers. No. 1,097,215; May 19; Gaz. vol. 202; p. 779.
- Davis, George W., Westmount, Quebec, Canada. Ribbon mechanism for type-writers. No. 1,115,177; Oct. 27; Gaz. vol. 207; p. 1106.
- Davis, Glenn C. (See Crutcher and Davis.)
- Davis, Harry A., assignor to Draper Company, Hopedale, Mass. Shuttle-feeler mechanism for looms. No. 1,084,878; Jan. 20; Gaz. vol. 198; p. 598.
- Davis, Harry A., assignor to Draper Company, Hopedale, Mass. Shuttle-feeler mechanism for looms. No. 1,091,813; Mar. 31; Gaz. vol. 200; p. 1241.
- Davis, Harry E., Chicago, Ill. Filing-case or the like. No. 1,103,945; July 21; Gaz. vol. 204; p. 687.
- Davis, Harry L., Saratoga Springs, N. Y. Automatic water-feed for poultry. No. 1,107,268; Aug. 18; Gaz. vol. 205; p. 679.
- Davis, Henry, Nashville, Tenn. Drill-oiler. No. 1,112,198; Sept. 29; Gaz. vol. 206; p. 1332.
- Davis, Herbert F., Cumberland Center, Me. Foot-guard. No. 1,092,246; Apr. 7; Gaz. vol. 201; p. 42.
- Davis, Hiram A., Nashville, Tenn., assignor to Ohmer Fare Register Company, Dayton, Ohio. Stile or barrier. No. 1,086,315; Feb. 3; Gaz. vol. 199; p. 255.
- Davis, Isaac H., Boston, Mass., assignor of two-thirds to H. H. Westinghouse, New York, N. Y. Motor-mower. No. 1,116,390; Nov. 10; Gaz. vol. 208; p. 356.
- Davis, James A., Washington, D. C. Antislipping attachment for horseshoes. No. 1,097,616; May 26; Gaz. vol. 202; p. 959.
- Davis, James B., assignor of one-half to W. M. Allen, Brady, Tex. Neck-yoke. No. 1,123,698; Dec. 29; Gaz. vol. 209; p. 1479.
- Davis, James J., Sr., St. Marys, Mo. Spring vehicle-wheel. No. 1,115,178; Oct. 27; Gaz. vol. 207; p. 1107.
- Davis, James M., Indianapolis, Ind., assignor, by mesne assignments, to Empire Voting Machine Company. Interlock for voting-machines. No. 1,119,139; Dec. 1; Gaz. vol. 209; p. 84.
- Davis, Jasper N., Denver, Colo. Battery-tray connection. No. 1,087,531; Feb. 17; Gaz. vol. 199; p. 775.
- Davis, Jasper N., Denver, Colo. Storage-battery insulation. No. 1,088,210; Feb. 24; Gaz. vol. 199; p. 1058.
- Davis, Jephtha P., Booneville, Ark. Fly-trap. No. 1,096,355; May 12; Gaz. vol. 202; p. 440.
- Davis, Jesse M., Wilkinsburg, Pa. Pliers sheath or holder. No. 1,088,406; Feb. 24; Gaz. vol. 199; p. 1123.
- Davis, John, Bloomington, Ill. Swimming device. No. 1,094,538; Apr. 28; Gaz. vol. 201; p. 953.
- Davis, John A., assignor of one-fourth to M. R. Miller, Naco, Ariz., one-fourth to J. M. Miller, Vacaville, and one-fourth to T. Davis, Oakland, Cal. Carbureter. No. 1,091,426; Mar. 24; Gaz. vol. 200; p. 1061.
- Davis, John B., Lansdowne, assignor to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Collapsible tube. No. 1,122,868; Dec. 29; Gaz. vol. 209; p. 1539.
- Davis, John B., Lansdowne, assignor to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Means for controlling discharge of material from collapsible tubes. No. 1,122,869; Dec. 29; Gaz. vol. 209; p. 1540.
- Davis, John C., Harbor Beach, Mich. Seal. No. 1,088,810; Mar. 3; Gaz. vol. 200; p. 46.
- Davis, John E., *et al.* (See Glassco, Robert C., assignor.)
- Davis, John H., Hamilton, Ohio. Clayware-press. No. 1,120,291; Dec. 8; Gaz. vol. 209; p. 516.
- Davis, John J., assignor to The William Tod Company, Youngstown, Ohio. Receiving-table. No. 1,117,004; Nov. 10; Gaz. vol. 208; p. 575.
- Davis, John J., and T. F. Terry, Cleveland, Ohio. Protective water-gage glass for boilers. No. 1,090,519; Mar. 17; Gaz. vol. 200; p. 726.
- Davis, John M., McGraw, assignor of one-half to D. Kernan, Cortland, N. Y. Aeroplane. No. 1,107,913; Aug. 18; Gaz. vol. 205; p. 905.
- Davis, John T., Alameda, assignor to Davis Topping Company, San Francisco, Cal. Evaporating and distilling apparatus. No. 1,103,946; July 21; Gaz. vol. 204; p. 688.
- Davis, Joseph H. (See Davis, Thomas C. and J. H.)
- Davis, Joseph L., deceased, Pittsburgh, Pa., assignor to Westinghouse Electric & Mfg. Co. Electric locomotive. (Reissue.) No. 13,777; July 21, Gaz. vol. 204; p. 972.
- Davis, Joseph L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,115,406; Oct. 27; Gaz. vol. 207; p. 1183.
- Davis, Joseph V., Concord, N. C. Anchor for teeth-fillings. No. 1,119,407; Dec. 1; Gaz. vol. 209; p. 176.
- Davis, L. R. (See Gates, Daniel F., assignor.)
- Davis, Leona, *et al.* (See Baum, James B., assignor.)
- Davis, Leonard D., Erie, Pa. Manufacture of seamless tubes. No. 1,123,178; Dec. 29; Gaz. vol. 209; p. 1649.
- Davis, Leonard D., Erie, Pa. Apparatus for cross-rolling round bodies. No. 1,123,179; Dec. 29; Gaz. vol. 209; p. 1650.
- Davis, Leonard W., assignor to L. Davis, Herkimer, N. Y. Game apparatus. No. 1,110,905; Sept. 15; Gaz. vol. 206; p. 808.

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- Davis, Lewis K., New York, N. Y. Building construction. No. 1,107,411; Aug. 18; Gaz. vol. 205; p. 731.
- Davis, Lewis W., Seattle, Wash. Power-transmission means. No. 1,107,412; Aug. 18; Gaz. vol. 205; p. 732.
- Davis, Lula. (See Davis, Leonard W., assignor.)
- Davis, Luther J. (See Crump and Davis.)
- Davis, Milton E., Canastota, N. Y. Pail. No. 1,092,767; Apr. 7; Gaz. vol. 201; p. 221.
- Davis, Nathan H., Philadelphia, Pa., assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Shoe-reinforcement. No. 1,099,430; June 9; Gaz. vol. 203; p. 408.
- Davis, Nathan H., Philadelphia, Pa., assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Making brake-shoe reinforcements. No. 1,100,175; June 16; Gaz. vol. 203; p. 701.
- Davis, Nathan H., Philadelphia, Pa., assignor to American Brake Shoe & Foundry Company, Jersey City, N. J. Metal cutting and bending machine. No. 1,102,327; July 7; Gaz. vol. 204; p. 37.
- Davis, Oscar C., assignor of one-half to S. Freshman, Dallas, Tex. Counting-machine. No. 1,088,971; Mar. 3; Gaz. vol. 200; p. 102.
- Davis, Pearl D., and E. M. Paxson, Belle Center, Ohio. Cooling device for explosive-engines. No. 1,090,288; Mar. 17; Gaz. vol. 200; p. 644.
- Davis, Philip A., Bisbee, Ariz. Adjustable bracket. No. 1,102,480; July 7; Gaz. vol. 204; p. 91.
- Davis, Ray W., Brownsville, Pa. Rail-joint. No. 1,084,072; Jan. 13; Gaz. vol. 198; p. 299.
- Davis, Ray W., Brownsville, Pa. Spike. No. 1,119,686; Dec. 1; Gaz. vol. 209; p. 270.
- Davis, Robert W., Chicago, Ill. Washing-machine. No. 1,119,578; Dec. 1; Gaz. vol. 209; p. 235.
- Davis, Roy, Long Beach, Cal. Rope-clutch for hoists. No. 1,105,624; Aug. 4; Gaz. vol. 205; p. 13.
- Davis, Royal S., Newmire, Colo., assignor to Primos Chemical Company, Primos, Pa. Securing the precipitation of rare-metal oxids. No. 1,119,929; Dec. 8; Gaz. vol. 209; p. 390.
- Davis Sewing Machine Company, The. (See Knopf and Burrier, assignors.)
- Davis, Stephen G., Cayuga, Ind. Car-step attachment. No. 1,095,086; Apr. 28; Gaz. vol. 201; p. 1145.
- Davis, Stephen L., Kansas City, Mo. Locating instrument. No. 1,119,779; Dec. 1; Gaz. vol. 209; p. 300.
- Davis, Thomas. (See Crouse, Eidson, and Davis.)
- Davis, Thomas C. and J. H., London, England. Apparatus for the manufacture of metal beadings. No. 1,101,416; June 23; Gaz. vol. 203; p. 1180.
- Davis, Thomas E., Cambridge, Mass. Measuring-faucet. No. 1,094,982; Apr. 28; Gaz. vol. 201; p. 1111.
- Davis Topping Company. (See Davis, John T., assignor.)
- Davis, Trayharn, Oakland, Cal. Multiple-tool holder. No. 1,113,882; Oct. 13; Gaz. vol. 207; p. 557.
- Davis, Trayharne, *et al.* (See Davis, John A., assignor.)
- Davis, Verner F., Orange, N. J. Hygrostat. No. 1,088,972; Mar. 3; Gaz. vol. 200; p. 103.
- Davis, Waters S., Jr., assignor to Seaboard Rice Milling Co., Galveston, Tex. Sterilizing and packaging rice. No. 1,094,197; Apr. 21; Gaz. vol. 201; p. 780.
- Davis, William, *et al.* (See Richard, Zacharie B., assignor.)
- Davis, William B. (See Armstrong, Charles, assignor.)
- Davis, William E., Morristown, N. J. Fence. No. 1,095,459; May 5; Gaz. vol. 202; p. 98.
- Davis, William E., Burkett, Ind. Clip. No. 1,105,497; July 28; Gaz. vol. 204; p. 1275.
- Davis, William E., Portland, Oreg. Device for printing on wrapping-paper rolls. No. 1,112,421; Sept. 29; Gaz. vol. 206; p. 1411.
- Davis, William E., New Ipswich, N. H. Smoking-pipe. (Reissue.) No. 13,827; Nov. 17; Gaz. vol. 208; p. 952.
- Davis, William H., Muncie, Ind. Lampblack-machine. No. 1,111,009; Sept. 22; Gaz. vol. 206; p. 886.
- Davis, William J., Chicago, Ill. Series of holding-vats. No. 1,107,764; Aug. 18; Gaz. vol. 205; p. 856.
- Davis, William J., Chicago, Ill. Pasteurizing apparatus. No. 1,107,765; Aug. 18; Gaz. vol. 205; p. 857.
- Davis, William J., Jr., Chicago, Ill. Inverted lamp. No. 1,106,631; Aug. 11; Gaz. vol. 205; p. 410.
- Davis, William L. (See Knittel and Davis.)
- Davis, William R., Columbus, Ohio. Air-brake apparatus. No. 1,095,087; Apr. 28; Gaz. vol. 201; p. 1145.
- Davis, William R., Wills Point, assignor of one-half to P. T. Hardee, Chandler, Tex. Bagging-stretcher. No. 1,102,391; July 7; Gaz. vol. 204; p. 59.
- Davis, William R., and G. F. Stickney, Albany, N. Y. Siphon-spillway. No. 1,083,995; Jan. 13; Gaz. vol. 198; p. 273.
- Davis, William T. (See Blandin, Davis, and Reynolds.)
- Davis, Wilton H., Camden, N. J. Display-case. No. 1,102,145; June 30; Gaz. vol. 203; p. 1487.
- Davison, Charles W., W. Herriot, E. T. Spidy, and F. A. Mattson, Winnipeg, Manitoba, Canada. Shocking-machine. No. 1,103,273; July 14; Gaz. vol. 204; p. 414.
- Davison, Cora G., Denver, Colo. Collapsible bonnet. No. 1,096,415; May 12; Gaz. vol. 202; p. 459.
- Davison, Dorsett A. (See Davis and Davison.)
- Davison, Dorsett A., Richmond, Va. Window. No. 1,117,954; Nov. 17; Gaz. vol. 208; p. 947.
- Davison, Edward H., and E. L. Dummer, assignors to American Hosiery Company, New Britain, Conn. Union suit or combination-garment. No. 1,092,809; Apr. 7; Gaz. vol. 201; p. 235.
- Davison, Edward H., and M. K. Pasco, assignors to American Hosiery Company, New Britain, Conn. Union suit. No. 1,092,900; Apr. 14; Gaz. vol. 201; p. 301.
- Davison, George J., assignor of one-half to M. J. Summerfield, Richmond, Va. Cork-extractor. No. 1,112,600; Oct. 6; Gaz. vol. 207; p. 68.
- Davison, Gregory C., Quincy, Mass. Torpedo-launching apparatus. No. 1,122,699; Dec. 29; Gaz. vol. 209; p. 1480.
- Davison, Gregory C., Quincy, Mass. Apparatus for launching torpedoes. No. 1,122,700; Dec. 29; Gaz. vol. 209; p. 1480.
- Davison, Herbert, and L. C. Harvey, Battersea, assignors to The Morgan Crucible Company, Limited, London, England. Metallurgical furnace. No. 1,118,534; Nov. 24; Gaz. vol. 208; p. 1191.
- Davison, Hugh, assignor of one-half to D. J. McKenna, New Haven, Conn. Self-closing car-fender. No. 1,118,535; Nov. 24; Gaz. vol. 208; p. 1191.
- Davison, John O., Memphis, Tenn. Concrete construction. No. 1,116,391; Nov. 10; Gaz. vol. 208; p. 356.
- Davison, Sidney M., assignor to Marconi's Wireless Telegraph Company Limited, London, England. Subaqueous audible signaling apparatus. No. 1,121,986; Dec. 22; Gaz. vol. 209; p. 1196.
- Davitt, Thomas, Atlanta, Ga. Wire twisting or splicing machine. No. 1,092,028; Mar. 31; Gaz. vol. 200; p. 1312.
- Davoll, Lewis F., Cedar Bluff, Va. Metallic railway-tie. No. 1,123,111; Dec. 29; Gaz. vol. 209; p. 1623.
- Davy, Charles F., Syracuse, N. Y. Fire-escape. No. 1,116,680; Nov. 10; Gaz. vol. 208; p. 462.
- Davy, Christopher S. (See Rosenthal and Davy.)
- Davy, Frank, St. Thomas, Ontario, Canada. Lifting-jack. No. 1,088,263; Feb. 24; Gaz. vol. 199; p. 1075.
- Daw, William P., assignor of one-half to The Wilbur S. Steele Co., Hartford, Conn. Hot-air-furnace bonnet. No. 1,094,309; Apr. 21; Gaz. vol. 201; p. 815.
- Dawes, John L., Pittsburgh, Pa. Illuminated sign. No. 1,087,574; Feb. 17; Gaz. vol. 199; p. 791.
- Dawes, John L., Pittsburgh, Pa. Illuminated sign. No. 1,106,135; Aug. 4; Gaz. vol. 205; p. 193.
- Dawley, Herbert M., Buffalo, N. Y. Headlight construction for vehicles. No. 1,096,802; May 12; Gaz. vol. 202; p. 590.
- Dawley, Herbert M., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Window construction. No. 1,115,056; Oct. 27; Gaz. vol. 207; p. 1063.
- Daws, Edgar F., Sioux City, Iowa. Gasolene-strainer. No. 1,107,766; Aug. 18; Gaz. vol. 205; p. 857.
- Dawson, Artemas L., Westfield, N. Y. Grape-scissors. No. 1,108,112; Aug. 18; Gaz. vol. 205; p. 977.
- Dawson, Arthur T., and G. T. Buckham, assignors, by mesne assignments, to Vickers, Limited, Westminster, London, England. Firing-gear of breech-loading ordnance. No. 1,087,219; Feb. 17; Gaz. vol. 199; p. 667.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Breech-actuating mechanism of semi-automatic and quick-firing guns. No. 1,088,211; Feb. 24; Gaz. vol. 199; p. 1058.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Breech mechanism of semi-automatic and quick-firing guns. No. 1,088,212; Feb. 24; Gaz. vol. 199; p. 1058.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Breech mechanism of semi-automatic and quick-firing guns. No. 1,088,213; Feb. 24; Gaz. vol. 199; p. 1059.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, England. Firing mechanism of breech-loading guns. No. 1,091,638; Mar. 31; Gaz. vol. 200; p. 1179.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, England. Firing mechanism of breech-loading guns. No. 1,091,639; Mar. 31; Gaz. vol. 200; p. 1180.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, England. Cartridge-feed mechanism of automatic guns. No. 1,091,640; Mar. 31; Gaz. vol. 200; p. 1180.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Tripod mounting for automatic guns. No. 1,093,319; Apr. 14; Gaz. vol. 201; p. 446.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Lock mechanism of breech-loading guns. No. 1,095,558; May 5; Gaz. vol. 202; p. 132.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Firing mechanism of breech-loading guns. No. 1,096,155; May 12; Gaz. vol. 202; p. 370.

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- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Percussive firing mechanism of breech-loading guns. No. 1,105,625; Aug. 4; Gaz. vol. 205; p. 13.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Percussive firing mechanism. No. 1,105,626; Aug. 4; Gaz. vol. 205; p. 13.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Percussive firing mechanism. No. 1,105,627; Aug. 4; Gaz. vol. 205; p. 14.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Ranging and pointing gear of ordnance. No. 1,106,083; Aug. 4; Gaz. vol. 205; p. 174.
- Dawson, Arthur T., and G. T. Buckham, London, assignors, by mesne assignments, to Vickers Limited, Westminster, England. Recoil and running-out gear for ordnance. No. 1,109,047; Sept. 1; Gaz. vol. 206; p. 68.
- Dawson, Arthur T., and G. T. Buckham, London, assignors to Vickers Limited, Westminster, England. Automatic gun-mounting. No. 1,110,257; Sept. 8; Gaz. vol. 206; p. 538.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Sighting apparatus for ordnance. No. 1,112,526; Oct. 6; Gaz. vol. 207; p. 40.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Lock mechanism of breech-loading guns. No. 1,116,026; Nov. 3; Gaz. vol. 208; p. 191.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Lock mechanism of breech-loading guns. No. 1,116,027; Nov. 3; Gaz. vol. 208; p. 191.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Firing mechanism of breech-loading ordnance. No. 1,116,392; Nov. 10; Gaz. vol. 208; p. 356.
- Dawson, Arthur T., Westminster, London, and J. Horne, Barrow-in-Furness, assignors to Vickers Limited, Westminster, England. Loading apparatus of heavy guns. No. 1,094,128; Apr. 21; Gaz. vol. 201; p. 756.
- Dawson, Arthur T., Westminster, London, and J. Horne, Barrow-in-Furness, assignors to Vickers Limited, Westminster, England. Control of the breech-actuating mechanism and loading apparatus of heavy guns. No. 1,094,129; Apr. 21; Gaz. vol. 201; p. 756.
- Dawson, Arthur T., Westminster, London, and J. Horne, Barrow-in-Furness, assignors to Vickers Limited, Westminster, England. Loading apparatus of heavy guns. No. 1,094,130; Apr. 21; Gaz. vol. 201; p. 756.
- Dawson, Charles, Tacoma, Wash. Wheat scouring, washing, and drying machine. No. 1,116,572; Nov. 10; Gaz. vol. 208; p. 422.
- Dawson, Charles B., Fulton, N. Y., assignor to E. Harlan, receiver. Dumping-car. No. 1,094,198; Apr. 21; Gaz. vol. 201; p. 780.
- Dawson, Charles F., and W. Fennell, Barnesboro, Pa. Curtain-stretching device. No. 1,088,547; Feb. 24; Gaz. vol. 199; p. 1169.
- Dawson, Charles O., Chetopa, Kans. Ice-making apparatus. No. 1,120,604; Dec. 8; Gaz. vol. 209; p. 628.
- Dawson, Edward S., Jr., Schenectady, N. Y., assignor to General Electric Company. Resinous condensation product. No. 1,085,112; Jan. 27; Gaz. vol. 198; p. 713.
- Dawson, Edwin T., Lamoni, Iowa. Trap. No. 1,090,031; Mar. 10; Gaz. vol. 200; p. 513.
- Dawson, Isaac N., Peru, Ind. Gate. No. 1,092,901; Apr. 14; Gaz. vol. 201; p. 301.
- Dawson, James B., Pompeys Pillar, Mont. Beet-harvester. No. 1,094,983; Apr. 28; Gaz. vol. 201; p. 1112.
- Dawson, James C., Webster Groves, Mo. Shiftable-sheet binder. No. 1,118,637; Nov. 24; Gaz. vol. 208; p. 1226.
- Dawson, John, assignor to Trussed Concrete Steel Company of Canada, Limited, Walkerville, Ontario, Canada. Window-operating device. No. 1,101,257; June 23; Gaz. vol. 203; p. 1127.
- Lawson, John W., assignor of one-half to J. C. Depew, Chicago, Ill. Power-transmission mechanism. No. 1,116,028; Nov. 3; Gaz. vol. 208; p. 192.
- Dawson, Mose, Los Angeles, Cal. Fireproof partition. No. 1,102,883; July 7; Gaz. vol. 204; p. 230.
- Dawson, Oliver S., and C. L. Finlay, High Holborn, assignors to G. F. R. Baguley, London, England. Making color-screens. No. 1,085,727; Feb. 3; Gaz. vol. 199; p. 52.
- Dawson, Percy B., Berkeley, Cal. Vehicle-tire. No. 1,089,116; Mar. 3; Gaz. vol. 200; p. 152.
- Dawson, William R., East Liverpool, Ohio. Sawing apparatus. No. 1,108,718; Aug. 25; Gaz. vol. 205; p. 1234.
- Day, Albert V. T. (See Lane and Day.)
- Day, Albert V. T., assignor to C. Hubert, New York, N. Y. Controlling mechanism for hydraulic motors. No. 1,099,238; June 9; Gaz. vol. 203; p. 341.
- Day, Albert V. T., New Rochelle, assignor, by mesne assignments, to Hall Switch & Signal Company, New York, N. Y. Railway signaling system. No. 1,099,283; June 9; Gaz. vol. 203; p. 356.
- Day, Albert V. T., New Rochelle, N. Y., assignor to The Hall Switch and Signal Company. Traffic-controlling system for railways. No. 1,119,249; Dec. 1; Gaz. vol. 209; p. 120.
- Day, Alfred, Philadelphia, Pa. Roaster and broiler. No. 1,085,671; Feb. 3; Gaz. vol. 199; p. 33.
- Day, Alfred B., Knoxville, Tenn. Wheel structure. No. 1,109,905; Sept. 8; Gaz. vol. 206; p. 412.
- Day, Alfred B., Knoxville, Tenn. Mining-car wheel. No. 1,109,906; Sept. 8; Gaz. vol. 206; p. 412.
- Day, Alfred B., Knoxville, Tenn. Mining-car wheel. No. 1,117,344; Nov. 17; Gaz. vol. 208; p. 734.
- Day, Alfred L., assignor to American Perforator Company, Chicago, Ill. Clutch-trip-actuating device. No. 1,103,570; July 14; Gaz. vol. 204; p. 515.
- Day, Charles, and G. E. Windeler, Stockport, England, assignors to General Electric Company. Centrifugal governor. (Reissue.) No. 1,3682; Feb. 3; Gaz. vol. 199; p. 264.
- Day, Charles, and G. E. Windeler, Stockport, England, assignors to General Electric Company. Valve mechanism for air-compressors. No. 1,088,264; Feb. 24; Gaz. vol. 199; p. 1076.
- Day, Charles, and G. E. Windeler, Stockport, England, assignors to General Electric Company. Air-compressor. No. 1,088,265; Feb. 24; Gaz. vol. 199; p. 1076.
- Day, Charles, and G. E. Windeler, Stockport, England, assignors to General Electric Company. Piston for internal-combustion engines. No. 1,089,823; Mar. 10; Gaz. vol. 200; p. 442.
- Day, Charles, and G. E. Windeler, Stockport, England, assignors to General Electric Company. Cylinder-cover. No. 1,097,850; May 26; Gaz. vol. 202; p. 1043.
- Day, Charles, and G. E. Windeler, Stockport, England, assignors to General Electric Company. Cam and adjusting device therefor. No. 1,104,637; July 21; Gaz. vol. 204; p. 926.
- Day, Charles, and G. E. Windeler, Stockport, England, assignors to General Electric Company. Fuel-pump. No. 1,115,179; Oct. 27; Gaz. vol. 207; p. 1107.
- Day, Charles, and G. E. Windeler, Stockport, England, assignors to General Electric Company. Fuel-pump. No. 1,115,180; Oct. 27; Gaz. vol. 207; p. 1107.
- Day, David E., Washington, D. C. Sanitary drinking-fountain. No. 1,096,021; May 12; Gaz. vol. 202; p. 324.
- Day, E. R. (See Franz, Frank, assignor.)
- Day, Edgar K., Wheeling, W. Va., and M. L. Hunker, Bellaire, Ohio, assignors to Wheeling Corrugating Company. Hanger for conductor-pipes. No. 1,116,573; Nov. 10; Gaz. vol. 208; p. 422.
- Day, Edward J., assignor of one-fourth to W. J. Bauer, Milwaukee, Wis. Line-fastener. No. 1,092,563; Apr. 7; Gaz. vol. 201; p. 151.
- Day, Edward S., East Boston, Mass. Fly-catcher. No. 1,118,845; Nov. 24; Gaz. vol. 208; p. 1296.
- Day, Eva M., and L. A. Smith, Gaines, Pa. Automatic dump-bucket. No. 1,091,199; Mar. 24; Gaz. vol. 200; p. 989.
- Day, Frank E., Tacoma, Wash. Belt-strap for overalls. No. 1,107,158; Aug. 11; Gaz. vol. 205; p. 594.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Lens attachment. No. 1,119,811; Dec. 8; Gaz. vol. 209; p. 348.
- Day, George W., Chicago, Ill. Check-valve. No. 1,120,696; Dec. 15; Gaz. vol. 209; p. 708.
- Day, Gerald S., Oldham, England. Connector. No. 1,105,889; Aug. 4; Gaz. vol. 205; p. 105.
- Day, Hallock D., et al. (See McFarland, Walter A., assignor.)
- Day, Harry L., Shoreham, N. Y. Canning-boiler. No. 1,101,730; June 30; Gaz. vol. 203; p. 1339.
- Day, James M., Omaha, Tex. Post-hole digger. No. 1,121,615; Dec. 22; Gaz. vol. 209; p. 1064.
- Day, James S., New Orleans, La. Recoil-pad for gun-stocks. No. 1,123,180; Dec. 29; Gaz. vol. 209; p. 1650.
- Day, John J., Montreal, Quebec, Canada. Non-refillable bottle. No. 1,116,681; Nov. 10; Gaz. vol. 208; p. 463.
- Day, John L., Memphis, Tenn. Automobile-lamp. No. 1,101,122; June 23; Gaz. vol. 203; p. 1031.
- Day, La Force. (See Rossetter, Charles F., assignor.)
- Day, Leonard, New York, N. Y., assignor to Initial Company. Filler-form. No. 1,117,964; Nov. 17; Gaz. vol. 208; p. 951.
- Day, Marcus L., Polson, Mont. Pipe-fastener. No. 1,099,846; June 9; Gaz. vol. 203; p. 548.
- Day, Park L., Frazee, Minn., assignor of one-half to F. Kiehn, Kennedy, Mich. Bean-sorting machine. No. 1,105,890; Aug. 4; Gaz. vol. 205; p. 105.
- Day, Percy C., Milwaukee, Wis. Starting-gearing for automobiles. No. 1,098,344; May 26; Gaz. vol. 202; p. 1216.
- Day, Walter A. (See Goetze and Day.)
- Day, Warren S. (See Simmons and Day.)
- Day, Wilbur F. (See Miller and Day.)

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- Day, William P., Cleveland, Ohio. Substructure for railway-crossings. No. 1,086,901; Feb. 10; Gaz. vol. 199; p. 507.
- Day, William W., Washington, D. C. Card-index box. No. 1,110,748; Sept. 15; Gaz. vol. 206; p. 751.
- Dayan, Sylvain, Montreal, Quebec, Canada. Attachment for sound-reproducing instruments. No. 1,095,195; May 5; Gaz. vol. 202; p. 7.
- Dayiantis, John M., Chicago, Ill. Ventilating-fan. No. 1,084,540; Jan. 13; Gaz. vol. 198; p. 452.
- Dayton, Darcy M. (See Desormeau and Dayton.)
- Dayton Engineering Laboratories Co., The. (See Kettering, Charles F., assignor.)
- Dayton, Estey F., New York, N. Y. File. No. 1,109,114; Sept. 1; Gaz. vol. 206; p. 91.
- Dayton, George W., *et al.* (See Swanberg, Arthur W., assignor.)
- Dayton Manufacturing Company, The. (See Schumacher, John C., assignor.)
- Dayton Paper Novelty Company, The. (See Numann, Theodore L., assignor.)
- De Anguera, Philip, Jr., Chicago, Ill. Wind-shield. No. 1,085,113; Jan. 27; Gaz. vol. 198; p. 713.
- De Beers, Franklin M., Chicago, Ill. Evaporator. No. 1,117,005; Nov. 10; Gaz. vol. 208; p. 576.
- De Bevoise, Charles R., Newark, N. J. Brassière. No. 1,106,184; Aug. 4; Gaz. vol. 205; p. 209.
- De Bleux, Olive J., Chicago, Ill. Lady's undergarment. No. 1,110,749; Sept. 15; Gaz. vol. 206; p. 752.
- De Bow, Richard E. A., Bradley Beach, N. J. Nail-set. No. 1,112,056; Sept. 29; Gaz. vol. 206; p. 1283.
- De Bry, Henry, Ogden, Utah. Shoestrapping-fastener. No. 1,085,550; Jan. 27; Gaz. vol. 198; p. 861.
- De Buhr, Harm J., *et al.* (See Beane, Joseph L., assignor.)
- De Buhr, James W., *et al.* (See Beane, Joseph L., assignor.)
- De Buhr, John H., St. Louis, Mo. Automatic clutch-release. No. 1,107,915; Aug. 18; Gaz. vol. 205; p. 906.
- De Carmelo, Tony C., Painesville, Ohio. Repairing damaged toe-boxes. No. 1,103,493; July 14; Gaz. vol. 204; p. 487.
- De Carteret, William G. S., Beer, England. Cable-grip. No. 1,114,235; Oct. 20; Gaz. vol. 207; p. 721.
- De Cew, Judson A., Montreal, Quebec, Canada. Rosin-soap sizing composition. No. 1,099,168; June 9; Gaz. vol. 203; p. 316.
- De Clairmont, Adolfo, Toledo, Ohio. Ignition-indicating device for internal-combustion engines. No. 1,084,397; Jan. 13; Gaz. vol. 198; p. 407.
- De Clairmont, Adolfo, Toledo, Ohio. Stethoscope for automobiles. No. 1,107,212; Aug. 11; Gaz. vol. 205; p. 611.
- De Clairmont, Adolfo, Toledo, Ohio. Air-valve control for carbureters. No. 1,116,673; Nov. 10; Gaz. vol. 208; p. 460.
- De Clairmont, Adolfo, Toledo, Ohio. Self-starting device for explosive-engines. No. 1,120,797; Dec. 15; Gaz. vol. 209; p. 743.
- De Clairmont, Adolfo, assignor to The Toledo Automobile Devices Company, Toledo, Ohio. Spark-plug. No. 1,085,024; Jan. 20; Gaz. vol. 198; p. 647.
- De Clark, Nelson, Jersey City, N. J. Printing-stand. No. 1,092,095; Mar. 31; Gaz. vol. 200; p. 1336.
- De Crevecoeur, Sarah E., Colton, Cal. Colander. No. 1,105,409; July 28; Gaz. vol. 204; p. 1245.
- De Escobales, Hilario, and F. P. Ampudia, New York, N. Y. Wrapping-machine. No. 1,084,593; Jan. 13; Gaz. vol. 198; p. 473.
- De Escobales, Hilario, and F. P. Ampudia, New York, N. Y., assignors of one-twentieth to H. G. Giesow, Fall River, Mass. Wrapping-machine. No. 1,115,407; Oct. 27; Gaz. vol. 207; p. 1184.
- De Force, George I., assignor of one-third to L. E. Stancliff and one-third to W. L. Bankson, Erie, Pa. Detachable horseshoe-calk. No. 1,092,634; Apr. 7; Gaz. vol. 201; p. 177.
- De Force, George I., and M. Dryfoos, Erie, Pa. Self-locking spike. No. 1,084,405; Jan. 13; Gaz. vol. 198; p. 409.
- De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to De Forest Radio Telephone Co. Wireless telegraphy. No. 1,101,533; June 30; Gaz. vol. 203; p. 1273.
- De Forest, Lee, New York, N. Y., assignor to De Forest Radio Telephone & Telegraph Company. Secrecy system for wireless communication. No. 1,123,119; Dec. 29; Gaz. vol. 209; p. 1627.
- De Forest, Lee, New York, N. Y., assignor to De Forest Radio Telephone & Telegraph Company. Arc mechanism for systems of space communications. No. 1,123,120; Dec. 29; Gaz. vol. 209; p. 1627.
- De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to Radio Telephone & Telegraph Company. Signalling system. No. 1,123,118; Dec. 29; Gaz. vol. 209; p. 1626.
- De Forest Radio Telephone Co. (See De Forest, Lee, assignor.)
- De Forest Radio Telephone & Telegraph Company. (See De Forest, Lee, assignor.)
- De France, Murrell R., assignor to Pittsburg Brake Shoe Company, Pittsburgh, Pa. Brake-shoe. No. 1,114,343; Oct. 20; Gaz. vol. 207; p. 758.
- De Francisci, Ignazio, New York, N. Y. Making buttons. No. 1,118,110; Nov. 24; Gaz. vol. 208; p. 1042.
- De George, Charles. (See Dragan, De George, and Palermo.)
- De Graff, William H. (See Frame and De Graff.)
- De Grandpre, George D., Providence, R. I. Warp-thread-tension indicator for dressers. No. 1,103,131; July 14; Gaz. vol. 204; p. 364.
- De Grave, Michael J., Chicago, Ill. Curtain-stretcher. No. 1,101,013; June 23; Gaz. vol. 203; p. 1043.
- De Grody, Martin M., assignor to J. E. Baker, St. Louis, Mo. Ash-receptacle. No. 1,090,138; Mar. 17; Gaz. vol. 200; p. 591.
- De Groot, T. P. (See Hansen, Julius A., assignor.)
- De Guerre, Wade H., *et al.* (See Pemberton, George F. and J. W., assignors.)
- De Guzmán, Guillermo P., assignor to P. G. Pickman & Bros., Inc., Pawling, N. Y. Composition of matter. No. 1,096,605; May 12; Gaz. vol. 202; p. 523.
- De Hamel, Herbert G., Aldbury, Tring, England, and G. Makgill, Kemback, Scotland. Advertising sign or device. No. 1,090,707; Mar. 17; Gaz. vol. 200; p. 788.
- De Hart, William A. (See Watt, James A., assignor.)
- De Hart, William A., New York, N. Y., assignor to J. M. Johnson, Chicago, Ill. Fare-register. No. 1,096,156; May 12; Gaz. vol. 202; p. 370.
- De Hart, William A., New York, N. Y., assignor to J. M. Johnson, Chicago, Ill. Fare-registering apparatus. No. 1,122,262; Dec. 29; Gaz. vol. 209; p. 1330.
- De Haven, John W., Knoxville, Pa., assignor to L. C. Smith & Bros. Typewriter Company, Syracuse, N. Y. Backing-sheet for type-writers. No. 1,118,111; Nov. 24; Gaz. vol. 208; p. 1042.
- De Huff, Henry, Cynwyd, assignor to D'Olier Centrifugal Pump and Machine Company, Philadelphia, Pa. Pump construction. No. 1,107,591; Aug. 18; Gaz. vol. 205; p. 795.
- De Kalb Manufacturing Company. (See Harrison, Arthur H., assignor.)
- De Kay, George A., Camden, S. C. Cotton-planter. No. 1,107,044; Aug. 11; Gaz. vol. 205; p. 551.
- De Kleist, August, assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Adjustable spool for music-sheets. No. 1,091,144; Mar. 24; Gaz. vol. 200; p. 970.
- De Kleist, August, and F. L. McCormick, assignors to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Feed mechanism for perforating-machines. No. 1,085,986; Feb. 3; Gaz. vol. 199; p. 146.
- De Kuyper, Richard, Jr., Hooper, Utah. Hose connection. No. 1,089,332; Mar. 3; Gaz. vol. 200; p. 223.
- De l'Eau, John P., Betteravia, Cal. Calculating instrument. No. 1,117,805; Nov. 17; Gaz. vol. 208; p. 897.
- De la Fresnaye, Jean. (See Féval and De la Fresnaye.)
- De La Mare, Thomas, Tooele, Utah. Conduit-mold. No. 1,118,558; Nov. 24; Gaz. vol. 208; p. 1200.
- De La Matyr, Elias B., Los Angeles, Cal. Rotary gas-meter. No. 1,090,780; Mar. 17; Gaz. vol. 200; p. 811.
- De La Monte, Cascious H., New York, N. Y. Shock-absorber. No. 1,099,539; June 9; Gaz. vol. 203; p. 445.
- De la Torriente, Calixto, Guadalajara, Mexico. Manufacture of footwear. No. 1,087,220; Feb. 17; Gaz. vol. 199; p. 667.
- De Laney, Nellie G., Portersville, Cal. Dish-washing machine. No. 1,114,591; Oct. 20; Gaz. vol. 207; p. 845.
- De Lany, Nellie M., Clyde, N. Y. Shoe-lace holder. No. 1,091,297; Mar. 24; Gaz. vol. 200; p. 1021.
- De Lappe, John W., Dorchester, Mass. Fender for automobiles. No. 1,100,229; June 16; Gaz. vol. 203; p. 719.
- De Laski, Albert. (See Thropp and De Laski.)
- De Laski, Albert, Weehawken, N. J. Friction-facing for clutches, &c. No. 1,122,081; Dec. 22; Gaz. vol. 209; p. 1228.
- De Laski and Thropp Circular Woven Tire Company, The. (See Thropp and De Laski, assignors.)
- De Laval, Carl G., East Orange, N. J., assignor to Henry R. Worthington. Centrifugal turbine and similar pump. No. 1,094,836; Apr. 28; Gaz. vol. 201; p. 1060.
- De Laval Separator Company, The. (See Hall, Selden H., assignor.)
- De Laval Separator Company, The. (See Hulbert, John L., assignor.)
- De Laval Separator Company, The. (See Miller, Theodore H., assignor.)
- De Laval Separator Company, The. (See Wright, Bert R., assignor.)
- De Laval Steam Turbine Company. (See Lindmark, Tore G. E., assignor.)
- De Laval Steam Turbine Company. (See Waller, Carl R., assignor.)
- De Leeuw, Adolph L., Cincinnati, Ohio. Vehicle-wheel. No. 1,104,479; July 21; Gaz. vol. 204; p. 870.
- De Leeuw, Adolph L., Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company. Oiling system. No. 1,093,118; Apr. 14; Gaz. vol. 201; p. 376.

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- De Leeuw, Adolph L., Cincinnati, assignor to The Cincinnati Milling Machine Company, Oakley, Ohio. Oil-ing system. No. 1,102,186; June 30; Gaz. vol. 203; p. 1502.
- De Leeuw, Adolph L., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Feed mechanism for machine-tools. No. 1,108,107; Aug. 18; Gaz. vol. 205; p. 975.
- De Leeuw, Adolph L., assignor to The Cincinnati Milling Machine Company, Oakley, Cincinnati, Ohio. Feeding mechanism for machine-tools. No. 1,116,031; Nov. 3; Gaz. vol. 208; p. 193.
- De Leeuw, Adolph L., assignor to The Cincinnati Milling Machine Company, Oakley, Cincinnati, Ohio. Knock-down vise. No. 1,120,649; Dec. 8; Gaz. vol. 209; p. 644.
- De Line, Harvey M., Syracuse, N. Y. Cutter and shredder. No. 1,086,654; Feb. 10; Gaz. vol. 199; p. 421.
- De Long, Alvin L. (See Carleton and De Long.)
- De Long, Ernest L., Plant City, Fla. Electromagnetic shuttle-operating mechanism. No. 1,086,444; Feb. 10; Gaz. vol. 199; p. 347.
- De Long Hook and Eye Company. (See Curtis, Walter L., assignor.)
- De Long Hook and Eye Company, The. (See Galt, William J., Jr., assignor.)
- De Long Hook and Eye Company, The. (See Williams, James P., assignor.)
- De Long, Nelson, assignor to Kabo Corset Company, Chicago, Ill. Stay-grinding machine. No. 1,102,211; June 30; Gaz. vol. 203; p. 1512.
- De Loss, Harry H., assignor of one-third to J. L. R. Brown, Bridgeport, Conn., and one-third to R. S. Wile, Pittsburgh, Pa. Mold-carriage. No. 1,083,996; Jan. 13; Gaz. vol. 198; p. 273.
- De Lukacsevics, Charles, West Nutley, N. J., assignor to G. W. Morgan, New York, N. Y. Internal-combustion engine. No. 1,091,427; Mar. 24; Gaz. vol. 200; p. 1062.
- De Lukacsevics, Charles, West Nutley, N. J., assignor to G. W. Morgan, Jr., New York, N. Y. Internal-combustion engine. No. 1,093,544; Apr. 14; Gaz. vol. 201; p. 516.
- De Lukacsevics, Charles, West Nutley, assignor to W. H. Dane, East Orange, N. J. Machine for printing photographic paper. No. 1,123,131; Dec. 29; Gaz. vol. 209; p. 1631.
- De Maio, Nicola, New Haven, Conn. Pipe attachment. No. 1,098,942; June 2; Gaz. vol. 203; p. 199.
- De Marais, Victor, Chico, Cal. Automobile-starter. No. 1,088,548; Feb. 24; Gaz. vol. 199; p. 1169.
- De Marinis, Francesco. (See Dean and De Marinis.)
- De Mateo, Anthony, Jr., Jersey City, N. J. Vault-light. No. 1,084,406; Jan. 13; Gaz. vol. 198; p. 410.
- De Matteis, John B., assignor of one-half to S. Wira, New York, N. Y. Safety-envelop. No. 1,104,169; July 21; Gaz. vol. 204; p. 764.
- De Mendoza ver Mehr, John M. (See Owens, John S., assignor.)
- De Minico, Charles, Portsmouth, Ohio, assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-shaping machine. No. 1,085,595; Feb. 3; Gaz. vol. 199; p. 6.
- De Minico, Charles, Portsmouth, Ohio, assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,111,826; Sept. 29; Gaz. vol. 206; p. 1205.
- De Minico, Frank, assignor to Pollard-Alling Manufacturing Company, New York, N. Y. Addressing-machine. No. 1,104,170; July 21; Gaz. vol. 204; p. 764.
- De Minico, Frank, assignor to Pollard-Alling Manufacturing Company, New York, N. Y. Printing-plate for addressing-machines. No. 1,116,032; Nov. 3; Gaz. vol. 208; p. 194.
- De Moure, Adolph B., Piper City, Ill. Grain-elevator. No. 1,106,632; Aug. 11; Gaz. vol. 205; p. 411.
- De Murguiondo, Carter, New York, N. Y. Mold for plastic materials. No. 1,111,567; Sept. 22; Gaz. vol. 206; p. 1078.
- De Nike, Joseph H., Albany, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Plait-folder for sewing-machines. No. 1,103,663; July 14; Gaz. vol. 204; p. 550.
- De Nise, George R., Boulder, Wyo. Life-cabin. No. 1,088,331; Feb. 24; Gaz. vol. 199; p. 1098.
- De Noyelles, Judson R., Binghamton, N. Y. Pneumatic valve. No. 1,093,546; Apr. 14; Gaz. vol. 201; p. 517.
- De Nucci, Luigi, Jamaica, assignor to Metropolitan Hatters Supply Co., Inc., New York, N. Y. Apparatus for treating hats. No. 1,087,733; Feb. 17; Gaz. vol. 199; p. 848.
- De Paoli, John, New York, N. Y. Method and apparatus for treating feathers. No. 1,111,530; Sept. 22; Gaz. vol. 206; p. 1065.
- De Proszynski, Casimir, London, England. Kinematograph-camera and projecting apparatus. No. 1,112,555; Oct. 6; Gaz. vol. 207; p. 51.
- De Proszynski, Casimir, London, England. Kinematograph-camera and projecting apparatus. No. 1,112,896; Oct. 6; Gaz. vol. 207; p. 168.
- De Reamer, Frank C., Schenectady, N. Y., assignor to General Electric Company. Attachment-plug. No. 1,115,654; Nov. 3; Gaz. vol. 208; p. 64.
- De Remer, William L., Chicago, Ill. Rail-securing device. No. 1,083,436; Jan. 6; Gaz. vol. 198; p. 60.
- De Remer, William L., Chicago, Ill. Guard-rail plate. No. 1,111,141; Sept. 22; Gaz. vol. 206; p. 932.
- De Ros, Dudley, Islington, London, England. Means of securing wire to standards. No. 1,102,394; July 7; Gaz. vol. 204; p. 60.
- De Saussure, William P., Jr., Englewood Cliffs, and G. S. Tiffany, Summit, N. J.; said Tiffany assignor, by mesne assignments, to said De Saussure. Index or information rack. No. 1,106,344; Aug. 4; Gaz. vol. 205; p. 261.
- De Schaum, William A., Detroit, Mich. Drive mechanism. No. 1,099,239; June 9; Gaz. vol. 203; p. 341.
- De Shetley, William. (See McIntyre, John D., assignor.)
- De Silva, Frank, Melrose, Mass. Directory-board. No. 1,121,809; Dec. 22; Gaz. vol. 209; p. 1132.
- De Smith, Henry, assignor to M. D. Knowlton Company, Rochester, N. Y. Box-covering machine. No. 1,084,575; Jan. 13; Gaz. vol. 198; p. 466.
- De St. Legier, John, Hicksville, N. Y. Animal-trap. No. 1,088,477; Feb. 24; Gaz. vol. 199; p. 1146.
- De Tar, Monroe, Kinsley, Kans. Surgical appliance. No. 1,119,813; Dec. 8; Gaz. vol. 209; p. 349.
- De Vault, Ralph P., Battle Creek, Mich. Picture-projecting apparatus. No. 1,098,889; June 2; Gaz. vol. 203; p. 180.
- De Vignier, Robert M., Hollis Terrace, assignor to Western Electric Company, New York, N. Y. Combined jack and drop. No. 1,092,964; Apr. 14; Gaz. vol. 201; p. 323.
- De Vignier, Robert M., Hollis Terrace, assignor to Western Electric Company, New York, N. Y. Switchboard-plug. No. 1,101,731; June 30; Gaz. vol. 203; p. 1339.
- De Vignier, Robert M., Hollis Terrace, assignor to Western Electric Company, New York, N. Y. Semaphore signaling system. No. 1,104,480; July 21; Gaz. vol. 204; p. 871.
- De Vilbiss, Allen, Jr., assignor to Toledo Scale Company, Toledo, Ohio. Scale. No. 1,119,003; Dec. 1; Gaz. vol. 209; p. 35.
- De Vilbiss, Allen, Jr., deceased, Toledo, Ohio; S. M. Douglas, administrator, assignor to Toledo Scale Company, Newark, N. J. Scale. No. 1,122,222; Dec. 22; Gaz. vol. 209; p. 1275.
- De Vilbiss Manufacturing Company, The. (See De Vilbiss, Thomas A., assignor.)
- De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio. Pivoting means for tables or the like. No. 1,093,038; Apr. 14; Gaz. vol. 201; p. 347.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio. Atomizer or the like. No. 1,093,039; Apr. 14; Gaz. vol. 201; p. 347.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio. Protective device for ventilating-fans. No. 1,096,694; May 12; Gaz. vol. 202; p. 552.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio. Valve for atomizers or the like. No. 1,097,008; May 19; Gaz. vol. 202; p. 704.
- De Vilbiss, Thomas D., assignor to S. F. Bowser & Co., Inc., Fort Wayne, Ind. Controlling device for fuel-oil supply. No. 1,102,482; July 7; Gaz. vol. 204; p. 91.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Looper mechanism for sewing-machines. No. 1,085,801; Feb. 3; Gaz. vol. 199; p. 80.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Looper-actuating mechanism. No. 1,100,124; June 16; Gaz. vol. 203; p. 683.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Chain-stitch sewing-machine. No. 1,107,659; Aug. 18; Gaz. vol. 205; p. 820.
- De Voe, Albert H., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Ruffling and stitching machine. No. 1,094,707; Apr. 28; Gaz. vol. 201; p. 1016.
- De Voll, Charles H., New York, N. Y. Vehicle-tire. No. 1,090,838; Mar. 24; Gaz. vol. 200; p. 863.
- De Voll, Charles H., New York, N. Y., assignor, by mesne assignments, to The American Spring Tire Company, Dover, Del. Vehicle-tire. No. 1,092,981; Apr. 14; Gaz. vol. 201; p. 328.
- De Vos, Leopold, and A. F. Sanders, Minneota, Minn. Grain-separator. No. 1,083,437; Jan. 6; Gaz. vol. 198; p. 60.
- De Wald, Otto G., New York, N. Y. Driving mechanism for motor-cycles. No. 1,121,172; Dec. 15; Gaz. vol. 209; p. 876.
- De Walt, Fay A., Newton, Kans. Wheel-clamp. No. 1,090,032; Mar. 10; Gaz. vol. 200; p. 513.
- De Waters, Enos A., assignor to Buick Motor Company, Flint, Mich. Control for change-speed gearing. No. 1,116,575; Nov. 10; Gaz. vol. 208; p. 423.
- De Wilde, Fred P., Van Houten, N. Mex. Cuff-holder. No. 1,111,367; Sept. 22; Gaz. vol. 206; p. 1009.
- De Witt, Clinton C., Shrewsbury Park, Mo. Hydropneumatic window-cleaning apparatus. No. 1,114,592; Oct. 20; Gaz. vol. 207; p. 846.
- De Witt, Elden C. (See Hermann and De Witt.)

Alphabetical list of patentees--Continued.

- De Witt, Frank W., Jerome, Idaho, assignor to Western Novelty and Manufacturing Company. Sales device. No. 1,095,088; Apr. 28; Gaz. vol. 201; p. 1146.
- De Witt, George W., Houston, Tex. Automobile. No. 1,091,735; Mar. 31; Gaz. vol. 200; p. 1213.
- De Witt, Herbert M. (See McCaddon, William E., assignor.)
- De Witt, James M., New York, N. Y. Shutter-fastener. No. 1,095,826; May 5; Gaz. vol. 202; p. 223.
- De Witt, John. (See Rasck, George P., assignor.)
- De Witt, John S., Pocatello, Idaho. Alarm-watch. No. 1,098,369; June 2; Gaz. vol. 203; p. 4.
- De Witt, John W., *et al.* (See Laden, Joe G., assignor.)
- De Witt, Miles, White Sulphur Springs, N. Y. Brooder. No. 1,093,921; Apr. 21; Gaz. vol. 201; p. 688.
- De Wolf, Charles E. (See Fry, Henry E., assignor.)
- De Wolf, Ernest A., Mansfield, assignor to J. R. Leeson, Boston, Mass. Coil for electrical purposes and producing same. No. 1,091,046; Mar. 24; Gaz. vol. 200; p. 936.
- De Wolf Wante, Leon, St. Nicolas-Waas, Belgium. Dividing, lanifing, and bleaching bass-fibers. No. 1,112,873; Oct. 6; Gaz. vol. 207; p. 162.
- De Wolfe, Willis H., assignor to Reading Hardware Company, Reading, Pa. Swivel knob-spindle. No. 1,100,232; June 16; Gaz. vol. 203; p. 720.
- De Wyrall, Cyril. (See Alfieres, Emanuel J., assignor.)
- De Young, Louis W., Lebec, Cal. Trolley-wheel support. No. 1,087,221; Feb. 17; Gaz. vol. 199; p. 668.
- De Zara, Orrington S. (See Dole and De Zara.)
- De Zeng, Henry L., Maple Shade, N. J. Optical instrument. No. 1,087,532; Feb. 17; Gaz. vol. 199; p. 775.
- De Zeng, Henry L., Maple Shade, N. J. Optical instrument. No. 1,115,408; Oct. 27; Gaz. vol. 207; p. 1185.
- De Zevallos, Charles H. (See Greenleaf, William B., assignor.)
- Deacon, John A. (See Love, James, assignor.)
- Deady, Martin. (See Weil and Deady.)
- Deagan, John C., Chicago, Ill. Musical chimes. No. 1,100,671; June 16; Gaz. vol. 203; p. 867.
- Deagan, John C., Chicago, Ill. Musical bell. No. 1,100,672; June 16; Gaz. vol. 203; p. 868.
- Deagan, John C., Chicago, Ill. Musical instrument. No. 1,104,478; July 21; Gaz. vol. 204; p. 870.
- Deák, Ferdinand, Toledo, Ohio. Wrench. No. 1,109,282; Sept. 1; Gaz. vol. 206; p. 151.
- Deal, Caleb F., Atlanta, Ga. Letter-sheet buncher and holder. No. 1,110,906; Sept. 15; Gaz. vol. 206; p. 808.
- Deal, Charles A., Kansas City, Mo. Sand and water conveyor. No. 1,094,310; Apr. 21; Gaz. vol. 201; p. 815.
- Dean, Antonio, and F. De Marinis, assignors to A. Dalidansky and A. Dean, New York, N. Y. Book-carrier. No. 1,110,907; Sept. 15; Gaz. vol. 206; p. 808.
- Dean, Charles C., Remmel, Ark. Harrow attachment for cultivators. No. 1,112,199; Sept. 29; Gaz. vol. 206; p. 1333.
- Dean, Edward A., *et al.* (See Ayres, George W., assignor.)
- Dean Electric Company, The. (See Manson, Ray H., assignor.)
- Dean, Franklin A., and L. L. Teas, Alta Vista, Kans. Automatic copy-holder. No. 1,094,311; Apr. 21; Gaz. vol. 201; p. 816.
- Dean, George C., Bronxville, N. Y., assignor, by mesne assignments, to Lovell-McConnell Manufacturing Company. Mechanical horn. No. 1,105,324; July 28; Gaz. vol. 204; p. 1214.
- Dean, George E., assignor to The Union Steel Screen Company, Ltd., Albion, Mich. Rack. No. 1,104,970; July 28; Gaz. vol. 204; p. 1090.
- Dean, Harry. (See Turner and Dean.)
- Dean, J. A., *et al.* (See Rosolofsky, Friedrich, assignor.)
- Dean, James H., Chicago, Ill., assignor, by mesne assignments, to Empire Voting Machine Company. Voting-machine. No. 1,084,073; Jan. 13; Gaz. vol. 198; p. 299.
- Dean, James H., Chicago, Ill., assignor, by mesne assignments, to Empire Voting Machine Company. Voting-machine. No. 1,088,811; Mar. 3; Gaz. vol. 200; p. 46.
- Dean, James S., Toledo, Iowa. Velocipede. No. 1,111,825; Sept. 29; Gaz. vol. 206; p. 1205.
- Dean, John R. (See Dean, Walter K., assignor.)
- Dean, John R., North Girard, Pa. Garment-stay. No. 1,104,108; July 21; Gaz. vol. 204; p. 742.
- Dean, John R., North Girard, Pa. Wire-bending machine. No. 1,113,104; Oct. 6; Gaz. vol. 207; p. 238.
- Dean, John R., North Girard, assignor of one-third to W. K. Dean, Meadville, Pa. Garment-stay. No. 1,113,758; Oct. 13; Gaz. vol. 207; p. 513.
- Dean, John R., North Girard, assignor of one-third to W. K. Dean, Meadville, Pa. Garment-stay. No. 1,121,331; Dec. 15; Gaz. vol. 209; p. 930.
- Dean, John R., North Girard, assignor of one-third to W. K. Dean, Meadville, Pa. Garment-stay. No. 1,121,332; Dec. 15; Gaz. vol. 209; p. 930.
- Dean, John R., North Girard, assignor of one-third to W. K. Dean, North Girard, Pa. Garment-stay. No. 1,121,333; Dec. 15; Gaz. vol. 209; p. 930.
- Dean, John R., North Girard, Pa., and A. W. Holmberg, New York, N. Y., assignors of one-third to W. K. Dean, North Girard, Pa., and two-thirds to said John R. Dean. Punching-machine. No. 1,112,601; Oct. 6; Gaz. vol. 207; p. 68.
- Dean, Leonidas T., assignor of one-half to P. M. Walker, Huntington, W. Va. Condiment-holder. No. 1,119,070; Dec. 1; Gaz. vol. 209; p. 61.
- Dean, Nelson L. (See Abbott and Dean.)
- Dean, Robert L., Chicago, Ill. Steam-engine. No. 1,088,214; Feb. 24; Gaz. vol. 199; p. 1059.
- Dean, Roy M., Chicago, Ill. Speed-indicator for passing vehicles. No. 1,098,358; May 26; Gaz. vol. 202; p. 1222.
- Dean, Walter D. (See Geurin and Dean.)
- Dean, Walter K. (See Dean, John R., assignor.)
- Dean, Walter K. (See Dean and Holmberg, assignors.)
- Dean, Walter K., assignor of one-third to J. R. Dean, North Girard, Pa. Garment-stay. No. 1,121,334; Dec. 15; Gaz. vol. 209; p. 931.
- Dean, William W., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Electromagnetic device. No. 1,088,771; Mar. 3; Gaz. vol. 200; p. 33.
- Dean, William W., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Apparatus for governing the speed of motors. No. 1,107,914; Aug. 18; Gaz. vol. 205; p. 906.
- Dean, William W., assignor, by mesne assignments, to The Garford Manufacturing Company, Elyria, Ohio. Telephone system. No. 1,120,605; Dec. 8; Gaz. vol. 209; p. 629.
- Dean, William W., Chicago, Ill., assignor to The Garford Manufacturing Company, Elyria, Ohio. Party-line telephone system. No. 1,120,606; Dec. 8; Gaz. vol. 209; p. 629.
- Dean, William W., Chicago, Ill., assignor, by mesne assignments, to The Garford Manufacturing Company, Elyria, Ohio. Circuit-controller. No. 1,122,261; Dec. 29; Gaz. vol. 209; p. 1329.
- Deane, Charles I., Walla Walla, Wash. Pile. No. 1,111,366; Sept. 22; Gaz. vol. 206; p. 1008.
- Dear, William Y., assignor to The Jersey City Printing Company, Jersey City, N. J. Hanger for books. No. 1,088,012; Feb. 24; Gaz. vol. 199; p. 990.
- Dearborn, George W., Lowell, assignor to Bay State Cotton Corporation, Boston, Mass. Yarn-beam-handling device. No. 1,121,807; Dec. 22; Gaz. vol. 209; p. 1131.
- Dearborn, Richard J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric-circuit-control system. No. 1,112,439; Oct. 6; Gaz. vol. 207; p. 8.
- Dearing, David M., Jackson, Mich. Running-gear for motor-vehicles. No. 1,120,036; Dec. 8; Gaz. vol. 209; p. 427.
- Deasy, Louis J., Cincinnati, Ohio. Trolley-pole. No. 1,115,789; Nov. 3; Gaz. vol. 208; p. 108.
- Deasy, Peter A., assignor to Deasy Utilities Company, Oakland, Cal. Heating system. No. 1,095,559; May 5; Gaz. vol. 202; p. 133.
- Deasy, Peter A., assignor to Deasy Utilities Company, Oakland, Cal. Water-heater. No. 1,101,485; June 23; Gaz. vol. 203; p. 1205.
- Deasy, Peter A., assignor to Deasy Utilities Company, Oakland, Cal. Water-heater. No. 1,122,578; Dec. 29; Gaz. vol. 209; p. 1435.
- Deasy Utilities Company. (See Deasy, Peter A., assignor.)
- Deatherage, Isaac, Duluth, assignor of fifty-five one-hundredths to J. P. Simon, F. W. Koehler, and J. F. Glynn, Superior, Wis. Paper-cutter attachment for tables. No. 1,093,543; Apr. 14; Gaz. vol. 201; p. 516.
- Deaton, George H., Chicago, Ill. Calendar. No. 1,117,802; Nov. 17; Gaz. vol. 208; p. 896.
- Debie, Joseph J., Paris, France. Apparatus for taking cinematograph-views, also available as an ordinary photographic apparatus. No. 1,087,083; Feb. 10; Gaz. vol. 199; p. 566.
- Decarie Incinerator Company. (See Cappelen, Frederick W., assignor.)
- Decarie Incinerator Company. (See Stacy, Elmer N., assignor.)
- Dechamps, Heinrich, Charlottenburg, Germany, assignor to General Electric Company. Releasable coupling with automatic return. No. 1,105,408; July 28; Gaz. vol. 204; p. 1244.
- Dechamps, Heinrich, Charlottenburg, Germany, assignor to General Electric Company. Cylinder construction for engines. No. 1,109,204; Sept. 1; Gaz. vol. 206; p. 124.
- Dechamps, Heinrich, Charlottenburg, Germany, assignor to General Electric Company. Condensing-ventilator for engines. No. 1,116,030; Nov. 3; Gaz. vol. 208; p. 193.
- Decius, Hiram B., Boise, Idaho. Ice-creeper. No. 1,098,232; May 26; Gaz. vol. 202; p. 1177.
- Deckel, Friedrich, Munich, Germany. Engraving-machine. No. 1,106,084; Aug. 4; Gaz. vol. 205; p. 174.
- Decker, Alexander, Montgomery, Pa. Spring equipment for vehicles. No. 1,088,330; Feb. 24; Gaz. vol. 199; p. 1098.
- Decker, Clinton, Rainelle, W. Va. Pond-cleaner. No. 1,087,732; Feb. 17; Gaz. vol. 199; p. 848.
- Decker, Clinton, Rainelle, W. Va. Cableway. No. 1,122,080; Dec. 22; Gaz. vol. 209; p. 1228.
- Decker, Clinton, Rainelle, W. Va. Container. No. 1,122,196; Dec. 22; Gaz. vol. 209; p. 1266.
- Decker, Ellen W. (See Samuels, Jacob, assignor.)

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- Decker, Ellen W., New York, N. Y. Stocking. No. 1,119,930; Dec. 8; Gaz. vol. 209; p. 390.
- Decker, Ellen W., assignor to Julius Kayser & Co., New York, N. Y. Lady's undergarment. No. 1,102,014; June 30; Gaz. vol. 203; p. 1441.
- Decker, Harry R., Houston, Tex. Well-drilling device. No. 1,088,132; Feb. 24; Gaz. vol. 199; p. 1031.
- Decker, Mal M., Burr Oak, Kans. Cultivator. No. 1,104,293; July 21; Gaz. vol. 204; p. 805.
- Decker, Samuel W., Jersey City, N. J. Combined window-screen and ventilator. No. 1,116,248; Nov. 3; Gaz. vol. 208; p. 266.
- Decker, Wilhelm, assignor to G. von Struve, Mittweida, Germany. Card-clothing. No. 1,095,978; May 5; Gaz. vol. 202; p. 273.
- Decker, William H., Kalamazoo, Mich. Gearing for washing-machines. No. 1,083,435; Jan. 6; Gaz. vol. 198; p. 60.
- Decker, William M., Buffalo, N. Y. Nursing device. No. 1,099,082; June 2; Gaz. vol. 203; p. 241.
- Decker, William M., Buffalo, N. Y. Child's folding carriage. No. 1,102,248; July 7; Gaz. vol. 204; p. 9.
- Decker, William M., Buffalo, N. Y. Nursing device. No. 1,106,927; Aug. 11; Gaz. vol. 205; p. 513.
- Dedio, Thomas, Dnipro, Alberta, Canada. Ship's table. No. 1,104,251; July 21; Gaz. vol. 204; p. 791.
- Deeble, T. J., *et al.* (See Huff, William F., assignor.)
- Deeds, Clyde C., Terre Haute, Ind. Bottle-closure. No. 1,101,687; June 30; Gaz. vol. 203; p. 1326.
- Deegan, Edward J. (See Hodgson and Deegan.)
- Deegan, Edward J., New York, N. Y. Regulator. No. 1,108,146; Aug. 25; Gaz. vol. 205; p. 1036.
- Deem, John K., Richmond, Ind. Variable exhaust control. No. 1,110,046; Sept. 8; Gaz. vol. 206; p. 462.
- Deere & Company. (See Funk, Alfred C., assignor.)
- Deere & Company. (See Melvin, Charles H., assignor.)
- Deere & Company. (See Mixter, George W., assignor.) (Reissue.)
- Deere & Company. (See Payton, Richard, assignor.)
- Deere & Company. (See Poole, Staley D., assignor.)
- Deere & Company. (See Sklovsky and Mixter, assignors.)
- Deere & Company. (See Strandlund, Carl G., assignor.)
- Deere & Mansur Company. (See Friberg, Charles P. A., assignor.)
- Deering, Charles H., Portland, Me. Corn-busking machine. No. 1,096,416; May 12; Gaz. vol. 202; p. 459.
- Deering, Uriah H., Cleburne, Tex. Gas-generating system. No. 1,111,140; Sept. 22; Gaz. vol. 206; p. 931.
- Deery, Daniel H., Bridgeport, Conn. Resilient tire. No. 1,084,731; Jan. 20; Gaz. vol. 198; p. 549.
- Dees, Mark A. (See McLeod and Dees.)
- Dees, Mark A., St. Louis, Mo. Apparatus for forming and vulcanizing rubber articles. No. 1,109,048; Sept. 1; Gaz. vol. 206; p. 68.
- Dees, Mark A., St. Louis, Mo. Internal-bath apparatus. No. 1,115,908; Nov. 3; Gaz. vol. 208; p. 150.
- Dees, Mark A., Lubbock, Tex. Apparatus for forming and vulcanizing rubberized fabric and rubber tires. No. 1,120,453; Dec. 8; Gaz. vol. 209; p. 575.
- Dees, Mark A., Pascagoula, Miss., assignor to American Tire Company, St. Louis, Mo. Pneumatic tire. No. 1,086,757; Feb. 10; Gaz. vol. 199; p. 457.
- Dees, Mark A., assignor of one-half to The American Tire Company, St. Louis, Mo., and one-half to The B. F. Goodrich Company, New York, N. Y. Apparatus for forming pneumatic tires. No. 1,117,803; Nov. 17; Gaz. vol. 208; p. 896.
- Dees, Mark A., and N. W. McLeod, assignors to American Tire Company, St. Louis, Mo. Tire-vulcanizing mold. No. 1,114,236; Oct. 20; Gaz. vol. 207; p. 721.
- Deeter, Joshua E. (See Hummel and Deeter.)
- Defender Photo Supply Company. (See Cummings, John S., assignor.)
- Deffenbaugh, William, Wichita, Kans. Music-leaf turner. No. 1,104,638; July 21; Gaz. vol. 204; p. 926.
- Defiance Lantern and Stamping Company. (See Engfer, Harry C., assignor.)
- Defiance Machine Company. (See Ocumpaugh, Edmund, assignor.)
- Defiance Manufacturing Company. (See Marx, Richard, assignor.)
- Defiance Tick Mitten Company, The. (See Gillian, Herman, assignor.)
- Defreese, Charles, Westpoint, Ind. Raising and lowering device for pivot-wheel cultivators. No. 1,117,804; Nov. 17; Gaz. vol. 208; p. 897.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing machine. No. 1,084,795; Jan. 20; Gaz. vol. 198; p. 571.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Casting and controlling mechanism of type-bar-casting machines. No. 1,085,891; Feb. 3; Gaz. vol. 199; p. 110.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Matrix-setting and line-casting machine. No. 1,089,626; Mar. 10; Gaz. vol. 200; p. 374.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Linotype machine. No. 1,098,887; June 2; Gaz. vol. 203; p. 180.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,115,181; Oct. 27; Gaz. vol. 207; p. 1108.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Assembling mechanism of typographical composing-machines. No. 1,121,899; Dec. 22; Gaz. vol. 209; p. 1165.
- Degenhardt, Johannes, Tempelhof, near Berlin, Germany. Joint for crossing-bars. No. 1,095,560; May 5; Gaz. vol. 202; p. 133.
- Deggin, Harry J. (See Doherty, Roger J., assignor.)
- Degginger, Louis A., *et al.* (See Ricke, George H., assignor.)
- Degner, Frank, Salem, S. D. Hat-pin guard. No. 1,085,327; Jan. 27; Gaz. vol. 198; p. 789.
- Degner, Herman C., Los Angeles, Cal. Non-refillable bottle. No. 1,110,115; Sept. 8; Gaz. vol. 206; p. 488.
- Degrance, Emile. (See Cantoni, Chautems, and Degrance.)
- Degrance, Emile, *et al.* (See Cantoni, Chautems, and Degrance, assignors.)
- Dehler, Lee R., Gary, Ind. Calf-weaner. No. 1,103,743; July 14; Gaz. vol. 204; p. 577.
- Dehls, John C., Brooklyn, assignor to National Pneumatic Action Co., Inc., New York, N. Y. Automatic musical instrument. No. 1,096,157; May 12; Gaz. vol. 202; p. 371.
- Dehn, Carl W., Topeka, Kans. Gas and gasoline engine. No. 1,095,196; May 5; Gaz. vol. 202; p. 8.
- Dehn, George J., Chicago, Ill. Combined floor-drain and hopper. No. 1,109,740; Sept. 8; Gaz. vol. 206; p. 353.
- Dehn, George J., Chicago, Ill. Pipe connection. No. 1,120,697; Dec. 15; Gaz. vol. 209; p. 709.
- Dehner, Charles F. (See Worley, George I., assignor.)
- Dehnst, Julius, Halensee, near Berlin, Germany. Treating mineral oils. No. 1,112,602; Oct. 6; Gaz. vol. 207; p. 68.
- Deibert, William E., Reading, Pa. Lock. No. 1,083,483; Jan. 6; Gaz. vol. 198; p. 75.
- Deignan, John A., and H. J. Pollacek, New York, N. Y. Water-closet. No. 1,119,812; Dec. 8; Gaz. vol. 209; p. 349.
- Deignan, Richard C. (See Jackson, Earnest L., assignor.)
- Deiller, Eugene M., Newark, N. J. Faucet. No. 1,093,117; Apr. 14; Gaz. vol. 201; p. 376.
- Deimling, John P., Clarion, Pa. Trap-door-operated car-step. No. 1,114,679; Oct. 20; Gaz. vol. 207; p. 875.
- Deimling, John P., assignor of one-third to W. Graham, Clarion, Pa. Extensible car-step. No. 1,088,681; Mar. 3; Gaz. vol. 200; p. 4.
- Deininger, John, Ulm, Germany. Ice-crusher. No. 1,103,132; July 14; Gaz. vol. 204; p. 364.
- Deiser, Frederick, assignor to Chi-Ill-Electric Company, Chicago, Ill. Electric plug. No. 1,106,442; Aug. 11; Gaz. vol. 205; p. 339.
- Deisner, Otto J., Cleveland, Ohio. Sash-holder. No. 1,123,112; Dec. 29; Gaz. vol. 209; p. 1624.
- Deist, Charles O., Ottawa, Ill. Poultry-marker. No. 1,084,407; Jan. 13; Gaz. vol. 198; p. 410.
- Deister Concentrator Company, The. (See Deister, Emil, assignor.)
- Deister Concentrator Company. (See Stenger, Peter, assignor.)
- Deister, Emil, assignor to The Deister Concentrator Company, Fort Wayne, Ind. Driving mechanism for ore-concentrators. No. 1,101,486; June 23; Gaz. vol. 203; p. 1205.
- Deister Machine Company. (See Deister, William F., assignor.) (Reissue.)
- Deister, William F., assignor to Deister Machine Company, Fort Wayne, Ind. Head-motion for concentrating-tables. No. 1,088,682; Mar. 3; Gaz. vol. 200; p. 4.
- Deister, William F., assignor to Deister Machine Company, Fort Wayne, Ind. Mechanism for operating concentrating units. No. 1,088,683; Mar. 3; Gaz. vol. 200; p. 5.
- Deister, William F., assignor to Deister Machine Company, Fort Wayne, Ind. Mechanism for operating concentrating units. No. 1,088,684; Mar. 3; Gaz. vol. 200; p. 5.
- Deister, William F., assignor to Deister Machine Company, Fort Wayne, Ind. Apparatus for concentrating ores. No. 1,088,685; Mar. 3; Gaz. vol. 200; p. 5.
- Deister, William F., assignor to Deister Machine Company, Fort Wayne, Ind. Support for concentrating apparatus. No. 1,098,023; May 26; Gaz. vol. 202; p. 1106.
- Deister, William F., assignor to Deister Machine Company, Fort Wayne, Ind. Support for concentrating apparatus. (Reissue.) No. 1,381,6; Oct. 27; Gaz. vol. 207; p. 1210.
- Deitsch Brothers. (See Rath, William C., assignor.)
- Dejgaard, Søren R. (See Samuelsen and Dejgaard.)
- Dekker, Nicolas H. M., Paris, France. Extraction of a metal by electrolytic exhaustion of a solution of a salt of this metal. No. 1,101,620; June 30; Gaz. vol. 203; p. 1304.
- Dekker, Nicolas H. M., Paris, France. Electrolyte for use in electrometallurgy. No. 1,113,546; Oct. 13; Gaz. vol. 207; p. 440.
- Dekle, William L., Macon, Ga. Saw-sharpener. No. 1,096,689; May 12; Gaz. vol. 202; p. 551.
- Del Lungo, Vincenzo, Florence, Italy. Seal-lqck. No. 1,105,550; July 28; Gaz. vol. 204; p. 1294.

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- Delaney, Bernard, Rochester, N. Y. Arch and heel support and insole. No. 1,093,608; Apr. 21; Gaz. vol. 201; p. 581.
- Delaney, James, Coeur d'Alene, Idaho. Electric conducting mechanism. No. 1,119,687; Dec. 1; Gaz. vol. 209; p. 270.
- Delaney, Joseph P., assignor to Municipal Supplies Company, Pittsburgh, Pa. Gas-measuring instrument. No. 1,096,228; May 12; Gaz. vol. 202; p. 394.
- Delaney, Lawrence F., Watertown, N. Y. Expandable core. No. 1,115,057; Oct. 27; Gaz. vol. 207; p. 1064.
- Delano, Charles M. G., Warren, Me. Device for pulling automobiles and the like out of mud-puddles, &c. No. 1,096,606; May 12; Gaz. vol. 202; p. 523.
- Delany, Edward L., New York, N. Y. Fire-hydrant. No. 1,089,400; Mar. 10; Gaz. vol. 200; p. 293.
- Delany, Patrick B., South Orange, N. J. Telegraphic transmitter. No. 1,100,357; June 16; Gaz. vol. 203; p. 763.
- Delany, Patrick B., South Orange, N. J., assignor to The Telepost Company, New York, N. Y. Telegraphy. No. 1,108,147; Aug. 25; Gaz. vol. 205; p. 1036.
- Delany, Patrick B., South Orange, N. J., assignor to The Telepost Company, New York, N. Y. Telegraphy. No. 1,108,148; Aug. 25; Gaz. vol. 205; p. 1036.
- Delany, Philip S. (See Pomerantz, Isidor, assignor.)
- Delany, Philip S., assignor to Universal Ventilating Company, Kansas City, Mo. Ventilator. No. 1,113,883; Oct. 13; Gaz. vol. 207; p. 557.
- Delany, Philip S., assignor to Universal Ventilating Company, Kansas City, Mo. Bracket. No. 1,113,884; Oct. 13; Gaz. vol. 207; p. 557.
- Delaunay-Belleville, Robert, assignor to Société Anonyme des Etablissements Delaunay-Belleville, St.-Denis, France. Water-tube boiler. No. 1,083,517; Jan. 6; Gaz. vol. 198; p. 85.
- Delaunay-Belleville, Robert, assignor to Société Anonyme des Etablissements Delaunay-Belleville, St.-Denis, France. Self-propelling torpedo. No. 1,098,786; June 2; Gaz. vol. 203; p. 146.
- Delaunay-Belleville, Robert, assignor to Société Anonyme des Etablissements Delaunay-Belleville, St.-Denis, France. Water-tube boiler. No. 1,109,627; Sept. 1; Gaz. vol. 206; p. 271.
- Delaunay-Belleville, Robert, assignor to Société Anonyme Des Automobiles Delaunay-Belleville, St. Denis, France. Friction-brake. No. 1,111,058; Sept. 22; Gaz. vol. 206; p. 903.
- Delbrück, Konrad. (See Hofmann, Coutelle, Delbrück, and Meisenburg.)
- Delbrück, Konrad, and K. Meisenburg, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing 1,3-butylene glycol. No. 1,094,539; Apr. 28; Gaz. vol. 201; p. 954.
- Delehanty, William E., New York, N. Y. Automobile-tire. No. 1,085,408; Jan. 27; Gaz. vol. 198; p. 817.
- Deleplanque, Armand A., Paris, France. Portable circular saw for working metals. No. 1,108,093; Aug. 18; Gaz. vol. 205; p. 970.
- Deleuil, Lazare S., Paris, France. Machine for printing in relief. No. 1,102,884; July 7; Gaz. vol. 204; p. 230.
- Delgoffe, Joseph, Verviers, Belgium. Machine for carrying, drying, and automatically arranging paper tubes. No. 1,109,517; Sept. 1; Gaz. vol. 206; p. 231.
- Dellert, Frank A., Brooklyn, N. Y. Wheel rim and tire. No. 1,094,706; Apr. 28; Gaz. vol. 201; p. 1016.
- Dellinger, Abraham M., and O. K. Landis, Lancaster, Pa. Fodder-shredder. No. 1,117,345; Nov. 17; Gaz. vol. 208; p. 735.
- Delmage, William E., Minnedosa, Manitoba, Canada. Binder-reel attachment. No. 1,118,398; Nov. 24; Gaz. vol. 208; p. 1142.
- Delmez, Célestin, Antwerp, Belgium. Ball-bearing. No. 1,094,312; Apr. 21; Gaz. vol. 201; p. 816.
- Delpeut, Léon, Lisbon, Portugal. Can-opening device. No. 1,108,719; Aug. 25; Gaz. vol. 205; p. 1234.
- Delphos Manufacturing Company, The. (See Leilich, Henry L., assignor.)
- Delphos Manufacturing Company, The. (See Warnick and Leilich, assignors.)
- Delsie, Frank, Christchurch, New Zealand. Ladder-foot. No. 1,095,823; May 5; Gaz. vol. 202; p. 222.
- Delta Electric Company. (See Case, Arthur E., assignor.)
- Delta-Star Electric Company. (See Cravens, George W., assignor.)
- Delvin, Hart E., New York, N. Y. Numeral-wheel-resetting device. No. 1,112,895; Oct. 6; Gaz. vol. 207; p. 168.
- Delzell, Joseph W., Chattanooga, Tenn. Churn. No. 1,091,044; Mar. 24; Gaz. vol. 200; p. 936.
- Deman, Felix, assignor to Deman-Klous Manufacturing Company, New York, N. Y. Cutter for cigar-tips. No. 1,113,105; Oct. 6; Gaz. vol. 207; p. 239.
- Deman-Klous Manufacturing Company. (See Deman, Felix, assignor.)
- Demarco, Sabatino, Glasgow, Scotland. Ice-cream freezer. No. 1,120,037; Dec. 8; Gaz. vol. 209; p. 427.
- Demarest, Dewitt C., Passaic, N. J. Fountain-pen. No. 1,112,362; Sept. 29; Gaz. vol. 206; p. 1389.
- Demele, Rudolf, Rochester, N. Y. Gun. No. 1,084,848; Jan. 20; Gaz. vol. 198; p. 589.
- Dement, Isaac S., Chicago, Ill. Computing-machine. No. 1,088,812; Mar. 3; Gaz. vol. 200; p. 46.
- Dement, Isaac S., East Orange, N. J., assignor to American Mechanical Cashier Company, New York, N. Y. Computing-machine. No. 1,107,269; Aug. 18; Gaz. vol. 205; p. 679.
- Demers, Louis O., Boston, Mass. Piston-ring clamp. No. 1,113,106; Oct. 6; Gaz. vol. 207; p. 239.
- Demers, Napoléon, Sherbrooke, Quebec, Canada. Apparatus for boring bobbins. No. 1,112,363; Sept. 29; Gaz. vol. 206; p. 1389.
- Demers, Nazaire, Manchester, N. H. Hand-threading shuttle. No. 1,104,416; July 21; Gaz. vol. 204; p. 848.
- Démichel, Alphonse, Paris, France. Artificial horizon for sextants. No. 1,104,639; July 21; Gaz. vol. 204; p. 926.
- Deming, Joseph H., assignor of one-half to O. Nelson, Middletown, Conn. Differential coupling device. No. 1,096,830; May 19; Gaz. vol. 202; p. 641.
- Deming, Lucius F., Philadelphia, Pa. Tee-box. No. 1,089,824; Mar. 10; Gaz. vol. 200; p. 442.
- Deming, Macey F., Tappan, N. Y. Preserving food for infants, invalids, and old persons. No. 1,108,555; Aug. 25; Gaz. vol. 205; p. 1179.
- Deming, William L., Salem, Ohio. Account-cabinet. No. 1,092,564; Apr. 7; Gaz. vol. 201; p. 151.
- Demmer, Joseph, Dyersville, Iowa. Corn-planter harrow attachment. No. 1,120,912; Dec. 15; Gaz. vol. 209; p. 786.
- Demmler, Gustav A., Forest Park, Ill. Scraper for electric rails. No. 1,087,109; Feb. 17; Gaz. vol. 199; p. 627.
- Demmler, Henry L. (See Hewlett and Demmler.)
- Demory, Alexander F., Hagerstown, Md. Milking-pail. No. 1,107,413; Aug. 18; Gaz. vol. 205; p. 733.
- Dempsey, Charles A., assignor of one-half to J. F. Fowler, West Chicago, Ill. Drill. No. 1,121,171; Dec. 15; Gaz. vol. 209; p. 876.
- Dempsey, Irving L., Galena, Md. Wireless corn-planter. No. 1,122,701; Dec. 29; Gaz. vol. 209; p. 1480.
- Dempsey, Irving L., Galena, Md., assignor to The Oliver Typewriter Company, Chicago, Ill. Type-writing machine. No. 1,115,653; Nov. 3; Gaz. vol. 208; p. 64.
- Dempsey, James A., New York, N. Y. Grate-shaker. No. 1,093,386; Apr. 14; Gaz. vol. 201; p. 469.
- Dempsey, James E. (See Armbruster and Dempsey.)
- Dempster, Charles B., W. Elliott, and R. H. Schlachter, assignors to Dempster Mill Manufacturing Company, Beatrice, Nebr. Single-disk grain-drill. No. 1,085,551; Jan. 27; Gaz. vol. 198; p. 861.
- Dempster, James B., Des Moines, Iowa. Static electric machine. No. 1,109,205; Sept. 1; Gaz. vol. 206; p. 124.
- Dempster, John T. H., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 1,091,563; Mar. 31; Gaz. vol. 200; p. 1153.
- Dempster, John T. H., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 1,091,564; Mar. 31; Gaz. vol. 200; p. 1154.
- Dempster, John T. H., Schenectady, N. Y., assignor to General Electric Company. Arc-lamp. No. 1,091,641; Mar. 31; Gaz. vol. 200; p. 1180.
- Dempster, John T. H., Schenectady, N. Y., assignor to General Electric Company. Starting means for vapor electric apparatus. No. 1,093,545; Apr. 14; Gaz. vol. 201; p. 517.
- Dempster, John T. H., Schenectady, N. Y., assignor to General Electric Company. Electrode. No. 1,118,399; Nov. 24; Gaz. vol. 208; p. 1142.
- Dempster, John T. H., Schenectady, N. Y., assignor to General Electric Company. Electrode. No. 1,118,400; Nov. 24; Gaz. vol. 208; p. 1142.
- Dempster Mill Manufacturing Company. (See Dempster, Elliott, and Schlachter, assignors.)
- Dempster Mill Manufacturing Company. (See Elliott, William, assignor.)
- Demuth, Leopold, New York, N. Y. Tobacco-pipe. No. 1,086,902; Feb. 10; Gaz. vol. 199; p. 507.
- Demuth, Luther B., Beidler, Ohio. Irrigation device. No. 1,112,271; Sept. 29; Gaz. vol. 206; p. 1359.
- Dench, William L., Pelham, N. Y., assignor to Elliott-Fisher Company, Harrisburg, Pa. Key-locking mechanism for writing and adding machines. No. 1,113,315; Oct. 13; Gaz. vol. 207; p. 358.
- Dench, William L., Pelham, assignor to J. T. Underwood, Brooklyn, N. Y. Combined type-writing and computing machine. No. 1,121,808; Dec. 22; Gaz. vol. 209; p. 1132.
- Denchner, Alfred, Christchurch, New Zealand. Indicating money-box. No. 1,095,713; May 5; Gaz. vol. 202; p. 184.
- Deneen, John, Greenville, Cal. Chain saw. No. 1,116,574; Nov. 10; Gaz. vol. 208; p. 422.
- Denehie, William A., assignor of one-half to G. L. Cooper, Los Angeles, Cal. Throttle-valve. No. 1,106,633; Aug. 11; Gaz. vol. 205; p. 411.
- Denemark, Solomon, Brooklyn, N. Y. Snow-melting apparatus. No. 1,117,985; Nov. 24; Gaz. vol. 208; p. 998.
- Dengler, Benjamin F., Los Angeles, Cal. Base-ball-game board. No. 1,092,979; Apr. 14; Gaz. vol. 201; p. 328.

Alphabetical list of patentees—Continued.

- Denhard, Harry W., San Francisco, Cal., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric heating device. No. 1,101,527; June 30; Gaz. vol. 203; p. 1271.
- Denhard, Harry W., San Francisco, Cal., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric resistance unit. No. 1,102,249; July 7; Gaz. vol. 204; p. 10.
- Denhard, Harry W., San Francisco, Cal., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Heating device. No. 1,102,392; July 7; Gaz. vol. 204; p. 59.
- Denhard, Harry W., San Francisco, Cal., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric resistance unit. No. 1,102,393; July 7; Gaz. vol. 204; p. 60.
- Denhard, Harry W., San Francisco, Cal., assignor, by mesne assignments, to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric heater. No. 1,103,274; July 14; Gaz. vol. 204; p. 414.
- Denhard, Harry W., San Francisco, Cal., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,114,680; Oct. 20; Gaz. vol. 207; p. 875.
- Denhard, Harry W., San Francisco, Cal., assignor, by mesne assignments, to The Cutler-Hammer Mfg. Co. Electric heater. No. 1,121,074; Dec. 15; Gaz. vol. 209; p. 841.
- Denine, Martin A., assignor of one-fourth to A. L. Miller, Spokane, Wash. Aeroplane. No. 1,117,556; Nov. 17; Gaz. vol. 208; p. 808.
- Denio General Electric Company. (See Erickson, John, assignor.)
- Denis, John G., New Orleans, La. Wrapping-machine. No. 1,102,015; June 30; Gaz. vol. 203; p. 1442.
- Denis, Luc L. B., Paris, France. Metal spring. (Reissue.) No. 13,699; Mar. 17; Gaz. vol. 200; p. 828.
- Denis, Luc L. B., Paris, France. Elastic wheel. No. 1,107,916; Aug. 18; Gaz. vol. 205; p. 906.
- Denis, Michael, Paradise, Mont. Railway-rail. No. 1,095,460; May 5; Gaz. vol. 202; p. 98.
- Denison, Howard and S., Pittsburgh, Pa. Car-replacer. No. 1,092,635; Apr. 7; Gaz. vol. 201; p. 178.
- Denison, Sullivan. (See Denison, Howard and S.)
- Denk, Simon, Brooklyn, N. Y. Roll for twist-drills. No. 1,106,928; Aug. 11; Gaz. vol. 205; p. 514.
- Denker, August, Rath, near Dusseldorf, assignor to R. Dietel, Dusseldorf-Obercassel, Germany. Machine for cutting the teeth of spur-wheels. No. 1,115,909; Nov. 3; Gaz. vol. 208; p. 151.
- Denker, August, Ternitz-on-the-Südbahn, assignor to Dietel-Gesellschaft G. m. b. H., Prague, Austria-Hungary. Cutting the teeth of spur gear-wheels. No. 1,115,910; Nov. 3; Gaz. vol. 208; p. 151.
- Denker, Herman G. S., Baltimore, Md. Shoe-tree. No. 1,121,233; Dec. 15; Gaz. vol. 209; p. 896.
- Denman, George E., Fruitvale, Cal. Liquid-fuel burner. No. 1,086,998; Feb. 10; Gaz. vol. 199; p. 538.
- Denman, George E., Fruitvale, Cal. Liquid-fuel burner. No. 1,114,450; Oct. 20; Gaz. vol. 207; p. 798.
- Denmead, John W., Akron, Ohio. Bead-rolling machine for plastic articles. No. 1,091,123; Mar. 24; Gaz. vol. 200; p. 963.
- Dennehy, Denis, Pittsburgh, Pa. Automatic regulating-valve. No. 1,120,454; Dec. 8; Gaz. vol. 209; p. 576.
- Dennehy, Denis, assignor of one-half to W. Downs, Chicago, Ill. Non-refillable bottle. No. 1,097,397; May 19; Gaz. vol. 202; p. 842.
- Denner, Charlotte I., Santa Rosa, Cal. Bead-crocheting needle. No. 1,104,640; July 21; Gaz. vol. 204; p. 927.
- Denner-Meier, Caesar C., Stifa, Switzerland. Locking device for uniting edged bodies. No. 1,116,249; Nov. 3; Gaz. vol. 208; p. 266.
- Denney, Harrison A., *et al.* (See Bayley, Emery S., assignor.)
- Denney, William A., assignor to J. R. Little Metal Wheel Company, Quincy, Ill. Molding-machine. No. 1,111,529; Sept. 22; Gaz. vol. 206; p. 1064.
- Denning, Joseph M., Denver, Colo. Plow-lift. No. 1,095,824; May 5; Gaz. vol. 202; p. 222.
- Dennis, Adolphus S., Lakewood, Ohio, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,106,929; Aug. 11; Gaz. vol. 205; p. 514.
- Dennis, Adolphus S., Lakewood, assignor to The James J. Hinde Company, Cleveland, Ohio. Calculating-machine. No. 1,114,593; Oct. 20; Gaz. vol. 207; p. 846.
- Dennis, Alfred A., Grand Rapids, Mich. Pneumatic tire. No. 1,109,970; Sept. 8; Gaz. vol. 206; p. 436.
- Dennis, Clara R., Washington, D. C. Trunk. No. 1,089,333; Mar. 3; Gaz. vol. 200; p. 223.
- Dennis, Conrad L., Bucklin, Kans. Device for trisecting angles. No. 1,093,919; Apr. 21; Gaz. vol. 201; p. 687.
- Dennis, Edward D. (See Kreuter and Dennis.)
- Dennis, Elmer L., assignor to Andrews Wire & Iron Works, Rockford, Ill. Package-carrier for bicycles. No. 1,094,885; Apr. 28; Gaz. vol. 201; p. 1076.
- Dennis, Frank O., assignor of one-half to A. Nelson, North Clarendon, Vt. Photographic-printing device. No. 1,085,892; Feb. 3; Gaz. vol. 199; p. 111.
- Dennis, Fred J. (See Seegmiller, Charles H., assignor.)
- Dennis, Henry, St. Louis, Mo. Flying-machine. No. 1,114,868; Oct. 27; Gaz. vol. 207; p. 996.
- Dennis, Lee J., Memphis, Tenn. Grain-drier. No. 1,084,732; Jan. 20; Gaz. vol. 198; p. 549.
- Dennis, Louis M., Ithaca, N. Y. Separating the rare earths, together with thorium, cerium, and zirconium by electrolysis. No. 1,115,513; Nov. 3; Gaz. vol. 208; p. 16.
- Dennis, Lyman L., Memphis, Mo. Egg-poacher. No. 1,097,398; May 19; Gaz. vol. 202; p. 843.
- Dennis, William, assignor, by mesne assignments, to Verges Manufacturing Co., Milwaukee, Wis. Friction-clutch. (Reissue.) No. 13,821; Nov. 3; Gaz. vol. 208; p. 304.
- Dennis, William B., Hagerstown, Md. Brush. No. 1,111,955; Sept. 29; Gaz. vol. 206; p. 1249.
- Dennison, Charles R., Youngstown, Ohio. Amalgamator. No. 1,111,251; Sept. 22; Gaz. vol. 206; p. 969.
- Dennison Manufacturing Company. (See Bissell, Elizabeth, assignor.)
- Dennison Manufacturing Company. (See Portmore, Thomas G., assignor.)
- Dennison Manufacturing Company. (See Van Ness, Schuyler, assignor.)
- Dennison, Thomas F., Passaic, N. J. Guide for sewing-machines. No. 1,109,404; Sept. 1; Gaz. vol. 206; p. 195.
- Dennison, Wilburn N., Merchantville, N. J., assignor to Victor Talking Machine Company. Sound-box for talking-machines. No. 1,084,319; Jan. 13; Gaz. vol. 198; p. 383.
- Dennison, William, New Orleans, La. Meter-box. No. 1,101,908; June 30; Gaz. vol. 203; p. 1402.
- Denny, Charles W., Philadelphia, Pa. Hanger-socket. No. 1,109,115; Sept. 1; Gaz. vol. 206; p. 91.
- Denny, Charles W., assignor to Clip Bar Manufacturing Company, Philadelphia, Pa. Metallic guard for concrete curbing and the like. No. 1,086,758; Feb. 10; Gaz. vol. 199; p. 457.
- Denny, George H., Newark, N. J. Bunsen burner for heating or illuminating. No. 1,090,202; Mar. 17; Gaz. vol. 200; p. 614.
- Denny-Renton Clay and Coal Co. (See Keenan, John F., assignor.)
- Denny, Thomas J. (See Brownjohn and Denny.)
- Densel, Daniel H., Hudson, Mich. Yoke-strap snap. No. 1,118,924; Dec. 1; Gaz. vol. 209; p. 7.
- Densmore, Joseph M., assignor of one-half to E. V. Carter, Ashland, Oreg. Wood-rasp. No. 1,100,544; June 16; Gaz. vol. 203; p. 826.
- Denson, John V. (See Rudd and Williams, assignors.)
- Dent Hardware Company, The. (See Schrader, Thomas O., assignor.)
- Dental Manufacturing Company. (See Edwards and Shilling, assignors.)
- Denton, Arthur. (See Ogden, Joseph, assignor.)
- Denton, Daniel T., Upland, Cal. Wheeled cultivator. No. 1,122,370; Dec. 29; Gaz. vol. 209; p. 1365.
- Denton, Herbert, Benton Harbor, Mich. Mop-wringer. No. 1,118,401; Nov. 24; Gaz. vol. 208; p. 1142.
- Denton, John, Paterson, N. J. Flushing apparatus. No. 1,109,971; Sept. 8; Gaz. vol. 206; p. 436.
- Denton, Samuel W., Bronwood, Ga. Bagging-measuring machine. No. 1,093,037; Apr. 14; Gaz. vol. 201; p. 347.
- Denver Ford Starter Company, The. (See Miercort, Charles B., assignor.)
- Denver Quartz Mill and Crusher Company, The. (See Arnold, Samuel C., assignor.)
- Denver Rock Drill & Machinery Company, The. (See Waugh, Daniel S., assignor.)
- Denver Rock Drill Manufacturing Company, The. (See Clement, John F., assignor.) (Reissue.)
- Denver Rock Drill Manufacturing Company, The. (See Waugh, Daniel S., assignor.)
- Deperbrock, Frank, San Francisco, Cal. Compact folding vapor-bath cabinet. No. 1,092,699; Apr. 7; Gaz. vol. 201; p. 198.
- Deperdussin, Armand J. A., Paris, France. Aeroplane-fuselage. No. 1,106,193; Aug. 4; Gaz. vol. 205; p. 212.
- Depew, George M., Canandaigua, N. Y. Conveyer. No. 1,094,780; Apr. 28; Gaz. vol. 201; p. 1041.
- Depew, John C. (See Dawson, John W., assignor.)
- Depollier, Charles L., New York, N. Y. Expansion-link catch-hook. No. 1,088,549; Feb. 24; Gaz. vol. 199; p. 1169.
- Depollier, Charles L., New York, N. Y. Expansion-link catch-hook and clasp. No. 1,088,550; Feb. 24; Gaz. vol. 199; p. 1170.
- Depollier, Charles L., New York, N. Y. Detachable strap terminal and hook. No. 1,090,694; Mar. 17; Gaz. vol. 200; p. 784.
- Depollier, Charles L., New York, N. Y. Detachable strap terminal and hook. No. 1,095,825; May 5; Gaz. vol. 202; p. 222.
- Depollier, Charles L., New York, and E. C. Duncuff, Mount Vernon, assignors to Dubois Watch Case Company, Brooklyn, N. Y. Expandible securing device for watch-bracelets. No. 1,113,885; Oct. 13; Gaz. vol. 207; p. 558.
- Deppen, Isaac M., Scranton, Pa. Sash-fastener. No. 1,095,714; May 5; Gaz. vol. 202; p. 185.
- Depta, Joseph, Passaic, N. J. Life-preserver. No. 1,111,010; Sept. 22; Gaz. vol. 206; p. 886.

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- Depue, Oscar B., Chicago, Ill., assignor of one-half to E. W. Goodrich, Somerville, Mass. Lens-holder. No. 1,118,187; Nov. 24; Gaz. vol. 208; p. 1068.
- Deray, Jean F., assignor to himself, C. E. Lebrecht, and A. P. Freeman, Sunnyvale, Cal., trustees. Diver's suit. No. 1,096,607; May 12; Gaz. vol. 202; p. 523.
- Deray, Jean F., assignor to himself, C. E. Lebrecht, and A. P. Freeman, Sunnyvale, Cal., trustees. Diver's air-pump. No. 1,107,414; Aug. 18; Gaz. vol. 205; p. 733.
- Derby, Earle, Coalinga, and H. B. Truett, San Francisco, Cal. Apparatus for handling casing in drilling wells. No. 1,121,718; Dec. 22; Gaz. vol. 209; p. 1101.
- Derby, John H., New York, N. Y. Process of and apparatus for treating fur-hat bodies. No. 1,123,113; Dec. 29; Gaz. vol. 209; p. 1624.
- Derbyshire, Alfred E., Lansing, assignor of one-half to J. C. Dailey, Leavenworth, Kans. Hose-coupling. No. 1,096,690; May 12; Gaz. vol. 202; p. 551.
- Derbyshire, Henry E., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Cylinder for engines. No. 1,094,199; Apr. 21; Gaz. vol. 201; p. 780.
- Derbyshire, Henry E., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Steam hydraulic press. No. 1,097,399; May 19; Gaz. vol. 202; p. 843.
- Derbyshire, Henry E., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Drop-hammer. No. 1,100,289; June 16; Gaz. vol. 203; p. 740.
- Derbyshire, Henry E., and A. A. Longaker, assignors to Chambersburg Engineering Company, Chambersburg, Pa. Wheel-demounting press. No. 1,099,120; June 2; Gaz. vol. 203; p. 255.
- Derfingier, Calvin O., assignor of one-half to J. W. Morgan, Riverton, Va. Car-coupling. No. 1,102,648; July 7; Gaz. vol. 204; p. 150.
- Derge, Albert R., Oakland, Cal. Burglar-proof screen. No. 1,091,045; Mar. 24; Gaz. vol. 200; p. 936.
- Derks, Ernest V., *et al.* (See Heina, William M., assignor.)
- Dern, George H., *et al.* (See Christensen and Holt, assignors.)
- Dern, George H., Salt Lake City, and T. P. Holt, Park City, Utah. Ore-roaster. No. 1,113,961; Oct. 20; Gaz. vol. 207; p. 623.
- Dern, George H., Salt Lake City, and T. P. Holt, Park City, Utah. Ore-roaster. No. 1,113,962; Oct. 20; Gaz. vol. 207; p. 624.
- Derr, Leid P., Pittsburgh, Pa. Field-cover. No. 1,088,407; Feb. 24; Gaz. vol. 199; p. 1124.
- Derrick, Millard F., Montreal, Quebec, Canada. Suction gas-producer. No. 1,107,917; Aug. 18; Gaz. vol. 205; p. 907.
- Deruy, Abdon F., Pittsburg, Kans. Post for drilling-machines. No. 1,092,980; Apr. 14; Gaz. vol. 201; p. 328.
- Des Rosiers, John B., Providence, R. I. Catamenial appliance. No. 1,110,674; Sept. 15; Gaz. vol. 206; p. 727.
- Des Rosiers, Narcisse, Detroit, Mich. Door. No. 1,100,057; June 16; Gaz. vol. 203; p. 659.
- Desaules, Georges, Paris, France. Propelling or receiving fluid reaction machine especially applicable to aerial navigation. No. 1,102,016; June 30; Gaz. vol. 203; p. 1442.
- Deschenaux, Roch F., Montreal, Quebec, Canada. Oil-stone. No. 1,084,616; Jan. 20; Gaz. vol. 198; p. 508.
- Deschere, Harvey, New York, N. Y. Electric sign. No. 1,091,916; Mar. 31; Gaz. vol. 200; p. 1277.
- Desenberg, Edward B., Kalamazoo, and E. S. Pilsworth, Battle Creek, Mich. Instrument for writing, marking, or decorating with plastic materials. No. 1,099,344; June 9; Gaz. vol. 203; p. 379.
- Desgouttes, Pierre, Lyon, France. Valve-actuating mechanism for internal-combustion engines. No. 1,099,491; June 9; Gaz. vol. 203; p. 428.
- Deshler, Henry D., Belvidere, N. J. Vending-machine. No. 1,107,270; Aug. 18; Gaz. vol. 205; p. 680.
- Desloge, Ellen J. D., St. Louis, Mo. Device for turning nipples. No. 1,113,605; Oct. 13; Gaz. vol. 207; p. 459.
- Desmond, John, Wilmette, Ill. Means for starting internal-combustion engines. No. 1,098,888; June 2; Gaz. vol. 203; p. 180.
- Desmond, John, Wilmette, assignor to W. S. Potwin, Chicago, Ill. Liquid-dispensing device. No. 1,091,642; Mar. 31; Gaz. vol. 200; p. 1181.
- Desmond, John, Wilmette, assignor to W. S. Potwin, Chicago, Ill. Controlling valve for pressure-gages. No. 1,102,730; July 7; Gaz. vol. 204; p. 177.
- Desmond, John, Wilmette, assignor to W. S. Potwin, Chicago, Ill. Flexible piston-rod and cylinder therefor. No. 1,106,930; Aug. 11; Gaz. vol. 205; p. 515.
- Desmond, John, Wilmette, assignor to W. S. Potwin, Chicago, Ill. Means for starting internal-combustion engines. No. 1,108,720; Aug. 25; Gaz. vol. 205; p. 1235.
- Desmond, John, assignor to W. S. Potwin, Chicago, Ill. Electric switch. No. 1,118,188; Nov. 24; Gaz. vol. 208; p. 1068.
- Desormeau, Adolphus, and D. M. Dayton, Tower, Mich. Tool. No. 1,121,900; Dec. 22; Gaz. vol. 209; p. 1165.
- Despins, Wilfred. (See Cautin and Despins.)
- Despot, Michael, Dayton, Ohio. Foldable life-preserver. No. 1,116,393; Nov. 10; Gaz. vol. 208; p. 357.
- Dessauer, Friedrich, Aschaffenburg, Germany. Apparatus for taking photographs with Röntgen rays. No. 1,096,691; May 12; Gaz. vol. 202; p. 551.
- Dessauer, Friedrich, Frankfurt-on-the-Main, Germany. Apparatus for making instantaneous X-ray photographs. No. 1,096,692; May 12; Gaz. vol. 202; p. 552.
- Desso, William F., Somers, Conn. Car-replacing device. No. 1,106,864; Aug. 11; Gaz. vol. 205; p. 491.
- Destrez, Leon A., Paris, France. Machine for covering fabrics and other objects with material in the form of powder. No. 1,103,947; July 21; Gaz. vol. 204; p. 688.
- Detecta Phone Company of America. (See Preusse, Gunther R., assignor.)
- Determann, August P., Lyons, Iowa. Pneumatic-stacker hood. No. 1,121,810; Dec. 22; Gaz. vol. 209; p. 1132.
- Detrick, Emmett G., Vicksburg, Miss. Pneumatic hammer. No. 1,108,834; Aug. 25; Gaz. vol. 205; p. 1273.
- Detrick, Harry M., *et al.* (See Dutchman, John, assignor.)
- Detrick, Jacob S., Baltimore, Md. Drilling-machine. No. 1,087,646; Feb. 17; Gaz. vol. 199; p. 818.
- Detrik, Joseph, assignor of one-third to J. Komlósi, Pricedale, Pa. Extension-ladder. No. 1,112,122; Sept. 29; Gaz. vol. 206; p. 1305.
- Detroit Auto Specialty Co. (See Dickerson, Augustus W., assignor.)
- Detroit Can Company. (See Harbeck, Jervis R., assignor.)
- Detroit Coil Company. (See Underhill, Charles R., assignor.)
- Detroit Copper and Brass Rolling Mills. (See Henderson, Alexander, assignor.)
- Detroit Demountable Rim Co. (See Snyder, Harry M., assignor.)
- Detroit Dental Manufacturing Company. (See Bartlett and Kerr, assignors.)
- Detroit Pneumatic Tire Company. (See Wilson, Eugene W., assignor.)
- Detroit Steel Products Company. (See Briggs, Delamar C., assignor.)
- Detroit Steel Products Company. (See Briggs and Rumney, assignors.)
- Detroit Steel Products Company. (See Drummond, Robert S., assignor.)
- Detroit Stove Works. (See Davenport, Ransom W., assignor.)
- Detroit Tractor Company. (See Baker, Frank E., assignor.)
- Detroit Tractor Company *et al.* (See Wingo, Richard T., assignor.)
- Detwiler, Forest V., Chicago, Ill. Heater and cooker. No. 1,084,074; Jan. 13; Gaz. vol. 198; p. 300.
- Detwiler, Forest V., Chicago, Ill. Cooking apparatus. No. 1,089,911; Mar. 10; Gaz. vol. 200; p. 472.
- Detwiler, Forest V., Chicago, Ill. Heater and cooker. No. 1,090,289; Mar. 17; Gaz. vol. 200; p. 645.
- Detwiler, Forest V., Chicago, Ill. Refrigerator. No. 1,099,284; June 9; Gaz. vol. 203; p. 356.
- Detwiler, Forest V., Chicago, Ill. Refrigerator. No. 1,105,410; July 28; Gaz. vol. 204; p. 1245.
- Detwiler, Forest V., Chicago, Ill. Cooker. No. 1,106,634; Aug. 11; Gaz. vol. 205; p. 411.
- Detwiler, Forest V., Chicago, Ill. Refrigerator. No. 1,112,687; Oct. 6; Gaz. vol. 207; p. 99.
- Detwiler, Forest V., Chicago, Ill. Refrigerator. No. 1,116,033; Nov. 3; Gaz. vol. 208; p. 194.
- Detwiler, Forest V., Chicago, Ill. Cooking apparatus. No. 1,119,579; Dec. 1; Gaz. vol. 209; p. 235.
- Detwiler, Ulysses G., Verona, Pa. Riveting-tool. No. 1,100,230; June 16; Gaz. vol. 203; p. 719.
- Deucher, Charles A., New York, N. Y. Horse-overshoe. No. 1,120,455; Dec. 8; Gaz. vol. 209; p. 576.
- Deucher, Charles A., assignor of one-third to J. J. Lyons, New York, N. Y. Horse-overshoe. No. 1,093,547; Apr. 14; Gaz. vol. 201; p. 517.
- Deuster, Leo J., and C. Honour, Suttons Bay, Mich. Potato-bug catcher. No. 1,091,200; Mar. 24; Gaz. vol. 200; p. 990.
- Deuther, Lorenz A., Buffalo, N. Y. Bowling-pin and like article. No. 1,087,927; Feb. 24; Gaz. vol. 199; p. 957.
- Deutsch-Luxemburgische Bergwerks- und Hutten-Aktiengesellschaft. (See Kelbel, Hermann, assignor.)
- Deutsch, Simon. (See Cook and Deutsch.)
- Deutsch, Simon, Detroit, Mich. Centrifugal clutch. No. 1,108,345; Aug. 25; Gaz. vol. 205; p. 1105.
- Deutsch, Simon, Detroit, Mich. Motor gearing and housing. No. 1,111,884; Sept. 29; Gaz. vol. 206; p. 1228.
- Deutsch, Simon, Detroit, Mich. Engine-starter. No. 1,111,885; Sept. 29; Gaz. vol. 206; p. 1228.
- Deutsche Gasglühlicht Aktiengesellschaft (Auergesellschaft). (See Davies, Preston, assignor.)
- Deutsche Gasglühlicht Aktiengesellschaft (Auergesellschaft). (See Goopper, Emil, assignor.)
- Deutsche Gasglühlicht Aktiengesellschaft (Auergesellschaft). (See Keelman and Jost, assignors.)
- Deutsche Gasglühlicht Aktiengesellschaft. (Auergesellschaft). (See Stern, Ernst, assignor.)
- Deutsche Post- und Eisenbahn-Verkehrswesen Aktien-gesellschaft (Dapag-Efubag). (See Lerche, Julius, assignor.)

Alphabetical list of patentees—Continued.

- Deutsche Waffen- und Munitionsfabriken. (See Baltzer, Friedrich, assignor.)
 Deutsche Waffen- und Munitionsfabriken. (See Gebauer, Paul, assignor.)
 Deutsche Waffen- und Munitionsfabriken. (See Heine-mann, Karl, assignor.)
 Deutscher, Herman H., Carrollton, Mo. Farm-gate. No. 1,102,481; July 7; Gaz. vol. 204; p. 91.
 Devall, Herbert W., Exuma, Bahama Islands. Toy. No. 1,120,456; Dec. 8; Gaz. vol. 209; p. 576.
 Devane, William E. P., Adel, Ga. Nut-lock for rail-joints. No. 1,097,918; May 26; Gaz. vol. 202; p. 1070.
 Devaney, John L., Chicago, Ill. Hair-curler. No. 1,121,719; Dec. 22; Gaz. vol. 209; p. 1102.
 Devarney, Mitchel E., St. Albans, Vt. Bottle. No. 1,106,030; Aug. 4; Gaz. vol. 205; p. 156.
 Devault, John A. (See Rutledge, Boland, and Devault.)
 Devault, Philip J., Denver, Colo. Make-and-break device. No. 1,086,999; Feb. 10; Gaz. vol. 199; p. 539.
 Dever, Joseph P. (See Friedmann, Harry, assignor.)
 Deverell, Charles, Portland, Oreg. Undercut-saw guide. No. 1,096,693; May 12; Gaz. vol. 202; p. 552.
 Deves, Francois, New York, N. Y. Transmission-gearing. No. 1,093,920; Apr. 21; Gaz. vol. 201; p. 687.
 Deville, Emile S., assignor to Societe Du Gaz De Paris, Paris, France. Device for indicating naphthalene in illuminating-gas. No. 1,100,231; June 16; Gaz. vol. 203; p. 719.
 Devini, John H., Cleveland, Tex. Saw-tool. No. 1,098,233; May 26; Gaz. vol. 202; p. 1177.
 Devlin, Henry, assignor to The M. Garland Company, Bay City, Mich. Transmission mechanism. No. 1,091,487; Mar. 31; Gaz. vol. 200; p. 1128.
 Devlin, Henry A., Middletown township, Bucks county, Pa. License-tag carrier. No. 1,086,445; Feb. 10; Gaz. vol. 199; p. 347.
 Devlin, John S., New York, N. Y. Boiler attachment. No. 1,100,545; June 16; Gaz. vol. 203; p. 827.
 Devos, Charles, St. Louis, Mo. Automatic safety-stop for locomotives. No. 1,088,013; Feb. 24; Gaz. vol. 199; p. 990.
 Devoto, Eugene, *et al.* (See Castronuovo, Carmelo, assignor.)
 Devoto, Luis, *et al.* (See Castronuovo, Carmelo, assignor.)
 Dew, James W. H., London, England. Tire-wrapping machine. No. 1,116,806; Nov. 10; Gaz. vol. 208; p. 506.
 Dewald, Edgar L., Ottawa, Kans. Fish-screen. No. 1,121,075; Dec. 15; Gaz. vol. 209; p. 841.
 Dewar, George M., assignor of one-half to A. Thompson, Indianapolis, Ind. Lamp-socket and shade-holder. No. 1,092,810; Apr. 7; Gaz. vol. 201; p. 235.
 Dewey, Charles D., Fairfield, Iowa. Washing-machine. No. 1,120,698; Dec. 15; Gaz. vol. 209; p. 709.
 Dewey, George Q., Burbank, Cal. Nut-lock. No. 1,083,877; Jan. 6; Gaz. vol. 198; p. 200.
 Dewey, Haywood G., Newark, N. J. Weighing-machine. No. 1,107,592; Aug. 18; Gaz. vol. 205; p. 795.
 Dewey, Josiah A., assignor to W. K. White, San Francisco, Cal. Disappearing bed. No. 1,097,751; May 26; Gaz. vol. 202; p. 1009.
 Dewey, Roy R., Triumph, Ill. Attachment for corn-planters. No. 1,091,879; Mar. 31; Gaz. vol. 200; p. 1265.
 Dewinsky, Aaron, Bethlehem, Pa. Sled. No. 1,121,811; Dec. 22; Gaz. vol. 209; p. 1133.
 Dewitt, Carl F., Berlin, Germany. Syringe. No. 1,084,257; Jan. 13; Gaz. vol. 198; p. 362.
 Dewson, Edward H., New York, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load-brake. No. 1,089,401; Mar. 10; Gaz. vol. 200; p. 294.
 Dewson, Edward H., New York, N. Y., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Electropneumatic brake-valve. No. 1,108,149; Aug. 25; Gaz. vol. 205; p. 1037.
 Dewson, Edward H., New York, N. Y., and W. V. Turner, Edgewood, assignors to The Westinghouse Air Brake Company, Pittsburgh, Pa. Electropneumatic brake apparatus. No. 1,092,141; Apr. 7; Gaz. vol. 201; p. 6.
 Dexheimer, Henry P., and W. H. Clifford, Marion, Ind. Illuminating apparatus. No. 1,109,206; Sept. 1; Gaz. vol. 206; p. 124.
 Dexter Folder Company. (See Dexter, Talbot C., assignor.)
 Dexter Folder Company. (See Groom, Jacob, assignor.)
 Dexter Folder Company. (See Martin, George A., assignor.)
 Dexter Folder Company. (See Slade, Albert J., Jr., assignor.)
 Dexter, Henry C. (See Harkness, Charles, assignor.)
 Dexter, MacDougald, Columbus, Ga. Apparatus for transmitting and indicating fluctuating pressures of water, gas, and steam. No. 1,100,867; June 23; Gaz. vol. 203; p. 991.
 Dexter, Talbot C., assignor to Dexter Folder Company, Pearl River, N. Y. Paper-feeding machine. No. 1,098,234; May 26; Gaz. vol. 202; p. 1178.
 Deyl, Václav O., Vinor, near Prague, Austria-Hungary. Topping-machine. No. 1,096,695; May 12; Gaz. vol. 202; p. 552.
 Di Bianca, Natale, New York, N. Y. Tobacco-pipe. No. 1,109,207; Sept. 1; Gaz. vol. 206; p. 125.
 Di Domenica, Antonio, and A. Amicarelli, Wallingford, assignors to The New England Macaroni Company, New Haven, Conn. Drier. No. 1,086,903; Feb. 10; Gaz. vol. 199; p. 507.
 Di Gianni, Frank, Muscatine, Iowa. Shell-grinder. No. 1,109,405; Sept. 1; Gaz. vol. 206; p. 196.
 Di Gianni, Frank, assignor to Muscatine Pearl Novelty Company, Muscatine, Iowa. Shell-grinding machine. No. 1,085,381; Jan. 27; Gaz. vol. 198; p. 808.
 Di Leonardo, Domenico, Ellwood City, Pa. Engine-starting device. No. 1,120,922; Dec. 15; Gaz. vol. 209; p. 788.
 Diadem Manufacturing Company. (See Sawyer, Burnside E., assignor.)
 Diall, Martin N., Sedan, Kans. Tank-trap. No. 1,095,827; May 5; Gaz. vol. 202; p. 223.
 Diamant, Herman, county of Middlesex, England. Resilient tire for motor-cars and other vehicles. No. 1,110,750; Sept. 15; Gaz. vol. 206; p. 752.
 Diamant, Sigismondo, Budapest, Austria-Hungary. Rotary internal-combustion engine. No. 1,101,688; June 30; Gaz. vol. 203; p. 1326.
 Diamond Crystal Salt Company. (See Well, Charles L., assignor.)
 Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Belt-fastener. No. 1,094,131; Apr. 21; Gaz. vol. 201; p. 757.
 Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Machine for setting belt-fasteners. No. 1,094,132; Apr. 21; Gaz. vol. 201; p. 757.
 Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Belt-hook. No. 1,114,237; Oct. 20; Gaz. vol. 207; p. 721.
 Diamond Machine Company. (See Pond, Dana W., assignor.)
 Diamond Manufacturing Company. (See Neuman, Hugo, assignor.)
 Diamond Match Company, The. (See Cruser and Green, assignors.)
 Diamond Match Company, The. (See Donnelly, Joseph C., assignor.)
 Diamond Match Company, The. (See Rudd and Collins, assignors.)
 Diamond Match Company, The. (See Schafer, Frank, assignor.)
 Diamond Match Company, The. (See Wey, William G., assignor.)
 Diamond Match Company, The. (See Wright, Jacob P., assignor.)
 Diamond Power Specialty Company. (See Higgins, Harry A., assignor.)
 Diamond Power Specialty Company. (See Waller, Thomas S., assignor.)
 Diamond, Thomas J., Newburgh, N. Y. Bath-mitten. No. 1,091,880; Mar. 31; Gaz. vol. 200; p. 1265.
 Dianovszky, John, assignor of one-half to O. A. Schlegel, Passaic, N. J. Blade for turbines. No. 1,094,133; Apr. 21; Gaz. vol. 201; p. 758.
 Diaz, Bárbaro J., Madrid, Spain. Hat pressing or blocking device. No. 1,106,635; Aug. 11; Gaz. vol. 205; p. 412.
 Diaz, Barbaro J., Madrid, Spain. Hat-blocking machine. No. 1,118,638; Nov. 24; Gaz. vol. 208; p. 1227.
 Diaz, Pascual M., San Antonio, Tex., assignor to Mergenthaler Linotype Company. Mold for typographical casting-machines. No. 1,092,142; Apr. 7; Gaz. vol. 201; p. 6.
 Diboll, Collins C., *et al.* (See Febiger, Henry B., assignor.)
 Dichmann, William, assignor of one-half to C. A. Wake-man, Oshkosh, Wis. Apparatus and method for making tubular packing-pads. No. 1,097,792; May 26; Gaz. vol. 202; p. 1024.
 Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Sheet-feeding apparatus. No. 1,086,351; Feb. 10; Gaz. vol. 199; p. 315.
 Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Sheet-feeding apparatus. No. 1,086,352; Feb. 10; Gaz. vol. 199; p. 316.
 Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Delivery device. No. 1,086,353; Feb. 10; Gaz. vol. 199; p. 316.
 Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Stenciling material. No. 1,094,837; Apr. 28; Gaz. vol. 201; p. 1060.
 Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Stenciling material and using the same. No. 1,101,258; June 23; Gaz. vol. 203; p. 1127.
 Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Stenciling material. No. 1,101,259; June 23; Gaz. vol. 203; p. 1128.
 Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Stencil-sheet. No. 1,101,260; June 23; Gaz. vol. 203; p. 1128.
 Dick, Archie P., Jr., Clarksville, Tex. Burglar-alarm. No. 1,107,767; Aug. 18; Gaz. vol. 205; p. 858.

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- Dick, Harry E., Washington, D. C. Locking device for bicycles, &c. No. 1,122,082; Dec. 22; Gaz. vol. 209; p. 1228.
- Dick, Harvey B. (See Scott, Robert, assignor.)
- Dick, Jacob, New London, Conn. Window-gate. No. 1,092,247; Apr. 7; Gaz. vol. 201; p. 42.
- Dick, James, Flushing, N. Y. Carpenter's gage. No. 1,114,736; Oct. 27; Gaz. vol. 207; p. 948.
- Dick, Joseph, Canton, Ohio. Fodder-cutter discharge-pipe. No. 1,100,959; June 23; Gaz. vol. 203; p. 1024.
- Dick, Kerr & Company. (See Scoular, James A., assignor.)
- Dickel, James A., and C. H. Baker, Ottumwa, Iowa; said Baker assignor to said Dickel. Harvester attachment. No. 1,121,812; Dec. 22; Gaz. vol. 209; p. 1133.
- Dickens, Daniel S., Monsey, N. Y. Stabilizing device for aeroplanes. No. 1,097,584; May 19; Gaz. vol. 202; p. 904.
- Dickenschied, Friedrich, Berlin, Germany, assignor to General Electric Company. Electric incandescent lamp. No. 1,118,402; Nov. 24; Gaz. vol. 208; p. 1143.
- Dickenson, Benjamin, New York, N. Y. Device for holding hats. No. 1,083,922; Jan. 13; Gaz. vol. 198; p. 247.
- Dickerhoof, William H., Cincinnati, Ohio. Non-refillable bottle. No. 1,119,931; Dec. 8; Gaz. vol. 209; p. 390.
- Dickerman, Fred W., Boston, Mass. Jar-opener. No. 1,110,908; Sept. 15; Gaz. vol. 206; p. 809.
- Dickerson, Arthur, American Fork, assignor to Dickerson Automatic Governor Company, Salt Lake City, Utah. Water-wheel regulator. No. 1,095,174; Apr. 28; Gaz. vol. 201; p. 1178.
- Dickerson, Augustus W., assignor to Detroit Auto Specialty Co., Detroit, Mich. Mud-guard for vehicles. No. 1,094,134; Apr. 21; Gaz. vol. 201; p. 758.
- Dickerson Automatic Governor Company. (See Dickerson, Arthur, assignor.)
- Dickerson, Fred G., Chicago, Ill. Can-filling machine. No. 1,117,346; Nov. 17; Gaz. vol. 208; p. 735.
- Dickerson, Joseph R., San Augustine, Tex. Steam washing-machine. No. 1,089,334; Mar. 3; Gaz. vol. 200; p. 224.
- Dickerson, Simeon K., Cleveland, Ohio. Car-coupling. No. 1,087,222; Feb. 17; Gaz. vol. 199; p. 668.
- Dickey, Aaron F., Somerset, Pa. Lock-nut. No. 1,086,655; Feb. 10; Gaz. vol. 199; p. 421.
- Dickey, Barlow C. (See Ward, Henry J., assignor.)
- Dickey, Elza R., Dugger, Ind. Steam-engine. No. 1,112,987; Oct. 6; Gaz. vol. 207; p. 200.
- Dickins, Robert S., Waycross, Ga. Twine-holder. No. 1,090,033; Mar. 10; Gaz. vol. 200; p. 514.
- Dickinson, Austin R., Syracuse, N. Y. Pool-ball frame. No. 1,115,911; Nov. 3; Gaz. vol. 208; p. 152.
- Dickinson, Clinton W., La Crosse, Wis. Agricultural implement. No. 1,119,780; Dec. 1; Gaz. vol. 209; p. 301.
- Dickinson, Edgar D., Schenectady, N. Y., assignor to General Electric Company. Extracting steam from turbines for industrial purposes. No. 1,085,114; Jan. 27; Gaz. vol. 198; p. 714.
- Dickinson, Edgar D., Schenectady, N. Y., assignor to General Electric Company. Regulating mechanism for steam-turbines. No. 1,114,713; Oct. 20; Gaz. vol. 207; p. 887.
- Dickinson, Frederick S., New York, N. Y. Constructing pneumatic tires. No. 1,115,409; Oct. 27; Gaz. vol. 207; p. 1185.
- Dickinson, Frederick S., New York, N. Y. Pneumatic tire. No. 1,115,514; Nov. 3; Gaz. vol. 208; p. 16.
- Dickinson, Harry S., Rock Island, Ill. Clutch-operating mechanism. No. 1,118,536; Nov. 24; Gaz. vol. 208; p. 1192.
- Dickinson, Harry S., assignor to Moline Plow Company, Moline, Ill. Double-cut harrow. No. 1,115,410; Oct. 27; Gaz. vol. 207; p. 1186.
- Dickinson, John E. T., Beatrice, Nebr. Draft appliance. No. 1,110,381; Sept. 15; Gaz. vol. 206; p. 622.
- Dickinson, Joseph H. (See Evers and Dickinson.)
- Dickinson, Joseph W., Cranford, N. J., assignor to The Schubert Piano Company, New York, N. Y. Pneumatic sheet-controlling mechanism. No. 1,098,890; June 2; Gaz. vol. 203; p. 181.
- Dickinson, Joseph W., Cranford, N. J., assignor to The Schubert Piano Company, New York, N. Y. Sheet-guiding mechanism. No. 1,098,891; June 2; Gaz. vol. 203; p. 182.
- Dickinson, Joseph W., Cranford, N. J., assignor to The Schubert Piano Company, New York, N. Y. Tracking or sheet-guiding device. No. 1,098,892; June 2; Gaz. vol. 203; p. 182.
- Dickinson, Joseph W., Cranford, N. J., assignor to Schubert Piano Company, New York, N. Y. Valve cup and guide. No. 1,111,368; Sept. 22; Gaz. vol. 206; p. 1009.
- Dickinson, Robert, Victoria, British Columbia, Canada. Indicator for automobiles. No. 1,104,171; July 21; Gaz. vol. 204; p. 765.
- Dickson, Archibald A. (See Brake, Archibald, assignor.)
- Dickson, David D., Kansas City, Mo. Barber's chair. No. 1,119,408; Dec. 1; Gaz. vol. 209; p. 176.
- Dickson, George S. R., New York, N. Y. Steam-packing. No. 1,103,744; July 14; Gaz. vol. 204; p. 577.
- Dickson, John A. (See Boothe, William W., assignor.)
- Dickson, Sylva L., Short Creek, W. Va. Relay sounder attachment. No. 1,105,761; Aug. 4; Gaz. vol. 205; p. 62.
- Didierjean, Nicolas A., St. Quentin, France. Fastening for boots, leggings, and gloves. No. 1,084,408; Jan. 13; Gaz. vol. 198; p. 410.
- Diebold Safe & Lock Company, The. (See Klohs, Bartholomew F., assignor.)
- Dieckman, Charles A., Warrenton, Mo. Anvil-block. No. 1,093,320; Apr. 14; Gaz. vol. 201; p. 447.
- Dieckmann, Carl F., Bronxville, N. Y., assignor to International Machine Corporation, Richmond, Va. Shoe-polishing machine. No. 1,086,032; Feb. 3; Gaz. vol. 199; p. 163.
- Dieckmann, Gustav, San Francisco, Cal. Folding box. No. 1,119,071; Dec. 1; Gaz. vol. 209; p. 61.
- Diefenbach, Edward, Huntington, W. Va. Detachable link connection for valves. No. 1,119,409; Dec. 1; Gaz. vol. 209; p. 176.
- Diefenbach, William C., Shelton, assignor to Connecticut Hook and Eye Company, Waterbury, Conn. Machine for sewing hooks and eyes and loops on cards. No. 1,121,901; Dec. 22; Gaz. vol. 209; p. 1166.
- Diefenbach, William C., Shelton, assignor to Connecticut Hook and Eye Company, Waterbury, Conn. Machine for sewing loops onto cards. No. 1,121,902; Dec. 22; Gaz. vol. 209; p. 1166.
- Diefendorf, Edward G., Erie, Pa. Forming seamless expansion-shields for lag-bolts from sheet metal. No. 1,114,971; Oct. 27; Gaz. vol. 207; p. 1032.
- Dieges, Charles J., assignor to Dieges & Clust, New York, N. Y. Card-case. No. 1,097,851; May 26; Gaz. vol. 202; p. 1043.
- Dieges & Clust. (See Dieges, Charles J., assignor.)
- Diehl, Charles E., Des Moines, Iowa. Means for moistening the air used in explosion-engines. No. 1,123,114; Dec. 29; Gaz. vol. 209; p. 1625.
- Diehl, Emory L. (See Reese and Diehl.)
- Diehl, Frederick. (See Zabriskie and Diehl.)
- Diehl, Frederick, Elizabeth, N. J., assignor to Diehl Manufacturing Company. Ventilating-fan. No. 1,099,693; June 9; Gaz. vol. 203; p. 499.
- Diehl, Karl, Rochester, N. Y. Portable sawing-machine. No. 1,111,441; Sept. 22; Gaz. vol. 206; p. 1033.
- Diehl Manufacturing Company. (See Diehl, Frederick, assignor.)
- Diehl Manufacturing Company. (See Zabriskie, Henry L., assignor.)
- Diehl Manufacturing Company. (See Zabriskie and Diehl, assignors.)
- Diehl, Philip, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Belt for sprocket-gearing. No. 1,121,987; Dec. 22; Gaz. vol. 209; p. 1196.
- Diehl, Philip, and M. Hemleb, Elizabeth, N. J., assignors to The Singer Manufacturing Company. Sewing-machine pull-off. No. 1,105,968; Aug. 4; Gaz. vol. 205; p. 134.
- Diehl, Philip, and H. Eichhorn, Elizabeth, N. J., assignors to The Singer Manufacturing Company. Feed-regulator for sewing-machines. No. 1,118,271; Nov. 24; Gaz. vol. 208; p. 1096.
- Diel, Daniel J., Jersey City, N. J. Hole-closure. No. 1,089,335; Mar. 3; Gaz. vol. 200; p. 224.
- Diemer, Anton, assignor to Firm of R. Bosch, Stuttgart, Germany. Apparatus for automatically adjusting the sparking period of ignition systems. No. 1,105,628; Aug. 4; Gaz. vol. 205; p. 14.
- Diemer, William, assignor to Gendron Wheel Company, Toledo, Ohio. Invalid's wheel-chair. No. 1,087,928; Feb. 24; Gaz. vol. 199; p. 958.
- Diemer, William, assignor to Gendron Wheel Company, Toledo, Ohio. Perambulator. No. 1,119,140; Dec. 1; Gaz. vol. 209; p. 84.
- Diemunsch, Paul J., T. H. Dobbins, New York, N. Y., and E. Dalgleish, Cleveland, Ohio; said Dalgleish assignor to said Diemunsch and Dobbins. Core drilling and holsting machine. No. 1,117,806; Nov. 17; Gaz. vol. 208; p. 898.
- Diener, Magdalena, and C. F. Urban, Milwaukee, Wis. Monorunner coasting-sleigh. No. 1,117,807; Nov. 17; Gaz. vol. 208; p. 898.
- Dienstbach, Carl, assignor of one-third to W. L. Fairchild and one-third to W. L. Fairchild, trustee, New York, N. Y. Flying-machine. No. 1,104,039; July 21; Gaz. vol. 204; p. 718.
- Diepenbrock, John H., *et al.* (See McClelland, James, assignor.)
- Diers, George H., assignor of one-half to F. B. Ruszin, Chicago, Ill. Folding crate. No. 1,116,250; Nov. 3; Gaz. vol. 208; p. 267.
- Diescher, Alfred J. (See Diescher, Samuel E. and A. J.)
- Diescher, Samuel E. and A. J., assignors to Hope Engineering and Supply Company, Pittsburgh, Pa. Pipe-line system. No. 1,119,410; Dec. 1; Gaz. vol. 209; p. 176.
- Dieseth, Sigurd, assignor of one-half to J. Gerig, Carteret, N. J. Dresser for boiler-cap seats. No. 1,085,025; Jan. 20; Gaz. vol. 198; p. 647.
- Dieter-Gesellschaft G. m. b. H. (See Denker, August, assignor.)
- Dieter, Rudolf. (See Denker, August, assignor.)

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- Dieterich, Ludwig M., Mount Vernon, N. Y. Power-transmission apparatus. No. 1,093,922; Apr. 21; Gaz. vol. 201; p. 688.
- Dieterich, Karl G., New York, N. Y. Locking safety-pin. No. 1,114,737; Oct. 27; Gaz. vol. 207; p. 948.
- Dieterich, Karl G., New York, N. Y. Locking safety-pin. No. 1,119,497; Dec. 1; Gaz. vol. 209; p. 206.
- Dietler, Friedrich E., assignor to Vereinigte Kunstseidefabriken A. G., Kelsterbach-on-the-Main, Germany. Manufacturing artificial lustrous threads, &c. No. 1,121,903; Dec. 22; Gaz. vol. 209; p. 1167.
- Dietly, Philip W. (See Alexander, George, assignor.)
- Dietrich, Richard R., St. Louis, Mo. Seam-forming machine for sheet-metal ware. No. 1,113,205; Oct. 13; Gaz. vol. 207; p. 318.
- Dietrich, William, Chicago, Ill. Casting-machine. No. 1,104,728; July 21; Gaz. vol. 204; p. 957.
- Dietrick, Adolph F., Lincoln, Ill. Poultry-brooder. No. 1,099,788; June 9; Gaz. vol. 203; p. 529.
- Dietz, Frederick, assignor to R. E. Dietz Company, New York, N. Y. Lantern. No. 1,086,904; Feb. 10; Gaz. vol. 199; p. 507.
- Dietz, Frederick, assignor to R. E. Dietz Company, New York, N. Y. Lantern. No. 1,089,912; Mar. 10; Gaz. vol. 200; p. 473.
- Dietz, John H., Kansas City, Mo. Forced-draft hollow grate-bar. No. 1,100,125; June 16; Gaz. vol. 203; p. 683.
- Dietz, John H., Cleveland, Ohio. Grate-bar. No. 1,111,059; Sept. 22; Gaz. vol. 206; p. 903.
- Dietz, Paul, Brooklyn, assignor to New Ideas Manufacturing Company, New York, N. Y. Camera. No. 1,091,814; Mar. 31; Gaz. vol. 200; p. 1242.
- Dietz, Paul, Brooklyn, assignor to New Ideas Manufacturing Company Inc., New York, N. Y. Photographic apparatus for films. No. 1,110,116; Sept. 8; Gaz. vol. 206; p. 489.
- Diffuse-Zone Disinfecting Company. (See Stratford and Ackley, assignors.)
- Diggins, Robert E., Bakersfield, Cal. Lubricator. No. 1,120,699; Dec. 15; Gaz. vol. 209; p. 709.
- Digman, Francis M. and H. E., Witt, Ill. Car-coupling. No. 1,116,251; Nov. 3; Gaz. vol. 208; p. 267.
- Digman, Harry E. (See Digman, Francis M. and H. E.)
- Dignan, Ruth, assignor to Waterloo Skirt & Garment Company, Waterloo, Iowa. Placket-fastener. No. 1,106,370; Aug. 11; Gaz. vol. 205; p. 315.
- Dike, Roy N., St. Joseph, Mo. Spring-doubletree. No. 1,088,014; Feb. 24; Gaz. vol. 199; p. 991.
- Dikeman, Harvey, Danbury, Conn. Grate-operating apparatus. No. 1,112,527; Oct. 6; Gaz. vol. 207; p. 40.
- Dikeman, Myron J., Detroit, Mich. Surveying instrument. No. 1,109,667; Sept. 8; Gaz. vol. 206; p. 326.
- Dildine, James C., Cameron, Mo. Bridge-floor. No. 1,104,879; July 28; Gaz. vol. 204; p. 1059.
- Dilg, Charles H. J. (See Dilg, Christian F., assignor.)
- Dilg, Charles H. J., New York, N. Y. Disintegrating-machine. No. 1,085,975; Feb. 3; Gaz. vol. 199; p. 141.
- Dilg, Charles H. J., New York, N. Y. Rotary fan. No. 1,121,335; Dec. 15; Gaz. vol. 209; p. 931.
- Dilg, Charles H. J., New York, N. Y., assignor to Eck Dynamo and Motor Company. Fan. No. 1,094,540; Apr. 28; Gaz. vol. 201; p. 954.
- Dilg, Charles H. J., New York, N. Y., assignor to Eck Dynamo and Motor Company. Fan. No. 1,094,541; Apr. 28; Gaz. vol. 201; p. 954.
- Dilg, Christian F., New York, N. Y., assignor to C. H. J. Dilg. Ball-bearing. No. 1,117,808; Nov. 17; Gaz. vol. 208; p. 898.
- Dilg, Christian F., New York, N. Y., assignor to C. H. J. Dilg. Ball-bearing. No. 1,117,943; Nov. 17; Gaz. vol. 208; p. 943.
- Dill, Frederick W., Lincoln, Kans. Corn-harvester. No. 1,119,072; Dec. 1; Gaz. vol. 209; p. 61.
- Dill, Homer R., Iowa City, Iowa. Device for holding labels, drawings, and pictures. No. 1,097,009; May 19; Gaz. vol. 202; p. 704.
- Dillard, Thaddeus B., Sylva, N. C. Lamp-chimney. No. 1,112,272; Sept. 29; Gaz. vol. 206; p. 1359.
- Dillehay, Earnest E., Lima, Ohio. Automatic dumping-car. No. 1,119,688; Dec. 1; Gaz. vol. 209; p. 271.
- Diller Manufacturing Company, The. (See Kibele, Hector, assignor.)
- Dillig, George F., Baltimore, Md. Explosive-engine. No. 1,092,205; Apr. 7; Gaz. vol. 201; p. 28.
- Dillin, Dudley F., assignor, by mesne assignments, to The McCaskey Register Company, (Incorporated in 1914,) Alliance, Ohio. Manifold-book. No. 1,122,870; Dec. 29; Gaz. vol. 209; p. 1540.
- Dillon, George H., Santa Ana, Cal. Automatic-lock railway-spike. No. 1,121,076; Dec. 15; Gaz. vol. 209; p. 842.
- Dillon, James F., Dante, assignor of three-fourths to C. F. Kilgore and one-fourth to A. Blevins, Coeburn, Va. Mine-door. No. 1,107,045; Aug. 11; Gaz. vol. 205; p. 551.
- Dillon, Job A., Tecumseh, Nebr. Clamp. No. 1,109,741; Sept. 8; Gaz. vol. 206; p. 354.
- Dillon, W. M. (See Weber, Raymond E., assignor.)
- Dillon, William, Melrose, Iowa. Mail-crane. No. 1,119,250; Dec. 1; Gaz. vol. 209; p. 121.
- Dillon, William L., Council Bluffs, Iowa. Fence-clamp. No. 1,107,159; Aug. 11; Gaz. vol. 205; p. 594.
- Dillow, Samuel S., Perry township, Marion county, Ind. Check-row plant-setter. No. 1,083,923; Jan. 13; Gaz. vol. 198; p. 247.
- Dilorenzo, Michael, Irondale, Wash. Farm-gate. No. 1,101,167; June 23; Gaz. vol. 203; p. 1095.
- Dilworth, Lawrence, assignor to Dilworth, Porter & Company, Limited, Pittsburgh, Pa. Tie-plate. No. 1,093,256; Apr. 14; Gaz. vol. 201; p. 424.
- Dilworth, Porter & Company. (See Dilworth, Lawrence, assignor.)
- Dilyock, Harry, assignor of one-half to J. Smith, Boston, Mass. Locked cop-tube holder. No. 1,104,172; July 21; Gaz. vol. 204; p. 765.
- Dimm, Chandos R., Muncy, Pa. Bearing for grinding-mills. No. 1,093,688; Apr. 21; Gaz. vol. 201; p. 611.
- Dimmerling, Elizabeth M. M., Braddock, Pa. Combined chair and cradle. No. 1,107,918; Aug. 18; Gaz. vol. 205; p. 907.
- Dimock, Ira, West Hartford, Conn. Screw and bolt lock. No. 1,090,908; Mar. 24; Gaz. vol. 200; p. 887.
- Dimock, Robert H., St. Louis, Mo. Pipe. No. 1,098,485; June 2; Gaz. vol. 203; p. 44.
- Dimond, Samuel S. (See Somers and Dimond.)
- Dineen, John, Chicago, Ill. Cigar-box-lid and label holder. No. 1,096,290; May 12; Gaz. vol. 202; p. 417.
- Dines, William L., Jr., assignor to William L. Dines, Jr., Co., Worcester, Mass. Hulling-machine. No. 1,106,085; Aug. 4; Gaz. vol. 205; p. 174.
- Dinesen, Laurits, Minneapolis, Minn. Pulsating device for milking apparatus. No. 1,117,169; Nov. 17; Gaz. vol. 208; p. 671.
- Dinger, Charles C. (See Dinger and Shaffer.)
- Dinger, Christian C., and G. B. Goucher, Eminence, Mo. Spike-lock. No. 1,095,626; May 5; Gaz. vol. 202; p. 154.
- Dinger, Ernst, Solingen, and H. Timmer, Haan, Germany. Machine for sharpening knives. No. 1,101,261; June 23; Gaz. vol. 203; p. 1128.
- Dinger, Jay G. and C. C., and G. C. Shaffer, Chicago, Ill. Railway-tie. No. 1,083,667; Jan. 6; Gaz. vol. 198; p. 135.
- Dinn, Henry G., Philadelphia, Pa. Protective garment. No. 1,095,089; Apr. 28; Gaz. vol. 201; p. 1147.
- Dinn, William F., New York, N. Y. Printer's tie-up. No. 1,101,528; June 30; Gaz. vol. 203; p. 1271.
- Dinovsky, Simon. (See Edgerton and Dinovsky.)
- Dinse, Ralph, Tipton, Iowa. Cultivator. No. 1,086,905; Feb. 10; Gaz. vol. 199; p. 508.
- Dinslage, Franz. (See Becker and Dinslage.)
- Dinsmoor, George W., Lawrence, Mass. Applying covering to boards and other articles. No. 1,103,402; July 14; Gaz. vol. 204; p. 455.
- Dinsmoor, John L., New York, N. Y. Electrically-operated vibrator. No. 1,098,893; June 2; Gaz. vol. 203; p. 182.
- Dinsmoor, John L., New York, N. Y. Seal. No. 1,122,872; Dec. 29; Gaz. vol. 209; p. 1541.
- Dinsmoor, John L., assignor of one-half to H. M. Hirschberg, New York, N. Y. Seal. No. 1,122,871; Dec. 29; Gaz. vol. 209; p. 1541.
- Dinsmoor, John L., assignor of one-half to H. M. Hirschberg, New York, N. Y. Seal. No. 1,122,873; Dec. 29; Gaz. vol. 209; p. 1541.
- Dinuccio, Camillo, Providence, R. I. Bow-holding pin. No. 1,085,552; Jan. 27; Gaz. vol. 198; p. 862.
- Dion, Jacob. (See Pistor, Dion, and Reitz.)
- Diossy, Alexander, Brooklyn, N. Y. Toy device. No. 1,094,886; Apr. 28; Gaz. vol. 201; p. 1077.
- Diplock, Bramah J., Fulham, England. Vehicle. No. 1,096,893; May 19; Gaz. vol. 202; p. 664.
- Dippel, Harry. (See McAllister and Dippel.)
- Dipple, Charles, Jr., Brooklyn, N. Y. Window-sash device. No. 1,112,688; Oct. 6; Gaz. vol. 207; p. 100.
- Dippon, Fritz. (See Landsmann and Dippon.)
- Dirckx, Cornelius J. (See Cather, Kingman N., assignor.)
- Disbrow, Charles A., and C. S. Boll, Harrisburg, Pa. Card-index. No. 1,097,172; May 19; Gaz. vol. 202; p. 764.
- Disbrow, Levi A., Owatonna, Minn. Churn and butter-worker. No. 1,114,738; Oct. 27; Gaz. vol. 207; p. 949.
- Disher, Harry P., Portland, Oreg. Combination can-cutter and faucet. No. 1,088,332; Feb. 24; Gaz. vol. 199; p. 1099.
- Disinfectant and Utilities Corporation. (See Danielsen, Haase, and Shannon, assignors.)
- Disinfectant and Utilities Corporation. (See Shannon, John H. B., assignor.)
- Dismuke, William H., et al. (See Morton, Frank M., assignor.)
- Diss, Albert B., Newark, N. J., assignor to Universal Caster & Foundry Company, New York, N. Y. Caster structure for tubular legs. No. 1,089,627; Mar. 10; Gaz. vol. 200; p. 375.
- Diss, Albert B., Newark, N. J., assignor to Universal Caster & Foundry Company, New York, N. Y. Caster. No. 1,089,628; Mar. 10; Gaz. vol. 200; p. 375.

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- Disston, Henry, assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Butcher's saw. No. 1,120,457; Dec. 8; Gaz. vol. 209; p. 577.
- Distler, Augustus, North Yakima, Wash. Fruit-drier. No. 1,118,272; Nov. 24; Gaz. vol. 208; p. 1096.
- Ditcham, William T., Twickenham, England. Transmitter for wireless telephony. No. 1,088,686; Mar. 3; Gaz. vol. 200; p. 6.
- Ditchfield, Frank. (See Atwood and Ditchfield.)
- Dithmer, Reimer N., Chicago, Ill. Rail-joint. No. 1,085,672; Feb. 3; Gaz. vol. 199; p. 33.
- Dithmer, Reimer N., Chicago, Ill. Railway construction. No. 1,096,608; May 12; Gaz. vol. 202; p. 523.
- Dithmer, Reimer N., Chicago, Ill. Railway construction. No. 1,119,580; Dec. 1; Gaz. vol. 209; p. 235.
- Ditmar, Rudolf, Gratz, Austria-Hungary, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Colored caoutchouc substances and making same. No. 1,113,759; Oct. 13; Gaz. vol. 207; p. 513.
- Ditsworth, Alfred R., Lonerock, Iowa. Root digging and gathering machine. No. 1,105,762; Aug. 4; Gaz. vol. 205; p. 62.
- Dittenhoefer, Jerome J., Chicago, Ill. Pneumatic vehicle-tire. No. 1,089,913; Mar. 10; Gaz. vol. 200; p. 473.
- Dittgen, John J., Madisonville, assignor to The Dittgen Paper Goods Co., Cincinnati, Ohio. Cigar-pockets. No. 1,089,629; Mar. 10; Gaz. vol. 200; p. 375.
- Dittgen Paper Goods Co., The. (See Dittgen, John J., assignor.)
- Dittman, Samuel E., New York, N. Y. Tympan for printing-presses. No. 1,111,369; Sept. 22; Gaz. vol. 206; p. 1009.
- Dittman, Samuel E., New York, N. Y. Material for building up printing-plates. No. 1,119,498; Dec. 1; Gaz. vol. 209; p. 207.
- Dittman, Samuel E., New York, N. Y. Guide for platen-presses. No. 1,116,682; Nov. 10; Gaz. vol. 208; p. 463.
- Dittmann, Hermann. (See Kielblock and Dittmann.)
- Dittmer, Richard, Charlottenburg, Germany. Neck-pad. No. 1,083,668; Jan. 6; Gaz. vol. 198; p. 135.
- Ditto, General M., Joliet, Ill. Whip-manipulator. No. 1,122,263; Dec. 29; Gaz. vol. 209; p. 1330.
- Diven, George M., *et al.* (See Tree, Eber B., assignor.)
- Diven, John L., Lewisville, Pa. Pen-cleaner for ink-wells. No. 1,085,249; Jan. 27; Gaz. vol. 198; p. 761.
- Divine, Bradford H., Utica, N. Y. Constructing tires. No. 1,084,409; Jan. 13; Gaz. vol. 198; p. 410.
- Dix, Don R., Salt Lake City, Utah. Communion-service filler. No. 1,092,565; Apr. 7; Gaz. vol. 201; p. 152.
- Dix, Fred, Hardtner, Kans. Flue-cutter. No. 1,089,463; Mar. 10; Gaz. vol. 200; p. 317.
- Dix, Samuel C. H., Cheltenham, England. Collapsible grate. No. 1,102,649; July 7; Gaz. vol. 204; p. 151.
- Dixfield Toothpick Company. (See Ricker, Charles P., assignor.)
- Dixie Cotton Felt Mattress Company. (See Weinberg, Ike J., assignor.)
- Dixie Cotton Picker Company. (See Appleby, John F., assignor.)
- Dixie Pattern & Machine Works. (See Plante, Gordon V., assignor.)
- Dixon, Allen, Nashville, Tenn. Fireplace-fender. No. 1,102,328; July 7; Gaz. vol. 204; p. 38.
- Dixon, Amos F. (See Adams and Dixon.)
- Dixon, Amos F., Newark, N. J., assignor to Western Electric Company, New York, N. Y. Electromagnet. No. 1,097,400; May 19; Gaz. vol. 202; p. 843.
- Dixon, Amos F., Newark, N. J., assignor to Western Electric Company, New York, N. Y. Selective switching apparatus. No. 1,097,540; May 19; Gaz. vol. 202; p. 889.
- Dixon, Amos F., Newark, N. J., assignor to Western Electric Company, Chicago, Ill. Combined jack and signal. No. 1,100,358; June 16; Gaz. vol. 203; p. 764.
- Dixon, Amos F., Newark, N. J., assignor to Western Electric Company, New York, N. Y. Printing-telegraph receiver. No. 1,103,133; July 14; Gaz. vol. 204; p. 365.
- Dixon, Amos F., Newark, N. J., assignor to Western Electric Company, New York, N. Y. Four-party key. No. 1,105,629; Aug. 4; Gaz. vol. 205; p. 15.
- Dixon, Ezra, Bristol, R. I. Top-roll saddle. No. 1,087,734; Feb. 17; Gaz. vol. 199; p. 848.
- Dixon, Henry, Toronto, assignor to F. D. Curtis, Hamilton, Ontario, Canada. Electric thermostatic fire-alarm contacts. No. 1,117,347; Nov. 17; Gaz. vol. 208; p. 736.
- Dixon, James W., Chicago, Ill., assignor to American Can Company, New York, N. Y. Apparatus for testing cans. No. 1,118,478; Nov. 24; Gaz. vol. 208; p. 1172.
- Dixon, John. (See Frese, Bernard, assignor.)
- Dixon, Robert M., East Orange, N. J., assignor, by mesne assignments, to Standard Heat and Ventilation Company, Inc., New York, N. Y. Heating appliance. No. 1,115,411; Oct. 27; Gaz. vol. 207; p. 1186.
- Dixon, Samuel H., Converse, S. C. Cone-gage. No. 1,122,083; Dec. 22; Gaz. vol. 209; p. 1229.
- Dixon, Theodore, and P. Grigsby, West Baden, Ind. Internal-combustion engine. No. 1,103,571; July 14; Gaz. vol. 204; p. 515.
- Dixon, Walter L., and F. E. Shanley, Pittsburgh, Pa. Protector for taxicab-meters. No. 1,112,273; Sept. 29; Gaz. vol. 206; p. 1359.
- Doan, Arthur, Oakland, Cal. Air-brake. No. 1,097,305; May 19; Gaz. vol. 202; p. 811.
- Doan, Robert F., *et al.* (See Graham, Perry, assignor.)
- Doane, Harry E., assignor to The J. D. Randall Company, Cincinnati, Ohio. Collar-stuffing machine. No. 1,084,075; Jan. 13; Gaz. vol. 198; p. 300.
- Doane, Joseph W. (See Woodward and Doane.)
- Doane, Frank H. (See Clark, William T., assignor.)
- Dobbins, Elmer E., and W. P. Bartholow, assignors to Dobbins Manufacturing Company, Minneapolis, Minn. Mop-wringer. No. 1,089,914; Mar. 10; Gaz. vol. 200; p. 474.
- Dobbins Manufacturing Company. (See Dobbins and Bartholow, assignors.)
- Dobbins, Thomas H. (See Diemunsch, Dobbins, and Dalglish.)
- Dobbins, Timothy C., Los Angeles, Cal., assignor to Weed Chain Tire Grip Company, New York, N. Y. Repair device for pneumatic tires, &c. No. 1,102,017; June 30; Gaz. vol. 203; p. 1443.
- Dobbs, George C., and M. McGregor, New York, N. Y. Apparatus for successive treatment of motion-picture films. No. 1,109,208; Sept. 1; Gaz. vol. 206; p. 125.
- Dobbs, James A., and R. Krebs, Jr., Olive, Cal. Metallic railway-tie and rail-fastener. No. 1,106,636; Aug. 11; Gaz. vol. 205; p. 412.
- Dobbs, James K., Atlanta, Ga. Internal-combustion engine. No. 1,115,515; Nov. 3; Gaz. vol. 208; p. 16.
- Dobesch, Hans. (See Bähr and Dobesch.)
- Dobinch, Mike, Nanty Glo, Pa. Life-preserver. No. 1,114,739; Oct. 27; Gaz. vol. 207; p. 949.
- Dobkevitch, Gaëtan. (See Blondel and Dobkevitch.)
- Doble, Abner, Waltham, Mass. Thermostat. No. 1,090,029; June 2; Gaz. vol. 203; p. 226.
- Doble, Abner, Waltham, Mass. Oil-separator. No. 1,107,271; Aug. 18; Gaz. vol. 205; p. 680.
- Doble, William A., assignor to Pelton Water Wheel Company, San Francisco, Cal. Hydraulic baffle, absorber, or deflector. No. 1,088,215; Feb. 24; Gaz. vol. 199; p. 1059.
- Doble, William A., assignor to The Pelton Water Wheel Company, San Francisco, Cal. Governing mechanism. No. 1,109,209; Sept. 1; Gaz. vol. 206; p. 125.
- Doble, William A., assignor to The Pelton Water Wheel Company, San Francisco, Cal. Packing-gland for hydraulic motors. No. 1,109,826; Sept. 8; Gaz. vol. 206; p. 382.
- Doble, William A., assignor to The Pelton Water Wheel Company, San Francisco, Cal. Adjustable wear-ring. No. 1,114,238; Oct. 20; Gaz. vol. 207; p. 722.
- Doble, William H., assignor of one-fourth to Pneumatic Scale Corporation, Limited, Quincy, Mass. Panel for boxes. No. 1,093,548; Apr. 14; Gaz. vol. 201; p. 517.
- Doble, William H., Quincy, and S. B. Field, Holbrook, Mass., assignors of one-fourth to Pneumatic Scale Corporation, Limited, and three-fourths to said Doble. Folding box or shipping-case. No. 1,099,847; June 9; Gaz. vol. 203; p. 548.
- Dobler, Paul, assignor to L. Böhm, Munich, Germany. Device for automatically holding doors, windows, &c. No. 1,098,894; June 2; Gaz. vol. 203; p. 183.
- Doblin, Charles. (See Everett, George W., assignor.)
- Dobrowsky, Michael D., Wilmersdorf, Germany, assignor to General Electric Company. Instrument-transformer. No. 1,098,664; June 2; Gaz. vol. 203; p. 105.
- Dobson, Arthur, Halifax, assignor of one-half to Drakes Limited, Ovenden, Halifax, England. Retort-discharging apparatus. No. 1,121,551; Dec. 15; Gaz. vol. 209; p. 1006.
- Dobson and Barlow Limited. (See Birch and Hamer, assignors.)
- Dobson, Frederick W., Tamworth, England. Bleaching cellulose wood-pulp. No. 1,104,109; July 21; Gaz. vol. 204; p. 743.
- Dobson, James, Philadelphia, Pa. Producing upon the surface of pile fabrics an imitation of the irregular curly appearance of Astrakhan fur and the like. No. 1,102,483; July 7; Gaz. vol. 204; p. 91.
- Dobson, James, Philadelphia, Pa. Mechanism for producing upon the surface of pile fabrics an imitation of the irregular curly appearance of Astrakhan fur and the like. No. 1,102,484; July 7; Gaz. vol. 204; p. 92.
- Dobson, John E., New York, N. Y., and G. Merkel, West Hoboken, N. J., assignors to E. W. Bliss Company, Brooklyn, N. Y. Producing expanded metal. No. 1,119,932; Dec. 8; Gaz. vol. 209; p. 390.
- Dobson, John E., New York, N. Y., and G. Merkel, West Hoboken, N. J., assignors to E. W. Bliss Company, Brooklyn, N. Y. Machine for producing expanded metal. No. 1,119,933; Dec. 8; Gaz. vol. 209; p. 391.
- Dobson, William, Roxbury, Mass., assignor to United Injector Company, New York, N. Y. Jet apparatus. No. 1,090,975; Mar. 24; Gaz. vol. 200; p. 911.

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- Dobyne, Stephen A. (See Dobyne, George A. and S. A.)
- Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. String nailing-machine. No. 1,091,299; Mar. 24; Gaz. vol. 200; p. 1022.
- Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Throat for fastener-inserting machines. No. 1,091,300; Mar. 24; Gaz. vol. 200; p. 1022.
- Dock, Herman, Westerly, R. I. Rotary engine. No. 1,087,735; Feb. 17; Gaz. vol. 199; p. 849.
- Dockendorff, Clarence E., Estacada, Oreg. Gin-pole cap. No. 1,106,498; Aug. 11; Gaz. vol. 205; p. 362.
- Dodd, Joseph W., Delphos, N. Mex. Sanitary sweeping device. No. 1,120,038; Dec. 8; Gaz. vol. 209; p. 428.
- Dodd, Willis G., San Francisco, Cal. Steam-turbine. No. 1,086,703; Feb. 10; Gaz. vol. 199; p. 437.
- Dodd, Willis G., San Francisco, Cal. Steam-trap. No. 1,099,969; June 16; Gaz. vol. 203; p. 628.
- Dodd, Willis G., San Francisco, Cal. Steam-turbine. No. 1,099,970; June 16; Gaz. vol. 203; p. 629.
- Doddridge, James M., Milton, and J. C. Beck, Indianapolis, Ind. Detachable casket-handle. No. 1,106,031; Aug. 4; Gaz. vol. 205; p. 156.
- Dodds, Ethan I., Central Valley, N. Y. Apparatus for testing castings. No. 1,096,158; May 12; Gaz. vol. 202; p. 371.
- Dodds, Ethan I., Central Valley, N. Y. Apparatus for testing castings. No. 1,096,159; May 12; Gaz. vol. 202; p. 371.
- Dodds, Ethan I., Central Valley, N. Y. Method of and apparatus for testing castings. No. 1,096,229; May 12; Gaz. vol. 202; p. 395.
- Dodds, Ethan I., Central Valley, N. Y. Steel truck for railway-cars. No. 1,121,552; Dec. 15; Gaz. vol. 209; p. 1006.
- Dodds, Ethan I., Central Valley, N. Y., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt. No. 1,086,144; Feb. 3; Gaz. vol. 199; p. 201.
- Dodds, Ethan I., Central Valley, N. Y., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt. No. 1,086,145; Feb. 3; Gaz. vol. 199; p. 202.
- Dodds, Ethan I., Central Valley, N. Y., assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Electric fan for railway-cars. No. 1,088,687; Mar. 3; Gaz. vol. 200; p. 6.
- Dodds, Ethan I., Central Valley, N. Y., assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Power-operated hand planer or smoother. No. 1,090,602; Mar. 17; Gaz. vol. 200; p. 755.
- Dodds, Ethan I., Central Valley, N. Y., assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Portable pneumatic tool. No. 1,090,603; Mar. 17; Gaz. vol. 200; p. 756.
- Dodds, Ethan I., Central Valley, N. Y., assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Power-driven handsaw. No. 1,102,018; June 30; Gaz. vol. 203; p. 1443.
- Dodds, Ethan I., Central Valley, N. Y., assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Stay-bolt. No. 1,121,173; Dec. 15; Gaz. vol. 209; p. 877.
- Dodds, Frank E., Bow, Wash. Portable stove. No. 1,118,537; Nov. 24; Gaz. vol. 208; p. 1192.
- Dodds, George L., Winnipeg, Manitoba, Canada. Farm implement. No. 1,111,011; Sept. 22; Gaz. vol. 206; p. 886.
- Dodds, Harry G., Mobile, Ala. Car-coupling. No. 1,090,839; Mar. 24; Gaz. vol. 200; p. 864.
- Dodds, Joseph, Rutherglen, Glasgow, Scotland. Apparatus for washing minerals. No. 1,091,047; Mar. 24; Gaz. vol. 200; p. 936.
- Dodds, Joseph, Fauldhouse, and W. Brown, Cambusland, Scotland. Coal-conveyer. No. 1,104,481; July 21; Gaz. vol. 204; p. 871.
- Dodge, Adelbert L. A., Providence, R. I. Package. No. 1,094,542; Apr. 28; Gaz. vol. 201; p. 955.
- Dodge, Alfred C., Yonkers, N. Y. Weighing-machine. No. 1,105,891; Aug. 4; Gaz. vol. 205; p. 106.
- Dodge, Asa W., Two Harbors, Minn. Coal-recording device. No. 1,121,234; Dec. 15; Gaz. vol. 209; p. 896.
- Dodge, Austin R., Schenectady, N. Y., assignor to General Electric Company. Meter for measuring the flow of an elastic fluid. No. 1,087,929; Feb. 24; Gaz. vol. 199; p. 958.
- Dodge, Austin R., Schenectady, N. Y., assignor to General Electric Company. Meter for elastic fluids. No. 1,087,930; Feb. 24; Gaz. vol. 199; p. 958.
- Dodge, Austin R., Schenectady, N. Y., assignor to General Electric Company. Meter for measuring the flow of fluids. No. 1,087,931; Feb. 24; Gaz. vol. 199; p. 959.
- Dodge, Austin R., Schenectady, N. Y., assignor to General Electric Company. Fluid-meter. No. 1,087,932; Feb. 24; Gaz. vol. 199; p. 960.
- Dodge, Austin R., Schenectady, N. Y., assignor to General Electric Company. Flow-meter. No. 1,096,894; May 19; Gaz. vol. 202; p. 665.
- Dodge, Austin R., Schenectady, N. Y., assignor to General Electric Company. Metering low-velocity fluid-flows. No. 1,108,721; Aug. 25; Gaz. vol. 205; p. 1235.
- Dodge, Austin R., Schenectady, N. Y., assignor to General Electric Company. Flow-meter. No. 1,118,403; Nov. 24; Gaz. vol. 208; p. 1143.
- Dodge, Austin R., Schenectady, N. Y., assignor to General Electric Company. Nozzle-plug. No. 1,119,581; Dec. 1; Gaz. vol. 209; p. 236.
- Dodge, Charles C., Worcester, Mass. Machine for twisting crank-shafts. No. 1,105,188; July 28; Gaz. vol. 204; p. 1164.
- Dodge, Claude R., Rockford, Ill. Tag. No. 1,108,835; Aug. 25; Gaz. vol. 205; p. 1274.
- Dodge, Claude R., St. George, Utah. Tag former and affixer. No. 1,108,836; Aug. 25; Gaz. vol. 205; p. 1274.
- Dodge, Claude R., St. George, Utah. Combined tag affixing and marking machine. No. 1,108,837; Aug. 25; Gaz. vol. 205; p. 1275.
- Dodge, Claude R., St. George, Utah. Sad-iron holder. No. 1,110,190; Sept. 8; Gaz. vol. 206; p. 514.
- Dodge, Claude R., Reno, Nev. Syringe. No. 1,110,189; Sept. 8; Gaz. vol. 206; p. 514.
- Dodge, Eben G., Maplewood, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Primary battery. No. 1,090,909; Mar. 24; Gaz. vol. 200; p. 888.
- Dodge, Edward H. (See Ballin and Dodge.)
- Dodge, Harry, Petersburg, Va. Shock-absorber. No. 1,096,609; May 12; Gaz. vol. 202; p. 524.
- Dodge, James M., Philadelphia, Pa. Chain. No. 1,086,146; Feb. 3; Gaz. vol. 199; p. 202.
- Dodge, James M., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Chain-link. No. 1,094,200; Apr. 21; Gaz. vol. 201; p. 780.
- Dodge, James M., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Chain-links. No. 1,119,582; Dec. 1; Gaz. vol. 209; p. 236.
- Dodge, Norman, East Orange, N. J., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,117,348; Nov. 17; Gaz. vol. 208; p. 736.
- Dodge, Ozias, Norwich, Conn. Producing printing-surfaces. No. 1,118,479; Nov. 24; Gaz. vol. 208; p. 1173.
- Dodge, Ozias, Norwich, Conn. Producing mechanical negatives. No. 1,120,913; Dec. 15; Gaz. vol. 209; p. 786.
- Dodge, Philip T., New York, N. Y., assignor to Mergenthaler Linotype Company. Means for the production of printing-slugs. No. 1,084,617; Jan. 20; Gaz. vol. 198; p. 508.
- Dodge, Philip T., Washington, D. C., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,085,893; Feb. 3; Gaz. vol. 199; p. 111.
- Dodge, Philip T., Washington, D. C., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,111,060; Sept. 22; Gaz. vol. 206; p. 904.
- Dodge, Philip T., Washington, D. C., assignor to Mergenthaler Linotype Company. Keyboard mechanism for line-casting and kindred machines. No. 1,120,458; Dec. 8; Gaz. vol. 209; p. 577.
- Dodge, Raymond E., New Haven, Conn. Hose-supporter. No. 1,091,815; Mar. 31; Gaz. vol. 200; p. 1242.
- Dodge, Samuel W., Fitchburg, Mass. Stretcher. No. 1,112,274; Sept. 29; Gaz. vol. 206; p. 1360.
- Dodge, Willard A., Hornell, N. Y. Wheel. No. 1,092,029; Mar. 31; Gaz. vol. 200; p. 1312.
- Dodge, William H., Manhattan, Kans. Street-cleaning machine. No. 1,090,034; Mar. 10; Gaz. vol. 200; p. 514.
- Dodge, William W., Chicago, Ill. Attachment for internal-combustion engines. No. 1,091,488; Mar. 31; Gaz. vol. 200; p. 1128.
- Dodgson, Frank L., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Electric traffic-controlling system. No. 1,083,669; Jan. 6; Gaz. vol. 198; p. 135.
- Dodson, Charles M. (See Hepner, Walter R., assignor.)
- Dodson, James C., Ramah, Colo. Compound tool. No. 1,120,914; Dec. 15; Gaz. vol. 209; p. 786.
- Dodson, Job T., Kirksville, Mo. Automatic whistling and signaling device. No. 1,119,583; Dec. 1; Gaz. vol. 209; p. 236.
- Dodson, Royal E., San Diego, Cal. Pipe-coupling. No. 1,115,912; Nov. 3; Gaz. vol. 208; p. 152.
- Doe, Albert E. (See Lutz and Doe.)
- Doeg, Issachar W., Exeter, N. H. Oiler for shafts. No. 1,093,609; Apr. 21; Gaz. vol. 201; p. 581.
- Doehler Die Casting Company. (See Doehler, Herman H., assignor.)
- Doehler Die Casting Company. (See Kralund, John, assignor.)
- Doehler Die Casting Company. (See Wittlinger, August K., assignor.)
- Doehler, Herman H., assignor to Doehler Die Casting Company, Brooklyn, N. Y. Bearing. No. 1,121,904; Dec. 22; Gaz. vol. 209; p. 1167.
- Doehring, Stephen C., Chicago, Ill. Asbestos-cement mold for steam-pipe fittings. No. 1,116,394; Nov. 10; Gaz. vol. 208; p. 357.
- Doelling, Louis K. (See Schliemann, William, assignor.)

Alphabetical list of patentees—Continued.

- Doelling, Louis K., New Rochelle, N. Y. Refrigerating apparatus. No. 1,106,287; Aug. 4; Gaz. vol. 205; p. 242.
- Doerflinger, Anthony. (See Melling, William M., assignor.)
- Doerflinger, William F., Halesite, N. Y., assignor, by mesne assignments, to Niagara Alkali Company. Apparatus for the manufacture of stannic chlorid. No. 1,087,437; Feb. 17; Gaz. vol. 199; p. 743.
- Doering, Charles, Jr., Chicago, Ill. Ice-cream dispenser. No. 1,091,643; Mar. 31; Gaz. vol. 200; p. 1181.
- Doerner, Wyand F., assignor of one-half to F. J. Glick, Cumberland, Md. Automobile-lamp. No. 1,083,733; Jan. 6; Gaz. vol. 198; p. 159.
- Doerr, Charles H., Omaha, Nebr., assignor to S. H. Campbell, St. Louis, Mo. Portable metallic trestle. No. 1,097,306; May 19; Gaz. vol. 202; p. 811.
- Doerr, Harry E., assignor to Scullin-Gallagher Iron & Steel Company, St. Louis, Mo. Side bearing for railway-cars. No. 1,095,715; May 5; Gaz. vol. 202; p. 185.
- Doerr, Harry E., assignor to Scullin-Gallagher Iron & Steel Company, St. Louis, Mo. Railway-car truck. No. 1,097,968; May 26; Gaz. vol. 202; p. 1087.
- Doerr, Harry E., assignor to Scullin-Gallagher Iron & Steel Company, St. Louis, Mo. Car-truck. No. 1,097,969; May 26; Gaz. vol. 202; p. 1088.
- Doerr, Harry E., assignor to Scullin-Gallagher Iron & Steel Company, St. Louis, Mo. Car-truck side frame. No. 1,097,970; May 26; Gaz. vol. 202; p. 1088.
- Doerr, Harry E., assignor to Scullin-Gallagher Iron & Steel Company, St. Louis, Mo. Railway-car truck. No. 1,101,621; June 30; Gaz. vol. 203; p. 1304.
- Doerr, Harry E., assignor to Scullin-Gallagher Iron & Steel Company, St. Louis, Mo. Equalized car-truck. No. 1,116,034; Nov. 3; Gaz. vol. 208; p. 194.
- Doerr, Harry E., assignor to Scullin-Gallagher Iron & Steel Company, St. Louis, Mo. Railway-car truck. No. 1,117,170; Nov. 17; Gaz. vol. 208; p. 671.
- Doerr, Harry E., assignor to Scullin-Gallagher Iron & Steel Company, St. Louis, Mo. Logging-bunk. No. 1,117,171; Nov. 17; Gaz. vol. 208; p. 671.
- Doersch, George M., assignor of one-fourth to J. C. Lewis, Antigo, Wis. Fuse-support. No. 1,114,594; Oct. 20; Gaz. vol. 207; p. 846.
- Doettloff, Egmont. (See Thomsen and Doettloff.)
- Doggett, Danton, San Francisco, Cal. Container. No. 1,092,902; Apr. 14; Gaz. vol. 201; p. 302.
- Dogny, Henri, V. Henri, and E. Veil-Picard, Paris, France. Manufacture of products from india-rubber. No. 1,088,551; Feb. 24; Gaz. vol. 199; p. 1170.
- Doheny, Edward J., Woonsocket, R. I. Stopper-extractor. No. 1,091,301; Mar. 24; Gaz. vol. 200; p. 1023.
- Doherty, Henry L., New York, N. Y. Sealing device. No. 1,098,486; June 2; Gaz. vol. 203; p. 45.
- Doherty, Henry L., New York, N. Y. Apparatus for treating liquids. No. 1,098,487; June 2; Gaz. vol. 203; p. 45.
- Doherty, Henry L., New York, N. Y. Apparatus for regulating the air-supply for gas-producers. No. 1,101,787; June 30; Gaz. vol. 203; p. 1359.
- Doherty, Henry L., New York, N. Y. Conducting combustion. No. 1,101,788; June 30; Gaz. vol. 203; p. 1360.
- Doherty, Henry L., New York, N. Y. Burning liquid fuels. No. 1,101,789; June 30; Gaz. vol. 203; p. 1361.
- Doherty, Henry L., New York, N. Y. Burning liquid fuels. No. 1,101,790; June 30; Gaz. vol. 203; p. 1361.
- Doherty, Henry L., New York, N. Y. Apparatus for increasing the temperature of combustion in gas-fired furnaces. No. 1,117,172; Nov. 17; Gaz. vol. 208; p. 672.
- Doherty, Roger J., assignor of one-half to H. J. Deggin, Tarentum, Pa. Metallic tie and fastener. No. 1,119,411; Dec. 1; Gaz. vol. 209; p. 176.
- Dohner, Burt E., and A. J. Huff, Dayton, Ohio. Roller-bearing. No. 1,108,722; Aug. 25; Gaz. vol. 205; p. 1236.
- Dohse, Ernest H., Buffalo, N. Y. Lock. No. 1,083,438; Jan. 6; Gaz. vol. 198; p. 60.
- Doidge, John J., assignor to The R. H. Long Machinery Company, South Framingham, Mass. Repair kit. No. 1,118,639; Nov. 24; Gaz. vol. 208; p. 1227.
- Doidge, Raymond G. (See Saxe, Albert A., assignor.)
- Doig, Emma, executrix. (See Williams, Elmer E.)
- Dokken, Henry G., et al. (See Ness, Jens M. J., assignor.)
- Dolan, James P., Revere, assignor to Penn Metal Company, Boston, Mass. Culvert. No. 1,110,047; Sept. 8; Gaz. vol. 206; p. 462.
- Dolan, John, Duquesne, Pa. Ratchet-wrench. No. 1,087,736; Feb. 17; Gaz. vol. 199; p. 849.
- Dolan, John C., and J. Lenord, Windber, Pa. Safety-stirrup. No. 1,088,552; Feb. 24; Gaz. vol. 199; p. 1170.
- Dolan, William J., Rhinelander, Wis. Emulsifying resin soap in water. No. 1,111,689; Sept. 22; Gaz. vol. 206; p. 1121.
- Dolbear, Clinton E., assignor to E. H. Merrill, Berkeley, Cal. Recovering sodium and potassium salts from mixtures thereof. No. 1,088,216; Feb. 24; Gaz. vol. 199; p. 1059.
- Dolbear, Clinton E., assignor to E. H. Merrill, Berkeley, Cal. Recovering sodium and potassium salts from mixtures thereof. No. 1,088,333; Feb. 24; Gaz. vol. 199; p. 1099.
- Dolbear, Samuel H., San Francisco, Cal. Guard for cement work. No. 1,101,909; June 30; Gaz. vol. 203; p. 1403.
- Dolby, Jesse H., Elgin, Ill. Camera-shutter. No. 1,084,137; Jan. 13; Gaz. vol. 198; p. 322.
- Doldt Coin Handling Machine Company. (See Doldt, John E., assignor.)
- Doldt, John E., Portland, Me., assignor, by mesne assignments, to Doldt Coin Handling Machine Company, Boston, Mass. Coin-packaging device. No. 1,085,673; Feb. 3; Gaz. vol. 199; p. 33.
- Dole, Herbert E., and O. S. De Zara, Boston, assignors of one-third to J. W. Nourbourn, Somerville, Mass. Time-controlling apparatus for burners. No. 1,086,589; Feb. 10; Gaz. vol. 199; p. 399.
- Dole Valve Company. (See Allen, Everett P., assignor.)
- Dolenga, Maryann, St. Louis, Mo. Nutcracker. No. 1,093,549; Apr. 14; Gaz. vol. 201; p. 518.
- Dolezal, William A., Burke, S. D. Subsoiler. No. 1,095,314; May 5; Gaz. vol. 202; p. 48.
- Dolge, Carl B., Westport, Conn. Embalming-board. No. 1,109,406; Sept. 1; Gaz. vol. 206; p. 196.
- Doll, Fred W., assignor of one-half to A. H. Ballet, Allentown, Pa. Puzzle. No. 1,114,125; Oct. 20; Gaz. vol. 207; p. 681.
- Doll, William F., New York, N. Y., assignor of one-half to L. McClung, Washington, D. C. Resilient wheel. No. 1,091,302; Mar. 24; Gaz. vol. 200; p. 1023.
- Doll, William F., New York, N. Y., assignor of one-half to L. McClung, Washington, D. C. Resilient wheel. No. 1,091,303; Mar. 24; Gaz. vol. 200; p. 1023.
- Doll, William F., New York, N. Y., assignor of one-half to L. McClung, Washington, D. C. Resilient wheel. No. 1,091,304; Mar. 24; Gaz. vol. 200; p. 1024.
- Doll, William F., New York, N. Y., assignor of one-half to L. McClung, Washington, D. C. Resilient wheel. No. 1,091,305; Mar. 24; Gaz. vol. 200; p. 1024.
- Dollman, Hubert, Birmingham, England. Lock-nut. No. 1,113,419; Oct. 13; Gaz. vol. 207; p. 395.
- Dolph, Seiden H., Olyphant, Pa. Safety-catch for elevators. No. 1,108,723; Aug. 25; Gaz. vol. 205; p. 1236.
- Dom, Chesley, assignor to The Samuel C. Tatum Company, Cincinnati, Ohio. Temporary binder. No. 1,091,452; Mar. 24; Gaz. vol. 200; p. 1070.
- Dom, Chesley, assignor to The Samuel C. Tatum Company, Cincinnati, Ohio. Temporary binder. No. 1,118,273; Nov. 24; Gaz. vol. 208; p. 1097.
- Doman, Lewis B., Elbridge, N. Y. Self-playing musical instrument. No. 1,111,712; Sept. 22; Gaz. vol. 206; p. 1129.
- Doman, Lewis B., Elbridge, N. Y., assignor, by mesne assignments, to Autopiano Company. Web-guiding device. No. 1,094,428; Apr. 28; Gaz. vol. 201; p. 915.
- Doman, Lewis B., assignor to Amphion Piano Player Company, Elbridge, N. Y. Pneumatic self-playing musical instrument. No. 1,097,706; May 26; Gaz. vol. 202; p. 992.
- Doman, Lewis B., assignor to Amphion Piano Player Company, Elbridge, N. Y. Automatic tensioning device for traveling music-sheets. No. 1,097,852; May 26; Gaz. vol. 202; p. 1044.
- Doman, Lewis B., assignor to The Amphion Piano Player Company, Syracuse, N. Y. Self-playing musical instrument. (Reissue.) No. 13,764; July 7; Gaz. vol. 204; p. 277.
- Doman, Lewis B., assignor to Amphion Piano Player Company, Elbridge, N. Y. Pneumatic self-playing musical instrument. No. 1,118,189; Nov. 24; Gaz. vol. 208; p. 1068.
- Domaradzki, Adalbert, Cleveland, Ohio. Flying-machine. No. 1,098,024; May 26; Gaz. vol. 202; p. 1106.
- Dombelek, Klemens, New Castle, Pa. Rail-chair. No. 1,108,069; Aug. 18; Gaz. vol. 205; p. 961.
- Dombkowski, Kazimier, Amsterdam, N. Y. Life-boat. No. 1,111,997; Sept. 29; Gaz. vol. 206; p. 1263.
- Dominguez, Juan A., Buenos Aires, Argentina. Dyeing. No. 1,099,240; June 9; Gaz. vol. 203; p. 342.
- Dominguez, Juan A., Buenos Aires, Argentina. Dyeing. No. 1,121,720; Dec. 22; Gaz. vol. 209; p. 1102.
- Domizi, David F., Franklin, Pa. Chuck for piston-rings. No. 1,098,025; May 26; Gaz. vol. 202; p. 1107.
- Domizi, David F., Franklin, Pa. Gaging-tool for piston-rings. No. 1,098,026; May 26; Gaz. vol. 202; p. 1107.
- Dommer, Herman and J., Chicago, Ill. Clamping device for sliding doors. No. 1,117,643; Nov. 17; Gaz. vol. 208; p. 839.
- Dommer, John. (See Dommer, Herman and J.)
- Domowitch, Frank, Wilkes-Barre, Pa. Spark-arrester. No. 1,112,364; Sept. 29; Gaz. vol. 206; p. 1390.
- Domser, Anthony, Syracuse, N. Y. Danger-signal. No. 1,114,451; Oct. 20; Gaz. vol. 207; p. 798.
- Donachy, Darwin H., assignor of forty-nine one-hundredths to D. T. Mahaffey, Williamsport, Pa. Resilient tire for vehicle-wheels. No. 1,083,670; Jan. 6; Gaz. vol. 198; p. 136.
- Donadon, Elmer, and M. M. Mathes, assignors to American Car and Foundry Company, St. Louis, Mo. Folding stake-pocket. No. 1,123,181; Dec. 29; Gaz. vol. 209; p. 1650.
- Donald, Bruce I. (See Donald, Percy G. and B. I.)

Alphabetical list of patentees—Continued.

- Donald, Donald, Masterton, New Zealand. Clamp for doors, windows, and the like. No. 1,086,281; Feb. 3; Gaz. vol. 199; p. 245.
- Donald, Percy G. and B. I., London, England. Conveyer. No. 1,112,440; Oct. 6; Gaz. vol. 207; p. 9.
- Donaldson, Francis, Yonkers, assignor to The T. A. Gillespie Company, New York, N. Y. Hoisting-tower. No. 1,093,257; Apr. 14; Gaz. vol. 201; p. 424.
- Donaldson, James H., Chicago, Ill. Automatic-release handle for vestibule-curtains. No. 1,094,135; Apr. 21; Gaz. vol. 201; p. 758.
- Donaldson, James H., and B. T. Lewis, deceased, Chicago; M. C. Lewis, executrix, La Grange, Ill. Automatic release mechanism for vestibule-curtains. No. 1,105,261; July 28; Gaz. vol. 204; p. 1191.
- Donaldson, James H., Oak Park, and B. T. Lewis, deceased, La Grange, Ill.; M. C. Lewis, executrix. Curtain for car-vestibules. No. 1,119,499; Dec. 1; Gaz. vol. 209; p. 207.
- Donaldson, James M., Dodd City, Tex. Safety hat-pin. No. 1,114,869; Oct. 27; Gaz. vol. 207; p. 996.
- Donaldson, James M., Dodd City, Tex. Envelop. No. 1,119,251; Dec. 1; Gaz. vol. 209; p. 121.
- Donaldson, Margaret, assignor to Spotswood Specialty Company, Lexington, Ky. Toy. No. 1,122,485; Dec. 29; Gaz. vol. 209; p. 1403.
- Donaldson, Robert, Cleveland, Ohio. Apparatus for granulating molten slag. No. 1,117,644; Nov. 17; Gaz. vol. 208; p. 839.
- Donaly, James L., Newark, N. J. Fishing-bait. No. 1,093,980; Apr. 21; Gaz. vol. 201; p. 706.
- Donath, Max, assignor to E. Imle, Dresden, Germany. Screw-blade for impellers. No. 1,088,883; Mar. 3; Gaz. vol. 200; p. 72.
- Donatz, Otto. (See Mühl, Ernst, assignor.)
- Donavan, Lillian, Lexington, N. C. Collapsible screen and rack. No. 1,093,119; Apr. 14; Gaz. vol. 201; p. 377.
- Donaway, Milton L., South Bellingham, Wash. Wheel. No. 1,113,963; Oct. 20; Gaz. vol. 207; p. 624.
- Donegan Auto Body and Specialty Company, The. (See Donegan and Walsh, assignors.)
- Donegan, William R., and J. J. Walsh, assignors to The Donegan Auto Body and Specialty Company, Hartford, Conn. Supporting means for automobile-tops. No. 1,119,412; Dec. 1; Gaz. vol. 209; p. 177.
- Doneleson, Bowen C. (See Seaman, Frank C., assignor.)
- Doney, Charles S., assignor of one-third to J. T. Boyle, Wallace, Idaho. Electrical agricultural system. No. 1,085,802; Feb. 3; Gaz. vol. 199; p. 80.
- Doner, Martin J., Chicago, Ill. Joint-closure. No. 1,100,233; June 16; Gaz. vol. 203; p. 720.
- Doner, Martin J., assignor, by mesne assignments, of one-half to C. F. Dynes, Chicago, Ill. Step-by-step mechanism. No. 1,110,751; Sept. 15; Gaz. vol. 206; p. 752.
- Donigan, Horn G., St. Louis, Mo. Extensible tower. No. 1,092,096; Mar. 31; Gaz. vol. 200; p. 1336.
- Donisi, Luigi, New York, N. Y. Cheese-grinding mill. No. 1,106,931; Aug. 11; Gaz. vol. 205; p. 515.
- Donlon, Thomas H., assignor of one-third to W. Lowry, Syracuse, N. Y. Animal-trap. No. 1,121,174; Dec. 15; Gaz. vol. 209; p. 877.
- Donndorf, Peter, Stuttgart, assignor to Daimler-Motoren-Gesellschaft, Untertürkheim, Germany. Jet-carbureter. No. 1,097,401; May 19; Gaz. vol. 202; p. 843.
- Donnell, William F., Hematite, assignor of one-fourth to J. F. Meier, Pevely, and one-fourth to W. F. Sweet, St. Louis, Mo. Farm-gate. No. 1,084,733; Jan. 20; Gaz. vol. 198; p. 550.
- Donnell, William R., Bath, Me. Mooring-cleat. No. 1,119,252; Dec. 1; Gaz. vol. 209; p. 121.
- Donnelly, Alexander G., assignor to Quasapic Company, Inc., New York, N. Y. Shutter for projecting apparatus. No. 1,098,370; June 2; Gaz. vol. 203; p. 4.
- Donnelly, Alexander G., assignor to Quasapic Company, New York, N. Y. Automatic film-exposure apparatus. No. 1,098,371; June 2; Gaz. vol. 203; p. 4.
- Donnelly, Alexander G., assignor to Quasapic Company, Inc., New York, N. Y. Projecting apparatus. No. 1,115,913; Nov. 3; Gaz. vol. 208; p. 152.
- Donnelly, Frank A., and J. E. Blanthorn, New York, N. Y. Fabric-clamp. No. 1,106,136; Aug. 4; Gaz. vol. 205; p. 194.
- Donnelly, James A., Brooklyn, N. Y. Valve. No. 1,094,543; Apr. 28; Gaz. vol. 201; p. 955.
- Donnelly, James A., New York, N. Y. Smoking-pipe. No. 1,119,934; Dec. 8; Gaz. vol. 209; p. 391.
- Donnelly, James L., Philadelphia, Pa. Fare and transfer ticket. No. 1,114,344; Oct. 20; Gaz. vol. 207; p. 758.
- Donnelly, John, Branford, Conn. Tobacco-pipe. No. 1,115,412; Oct. 27; Gaz. vol. 207; p. 1186.
- Donnelly, Joseph C., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for packing matches. No. 1,122,579; Dec. 29; Gaz. vol. 209; p. 1436.
- Donnelly, Joseph C., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for packing matches. No. 1,122,580; Dec. 29; Gaz. vol. 209; p. 1436.
- Donnelly, Lawrence F., Lansford, Pa. Goggles. No. 1,105,630; Aug. 4; Gaz. vol. 205; p. 15.
- Donnelly, Peter H., New Bedford, assignor to Draper Company, Hopedale, Mass. Tension-controlling means for spoolers. No. 1,105,969; Aug. 4; Gaz. vol. 205; p. 137.
- Donnelly, Samuel J., Oneonta, N. Y. Burial-casket. No. 1,099,285; June 9; Gaz. vol. 203; p. 357.
- Donnelly, William T., Brooklyn, N. Y. Floating dry-dock. No. 1,107,768; Aug. 18; Gaz. vol. 205; p. 858.
- Donner, Percy E. (See Snyder, Jacob R., assignor.)
- Donner, Philip C., Summit, N. J. Carrotting fur. No. 1,106,371; Aug. 11; Gaz. vol. 205; p. 316.
- Donner, William E., Grand Island, Nebr. Light-support. No. 1,085,851; Feb. 3; Gaz. vol. 199; p. 97.
- Donohue, Daniel, Buffalo, N. Y. Water heater and purifier. No. 1,091,565; Mar. 31; Gaz. vol. 200; p. 1154.
- Donohue, Daniel W., and A. B. Tachell, Chicago, Ill. Attachment for railway-cars. No. 1,119,935; Dec. 8; Gaz. vol. 209; p. 391.
- Donohue, John H., St. Paul, Minn. Hinge. No. 1,094,136; Apr. 21; Gaz. vol. 201; p. 758.
- Donor, Austin V., assignor of one-third to J. Kleeblatt and one-third to L. Kleeblatt, New York, N. Y. Scissors. No. 1,123,115; Dec. 29; Gaz. vol. 209; p. 1625.
- Donovan, John J., Boston, Mass. Bubbling drinking-fountain. No. 1,112,689; Oct. 6; Gaz. vol. 207; p. 100.
- Donovan, Patrick J., Collins, Wis. Shock-loader. (Re-issue.) No. 13,700; Mar. 17; Gaz. vol. 200; p. 829.
- Donovan, Timothy H., assignor of one-half to R. Gerber, Raymond, Wash. Unloading apparatus. No. 1,094,060; Apr. 21; Gaz. vol. 201; p. 733.
- Donovan, William E., Great Falls, Mont. Paper-file. No. 1,122,874; Dec. 29; Gaz. vol. 209; p. 1542.
- Doody, Frederick C., St. Onge, S. D. Explosive-engine-starting device. No. 1,084,541; Jan. 13; Gaz. vol. 198; p. 452.
- Doolan, William J., Washington, D. C. Guide-block for torpedoes. No. 1,099,971; June 16; Gaz. vol. 203; p. 629.
- Dooley, Frank P., Chicago, Ill. Wire bed-bottom fabric. No. 1,105,262; July 28; Gaz. vol. 204; p. 1191.
- Dooley, Frank P., Chicago, Ill. Wire fabric. No. 1,106,551; Aug. 11; Gaz. vol. 205; p. 381.
- Dooley, Simon F., New York, N. Y., assignor, by mesne assignments, to White Knight Company, Pin. No. 1,102,187; June 30; Gaz. vol. 203; p. 1502.
- Doolittle, Charles A. (See Schenck and Doolittle.)
- Doolittle, George W., Chicago, Ill. Pressure-accumulator. No. 1,096,291; May 12; Gaz. vol. 202; p. 417.
- Doolittle, William E., New Britain, Conn. Watch-guard. No. 1,091,201; Mar. 24; Gaz. vol. 200; p. 990.
- Doolittle, William W., Evanston, assignor to Crane Company, Chicago, Ill. Mold. No. 1,104,971; July 28; Gaz. vol. 204; p. 1090.
- Doorenbos, Jacob, Kalamazoo, Mich. Incandescent lamp. No. 1,092,826; Apr. 14; Gaz. vol. 201; p. 276.
- Döppenschmitt, Friedrich, Pforzheim, Germany. Extensible tube for jewelry purposes. No. 1,117,986; Nov. 24; Gaz. vol. 208; p. 999.
- Dora, Tomy A., Calderpark, Utah. Sled-mobile. No. 1,086,033; Feb. 3; Gaz. vol. 199; p. 163.
- Doran, James A., Providence, R. I. Pin-joint. No. 1,086,656; Feb. 10; Gaz. vol. 199; p. 421.
- Doran, James A., Providence, R. I. Pin-joint. No. 1,086,657; Feb. 10; Gaz. vol. 199; p. 422.
- Doran, James A., Providence, R. I. Cup-post for electric batteries. No. 1,117,006; Nov. 10; Gaz. vol. 208; p. 576.
- Doran, James F. (See Starr and Doran.)
- Doran, James F., Danbury, Conn. Hat-crown-pouncing machine. No. 1,110,191; Sept. 8; Gaz. vol. 206; p. 515.
- Doran, James F., Danbury, Conn. Hat-crown-pouncing machine. No. 1,110,192; Sept. 8; Gaz. vol. 206; p. 515.
- Dore, Harry B. (See Dore, Herman R., L. G., and H. B.)
- Dore, Herman R., L. G., and H. B., Portsmouth, N. H. Train-pipe coupling. No. 1,119,814; Dec. 8; Gaz. vol. 209; p. 349.
- Dore, Lewis G. (See Dore, Herman R., L. G., and H. B.)
- Doredant, Theodore C., New Orleans, La. Door-fastener. No. 1,111,568; Sept. 22; Gaz. vol. 206; p. 1078.
- Doremus, Charles A., New York, N. Y. Obtaining aluminium fluorid. No. 1,110,675; Sept. 15; Gaz. vol. 206; p. 727.
- Dorer, Primus O., Lee, assignor to S. Smith & Son, Limited, Westminster, England. Odometer. No. 1,117,349; Nov. 17; Gaz. vol. 208; p. 736.
- Dorl, Walter P., Detroit, Mich., assignor to Dorl-Wiley One Lady Auto Top Company. Vehicle-top. No. 1,121,553; Dec. 15; Gaz. vol. 209; p. 1006.
- Dorl-Wiley One Lady Auto Top Company. (See Dorl, Walter P., assignor.)
- Dorland, Max A. (See Bookwalter and Dorland.)
- Dorment, Frank C. (See Sopha, Hattie, assignor.)
- Dorment, Frank C., assignor to Wireless Vibrator Company, Detroit, Mich. Massage-vibrator. No. 1,102,885; July 7; Gaz. vol. 204; p. 231.
- Dormon, James L., New Orleans, La. Extracting volatile and fusible products from wood. No. 1,122,084; Dec. 22; Gaz. vol. 209; p. 1230.
- Dormus, Fritz R. von, and J. Fleischmann, Vienna, Austria-Hungary. Controlling device for radiators. No. 1,084,717; Jan. 20; Gaz. vol. 198; p. 544.

Alphabetical list of patentees—Continued.

- Dorneth, Julius, assignor to Typograph G. m. b. H., Berlin, Germany. Matrix-setting and line-casting device. No. 1,094,643; Apr. 28; Gaz. vol. 201; p. 991.
- Dorneth, Julius, assignor to Typograph Gesellschaft m. b. H., Berlin, Germany. Matrix-line setting and casting machine. No. 1,108,556; Aug. 25; Gaz. vol. 205; p. 1179.
- Dorneth, Julius, assignor to Typograph G. m. b. H., Berlin, Germany. Line setting and casting machine. No. 1,115,516; Nov. 3; Gaz. vol. 208; p. 17.
- Dorney, Clark L., Dayton, Ohio. Latch for sleeping-car head-boards. No. 1,094,781; Apr. 28; Gaz. vol. 201; p. 1041.
- Dornheim, Walter, Leipzig, Germany. Stamp-affixing machine. No. 1,113,420; Oct. 13; Gaz. vol. 207; p. 395.
- Dornin, Thomas B., Norfolk, Va., assignor to The H. Mueller Manufacturing Company, Decatur, Ill. High-pressure plug-cock. No. 1,099,592; June 9; Gaz. vol. 203; p. 463.
- Dorr, James C., Dansville, N. Y. Speed-changing mechanism. No. 1,115,058; Oct. 27; Gaz. vol. 207; p. 1064.
- Dorr, John V., Denver, Colo. Disposal of tailings. No. 1,103,351; July 14; Gaz. vol. 204; p. 440.
- Dorr, John V., Denver, Colo. Apparatus for the disposal of tailings. No. 1,103,352; July 14; Gaz. vol. 204; p. 440.
- Dorr, John V., Denver, Colo. Resistance-indicator. No. 1,106,865; Aug. 11; Gaz. vol. 205; p. 491.
- Dorr, John V. N., Denver, Colo. Agitator. No. 1,109,210; Sept. 1; Gaz. vol. 206; p. 125.
- Dorrance, Harold J., Pittsburgh, Pa. Osteopathic-treatment table. No. 1,092,435; Apr. 7; Gaz. vol. 201; p. 108.
- Dorricott, Charles W., assignor to Electrelle Company, Philadelphia, Pa. Pneumato electric tracker-bar for musical instruments. No. 1,088,884; Mar. 3; Gaz. vol. 200; p. 72.
- Dorricott, Charles W., Philadelphia, assignor to Electrelle Company, Summerdale, Pa. Music roll or spool. No. 1,121,905; Dec. 22; Gaz. vol. 209; p. 1167.
- Dorris, William F., Rochester, N. Y. Camera-carrying case. No. 1,088,885; Mar. 3; Gaz. vol. 200; p. 72.
- Dorros, Theodore L., Washington, D. C. Mechanical movement. No. 1,100,546; June 16; Gaz. vol. 203; p. 827.
- Dorsey Manufacturing Company. (See Gifford, Harry E., assignor.)
- Dort, Granville C., Plain City, assignor of one-half to R. P. Dort, Westerville, Ohio. Tractor. No. 1,105,551; July 28; Gaz. vol. 204; p. 1294.
- Dort, Richmond P. (See Dort, Granville C., assignor.)
- Dörwald, Gottfried L. M., London, England. Internal-combustion engine. No. 1,102,019; June 30; Gaz. vol. 203; p. 1444.
- Dorward, John G., San Francisco, Cal. Pump-head-reciprocating mechanism. No. 1,099,874; June 9; Gaz. vol. 203; p. 559.
- Doscher, Susie H., New York, N. Y. Culinary implement. No. 1,116,035; Nov. 3; Gaz. vol. 208; p. 195.
- Dosselman, Gustave, and P. Neymann, Chicago, Ill., assignors, by mesne assignments, to Chadeloid Chemical Company, New York, N. Y. Finish-remover. No. 1,113,964; Oct. 20; Gaz. vol. 207; p. 624.
- Dossert, John J. (See Hinds and Dossert.)
- Dossert, John J. (See Smith and Dossert.)
- Dossert, John J., and E. G. Smith, assignors to Crouse-Hinds Company, Syracuse, N. Y. Lamp-shade holder. No. 1,118,896; Nov. 24; Gaz. vol. 208; p. 1313.
- Dossett, Henry. (See Hammers, Wendell P., assignor.)
- Dostal, Frank J., Jr., Toledo, Iowa. Clothes-pin. No. 1,088,553; Feb. 24; Gaz. vol. 199; p. 1170.
- Doten-Dunton Desk Company. (See Duncan, James L., assignor.)
- Dotta, Antone E., Loyalton, Cal. Bearing. No. 1,091,306; Mar. 24; Gaz. vol. 200; p. 1025.
- Doty, Alva L., West Salem, Ill. Card game. No. 1,087,737; Feb. 17; Gaz. vol. 199; p. 849.
- Doty, Cecelia B. and G. S., Philadelphia, Pa. Tire. No. 1,122,875; Dec. 29; Gaz. vol. 209; p. 1542.
- Doty, Charles H. (See Hussey and Doty.)
- Doty, Giles S. (See Doty, Cecelia B. and G. S.)
- Doty, William H., West Somerville, Mass. Mixing apparatus. No. 1,122,876; Dec. 29; Gaz. vol. 209; p. 1543.
- Double Body Bolster Co. (See Smith, Clarence E., assignor.)
- Double Body Bolster Company. (See Frede, Charles F., assignor.)
- Double Body Bolster Company. (See Johnson and Westlake, assignors.)
- Double Body Bolster Company. (See Pflager, Harry M., assignor.)
- Double Body Bolster Company. (See Pulliam, Oswald S., assignor.)
- Double Body Bolster Company. (See Westlake, Charles T., assignor.)
- Double Body Bolster Company. (See Westlake and Frede, assignors.)
- Doud, Giles B., Winona, Minn. Cabinet. No. 1,098,787; June 2; Gaz. vol. 203; p. 146.
- Dougan, John B. (See Pearson and Conner, assignors.)
- Dougan, Kennedy, Minneapolis, Minn. Steam-pump. No. 1,084,847; Jan. 20; Gaz. vol. 198; p. 589.
- Dougan, Kennedy, Minneapolis, Minn. Machine for delinting cotton-seed. No. 1,092,983; Apr. 14; Gaz. vol. 201; p. 330.
- Dougan, Kennedy, Minneapolis, Minn. Steam-pump. No. 1,114,345; Oct. 20; Gaz. vol. 207; p. 759.
- Dougherty, Curtis, Cincinnati, Ohio, C. F. Jones and D. M. Case, Lexington, Ky. Switch-operating mechanism. No. 1,097,971; May 26; Gaz. vol. 202; p. 1089.
- Dougherty, Edwin E., and U. W. Baston, Indianapolis, Ind. Coin-controlled lock. No. 1,105,498; July 28; Gaz. vol. 204; p. 1276.
- Dougherty, Eugene E., San Bernardino, Cal. Attachment-plug. No. 1,110,193; Sept. 8; Gaz. vol. 206; p. 515.
- Dougherty, Everett M., Escanaba, Mich. Fastener. No. 1,090,840; Mar. 24; Gaz. vol. 200; p. 864.
- Dougherty, Everett M., Milwaukee, Wis., assignor to Ready Rax Manufacturing Company, Escanaba, Mich. Display apparatus. No. 1,099,345; June 9; Gaz. vol. 203; p. 379.
- Dougherty, John, Philadelphia, Pa. Music-leaf turner. No. 1,113,965; Oct. 20; Gaz. vol. 207; p. 625.
- Dougherty, William A., assignor to Polar Gas Company, New York, N. Y. Means for carbureting air. No. 1,118,897; Nov. 24; Gaz. vol. 208; p. 1313.
- Doughty, Henry J., Edgewood, R. I., assignor to Doughty Tire Company, Portland, Me. Molding and vulcanizing machine. No. 1,101,732; June 30; Gaz. vol. 203; p. 1340.
- Doughty, Herman W. (See Beach and Doughty.)
- Doughty, Herman W., Binghamton, assignor to G. O. Knapp, New York, N. Y. Condition-indicating mechanism for signaling systems. No. 1,120,459; Dec. 8; Gaz. vol. 209; p. 577.
- Doughty Tire Company. (See Doughty, Henry J., assignor.)
- Douglas, Charles H., Springfield, assignor to Douglas Saw & Machinery Co., Boston, Mass. Machine for ribbing the teeth of saws. No. 1,107,500; Aug. 18; Gaz. vol. 205; p. 763.
- Douglas, Edwin R., Glenside, Pa. Forming screw-threads in cylindrical metal articles. No. 1,083,598; Jan. 6; Gaz. vol. 198; p. 112.
- Douglas, Frederick J., Topeka, Kans. Valve-block. No. 1,087,354; Feb. 17; Gaz. vol. 199; p. 713.
- Douglas, Hammond B., Worcester, Mass., assignor to Woods-Sherwood Company. Strainer. No. 1,110,483; Sept. 15; Gaz. vol. 206; p. 659.
- Douglas, Harry A., Chicago, Ill. Electric lamp. No. 1,089,749; Mar. 10; Gaz. vol. 200; p. 417.
- Douglas, Harry A., Chicago, Ill. Reflecting electric lamp. No. 1,089,750; Mar. 10; Gaz. vol. 200; p. 417.
- Douglas, Henderson B. (See Hansson and Moeller, assignors.)
- Douglas, Ira W., Litchfield, Nebr. Corn-planter. No. 1,092,030; Mar. 31; Gaz. vol. 200; p. 1312.
- Douglas, Irving G., Montclair, N. J., assignor to Cooperage Seal Company, Inc., New York, N. Y. Receptacle closing and sealing device. No. 1,095,143; Apr. 28; Gaz. vol. 201; p. 1165.
- Douglas, Jay R., assignor of one-half to W. G. Shinkle, Mound City, Kans. Headlight control for automobiles, &c. No. 1,123,182; Dec. 29; Gaz. vol. 209; p. 1651.
- Douglas, John, et al. (See Dymond, John, assignor.)
- Douglas, John, East Sheen, Surrey, England. Internal-combustion engine. No. 1,109,518; Sept. 1; Gaz. vol. 206; p. 231.
- Douglas, John, assignor of one-third to H. R. Sanson and one-third to G. C. Walter, Birmingham, Ala. Dust-collector. No. 1,122,371; Dec. 29; Gaz. vol. 209; p. 1365.
- Douglas, John A., assignor of one-fourth to A. O. Goff, Waterloo, Iowa. Electrical connection for telephones and the like. No. 1,086,147; Feb. 3; Gaz. vol. 199; p. 202.
- Douglas, John H., Portland, Me. Ventilated water-closet. No. 1,122,264; Dec. 29; Gaz. vol. 209; p. 1330.
- Douglas-Jones, Walter D., Westminster, England. Cart and wagon adapted more especially for military use. No. 1,117,987; Nov. 24; Gaz. vol. 208; p. 999.
- Douglas, Raiford W., Miami, Fla. Coupling for ropes, &c. No. 1,087,738; Feb. 17; Gaz. vol. 199; p. 849.
- Douglas Saw & Machinery Co. (See Douglas, Charles H., assignor.)
- Douglas, Sholto M., administrator. (See De Vilbiss, Allen, Jr.)
- Douglas, Theodore, Scarborough, N. Y. Railway-car ventilator. No. 1,116,576; Nov. 10; Gaz. vol. 208; p. 423.
- Douglas, Theodore, Scarborough, N. Y. Combined speed-controller and brake. No. 1,121,485; Dec. 15; Gaz. vol. 209; p. 983.
- Douglas, W. & B. (See Bliss, Henry P., assignor.)
- Douglas, Walter L. (See Heyne, Howard A., assignor.)
- Douglas, William H., Belleville, N. J., assignor to Healey & Company, New York, N. Y. Brake mechanism. No. 1,101,123; June 23; Gaz. vol. 203; p. 1081.
- Douglas, William H., Belleville, N. J., assignor to Healey & Company, New York, N. Y. Motor-vehicle chassis. No. 1,115,413; Oct. 27; Gaz. vol. 207; p. 1186.

Alphabetical list of patentees—Continued.

- Douglass, Andrew C., Sonoma, Cal. Beet pulling and topping machine. No. 1,099,540; June 9; Gaz. vol. 203; p. 445.
- Douglass, Andrew C., Sonoma, Cal. Separable reversible bee-trap. No. 1,113,886; Oct. 13; Gaz. vol. 207; p. 558.
- Douglass, David P. T., Jackson, Tenn. Floor-scraper. No. 1,107,919; Aug. 18; Gaz. vol. 205; p. 908.
- Douglass, Frank J., Chicago, Ill. Humidifying device. No. 1,094,544; Apr. 28; Gaz. vol. 201; p. 956.
- Douglass, John A., Austin, Tex. Vehicle-jack. No. 1,100,547; June 16; Gaz. vol. 203; p. 827.
- Douglass, Samuel F., Prairie du Rocher, Ill. Tractor for vehicles. No. 1,089,696; Mar. 10; Gaz. vol. 200; p. 398.
- Doutre, Adolphe F. J., Paris, France. Aeronautical machine. No. 1,084,796; Jan. 20; Gaz. vol. 198; p. 571.
- Dove-Smith, Joseph, Niagara Falls, N. Y. Variable-speed gearing. No. 1,116,252; Nov. 3; Gaz. vol. 208; p. 267.
- Dovel, James P. (See Shannon, John J., assignor.)
- Dovel, James P., and C. C. Glidden, Birmingham, Ala. Amalgamator. No. 1,123,116; Dec. 29; Gaz. vol. 209; p. 1625.
- Dover, David L., Seattle, Wash. Non-refillable bottle. No. 1,104,972; July 28; Gaz. vol. 204; p. 1091.
- Dover, Horace W., Northampton, England. Hand-wheel. No. 1,101,417; June 23; Gaz. vol. 203; p. 1181.
- Dow, Alexander, New York, N. Y., assignor to Helix Tube Co., Inc. Pneumatic tire. No. 1,120,915; Dec. 15; Gaz. vol. 209; p. 786.
- Dow, Alexander, New York, N. Y., assignor to Helix Tube Co., Inc. Pneumatic tire. No. 1,120,916; Dec. 15; Gaz. vol. 209; p. 767.
- Dow Chemical Company, The. (See Barstow, Edwin O., assignor.)
- Dow Chemical Company, The. (See Dow, Herbert H., assignor.)
- Dow Chemical Company, The. (See Dow and Barstow, assignors.)
- Dow Chemical Company, The. (See Strosacker, Charles J., assignor.)
- Dow, Floyd, assignor of one-half to J. C. Rasmussen, Wyandot, Ill. Car-seal. No. 1,112,123; Sept. 29; Gaz. vol. 206; p. 1305.
- Dow, Floyd, assignor of one-third to E. B. Stevens and one-third to A. Hamrick, Wyandot, Ill. Lamp-burner. No. 1,121,175; Dec. 15; Gaz. vol. 209; p. 878.
- Dow, Herbert H., Midland, Mich., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Apparatus for conserving heat. No. 1,094,061; Apr. 21; Gaz. vol. 201; p. 734.
- Dow, Herbert H., Midland, Mich., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Conserving heat. No. 1,103,948; July 21; Gaz. vol. 204; p. 689.
- Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Method of and apparatus for electrolyzing liquids. No. 1,100,290; June 16; Gaz. vol. 203; p. 741.
- Dow, Herbert H., and E. O. Barstow, assignors to The Dow Chemical Company, Midland, Mich. Making arsenate of lead. No. 1,100,673; June 16; Gaz. vol. 203; p. 868.
- Dow, Herman L. (See Rosen, Sixten A., assignor.)
- Dow, James H., *et al.* (See Talbot, William W., assignor.)
- Dow, James H., *et al.* (See Talbot and Sawtelle, assignors.)
- Dow, John L., Melrose Highlands, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-sewing machine. No. 1,094,838; Apr. 28; Gaz. vol. 201; p. 1061.
- Dow, Merle A., Toledo, Ohio. Safety switch mechanism. No. 1,096,895; May 19; Gaz. vol. 202; p. 665.
- Dow Wire & Iron Works. (See Williams, Harry E., assignor.)
- Dowd, Benjamin F., Wasco, Cal. Attachment for wash-tubs. No. 1,118,112; Nov. 24; Gaz. vol. 208; p. 1042.
- Dowd, Frank, Cleveland, Ohio. Roller-platen for type-writing machines. No. 1,116,395; Nov. 10; Gaz. vol. 207; p. 357.
- Dowd, John A., Fall River, Mass. Thread-cutter. No. 1,085,026; Jan. 20; Gaz. vol. 198; p. 648.
- Dowd, John A., Fall River, Mass. Thread-cutting machine. No. 1,087,739; Feb. 17; Gaz. vol. 199; p. 850.
- Dowd, John A., Fall River, Mass. Thread-cutter. No. 1,095,090; Apr. 28; Gaz. vol. 201; p. 1147.
- Dowd, Martin. (See O'Brien, Sargent, Dowd, and O'Brien.)
- Dowdle, John W., Mineral Springs, Ark. Self-cleaning rake. No. 1,092,522; Apr. 7; Gaz. vol. 201; p. 138.
- Dowdy, Dorin C., Huntington, W. Va. Rivet-holding device. No. 1,105,892; Aug. 4; Gaz. vol. 205; p. 106.
- Dowe, Arthur W., Los Angeles, Cal. Differential car-wheel. No. 1,109,116; Sept. 1; Gaz. vol. 206; p. 92.
- Dowell, Perry C., Joliet, Ill. Road-drag. No. 1,094,313; Apr. 21; Gaz. vol. 201; p. 816.
- Dower, Will A., *et al.* (See Lytle, Harry R., assignor.)
- Downs, Richard G., Turtle Creek, Pa., assignor to Pittsburgh Meter Company. Meter-register compensating for pressure variations. (Reissue.) No. 13,760; June 30; Gaz. vol. 203; p. 1518.
- Dowler, Frank A., Lawrence, Kans. Pneumatic transmission. No. 1,122,877; Dec. 29; Gaz. vol. 209; p. 1543.
- Dowler, Frank A., Lawrence, Kans. Web-feeding apparatus. No. 1,122,878; Dec. 29; Gaz. vol. 209; p. 1543.
- Dowling, John J. (See Nix and Dowling.)
- Dowling, John J. (See Nix, Dowling, and Bursley.)
- Dowling, William, New Haven, Conn. Adjustable hand-stamp. No. 1,117,007; Nov. 10; Gaz. vol. 208; p. 576.
- Dowling, William T., Delta, Kans. Oil-burner. No. 1,095,091; Apr. 28; Gaz. vol. 201; p. 1147.
- Down, Ernest U., Bowling Green, assignor to The Down Trolley Supply Company, Toledo, Ohio. Trolley-wheel. No. 1,100,960; June 23; Gaz. vol. 203; p. 1025.
- Down, John V., Petersburg, Va. Detachable lamp-extinguisher. No. 1,117,809; Nov. 17; Gaz. vol. 208; p. 899.
- Down, Sidney G., Chicago, Ill., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Safety device for brakes. No. 1,083,351; Jan. 6; Gaz. vol. 198; p. 31.
- Down, Thomas M., London, England. Bullet for kinematographs. No. 1,107,593; Aug. 18; Gaz. vol. 205; p. 795.
- Down Trolley Supply Company, The. (See Down, Ernest U., assignor.)
- Downer, Moses M., Bridgeport, Conn. Wire corset-stay. No. 1,097,793; May 26; Gaz. vol. 202; p. 1025.
- Downes, Louis W., Providence, R. I. Magnetic chuck. No. 1,105,552; July 28; Gaz. vol. 204; p. 1294.
- Downey, Albert, Chandler, Okla. Routing and carrying device for mail. No. 1,096,356; May 12; Gaz. vol. 202; p. 440.
- Downey, Alleen J., Los Angeles, Cal. Stamp-applying machine. No. 1,121,554; Dec. 15; Gaz. vol. 209; p. 1007.
- Downey, Bartholomew, Marshfield, assignor of one-half to C. Haslow, Spencer, Wis. Door-check. No. 1,085,027; Jan. 20; Gaz. vol. 198; p. 648.
- Downey, Hugh J., Modesto, Cal. Match-container. No. 1,105,893; Aug. 4; Gaz. vol. 205; p. 107.
- Downey, Ira M., Wabash, Ind. Means for making and forming printing-slugs. No. 1,116,396; Nov. 10; Gaz. vol. 208; p. 357.
- Downey, Nicholas J., Wallingford, and S. Kumkumian, Meriden, Conn. Grinding and polishing machine. No. 1,091,489; Mar. 31; Gaz. vol. 200; p. 1128.
- Downey, Richard F., assignor, by mesne assignments, to Drop-a-Line Indicator Co., Milwaukee, Wis. Copy-holder line-indicator. No. 1,101,529; June 30; Gaz. vol. 203; p. 1271.
- Downey, Richard F., assignor of one-half to H. Loewenbach, Milwaukee, Wis. Washing-machine. No. 1,102,395; July 7; Gaz. vol. 204; p. 60.
- Downey, Thomas F., Chicago, Ill. Steam-boiler. No. 1,097,402; May 19; Gaz. vol. 202; p. 844.
- Downham, Walter S., Wheatley, Ontario, assignor of one-sixth to A. T. Bell and one-sixth to M. Steele, Tavistock, Ontario, Canada. Whey emulsion. No. 1,085,380; Jan. 27; Gaz. vol. 198; p. 808.
- Downie, James L. (See Downie and Turner.)
- Downie, Robert M., assignor to Keystone Driller Company, Beaver Falls, Pa. Traction-wheel. No. 1,099,789; June 9; Gaz. vol. 203; p. 530.
- Downie, Robert M., Beaver Falls, J. L. Downie, Downieville, Pa., and H. E. Turner, Los Angeles, Cal., assignors to Keystone Driller Company, Beaver Falls, Pa. Well-drilling machine. No. 1,096,022; May 12; Gaz. vol. 202; p. 324.
- Downie, Thomas H., San Francisco, Cal. Foundry-flask. No. 1,092,636; Apr. 7; Gaz. vol. 201; p. 178.
- Downie, William, San Francisco, Cal. Water-heating coil for gas-plates. No. 1,109,117; Sept. 1; Gaz. vol. 206; p. 92.
- Downing, Albert C., Milwaukee, Wis. Paper-creasing machine. No. 1,089,402; Mar. 10; Gaz. vol. 200; p. 294.
- Downing, Ira S., Cleveland, Ohio. Running-board for cars. No. 1,085,196; Jan. 27; Gaz. vol. 198; p. 742.
- Downing, Ira S., Cleveland, Ohio. Coupling-centering device for railway-cars. No. 1,112,897; Oct. 6; Gaz. vol. 207; p. 169.
- Downing, Ira S., Indianapolis, Ind. Bolt connection. No. 1,114,239; Oct. 20; Gaz. vol. 207; p. 722.
- Downing, Ira S., Indianapolis, Ind., assignor to W. P. Murphy, Chicago, Ill. Means for supporting railway train-pipes. No. 1,120,607; Dec. 8; Gaz. vol. 209; p. 630.
- Downing, John M., East St. Louis, Ill. Water-feed for acetylene-lamps. No. 1,119,936; Dec. 8; Gaz. vol. 209; p. 392.
- Downs, George F., Buffalo, N. Y. Rotary furnace or kiln. No. 1,121,906; Dec. 22; Gaz. vol. 209; p. 1167.
- Downs, Leslie A., Kansas City, Mo. Automatic train-stopping device. No. 1,117,810; Nov. 17; Gaz. vol. 208; p. 899.
- Downs, Levi, Monticello, N. Y. Trap-nest. No. 1,093,550; Apr. 14; Gaz. vol. 201; p. 518.
- Downs, Samuel, assignor of forty-nine one-hundredths to Kandle Brothers, Pitman, N. J. Railway-tie plate. No. 1,083,599; Jan. 6; Gaz. vol. 198; p. 112.
- Downs, Samuel, assignor of one-half to V. D. Clark, Pitman, N. J. Window and door screen. No. 1,098,618; June 2; Gaz. vol. 203; p. 90.

Alphabetical list of patentees—Continued.

- Downs, Walter F. (See Logan and Downs.)
 Downs, William. (See Dennehy, Denis, assignor.)
 Downs, William F., Jersey City, N. J. Fertilizer and making the same. No. 1,120,917; Dec. 15; Gaz. vol. 209; p. 787.
 Downtain, Lee C., *et al.* (See Coldiron, James L., assignor.)
 Dowst, Samuel M., Chicago, Ill. Transfer-binder. No. 1,100,058; June 16; Gaz. vol. 203; p. 659.
 Doxey, Nicholas D. (See Bean, Ira V., assignor.)
 Doxsie, Samuel D. (See Talbot and Doxsie.)
 Doyle, Claud D., *et al.*, trustees. (See Finlayson, Alexander W., assignor.)
 Doyle, Francis J., Chicago, Ill. Vertical-water-tube boiler. No. 1,091,736; Mar. 31; Gaz. vol. 200; p. 1213.
 Doyle, Francis J., Chicago, Ill. Furnace. No. 1,107,594; Aug. 18; Gaz. vol. 205; p. 796.
 Doyle, Francis J., Chicago, Ill. Furnace. No. 1,108,976; Sept. 1; Gaz. vol. 206; p. 41.
 Doyle, Francis J., Chicago, Ill. Stove. No. 1,108,977; Sept. 1; Gaz. vol. 206; p. 42.
 Doyle, Fremont, Marion, Ind. Automatic-feed lubricator. No. 1,105,126; July 28; Gaz. vol. 204; p. 1143.
 Doyle, James, Pittsburgh, Pa. Server for automatic serving systems. No. 1,098,788; June 2; Gaz. vol. 203; p. 146.
 Doyle, James E., Cleveland, Ohio. Appliance for distributing a fluid. No. 1,098,432; June 2; Gaz. vol. 203; p. 26.
 Doyle, James J. (See Llewellyn and Doyle.)
 Doyle, James S. (See Hedley and Doyle.)
 Doyle, James S., New York, N. Y., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Electropneumatic brake system. No. 1,090,841; Mar. 24; Gaz. vol. 200; p. 864.
 Doyle, James S., Mount Vernon, and F. Hedley, Yonkers, N. Y. Load-regulated governing device for fluid-pressure. No. 1,096,493; May 12; Gaz. vol. 202; p. 485.
 Doyle, James S., Mount Vernon, and F. Hedley, Yonkers, N. Y. Automatic control and sanding device for cars operating on slippery rails. No. 1,121,988; Dec. 22; Gaz. vol. 209; p. 1196.
 Doyle, John, Hoboken, N. J. Violin. No. 1,096,812; May 12; Gaz. vol. 202; p. 593.
 Doyle, John J., New York, assignor to Autographic Time Lock Company, Inc., Bay Shore, N. Y. Autograph time-recorder for locks. No. 1,099,738; June 9; Gaz. vol. 203; p. 512.
 Doyle, William E., Bloomfield, N. J. Trousers-stretcher. No. 1,106,137; Aug. 4; Gaz. vol. 205; p. 194.
 Doyle, William J., assignor to The Monitor Stove and Range Company, Cincinnati, Ohio. Hinge for molders' flasks. No. 1,102,573; July 7; Gaz. vol. 204; p. 124.
 Doze, John C., Conway Springs, Kans. Wire splicer and stretcher. No. 1,092,700; Apr. 7; Gaz. vol. 201; p. 198.
 Dozier, Joseph E., Lynn, assignor of one-half to D. Stimson, Newton, Mass. Sleet-cutter for overhead trolleys. No. 1,101,838; June 30; Gaz. vol. 203; p. 1378.
 Dozier, Olin A., Athens, Ga. Coin-controlled lock. No. 1,117,811; Nov. 17; Gaz. vol. 208; p. 899.
 Drabek, Charles, Cleveland, Ohio. Spring suspension for vehicles. No. 1,119,937; Dec. 8; Gaz. vol. 209; p. 392.
 Drabold, Walter, and A. P. Mott, Detroit, Mich. Tire. No. 1,104,783; July 28; Gaz. vol. 204; p. 1024.
 Draft Regulator Company. (See Mulchahey, Earl R., assignor.)
 Dragan, Philip, C. De George, and R. Palmero, Philadelphia, Pa. Fed and water reservoir. No. 1,113,887; Oct. 13; Gaz. vol. 207; p. 558.
 Drage, James, Boulder, Western Australia, Australia. Filtering-machine. No. 1,087,647; Feb. 17; Gaz. vol. 199; p. 818.
 Dräger, Alexander B., Lübeck, Germany. Means for distributing oxygen. No. 1,114,126; Oct. 20; Gaz. vol. 207; p. 681.
 Dräger, Alexander B., assignor to Dräger-Werk, Heinr. & Bernh. Dräger, Lübeck, Germany. Battery for absorbing carbonic acid as used in breathing apparatus. No. 1,085,674; Feb. 3; Gaz. vol. 199; p. 34.
 Dräger, Alexander B., assignor to Drägerwerk Heinr. und Bernh. Dräger, Lübeck, Germany. Smoke-mask for respiration apparatus. No. 1,105,127; July 28; Gaz. vol. 204; p. 1143.
 Dräger-Werk, Heinr. & Bernh. Dräger. (See Dräger, Alexander B., assignor.)
 Drain, Edwin G., Tacoma, Wash. Timber-dolly. No. 1,105,631; Aug. 4; Gaz. vol. 205; p. 15.
 Drake, Ellis, deceased, Stoughton; F. E. Drake, executor, assignor to G. H. Lowe, Wellesley, Mass. Innersole. No. 1,112,988; Oct. 6; Gaz. vol. 207; p. 201.
 Drake, Florence E., Michigan City, Ind. Vegetable-cutter. No. 1,095,092; Apr. 28; Gaz. vol. 201; p. 1148.
 Drake, Frank E., executor. (See Drake, Ellis.)
 Drake, Frank E., Radcliffe, Iowa. Postal-call-box system. No. 1,102,886; July 7; Gaz. vol. 204; p. 231.
 Drake, George W., Chicago, Ill. Grain-door. No. 1,090,695; Mar. 17; Gaz. vol. 200; p. 785.
 Drake, Harry B., *et al.* (See Laden, Joe G., assignor.)
 Drake, William C., Lyra, Tex. Ice-can fastener for ice plants. No. 1,106,637; Aug. 11; Gaz. vol. 205; p. 412.
 Drake, William T. (See Turner, Drake, and Little.)
 Drakes Limited. (See Dobson, Arthur, assignor.)
 Drambourg, Rudolphe, New York, N. Y. Storage-battery plate. No. 1,105,499; July 28; Gaz. vol. 204; p. 1276.
 Drapsaty, Imre, Barberton, Ohio. Wrench. No. 1,119,348; Dec. 1; Gaz. vol. 209; p. 154.
 Draper, Arthur F., Detroit, Mich. Seat. No. 1,114,452; Oct. 20; Gaz. vol. 207; p. 798.
 Draper, Charles F., Montreal, Quebec, Canada. Collapsible core. No. 1,103,664; July 14; Gaz. vol. 204; p. 551.
 Draper, Charles T., assignor to The Draper Manufacturing Company, Cleveland, Ohio. Reversible gate for steel barrels. No. 1,103,176; July 14; Gaz. vol. 204; p. 380.
 Draper, Clare H., assignor to C. F. Roper & Company, Hopedale, Mass. Envelop moistener and sealer. No. 1,109,118; Sept. 1; Gaz. vol. 206; p. 92.
 Draper Company. (See Ashton, Francis E., assignor.)
 Draper Company. (See Asman, Charles W., assignor.)
 Draper Company. (See Bagwell, Junius H., assignor.)
 Draper Company. (See Ballou, Eugene H., assignor.)
 Draper Company. (See Bernier, Oscar, assignor.)
 Draper Company. (See Brooks, John C., assignor.)
 Draper Company. (See Chadwick, Herbert, assignor.)
 Draper Company. (See Davis, Harry A., assignor.)
 Draper Company. (See Donnelly, Peter H., assignor.)
 Draper Company. (See Dutcher, Frank J., assignor.)
 Draper Company. (See Herring, Frank D., assignor.)
 Draper Company. (See Holliday, James W., assignor.)
 Draper Company. (See Hollins, Denis M., assignor.)
 Draper Company. (See Koechlin, Albert G., assignor.)
 Draper Company. (See Lacey, Fred, assignor.)
 Draper Company. (See Loner, James D., assignor.)
 Draper Company. (See Manchester, Fred A., assignor.)
 Draper Company. (See Mills, Francis A., assignor.)
 Draper Company. (See Osgood, Dana, assignor.)
 Draper Company. (See Owen, Herbert W., assignor.)
 Draper Company. (See Poisson, Joseph, assignor.)
 Draper Company. (See Rhoades, Alonzo E., assignor.)
 Draper Company. (See Stimpson, Edward S., assignor.)
 Draper Company. (See Stone, Melvin L., assignor.)
 Draper, Ernest G. (See Zeller, William C., assignor.)
 Draper, Francis W., assignor to The Starr Piano Company, Richmond, Ind. Music-sheet driver for automatic players. No. 1,083,600; Jan. 6; Gaz. vol. 198; p. 113.
 Draper, Francis W., assignor to Starr Piano Company, Richmond, Ind. Silent-travel attachment for player-pianos. No. 1,112,989; Oct. 6; Gaz. vol. 207; p. 201.
 Draper, Frank H., Oswego, N. Y. Wrench. No. 1,087,933; Feb. 24; Gaz. vol. 199; p. 960.
 Draper, John F., and J. J. Taglauer, Eddyville, Iowa. Trap. No. 1,108,724; Aug. 25; Gaz. vol. 205; p. 1236.
 Draper, John P., Port Huron, Mich. Puzzle toy. No. 1,119,349; Dec. 1; Gaz. vol. 209; p. 155.
 Draper Manufacturing Company, The. (See Draper, Charles T., assignor.)
 Draper & Maynard Company, The. (See Hoffman, Lillburn T., assignor.)
 Draper, Thomas J., *et al.* (See Schenck, Henry L., assignor.)
 Draper, William S., Tacoma, Wash. Brake-lever. No. 1,119,689; Dec. 1; Gaz. vol. 209; p. 272.
 Draver, Emil R., Richmond, Ind., assignor to The Wolf Co., Chambersburg, Pa. Grinding-mill. No. 1,097,010; May 19; Gaz. vol. 202; p. 704.
 Dravo, William M. (See Roadman and Dravo.)
 Drawbaugh, Harman K., assignor of one-half to O. B. Morse, York, Pa. Stock and die. No. 1,108,346; Aug. 25; Gaz. vol. 205; p. 1106.
 Draycott, John, Toronto, Ontario, Canada. Supporting member for signs and notices. No. 1,111,142; Sept. 22; Gaz. vol. 206; p. 932.
 Drayton, William, Greendale, Ohio. Brick-kiln. No. 1,122,879; Dec. 29; Gaz. vol. 209; p. 1544.
 Drda, Antoinette V., Astoria, N. Y. Machine for drilling and shaping buttons. No. 1,090,604; Mar. 17; Gaz. vol. 200; p. 756.
 Drechsler, Wilhelm, Dresden, Germany. Purifying water. No. 1,088,063; Feb. 24; Gaz. vol. 199; p. 1007.
 Dreher, Oswald, Tambach, Germany. Apparatus for storing eggs. No. 1,091,307; Mar. 24; Gaz. vol. 200; p. 1025.
 Dreibelbis, Walter F., Royersford, Pa. Chicken-feeder. No. 1,119,413; Dec. 1; Gaz. vol. 209; p. 177.
 Dreisbach, Charles A., New Haven, Conn. Pulverizer. No. 1,118,846; Nov. 24; Gaz. vol. 208; p. 1296.
 Dreisbach, Charles A., assignor to New Haven Sand Blast Company, New Haven, Conn. Sand-blast apparatus. No. 1,093,551; Apr. 14; Gaz. vol. 201; p. 518.
 Dreiske, William D., Chicago, Ill. Combined window lock and adjuster. No. 1,104,973; July 28; Gaz. vol. 204; p. 1091.
 Drenan, Harry W. (See Youngman and Drenan.)
 Drennan, Moses H., St. Louis, Mo. Holder for nursing-bottles. No. 1,117,008; Nov. 10; Gaz. vol. 208; p. 577.
 Drennan, William, Brooklyn, N. Y. Game apparatus. No. 1,110,117; Sept. 8; Gaz. vol. 206; p. 489.
 Drennon, Raleigh E., Atlanta, Ga. Gas-engine valve. No. 1,084,410; Jan. 13; Gaz. vol. 198; p. 411.
 Dresbach, Harry V. and W. O. Joplin, Mo. Oil-burner. No. 1,115,414; Oct. 27; Gaz. vol. 207; p. 1187.
 Dresbach, William O. (See Dresbach, Harry V. and W. O.)

Alphabetical list of patentees—Continued.

- Dreses, Henry, and E. J. Spaeth, assignors to Dreses Machine Tool Co., Cincinnati, Ohio. Radial drill. No. 1,095,828; May 5; Gaz. vol. 202; p. 223.
- Dreses Machine Tool Co. (See Dreses and Spaeth, assignors.)
- Dressel, Frederick W., New York, N. Y., assignor to The Dressel Railway Lamp Works. Convertible signal-lamp. No. 1,122,197; Dec. 22; Gaz. vol. 209; p. 1266.
- Dressel Railway Lamp Works, The. (See Dressel, Frederick W., assignor.)
- Dressel Railway Lamp Works. (See Eklund, Gustav, assignor.)
- Dressel Railway Lamp Works, The. (See Wilkie, Fred, assignor.)
- Dresser, Frank A., Lyndon Center, assignor of one-half to W. A. Lyon, Lyndonville, Vt. Hoof-rectifying attachment for horseshoes. No. 1,090,116; Mar. 10; Gaz. vol. 200; p. 542.
- Dresser, Solomon R., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Clamping-ring for pipe-couplings. No. 1,107,595; Aug. 18; Gaz. vol. 205; p. 796.
- Dressler, Conrad, Marlow, England. Oven suitable for use in the manufacture of tiles, pottery, and analogous ware and for other purposes. No. 1,116,036; Nov. 3; Gaz. vol. 208; p. 195.
- Dressmann, Robert, Covington, Ky. Mechanical starter for internal-combustion engines. No. 1,112,898; Oct. 6; Gaz. vol. 207; p. 169.
- Dreux, Alexander H. (See Smith and Dreux.)
- Drevitson, Carl B., Somerville, assignor of one-half to J. W. Davies, Reading, Mass. Skate. No. 1,115,790; Nov. 3; Gaz. vol. 208; p. 108.
- Drew Carrier Company. (See Wagner, Victor, assignor.)
- Drew, Nicholas, Mora, Minn. Potato-digger. No. 1,096,610; May 12; Gaz. vol. 202; p. 524.
- Drew, Warren F., assignor, by mesne assignments, to Rotico Fitting and Supply Company, New York, N. Y. Valve. No. 1,091,048; Mar. 24; Gaz. vol. 200; p. 937.
- Drew, Warren F., Bordentown, N. J., assignor to Rotico Fitting & Supply Company, New York, N. Y. Flush-tank. No. 1,115,791; Nov. 3; Gaz. vol. 208; p. 109.
- Drew, Warren F., assignor to H. Hammond, New York, N. Y. Lock for valves. No. 1,115,792; Nov. 3; Gaz. vol. 208; p. 109.
- Drew, William T., Mount Vernon, assignor to New York Improved Meter Company, New York, N. Y. Closure for metallic receptacles. No. 1,115,415; Oct. 27; Gaz. vol. 207; p. 1187.
- Drewell, Heinrich, Charlottenburg, Germany. Band-perforating apparatus. No. 1,106,638; Aug. 11; Gaz. vol. 205; p. 412.
- Drewell, Heinrich, assignor to Schnellsetzmaschinen-Gesellschaft mit beschränkter Haftung, Charlottenburg, Germany. Line-casting machine. No. 1,097,707; May 26; Gaz. vol. 202; p. 993.
- Drewelow, Albert C., New Hampton, Iowa. Whip-hanger. No. 1,120,182; Dec. 8; Gaz. vol. 209; p. 478.
- Drewitz, Albert, Syracuse, N. Y. Receptacle-closure. No. 1,106,032; Aug. 4; Gaz. vol. 205; p. 157.
- Drewsen, Viggo, New York, N. Y. Apparatus for making bisulfite liquor using pyrites. No. 1,119,004; Dec. 1; Gaz. vol. 209; p. 35.
- Dreyer, James F., Frankfort, Ind. Game apparatus. No. 1,121,389; Dec. 22; Gaz. vol. 209; p. 1197.
- Dreyfoos, Alexander W., Mount Vernon, N. Y., assignor of one-half to H. Obstfeld, Newark, N. J. Photographic-printing machine. No. 1,099,694; June 9; Gaz. vol. 203; p. 499.
- Dreyfoos, Alexander W., Mount Vernon, N. Y., assignor of one-half to H. Obstfeld, Newark, N. J. Vignetter. No. 1,118,640; Nov. 24; Gaz. vol. 208; p. 1228.
- Dreyfus, Ludwig, Nieder-Schönhausen, Germany, assignor to General Electric Company. System of control. No. 1,087,355; Feb. 17; Gaz. vol. 199; p. 713.
- Dreyfus, Ludwig, and F. Hillebrand, Niederschönhausen, Germany, assignors to General Electric Company. Alternating-current dynamo-electric machine. No. 1,115,289; Oct. 27; Gaz. vol. 207; p. 1144.
- Dreyfus, Victoria A. (See Hedgdon, Mead, assignor.)
- Driebusch, Otto P., Medford, Wis. Lock. No. 1,105,632; Aug. 4; Gaz. vol. 205; p. 16.
- Drinkhouse, Samuel B., Denver, Colo. Siphon. No. 1,088,973; Mar. 3; Gaz. vol. 200; p. 103.
- Driscoll, Charles C., assignor of one-half to F. S. Parke, Chicago, Ill. Watering device for poultry and animals. No. 1,113,206; Oct. 13; Gaz. vol. 207; p. 319.
- Driscoll, Dennis L., Covina, Cal. Safety tubing-anchor. No. 1,118,538; Nov. 24; Gaz. vol. 208; p. 1192.
- Driscoll, Roy A., Ensley, Ala. Gate. No. 1,098,235; May 26; Gaz. vol. 202; p. 1178.
- Driver, Boen J., Winslow, Ariz. Coin-controlled advertising device. No. 1,097,541; May 19; Gaz. vol. 202; p. 890.
- Driver, Frank H., *et al.* (See Fahrney, John J., assignor.)
- Driver, John W. (See Harris and Driver.)
- Driver, Theodore P., Melrose, Mass. Light-shield. No. 1,089,539; Mar. 10; Gaz. vol. 200; p. 345.
- Driver, Theodore P., Melrose, Mass. Electric lamp. No. 1,111,956; Sept. 29; Gaz. vol. 206; p. 1249.
- Drocar, Paul, Tarrs, Pa. Parachute. No. 1,121,616; Dec. 22; Gaz. vol. 209; p. 1064.
- Drocar, Paul, Tarrs, Pa. Floating platform for ships. No. 1,121,617; Dec. 22; Gaz. vol. 209; p. 1064.
- Drohan, Edward R., Lynn, Mass. Umbrella. No. 1,107,415; Aug. 18; Gaz. vol. 205; p. 733.
- Droitcour, Michael A. (See Stevens and Droitcour.)
- Drolson, Nels, Superior, Wis. Running-board structure of box-cars. No. 1,113,888; Oct. 13; Gaz. vol. 207; p. 559.
- Dromgold, Loy S. (See Thompson and Dromgold.)
- Dronsfield, James, Oldham, England. Means for dressing or resetting and grinding the teeth of lick-in or taker-in rollers used in carding-engines. No. 1,086,658; Feb. 10; Gaz. vol. 199; p. 422.
- Drop-a-Line Indicator Co. (See Downey, Richard F., assignor.)
- Drosin, Louis, *et al.* (See Grabau, Hans E., assignor.)
- Drosin, Louis, New York, N. Y. Bottle-holder for chloroform-inhalers. No. 1,091,308; Mar. 24; Gaz. vol. 200; p. 1025.
- Dross, Phillip. (See McLean and Dross.)
- Drover, John, Chelsea, Mass. Boat hoisting and lowering device. No. 1,085,803; Feb. 3; Gaz. vol. 199; p. 81.
- Droz, Earl L., Colville, Wash. Fender. No. 1,107,046; Aug. 11; Gaz. vol. 205; p. 552.
- Droz, Frederick A., Fair Oaks, Pa. Packing-box. No. 1,100,716; June 23; Gaz. vol. 203; p. 939.
- Druckerman, Max, Brooklyn, N. Y. Circular embroidery-seam. No. 1,083,601; Jan. 6; Gaz. vol. 198; p. 113.
- Druckerman, Max, Brooklyn, N. Y. Circular embroidery-seam. No. 1,083,602; Jan. 6; Gaz. vol. 198; p. 114.
- Druckerman, Max, Brooklyn, N. Y. Automatic stitch-controller. No. 1,089,751; Mar. 10; Gaz. vol. 200; p. 418.
- Druckerman, Max, Brooklyn, N. Y. Circular seam for sewed articles. No. 1,091,428; Mar. 24; Gaz. vol. 200; p. 1063.
- Druckerman, Max, Brooklyn, N. Y. Sewing-machine. No. 1,108,347; Aug. 25; Gaz. vol. 205; p. 1106.
- Druckerman, Max, Brooklyn, N. Y. Sewing-machine. No. 1,108,348; Aug. 25; Gaz. vol. 205; p. 1106.
- Druckerman, Max, Brooklyn, N. Y. Puncture-proof vehicle-wheel. No. 1,121,235; Dec. 15; Gaz. vol. 209; p. 896.
- Drueding Brothers Company. (See Drueding, Casper, assignor.)
- Drueding, Casper, assignor to Drueding Brothers Company, Philadelphia, Pa. Skin-stretching board. No. 1,118,641; Nov. 24; Gaz. vol. 208; p. 1228.
- Druet, Louis F. A., and G. Larraburu, Paris, France; said Druet assignor to said Larraburu. Baker's oven. No. 1,119,253; Dec. 1; Gaz. vol. 209; p. 121.
- Druffel, Herman J., Chicago, Ill. Adjustable shade-roller support. No. 1,088,217; Feb. 24; Gaz. vol. 199; p. 1060.
- Drum, Alphonsus L., Highland Park, Ill. Terminal construction. No. 1,084,849; Jan. 20; Gaz. vol. 198; p. 589.
- Drumm, Ambrose, Brillion, Wis. Horse hay-fork. No. 1,097,853; May 26; Gaz. vol. 202; p. 1044.
- Drummond, Grey. (See Bennett and Drummond.)
- Drummond, Robert S., assignor to Detroit Steel Products Company, Detroit, Mich. Expansion-joint for metallic window-sashes. No. 1,092,476; Apr. 7; Gaz. vol. 201; p. 123.
- Drummond, Robert S., assignor to Detroit Steel Products Company, Detroit, Mich. Metallic window-sash. No. 1,095,561; May 5; Gaz. vol. 202; p. 133.
- Drummond, Roy, Seattle, Wash. Wrench. No. 1,106,932; Aug. 11; Gaz. vol. 205; p. 515.
- Drummond, William T. (See Payne and Drummond.)
- Drumtra, Adam. (See Cobb and Drumtra.)
- Drury, Richard, Liverpool, England. Life-belt. No. 1,109,907; Sept. 8; Gaz. vol. 206; p. 412.
- Druschke, Julius C., Houston, Tex. Adding-machine. No. 1,120,138; Dec. 8; Gaz. vol. 209; p. 462.
- Dryfoos, Moses. (See De Force and Dryfoos.)
- Drynan, Lucretia A., Danforth, Ill. Combined strainer and sifter. No. 1,091,737; Mar. 31; Gaz. vol. 200; p. 1213.
- Drysdale, Bruce, assignor of one-fourth to J. W. Mason, one-fourth to J. W. Hulton, and one-fourth to W. Hulton, Philadelphia, Pa. Carbureter. No. 1,088,974; Mar. 3; Gaz. vol. 200; p. 104.
- Dryvers, Urbain, Paris, France. Mechanical piano. No. 1,113,889; Oct. 13; Gaz. vol. 207; p. 559.
- Du Bosque, Francis L., Spring Lake, N. J. Ferry-bridge. No. 1,118,113; Nov. 24; Gaz. vol. 208; p. 1043.
- Du Brul, Albert. (See Du Brul, Napoleon and A.)
- Du Brul, Napoleon, assignor to The Miller Du Brul & Peters Manufacturing Co., Cincinnati, Ohio. Cigar mold. No. 1,118,747; Nov. 24; Gaz. vol. 208; p. 1264.
- Du Brul, Napoleon, Cincinnati, Ohio, and A. Du Brul, Fort Thomas, Ky., assignors to The Miller Du Brul and Peters Mfg Co., Cincinnati, Ohio. Carding tobacco. No. 1,107,047; Aug. 11; Gaz. vol. 205; p. 552.
- Du Pont, Eleuthere P., Wilmington, Del. Machine for attaching hooks and eyes to cloth. No. 1,102,021; June 30; Gaz. vol. 203; p. 1445.
- Du Pont, Ernest. (See Du Pont, Francis I. and E.)

Alphabetical list of patentees—Continued.

- Du Pont, Francis I., Wilmington, Del. Apparatus for forming explosive powder into spherical grains. No. 1,106,138; Aug. 4; Gaz. vol. 205; p. 194.
- Du Pont, Francis I., Wilmington, Del. Apparatus for graining explosive powder. No. 1,116,040; Nov. 3; Gaz. vol. 208; p. 196.
- Du Pont, Francis I., Wilmington, Del., assignor to International Haloid Company. Apparatus for liquid separation of solids. No. 1,106,195; Aug. 4; Gaz. vol. 205; p. 213.
- Du Pont, Francis I. and E., Wilmington, Del. Forming explosive black powder into spherical grains. No. 1,106,087; Aug. 4; Gaz. vol. 205; p. 175.
- Du Puy, Alfred, Oak Park, Ill. Fountain-brush. No. 1,100,962; June 23; Gaz. vol. 203; p. 1026.
- Du Ree, Squire F., Longbeach, Cal. Traffic-lantern. No. 1,084,411; Jan. 13; Gaz. vol. 198; p. 411.
- Du Roth, John. (See Heinz and Du Roth.)
- Du Val, Raymond B., Richmond, Va. Folding paper box. (Reissue.) No. 13,845; Dec. 15; Gaz. vol. 209; p. 1023.
- Dubail, Jules, Delle, France. Gage for verifying the dimensions of screws and screw-threads. No. 1,092,827; Apr. 14; Gaz. vol. 201; p. 277.
- Dubbs, Jesse A., Pittsburgh, Pa., assignor to R. J. Dunham, Chicago, Ill. Treating oil. No. 1,100,717; June 23; Gaz. vol. 203; p. 939.
- Dübelwerke Gesellschaft mit beschränkter Haftung. (See Müller and Kayser, assignors.)
- Dubilier, William, Brooklyn, N. Y. Electrode device for high-frequency apparatus. No. 1,121,077; Dec. 15; Gaz. vol. 209; p. 842.
- Dubocq, William, New York, N. Y. Street-sweeper. No. 1,122,702; Dec. 29; Gaz. vol. 209; p. 1481.
- Dubois, Alexander N., Philadelphia, Pa. Lisleing and dyeing vegetable fabrics. No. 1,116,397; Nov. 10; Gaz. vol. 208; p. 357.
- Dubois, George, Chicago, Ill. Boat. No. 1,084,320; Jan. 13; Gaz. vol. 198; p. 383.
- Dubois, George, Chicago, Ill. Collapsible boat. No. 1,117,350; Nov. 17; Gaz. vol. 208; p. 737.
- Dubois Watch Case Company. (See Depollier and Duncuff, assignors.)
- Dubrue, Joseph H., East Hartford, Conn. Dado-machine. No. 1,096,611; May 12; Gaz. vol. 202; p. 524.
- Duc, Henry A., Jr., Charleston, S. C. Self-rotating propeller. No. 1,099,083; June 2; Gaz. vol. 203; p. 242.
- Duchene, Zephire L., Kankakee, Ill. Package-tie. No. 1,090,696; Mar. 17; Gaz. vol. 200; p. 785.
- Duchez, Jerome M., Sacramento, Cal. Convertible table. No. 1,103,869; July 14; Gaz. vol. 204; p. 620.
- Duckett, Robert. (See Morrison, James W., assignor.)
- Duckman, Harry, *et al.* (See Porto, Patrick, assignor.)
- Duckwall, Edward W., Aspinwall, Pa. Preventing the spoilage of canned foods. No. 1,114,972; Oct. 27; Gaz. vol. 207; p. 1032.
- Duckworth, Joseph C., Williamston, S. C. Key for rotary elements. No. 1,103,403; July 14; Gaz. vol. 204; p. 455.
- Duckworth, Ormerod, Norristown, Pa. Pillow. No. 1,098,236; May 26; Gaz. vol. 202; p. 1179.
- Duclos, Cyrien. (See Erquhart and Duclos.)
- Duco Adding Machine Company, The. (See Reller, Edwin L., assignor.)
- Ducro, Lewis, assignor of one-half to E. A. O'Neil, Cleveland, Ohio, and one-half to C. W. Fishley and W. J. Ockington. Ball-caster. No. 1,094,782; Apr. 28; Gaz. vol. 201; p. 1042.
- Duesay, Steve, Canonsburg, Pa. Sash-holder. No. 1,093,387; Apr. 14; Gaz. vol. 201; p. 469.
- Dudash, Joseph, Philadelphia, Pa. Speed-boat. No. 1,112,057; Sept. 29; Gaz. vol. 206; p. 1283.
- Dudderar, Daniel W., Mount Airy, Md. Heating apparatus for motor-vehicles. No. 1,091,816; Mar. 31; Gaz. vol. 200; p. 1242.
- Dudfield, Alvin, Liberty, Mo. Crayon-trough. No. 1,088,886; Mar. 3; Gaz. vol. 200; p. 73.
- Dudgeon, Addebert, Latrobe, Pa. Saw set and jointer. No. 1,090,035; Mar. 10; Gaz. vol. 200; p. 514.
- Dudgeon, Addebert, Latrobe, Pa. Double-acting ratchet-handle for lifting-jacks. No. 1,091,817; Mar. 31; Gaz. vol. 200; p. 1243.
- Dudgeon, Addebert, assignor of one-fourth to J. H. Willoughby and one-eighth to A. E. Ewing, Latrobe, Pa. Compressor. No. 1,122,085; Dec. 22; Gaz. vol. 209; p. 1230.
- Dudgeon, Thomas M., Avalon, Pa. Garbage-can. No. 1,100,012; June 16; Gaz. vol. 203; p. 644.
- Dudley, Asa L., and J. J. Schmidt, Glenville, Nebr. Manure-spreader. No. 1,108,150; Aug. 25; Gaz. vol. 205; p. 1037.
- Dudley, Carol, San Diego, Cal. Bib. No. 1,108,557; Aug. 25; Gaz. vol. 205; p. 1180.
- Dudley, Jessie D., Barry, Ill. Clamping device. No. 1,112,990; Oct. 6; Gaz. vol. 207; p. 201.
- Dudley, Joseph G. (See Meadows, Harold G., assignor.)
- Dudley, Raymond C. (See Carscadin and Woodman, assignors.)
- Dudley, Raymond C., Chicago, Ill. Car-roof. No. 1,109,324; Sept. 1; Gaz. vol. 206; p. 166.
- Dudley, Sarah E. (See Thurston and Dudley.)
- Dudley, Sumner A., Taunton, Mass. Hand-threading shuttle. No. 1,122,880; Dec. 29; Gaz. vol. 209; p. 1544.
- Dudley, Thomas J., Dallas, Tex. Draft-equalizer. No. 1,109,908; Sept. 8; Gaz. vol. 206; p. 413.
- Dueber, Martin, assignor of one-half to W. F. Quigley, Tipton, Mo. Feeder for grain-drills. No. 1,112,275; Sept. 29; Gaz. vol. 206; p. 1360.
- Duecker, William, Memphis, Tenn. Leather-stretcher. No. 1,120,798; Dec. 15; Gaz. vol. 209; p. 744.
- Duff Manufacturing Company, The. (See Hindman, Isaiah E., assignor.)
- Duff, Ralph A., Nebraska City, Nebr. Carbureter. No. 1,120,183; Dec. 8; Gaz. vol. 209; p. 478.
- Duff, Ralph A., Nebraska City, Nebr. Carbureter. No. 1,120,184; Dec. 8; Gaz. vol. 209; p. 479.
- Duff, Ralph A., Nebraska City, Nebr. Carbureter. No. 1,120,185; Dec. 8; Gaz. vol. 209; p. 479.
- Duffield, Thomas C., assignor to Parker Brothers Glass Manufacturing Company, Bridgeton, N. J. Bottle-blowing machine. No. 1,087,283; Feb. 17; Gaz. vol. 199; p. 689.
- Duffy, Anthony, Philadelphia, Pa. Hacksaw. No. 1,087,648; Feb. 17; Gaz. vol. 199; p. 818.
- Duffy, Burnley S., Elkton, Ky. Banana-rack for cars. No. 1,106,288; Aug. 4; Gaz. vol. 205; p. 242.
- Duffy, Charles G., New York, N. Y. Display-cabinet. No. 1,096,023; May 12; Gaz. vol. 202; p. 325.
- Duffy, Edward S., Chicago, Ill. Waste-outlet. No. 1,111,886; Sept. 29; Gaz. vol. 206; p. 1229.
- Duffy, James P. B. (See Murphy, Thomas J., assignor.)
- Duffy, James S., Peoria, Ill. Level. No. 1,083,997; Jan. 13; Gaz. vol. 198; p. 273.
- Duffy, Joseph D., assignor of one-half to E. Puff, St. Cloud, Minn. Nut-lock. No. 1,087,740; Feb. 17; Gaz. vol. 199; p. 850.
- Duffy, Thomas F., *et al.* (See Ryan, Patrick, assignor.)
- Duffy, Thomas I., Chicago, Ill. Tire-carrier. No. 1,092,811; Apr. 7; Gaz. vol. 201; p. 236.
- Duffy, Thomas I., assignor to E. C. Sales Co., Chicago, Ill. Tire-carrier bracket. No. 1,092,566; Apr. 7; Gaz. vol. 201; p. 152.
- Duffy, Thomas I., assignor to E. C. Sales Co., Chicago, Ill. Tire-carrier and lamp-supporting bracket. No. 1,104,173; July 21; Gaz. vol. 204; p. 765.
- Duffy, Thomas I., assignor to E. C. Sales Co., Chicago, Ill. Rear axle for motor-vehicles. No. 1,104,174; July 21; Gaz. vol. 204; p. 766.
- Duffy, Thomas I., assignor to Ellsworth & Cross, Chicago, Ill. Demountable wheel. No. 1,099,169; June 9; Gaz. vol. 203; p. 317.
- Dufield, Henry A., *et al.* (See Hodson, Edwin, assignor.)
- Duffoth, Gottlieb G., Tolstoy, S. D. Tank-gage. No. 1,106,552; Aug. 11; Gaz. vol. 205; p. 382.
- Dufner, Albert A., Des Moines, Iowa. Vegetable-cutter. No. 1,112,991; Oct. 6; Gaz. vol. 207; p. 201.
- Dufour, Charles C., Butler, Pa. Car-roof. No. 1,116,037; Nov. 3; Gaz. vol. 208; p. 195.
- Dufour, Léon, Geneva, Switzerland. Shock-absorber. No. 1,099,640; June 9; Gaz. vol. 203; p. 479.
- Dufresne, Joseph, Montreal, Quebec, Canada. Shuttle-threader. No. 1,093,837; Apr. 21; Gaz. vol. 201; p. 660.
- Dugan, John, Hartington, Nebr. Measure-indicating device for bolts of cloth or similar fabrics. No. 1,084,412; Jan. 13; Gaz. vol. 198; p. 412.
- Dugan, John W., St. Louis, Mo. Can. No. 1,100,961; June 23; Gaz. vol. 203; p. 1025.
- Dugan, Peter J., New York, N. Y. Valve. No. 1,112,992; Oct. 6; Gaz. vol. 207; p. 203.
- Dugan, Rudolph. (See Norton, Eugene E., assignor.)
- Duggan, Christopher J., assignor of one-half to R. J. Farrell, Chicago, Ill. Perforating-machine. No. 1,083,484; Jan. 6; Gaz. vol. 198; p. 75.
- Duggan, Thomas R., assignor to The Permutit Company, New York, N. Y. Producing reactive zeolites. No. 1,116,038; Nov. 3; Gaz. vol. 208; p. 196.
- Dugger, Shepherd M., Banner Elk, N. C. Level. No. 1,116,577; Nov. 10; Gaz. vol. 208; p. 423.
- Duhem, Victor L., Oakland, Cal., assignor to Vim Motion Picture Company. Motion-picture machine. No. 1,108,838; Aug. 25; Gaz. vol. 205; p. 1275.
- Duhrkopf, Frank, assignor of one-third to C. E. Coonradt and one-third to A. F. Coonradt, Coeur d'Alene, Idaho. Ice-creeper. No. 1,087,000; Feb. 10; Gaz. vol. 199; p. 539.
- Duis, Albert, Streator, Ill. Acetylene-gas generator. No. 1,088,064; Feb. 24; Gaz. vol. 199; p. 1007.
- Duis, Albert, Streator, Ill. Gas-washer for acetylene-generators. No. 1,108,978; Sept. 1; Gaz. vol. 206; p. 42.
- Duis, Albert, Streator, Ill. Reserve carbid-holder for acetylene-gas generators. No. 1,108,979; Sept. 1; Gaz. vol. 206; p. 43.
- Dujat, John C., assignor of one-half to A. F. Wenige, New York, N. Y. Spigot. No. 1,087,001; Feb. 10; Gaz. vol. 199; p. 540.
- Duke, Joseph, Seattle, Wash. Bedstead-joint. No. 1,122,265; Dec. 29; Gaz. vol. 209; p. 1331.
- Dukesmith Air Brake Company, The. (See Dukesmith, Frank H., assignor.)

Alphabetical list of patentees—Continued.

- Dukesmith, Frank H., Meadville, assignor to T. C. Van Horne, Pittsburgh, Pa. Air-brake system. No. 1,092,812; Apr. 7; Gaz. vol. 201; p. 236.
- Dukesmith, Frank H., Meadville, assignor to T. C. Van Horne, Pittsburgh, Pa. Double-heading air-brake system. No. 1,102,020; June 30; Gaz. vol. 203; p. 1444.
- Dukesmith, Frank H., assignor to The Dukesmith Air Brake Company, Pittsburgh, Pa. Triple valve. No. 1,099,286; June 9; Gaz. vol. 203; p. 357.
- Dukesmith, Frank H., assignor to The Dukesmith Air Brake Company, Pittsburgh, Pa. Control-valve for triple valves. No. 1,099,287; June 9; Gaz. vol. 203; p. 357.
- Dulany, William T., Jr., Arlington, N. J. Wheel. No. 1,101,791; June 30; Gaz. vol. 203; p. 1362.
- Dulgeroff, Atanas P., Granite City, Ill. Combination ironing-board and step-ladder. No. 1,117,645; Nov. 17; Gaz. vol. 208; p. 840.
- Dulin, William T., Philadelphia, Pa. Paper-bag machine. No. 1,121,078; Dec. 15; Gaz. vol. 209; p. 842.
- Dulk, Peter, Jr., Elizabeth, N. J. Making piston-rings. No. 1,121,336; Dec. 15; Gaz. vol. 209; p. 932.
- Dull, Edgar H., Handley, W. Va. Angle-bar. No. 1,085,553; Jan. 27; Gaz. vol. 198; p. 862.
- Dull, Lester M., Los Angeles, Cal. Lamp-ignition device. No. 1,089,540; Mar. 10; Gaz. vol. 200; p. 346.
- Dull, Lester M., Los Angeles, Cal. Carbureter. No. 1,122,703; Dec. 29; Gaz. vol. 209; p. 1481.
- Dull, Raymond W., Aurora, Ill. Separator. No. 1,100,059; June 16; Gaz. vol. 203; p. 659.
- Dulles-Baldwin Electric Drill Company. (See Baldwin, James H., assignor.)
- Dulles-Baldwin Electric Drill Company. (See Baldwin and Darte, assignors.)
- Dulli, Fredrick. (See Singer and Dulli.)
- Dullin, Adolph C., San Antonio, Tex. Tub-holder. No. 1,094,644; Apr. 28; Gaz. vol. 201; p. 992.
- Duluth Corrugating & Roofing Company. (See McMartin, Malcolm J., assignor.)
- Dulz, Herman, assignor of one-fourth to C. E. Grant, Detroit, Mich. Stove. No. 1,113,760; Oct. 13; Gaz. vol. 207; p. 514.
- Dumas, Frank, Burke, N. Y. Washing-machine. No. 1,093,689; Apr. 21; Gaz. vol. 201; p. 611.
- Dumas, George V., Cambridge, Mass. Musical instrument. No. 1,100,422; June 16; Gaz. vol. 203; p. 787.
- Dumbauld, Frederick H., deceased, McCune, Kans.; J. A. Brumbaugh, administrator. Mold for concrete cisterns, &c. No. 1,088,218; Feb. 24; Gaz. vol. 199; p. 1060.
- Dumesnil, Paul, Paris, France. Blowpipe. No. 1,107,272; Aug. 18; Gaz. vol. 205; p. 681.
- Dummer, Edward L. (See Davison and Dummer.)
- Dumont, Gustave, Paris, France. Friction-drive mechanism for automobiles. No. 1,096,803; May 12; Gaz. vol. 202; p. 590.
- Dun, Effingham C., Vista Alegre, Santiago, Cuba. Evaporating-accelerator. No. 1,110,752; Sept. 15; Gaz. vol. 206; p. 752.
- Dunagan, Mary B., Portland, Oreg. Hose-support. No. 1,110,753; Sept. 15; Gaz. vol. 206; p. 753.
- Dunahugh, Victor D., and H. Crouthamel, Chicago, Ill.; said Dunahugh assignor to said Crouthamel. Baker's oven. No. 1,086,034; Feb. 3; Gaz. vol. 199; p. 163.
- Dunbar, Charles L., Lebanon, N. H. Power equipment for reversing-valves of locomotive-engines. No. 1,118,480; Nov. 24; Gaz. vol. 208; p. 1173.
- Dunbar, Clifford L., Detroit, Mich. Sheet-metal structural element. No. 1,096,612; May 12; Gaz. vol. 202; p. 525.
- Dunbar, Everett H., Lynn, Mass. Shoe-last. No. 1,121,236; Dec. 15; Gaz. vol. 209; p. 897.
- Dunbar, Frank G. (See Sargent and Dunbar.)
- Dunbar, Frank G., assignor to Sargent Company, Chicago, Ill. Lubricator-glass shield. No. 1,104,974; July 28; Gaz. vol. 204; p. 1092.
- Dunbar, G. Edwin. (See Parrish, Homer A., assignor.)
- Dunbar, Oris K., Centerville, Ind. Hay-rack clamp. No. 1,097,011; May 19; Gaz. vol. 202; p. 705.
- Dunbaugh, George J. (See Reed and Dunbaugh.)
- Duncan, Alexander G., Joliet, Ill. Still. No. 1,116,578; Nov. 10; Gaz. vol. 208; p. 424.
- Duncan, Arthur L., assignor of one-third to C. E. Forry and one-third to E. H. Duncan, Fruitvale, Cal. Apparatus for processing and preparing food products. No. 1,085,852; Feb. 3; Gaz. vol. 199; p. 97.
- Duncan Bros. and Wray Company. (See Duncan, Fred J., assignor.)
- Duncan, Charles E., Sault Ste. Marie, Ontario, Canada. Rolling-mill. No. 1,109,211; Sept. 1; Gaz. vol. 206; p. 126.
- Duncan, Claude J. and O. F., Gridley, Kans. Feeder. No. 1,114,681; Oct. 20; Gaz. vol. 207; p. 876.
- Duncan, Edwin H., et al. (See Duncan, Arthur L., assignor.)
- Duncan, Fred J., assignor to Duncan Bros. and Wray Company, Ludlow Falls, Ohio. Floor-scraper. No. 1,115,517; Nov. 3; Gaz. vol. 208; p. 18.
- Duncan, Gavin, Walla Walla, Wash. Automobile device. No. 1,088,554; Feb. 24; Gaz. vol. 199; p. 1171.
- Duncan, Harry L., New York, N. Y. Making cement. No. 1,113,606; Oct. 13; Gaz. vol. 207; p. 459.
- Duncan, Harry L., New York, N. Y. Apparatus for making cement. No. 1,113,933; Oct. 13; Gaz. vol. 207; p. 573.
- Duncan, James L., Somerville, assignor to Dotten-Dunton Desk Company, Boston, Mass. Cabinet for type-writing machines. No. 1,122,372; Dec. 29; Gaz. vol. 209; p. 1365.
- Duncan, Jay R., Good Thunder, Minn. Toy. No. 1,108,725; Aug. 25; Gaz. vol. 205; p. 1236.
- Duncan, John A., Jr., St. Joseph, Mo. Camera-shutter. No. 1,117,009; Nov. 10; Gaz. vol. 208; p. 577.
- Duncan, John C., Benton, Ill. Automatic car-coupling. No. 1,119,254; Dec. 1; Gaz. vol. 209; p. 122.
- Duncan, John C., Benton, Ill. By-pass valve for pressure-reducing valves. No. 1,120,918; Dec. 15; Gaz. vol. 209; p. 787.
- Duncan, Joseph S., et al. (See Hughes, Davydd C., assignor.)
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Printing device. No. 1,084,696; Jan. 20; Gaz. vol. 198; p. 537.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Printing device. No. 1,087,223; Feb. 17; Gaz. vol. 199; p. 668.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Making printing devices. No. 1,096,494; May 12; Gaz. vol. 202; p. 486.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Printing device. No. 1,096,495; May 12; Gaz. vol. 202; p. 486.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Addressing-machine. No. 1,102,396; July 7; Gaz. vol. 204; p. 61.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Type-die. No. 1,102,397; July 7; Gaz. vol. 204; p. 61.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Type-die. No. 1,102,398; July 7; Gaz. vol. 204; p. 62.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Addressing-machine. No. 1,110,118; Sept. 8; Gaz. vol. 206; p. 490.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Machine for curving printing-plates. No. 1,111,143; Sept. 22; Gaz. vol. 206; p. 933.
- Duncan, Lester C., Lenia, Idaho. Speed-indicator. No. 1,092,828; Apr. 14; Gaz. vol. 201; p. 277.
- Duncan, Lester C., Lenia, Idaho. Speedoscope. No. 1,105,411; July 28; Gaz. vol. 204; p. 1246.
- Duncan, Orvil F. (See Duncan, Claude J. and O. F.)
- Duncan, Otis B., Chicago, Ill., assignor to George Cutter Company, South Bend, Ind. Motor-switch. No. 1,106,639; Aug. 11; Gaz. vol. 205; p. 413.
- Duncan, Richard, Crofton, Nebr. Folding bed-spring. No. 1,113,316; Oct. 13; Gaz. vol. 207; p. 358.
- Duncan, Walter B., Paris, Tex. Tug-clip. No. 1,093,173; Apr. 14; Gaz. vol. 201; p. 396.
- Duncan, William M., Alton, Ill. Mechanical stoker. No. 1,088,772; Mar. 3; Gaz. vol. 200; p. 33.
- Duncan, William M., Alton, Ill. Furnace-grate. No. 1,088,773; Mar. 3; Gaz. vol. 200; p. 34.
- Duncuff, Edward C. (See Depollier and Duncuff.)
- Dundas, Roy C., Los Angeles, Cal. Distilling apparatus. No. 1,120,039; Dec. 8; Gaz. vol. 209; p. 428.
- Dunderdale, Herbert, assignor to Chicago Standard Equipment Company, Chicago, Ill. Ladder. No. 1,118,404; Nov. 24; Gaz. vol. 208; p. 1144.
- Dundon, Patrick F., San Francisco, Cal. Incinerating-furnace. No. 1,095,493; May 5; Gaz. vol. 202; p. 110.
- Dunford, John W., assignor to Reese-Herrin Company, Atlanta, Ga. Paint compound. No. 1,091,309; Mar. 24; Gaz. vol. 200; p. 1025.
- Dungan, Elmer E., Philadelphia, and D. B. Johnson, Ambler, Pa. Sphere-testing device. No. 1,099,917; June 16; Gaz. vol. 203; p. 610.
- Dunham, Bert G., Urbana, Ohio, assignor, by mesne assignments, to Western Electric Company, New York, N. Y. Automatic telephone system. No. 1,103,572; July 14; Gaz. vol. 204; p. 516.
- Dunham, Charles W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric bell. No. 1,117,484; Nov. 17; Gaz. vol. 208; p. 783.
- Dunham, Charles W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Holding device for instruments. No. 1,120,040; Dec. 8; Gaz. vol. 209; p. 428.
- Dunham Company, The. (See Budlong, Wilbur F., assignor.)
- Dunham Company, The. (See Dunham, Wiley J., assignor.)
- Dunham Company, The. (See Karl, George E., assignor.)
- Dunham Company, The. (See Merkel and Dunham, assignors.)
- Dunham, George, Unionville, Conn., assignor to C. H. Osborne, New York, N. Y. Metal-shaving apparatus. No. 1,121,003; Dec. 15; Gaz. vol. 209; p. 816.
- Dunham, George W., assignor to Saxon Motor Car Company, Detroit, Mich. Torque-tube. No. 1,101,622; June 30; Gaz. vol. 203; p. 1304.
- Dunham, George W., assignor to Saxon Motor Car Company, Detroit, Mich. Engine-lubricating system. No. 1,105,894; Aug. 4; Gaz. vol. 205; p. 107.

Alphabetical list of patentees—Continued.

- Dunham, George W., assignor to Chalmers Motor Company, Detroit, Mich. Lubricating system for combined motor and transmission units. No. 1,112,528; Oct. 6; Gaz. vol. 207; p. 41.
- Dunham, Hermon E., assignor to The Hermon E. Dunham Motor Company, Seattle, Wash. Internal-combustion engine and operating the same. No. 1,106,194; Aug. 4; Gaz. vol. 205; p. 213.
- Dunham, James S., Birmingham, Mich. Package-carrier for vehicles. No. 1,116,039; Nov. 3; Gaz. vol. 208; p. 196.
- Dunham, Joseph C., Spencer, Okla. Roundabout. No. 1,121,813; Dec. 22; Gaz. vol. 209; p. 1133.
- Dunham, Millard L., New York, N. Y. Piston-ring. No. 1,103,912; July 14; Gaz. vol. 204; p. 634.
- Dunham, Ray E. (See Merkel and Dunham.)
- Dunham, Robert J. (See Dubbs, Jesse A., assignor.)
- Dunham, Samuel E., New York, N. Y. Fastener forming and driving machine. No. 1,103,404; July 14; Gaz. vol. 204; p. 456.
- Dunham, Wiley J., assignor to The Dunham Company, Berea, Ohio. Land roller or pulverizer. No. 1,094,201; Apr. 21; Gaz. vol. 201; p. 781.
- Dunham, William P., Los Angeles, Cal. Vacuum-cup-releasing device for lamps. No. 1,104,252; July 21; Gaz. vol. 204; p. 791.
- Dunigan, Peter F., Bloomfield, N. J. Shoulder-shield. No. 1,111,012; Sept. 22; Gaz. vol. 206; p. 887.
- Dunkle, Arthur S., Baltimore, Md., and G. E. Harner, Holtwood, Pa. Concrete rail-tie. No. 1,115,416; Oct. 27; Gaz. vol. 207; p. 1188.
- Dunkley Company. (See Dunkley, Samuel J., assignor.)
- Dunkley, Samuel J., assignor, by mesne assignments, to Dunkley Company, Kalamazoo, Mich. Machine for peeling peaches and other fruit. No. 1,104,175; July 21; Gaz. vol. 204; p. 766.
- Dunlap, Clarence H., Alturas, Cal. Charm. No. 1,095,829; May 5; Gaz. vol. 202; p. 223.
- Dunlap, Homer H. (See Edmiston, John D., assignor.)
- Dunlap, Howard, and R. Kaufman, Memphis, Tenn.; said Dunlap assignor to said Kaufman. Foot-rest attachment for automobile controlling-levers. No. 1,120,460; Dec. 8; Gaz. vol. 209; p. 578.
- Dunlap, Joseph B., and W. D. Bryan, Tulsa, Okla. Sucker-rod-pulling device. No. 1,109,668; Sept. 8; Gaz. vol. 206; p. 327.
- Dunlap, Samuel H., Bryan, Tex. Round-bale cotton-compress. No. 1,087,002; Feb. 10; Gaz. vol. 199; p. 540.
- Dunleavy, James F., Newton, Mass. Card-receptacle. No. 1,083,439; Jan. 6; Gaz. vol. 197; p. 61.
- Dunleavy, James F., Newton, Mass. Desk. No. 1,093,981; Apr. 21; Gaz. vol. 201; p. 706.
- Dunlop, George H., Auburn, Victoria, Australia. Excavating machinery. No. 1,098,146; May 26; Gaz. vol. 202; p. 1147.
- Dunlop, John, and J. D. Davidson, Wellsville, Ohio. Cleaning and scouring attachment for metal rolls. No. 1,094,202; Apr. 21; Gaz. vol. 201; p. 781.
- Dunlop, Robert R., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Electric brake. No. 1,091,738; Mar. 31; Gaz. vol. 200; p. 1214.
- Dunlop Rubber Company, The. (See Worthington, John V., assignor.)
- Dunlop, William F., New York, N. Y. Vapor or gas generating apparatus. No. 1,099,848; June 9; Gaz. vol. 203; p. 548.
- Dunlop, William F., New York, N. Y. Combined mouth prop and illuminator. No. 1,122,086; Dec. 22; Gaz. vol. 209; p. 1231.
- Dunmyer, Rudolph, New Brighton, Pa. Envelope-fastener. No. 1,095,562; May 5; Gaz. vol. 202; p. 134.
- Dunn, Conally L., assignor of one-half to J. E. Legard, Abingdon, Va. Lantern. No. 1,092,248; Apr. 7; Gaz. vol. 201; p. 42.
- Dunn, Daniel S., Bay City, Mich. Account-register. No. 1,094,887; Apr. 28; Gaz. vol. 201; p. 1077.
- Dunn, Emanuel W., San Francisco, Cal. Oil-burning system. No. 1,110,119; Sept. 8; Gaz. vol. 206; p. 490.
- Dunn, Emanuel W., San Francisco, Cal. Heater. No. 1,113,966; Oct. 20; Gaz. vol. 207; p. 625.
- Dunn, Frank B., Conneaut, Ohio. Brick-cutting machine. No. 1,122,704; Dec. 29; Gaz. vol. 209; p. 1482.
- Dunn, Frank P., Anderson, Ind. Vending-machine. No. 1,107,660; Aug. 18; Gaz. vol. 205; p. 820.
- Dunn, Frederick C., New York, N. Y. Massage apparatus. No. 1,091,310; Mar. 24; Gaz. vol. 200; p. 1026.
- Dunn, Gano, East Orange, assignor to Crocker-Wheeler Company, Ampere, N. J. Dynamo-electric-machine frame. No. 1,104,784; July 28; Gaz. vol. 204; p. 1025.
- Dunn, Gano, New York, N. Y., assignor to Crocker-Wheeler Company, Ampere, N. J. Motor-control system. No. 1,104,785; July 28; Gaz. vol. 204; p. 1025.
- Dunn, George F., Brockton, assignor of one-half to W. B. Arnold, North Abington, Mass. Vamp throating and marking machine. No. 1,117,955; Nov. 17; Gaz. vol. 208; p. 947.
- Dunn, George R., Elkhart, Ind. Automatic whistle. No. 1,098,943; June 2; Gaz. vol. 203; p. 199.
- Dunn, Harry E. (See Dunn, William E. and H. E.)
- Dunn, Irwin L., Long Beach, Cal. Restoring and increasing the production of oil and gas wells. No. 1,107,416; Aug. 18; Gaz. vol. 205; p. 734.
- Dunn, Irwin L., Marietta, Ohio, assignor to Petroleum Patents Company, Chicago, Ill. Increasing the production of oil-wells. No. 1,099,170; June 9; Gaz. vol. 203; p. 317.
- Dunn, James, assignor to The Warner Brothers Company, Bridgeport, Conn. Paper-box blank. No. 1,107,048; Aug. 11; Gaz. vol. 205; p. 552.
- Dunn, James R., Baltimore, Md. Bottle-closure. No. 1,083,389; Jan. 6; Gaz. vol. 198; p. 43.
- Dunn, John. (See Townsend, Robert V., assignor.)
- Dunn, John F., New York, N. Y. Buckle. No. 1,103,275; July 14; Gaz. vol. 204; p. 415.
- Dunn, Joseph, assignor of one-half to L. Courtin, Philadelphia, Pa. Shock-absorber. No. 1,083,734; Jan. 5; Gaz. vol. 198; p. 159.
- Dunn, Leslie, assignor to Hercules Tire Company, New Orleans, La. Pneumatic tire. No. 1,109,972; Sept. 8; Gaz. vol. 206; p. 436.
- Dunn, Moses H., Los Angeles, Cal. Hydrocarbon-burner. No. 1,102,329; July 7; Gaz. vol. 204; p. 38.
- Dunn, Moses H., Los Angeles, Cal. Underreamer for oil-wells. No. 1,121,907; Dec. 22; Gaz. vol. 209; p. 1168.
- Dunn, Patrick T., Cedar Rapids, Iowa. Hitching-post. No. 1,120,041; Dec. 8; Gaz. vol. 209; p. 429.
- Dunn, Sola B., Chicago, Ill. Veterinary instrument. No. 1,085,804; Feb. 3; Gaz. vol. 199; p. 81.
- Dunn, Thos. C. (See Sibley, Foster J., assignor.)
- Dunn, William A., assignor of one-half to A. M. Miller, Jr., Duluth, Minn. Wear-compensating bearing. No. 1,109,049; Sept. 1; Gaz. vol. 206; p. 68.
- Dunn, William A., Smithville, assignor of one-half to A. M. Miller, Jr., Duluth, Minn. Finishing beams. No. 1,109,050; Sept. 1; Gaz. vol. 206; p. 69.
- Dunn, William A., Smithville, assignor of one-half to A. M. Miller, Jr., Duluth, Minn. Roller-mill. No. 1,109,051; Sept. 1; Gaz. vol. 206; p. 69.
- Dunn, William E. and H. E., Chicago, Ill. Cement-tile machine. No. 1,106,086; Aug. 4; Gaz. vol. 205; p. 175.
- Dunning, Callest S. (See Clow, William C., assignor.)
- Dunning, Charles, New Orleans, La. Journal-bearing. No. 1,085,853; Feb. 3; Gaz. vol. 199; p. 97.
- Dunning, George A. (See Hartman, Harry B., assignor.)
- Dunning, Herbert S. (See Houskeeper and Dunning.)
- Dunning, Samuel H., Paterson, N. J. Rotating mechanical stoker. No. 1,118,748; Nov. 24; Gaz. vol. 208; p. 1264.
- Dunphee, Henry W., Leominster, Mass. Display-box. No. 1,104,253; July 21; Gaz. vol. 204; p. 791.
- Dunphy, James A., Groton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Eyeletting-machine. No. 1,121,990; Dec. 22; Gaz. vol. 209; p. 1197.
- Duncombe, Matthew E., Bristol, England. Valve of internal-combustion engines. No. 1,094,429; Apr. 28; Gaz. vol. 201; p. 915.
- Dunsky, Meyer. (See Amberg and Dunsky.)
- Dunson, Walker E., Lagrange, Ga. Pan-lifter. No. 1,083,808; Jan. 6; Gaz. vol. 198; p. 181.
- Duntley, John W. (See Ferguson, Leonard L., assignor.)
- Duntley Pneumatic Sweeper Company. (See Ferguson, Leonard L., assignor.)
- Duntley, William O., assignor to Chicago Pneumatic Tool Company, Chicago, Ill. Electric drill. No. 1,109,325; Sept. 1; Gaz. vol. 206; p. 166.
- Dunton, Charles H., Lodi, Cal. Fluid-pressure means for forcing fuel into internal-combustion engines. No. 1,112,124; Sept. 29; Gaz. vol. 206; p. 1305.
- Dunton, George E., New York, N. Y. Treating wax for use in the art of electrotyping. No. 1,099,492; June 9; Gaz. vol. 203; p. 428.
- Dunton, George E., New York, N. Y. Apparatus for applying a conductive coating to the surface of a mold used in electrotyping. No. 1,111,442; Sept. 22; Gaz. vol. 206; p. 1034.
- Dunton, George E., New York, N. Y. Applying a conductive coating to the surface of a mold used in electrotyping. No. 1,111,443; Sept. 22; Gaz. vol. 206; p. 1034.
- Dunton, George E., New York, N. Y. Treating molds used in electrotyping. No. 1,111,444; Sept. 22; Gaz. vol. 206; p. 1034.
- Dunton, George E., New York, N. Y. Treating molds used in electrotyping. No. 1,111,445; Sept. 22; Gaz. vol. 206; p. 1035.
- Dunton, George E., New York, N. Y. Furnace for use in electrotyping. No. 1,112,993; Oct. 6; Gaz. vol. 207; p. 202.
- Dupes, George, Knoxville, Tenn. Track adjuster or indicator. No. 1,096,357; May 12; Gaz. vol. 202; p. 441.
- Dupler, John C., Marietta, Pa. Molding-flask. No. 1,086,035; Feb. 3; Gaz. vol. 199; p. 164.
- Duplex Adding Machine Company, The. (See Meier, Swift, and Reller, assignors.)
- Duplex Adding Machine Company, The. (See Reed, Reller, Swift, and Meier, assignors.)
- Duplex Envelope Company, The. (See Peple, Charles A., assignor.)
- Duplex Envelope & Printing Co., The. (See Jones, Archer G., assignor.)

Alphabetical list of patentees—Continued.

- Duplex Manufacturing Company. (See Meyer, Julius A., assignor.)
- Duplex Metals Company. (See Monnot, John F., assignor.)
- Duplex Paper Box Machine Company, The. (See Giles, Julian A., assignor.)
- Duplex Printing Press Company. (See Bechman, Henry F., assignor.)
- Duplicator Manufacturing Company. (See Flanigan, John J., assignor.)
- Dupout, Henry H., Indianapolis, Ind. Shower-stall. No. 1,112,200; Sept. 29; Gaz. vol. 206; p. 1333.
- Dupré, Stephen, Jr., Springfield, Mass. Tap. No. 1,095,716; May 5; Gaz. vol. 202; p. 185.
- Dupree, James J., Hoxie, Ark. Cabinet. No. 1,082,028; Jan. 20; Gaz. vol. 198; p. 648.
- Dupuis, Joseph, Fall River, Mass. Link brake-belt. No. 1,085,029; Jan. 20; Gaz. vol. 198; p. 649.
- Duquette, Thomas, Sr., North Grosvenor Dale, Conn. Telephone-mouthpiece with antiseptic attachment. No. 1,083,671; Jan. 6; Gaz. vol. 198; p. 136.
- Duram, Arthur E., Chicago, Ill., and F. B. Hoff, Indianapolis, Ind. Conduit. No. 1,095,315; May 5; Gaz. vol. 202; p. 49.
- Duran, John, Stamford, Conn. Lock. No. 1,099,493; June 9; Gaz. vol. 203; p. 428.
- Durand, Alexander, Los Angeles, Cal. Tailor's iron. No. 1,110,537; Sept. 15; Gaz. vol. 206; p. 676.
- Durand, Ivins & Carton. (See Chapman, Frank E. V., assignor.)
- Durand, Leone. (See Bembina and Durand.)
- Durand, Nelson C., Newark, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Advertising device. No. 1,087,110; Feb. 17; Gaz. vol. 199; p. 628.
- Durand, Nelson C., Newark, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph hearing-tube. No. 1,096,024; May 12; Gaz. vol. 202; p. 325.
- Durand, Nelson C., Newark, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Dictation memorandum-sheet. No. 1,098,100; May 26; Gaz. vol. 202; p. 1133.
- Durand, Nelson C., Newark, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Controlling device. No. 1,106,443; Aug. 11; Gaz. vol. 205; p. 340.
- Durant, Thomas, McKees Rocks, and C. H. Hannover, Pittsburgh, Pa. Steam-trap. No. 1,113,207; Oct. 13; Gaz. vol. 207; p. 319.
- Durant, Thomas W. (See Parker and Durant.)
- Durant, William C., New York, N. Y. Automobile-seat. No. 1,116,041; Nov. 3; Gaz. vol. 208; p. 197.
- Durbin Automatic Train Pipe Connector Company. (See Schmidt, Peter, assignor.)
- Durbin, Nathan, Taylorville, Ill. Rail-joint. No. 1,096,696; May 12; Gaz. vol. 202; p. 553.
- Durbin, Vernon, Newton, assignor to The Holtzer-Cabot Electric Company, Brookline, Mass. Water-tight attachment-plug and receptacle. No. 1,117,647; Nov. 17; Gaz. vol. 208; p. 841.
- Durbin, Vernon, Newton, and H. Ehrismann, Boston, assignors to The Holtzer-Cabot Electric Company, Brookline, Mass. Circuit-closer. No. 1,117,646; Nov. 17; Gaz. vol. 208; p. 840.
- Durfee Embalming Fluid Co. (See Brown and Sinclair, assignors.)
- Durham Duplex Razor Company. (See Sheehan, Thomas C., assignor.)
- Durham, George, and C. W. McGuirk, Scranton, Pa. Cleaning surfaces. No. 1,113,967; Oct. 20; Gaz. vol. 207; p. 625.
- Durie, Nicholas C. (See McGowan, Matthew, assignor.)
- Durkee, Henry B., Boston, Mass., assignor to The United Injector Company, New York, N. Y. Counterpoise adjusting apparatus for machine tool-beds and the like. No. 1,121,991; Dec. 22; Gaz. vol. 209; p. 1198.
- Durkee, Joseph W., New York, N. Y., assignor to Pyrene Manufacturing Company. Portable fire-extinguisher. No. 1,105,263; July 28; Gaz. vol. 204; p. 1192.
- Durkin, Joseph F., Wilkes-Barre, Pa. Riddle for sand-sifters. No. 1,119,255; Dec. 1; Gaz. vol. 209; p. 122.
- Durlin, Walter S. (See Johnson and Durlin.)
- Durossette, Clyde, and J. G. Williams, Walsenburg, Colo. Folding furniture. No. 1,114,595; Oct. 20; Gaz. vol. 207; p. 847.
- Durow, Herman F., St. James, Minn. Corn-planter. No. 1,099,972; June 16; Gaz. vol. 203; p. 629.
- Durnall, William P., Herne Bay, England. Generation of polyphase alternating electric currents of varying frequencies. No. 1,098,345; May 26; Gaz. vol. 202; p. 1217.
- Duryea, Charles E., Reading, Pa. Internal-combustion engine. No. 1,107,501; Aug. 18; Gaz. vol. 205; p. 763.
- Duryea, Chester B., New York, N. Y. Producing predigested food. No. 1,110,754; Sept. 15; Gaz. vol. 206; p. 753.
- Duryea, Chester B., New York, N. Y. Producing syrups and sugars. No. 1,110,755; Sept. 15; Gaz. vol. 206; p. 753.
- Duryea, Chester B., New York, N. Y. Producing maltose. No. 1,110,756; Sept. 15; Gaz. vol. 206; p. 754.
- Duryea, James F., Springfield, assignor to Stevens-Duryea Company, Chicopee Falls, Mass. Carbureter-valve. No. 1,100,291; June 16; Gaz. vol. 203; p. 741.
- Duryea, James F., Springfield, assignor to Stevens-Duryea Company, Chicopee Falls, Mass. Fastening devices for auto-hoods. No. 1,100,292; June 16; Gaz. vol. 203; p. 742.
- Duryea, Otho C. (See White and Duryea.)
- Dusak, Stanley, Seanor, Pa. Telephone-receiver holder. No. 1,092,637; Apr. 7; Gaz. vol. 201; p. 178.
- Duscher, Ernest, La Crosse, Wis., assignor, by mesne assignments, to F. G. Bradbury, St. Paul, Minn. Type-setter. No. 1,117,812; Nov. 17; Gaz. vol. 208; p. 900.
- Dusha, Paul F., A. Feyk, and J. Komancsek, assignors to Holub-Dusha Company, New York, N. Y. Button-making machine. No. 1,121,337; Dec. 15; Gaz. vol. 209; p. 932.
- Dusinberre, George B., assignor to R. S. Mueller & Company, Cleveland, Ohio. Blower for sound-producing devices. No. 1,120,377; Dec. 8; Gaz. vol. 209; p. 548.
- Dusman, Charles F., et al. (See Walker, William F., assignor.)
- Dusseris, Henri F. E. S., Paris, France. Device for converting a continuous rotary motion into intermittent angular motion. No. 1,083,523; Jan. 6; Gaz. vol. 198; p. 87.
- Dust Sprayer Manufacturing Company. (See Jonnson, George C. and C. E., assignors.)
- Dustan, Frederick W., Clarkston, Wash. Loose-leaf holder. No. 1,114,596; Oct. 20; Gaz. vol. 207; p. 847.
- Dustin, Charles, Avoca, N. Y. Lantern-lighter. No. 1,107,049; Aug. 11; Gaz. vol. 205; p. 553.
- Dustin, Fred G., O. M. Frykman, and A. Watts, Minneapolis, Minn. Clutch and brake mechanism. No. 1,119,938; Dec. 8; Gaz. vol. 209; p. 392.
- Dustin, Gordon J., Plymouth, assignor to J. F. Dustin, Lawrence, Mass. Electromechanical warp stop-motion. No. 1,112,365; Sept. 29; Gaz. vol. 206; p. 1390.
- Dustin, John F. (See Dustin, Gordon J., assignor.)
- Dustin, John F., Lawrence, Mass. Warp stop-motion. No. 1,109,212; Sept. 1; Gaz. vol. 206; p. 126.
- Dustin, John F., Fulton, N. Y. Loom. No. 1,112,366; Sept. 29; Gaz. vol. 206; p. 1391.
- Dutcher, Albert L. (See Krebs, William, assignor.)
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Train-order deliverer. No. 1,086,282; Feb. 3; Gaz. vol. 199; p. 245.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Train-order deliverer. No. 1,086,283; Feb. 3; Gaz. vol. 199; p. 246.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-torpedo. No. 1,090,458; Mar. 17; Gaz. vol. 200; p. 705.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Paper or fiber railway signal-torpedo. No. 1,090,459; Mar. 17; Gaz. vol. 200; p. 705.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Fiber-case railway signal-torpedo. No. 1,090,460; Mar. 17; Gaz. vol. 200; p. 706.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Time-burning railway signal-fusee. No. 1,090,461; Mar. 17; Gaz. vol. 200; p. 706.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-torpedo. No. 1,096,358; May 12; Gaz. vol. 202; p. 441.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-torpedo. No. 1,102,887; July 7; Gaz. vol. 204; p. 232.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-torpedo. No. 1,102,888; July 7; Gaz. vol. 204; p. 232.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-torpedo. No. 1,102,889; July 7; Gaz. vol. 204; p. 232.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-torpedo. No. 1,107,050; Aug. 11; Gaz. vol. 205; p. 553.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Fiber-case railway-torpedo. No. 1,107,051; Aug. 11; Gaz. vol. 205; p. 553.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Train-order holder. No. 1,117,813; Nov. 17; Gaz. vol. 208; p. 900.
- Dutcher, Frank, Versailles, assignor of one-fourth to F. W. Brown and one-fourth to A. R. Marshall, Pittsburgh, Pa. Lock for railway-spikes. No. 1,122,373; Dec. 29; Gaz. vol. 209; p. 1366.
- Dutcher, Frank J., assignor to Draper Company, Hopedale, Mass. Loom-shuttle. No. 1,098,713; June 2; Gaz. vol. 203; p. 122.
- Dutcher, H. Melvin, administrator. (See Le Furge, William P.)
- Dutcher, Robert L., Spokane, Wash. Straw-retarder for straw-burning furnaces. No. 1,111,013; Sept. 22; Gaz. vol. 206; p. 887.

Alphabetical list of patentees—Continued.

- Dutchess Tool Company. (See Hanna and Van Houten, assignors.)
- Dutchess Tool Company. (See Van Houten, Frank H., assignor.)
- Dutchman, John, assignor of one-sixth to H. H. Schulte, one-sixth to H. W. Sass, one-sixth to W. Freemyer, one-sixth to H. Schulte, and one-sixth to H. M. Detrick, Buffalo, N. Y. Journal-box lubricator. No. 1,119,584; Dec. 1; Gaz. vol. 209; p. 237.
- Duthie, Charles. (See Andersen, Niels K., assignor.)
- Duthil, Alphonse, Mézières, France. File for letters or the like. No. 1,117,648; Nov. 17; Gaz. vol. 208; p. 841.
- Dutton, Edgar E. (See Sheard and Dutton.)
- Dutton, Elmer E., Port Huron, Mich. Engine-starter. No. 1,115,462; Oct. 27; Gaz. vol. 207; p. 1202.
- Dutton, Francis B., assignor to The Pennsylvania Steel Company, Lebanon, Pa. Process and apparatus for removing adherent material from nodulizing-kilns. No. 1,117,814; Nov. 17; Gaz. vol. 208; p. 901.
- Dutton, Joseph. (See Shaw and Dutton.)
- Duval, Louis, Newton, Mass. Wheel-tire. No. 1,109,973; Sept. 8; Gaz. vol. 206; p. 437.
- Duval, George M., assignor of one-half to W. A. Duvall, Auburn, Mass. Jar-opener. No. 1,111,998; Sept. 29; Gaz. vol. 206; p. 1263.
- Duval, George W. (See Beebe and Duvall.)
- Duval, William A. (See Duvall, George M., assignor.)
- Dux, Frank J., Utica, N. Y. Refrigerator. No. 1,095,316; May 5; Gaz. vol. 202; p. 49.
- Dvoracek, Ernest, Maynard, Ohio. Rail-joint. No. 1,111,887; Sept. 29; Gaz. vol. 206; p. 1229.
- Dwiggins, John F., Petersburg, Tenn. Mixing device for soda-fountains. No. 1,115,518; Nov. 3; Gaz. vol. 208; p. 18.
- Dwiggins Wire Fence Company. (See Swank, Lafe, assignor.)
- Dwight, Arthur S., New York, N. Y., assignor, by mesne assignments, to Dwight and Lloyd Metallurgical Company. Apparatus for roasting and sintering ores. No. 1,102,982; July 7; Gaz. vol. 204; p. 262.
- Dwight, John H., Des Moines, Iowa. Golf-driver. No. 1,096,359; May 12; Gaz. vol. 202; p. 441.
- Dwight and Lloyd Metallurgical Company. (See Dwight, Arthur S., assignor.)
- Dwight & Lloyd Sintering Company. (See Schlippenbach, Felix von, assignor.)
- Dwight & Lloyd Sintering Company. (See Weeks, Francis D., assignor.) (Reissue.)
- Dwyer, Elmer F., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Perforating and tubulating machine. No. 1,101,168; June 23; Gaz. vol. 203; p. 1096.
- Dwyer, Henry P., assignor to Dwyer Wireless Telephone and Telegraph Company, San Francisco, Cal. Wireless oscillator. No. 1,109,909; Sept. 8; Gaz. vol. 206; p. 413.
- Dwyer, John T. (See Burdett, James E., assignor.)
- Dwyer Wireless Telephone and Telegraph Company. (See Dwyer, Henry P., assignor.)
- Dyar, John W., Detroit, Mich. Tire-tool. No. 1,098,488; June 2; Gaz. vol. 203; p. 46.
- Dyar, Perlle A., Boston, Mass. Waste-receptacle. No. 1,100,423; June 16; Gaz. vol. 203; p. 787.
- Dybeck, Joseph, Sault Ste. Marie, Mich. Folding step-ladder. No. 1,091,311; Mar. 24; Gaz. vol. 200; p. 1026.
- Dyche, James, Stafford, England. Heel. No. 1,101,066; June 23; Gaz. vol. 203; p. 1062.
- Dyckerhoff, Oscar, Karlsruhe, Germany. Metallurgical treatment of silver ores. No. 1,085,675; Feb. 3; Gaz. vol. 199; p. 34.
- Dye, Edward R., Monticello, Ind. Envelop-moistener. No. 1,122,266; Dec. 29; Gaz. vol. 209; p. 1331.
- Dye, Ernest C., Greenville, S. C., assignor to F. E. Hale, Vicksburg, Miss. Tooth-brush holder and sterilizer. No. 1,122,881; Dec. 29; Gaz. vol. 209; p. 1544.
- Dye, Frederic W., Dayton, Ohio. Carton. No. 1,103,177; July 14; Gaz. vol. 204; p. 381.
- Dye, Harry D., San Francisco, Cal. Refillable soap-stick. No. 1,092,436; Apr. 7; Gaz. vol. 201; p. 108.
- Dye-Works. (See Bodmer, Ernest, assignor.)
- Dyer, Charles D. (See Harding, Jesse S., assignor.)
- Dyer, Charles J., Oakland, Cal. Game apparatus. No. 1,106,499; Aug. 11; Gaz. vol. 205; p. 362.
- Dyer, Charles P., Somerville, assignor to M. S. Fickett, Chelsea, Mass. Nut-lock. No. 1,097,121; May 19; Gaz. vol. 202; p. 745.
- Dyer, Frank L. (See Aylsworth and Dyer.)
- Dyer, Frank L., et al. (See Snelling, Walter O., assignor.)
- Dyer, Frank M., et al. (See Scott, Frederick C., assignor.)
- Dyer, George H., New York, N. Y., and H. E. Mack, Jr., Boston, Mass. Making pistons. No. 1,102,188; June 30; Gaz. vol. 203; p. 1503.
- Dyer, George H., Somerville, and J. W. Whitford, Boston, Mass.; said Whitford assignor to said Dyer. Acetylene-torch. No. 1,099,973; June 16; Gaz. vol. 203; p. 630.
- Dyer, Harry W., East Orange, N. J. Tire construction. No. 1,090,605; Mar. 17; Gaz. vol. 200; p. 756.
- Dyer, Henry G., Collingswood, N. J., assignor to V. M. Stevenson, Philadelphia county, Pa. Flaming-arc attachment for inclosed-arc lamps. No. 1,101,014; June 23; Gaz. vol. 203; p. 1044.
- Dyer, Henry H., Somerville, Mass. Pipe, cigar-holder, or the like. No. 1,090,036; Mar. 10; Gaz. vol. 200; p. 515.
- Dyer, Leonard H., Greenwich, Conn. Flying-machine. No. 1,108,881; Sept. 1; Gaz. vol. 206; p. 10.
- Dyer, Nelson M., and W. S. Holbrook, Davenport, Iowa. Hand-power vacuum-sweeper. No. 1,096,814; May 12; Gaz. vol. 202; p. 594.
- Dyer, Robert A., Jr., Auburn, N. Y. Railway-crossing. No. 1,088,688; Mar. 3; Gaz. vol. 200; p. 6.
- Dyer, Thomas, Cranston, R. I. Vehicle-wheel. No. 1,091,124; Mar. 24; Gaz. vol. 200; p. 963.
- Dyer, William A., Vestal, N. Y. Incubator. No. 1,122,705; Dec. 29; Gaz. vol. 209; p. 1482.
- Dykes, James, New Rockford, N. D. Cable-stretcher. No. 1,118,539; Nov. 24; Gaz. vol. 208; p. 1193.
- Dykstra, Martin H. (See Boardman, Robert O., assignor.)
- Dymond, Jacob F., Uniontown, Pa. Carbon fuel. No. 1,106,289; Aug. 4; Gaz. vol. 205; p. 242.
- Dymond, John, Toronto, Ontario, assignor of one-fifth to J. Douglas, Vancouver, British Columbia, and three-tenths to Weston & Co., Toronto, Ontario, Canada. Pipe-elbow-bending machine. No. 1,096,025; May 12; Gaz. vol. 202; p. 325.
- Dynamit-Actien Gesellschaft. (See Pier, Mathias, assignor.)
- Dynes, C. F. (See Doner, Martin J., assignor.)
- Dysart, Birney, assignor to Dalton Adding Machine Company, St. Louis, Mo. Adding and recording machine. No. 1,098,714; June 2; Gaz. vol. 203; p. 122.
- Dysart, Birney, St. Louis, Mo., assignor, by mesne assignments, to The Dalton Adding Machine Company, Cincinnati, Ohio. Recording-machine. No. 1,121,721; Dec. 22; Gaz. vol. 209; p. 1102.
- Dysinger, Elmer D., Buffalo, N. Y. Hose-rack. No. 1,086,354; Feb. 10; Gaz. vol. 199; p. 317.
- Dysko, John, West Hoboken, N. J. Calker's and painter's tool. No. 1,096,496; May 12; Gaz. vol. 202; p. 486.
- Dyson, Alfred H., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone system. No. 1,097,307; May 19; Gaz. vol. 202; p. 811.
- Dyson, Alfred H., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Automatic switch for telephone systems. No. 1,103,040; July 14; Gaz. vol. 204; p. 331.
- Dyson, Alfred H., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Automatic telephone system. No. 1,110,613; Sept. 15; Gaz. vol. 206; p. 704.
- Dyson, Alfred H., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic telephone system. No. 1,118,910; Nov. 24; Gaz. vol. 208; p. 1318.
- Dyson, Alfred H., assignor, by mesne assignments, to Western Electric Company, Chicago, Ill. Telephone apparatus. No. 1,098,372; June 2; Gaz. vol. 203; p. 5.
- Dyson, Harry. (See Gaunt and Dyson.)
- Dziemian, Adam, Jersey City, N. J. Cement-forming apparatus. No. 1,113,317; Oct. 13; Gaz. vol. 207; p. 358.
- E. A. Mallory and Sons. (See Starr and Doran, assignors.)
- E. B. Eddy Company, The. (See Mereweather, George R., assignor.)
- E. B. Hayes Machine Company. (See Kuebler and Frantz, assignors.)
- E. & B. Holmes Machinery Company. (See Beugler, Edwin F., assignor.)
- E. C. Atkins and Company. (See Howell, Gerald A., assignor.)
- E. C. Atkins and Company. (See McMillan, Isaac, assignor.)
- E. C. Austin Limited. (See Austin, Ernest C., assignor.)
- E. C. Sales Co. (See Duffy, Thomas I., assignor.)
- E. F. Caldwell & Co. (See Tizley, Arthur J., assignor.)
- E. G. Long Company. (See Pilgrim, Frank J., assignor.)
- E. H. Bryant Company, The. (See Bryant, Earnest H., assignor.)
- E. H. Freeman Electric Company. (See Freeman, Edgar H., assignor.)
- E. H. Hotchkiss Company, The. (See Muth, John, assignor.)
- E. H. Sargent & Co. (See Cary-Curr, Henry J., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Hibbard, Walter R., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Hibbert, Harold, assignor.)
- E. I. du Pont de Nemours Powder Company. (See Kniffen, Frederick, assignor.)
- E. I. du Pont de Nemours Powder Company. (See Lynah, James, assignor.)
- E. I. du Pont de Nemours Powder Company. (See Masland, Walter E., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Nathan, Rintoul, and Baker, assignors.)
- E. I. du Pont de Nemours Powder Company. (See Peacock, Samuel, assignor.)

Alphabetical list of patentees--Continued

- E. I. du Pont de Nemours Powder Company. (See Sparre, Fin, assignor.)
- E. I. du Pont de Nemours Powder Company. (See Woodbury, Clifford A., assignor.)
- E. J. Brooks & Co. (See Brooks, Winfred M., assignor.)
- E. J. Manville Machine Company, The. (See Brennan, Charles T., assignor.)
- E. J. Manville Machine Company. (See Julian, David, assignor.)
- E. J. Manville Machine Company, The. (See Smith, Henry L., assignor.)
- E. M. Dart Manufacturing Company. (See Ross, Jesse H., assignor.)
- E. M. Hulse Company, The. (See Henderson, Ulysses S., assignor.)
- E. M. Hulse Company, The. (See Sharp, Alonzo G., assignor.)
- E. K. Knott Machine Company. (See Worsey, Charles H., assignor.)
- E. R. Squibb & Sons. (See Hereth, Frank S., assignor.)
- E. T. Burrowes Company, The. (See Coffin, Charles W., assignor.)
- E. T. Burrowes Company. (See Davis, George H., assignor.)
- E. and T. Fairbanks and Company, The. (See Hazen, Perley F., assignor.)
- E. W. Bliss Company. (See Dobson and Merkel, assignors.)
- E. W. Bliss Company. (See Gabriel, Charles R., assignor.)
- E. W. Bliss Company. (See John, Ferdinand, assignor.)
- E. W. Bliss Company. (See Klocke, William, assignor.)
- E. W. Bliss Company. (See Leavitt, Frank M., assignor.)
- E. W. Bliss Company. (See Wilzin, Arthur, assignor.)
- E-Z Rim Company. (See Fitzgerald, William H. J., assignor.)
- E-Z-Ryde Shock Absorber Co. (See Bugg, Owen T., assignor.)
- Eads, Maude E. (See McFarland and Eads.)
- Eagan, Charles E. (See Mayer, William E., assignor.)
- Eager, Frank L., Waterbury, Conn. Electric switch. No. 1,114,682; Oct. 20; Gaz. vol. 207; p. 876.
- Eager, Frank L., Waterbury, Conn. Trolley-wheel. No. 1,119,939; Dec. 8; Gaz. vol. 209; p. 393.
- Eager, Hale E., and A. O. Hagee, Tipton, Ind. Sleet-cutter for trolley-wires. No. 1,117,815; Nov. 17; Gaz. vol. 208; p. 901.
- Eagle, Aubrey I., Stockton, Utah. Internal-combustion engine. No. 1,111,252; Sept. 22; Gaz. vol. 206; p. 970.
- Eagle, George, Manchester, England. Theodolite. No. 1,095,717; May 5; Gaz. vol. 202; p. 185.
- Eagle Lock Co. (See Murphy, James J., assignor.)
- Eagle, Peter, Worcester, Mass. Fastener. No. 1,119,073; Dec. 1; Gaz. vol. 209; p. 62.
- Eagle, Peter, Harrison, assignor of one-half to A. Janiga, Passaic, N. J. Permutation-lock. No. 1,085,894; Feb. 3; Gaz. vol. 199; p. 112.
- Eagle Square Manufacturing Company. (See Harris, Henry E., assignor.)
- Eagle Wagon Works, The. (See Avery, Courtney C., assignor.)
- Eagleston, Albert F. and F. C., Manbar, W. Va. Railway-rail fastener. No. 1,121,338; Dec. 15; Gaz. vol. 209; p. 932.
- Eagleston, Floyd C. (See Eagleston, Albert F. and F. C.)
- Eagleston, Joseph B., assignor of one-half to A. Martino, Orient, Ohio. Broom-sewing needle. No. 1,118,190; Nov. 24; Gaz. vol. 208; p. 1069.
- Eaid, Clayton T., Portland, Oreg., assignor of one-third to T. H. Gavan, Camas, Wash. Logging-bunk. No. 1,112,690; Oct. 6; Gaz. vol. 207; p. 100.
- Eames, Gardner T., assignor to G. T. Eames Company, Kalamazoo, Mich. Arbor-press. No. 1,106,500; Aug. 11; Gaz. vol. 205; p. 363.
- Earl, Ernest J., et al. (See Earl, Malcolm W., assignor.)
- Earl, John H., Somerville, Mass. Reversible valve-gear. No. 1,106,866; Aug. 11; Gaz. vol. 205; p. 492.
- Earl, Lee G., Jacksonville, Fla. Metallic tie. No. 1,105,325; July 28; Gaz. vol. 204; p. 1214.
- Earl, Malcolm W., assignor of three-fourths to P. J. S. E., and E. J. Earl, Watertown, N. Y. Machine for wrapping celery. No. 1,107,273; Aug. 18; Gaz. vol. 205; p. 681.
- Earl, Persis J., et al. (See Earl, Malcolm W., assignor.)
- Earl, Ransom D., et al. (See Hook, William, assignor.)
- Earl, Sheridan E., et al. (See Earl, Malcolm W., assignor.)
- Earl, Virgil D., and F. E. Mangold, Portland, Oreg. Adjustable socket-wrench bit. No. 1,107,769; Aug. 18; Gaz. vol. 205; p. 858.
- Earl & Wilson. (See Betts, Edgar H., assignor.)
- Earle, Guyon L. C., Forrest Hills, N. Y. Apparatus for returning water of condensation to boilers, &c. No. 1,121,339; Dec. 15; Gaz. vol. 209; p. 933.
- Earle, Henry, Montreal, Quebec, Canada. Ore-concentrator. No. 1,085,596; Feb. 3; Gaz. vol. 199; p. 7.
- Earle, Richard B. (See Kyriakides and Earle.)
- Earle, Richard B., assignor to Hood Rubber Company, Boston, Mass. Preparing rubber from hydrocarbons. No. 1,093,923; Apr. 21; Gaz. vol. 201; p. 688.
- Earle, Richard B., Cambridge, Mass., assignor to Hood Rubber Company. Preparing elastic substances. No. 1,094,317; Apr. 21; Gaz. vol. 201; p. 817.
- Earle, Richard B., and L. P. Kyriakides, Cambridge, Mass., assignors to Hood Rubber Co. Producing aldol. No. 1,094,314; Apr. 21; Gaz. vol. 201; p. 816.
- Earle, Richard B., and L. P. Kyriakides, Cambridge, Mass., assignors to Hood Rubber Company. Producing 1,3-glycols, (β -glycols.) No. 1,094,315; Apr. 21; Gaz. vol. 201; p. 817.
- Earle, Richard B., and L. P. Kyriakides, Cambridge, Mass., assignors to Hood Rubber Company. Producing 1,3-glycols. No. 1,094,316; Apr. 21; Gaz. vol. 201; p. 817.
- Earle, Richard B., and L. P. Kyriakides, assignors to Hood Rubber Company, Boston, Mass. Producing isoprene. No. 1,106,290; Aug. 4; Gaz. vol. 205; p. 242.
- Earley Dry Graphite Lubricator Company, The. (See Earley and Kilpatrick, assignors.)
- Earley, Walter S., and R. W. Kilpatrick, assignors, by mesne assignments, to The Earley Dry Graphite Lubricator Company, Philadelphia, Pa. Lubricating device. No. 1,109,742; Sept. 8; Gaz. vol. 206; p. 354.
- Earl, Charles I., New York, N. Y. Trolley-retriever. No. 1,110,757; Sept. 15; Gaz. vol. 206; p. 754.
- Earl, Charles I., New York, N. Y. Trolley-catcher. No. 1,110,758; Sept. 15; Gaz. vol. 206; p. 754.
- Earl, Charles I., New York, N. Y. Trolley-retriever. No. 1,110,759; Sept. 15; Gaz. vol. 206; p. 755.
- Early Sun Stove Company, The. (See Wise, George A., assignor.)
- Earnist, Cyrus C., Riceville, Iowa. Change-speed gearing. No. 1,091,467; Mar. 24; Gaz. vol. 200; p. 1075.
- Earnshaw, George F., Chicago, Ill., assignor to Earnshaw Knitting Company. Twistless tape. No. 1,100,060; June 16; Gaz. vol. 203; p. 660.
- Earnshaw, George F., assignor to Earnshaw Knitting Company, Chicago, Ill. Abdominal band. No. 1,102,250; July 7; Gaz. vol. 204; p. 10.
- Earnshaw Knitting Company. (See Earnshaw, George F., assignor.)
- Earp-Thomas, George H., Bloomfield, N. J. Means for distributing soil bacteria. No. 1,099,121; June 2; Gaz. vol. 203; p. 255.
- Earwood, Timothy, Hemingford, Nebr. Potato-digger elevating means. No. 1,113,761; Oct. 13; Gaz. vol. 207; p. 514.
- Eash, John K., Jet, Okla. Brooder. No. 1,115,417; Oct. 27; Gaz. vol. 207; p. 1188.
- Easley, Dennis J., Ponder, Tex. Cotton-picker's receptacle. No. 1,120,139; Dec. 8; Gaz. vol. 209; p. 462.
- East, Charles M. (See Wright and East.)
- East, Edwin G., Raphine, Va. Soap-holder. No. 1,122,882; Dec. 29; Gaz. vol. 209; p. 1544.
- East, Ernest D., et al. (See Sloss, Edward P., assignor.)
- East, Matthew H., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Cavings-thresher for reaper-threshers. No. 1,118,191; Nov. 24; Gaz. vol. 208; p. 1069.
- East, Matthew H., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Reaper-thresher. No. 1,121,814; Dec. 22; Gaz. vol. 209; p. 1134.
- East Side Machine Co. (See O'Neil, William H., assignor.)
- Easter, Richard H. (See McDowell and Easter.)
- Easterling, Crawford L., Plant City, Fla. Plow-stock. No. 1,107,920; Aug. 18; Gaz. vol. 205; p. 908.
- Eastes, Benjamin. (See Coyne, Anthony, assignor.)
- Eastham, Henry W., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-pressing machine. No. 1,117,557; Nov. 17; Gaz. vol. 208; p. 808.
- Eastin, George C. (See Hoffman and Eastin.)
- Eastman, Earnest A., assignor of one-half to The Crawford McGregor and Canby Co., Dayton, Ohio. Last-turning machine. No. 1,104,040; July 21; Gaz. vol. 204; p. 719.
- Eastman Kodak Co. (See Cline, William B., assignor.)
- Eastman Kodak Company. (See Adams, George W., assignor.)
- Eastman Kodak Company. (See Barnes and Lovejoy, assignors.)
- Eastman Kodak Company. (See Clarke, Joseph T., assignor.)
- Eastman Kodak Company. (See Darling, Harry R., assignor.)
- Eastman Kodak Company. (See Fisher, Austin C., assignor.)
- Eastman Kodak Company. (See Folmer, William F., assignor.)
- Eastman Kodak Company. (See Lehner, Alfred, assignor.)
- Eastman Kodak Company. (See Reid, David E., assignor.)
- Eastman Kodak Company. (See Robertson, John A., assignor.)
- Eastman Kodak Company. (See Robertson and Kroedel, assignors.)
- Eastman, William E., Boston, Mass. Automatic clutch-lever regulator. No. 1,083,352; Jan. 6; Gaz. vol. 198; p. 31.

Alphabetical list of patentees—Continued.

- Eastman, William E.**, Winchester, Mass. Spring suspension for vehicles. No. 1,121,079; Dec. 15; Gaz. vol. 209; p. 843.
- Easton, Frank B.**, New York, N. Y. Guard and indicator for storage vessels. No. 1,105,068; July 28; Gaz. vol. 204; p. 1124.
- Easton, George B.**, Los Angeles, Cal. Key-pouch. No. 1,110,760; Sept. 15; Gaz. vol. 206; p. 756.
- Easton, William S.**, Portland, Oreg., assignor to Utility Manufacturing Company, Seattle, Wash. Water-motor. No. 1,115,655; Nov. 3; Gaz. vol. 208; p. 65.
- Eastwick, James**, Fyning Wood, Rogate, England. Automatic small-arm. No. 1,109,910; Sept. 8; Gaz. vol. 206; p. 413.
- Eastwood, Albert B.**, Rochester, N. Y. Stocking-form. No. 1,104,348; July 21; Gaz. vol. 204; p. 825.
- Easy Auto Wheel Company.** (See Youngkvist, Amandus W., assignor.)
- Eaton, Arthur W., Wenham, and C. Pease**, Salem, Mass., assignors to United Shoe Machinery Company, Paterson, N. J. Skiving-machine. No. 1,083,274; Jan. 6; Gaz. vol. 198; p. 5.
- Eaton, Arthur W., Wenham, and C. Pease**, Salem, Mass., assignors to United Shoe Machinery Company, Paterson, N. J. Splitting-machine. No. 1,115,059; Oct. 27; Gaz. vol. 207; p. 1064.
- Eaton, Benjamin M.**, Winthrop, Mass. Packaging-receptacle. No. 1,115,060; Oct. 27; Gaz. vol. 207; p. 1065.
- Eaton, Benjamin T.**, Mobile, Ala. Table. No. 1,112,276; Sept. 29; Gaz. vol. 206; p. 1360.
- Eaton, Charles C.**, assignor to C. A. Eaton Company, Brockton, Mass. Making shoes. No. 1,103,913; July 14; Gaz. vol. 204; p. 634.
- Eaton, Charles C.**, assignor to C. A. Eaton Company, Brockton, Mass. Shoe. No. 1,103,914; July 14; Gaz. vol. 204; p. 634.
- Eaton, Clara S.**, New York, N. Y. Belt-fastener. No. 1,106,790; Aug. 11; Gaz. vol. 205; p. 465.
- Eaton, Clara S.**, New York, N. Y. Rivet. No. 1,120,378; Dec. 8; Gaz. vol. 209; p. 548.
- Eaton, Clarence L.**, assignor to T. G. Plant, Boston, Mass. Waxing thread. No. 1,115,418; Oct. 27; Gaz. vol. 207; p. 1188.
- Eaton, George C.**, Norwich, N. Y. Watering device. No. 1,108,151; Aug. 25; Gaz. vol. 205; p. 1038.
- Eaton, Harrison H.**, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lining-protector. No. 1,119,750; Dec. 1; Gaz. vol. 209; p. 290.
- Eaton, Horace P.** (See Newman and Eaton.)
- Eaton, John R.** (See Etchison, Louis A., assignor.)
- Eaton, Joseph J.**, Yonkers, N. Y. Golf-register. No. 1,119,256; Dec. 1; Gaz. vol. 209; p. 122.
- Eaton, Leslie E., Sturgis, S. D.** Dental impression-tray and detachable handle. No. 1,094,203; Apr. 21; Gaz. vol. 201; p. 781.
- Eaton, Percy H.**, Westville, Nova Scotia, Canada. Lock-nut. No. 1,116,253; Nov. 3; Gaz. vol. 208; p. 268.
- Eaton, Richard M.**, assignor to The Niagara Searchlight Company, Niagara Falls, N. Y. Flash-light device. No. 1,094,839; Apr. 28; Gaz. vol. 201; p. 1061.
- Eaton, Rufus V., and O. U. Chambers**, Emmett, Idaho. Registering apparatus. No. 1,121,815; Dec. 22; Gaz. vol. 209; p. 1134.
- Eaton, William S.** (See Hulet and Eaton.)
- Eaton, Willie G.**, Nashua, N. H., assignor to Nashua Manufacturing Company, Shuttie. No. 1,102,890; July 7; Gaz. vol. 204; p. 232.
- Eaves, Henry L.**, Mangum, Okla. Harrow. No. 1,097,794; May 26; Gaz. vol. 202; p. 1025.
- Ebaugh, John E.**, Shenandoah, Iowa. Assembling soldering-tool. No. 1,093,552; Apr. 14; Gaz. vol. 201; p. 519.
- Ebbecke, Albert**, Newark, N. J. Combined adjustable pillow and body-support. No. 1,083,672; Jan. 6; Gaz. vol. 198; p. 136.
- Ebbs, Horace Z.**, Knoxville, Tenn. Reversible fulcrum for brake-beams. No. 1,112,125; Sept. 29; Gaz. vol. 206; p. 1306.
- Ebeling, Charles W.** (See Rogers, Harrison W., assignor.)
- Ebeling, Charles W.**, assignor of one-half to H. W. Rogers, Wheeling, W. Va. Stylus-guiding attachment for sound-records. No. 1,112,406; Sept. 29; Gaz. vol. 206; p. 1406.
- Ebeling, Charles W.**, assignor of one-half to H. W. Rogers, Wheeling, W. Va. Stylus-guiding attachment for sound-records. No. 1,112,407; Sept. 29; Gaz. vol. 206; p. 1406.
- Ebeling, Oscar, et al.** (See Alexander, Jesse, assignor.)
- Ebenreiter, Alfred R.**, Spokane, Wash. Friction-pulley. No. 1,090,462; Mar. 17; Gaz. vol. 200; p. 706.
- Eberhard Faber Pencil Company.** (See Faber, Eberhard, assignor.)
- Eberhard Faber Pencil Company.** (See Fleming, Clarence C., assignor.)
- Eberhard, Heinrich**, Basel, Switzerland. Non-refillable bottle. No. 1,119,257; Dec. 1; Gaz. vol. 209; p. 123.
- Eberhard, Otto**, Heidenau, near Dresden, Germany. Continuous mechanical manufacture of objects from plastic substances. No. 1,083,275; Jan. 6; Gaz. vol. 198; p. 5.
- Eberhard, Otto**, Heidenau, Germany. Apparatus for drying articles formed from plastic masses. No. 1,088,555; Feb. 24; Gaz. vol. 199; p. 1171.
- Eberhard, Otto**, Heidenau, near Dresden, Germany. Apparatus for manufacture of objects from plastic substances. No. 1,095,979; May 5; Gaz. vol. 202; p. 273.
- Eberhard, Wilhelm.** (See Hack, Jacob, assignor.)
- Eberhardt, Henry J.**, assignor to Newark Gear Cutting Machine Co., Newark, N. J. Gear-cutting machine. No. 1,104,482; July 21; Gaz. vol. 204; p. 871.
- Eberhardt, Paul.** (See Pau and Eberhardt.)
- Eberhart, Felix**, Newark, N. J., assignor to American Can Company, New York, N. Y. Manufacturing interiorly-coated cans. No. 1,094,840; Apr. 28; Gaz. vol. 201; p. 1061.
- Eberle, Charles, and J. F. Schoellkopf**, Dallas, Tex. Horse-collar. No. 1,087,934; Feb. 24; Gaz. vol. 199; p. 961.
- Eberle, Eugen**, Augsburg, Germany. Supplying fuels which ignite with difficulty to internal-combustion engines. No. 1,093,553; Apr. 14; Gaz. vol. 201; p. 519.
- Eberlein, Wilhelm**, Brunswick, Germany. Preparing progressive gunpowder. No. 1,098,237; May 26; Gaz. vol. 202; p. 1179.
- Eberling, Charles M.**, Cleveland, Ohio. Tile-making machine. No. 1,106,088; Aug. 4; Gaz. vol. 205; p. 176.
- Eberling, Charles M.**, Cleveland, Ohio. Cement-working machinery. No. 1,106,089; Aug. 4; Gaz. vol. 205; p. 176.
- Eberling, Charles M.**, Cleveland, Ohio. Baling-machine. No. 1,115,290; Oct. 27; Gaz. vol. 207; p. 1145.
- Eberly, Edgar.** (See Fetrow and Eberly.)
- Ebersole, Cyrus P.**, assignor to Electric Service Supplies Company, Philadelphia, Pa. Sand-trap. No. 1,089,541; Mar. 10; Gaz. vol. 200; p. 346.
- Ebersole, Elbert L.** (See Neff, Cole, and Ebersole.)
- Ebert, Harry**, Frederick, Md. Mail-bag. No. 1,085,115; Jan. 27; Gaz. vol. 198; p. 714.
- Ebert, Marie**, South Orange, N. J. Building toys. No. 1,100,061; June 16; Gaz. vol. 203; p. 660.
- Ebert, Otto**, Ironton, Ohio. Tire-inflating apparatus. No. 1,083,440; Jan. 6; Gaz. vol. 197; p. 61.
- Eberwein, Johann**, North Tonawanda, N. Y. Self-leveling table. No. 1,092,638; Apr. 7; Gaz. vol. 201; p. 179.
- Ebner, Peter**, Columbus, Ohio. Letter-file. No. 1,091,490; Mar. 31; Gaz. vol. 200; p. 1129.
- Ebur, Thomas R. L.**, Lebanon, Pa. Fishing-rod support. No. 1,091,491; Mar. 31; Gaz. vol. 200; p. 1129.
- Eccard, John F., and J. Smith**, assignors to The Troy Wagon Works Company, Troy, Ohio. Reversible truck. No. 1,117,816; Nov. 17; Gaz. vol. 208; p. 901.
- Eccard, John F., and J. Smith**, assignors to The Troy Wagon Works Company, Troy, Ohio. Trailer-truck. No. 1,117,944; Nov. 17; Gaz. vol. 208; p. 943.
- Eccleston, Josiah, Roy, Wash.** Door-closer. No. 1,106,640; Aug. 11; Gaz. vol. 205; p. 413.
- Eck, Arvid**, St. Louis, Mo. Repeating air-rifle. No. 1,088,689; Mar. 3; Gaz. vol. 200; p. 7.
- Eck Dynamo and Motor Company.** (See Dilg, Charles H. J., assignor.)
- Eck, Earl.** (See Edman and Eck.)
- Eckardt, Friedrich.** (See Eppenstein and Eckardt.)
- Eckart, George F.**, assignor to Automatic Stemmer Company, Chicago, Ill. Stripper-blade for tobacco-stemming machines. No. 1,110,425; Sept. 15; Gaz. vol. 206; p. 638.
- Eckart, George F.**, assignor to Automatic Stemmer Company, Chicago, Ill. Stripper mechanism for tobacco-stemming machines. No. 1,110,426; Sept. 15; Gaz. vol. 206; p. 638.
- Eckberg, Arvid W., and C. Stohlberg**, Jamestown, N. Y. Pivoted and sliding window. No. 1,103,276; July 14; Gaz. vol. 204; p. 415.
- Eckelberg, William**, Gettysburg, S. D. Combined feed and hay rack. No. 1,084,930; Jan. 20; Gaz. vol. 198; p. 615.
- Eckelmann, Max**, Dresden, Germany. Former. No. 1,100,718; June 23; Gaz. vol. 203; p. 940.
- Eckenrod, Annie.** (See Haverty and Eckenrod.)
- Ecker, Charles W.**, assignor to The Berger Manufacturing Company, Canton, Ohio. Ventilator. No. 1,100,234; June 16; Gaz. vol. 203; p. 720.
- Eckerd, Samuel K., Sarita, Tex.** Gate. No. 1,113,607; Oct. 13; Gaz. vol. 207; p. 460.
- Eckert, Alfred C., Glen Ridge, N. J.** Bracelet watch-holder. No. 1,093,610; Apr. 21; Gaz. vol. 201; p. 581.
- Eckert, Paul.** (See Anderson and Eckert.)
- Eckes, Charles.** (See Pratt, Lewis M., assignor.)
- Eckey, Fritz**, Twickenham, England. Sash raising and lowering device. No. 1,109,326; Sept. 1; Gaz. vol. 206; p. 167.
- Eckford, William**, Rhyl, Wales. Apparatus for the manufacture of lead oxid. No. 1,104,786; July 28; Gaz. vol. 204; p. 1025.
- Eckland, Charles**, Stockton, Cal. Oil-burner. No. 1,087,741; Feb. 17; Gaz. vol. 199; p. 850.
- Ecklyn, Charles N.**, assignor to Standard Electric Works, Racine, Wis. Agitator. No. 1,103,949; July 21; Gaz. vol. 204; p. 689.
- Eckman, George H.**, Marshalltown, Iowa. Nut-lock. No. 1,086,517; Feb. 10; Gaz. vol. 199; p. 373.
- Eckman, Gustavus A.**, Chicago, Ill. Mount for electric fittings. No. 1,113,762; Oct. 13; Gaz. vol. 207; p. 514.
- Eckre, Olof A.**, Minneapolis, Minn. Resilient wheel. No. 1,110,427; Sept. 15; Gaz. vol. 206; p. 639.

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- Eckschlager, Emil. (See Eckschlager, Hans and E.)
 Eckschlager, Hans and E., Vienna, Austria-Hungary. Display apparatus. No. 1,099,431; June 9; Gaz. vol. 203; p. 408.
 Eckstein, Oscar O., *et al.* (See Reilly, Michael J., assignor.)
 Eclipse Folding Machine Company, The. (See Bodey, Edward J., assignor.)
 Economic Machinery Company. (See Woodland, Frank O., assignor.)
 Economic Rubber Washing Machine Co., The. (See Norzagaray, Leonidas, assignor.)
 Economy Devices Corporation. (See Stafford, Hal R., assignor.)
 Economy Electric Manufacturing Company. (See Kuhlmann, Frederick J. P., assignor.)
 Economy Forced Draft Slack Burner Company. (See Coates, Arch B., assignor.)
 Economy Fuse & Manufacturing Company. (See Mallory, Edward B., assignor.)
 Eddebuttel-Reimers, Gustav R., Geneva, Wash. Strut-cover of stream-line surface. No. 1,104,254; July 21; Gaz. vol. 204; p. 792.
 Eddelman, Edgar, Westport, Ind. Attachment for trap-doors. No. 1,090,697; Mar. 17; Gaz. vol. 200; p. 785.
 Eddy, Joseph, Fostoria, Ohio. Washing-machine. No. 1,120,292; Dec. 8; Gaz. vol. 209; p. 517.
 Eddy, Lorenzo G., Huntington, N. Y. Pump-cylinder. No. 1,090,037; Mar. 10; Gaz. vol. 200; p. 515.
 Eddy, Lyman K. (See Fernald, George W., assignor.)
 Eddy, Oscar H., assignor to W. Eddy Plow Company, Greenwich, N. Y. Sulky-plow. No. 1,102,891; July 7; Gaz. vol. 204; p. 233.
 Eddy, Schuyler C., Kalamazoo, Mich. Demountable rim. No. 1,100,719; June 23; Gaz. vol. 203; p. 940.
 Eddystone Manufacturing Company, The. (See Macadam, John, assignor.)
 Edel, Hermann J., assignor to Gesellschaft für Maschinen- und Metall-Industrie mit beschränkter Haftung, Neheim-on-the-Ruhr, Germany. Appliance for providing metallic pins with head-plates. No. 1,090,038; Mar. 10; Gaz. vol. 200; p. 515.
 Eden, James A., Jr., Springfield, Mass., assignor to Baush Machine Tool Company. Multiple drill. No. 1,121,992; Dec. 22; Gaz. vol. 209; p. 1198.
 Edens, Henry N., assignor to The John Lauson Manufacturing Company, New Holstein, Wis. Engine-starter. No. 1,095,387; May 5; Gaz. vol. 202; p. 73.
 Edens, John, assignor to H. F. Brammer Manufacturing Company, Davenport, Iowa. Operating-gearing for washing-machines. No. 1,093,982; Apr. 21; Gaz. vol. 201; p. 707.
 Edey, Aubrey A., Mobile, Ala. Gasolene-strainer. No. 1,095,494; May 5; Gaz. vol. 202; p. 111.
 Edey, Charles E. C., Tacoma, Wash. Combined lock and knocker. No. 1,110,194; Sept. 8; Gaz. vol. 206; p. 516.
 Edgar Allen American Manganese Steel Company. (See Black, Edward S., assignor.)
 Edgar Allen American Manganese Steel Company. (See McKee, Walter S., assignor.)
 Edgar Allen American Manganese Steel Company. (See Pemberton, Edward L., assignor.)
 Edgar, Hans, Karangahake, New Zealand. Rock-drill. No. 1,088,334; Feb. 24; Gaz. vol. 199; p. 1100.
 Edgar, Louis C., Swissvale, Pa. Toy. No. 1,098,895; June 2; Gaz. vol. 203; p. 183.
 Edgar Steel Seal and Manufacturing Company, The. (See Edgar, William K., assignor.)
 Edgar, William K., assignor to The Edgar Steel Seal and Manufacturing Company, Lawrence, Kans. Automatic feed. No. 1,118,335; Nov. 24; Gaz. vol. 208; p. 1120.
 Edgar, William N., Cambridge, Nebr. Corn-harvester. No. 1,088,556; Feb. 24; Gaz. vol. 199; p. 1171.
 Edge Moor Iron Company. (See Sellers and Bradford, assignors.)
 Edgecomb, Luther B., assignor of one-half to B. Sundeen, Traverse City, Mich. Railway signal device. No. 1,111,014; Sept. 22; Gaz. vol. 206; p. 888.
 Edgecombe, Edward F., Cuyahoga Falls, Ohio. Tread for resilient tires. No. 1,113,934; Oct. 13; Gaz. vol. 207; p. 574.
 Edgemont Machine Company, The. (See Stahl, George, assignor.)
 Edgerton, Benjamin G. (See Moldenhauer and Edgerton.)
 Edgerton, Charles, Philadelphia, Pa. Fire-door for steam-boilers. No. 1,117,649; Nov. 17; Gaz. vol. 208; p. 841.
 Edgerton, Rae A., and S. Dinovsky, assignors to The Utica Wax Sharpener Company, Utica, N. Y. Machine for sharpening tailors' wax. No. 1,096,099; May 12; Gaz. vol. 202; p. 351.
 Edgington, William F., and A. Murray, Springfield, Ohio. Tire-tool. No. 1,090,290; Mar. 17; Gaz. vol. 200; p. 645.
 Edick, George, Albuquerque, N. Mex. Rail-joint. No. 1,109,407; Sept. 1; Gaz. vol. 206; p. 196.
 Edison Storage Battery Company. (See Edison, Thomas A., assignor.)
 Edison Storage Battery Company. (See Hutchison, Miller R., assignor.)
 Edison, Thomas A. (See Bliss, Donald M., assignor.)
 Edison, Thomas A., Llewellyn Park, Orange, N. J. Insulating compound. No. 1,083,354; Jan. 6; Gaz. vol. 198; p. 32.
 Edison, Thomas A., Llewellyn Park, West Orange, N. J. Forming chemical compounds. No. 1,083,355; Jan. 6; Gaz. vol. 198; p. 32.
 Edison, Thomas A., Llewellyn Park, West Orange, N. J. Rectifier. No. 1,099,241; June 9; Gaz. vol. 203; p. 342.
 Edison, Thomas A., Llewellyn Park, Orange, N. J. Fuel-feeding apparatus. No. 1,106,444; Aug. 11; Gaz. vol. 205; p. 340.
 Edison, Thomas A., assignor to Edison Storage Battery Company, Llewellyn Park, West Orange, N. J. Production of perforated strips. No. 1,083,353; Jan. 6; Gaz. vol. 198; p. 31.
 Edison, Thomas A., Llewellyn Park, assignor to Edison Storage Battery Company, West Orange, N. J. Storage battery. No. 1,083,356; Jan. 6; Gaz. vol. 198; p. 32.
 Edison, Thomas A., Llewellyn Park, assignor to Edison Storage Battery Company, West Orange, N. J. Electrode element. No. 1,115,463; Oct. 27; Gaz. vol. 207; p. 1203.
 Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph-reproducer. No. 1,099,346; June 9; Gaz. vol. 203; p. 379.
 Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph-reproducer. No. 1,099,347; June 9; Gaz. vol. 203; p. 380.
 Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph-reproducer. No. 1,099,348; June 9; Gaz. vol. 203; p. 380.
 Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Making sound-record molds. No. 1,099,349; June 9; Gaz. vol. 203; p. 380.
 Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Sound-modifier. No. 1,110,382; Sept. 15; Gaz. vol. 206; p. 622.
 Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Forming phonograph-styl. No. 1,110,428; Sept. 15; Gaz. vol. 206; p. 639.
 Edison, Thomas A., assignor to New Jersey Patent Company, West Orange, N. J. Phonograph-record. No. 1,111,999; Sept. 29; Gaz. vol. 206; p. 1263.
 Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Making molds for sound-records. No. 1,118,114; Nov. 24; Gaz. vol. 208; p. 1043.
 Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Sound-reproducer. No. 1,119,141; Dec. 1; Gaz. vol. 209; p. 84.
 Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Sound-record. No. 1,119,142; Dec. 1; Gaz. vol. 209; p. 85.
 Edison, William L. (See Palmer, Harry B., assignor.)
 Edlavitch, Charles J., assignor of one-half to A. Burdwise, Baltimore, Md. Violin chin-rest. No. 1,094,984; Apr. 28; Gaz. vol. 201; p. 1112.
 Edlin, George S., Makino, near Palmerston North, New Zealand. Propulsion of vessels. No. 1,117,351; Nov. 17; Gaz. vol. 208; p. 737.
 Edman Car Door Company. (See Edman, John, assignor.)
 Edman, John, assignor to Edman Car Door Company, Minneapolis, Minn. Lock for car-doors. No. 1,112,899; Oct. 6; Gaz. vol. 207; p. 170.
 Edman, John, and E. Eck, Minneapolis, Minn. Anchoring device for boats. No. 1,109,052; Sept. 1; Gaz. vol. 206; p. 70.
 Edmands, Artemas B., Milford, Mass. Knot-tying device. No. 1,112,367; Sept. 29; Gaz. vol. 206; p. 1392.
 Edmands, John W., Newton Center, Mass., assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-fusee. No. 1,103,277; July 14; Gaz. vol. 204; p. 415.
 Edmands, John W., Newton Center, Mass., assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-fusee. No. 1,103,278; July 14; Gaz. vol. 204; p. 415.
 Edmands, John W., Newton Center, Mass., assignor to Central Railway Signal Company, Pittsburgh, Pa. Fusee-cap. No. 1,103,279; July 14; Gaz. vol. 204; p. 416.
 Edmison, George A. and L., Los Angeles, Cal. Electrical heater. No. 1,088,887; Mar. 3; Gaz. vol. 200; p. 73.
 Edmison, Laurence. (See Edmison, George A. and L.)
 Edmiston, John D., Cave Springs, Ark., assignor to H. H. Dunlap, Oklahoma, Okla. Elastic cement. No. 1,122,883; Dec. 29; Gaz. vol. 209; p. 1545.
 Edmonds, Samuel O., New York, N. Y., assignor to A. B. Dick Company, Chicago, Ill. Stenciling material. No. 1,101,262; June 23; Gaz. vol. 203; p. 1128.
 Edmonds, Samuel P., Catonsville, Md. Amusement puzzle-box. No. 1,090,139; Mar. 17; Gaz. vol. 200; p. 591.
 Edmonds, Samuel P., Catonsville, Md. Life-saving appliance. No. 1,110,614; Sept. 15; Gaz. vol. 206; p. 704.

Alphabetical list of patentees—Continued.

- Edmonds, Thomas H., Washington, D. C. Car-ticket, stamp, and card holder. No. 1,089,117; Mar. 3; Gaz. vol. 200; p. 152.
- Edmonds, Walter D. (See Ladoff, Isador, assignor.)
- Edmondson, E. A., *et al.* (See Taylor, Nicholas, assignor.)
- Edmondson, George A., *et al.* (See Collier, George M., assignor.)
- Edmondson, Lagrange V. (See English and Edmondson.)
- Edmondson, Thomas R., assignor of one-half to E. G. Sporleder, Tucson, Ariz. Vehicle-bed. No. 1,107,596; Aug. 18; Gaz. vol. 205; p. 797.
- Edmondson, Thomas R., assignor of one-half to E. G. Sporleder, Tucson, Ariz. Vehicle-bed. (Reissue.) No. 1,3805; Oct. 6; Gaz. vol. 207; p. 266.
- Edmund and Jones Manufacturing Company. (See Godley, Charles E., assignor.)
- Edmunds, William H., Leesburg, Va. Lighting apparatus. No. 1,102,022; June 30; Gaz. vol. 203; p. 1445.
- Edmunds, William H., Leesburg, Va. Grease-gun-filling device. No. 1,110,909; Sept. 15; Gaz. vol. 206; p. 809.
- Edqvist, Olof F., Denver, Colo. Rotary gas-engine. No. 1,108,152; Aug. 25; Gaz. vol. 205; p. 1038.
- Edqvist, Olof F., Denver, Colo. Rotary explosive-engine. No. 1,108,980; Sept. 1; Gaz. vol. 206; p. 43.
- Edsall, Irving L., and E. T. Molzahn, Superior, Nebr. Podder-mealing machine. No. 1,097,919; May 26; Gaz. vol. 202; p. 1070.
- Edsall, William H., Wallingford, Conn. Curtain-support. No. 1,085,895; Feb. 3; Gaz. vol. 199; p. 112.
- Edsall, William H., and F. L. Lathrop, assignors to H. L. Judd Company, Wallingford, Conn. Spring-socket for curtain-rods. No. 1,095,718; May 5; Gaz. vol. 202; p. 186.
- Edstrom, Karl A., assignor of two-fifths to O. Halkowicz, Denver, Colo. Mechanism for delineating cross-section contours. No. 1,095,317; May 5; Gaz. vol. 202; p. 49.
- Edward F. Caldwell & Co. (See Tizley, Arthur J., assignor.)
- Edward, John B. (See Rutty and Edward.)
- Edward Katzinger Company. (See Cohn, Albert, assignor.)
- Edward Manufacturing Company, The. (See Lindmueller, Edward, assignor.)
- Edward Miller & Company. (See Schoenhardt, Ferdinand P., assignor.)
- Edward Packard and Company. (See Mills and Packard, assignors.)
- Edwards, Alonzo L., assignor to Wheeling Stamping Company, Wheeling, W. Va. Lantern. No. 1,113,107; Oct. 6; Gaz. vol. 207; p. 239.
- Edwards, Arthur L., Lewistown, Mont. Drill-bit. No. 1,113,968; Oct. 20; Gaz. vol. 207; p. 625.
- Edwards, Arthur W. (See Collier and Edwards.)
- Edwards, Bruce V., assignor to Edwards Engineering & Manufacturing Company, Newark, N. J. Music-roll. No. 1,122,706; Dec. 29; Gaz. vol. 209; p. 1482.
- Edwards, Charles, Gouldsboro, Pa. Oar-lock. No. 1,120,799; Dec. 15; Gaz. vol. 209; p. 744.
- Edwards, Charles R., Pekin, Ill. Pump. No. 1,084,413; Jan. 13; Gaz. vol. 198; p. 412.
- Edwards & Co. (See Lungen, Adam, assignor.)
- Edwards, Daniel W., assignor to Greenlee Bros. & Company, Rockford, Ill. Tool. No. 1,105,553; July 28; Gaz. vol. 204; p. 1294.
- Edwards, Edward W., Cincinnati, Ohio. Sheet-metal roofing. No. 1,091,049; Mar. 24; Gaz. vol. 200; p. 937.
- Edwards Engineering & Manufacturing Company. (See Edwards, Bruce V., assignor.)
- Edwards, Eugene P., assignor of one-half to said Edwards and one-half to A. S. Giles, Plainfield, N. J. Universal joint. No. 1,098,101; May 26; Gaz. vol. 202; p. 1133.
- Edwards, George, Brussels, Ontario, Canada. Ditching-machine. No. 1,113,318; Oct. 13; Gaz. vol. 207; p. 359.
- Edwards, George S., Greencastle, Pa. Dental instrument. No. 1,092,701; Apr. 7; Gaz. vol. 201; p. 198.
- Edwards, Harry C., assignor of one-half to J. T. Megredy, Kansas City, Mo. Vehicle-jack. No. 1,090,781; Mar. 17; Gaz. vol. 200; p. 812.
- Edwards, Henry E., *et al.* (See Baines, Henry C., assignor.)
- Edwards, Henry F. (See Mesker, Edwards, Smith, Stephens, and Seele.)
- Edwards, Herbert A., London, and E. A. Shilling, Barnet, assignors to Dental Manufacturing Company, Limited, London, England. Dental pin for artificial teeth. No. 1,083,893; Jan. 6; Gaz. vol. 198; p. 205.
- Edwards, Isaac L., Aurora, Ill. Buckle for traces, &c. No. 1,087,742; Feb. 17; Gaz. vol. 199; p. 850.
- Edwards, Isaac L., Aurora, Ill. Combined tie-plate and brace. No. 1,091,050; Mar. 24; Gaz. vol. 200; p. 937.
- Edwards, Isaac L., Aurora, Ill. Automatic engineer's signal. No. 1,095,388; May 5; Gaz. vol. 202; p. 73.
- Edwards, James B., assignor of one-half to A. M. Gibbes, Columbia, S. C. Grate-bar. No. 1,096,697; May 12; Gaz. vol. 202; p. 553.
- Edwards, Jessie V., Beeville, Tex. Stalk-cutter. No. 1,097,617; May 26; Gaz. vol. 202; p. 960.
- Edwards, Jessie V., Beeville, Tex. Plow. No. 1,097,920; May 26; Gaz. vol. 202; p. 1070.
- Edwards, Joseph B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Strengthening receiver-shells. No. 1,115,519; Nov. 3; Gaz. vol. 208; p. 18.
- Edwards, Joseph B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Receiver-shell. No. 1,115,520; Nov. 3; Gaz. vol. 208; p. 18.
- Edwards, Joshua L., *et al.* (See Greene, James O., assignor.)
- Edwards & Loomis Co. (See Baudoin, Louis A., assignor.)
- Edwards, Ogden E., Jr., New York, N. Y., assignor to The J. G. Brill Co., Philadelphia, Pa. Car-truck. No. 1,118,336; Nov. 24; Gaz. vol. 208; p. 1120.
- Edwards, Oliver M. (See Axe, Roy T., assignor.)
- Edwards, Oliver M. (See Axe and Edwards.)
- Edwards, Oliver M. (See Chaffee, Edward F., assignor.)
- Edwards, Oliver M. (See Mugnier, Raymond, assignor.)
- Edwards, Oliver M. (See Netter, Raphaël, assignor.)
- Edwards, Oliver M. (See Ohnstrand, Enoch, assignor.)
- Edwards, Oliver M. (See Stuck, Everett, assignor.)
- Edwards, Oliver M., Syracuse, N. Y. Sash-holding device. No. 1,096,813; May 12; Gaz. vol. 202; p. 593.
- Edwards, Oliver M., Syracuse, N. Y. Window-sash holding device. No. 1,100,820; June 23; Gaz. vol. 203; p. 975.
- Edwards, Oliver M., Syracuse, N. Y. Trap-door lock for railway-cars and similar structures. No. 1,113,547; Oct. 13; Gaz. vol. 207; p. 440.
- Edwards, Oliver M., Syracuse, N. Y. Trap-door for railway-cars and similar structures. No. 1,119,940; Dec. 8; Gaz. vol. 209; p. 393.
- Edwards, Pearl M. (See Campbell, Calvin N., assignor.)
- Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Rolling-mill plant. No. 1,104,349; July 21; Gaz. vol. 204; p. 826.
- Edwards, Whitfield H., Tamina, Tex. Nut-lock. No. 1,105,763; Aug. 4; Gaz. vol. 205; p. 62.
- Edwards, William, Winnipeg, Manitoba, Canada. Safety lock-shoe for rails. No. 1,099,288; June 9; Gaz. vol. 203; p. 358.
- Edwards, William C., Jr., Kansas City, Mo. Reinforcement and centering. No. 1,094,985; Apr. 28; Gaz. vol. 201; p. 1112.
- Edwin B. Stimpson Company. (See Stimpson, Edwin B., assignor.)
- Edwin, Emil. (See Troye and Edwin.)
- Edwin, Emil, M. Hähle, and B. Strasser, Ludwigshafen-on-the-Rhine, Germany, assignors to Norsk Hydro-Elektrisk Kvaestofaktieselskab, Christiania, Norway. Carrying out chemical reactions in gases by means of electric arcs. No. 1,111,301; Sept. 22; Gaz. vol. 206; p. 986.
- Edwin Harrington, Son & Co. (See Harrington and Scott, assignors.)
- Edwin Harrington, Son & Company. (See Scott, Robert F., assignor.)
- Eek, Albin C., Webster Groves, assignor to J. C. Streett and G. H. Shields, Jr., St. Louis, Mo. Pipe-cleaner. No. 1,099,541; June 9; Gaz. vol. 203; p. 446.
- Eells, Henry B., and I. H. Kaufman, assignors to James Beggs & Co., New York, N. Y. Filter connection. No. 1,108,153; Aug. 25; Gaz. vol. 205; p. 1038.
- Egan, James, Chicago, Ill. Wrecking-truck. No. 1,116,579; Nov. 10; Gaz. vol. 208; p. 425.
- Egan, James H., and J. H. Frierson, Charleston, S. C. Slot-machine. No. 1,084,076; Jan. 13; Gaz. vol. 198; p. 301.
- Egan, Mathew M., Fort Worth, Tex. Food-mixer. No. 1,095,719; May 5; Gaz. vol. 202; p. 186.
- Egan, Michael F. (See Loney and Egan.)
- Egan, Patrick. (See Hipwood and Egan.)
- Eger, Mary, Syracuse, N. Y. Flower-box. No. 1,084,414; Jan. 13; Gaz. vol. 198; p. 412.
- Egerton, Charles O., assignor to Hudson Motor Car Company, Detroit, Mich. Gasolene-gage. No. 1,109,669; Sept. 8; Gaz. vol. 206; p. 327.
- Egerton, Henry C., Passaic, N. J., assignor to Western Electric Company, New York, N. Y. Telephone transmission-circuits. No. 1,089,825; Mar. 10; Gaz. vol. 200; p. 443.
- Egerton, Henry C., Passaic, N. J., assignor to Western Electric Company, New York, N. Y. Train-despatcher's telephone-circuit. No. 1,110,913; Sept. 15; Gaz. vol. 206; p. 810.
- Egerton, Henry C., Ridgewood, N. J., assignor to Western Electric Company, New York, N. Y. Loud-speaking transmitter. No. 1,111,253; Sept. 22; Gaz. vol. 206; p. 970.
- Eggart, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Jacquard embroidery-machine. No. 1,101,263; June 23; Gaz. vol. 203; p. 1129.
- Eggart, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Jacquard-card-perforating machine. No. 1,104,641; July 21; Gaz. vol. 204; p. 927.
- Eggart, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Jacquard-card-perforating machine. No. 1,108,492; Aug. 25; Gaz. vol. 205; p. 1157.
- Eggart, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Jacquard embroidery-machine. No. 1,118,115; Nov. 24; Gaz. vol. 208; p. 1044.
- Eggart, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Machine for punching jacquard-cards. No. 1,118,481; Nov. 24; Gaz. vol. 208; p. 1173.

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- Eggers, Alfred C., assignor to C. A. Tyrrell, New York, N. Y. Rectal syringe. No. 1,087,935; Feb. 24; Gaz. vol. 199; p. 961.
- Eggers, Anton C., New York, N. Y., assignor to Good-year's India Rubber Glove Mfg. Co., Naugatuck, Conn. Hot-water bottle. No. 1,116,683; Nov. 10; Gaz. vol. 208; p. 463.
- Eggers, Ferdinand, Denver, Colo. Quick-adjustment wrench. No. 1,117,173; Nov. 17; Gaz. vol. 208; p. 672.
- Eggers, Walter, Baltimore, Md. Attachment for trolley-harps. No. 1,118,847; Nov. 24; Gaz. vol. 208; p. 1297.
- Eggert, Theodore R., *et al.* (See Tree, Eber B., assignor.)
- Eggleston, Egbert H. (See Sargent and Eggleston.)
- Eggleston, Harvey L., Tulare, Cal. Road-dresser. No. 1,107,770; Aug. 18; Gaz. vol. 205; p. 859.
- Eggleston, James W., Minneapolis, Minn. Detachable handle for screw-drivers. No. 1,096,529; May 12; Gaz. vol. 202; p. 498.
- Eggleston, Lewis W., Wheaton, assignor to American Radiator Company, Chicago, Ill. Steam-radiator. No. 1,104,350; July 21; Gaz. vol. 204; p. 826.
- Eggleston, Raymond L., Houghton, Mich. Ventilator for windows. No. 1,102,023; June 30; Gaz. vol. 203; p. 1446.
- Eggleton, Samuel W., assignor of one-fourth to H. S. Vaughn, Louisville, Ky. Rotary pump. No. 1,096,804; May 12; Gaz. vol. 202; p. 590.
- Egli, Arnold, assignor to Vogtländische Maschinen-Fabrik (vormals J. C. & H. Dietrich) Aktiengesellschaft, Plauen, Germany. Locking device for stereotype-matrices. No. 1,090,842; Mar. 24; Gaz. vol. 200; p. 864.
- Egli, Eduard, assignor to Maschinenfabrik Rüti formerly Casper Honegger, Rüti, Switzerland. Thread-cutting mechanism for weft-replenishing looms. No. 1,104,880; July 28; Gaz. vol. 204; p. 1059.
- Egly, Georg, Treptow, assignor to Gebrueder Siemens & Co., Lichtenberg, near Berlin, Germany. Fireproof electrically-conducting bodies and manufacturing the same. No. 1,084,199; Jan. 13; Gaz. vol. 198; p. 343.
- Egly, Georg, Treptow, assignor to Gebrueder Siemens & Co., Berlin, Germany. Electric heater. No. 1,103,353; July 14; Gaz. vol. 204; p. 441.
- Egry Register Company, The. (See Jensen, Hans L., assignor.)
- Egry Register Company, The. (See Malm, Axel, assignor.)
- Egry Register Company, The. (See Nickol and Stern, assignors.)
- Egry Register Company, The. (See Stern, Milton C., assignor.)
- Egry Register Company, The. (See Stern and Malm, assignors.)
- Ehlt, Arthur W., Lebanon, Oreg. Railway-spike. No. 1,102,485; July 7; Gaz. vol. 204; p. 92.
- Ehlinger, Christopher, assignor to B. B. Hunter, Waterloo, Iowa. Furnace. No. 1,084,321; Jan. 13; Gaz. vol. 198; p. 383.
- Ehman, Charles, Decatur, Ill. Veneer-trimming machine. No. 1,086,355; Feb. 10; Gaz. vol. 199; p. 317.
- Ehrenberg, Ernst O. (See Wild and Ehrenberg.)
- Ehrenfeld, William C. (See Show, John D., assignor.)
- Ehret, Cornelius D., Philadelphia, Pa. Process and apparatus for making wire-glass. No. 1,113,208; Oct. 13; Gaz. vol. 207; p. 319.
- Ehrhardt, Frank, Newark, N. J. Refuse-depository. No. 1,109,911; Sept. 8; Gaz. vol. 206; p. 414.
- Ehrhardt, Jacob, Ramona, Kans. Weed-screen. No. 1,089,190; Mar. 3; Gaz. vol. 200; p. 180.
- Ehrhart, Raymond N., Edgewood, Pa., assignor to The Westinghouse Machine Company. Condenser. No. 1,116,042; Nov. 3; Gaz. vol. 208; p. 197.
- Ehrick, Harry C., Bucyrus, Ohio. Adjustable brick or tile die. No. 1,114,870; Oct. 27; Gaz. vol. 207; p. 996.
- Ehrismann, Henry. (See Durbin and Ehrismann.)
- Ehrle, Oscar F., Long Beach, N. Y. Pencil-clip. No. 1,094,888; Apr. 28; Gaz. vol. 201; p. 1077.
- Ehrler, Charles, Rolla, Mo. Shotgun-barrel attachment. No. 1,089,403; Mar. 10; Gaz. vol. 200; p. 295.
- Ehrlich, Paul, and H. Bauer, Frankfort-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Colored compound of the seleno-azin series and making same. No. 1,087,157; Feb. 17; Gaz. vol. 199; p. 644.
- Ehrlich, Paul, and A. Berthelm, Frankfort-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Polyarseno compound and making same. No. 1,100,720; June 23; Gaz. vol. 203; p. 940.
- Ehrlich, Paul, and A. Berthelm, Frankfort-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Dihydrochlorid of diaminodioxyarsenobenzene. No. 1,116,398; Nov. 10; Gaz. vol. 208; p. 358.
- Ehrlich, Paul, and P. Karrer, Frankfort-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Arsenostibino compounds and making same. No. 1,108,154; Aug. 25; Gaz. vol. 205; p. 1039.
- Ehrlich, Paul, and P. Karrer, Frankfort-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Alkali metal salts of 3,3'-diamino-4,4'-dioxyarsenobenzene combined with copper and making same. No. 1,117,352; Nov. 17; Gaz. vol. 208; p. 737.
- Ehrlich, Paul, and P. Karrer, Frankfort-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Arseno-azo compound and making same. No. 1,120,700; Dec. 15; Gaz. vol. 209; p. 710.
- Ehrlich, Paul, Frankfort-on-the-Main, B. Reuter, Höchst-on-the-Main, and P. Karrer, Frankfort-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Arseno-metal preparations and making same. No. 1,091,881; Mar. 31; Gaz. vol. 200; p. 1265.
- Ehrlich, Robert, Baltimore, Md. Grease-cup. No. 1,110,120; Sept. 8; Gaz. vol. 206; p. 490.
- Ehrstine, William H., and D. E. Hess, Bradford, Ohio. Combined step-ladder and ironing-board. No. 1,120,800; Dec. 15; Gaz. vol. 209; p. 744.
- Eiberle, Paul, Baltimore, Md. Hair braiding or weaving apparatus. No. 1,107,052; Aug. 11; Gaz. vol. 205; p. 554.
- Eibig, Paul, Nieder-Schönhausen, Germany, assignor to General Electric Company. Bearing for electric meters. No. 1,104,176; July 21; Gaz. vol. 204; p. 766.
- Eichberg, Friedrich, Berlin, Germany, assignor to General Electric Company. Repulsion-motor control. No. 1,093,983; Apr. 21; Gaz. vol. 201; p. 707.
- Eichberg, Simon, Chicago, Ill. Buckle. No. 1,088,408; Feb. 24; Gaz. vol. 199; p. 1124.
- Eichelberger, Lewis H., Baltimore, Md. Mixing concrete and the like. No. 1,097,084; May 19; Gaz. vol. 202; p. 733.
- Eichfeld, William F., Milwaukee, Wis. Universal door-frame. No. 1,110,314; Sept. 15; Gaz. vol. 206; p. 597.
- Eichhoff, Walter E., South Pasadena, Cal. Wire-reel. No. 1,108,726; Aug. 25; Gaz. vol. 205; p. 1237.
- Eichhorn, Augustus, Orange, N. J. Greenhouse construction. No. 1,101,418; June 23; Gaz. vol. 203; p. 1181.
- Eichhorn, Hermann. (See Diehl and Eichhorn.)
- Eichhorn, Hermann, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Sewing-machine lubricating device. No. 1,097,403; May 19; Gaz. vol. 202; p. 844.
- Eichhorn, Jacob C., assignor to The Victor Jar Company, Detroit, Mich. Closure for vessels. No. 1,088,133; Feb. 24; Gaz. vol. 199; p. 1032.
- Eichinger, George M., Clear Lake, S. D. Hoisting-machine. No. 1,094,645; Apr. 28; Gaz. vol. 201; p. 992.
- Eichler, Mathilde, New York, N. Y. Gravy-dish. No. 1,121,993; Dec. 22; Gaz. vol. 209; p. 1198.
- Eichorn, Frederick A., Chattanooga, Tenn. Main-rod brass. No. 1,118,749; Nov. 24; Gaz. vol. 208; p. 1265.
- Eick, Otto, Baltimore, Md. Apparatus for handling bottles or other containers. No. 1,106,033; Aug. 4; Gaz. vol. 205; p. 157.
- Eick, Otto, Baltimore, Md. Brush for cleaning bottles or other containers. No. 1,106,034; Aug. 4; Gaz. vol. 205; p. 157.
- Eick, Otto, Baltimore, Md. Apparatus for cleansing bottles. No. 1,110,615; Sept. 15; Gaz. vol. 206; p. 705.
- Eickemeyer, Karl, Munich, Germany. Universal carriage-locomotive. No. 1,091,125; Mar. 24; Gaz. vol. 200; p. 963.
- Eickhoff, John C., Blackcreek, Wis. Gearing. No. 1,087,936; Feb. 24; Gaz. vol. 199; p. 961.
- Eickman, Walter C., Dayton, Ohio. Lawn-sprinkling device. No. 1,100,963; June 23; Gaz. vol. 203; p. 1026.
- Eidsæther, Olaf, Mjøndalen, Norway. Log-peeling machine. No. 1,090,463; Mar. 17; Gaz. vol. 200; p. 706.
- Eldson, Charles G. (See Crouse, Eldson, and Davis.)
- Eigen, Benno vom, Newark, N. J., assignor to Aug. Goertz & Co. Coin-repository or bank. No. 1,086,148; Feb. 3; Gaz. vol. 199; p. 203.
- Eigen, Benno vom, Newark, N. J., assignor to Aug. Goertz & Co. Closure for coin-repositories. No. 1,108,349; Aug. 25; Gaz. vol. 205; p. 1107.
- Eigen, Benno vom, Newark, N. J., assignor to August Goertz & Co. Match-box. No. 1,108,429; Aug. 25; Gaz. vol. 205; p. 1133.
- Eigen, Benno vom, Newark, N. J., assignor to August Goertz & Co. Safety-catch for bag-frames. No. 1,108,430; Aug. 25; Gaz. vol. 205; p. 1134.
- Eikenberg, Charles F., St. Louis, Mo. Combined counter and foot-rail bracket. No. 1,083,357; Jan. 6; Gaz. vol. 198; p. 32.
- Eiker, Charles F., *et al.* (See Gross, Edward L., assignor.)
- Eiker, Charles F. (See Kopperl, Joseph I., assignor.)
- Eiker, Thaddeus B., Allenhurst, N. J. Carbureter. No. 1,103,178; July 14; Gaz. vol. 204; p. 381.
- Eilau, Adolph J., Chicago, Ill. Milliner's iron. No. 1,102,399; July 7; Gaz. vol. 204; p. 62.
- Eilers, Emil. (See Eilers, Fritz, Jr., and E.)
- Eilers, Fritz, Jr., and E., Bielsfeld, Germany. Fitting for loose-leaf books. No. 1,100,548; June 16; Gaz. vol. 203; p. 828.

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- Ellis, Victor A., Rush Center, Kans. Wind-shield for manure-spreaders. No. 1,101,530; June 30; Gaz. vol. 203; p. 1271.
- Eimer, August, New York, N. Y. Pressure and relief pump. No. 1,091,566; Mar. 31; Gaz. vol. 200; p. 1154.
- Einfeldt, Emil, assignor, by mesne assignments, to G. W. and N. French and J. L. Hecht, Davenport, Iowa. Making wheel-tires. No. 1,092,477; Apr. 7; Gaz. vol. 201; p. 123.
- Einfeldt, Emil, assignor, by mesne assignments, to G. W. and N. French and J. L. Hecht, Davenport, Iowa. Machine for making metal tires. No. 1,092,478; Apr. 7; Gaz. vol. 201; p. 123.
- Einstein, Robert E., assignor to St. Louis Frog & Switch Company, St. Louis, Mo. Tongue-switch. No. 1,112,058; Sept. 29; Gaz. vol. 206; p. 1283.
- Einstein, Sam S. (See Bierce, Fred N., assignor.)
- Einstein, Sol, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Quick-traverse control. No. 1,092,097; Mar. 31; Gaz. vol. 200; p. 1336.
- Einstein, Sol, assignor to The Cincinnati Milling Machine Company, Oakley, Cincinnati, Ohio. Automatic feed, quick-traverse, and reverse control. No. 1,092,479; Apr. 7; Gaz. vol. 201; p. 124.
- Einstein, Sol, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Feed-change arrangement. No. 1,120,650; Dec. 8; Gaz. vol. 209; p. 645.
- Elrich, Carl. (See Thompson and Elrich.)
- Elrich, Joseph. (See Elrich, Ludwig and J.)
- Elrich, Joseph L., Brooklyn, N. Y. Train-stopping device. No. 1,089,191; Mar. 3; Gaz. vol. 200; p. 180.
- Elrich, Ludwig and J., Hardheim, Germany. Machine for mixing concrete and the like. No. 1,095,980; May 5; Gaz. vol. 202; p. 273.
- Elsele, Louis F., Philadelphia, Pa. Medicine-cabinet. No. 1,095,318; May 5; Gaz. vol. 202; p. 50.
- Elsemann, Ernst, Stuttgart, Germany. Ignition-coil. No. 1,108,892; Sept. 1; Gaz. vol. 206; p. 10.
- Eisemann Magneto Co. (See Gassmann, Eugene, assignor.)
- Elsen, Frederick, Yonkers, N. Y. Sled attachment. No. 1,122,707; Dec. 29; Gaz. vol. 209; p. 1483.
- Eisengraber, Ernst, Frankfurt-on-the-Main, Germany. Welding-powder for welding iron and steel. No. 1,091,312; Mar. 24; Gaz. vol. 200; p. 1026.
- Eisenhauer, Herbert L., Euclid, Ohio. Safety device for vehicles. No. 1,111,888; Sept. 29; Gaz. vol. 206; p. 1229.
- Eisenhower, Jacob F., Chestnut Ridge, N. J. Fender. No. 1,117,988; Nov. 24; Gaz. vol. 208; p. 999.
- Eisenhütten-Aktien-Verein Düdelingen. (See Kihn, Nicolas, assignor.)
- Eisenmann, Carl W., Chicago, Ill. Automatically-operated switch. No. 1,106,372; Aug. 11; Gaz. vol. 205; p. 316.
- Eisenmann, Richard, Chicago, Ill. Tire-supporting receptacle. No. 1,091,818; Mar. 31; Gaz. vol. 200; p. 1243.
- Eisermann, Rudolf, Berlin, and J. Lehne, Charlottenburg, Germany, assignors to The American Rotary Machine Company, New York, N. Y. Rotary expansion-engine. No. 1,089,752; Mar. 10; Gaz. vol. 200; p. 418.
- Eisler, Henry G., Chicago, Ill. Clothes-drier. No. 1,122,486; Dec. 29; Gaz. vol. 209; p. 1403.
- Eisler Manufacturing Company. (See Castor and Kiefer, assignors.)
- Eizerman, William H., Detroit, Mich. Pump. No. 1,087,160; Feb. 17; Gaz. vol. 199; p. 644.
- Ek, Arvid, Portland, Me. Hanger attachment for garments. No. 1,118,750; Nov. 24; Gaz. vol. 208; p. 1265.
- Eklom, Exel, London, England. Safety-blocks for boat-falls and other purposes. No. 1,096,831; May 19; Gaz. vol. 202; p. 642.
- Ekedahl, Karl J., Chicago, Ill. Mail-delivery system. No. 1,120,293; Dec. 8; Gaz. vol. 209; p. 517.
- Ekehorn, Sven A., Stockholm, Sweden. Digging-machine. No. 1,096,160; May 12; Gaz. vol. 202; p. 372.
- Ekelund, John A. (See Ostdiek and Ekelund.)
- Ekelund, John A., assignor to Ekelund Toy and Novelty Company, Minneapolis, Minn. Toy horseshoe game. No. 1,113,969; Oct. 20; Gaz. vol. 207; p. 626.
- Ekelund Toy and Novelty Company. (See Ekelund, John A., assignor.)
- Eklund, Georg T., San Francisco, Cal. Swinging-sash connection. No. 1,106,791; Aug. 11; Gaz. vol. 205; p. 465.
- Eklund, Gustav, New York, N. Y., assignor to Dressel Railway Lamp Works. Lamp-burner. No. 1,109,327; Sept. 1; Gaz. vol. 206; p. 168.
- Eklund, Isak, Chicago, Ill., assignor to The Pocket Umbrella Company. Umbrella. No. 1,098,027; May 26; Gaz. vol. 202; p. 1108.
- Ekman, Carl F., Oskaloosa, Iowa. Street-car fender. No. 1,100,359; June 16; Gaz. vol. 203; p. 764.
- Ekstrom, Martin, Kiron, Iowa. Spring-fork. No. 1,096,417; May 12; Gaz. vol. 202; p. 460.
- Ekstrom, Oscar A. (See Lundahl and Ekstrom.)
- Ekström, Per G., Skutskär, Sweden. Producing cellulose. No. 1,087,743; Feb. 17; Gaz. vol. 199; p. 851.
- Ekström, Per G., Skutskär, Sweden. Converting of cellulose into fermentable sugar. No. 1,087,744; Feb. 17; Gaz. vol. 199; p. 851.
- Ekström, Per G., Harnäs, Sweden. Purifying alcohol manufactured by distilling fermented sulfate liquor. No. 1,095,830; May 5; Gaz. vol. 202; p. 224.
- Ekström, Per G., Harnäs, Sweden. Neutralizing acid lyes. No. 1,098,561; June 2; Gaz. vol. 203; p. 72.
- Ekström, Per G., Harnäs, Sweden. Apparatus for neutralizing acid lyes. No. 1,098,562; June 2; Gaz. vol. 203; p. 72.
- Ekström, Per G., Skutskär, assignor to Stora Kopparbergs Bergslags Aktiebolag, Falun, Sweden. Removing organic constituents from residues obtained in producing alcohol from waste sulfate cellulose lyes or similar liquids. No. 1,087,356; Feb. 17; Gaz. vol. 199; p. 713.
- Ela, Edgar W., administrator. (See Ela, Jonathan C.)
- Ela, Jonathan C., deceased, Woburn, assignor of one-fourth to J. W. Grimes, Reading, and one-fourth to H. S. Riley, Woburn, Mass.; E. W. Ela, administrator. Awning-frame and hinges therefor. No. 1,102,251; July 7; Gaz. vol. 204; p. 10.
- Elam, William E., Washington, D. C. Tobacco-pipe cleaner. No. 1,103,134; July 14; Gaz. vol. 204; p. 365.
- Elastic Wheel Company, The. (See Hatfield, Schuyler C., assignor.)
- Elbe, Henry, Maspeth, assignor to Lord Manufacturing Company, New York, N. Y. Controller-regulator. No. 1,085,854; Feb. 3; Gaz. vol. 199; p. 98.
- Elbe, Otto, Chicago, Ill. Cleaning-tool. No. 1,090,698; Mar. 17; Gaz. vol. 200; p. 785.
- Elder, Donald, Orehunga, New Zealand. Apparatus for spraying gardens, roads, and the like. No. 1,121,618; Dec. 22; Gaz. vol. 209; p. 1065.
- Elder, Edward H., Chicopee Falls, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. No. 1,085,328; Jan. 27; Gaz. vol. 198; p. 789.
- Elder, Robert, and W. T. Krausch, La Grange, assignors to Fairbanks, Morse & Company, Chicago, Ill. Hoisting and conveying mechanism. No. 1,122,708; Dec. 29; Gaz. vol. 209; p. 1483.
- Elders, George C., assignor of one-half to B. O. Childers, Enoree, S. C. Lubricating system. No. 1,121,908; Dec. 22; Gaz. vol. 209; p. 1168.
- Eldred, Byron E., New York, N. Y. Lining furnaces. No. 1,091,567; Mar. 31; Gaz. vol. 200; p. 1155.
- Eldredge, Francis E., deceased, Waverly, Iowa; R. J. Eldredge, administrator. Stock and grain rack. No. 1,119,585; Dec. 1; Gaz. vol. 209; p. 237.
- Eldredge, Henry C., Cincinnati, Ohio. Bookbinder's rounding and backing machine. No. 1,097,012; May 19; Gaz. vol. 202; p. 705.
- Eldredge, Robert J., administrator. (See Eldredge, Francis E.)
- Eldridge, Hilliary. (See Rocky, Eldridge, and Clark.)
- Eldridge, John A., Acton, Me., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting apparatus. No. 1,110,315; Sept. 15; Gaz. vol. 206; p. 597.
- Eldridge, Reuben C., Niagara Falls, Ontario, Canada, and J. Willers, Niagara Falls, N. Y.; said Willers assignor to said Eldridge. Animal-trap. No. 1,115,793; Nov. 3; Gaz. vol. 208; p. 110.
- Eldridge, William T., assignor to Imperial Sugar Company, Sugar Land, Tex. Stock food. No. 1,089,630; Mar. 10; Gaz. vol. 200; p. 376.
- Electrelle Company. (See Dorricott, Charles W., assignor.)
- Electrelle Company. (See Smith, Irving B., assignor.)
- Electri-Sterilizing Company. (See Smith, Franklin S., assignor.)
- Electric Bank Protection Company. (See Williams, John P., assignor.)
- Electric Boat Company. (See Bartlett, Charles H., assignor.)
- Electric Boat Company. (See Gunn, Thomas M., assignor.)
- Electric Boat Company. (See Lagergren, Gustav M., assignor.)
- Electric Boat Company. (See Whiting, Kenneth, assignor.)
- Electric Carrier Company. (See McLeer, Charles B. and J. F., assignors.)
- Electric Compositor Company. (See Bellows, Benjamin F., assignor.)
- Electric Compositor Company. (See Goddard, Edward F., assignor.)
- Electric Compositor Company. (See Hammond, Guy L., assignor.)
- Electric Compositor Company. (See Le Boeuf, Arthur W., assignor.)
- Electric Compositor Company. (See Petri-Palmedo, David, assignor.)
- Electric Controller and Manufacturing Company, The. (See Frost, Homer E., assignor.)
- Electric Controller and Manufacturing Company, The. (See Hall, Jay H., assignor.)
- Electric Controller and Manufacturing Company, The. (See Stratton, Harry F., assignor.)
- Electric Controller and Manufacturing Company, The. (See Wright, Reuben I., assignor.)

Alphabetical list of patentees—Continued.

- Electric Controller and Manufacturing Company, The. (See Wright and Stratton, assignors.)
- Electric Goods Manufacturing Company. (See Thomson and Michaelson, assignors.)
- Electric Heat Storage Company. (See Lawrence, James, assignor.)
- Electric Mailing Machine Company. (See Markoe, John A., assignor.)
- Electric Meat Curing Company, The. (See Lincoln, John C., assignor.)
- Electric Nail Company. (See Vaughan, Thomas M., assignor.)
- Electric & Ordnance Accessories Company, The. (See Langley and Price, assignors.)
- Electric Railway Improvement Company, The. (See Herick, Albert B., assignor.)
- Electric Renovator Manufacturing Co. (See Noé, Amon T., assignor.)
- Electric Renovator Manufacturing Company. (See Harroun, Ray W., assignor.)
- Electric Renovator Manufacturing Company. (See Thurman, Charles R., assignor.)
- Electric Rubber Reclaiming Company, The. (See Johnston, John F., assignor.)
- Electric Score Board Company. (See Baird, William S., assignor.)
- Electric Security Company. (See Colby, Alson B., assignor.)
- Electric Service Supplies Company. (See Cox and Shields, assignors.)
- Electric Service Supplies Company. (See Ebersole, Cyrus P., assignor.)
- Electric Service Supplies Company. (See Hecht and Gappen, assignors.)
- Electric Service Supplies Company. (See Hershey, Jacob R., assignor.)
- Electric Signagraph and Semaphore Company, The. (See Webb, Jean F., Jr., assignor.)
- Electric Smelting and Aluminum Company, The. (See Cowles, Alfred H., assignor.)
- Electric Specialties Company. (See Russell, Henry H., assignor.)
- Electric Storage Battery Company, The. (See Entz, Justus B., assignor.)
- Electric Storage Battery Company, The. (See Hull, Robert C., assignor.)
- Electric Tachometer Company, The. (See Hopkins, Nevil M., assignor.)
- Electric Time Recorder Company. (See Straub, William F., assignor.)
- Electric Undercurrent Company. (See Barnhart, Anthony W., assignor.)
- Electric Weighing Company. (See Messiter, Edwin H., assignor.)
- Electric Welding Company, The. (See Beam, Frank E., assignor.)
- Electrical Advertising Company. (See Wood, Joseph E., assignor.)
- Electrical Conveying Machinery Company. (See Messick, Charles, assignor.)
- Electrical Experiment Company. (See Spence, Jesse L., assignor.)
- Electro-Chemical Rubber Manufacturing Company. (See Daff, Leo, assignor.)
- Electro Dental Manufacturing Company. (See Schramm, Adolph W., assignor.)
- Electro Dental Manufacturing Company. (See Schramm and Russell, assignors.)
- Electro Surgical Instrument Company. (See Carroll, George G., assignor.)
- Electrochemische Werke, G. m. b. H. (See Faehr, Paul, assignor.)
- Electrode Company of America. (See Héroult, Paul L. T., assignor.)
- Electrolytic Products Company. (See Feldkamp, Frederick A., assignor.)
- Electromobile Company, The. (See Bernheimer, Sanford J., assignor.)
- Elektro-Osmose A. G. (Graf Schwerin-Gesellschaft). (See Schwerin, Botho, assignor.)
- Elevator Supply & Repair Company. (See André, August, assignor.)
- Elevator Supply & Repair Company. (See Hughes, William B., assignor.) (Reissue.)
- Elevator Supply and Repair Company. (See Newbury, Henry F., assignor.)
- Elevator Supply & Repair Company. (See Payne, Fred S., assignor.)
- Elevator Supply & Repair Company. (See Schenck, Charles, assignor.)
- Elevator Supply & Repair Company. (See Schenck and Graham, assignors.)
- Elevator Supply & Repair Company. (See Wyld and Schenck, assignors.)
- Elfborg, Henry G., Chicago, Ill. Guard-rail. No. 1,088,975; Mar. 3; Gaz. vol. 200; p. 104.
- Elfborg, Henry G., assignor to Ajax Rail Anchor Co., Chicago, Ill. Anti-rail-creeper. No. 1,083,603; Jan. 6; Gaz. vol. 198; p. 114.
- Elfborg, Henry G., assignor to Ajax Rail Anchor Co., Chicago, Ill. Anti-rail-creeper. No. 1,088,976; Mar. 3; Gaz. vol. 200; p. 105.
- Elfes, Eugene W., Minneapolis, Minn. Attachment for printing-presses. No. 1,119,414; Dec. 1; Gaz. vol. 209; p. 178.
- Elger, Franz, Basel, Switzerland, assignor to Hoffmann-La Roche Chemical Works, New York, N. Y. Non-hygroscopic malt-extract preparations and making the same. No. 1,100,176; June 16; Gaz. vol. 203; p. 701.
- Elger, Joseph, Chicago, Ill. Radiator. No. 1,119,415; Dec. 1; Gaz. vol. 209; p. 178.
- Elger, Joseph, Chicago, Ill. Sectional radiator-tube, connector, expander, and flanger. No. 1,119,416; Dec. 1; Gaz. vol. 209; p. 178.
- Elgin National Watch Company. (See Hunter, George E., assignor.)
- Eli Lilly and Company, The. (See Davis, Alex B., assignor.)
- Eli Lilly & Company, The. (See Tenca, Louis P., assignor.)
- Elia, Giovanni E., Rome, Italy. Submarine mine. No. 1,092,143; Apr. 7; Gaz. vol. 201; p. 7.
- Elia, Giovanni E., Rome, Italy. Submarine mine. No. 1,092,702; Apr. 7; Gaz. vol. 201; p. 199.
- Elia, Giovanni E., Rome, Italy. Firing apparatus for moored torpedoes. No. 1,092,703; Apr. 7; Gaz. vol. 201; p. 199.
- Elia, Giovanni E., Rome, Italy. Submarine mine. No. 1,096,698; May 12; Gaz. vol. 202; p. 553.
- Elia, Giovanni E., Paris, France, assignor to Vickers Limited, Westminster, England. Anchor for submarine mines. No. 1,095,831; May 5; Gaz. vol. 202; p. 224.
- Elias, Jacques. (See Kalhaus, Ernst, assignor.)
- Eliason, Axel S., assignor of one-fourth to E. Nelson and one-fourth to O. Person, New York, N. Y. Switch-operating mechanism. No. 1,112,691; Oct. 6; Gaz. vol. 207; p. 101.
- Eliason, Edwin H., and G. H. Ziegler, Philadelphia, Pa., assignors to Eliason Manufacturing Company, Wilmington, Del. Machine for forming heel-lining inserts for boots and shoes. No. 1,118,541; Nov. 24; Gaz. vol. 208; p. 1194.
- Eliason, Edwin H., and G. H. Ziegler, Philadelphia, Pa., assignors to Eliason Manufacturing Company, Wilmington, Del. Heel-guard. No. 1,122,884; Dec. 29; Gaz. vol. 209; p. 1545.
- Eliason Manufacturing Company. (See Eliason and Ziegler, assignors.)
- Elick, Robert E., Springfield, Mo. Triple-valve-grinding machine. No. 1,100,360; June 16; Gaz. vol. 203; p. 765.
- Elite Manufacturing Company, The. (See Burkholder, John H., assignor.)
- Elkin, Charles, New York, N. Y. Hose-attaching device. No. 1,091,819; Mar. 31; Gaz. vol. 200; p. 1243.
- Elkin, Jacob G., New York, N. Y. Connecting-clip for electrical conductors. No. 1,096,699; May 12; Gaz. vol. 202; p. 554.
- Elkins, Abraham, and M. Persten, Brooklyn, N. Y. Bed-cornor. No. 1,119,690; Dec. 1; Gaz. vol. 209; p. 272.
- Elkins, Harry D., and E. Ball, Marion, Ind. Drum. No. 1,121,909; Dec. 22; Gaz. vol. 209; p. 1168.
- Elkins, James E., Needles, Cal. Game. No. 1,100,549; June 16; Gaz. vol. 203; p. 828.
- Ellenbecker, Hugo N., Sheboygan, Wis. Inking device for printing-presses. No. 1,086,356; Feb. 10; Gaz. vol. 199; p. 318.
- Ellenson, John, Superior, Wis. Revolving meat-block. No. 1,088,065; Feb. 24; Gaz. vol. 199; p. 1007.
- Ellery, Robert L., Toledo, Ohio. Making valves. No. 1,121,619; Dec. 22; Gaz. vol. 209; p. 1065.
- Ellick, Frank I., Omaha, Nebr. Leaf-binding clasp. No. 1,105,025; July 28; Gaz. vol. 204; p. 1108.
- Ellicott, Edward B., Chicago, Ill., assignor to General Electric Company. Cut-out and fuse mechanism. No. 1,087,357; Feb. 17; Gaz. vol. 199; p. 714.
- Ellicott, Francis, Ruxton, Md. Means for lubricating engine-cylinders. No. 1,103,354; July 14; Gaz. vol. 204; p. 441.
- Ellingen, Edward J. H., Mineral Point, Wis. Stove-lifter. No. 1,122,374; Dec. 29; Gaz. vol. 209; p. 1366.
- Ellinger, Jacob B. (See Spicer, Thomas J., assignor.)
- Ellinger, Julian O., New York, N. Y. Reinforcement for concrete construction. No. 1,087,438; Feb. 17; Gaz. vol. 199; p. 743.
- Ellinger, Julian O., New York, N. Y. Reinforcement for concrete construction. No. 1,087,439; Feb. 17; Gaz. vol. 199; p. 744.
- Ellinger, Julian O., New York, N. Y. Reinforcement for concrete construction. No. 1,094,841; Apr. 28; Gaz. vol. 201; p. 1062.
- Ellinger, Julian O., New York, N. Y. Collapsible frame for concrete construction. No. 1,094,842; Apr. 28; Gaz. vol. 201; p. 1062.
- Ellinger, Julian O., New York, N. Y. Unit-bar for concrete construction. No. 1,094,843; Apr. 28; Gaz. vol. 201; p. 1063.
- Ellinger, Julian O., New York, N. Y. Collapsible metallic structure. No. 1,094,844; Apr. 28; Gaz. vol. 201; p. 1063.

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- Ellinger, Julian O., New York, N. Y. Reinforcement for concrete construction. No. 1,094,845; Apr. 28; Gaz. vol. 201; p. 1063.
- Ellingson, Elling, assignor to Bragstad Concrete Machinery Co., Inc., Canton, S. D. Concrete-block-molding machine. No. 1,118,540; Nov. 24; Gaz. vol. 208; p. 1193.
- Ellingson, Faniel, Kensal, N. D. Wrench. No. 1,122,885; Dec. 29; Gaz. vol. 209; p. 1545.
- Ellinwood, Clarence S., Chicago, Ill., assignor to The National Cash Register Company. Ledger-account file. No. 1,108,893; Sept. 1; Gaz. vol. 206; p. 11.
- Elliot, Caleb, Clinton, Iowa. Sign. No. 1,110,910; Sept. 15; Gaz. vol. 206; p. 809.
- Elliot, Emma P. W. (See Mesick, Elliot, and Woodcock.)
- Elliot, Frank F. (See Knowlton and Elliot.)
- Elliot, Henry, St. Louis, Mo. Railway-switch. No. 1,094,889; Apr. 28; Gaz. vol. 201; p. 1078.
- Elliot, Henry, St. Louis, Mo. Restoring worn railway-switch points. No. 1,097,404; May 19; Gaz. vol. 202; p. 844.
- Elliot, William A., Toronto, Ontario, Canada. Combination woodworking-machine. No. 1,118,116; Nov. 24; Gaz. vol. 208; p. 1044.
- Elliott, Alexander D., Viola, Ill. Convertible furniture. No. 1,120,701; Dec. 15; Gaz. vol. 209; p. 710.
- Elliott, Charles L., Detroit, Mich. Internal-combustion engine. No. 1,107,274; Aug. 18; Gaz. vol. 205; p. 681.
- Elliott Company. (See Clifford, William, assignor.)
- Elliott, David, Johnstown, Pa. Jewelry-catch. (Reissue.) No. 13,741; May 26; Gaz. vol. 202; p. 1230.
- Elliott-Fisher Company. (See Dench, William L., assignor.)
- Elliott-Fisher Company. (See Fisher, Robert J., assignor.) (Reissue.)
- Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)
- Elliott-Fisher Company. (See Goll, Eugene R., assignor.)
- Elliott-Fisher Company. (See Julihn and Culverwell, assignors.)
- Elliott-Fisher Company. (See Smith, John A., assignor.)
- Elliott-Fisher Company. (See Ziegler, Joram A., assignor.)
- Elliott, Harvey, assignor to Pearl Machine Company, Detroit, Mich. Driving and reversing gearing. No. 1,101,531; June 30; Gaz. vol. 203; p. 1272.
- Elliott, James H. (See Kemp, Walter E., assignor.)
- Elliott, John H., Bono, Ark. Wire-stretcher. No. 1,095,093; Apr. 28; Gaz. vol. 201; p. 1148.
- Elliott, Paul C., Lawrence, Kans. Curving rib for the supporting-surfaces of aeroplanes. No. 1,115,291; Oct. 27; Gaz. vol. 207; p. 1145.
- Elliott, Percival L., Minneapolis, Minn. Game apparatus. No. 1,084,618; Jan. 20; Gaz. vol. 198; p. 509.
- Elliott, Percy M., Chicago, Ill. Freight-car door. No. 1,088,774; Mar. 3; Gaz. vol. 200; p. 34.
- Elliott, Percy M., Chicago, Ill. Freight-car. No. 1,088,775; Mar. 3; Gaz. vol. 200; p. 35.
- Elliott, Percy M., Chicago, Ill. Freight-car-door mechanism. No. 1,099,918; June 16; Gaz. vol. 203; p. 611.
- Elliott, Percy M., Chicago, Ill. Supporting mechanism for freight-car doors. No. 1,099,919; June 16; Gaz. vol. 203; p. 611.
- Elliott, Ralph B. (See Hayden, James G., assignor.)
- Elliott, Stephen E., West Salem, Ill. Wire-holder. No. 1,105,412; July 28; Gaz. vol. 204; p. 1246.
- Elliott, Sterling, Newton, Mass. Machine for making stencil-strips. No. 1,121,080; Dec. 15; Gaz. vol. 209; p. 843.
- Elliott, Thaddeus V., Brooklyn, assignor, by mesne assignments, to W. F. Marsh and C. McMillan, New York, N. Y. Turbine. No. 1,084,200; Jan. 13; Gaz. vol. 198; p. 344.
- Elliott, Theodore A., Cranford, N. J. Bolt-head-trimming machine. No. 1,102,024; June 30; Gaz. vol. 203; p. 1446.
- Elliott, Thomas B., Independence, Kans. Reversing-switch. No. 1,084,077; Jan. 13; Gaz. vol. 198; p. 301.
- Elliott, Thomas H., Vancouver, British Columbia, Canada. Rail-fastening to ties. No. 1,084,619; Jan. 20; Gaz. vol. 198; p. 509.
- Elliott, Thomas H., Vancouver, British Columbia, Canada. Railway-rail. No. 1,089,631; Mar. 10; Gaz. vol. 200; p. 376.
- Elliott, William. (See Dempster, Elliott, and Schlachter.)
- Elliott, William, Sherman, Tex. Ventilated granary. No. 1,119,941; Dec. 8; Gaz. vol. 209; p. 394.
- Elliott, William, assignor to Dempster Mill Manufacturing Company, Beatrice, Nebr. Bearing. No. 1,104,041; July 21; Gaz. vol. 204; p. 719.
- Elliott, William E., Grand Rapids, Mich. Arbor-press. No. 1,103,179; July 14; Gaz. vol. 204; p. 381.
- Elliott, William E., Grand Rapids, Mich. Multiple-spindle drill. No. 1,103,180; July 14; Gaz. vol. 204; p. 382.
- Elliott, William E., Grand Rapids, Mich. Braiding-machine. No. 1,103,181; July 14; Gaz. vol. 204; p. 382.
- Elliott, William E., Grand Rapids, Mich. Arbor-press. No. 1,103,182; July 14; Gaz. vol. 204; p. 383.
- Elliott, William E., Grand Rapids, Mich. Carton for merchandise. No. 1,116,043; Nov. 3; Gaz. vol. 208; p. 197.
- Elliott, William S., Pittsburgh, Pa. Combined pipe-fitting, valve, and separator. No. 1,094,204; Apr. 21; Gaz. vol. 201; p. 782.
- Ellis Adding Typewriter Company. (See Burchett, Walter J., assignor.)
- Ellis, Albert H., Kingston, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Combined type-writing and adding machine. No. 1,091,820; Mar. 31; Gaz. vol. 200; p. 1244.
- Ellis, Albin E., Moline, Ill. Razor-stropping machine. No. 1,120,042; Dec. 8; Gaz. vol. 209; p. 429.
- Ellis, Altomon L., Eden, Miss. Air-compressing machine. No. 1,109,519; Sept. 1; Gaz. vol. 206; p. 232.
- Ellis, Carleton, Montclair, N. J. Process of preparing catalyzers and apparatus therefor. No. 1,084,202; Jan. 13; Gaz. vol. 198; p. 344.
- Ellis, Carleton, Montclair, N. J. Apparatus for treating oils and the like with gases, &c. No. 1,084,203; Jan. 13; Gaz. vol. 198; p. 345.
- Ellis, Carleton, Montclair, N. J. Catalyzer and making catalytic material. No. 1,084,258; Jan. 13; Gaz. vol. 198; p. 362.
- Ellis, Carleton, Montclair, N. J. Treating wool-grease and product thereof. No. 1,086,357; Feb. 10; Gaz. vol. 199; p. 318.
- Ellis, Carleton, Montclair, N. J. Hydrogenated product. No. 1,087,161; Feb. 17; Gaz. vol. 199; p. 645.
- Ellis, Carleton, Montclair, N. J. Electrolytic generator. No. 1,087,937; Feb. 24; Gaz. vol. 199; p. 962.
- Ellis, Carleton, Montclair, N. J. Catalyzer and making same. No. 1,088,673; Feb. 24; Gaz. vol. 199; p. 1210.
- Ellis, Carleton, Montclair, N. J. Making catalyzers. No. 1,092,206; Apr. 7; Gaz. vol. 201; p. 29.
- Ellis, Carleton, Montclair, N. J. Generating hydrogen. No. 1,092,903; Apr. 14; Gaz. vol. 201; p. 302.
- Ellis, Carleton, Montclair, N. J. Process and apparatus for treating composite edible oils, &c. No. 1,095,144; Apr. 28; Gaz. vol. 201; p. 1165.
- Ellis, Carleton, Montclair, N. J. Hydrogenated or hardened oil and making same. No. 1,097,308; May 19; Gaz. vol. 202; p. 812.
- Ellis, Carleton, Montclair, N. J. Set-adjusting cement-waterproofing compound. No. 1,099,974; June 16; Gaz. vol. 203; p. 630.
- Ellis, Carleton, Montclair, N. J. Water-repellent cement and making same. No. 1,109,120; Sept. 1; Gaz. vol. 206; p. 93.
- Ellis, Carleton, Montclair, N. J. Cement-burning apparatus. No. 1,116,044; Nov. 3; Gaz. vol. 208; p. 197.
- Ellis, Carleton, Larchmont, N. Y. Composition for laying road-dust. No. 1,119,500; Dec. 1; Gaz. vol. 209; p. 207.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Treating petroleum oils with ultra-violet light. No. 1,089,359; Mar. 3; Gaz. vol. 200; p. 233.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Solidified oil and making same. No. 1,109,119; Sept. 1; Gaz. vol. 206; p. 93.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Finish-remover. No. 1,100,177; June 16; Gaz. vol. 203; p. 702.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company. Paint or varnish remover. No. 1,113,972; Oct. 20; Gaz. vol. 207; p. 626.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company. Paint or varnish remover. No. 1,118,482; Nov. 24; Gaz. vol. 208; p. 1174.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Finish-remover. No. 1,118,642; Nov. 24; Gaz. vol. 208; p. 1228.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Water purification. No. 1,121,994; Dec. 22; Gaz. vol. 209; p. 1199.
- Ellis, Carleton, Montclair, N. J., assignor of two-thirds to Ellis-Foster Company and one-third to C. L. Parsons, Washington, D. C. Oxidation. No. 1,103,017; July 7; Gaz. vol. 204; p. 275.
- Ellis, Carleton, Larchmont, assignor, by mesne assignments, to Chadeloid Chemical Company, New York, N. Y. Composition for removing wall-paper. No. 1,084,201; Jan. 13; Gaz. vol. 198; p. 344.
- Ellis, Carleton, Larchmont, assignor to Chadeloid Chemical Company, New York, N. Y. Paint and varnish remover. No. 1,095,270; May 5; Gaz. vol. 202; p. 33.
- Ellis, Carleton, Larchmont, assignor to Chadeloid Chemical Company, New York, N. Y. Finish-remover. No. 1,102,330; July 7; Gaz. vol. 204; p. 38.
- Ellis, Carleton, Larchmont, assignor to Chadeloid Chemical Company, New York, N. Y. Paint or varnish remover. No. 1,113,971; Oct. 20; Gaz. vol. 207; p. 626.
- Ellis, Carleton, Larchmont, N. Y., assignor to Ellis-Foster Company. Composition for coating cement. No. 1,112,059; Sept. 29; Gaz. vol. 206; p. 1283.
- Ellis, Carleton, White Plains, assignor to Chadeloid Chemical Company, New York, N. Y. Paint or varnish remover and the preparation thereof. No. 1,113,970; Oct. 20; Gaz. vol. 207; p. 626.
- Ellis, Charles E., Rochester, Minn. Snow-shoe. No. 1,087,745; Feb. 17; Gaz. vol. 199; p. 851.
- Ellis, Charles S., Chicago, Ill. Dimmer device for headlights. No. 1,115,914; Nov. 3; Gaz. vol. 208; p. 153.

Alphabetical list of patentees—Continued.

- Ellis, Claud A., assignor to The Faultless Iron Works, St. Charles, Ill. Kitchen-cabinet. No. 1,121,816; Dec. 22; Gaz. vol. 209; p. 1135.
- Ellis, Ed, assignor of one-half to A. A. Leer, Guthrie, Okla. Door-securer. No. 1,086,036; Feb. 3; Gaz. vol. 199; p. 164.
- Ellis, Ed, assignor of one-third to C. F. Hopkins and one-third to A. A. Leer, Guthrie, Okla. Ice-box. No. 1,111,446; Sept. 22; Gaz. vol. 206; p. 1035.
- Ellis, Ed, assignor of one-fourth to C. F. Hopkins, one-fourth to A. A. Leer, and one-fourth to H. Gerlach, Guthrie, Okla. Refrigerator weighing device. No. 1,111,447; Sept. 22; Gaz. vol. 206; p. 1035.
- Ellis, Edgar, Sulphur Springs, Ala. Combined seed-planter and fertilizer-distributor. No. 1,093,321; Apr. 14; Gaz. vol. 201; p. 447.
- Ellis, Edward, Minneapolis, Minn. Bill-file. No. 1,109,053; Sept. 1; Gaz. vol. 206; p. 70.
- Ellis, Emory E., assignor to Union Caliper Company, Orange, Mass. Calipers. No. 1,102,146; June 30; Gaz. vol. 203; p. 1487.
- Ellis-Foster Company *et al.* (See Ellis, Carleton, assignor.)
- Ellis, Frank E., Revere, Mass. Printer's blanket. No. 1,096,896; May 19; Gaz. vol. 202; p. 666.
- Ellis, Frank H., Somerville, Mass. Railway-switch. No. 1,088,134; Feb. 24; Gaz. vol. 199; p. 1032.
- Ellis, Frank H., Somerville, Mass., assignor to Barbour-Stockwell Company. Spring locking mechanism for railway-switches. No. 1,088,266; Feb. 24; Gaz. vol. 199; p. 1077.
- Ellis, Fred S., Attleboro, Mass. Expansible bracelet-link. No. 1,118,192; Nov. 24; Gaz. vol. 208; p. 1069.
- Ellis, George H., St. Paul, Minn. Waterproof insulating fiber sheet. No. 1,116,045; Nov. 3; Gaz. vol. 208; p. 198.
- Ellis, George H., assignor, by mesne assignments, to Northern Insulating Company, St. Paul, Minn. Insulating fabric. No. 1,108,155; Aug. 25; Gaz. vol. 205; p. 1039.
- Ellis, Henry R., Salt Lake City, Utah. Extracting copper from carbonate and oxid ores. No. 1,115,521; Nov. 3; Gaz. vol. 208; p. 19.
- Ellis, Henry R., Salt Lake City, Utah. Extracting copper from carbonate and oxid ores. No. 1,115,522; Nov. 3; Gaz. vol. 208; p. 19.
- Ellis, Henry R., Salt Lake City, Utah. Recovering metal from alkaline solutions. No. 1,115,523; Nov. 3; Gaz. vol. 208; p. 19.
- Ellis, Herman, *et al.* (See Switzer and Lacroix, assignors.)
- Ellis, James D., Santa Clara, Cal. Device for heating water in laundry-trays. No. 1,121,340; Dec. 15; Gaz. vol. 209; p. 933.
- Ellis, John, St. James, Mo. Insulator. (Reissue.) No. 1,3748; June 16; Gaz. vol. 203; p. 878.
- Ellis, John, assignor to Beler Water Heater Company, Pittsburgh, Pa. Thermostatic gas-valve-operating mechanism. No. 1,093,771; Apr. 21; Gaz. vol. 201; p. 636.
- Ellis, John, assignor to Beler Water Heater Company, Pittsburgh, Pa. Gas-burner. No. 1,093,772; Apr. 21; Gaz. vol. 201; p. 636.
- Ellis, John H., Prescott, England. Electrical insulator. No. 1,102,252; July 7; Gaz. vol. 204; p. 10.
- Ellis, John J. (See Shephard, James, assignor.)
- Ellis, Lewis M., Detroit, Mich. Fuel-injector for explosion-engines. No. 1,102,025; June 30; Gaz. vol. 203; p. 1446.
- Ellis, Mark S., U. S. Navy. Self-scoring target. No. 1,096,292; May 12; Gaz. vol. 202; p. 418.
- Ellis, Reginald E. (See Hitchcock, Stanley I., assignor.)
- Ellis, Russell S., Philadelphia, Pa. Internal-combustion engine. No. 1,083,673; Jan. 6; Gaz. vol. 198; p. 137.
- Ellis, Stuart, Washington, D. C. Hot-water radiator. No. 1,098,238; May 26; Gaz. vol. 202; p. 1179.
- Ellis, Thomas H., assignor of one-fourth to J. U. Mentzer, one-fourth to S. R. Tyler, and one-fourth to D. A. Ruebel, St. Louis, Mo. Vacuum massaging device. No. 1,122,886; Dec. 29; Gaz. vol. 209; p. 1545.
- Ellison, Thomas J., Terrill, Ky. Coverer. No. 1,093,773; Apr. 21; Gaz. vol. 201; p. 637.
- Ellis, William. (See Wilson, Robert Q., assignor.)
- Ellison, Albert R., Brookline, Mass. Treating pontianak. No. 1,104,744; July 21; Gaz. vol. 204; p. 963.
- Ellison, Artie L., and J. G. Smith, Edgewood, Cal. Fish-screen. No. 1,098,489; June 2; Gaz. vol. 203; p. 46.
- Ellison, John D., Union City, Tenn. Headlight for automobiles. No. 1,109,743; Sept. 8; Gaz. vol. 206; p. 354.
- Ellison, John M., Pittsburgh, Pa. Ironing-board. No. 1,117,817; Nov. 17; Gaz. vol. 208; p. 902.
- Ellison, William B., *et al.*, executors. (See Southgate, Louis W.)
- Ellmann, Ernest E., assignor of one-half to I. Haas, St. Louis, Mo. Shoe-stretcher. No. 1,117,818; Nov. 17; Gaz. vol. 208; p. 902.
- Ellis, Hallett D., Kansas City, Mo., assignor of one-half to E. E. McKee, Kansas City, Kans. Chock for vehicle-wheels. No. 1,108,156; Aug. 25; Gaz. vol. 205; p. 1039.
- Ellsworth, Anna S., Oakes, N. D. Attachment for wall-telephones. No. 1,118,751; Nov. 24; Gaz. vol. 208; p. 1265.
- Ellsworth & Cross. (See Duffy, Thomas I., assignor.)
- Ellsworth, David M., Portland, Oreg. Fountain-brush. No. 1,116,807; Nov. 10; Gaz. vol. 208; p. 506.
- Elmer, Charles B., Passaic, N. J., assignor to General Gas Appliance Company, New York, N. Y. Device for heating water. No. 1,098,373; June 2; Gaz. vol. 203; p. 5.
- Elmes, Carleton L., Winnetka, Ill. Testing-machine. No. 1,098,102; May 26; Gaz. vol. 202; p. 1134.
- Elmore, Charles F., Chicago, Ill. Necktie-fastener. No. 1,109,283; Sept. 1; Gaz. vol. 206; p. 151.
- Elmore, Charles F., Chicago, Ill. Watch-holder. No. 1,116,808; Nov. 10; Gaz. vol. 208; p. 507.
- Elmore, Guy H., Swarthmore, Pa., and O. H. Bohm, Birmingham, Ala. Jig. No. 1,102,574; July 7; Gaz. vol. 204; p. 124.
- Elmore, Guy H., Swarthmore, and H. V. Croll, Philadelphia, Pa. Jig-plunger. No. 1,108,558; Aug. 25; Gaz. vol. 205; p. 1180.
- Elmqvist, Karl O., Kristianstad, Sweden. Fire-escape. No. 1,101,910; June 30; Gaz. vol. 203; p. 1403.
- Elrod, Henry E. (See Lacy, Benjamin B., assignor.)
- Elsas, Herman, New York, N. Y. Stock for vending-machines. No. 1,116,399; Nov. 10; Gaz. vol. 208; p. 358.
- Elsas, Marshal, Independence, Mo. Harrow. No. 1,119,143; Dec. 1; Gaz. vol. 209; p. 85.
- Elsässische Maschinenbau-Gesellschaft. (See Burgert, August, assignor.)
- Elsässische Maschinenbau Gesellschaft. (See Mertens, Eduard, assignor.)
- Elson, Harry E., Masontown, Pa. Machine for washing precipitates. No. 1,097,708; May 26; Gaz. vol. 202; p. 994.
- Elson, Harry E., Masontown, Pa. Rotary internal-combustion engine. No. 1,116,809; Nov. 10; Gaz. vol. 208; p. 507.
- Elster, Albert D., Meriden, Conn. Gasolene-strainer. No. 1,093,258; Apr. 14; Gaz. vol. 201; p. 424.
- Elterich, David, Forks, Wash. Wheelbarrow. No. 1,095,145; Apr. 28; Gaz. vol. 201; p. 1166.
- Elvers, George C., Chicago, Ill. Sanitary toilet-seat cover. No. 1,085,597; Feb. 3; Gaz. vol. 199; p. 7.
- Elvers, Hans C., assignor to Gisholt Machine Company, Madison, Wis. Tool-grinder. No. 1,121,995; Dec. 22; Gaz. vol. 209; p. 1199.
- Elvestrom, Martin O., Briceyn, Minn. Scaffolding. No. 1,101,839; June 30; Gaz. vol. 203; p. 1378.
- Elvin, Albert G. (See Martin, Frederick W., assignor.)
- Elvin, Albert G., Somerville, N. J. Mechanical stoker. No. 1,111,531; Sept. 22; Gaz. vol. 206; p. 1065.
- Elvin, Albert G., Somerville, N. J., and J. L. Mohun, Brooklyn, N. Y.; said Mohun assignor to said Elvin. Axle-lubricator. No. 1,096,161; May 12; Gaz. vol. 202; p. 372.
- Elvin, Albert G., Somerville, N. J., and F. W. Martin, New York, N. Y., assignors to Franklin Railway Supply Company, Wilmington, Del. Flexible pipe-coupling. No. 1,119,501; Dec. 1; Gaz. vol. 209; p. 208.
- Elwell, George H., Boston, assignor to F. B. Hopewell, trustee, Newton, Mass. Hypodermic case. No. 1,113,890; Oct. 13; Gaz. vol. 207; p. 559.
- Elwell, Oliver E., Hornell, N. Y., assignor to The Union Special Machine Company, Chicago, Ill. Thread-controller for sewing-machines. No. 1,105,413; July 28; Gaz. vol. 204; p. 1246.
- Elwell-Parker Electric Company, The. (See Ahlm and Cochran, assignors.)
- Elwell-Parker Electric Company, The. (See Towson, Morris S., assignor.)
- Elwell, Russell T., Trenton, N. J. Sole for boots and shoes and other uses. No. 1,101,487; June 23; Gaz. vol. 203; p. 1206.
- Ely, A. Victor. (See Sykes, Henry T., assignor.)
- Ely, Herbert W., Springfield township, Bradford county, Pa. Single-jointed ice-tongs. No. 1,090,039; Mar. 10; Gaz. vol. 200; p. 516.
- Ely, Marshall S. (See White, Kirk H., assignor.)
- Ely, Moses, *et al.* (See Daniel, Paul, assignor.)
- Ely, Walter S., Flushing, assignor to Revolving-Door and Fixture Company, New York, N. Y. Revolving door with closing devices and packings. No. 1,084,204; Jan. 13; Gaz. vol. 198; p. 345.
- Elyria Iron & Steel Company, The. (See Lloyd, Marshall B., assignor.)
- Emanuel, Benjamin D., assignor, by mesne assignments, to The Hamilton Scale & Tank Company, Hamilton, Ohio. Computing-scale. No. 1,109,054; Sept. 1; Gaz. vol. 206; p. 71.
- Emanuel, Joseph. (See Olbrantz and Emanuel.)
- Emaus Foundry & Machine Company. (See Clark, Robert G., assignor.)
- Emel, John, Sr., Silverdale, Wash. Vegetable-slicer. No. 1,094,318; Apr. 21; Gaz. vol. 201; p. 817.
- Emergency Horseshoe Company, The. (See Whitaker, Richard, assignor.)
- Emerick, Louis W., receiver. (See Parker, Clark W., assignor.)
- Emeringer, John, Randolph, Nebr. Gearing. No. 1,106,792; Aug. 11; Gaz. vol. 205; p. 465.
- Emerson, Alfred H. (See Bentzon and Emerson.)
- Emerson, Annette E. (See Emerson, Victor L., assignor.)
- Emerson-Brantingham Company. (See Cameron, William W., assignor.)

Alphabetical list of patentees—Continued.

- Emerson-Brantingham Company. (See Davis, Calvin R., assignor.)
- Emerson-Brantingham Company. (See Waterman, Lewis E., assignor.)
- Emerson-Brantingham Company. (See Wilson, George, assignor.)
- Emerson, Charles J., Providence, R. I. Textile-conditioning instrument. No. 1,089,826; Mar. 10; Gaz. vol. 200; p. 443.
- Emerson, Elmer I., Montgomery, N. Y. Leaf-separating device for leaf-springs. No. 1,117,819; Nov. 17; Gaz. vol. 208; p. 902.
- Emerson, George H., *et al.* (See Conrath, Frederick, assignor.)
- Emerson, George H., and H. Yoerg, St. Paul, Minn., assignors to Locomotive Superheater Company. Superheater. No. 1,105,633; Aug. 4; Gaz. vol. 205; p. 16.
- Emerson, George H., and H. Yoerg, St. Paul, Minn., assignors to Locomotive Superheater Company. Superheater. No. 1,105,634; Aug. 4; Gaz. vol. 205; p. 17.
- Emerson, Merton L., Braintree, assignor to American Pneumatic Service Company, Boston, Mass. Pneumatic-despatch-tube apparatus. No. 1,107,661; Aug. 18; Gaz. vol. 205; p. 820.
- Emerson, Merton L., Braintree, assignor to American Pneumatic Service Company, Boston, Mass. Pneumatic-despatch-tube apparatus. No. 1,109,827; Sept. 8; Gaz. vol. 206; p. 382.
- Emerson Piano Company. (See Tibbott and Lemander, assignors.)
- Emerson, Victor H., New York, N. Y., assignor to American Graphophone Company, Bridgeport, Conn. Sound-record material. No. 1,084,138; Jan. 13; Gaz. vol. 198; p. 322.
- Emerson, Victor H., New York, N. Y., assignor to American Graphophone Company, Bridgeport, Conn. Sound-record and production thereof. No. 1,084,415; Jan. 13; Gaz. vol. 198; p. 412.
- Emerson, Victor H., New York, N. Y., assignor to American Graphophone Company, Bridgeport, Conn. Sound-record. No. 1,107,502; Aug. 18; Gaz. vol. 205; p. 763.
- Emerson, Victor H., New York, N. Y., assignor to American Graphophone Company, Bridgeport, Conn. Disk sound-record. No. 1,113,973; Oct. 20; Gaz. vol. 207; p. 626.
- Emerson, Victor H., New York, N. Y., G. A. Manwaring, Bayonne, N. J., and J. K. Reynard, New York, N. Y., assignors to American Graphophone Company, Bridgeport, Conn. Composite-disk sound-record. No. 1,102,253; July 7; Gaz. vol. 204; p. 11.
- Emerson, Victor L., assignor to A. E. Emerson, Alexandria, Va. Universal joint. No. 1,085,855; Feb. 3; Gaz. vol. 199; p. 98.
- Emery, Albert H., Stamford, Conn. Hydraulic accumulator. No. 1,121,237; Dec. 15; Gaz. vol. 209; p. 897.
- Emery, Charles E., *et al.* (See Smith, Walton D., assignor.)
- Emery, Edwin A., Denver, Colo., assignor to The Emery Pneumatic Lubricator Company. Lubricator for pneumatic apparatus. No. 1,099,242; June 9; Gaz. vol. 203; p. 342.
- Emery, Frank A., Ashmont, and A. A. Adams, Brookline, Mass., assignors, by mesne assignments, to Atlantic National Bank, Providence, R. I. Signaling system. No. 1,114,597; Oct. 20; Gaz. vol. 207; p. 847.
- Emery, Frederick H., Scranton, Pa. Coal-picking apparatus. No. 1,119,586; Dec. 1; Gaz. vol. 209; p. 237.
- Emery, George S., Birmingham, Ala. Station-indicator. No. 1,094,783; Apr. 28; Gaz. vol. 201; p. 1042.
- Emery, Plato G., Chicago, Ill. Fixture for window curtains or shades. No. 1,083,924; Jan. 13; Gaz. vol. 198; p. 247.
- Emery, Plato G., Chicago, Ill. Shade-holding mechanism. No. 1,108,559; Aug. 25; Gaz. vol. 205; p. 1180.
- Emery, Plato G., Chicago, Ill. Guard-curtain for vestibule-cars. No. 1,109,744; Sept. 8; Gaz. vol. 206; p. 355.
- Emery Pneumatic Lubricator Company, The. (See Emery, Edwin A., assignor.)
- Emery, Rose. (See Bonnot, Belot, Vassallo, and Emery.)
- Emil Grossman M'fg. Co. Inc. (See Heineman, Charles J., assignor.)
- Emil Grossman M'fg. Co. (See Taylor, George, assignor.)
- Eminger, Albert H. (See Bowker, Ernest S., assignor.)
- Emler, Loren W., Rawlins, Wyo. Heating system for incubators. No. 1,083,674; Jan. 6; Gaz. vol. 198; p. 138.
- Emmers, Edward, Royersford, Pa. Undergarment. No. 1,118,643; Nov. 24; Gaz. vol. 208; p. 1229.
- Emmert, Albert, Corpus Christi, Tex. Disk harrow. No. 1,092,249; Apr. 7; Gaz. vol. 201; p. 43.
- Emmert, Emil, Superior, Wis. Car-door. No. 1,096,700; May 12; Gaz. vol. 202; p. 554.
- Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. Ship propulsion. No. 1,095,461; May 5; Gaz. vol. 202; p. 98.
- Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. Emergency mechanism for prime movers. No. 1,095,563; May 5; Gaz. vol. 202; p. 134.
- Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. System of ship propulsion. No. 1,100,721; June 23; Gaz. vol. 203; p. 940.
- Emmons, Henry T., Brookline, Mass. Finishing hat-bodies. No. 1,103,183; July 14; Gaz. vol. 204; p. 383.
- Emmons, Rupert A., Washington, D. C. Aeroplane construction. No. 1,112,126; Sept. 29; Gaz. vol. 206; p. 1306.
- Emmrich, Otto R., Manasha, Wis. Barrel. No. 1,104,351; July 21; Gaz. vol. 204; p. 826.
- Emory, Eugene L., assignor of one-half to H. E. Bruce, Suffolk, Va. Combined pancake-turner and fork. No. 1,089,118; Mar. 3; Gaz. vol. 200; p. 153.
- Empire Chemical Company. (See Clope, Irving S., assignor.)
- Empire Duplex Gin Company. (See Harriss, William H., assignor.)
- Empire Duplex Gin Company. (See Haywood, Daniel H., assignor.)
- Empire Duplex Gin Company. (See Meurling, Ivar, assignor.)
- Empire Machine Company. (See Chamberlin, Benjamin D., assignor.)
- Empire Paper Tube & Box Company. (See Seeley and Huether, assignors.)
- Empire Railway Appliance Corporation. (See Powers, Edmund B., assignor.)
- Empire State Ring Company. (See Block, Edgar N., assignor.)
- Empire Voting Machine Company. (See Davis, James M., assignor.)
- Empire Voting Machine Company. (See Dean, James H., assignor.)
- Empire Voting Machine Company. (See Gillespie, Alfred J., assignor.)
- Empire Voting Machine Company. (See Lausterer, William J., assignor.)
- Emrich, Heinrich, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Scratcher or scraper for stirring apparatus in sulfate-furnaces. No. 1,121,004; Dec. 15; Gaz. vol. 209; p. 816.
- Emrick, George W., Brooklyn, N. Y. Drill-chuck. No. 1,109,121; Sept. 1; Gaz. vol. 206; p. 93.
- Emrick, George W., Brooklyn, N. Y., assignor, by mesne assignments, to Automatic Drill Chuck Corporation, Detroit, Mich. Drill-chuck. No. 1,104,255; July 21; Gaz. vol. 204; p. 792.
- Emsley, William W., Philadelphia, Pa. Bolt-head. No. 1,096,701; May 12; Gaz. vol. 202; p. 555.
- En Earl, Darius C., Denver, Colo. Key-ring lock. No. 1,092,031; Mar. 31; Gaz. vol. 200; p. 1313.
- Enamel Company of America, The. (See Stark, Arthur L., assignor.)
- Enamel Concrete and Machinery Company, The. (See Stehm, Frank R., assignor.)
- Enameled Metals Company. (See McElroy, Peter, assignor.)
- Enameled Steel Package Corporation. (See Mather, Lewis V., assignor.)
- Encinas, Arthur R., San Francisco, Cal. Lock-nut. No. 1,090,976; Mar. 24; Gaz. vol. 200; p. 911.
- Endel, Solomon, U. S. Navy. Electric detaching apparatus. No. 1,110,911; Sept. 15; Gaz. vol. 206; p. 810.
- Enderlin, Camille. (See Raclot and Enderlin.)
- Enders, Emil, Breslau, Germany. Treating potatoes. No. 1,090,782; Mar. 17; Gaz. vol. 200; p. 812.
- Endlein, Wilhelm, assignor to M. Schmidt, Elberfeld, Germany. Spanner or wrench. No. 1,083,524; Jan. 6; Gaz. vol. 198; p. 87.
- Endter, Waldemar A. (See Jones and Endter.)
- Eneas, Aubrey G., Wintthrop, Mass., assignor to Spray Engineering Company, Kittery, Me. Spray-nozzle and distributing liquids. No. 1,101,264; June 23; Gaz. vol. 203; p. 1129.
- Eneix, John, Anita, Iowa. Door and gate closer. No. 1,083,809; Jan. 6; Gaz. vol. 198; p. 181.
- Enell, Otto E., Jersey City, N. J. Clothes-drier. No. 1,099,898; June 9; Gaz. vol. 203; p. 567.
- Enevoldson, Anders P. (See Enevoldson, Marsh, and Enevoldson.)
- Enevoldson, Ralph G., J. R. Marsh, and A. P. Enevoldson, Viola, Idaho. Stump-puller. No. 1,122,087; Dec. 22; Gaz. vol. 209; p. 1231.
- Engberg, Carl, assignor to Engberg's Electric and Mechanical Works, St. Joseph, Mich. Electrohydraulic controller. No. 1,083,810; Jan. 6; Gaz. vol. 198; p. 181.
- Engberg, Ephraim O., Salt Lake City, Utah., assignor to J. B. Patton, Kent, Ohio. Machine for making window-shades. No. 1,094,846; Apr. 28; Gaz. vol. 201; p. 1064.
- Engberg's Electric and Mechanical Works. (See Engberg, Carl, assignor.)
- Engblom, Eric, Denver, Colo., assignor of one-half to F. Gyllensten, Cement watering-trough. No. 1,092,250; Apr. 7; Gaz. vol. 201; p. 43.
- Engby, Cornelius. (See Mathiesen, James C., assignor.)
- Engel, Daniel M., Fairbanks, Wash. Automobile-seat. No. 1,087,003; Feb. 10; Gaz. vol. 199; p. 540.
- Engel, Frank, Buffalo, N. Y., assignor, by mesne assignments, to Central Trust Company of New York, trustee. Washing and pickling vat for battery-plates. No. 1,122,887; Dec. 29; Gaz. vol. 209; p. 1546.

Alphabetical list of patentees—Continued.

- Engel, Julius, Syracuse, N. Y. Water-closet. No. 1,117,353; Nov. 17; Gaz. vol. 208; p. 738.
- Engel, Karl, Arlington, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe. No. 1,101,419; June 23; Gaz. vol. 203; p. 1182.
- Engel, Karl, Arlington, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Manufacture of boots and shoes. No. 1,122,195; Dec. 22; Gaz. vol. 209; p. 1266.
- Engel, Louis A. (See Hanson, Oscar W., assignor.)
- Engel, Richard, Vienna, Austria-Hungary. Machine for dividing and shaping dough. No. 1,122,888; Dec. 29; Gaz. vol. 209; p. 1546.
- Engelberg, Evaristo C., São Paulo, Brazil. Machine for hulling and polishing rice. No. 1,105,635; Aug. 4; Gaz. vol. 205; p. 17.
- Engelhardt Decked Life Boat Co., The. (See Rantzow, Ludvig von, assignor.)
- Engelhardt, Valdemar, Copenhagen, Denmark, and P. McAlister, Dumbarton, Scotland. Life-boat. No. 1,096,100; May 12; Gaz. vol. 202; p. 351.
- Engelhart, Julius A., Minneapolis, Minn. Adjustable grain-spout holder for grain-loaders. No. 1,090,291; Mar. 17; Gaz. vol. 200; p. 645.
- Engelman, William F., Nokomis, Ill. Corn-planter. No. 1,106,373; Aug. 11; Gaz. vol. 205; p. 316.
- Engelmann, Max, and B. Merkel, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Production of cyanamid. No. 1,102,892; July 7; Gaz. vol. 204; p. 233.
- Engelskirchen, Frederick, assignor to George P. Bent Company, Chicago, Ill. Pedal trap-work. No. 1,089,119; Mar. 3; Gaz. vol. 200; p. 153.
- Engelson, Harold C., and R. Archment, Victoria, British Columbia, Canada. Fireproof paint. No. 1,087,111; Feb. 17; Gaz. vol. 199; p. 628.
- Engelstad, Alf, Berlin, N. H. Process and apparatus for making hydrochloric acid. No. 1,121,910; Dec. 22; Gaz. vol. 209; p. 1169.
- Engelstad, Alfred C., Kathryn, N. D. Grain-tester and seed-separator. No. 1,087,746; Feb. 17; Gaz. vol. 199; p. 851.
- Engfer, Harry C., assignor to Defiance Lantern and Stamping Company, Rochester, N. Y. Standing bail for lanterns. No. 1,083,442; Jan. 6; Gaz. vol. 198; p. 62.
- Engfer, Harry C., assignor to Defiance Lantern and Stamping Company, Rochester, N. Y. Lantern. No. 1,113,763; Oct. 13; Gaz. vol. 207; p. 515.
- Engine Holdings Company, The. (See Goby, Clifford S., assignor.)
- Engineering Development Company. (See Poole, Cecil P., assignor.)
- England, Alexander, Wilksburg, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Automatic train-stop device. No. 1,104,787; July 28; Gaz. vol. 204; p. 1026.
- England, Edwin F., New York, N. Y. Means for automatically stopping railway-motors. No. 1,115,915; Nov. 3; Gaz. vol. 208; p. 153.
- England, James R., assignor of one-third to J. D. Milford, Columbus, Ga. Harvesting-machine. No. 1,106,196; Aug. 4; Gaz. vol. 205; p. 214.
- Englander Spring Bed Company. (See Adler, Samuel, assignor.)
- Englander Spring Bed Company. (See Kreuzkamp, August J., assignor.)
- Englander Spring Bed Company. (See Kreuzkamp, Paul W., assignor.)
- Englander Spring Bed Company. (See Quincy, Frederick J., assignor.)
- Englander Spring Bed Company. (See Solomon, Edgar A., assignor.)
- Engle, Clara A., Dayton, and A. A. Arnold, Brookville, Ohio. Hook and eye. No. 1,101,508; June 23; Gaz. vol. 203; p. 1215.
- Engle, Edward, Pittsburg, Kans. Railway-switch. No. 1,117,010; Nov. 10; Gaz. vol. 208; p. 578.
- Engle, Lillian K., Philadelphia, Pa. Garment-hook. No. 1,116,046; Nov. 3; Gaz. vol. 208; p. 198.
- Engle, Richard. (See Calvert and Engle.)
- Engle, William G., Enderlin, assignor of one-tenth to J. M. Bates, Lisbon, N. D., and one-tenth to K. O. Sandum, Minneapolis, Minn. Standing-grain thresher. No. 1,122,375; Dec. 29; Gaz. vol. 209; p. 1366.
- Englebrecht, P. J. (See Kirchner, George P., assignor.)
- Englert, Charles, Rochester, N. Y. Feed mechanism for punch-presses. No. 1,088,015; Feb. 24; Gaz. vol. 199; p. 991.
- Englert, Conrad J., Schenectady, N. Y. Engine-crank. No. 1,100,361; June 16; Gaz. vol. 203; p. 765.
- Englert, Anton F., assignor to General Novelty Co., Inc., Chicago, Ill. Vending-machine. No. 1,088,267; Feb. 24; Gaz. vol. 199; p. 1077.
- Engles, Willis, Paw Paw, Mich. Internal-combustion turbine-engine. No. 1,105,500; July 28; Gaz. vol. 204; p. 1276.
- Englesman, Monroe, New York, N. Y. Tweezers. No. 1,095,564; May 5; Gaz. vol. 202; p. 134.
- Englesson, John E., Karlskrona, Sweden, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Energy-absorber. No. 1,090,100; Mar. 10; Gaz. vol. 200; p. 537.
- Englesson, John E., Karlskrona, Sweden, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Prime-mover-power-limiting device. No. 1,090,520; Mar. 17; Gaz. vol. 200; p. 727.
- Englesson, John E., Kristinehamn, Sweden, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Time-element power-limiting device. No. 1,102,731; July 7; Gaz. vol. 204; p. 177.
- English, Albert S., Anaconda, Mont. Train-pipe coupling. No. 1,106,354; Aug. 4; Gaz. vol. 205; p. 264.
- English, Analdo M., Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Heel-burnishing mechanism. No. 1,109,213; Sept. 1; Gaz. vol. 206; p. 127.
- English, Harry, Sidney, Ohio. Holding device. No. 1,098,789; June 2; Gaz. vol. 203; p. 146.
- English, John C., Camden, N. J., assignor to Victor Talking Machine Company. Sound-box diaphragm. No. 1,091,202; Mar. 24; Gaz. vol. 200; p. 991.
- English, John C., Camden, N. J., assignor to Victor Talking Machine Company. Talking-machine. No. 1,107,597; Aug. 18; Gaz. vol. 205; p. 797.
- English, M. J. (See Pohndorf, Joseph, assignor.)
- English & Mersick Co., The. (See Altman, Frank C., assignor.)
- English & Mersick Co., The. (See Kiehler, Frederick, assignor.)
- English & Mersick Co., The. (See Voigt, Max E., assignor.)
- English & Mersick Company, The. (See Wheeler, Gardner E., assignor.)
- English, Sidwell M., and L. V. Edmondson, Renovo, Pa. Liquid-fuel burner. No. 1,083,604; Jan. 6; Gaz. vol. 198; p. 115.
- English, William T. (See Honiss, William H., assignor.)
- English, William T., Hyde Park, Mass. Insert for concrete construction. No. 1,110,429; Sept. 15; Gaz. vol. 206; p. 639.
- Engman, Evald J., assignor to The Will & Baumer Company, Syracuse, N. Y. Machine for finishing candles. No. 1,114,871; Oct. 27; Gaz. vol. 207; p. 997.
- Engman-Matthews Range Co. (See Matthews, Lewis C., assignor.)
- Engstrand, John C., Hegewisch, Ill. Railway-crossing. No. 1,101,265; June 23; Gaz. vol. 203; p. 1129.
- Engstrom, Carl O., Sacramento, Cal. Tooth-brush. No. 1,097,122; May 19; Gaz. vol. 202; p. 746.
- Ennes, Charles E. (See McDonald and Ennes.)
- Ennis, George H., Derby, Conn. Automatic train-stop device. No. 1,097,854; May 26; Gaz. vol. 202; p. 1045.
- Eno, Frank F., Boston, Mass., assignor to Eno Welt Shoe Company. Boot and shoe. No. 1,110,121; Sept. 8; Gaz. vol. 206; p. 490.
- Eno, John L., Luana, Iowa. Combination-tool. No. 1,117,558; Nov. 17; Gaz. vol. 208; p. 808.
- Eno Welt Shoe Company. (See Eno, Frank F., assignor.)
- Enoch, Walter, New York, N. Y. Dress-form. No. 1,116,047; Nov. 3; Gaz. vol. 208; p. 199.
- Enos, Manuel, Lemoore, Cal. Spark-plug. No. 1,119,144; Dec. 1; Gaz. vol. 209; p. 85.
- Enos, Robert C. (See Palmer, Harold N., assignor.)
- Enright, John W., New Orleans, La. Rail-joint. No. 1,083,811; Jan. 6; Gaz. vol. 198; p. 182.
- Ensign, Emory S., Brighton, Mass. Eyeletting-machine. No. 1,119,417; Dec. 1; Gaz. vol. 209; p. 179.
- Ensign, Orville H. (See Ensign, Roy F., assignor.)
- Ensign, Roy F., assignor to O. H. Ensign, Pasadena, Cal. Vaporizer. No. 1,108,727; Aug. 25; Gaz. vol. 205; p. 1237.
- Enslin, Herbert E., Malden, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Producing an ornamental surface upon leather. No. 1,115,182; Oct. 27; Gaz. vol. 207; p. 1108.
- Enslin, Herbert E., Malden, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Ornamented leather. No. 1,115,183; Oct. 27; Gaz. vol. 207; p. 1108.
- Enslin, Herbert E., Malden, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for ornamenting leather. No. 1,115,184; Oct. 27; Gaz. vol. 207; p. 1109.
- Ensminger, Kossuth J., Hamersville, Ohio. Means and device to control and regulate the flow of surface water. No. 1,104,483; July 21; Gaz. vol. 204; p. 872.
- Ensor, Joseph W., Marcus, S. D. Vehicle tongue attachment. No. 1,102,650; July 7; Gaz. vol. 204; p. 151.
- Enström, Nils G., Stockholm, Sweden, assignor of two-thirds to J. P. Dahllöf and one-third to K. J. Hellström, New York, N. Y. Artificial foot. No. 1,119,258; Dec. 1; Gaz. vol. 209; p. 123.
- Entenmann, Ernst, Backnang, Germany. Base for masts and the like. No. 1,095,197; May 5; Gaz. vol. 202; p. 8.
- Enterprise Manufacturing Company, The. (See Castle, Frederick W., assignor.)
- Enterprise Manufacturing Company, The. (See Pfueger, George A., assignor.)

Alphabetical list of patentees—Continued.

- Enterprise Manufacturing Company of Pennsylvania, The. (See Asbury, Harry E., assignor.)
 Enterprise Manufacturing Company of Pennsylvania, The. (See Brown, John W., Jr., assignor.)
 Enterprise Optical Mfg. Company, The. (See Roebuck, Alvah C., assignor.)
 Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
 Enterprise Tool and Metal Works. (See Rosengren, Frank W., assignor.)
 Entwistle, Joseph, Utica, N. Y. Electric trap. No. 1,084,416; Jan. 13; Gaz. vol. 198; p. 413.
 Entz, Justus B., assignor to The White Company, Cleveland, Ohio. Starter and ignition control. No. 1,084,931; Jan. 20; Gaz. vol. 198; p. 616.
 Entz, Justus B., Cleveland, Ohio, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Electrical system of distribution. No. 1,120,140; Dec. 8; Gaz. vol. 209; p. 462.
 Enyart, Ralph C. (See Hicks and Enyart.)
 Enyart, U. G. (See Morris, Rufus E., assignor.)
 Eoff, Milous S., Kingston, Ark. Wire-stretcher. No. 1,108,981; Sept. 1; Gaz. vol. 206; p. 43.
 Epler, Carl, Bogorodsk, Russia. Treating and refining cotton-seed-oil residues. No. 1,094,430; Apr. 28; Gaz. vol. 201; p. 915.
 Epley, August. (See Clark, Stuart J., assignor.)
 Epley, James G., assignor of one-half to H. F. Wendell, Leipsic, Ohio. Saddle-support for motor-cycles, &c. No. 1,120,379; Dec. 8; Gaz. vol. 209; p. 548.
 Eppens, August, Berlin, Germany. Saccharometer. No. 1,089,464; Mar. 10; Gaz. vol. 200; p. 317.
 Eppenstein, Max C., assignor to Illinois Watch Case Company, Elgin, Ill. Watch-display holder. No. 1,102,212; June 30; Gaz. vol. 203; p. 1512.
 Eppenstein, Otto, assignor to Firm of C. Zeiss, Jena, Germany. Telemeter. No. 1,099,432; June 9; Gaz. vol. 203; p. 409.
 Eppenstein, Otto, assignor to Firm of C. Zeiss, Jena, Germany. Optical square. No. 1,105,895; Aug. 4; Gaz. vol. 205; p. 107.
 Eppenstein, Otto, assignor to Firm of C. Zeiss, Jena, Germany. Manufacture of optical squares. No. 1,112,418; Sept. 29; Gaz. vol. 206; p. 1410.
 Eppenstein, Otto, assignor to The Firm of C. Zeiss, Jena, Germany. Coincidence-telemeter. No. 1,117,820; Nov. 17; Gaz. vol. 208; p. 903.
 Eppenstein, Otto, assignor to The Firm of C. Zeiss, Jena, Germany. Horizontal telemeter. No. 1,118,337; Nov. 24; Gaz. vol. 208; p. 1120.
 Eppenstein, Otto, and F. Eckardt, assignors to Firm of C. Zeiss, Jena, Germany. Telemeter. No. 1,107,503; Aug. 18; Gaz. vol. 205; p. 763.
 Eppler, Carl H., Oakland, Cal. Sanitary bottle-closer. No. 1,094,784; Apr. 28; Gaz. vol. 201; p. 1042.
 Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Thread-waxing device. No. 1,091,126; Mar. 24; Gaz. vol. 200; p. 964.
 Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-sewing machine. No. 1,092,568; Apr. 7; Gaz. vol. 201; p. 153.
 Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Stitch-down-lasting machine. No. 1,113,936; Oct. 13; Gaz. vol. 207; p. 575.
 Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,114,240; Oct. 20; Gaz. vol. 207; p. 723.
 Eppler, Andrew, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-sewing machine. No. 1,092,567; Apr. 7; Gaz. vol. 201; p. 152.
 Eppler, Andrew, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-sewing machine. No. 1,108,560; Aug. 25; Gaz. vol. 205; p. 1181.
 Epps, Clinton C., Eufaula, Okla. Cotton-cleaner. No. 1,090,606; Mar. 17; Gaz. vol. 200; p. 757.
 Epstein, Eli, Boston, Mass. Cylinder-lock. No. 1,102,893; July 7; Gaz. vol. 204; p. 233.
 Epstein, Harris, and W. Ciler, New York, N. Y. Tooth-brush. No. 1,111,144; Sept. 22; Gaz. vol. 206; p. 933.
 Epstein, Henry. (See Pabst and Epstein.)
 Epstein, Irving, New York, N. Y. Stapling device. No. 1,085,856; Feb. 3; Gaz. vol. 199; p. 99.
 Epstein, Irving, New York, N. Y. Stapling-machine. No. 1,093,040; Apr. 14; Gaz. vol. 201; p. 348.
 Epstein, Max, Chicago, Ill. Tank-car. No. 1,096,497; May 12; Gaz. vol. 202; p. 487.
 Equilibrator Company. (See Fuerth, William G., assignor.)
 Erb, Harry E., Chicago, Ill. Chair. No. 1,097,405; May 19; Gaz. vol. 202; p. 845.
 Erb, John. (See Boland, John E., assignor.)
 Erbes, Louis C., St. Paul, Minn. Drain-pipe. No. 1,096,230; May 12; Gaz. vol. 202; p. 395.
 Erdahl, Alfred and H., Blue Earth, Minn. Cushion for mouthpieces of musical instruments. No. 1,101,420; June 23; Gaz. vol. 203; p. 1182.
 Erdahl, Henry. (See Erdahl, Alfred and H.)
 Erdman, Howard S., Baltimore, Md. Table-leg socket. No. 1,120,702; Dec. 15; Gaz. vol. 209; p. 710.
 Erdman, Otto H., Birmingham, Ala. Furnace-grate. No. 1,105,636; Aug. 4; Gaz. vol. 205; p. 18.
 Erdmann, Emil M., Bucyrus, N. D. Door-check. No. 1,086,518; Feb. 10; Gaz. vol. 199; p. 373.
 Erdmann, Emil M., Long Prairie, Minn. Amusement advertising device. No. 1,112,060; Sept. 29; Gaz. vol. 206; p. 1284.
 Erhart, Otto K. (See Cooper, Maxey C., assignor.)
 Erichsen, Abraham M., Berlin-Reinickendorf, Germany. Apparatus for testing metal sheets, &c. No. 1,094,319; Apr. 21; Gaz. vol. 201; p. 817.
 Erickson, Ben. (See McConnell and Erickson.)
 Erickson, Carl H., Denver, Colo. Air-compressor. No. 1,091,313; Mar. 24; Gaz. vol. 200; p. 1026.
 Erickson, Carl H., Denver, Colo. Tooth-brush. No. 1,091,314; Mar. 24; Gaz. vol. 200; p. 1026.
 Erickson, Charles A., Minneapolis, Minn. Clutch. No. 1,096,781; May 12; Gaz. vol. 202; p. 581.
 Erickson, Charles A., Plattsburg, N. Y. Pneumatic suspension for vehicles. No. 1,104,294; July 21; Gaz. vol. 204; p. 806.
 Erickson, Charles A., Los Angeles, Cal. Gasifying device for liquid fuel. No. 1,117,354; Nov. 17; Gaz. vol. 208; p. 738.
 Erickson, Charles J. (See Keith and Erickson.)
 Erickson, Charles J., assignor, by mesne assignments, to First Trust and Savings Bank, trustee, Chicago, Ill. Party-line telephone system. No. 1,093,041; Apr. 14; Gaz. vol. 201; p. 349.
 Erickson, Claus, assignor of one-fourth to J. Smith, Ironwood, Mich. Metallic railway-tie. No. 1,094,847; Apr. 28; Gaz. vol. 201; p. 1064.
 Erickson, Daniel E., Berkeley, assignor to R. S. Moore, San Francisco, Cal. Oil-burning furnace. No. 1,122,088; Dec. 22; Gaz. vol. 209; p. 1231.
 Erickson, Edward, Beverly, Mass. Fastening device. No. 1,083,925; Jan. 13; Gaz. vol. 198; p. 248.
 Erickson, Edward, Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Heel-breasting machine. No. 1,084,259; Jan. 13; Gaz. vol. 198; p. 363.
 Erickson, Edward, assignor to The Boylston Manufacturing Company, Boston, Mass. Heel-compressing machine. No. 1,104,177; July 21; Gaz. vol. 204; p. 767.
 Erickson, Edward, assignor to The Boylston Manufacturing Company, Boston, Mass. Heel-attaching machine. No. 1,114,241; Oct. 20; Gaz. vol. 207; p. 723.
 Erickson, Edward, assignor to The Boylston Manufacturing Company, Boston, Mass. Shoe-slugging machine. No. 1,114,242; Oct. 20; Gaz. vol. 207; p. 723.
 Erickson, Edward, assignor to The Boylston Manufacturing Company, Boston, Mass. Heel-loading machine. No. 1,114,243; Oct. 20; Gaz. vol. 207; p. 724.
 Erickson, Edward, assignor to The Boylston Manufacturing Company, Boston, Mass. Cementing-machine. No. 1,118,542; Nov. 24; Gaz. vol. 208; p. 1194.
 Erickson, Frank H., Holdrege, Nebr. Door-latch. No. 1,091,644; Mar. 31; Gaz. vol. 200; p. 1181.
 Erickson, Henry. (See Erickson, Oscar J. and H.)
 Erickson, John. (See Keith and Erickson.)
 Erickson, John, Chicago, Ill., assignor to Denio General Electric Company, Rochester, N. Y. Fire-alarm signal-box for automatic telephone systems. No. 1,089,404; Mar. 10; Gaz. vol. 200; p. 295.
 Erickson, John, assignor, by mesne assignments, to First Trust and Savings Bank, trustee, Chicago, Ill. Electrical relay. No. 1,110,430; Sept. 15; Gaz. vol. 206; p. 640.
 Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Speed-indicator for calling devices. No. 1,112,994; Oct. 6; Gaz. vol. 207; p. 202.
 Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Line protective device. No. 1,113,319; Oct. 13; Gaz. vol. 207; p. 359.
 Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Harmonic ringer. No. 1,118,925; Dec. 1; Gaz. vol. 209; p. 7.
 Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Telephone-system receiver. No. 1,118,926; Dec. 1; Gaz. vol. 209; p. 7.
 Erickson, John E., St. Paul, Minn. Creasing-bar for box-machines. No. 1,119,074; Dec. 1; Gaz. vol. 209; p. 62.
 Erickson & Leroy. (See Daetweiler, Kasper, assignor.)
 Erickson, Melvin E., and A. W. Mogren, Grantsburg, Wis. Safety-extinguisher for lamps. No. 1,120,043; Dec. 8; Gaz. vol. 209; p. 429.
 Erickson, Nels, Coon Valley, Wis. Device for sampling milk or cream. No. 1,108,561; Aug. 25; Gaz. vol. 205; p. 1181.
 Erickson, Oscar J. and H., Benson, Minn. Grain-smut cleaner. No. 1,117,821; Nov. 17; Gaz. vol. 208; p. 903.
 Erickson, Peter, Chicago, Ill. Cutter-guard. No. 1,122,487; Dec. 29; Gaz. vol. 209; p. 1404.
 Erickson, Peter E., assignor to P. E. Erickson & Son, Inc., Port Chester, N. Y. Tool for repairing tires. No. 1,104,642; July 21; Gaz. vol. 204; p. 927.
 Erickson, William, assignor of one-fourth to H. C. Thomson, San Francisco, Cal. Calking device. No. 1,118,543; Nov. 24; Gaz. vol. 208; p. 1195.
 Erickson, William T., New York, N. Y. Tide-power mechanism. No. 1,089,120; Mar. 3; Gaz. vol. 200; p. 153.
 Ericson, Edward, Vermilion, S. D. Seed-corn rack. No. 1,111,061; Sept. 22; Gaz. vol. 206; p. 904.

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- Ericson, Lawrence, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Microphone. No. 1,083,926; Jan. 13; Gaz. vol. 198; p. 248.
- Ericsson, Gustav E., assignor of one-half to E. W. Webster, Dubois, Pa. Gate-locking means. No. 1,093,174; Apr. 14; Gaz. vol. 201; p. 396.
- Erie City Iron Works. (See Selden, Edward P., assignor.)
- Eriez Stove & Manufacturing Company. (See Skoog, John F., assignor.)
- Eriksen, Ingebrigt, assignor of one-third to J. P. Flanagan and one-third to S. C. Clemens, San Francisco, Cal. Operating-table attachment. No. 1,115,794; Nov. 3; Gaz. vol. 208; p. 110.
- Erikson, Christine, South Bend, Ind. Culinary knife. No. 1,117,355; Nov. 17; Gaz. vol. 208; p. 738.
- Erikson, Fall A., Minneapolis, Minn. Buttonhole-cutter. No. 1,117,356; Nov. 17; Gaz. vol. 208; p. 738.
- Erikson, John E., Edgerton, Alberta, Canada. Attachment for guns. No. 1,114,973; Oct. 27; Gaz. vol. 207; p. 1033.
- Erit, David, Westport, N. Y. Carbonator. No. 1,085,554; Jan. 27; Gaz. vol. 198; p. 862.
- Erith, Charles, London, England. Heating and purifying or softening water. No. 1,099,433; June 9; Gaz. vol. 203; p. 409.
- Erixon, Gustave A., *et al.* (See Goetzinger, Charles P., assignor.)
- Erlander, Milton S., New York, N. Y., assignor to The B. V. D. Company. Undergarment. No. 1,110,761; Sept. 15; Gaz. vol. 206; p. 756.
- Erlandsson, Hedvig L., Chicago, Ill. Lamp-bracket. No. 1,104,352; July 21; Gaz. vol. 204; p. 827.
- Erlanger, Milton, assignor to Eugene I. Rosenfeld & Co., Inc., Baltimore, Md. Detachable lamp-socket. No. 1,117,650; Nov. 17; Gaz. vol. 208; p. 842.
- Erlanger, Sidney C., assignor to The B. V. D. Company, New York, N. Y. Garment. No. 1,090,464; Mar. 17; Gaz. vol. 200; p. 707.
- Erlenbach, Arnold, Dessau, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Destroying insects. No. 1,097,406; May 19; Gaz. vol. 202; p. 845.
- Erlenbach, Arnold, Dessau, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Preparation for dyeing hairs, furs, and the like. No. 1,105,554; July 28; Gaz. vol. 204; p. 1295.
- Erlenbach, Arnold, and K. Marx, Dessau, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Dye for dyeing furs, hairs, and the like. No. 1,105,501; July 28; Gaz. vol. 204; p. 1277.
- Erlinder, Peter E., Chicago, Ill. Window-sash. No. 1,100,424; June 16; Gaz. vol. 203; p. 787.
- Erman, August, Omaha, Nebr. Clamp. No. 1,093,554; Apr. 14; Gaz. vol. 201; p. 519.
- Ermisch, Gustav H., Leipzig, Germany. Belt-stretcher. No. 1,084,139; Jan. 13; Gaz. vol. 198; p. 323.
- Ern, Carl F., Wald, near Solingen, Germany. Razor. No. 1,092,829; Apr. 14; Gaz. vol. 201; p. 277.
- Ern, Charles F., Jr., New York, N. Y. Razor. No. 1,107,662; Aug. 18; Gaz. vol. 205; p. 821.
- Ernenwein, Phillip J., New York, N. Y., assignor to Kelly-Springfield Tire Company, Jersey City, N. J. Rubber tire. No. 1,106,701; Aug. 11; Gaz. vol. 205; p. 433.
- Erney, Frank J., Cleveland, Ohio. Signaling device for automobiles. No. 1,105,637; Aug. 4; Gaz. vol. 205; p. 18.
- Erni, Walter, Milwaukee, Wis. Washing-machine. No. 1,116,684; Nov. 10; Gaz. vol. 208; p. 463.
- Ernst, Conrad M., and F. A. Schramm, Philadelphia, Pa. Bottle closure and opener. No. 1,096,613; May 12; Gaz. vol. 202; p. 525.
- Ernst, Joseph F., Minneapolis, Minn. Spring-tire. No. 1,120,801; Dec. 15; Gaz. vol. 209; p. 744.
- Ernst, Otto, Larchmont, N. Y. Valve for internal-combustion engines. No. 1,083,812; Jan. 6; Gaz. vol. 198; p. 182.
- Ernst, Richard, New York, N. Y. Hair-dye. No. 1,108,157; Aug. 25; Gaz. vol. 205; p. 1040.
- Ernst, William, and A. A. Patton, San Francisco, Cal. Tube-cleaner. No. 1,097,309; May 19; Gaz. vol. 202; p. 812.
- Erquhart, Allen S., and C. Duclos, Coalinga, Cal. Meat-saw. No. 1,089,192; Mar. 3; Gaz. vol. 200; p. 180.
- Errico, Gennaro, Waterbury, Conn. Fly-paper holder. No. 1,103,950; July 21; Gaz. vol. 204; p. 690.
- Ersfeld, Frederick W., New York, N. Y. Shoulder-support for personal wear. No. 1,112,201; Sept. 29; Gaz. vol. 206; p. 1333.
- Ershick, Charles. (See Norman, John F., assignor.)
- Erskine, James E., assignor of one-half to A. Isenberg, Louisville, Ky. Piston-bearing. No. 1,106,702; Aug. 11; Gaz. vol. 205; p. 433.
- Erskine, William N., *et al.* (See Harnishfeger, Alexander, assignor.)
- Ervien, Horace, Ogontz, Pa. Antirattler for vehicle-doors. No. 1,089,193; Mar. 3; Gaz. vol. 200; p. 180.
- Ervien, Horace, Ogontz, Pa. Automobile door-curtain. No. 1,120,608; Dec. 8; Gaz. vol. 209; p. 630.
- Ervien, Horace, Ogontz, Pa. Curtain-support. No. 1,120,609; Dec. 8; Gaz. vol. 209; p. 630.
- Erwin, Frank M., Louisville, Ky. Rule. No. 1,110,195; Sept. 8; Gaz. vol. 206; p. 516.
- Erwin, Herbert E., assignor to The New Britain Machine Company, New Britain, Conn. Dispensing-machine. No. 1,095,319; May 5; Gaz. vol. 202; p. 50.
- Erwin, Herbert E., New Britain, and H. M. Gorsline, Bristol, assignors to The New Britain Machine Company, New Britain, Conn. Vending-machine. No. 1,097,173; May 19; Gaz. vol. 202; p. 761.
- Erwin, Herbert E., New Britain, and H. M. Gorsline, Bristol, assignors to The New Britain Machine Company, New Britain, Conn. Check-controlled apparatus. No. 1,102,894; July 7; Gaz. vol. 204; p. 233.
- Erwin, James A., Atlanta, Ga. Shirt and trousers support. No. 1,110,912; Sept. 15; Gaz. vol. 206; p. 810.
- Erwin, James B. and O. R., Milwaukee, Wis. Extinguishing fires in oil-tanks. No. 1,085,805; Feb. 3; Gaz. vol. 199; p. 81.
- Erwin, Orlando R. (See Erwin, James B. and O. R.)
- Erwin, Roswell C., Oak Park, Ill. Rake. No. 1,089,542; Mar. 10; Gaz. vol. 200; p. 346.
- Erwin, William, Philadelphia, Pa. Adjustable arm or support. No. 1,088,690; Mar. 3; Gaz. vol. 200; p. 7.
- Esche, William, assignor of one-half to E. B. Loewenbach, Milwaukee, Wis. Shoemaker's jack. No. 1,104,484; July 21; Gaz. vol. 204; p. 872.
- Escher, Wyss & Co. (See Spiess, Paul, assignor.)
- Eschwei, Charles, Copiague, N. Y. Fur-beating machine. No. 1,085,976; Feb. 3; Gaz. vol. 199; p. 142.
- Eschwei, Charles, Copiague, N. Y., assignor to Marvel Products Company, Inc. Gasolene-fuel mixer. No. 1,119,259; Dec. 1; Gaz. vol. 209; p. 123.
- Eshbach, Franklin R., Oak Park, Ill. Window-sash. No. 1,120,186; Dec. 8; Gaz. vol. 209; p. 479.
- Eshelman, John W., New York, N. Y. Machine for extracting threads from woven fabrics. No. 1,097,216; May 19; Gaz. vol. 202; p. 779.
- Eshleman, David F., Marion, Ia. Hay or grain elevator and distributor. No. 1,109,408; Sept. 1; Gaz. vol. 206; p. 197.
- Eskholme, John W., Westfield, N. J., assignor, by *mesne* assignments, to C. & C. Electric & Manufacturing Company. Circuit-controlling apparatus. No. 1,122,488; Dec. 29; Gaz. vol. 209; p. 1404.
- Eskilstuna Stålpressnings Aktiebolag. (See Lindmark, John G., assignor.)
- Esnault-Pelterie, Robert, Boulogne-sur-Seine, France. Aeroplane. No. 1,115,795; Nov. 3; Gaz. vol. 208; p. 110.
- Espen-Lucas Machine Works. (See Lucas, William H., assignor.)
- Espenhayn, Wilhelm, and F. O. Hunger, Chemnitz, Germany. Weighing-machine. No. 1,116,254; Nov. 3; Gaz. vol. 208; p. 268.
- Esplen, Alexander, Liverpool, England. Engine-controlling apparatus. No. 1,095,146; Apr. 28; Gaz. vol. 201; p. 1166.
- Esplen, Alexander, Liverpool, England. Controlling the starting and working of engines. No. 1,106,197; Aug. 4; Gaz. vol. 205; p. 214.
- Espy, William P., Springfield, Ohio. Fluid-motor. No. 1,113,155; Oct. 6; Gaz. vol. 207; p. 256.
- Essayan, Frank G., Boston, Mass. Enamel. No. 1,091,492; Mar. 31; Gaz. vol. 200; p. 1130.
- Esser, Jacob M., Madison, Wis. Hose-reel. No. 1,117,357; Nov. 17; Gaz. vol. 208; p. 739.
- Essex Machine Company. (See Reed, James H., assignor.)
- Essex Rubber Company. (See Redfield, Clifford S., assignor.)
- Essick, William W., Reading, Pa. Goggles. No. 1,121,911; Dec. 22; Gaz. vol. 209; p. 1169.
- Estabrook, Alvah W., Kansas City, Mo., assignor to The Larabee Flour Mills Company, Hutchinson, Kans. Dry-shortening flour. No. 1,117,012; Nov. 10; Gaz. vol. 208; p. 578.
- Estabrook, Alvah W., Kansas City, Mo., and H. E. Weaver, Kansas City, assignors to The Larabee Flour Mills Company, Hutchinson, Kans. Dry shortening composition. No. 1,101,015; June 23; Gaz. vol. 203; p. 1044.
- Estabrook, Alvah W., Kansas City, Mo., and H. E. Weaver, Kansas City, assignors to The Larabee Flour Mills Company, Hutchinson, Kans. Dry-shortening flour. No. 1,105,638; Aug. 4; Gaz. vol. 205; p. 19.
- Estabrook, Alvah W., Kansas City, Mo., and H. E. Weaver, Kansas City, assignors to The Larabee Flour Mills Company, Hutchinson, Kans. Making dry-shortening flour. No. 1,117,011; Nov. 10; Gaz. vol. 208; p. 578.
- Estabrook, Alvah W., and H. E. Weaver, Kansas City, Mo., assignors to The Larabee Flour Mills Company, Hutchinson, Kans. Dry-shortening flour. No. 1,119,260; Dec. 1; Gaz. vol. 209; p. 124.
- Estabrook, Harry M., assignor to The Barney and Smith Car Company, Dayton, Ohio. Closure for hoppers. No. 1,105,639; Aug. 4; Gaz. vol. 205; p. 19.
- Estabrooks, George H., Brooklyn, N. Y. Piston packing-ring. No. 1,103,573; July 14; Gaz. vol. 204; p. 516.
- Estate of P. D. Beckwith, Inc. (See Howes, George W., assignor.)
- Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)

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- Estberg, William T., assignor to Penn Pressed Metal Co., Philadelphia, Pa. Oil-cup. No. 1,119,145; Dec. 1; Gaz. vol. 209; p. 86.
- Estell, Samuel F., Los Angeles, Cal. Car-seal. No. 1,095,271; May 5; Gaz. vol. 202; p. 33.
- Estep, William G., Duquesne, Pa. Valve. No. 1,090,521; Mar. 17; Gaz. vol. 200; p. 727.
- Ester and Company. (See Strohenger, Arthur P., assignor.)
- Estes, Dana, Brookline, assignor of one-half to J. B. Thomas, Boston, Mass. Fire-extinguisher. No. 1,112,202; Sept. 29; Gaz. vol. 206; p. 1334.
- Estes, Robert J., Coalgate, Okla. Capsule. No. 1,122,089; Dec. 22; Gaz. vol. 209; p. 1232.
- Estes, Thomas H., Texarkana, Tex. Testing device for jump-spark ignition systems. No. 1,084,932; Jan. 20; Gaz. vol. 198; p. 616.
- Estrada, Ramon P., Magdalena, Mexico. Animal-trap. No. 1,118,752; Nov. 24; Gaz. vol. 208; p. 1265.
- Etchison, Louis A., assignor of one-half to J. R. Eaton, Cana, N. C. Grain-cleaning machine. No. 1,117,822; Nov. 17; Gaz. vol. 208; p. 903.
- Etheridge, Herbert, Wimbledon Park, assignor to The Bar-Lock Typewriter Company Limited, London, England. Roller-bearing and separator for the rollers. No. 1,112,900; Oct. 6; Gaz. vol. 207; p. 170.
- Etheridge, Herbert, Wimbledon Park, assignor to The Bar-Lock Typewriter Company Limited, London, England. Type-writer and type-bar mechanism therefor. No. 1,118,405; Nov. 24; Gaz. vol. 208; p. 1144.
- Etheridge, Herbert, Wimbledon Park, assignor to The Bar-Lock Typewriter Company Limited, London, England. Feed mechanism for type-writers. No. 1,118,406; Nov. 24; Gaz. vol. 208; p. 1145.
- Etheridge, Theodore S., Grand Rapids, Mich. Device for attaching book-covers. No. 1,114,740; Oct. 27; Gaz. vol. 207; p. 949.
- Etherington, Alfred L., Milton, Nova Scotia, Canada. Spring-seat for agricultural machines. No. 1,093,042; Apr. 14; Gaz. vol. 201; p. 349.
- Etherington, Stanley. (See Rees and Etherington.)
- Etherton, Jesse E., Chicago, Ill. Rail-joint. No. 1,114,453; Oct. 20; Gaz. vol. 207; p. 799.
- Ethridge, Frank N., assignor of one-half to J. A. Wensley, Lynn, Mass. Beading and seam-hammering machine. No. 1,123,183; Dec. 29; Gaz. vol. 209; p. 1651.
- Ettenger, Robert L., Washington, D. C. Uncoupling mechanism. No. 1,093,896; June 2; Gaz. vol. 203; p. 183.
- Etter, Harvey V. (See Beadle and Etter.)
- Eu Daly, Norman W., Seymour, Ind. Condiment-holder. No. 1,083,320; Jan. 6; Gaz. vol. 198; p. 21.
- Euchenhofner, Albert J. (See Rieske, Otto G., assignor.)
- Eugene I. Rosenfeld & Co. (See Erlanger, Milton, assignor.)
- Eureka Mower Company. (See Gilroy, William E., assignor.)
- Eustis, John P., Newton, Mass. Shelf-rail. No. 1,083,675; Jan. 6; Gaz. vol. 198; p. 138.
- Euston, Edwin, St. Louis, Mo. Producing white lead. No. 1,106,793; Aug. 11; Gaz. vol. 205; p. 465.
- Euston, Edwin, St. Louis, Mo. Producing white lead. No. 1,106,794; Aug. 11; Gaz. vol. 205; p. 466.
- Euston, Edwin, St. Louis, Mo. Composition of matter to be used as a pigment. No. 1,108,562; Aug. 25; Gaz. vol. 205; p. 1181.
- Euston, Edwin, assignor to Euston Lead Company, St. Louis, Mo. Making basic carbonates of lead. No. 1,117,358; Nov. 17; Gaz. vol. 208; p. 739.
- Euston Lead Company. (See Euston, Edwin, assignor.)
- Euterpean Duplicator Company. (See Myers, Edgar W., assignor.)
- Eva, Samuel J., H. P. Gray, and J. R. Christy, Oakland, Cal. Process of and apparatus for aerating and feeding liquid fuel. No. 1,100,126; June 16; Gaz. vol. 203; p. 683.
- Evanovitch, Gusser, London, England. Wheel-guard or obstruction-remover for motor road-vehicles. No. 1,113,421; Oct. 13; Gaz. vol. 207; p. 396.
- Evans, Alfred J., Mosier, Oreg. Front gun-sight. No. 1,087,747; Feb. 17; Gaz. vol. 199; p. 851.
- Evans, Alfred M., Amherst Junction, Wis. Building-wall. No. 1,112,995; Oct. 6; Gaz. vol. 207; p. 202.
- Evans, Almirall & Co. (See Evans, Quimby N., assignor.)
- Evans, Charles, Jr., et al. (See Curry, Charles N., assignor.)
- Evans, Charles E., Weed, Cal. Stile and rail rabbeter. No. 1,091,203; Mar. 24; Gaz. vol. 200; p. 991.
- Evans, Charles E., Weed, Cal. Lumber-jack. No. 1,092,704; Apr. 7; Gaz. vol. 201; p. 200.
- Evans, Charles E., Weed, Cal. Stile and rail rabbeter. No. 1,097,407; May 19; Gaz. vol. 202; p. 845.
- Evans, Clarence A., Chester, Pa. Educational device. No. 1,100,362; June 16; Gaz. vol. 203; p. 766.
- Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,100,964; June 23; Gaz. vol. 203; p. 1026.
- Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,108,563; Aug. 25; Gaz. vol. 205; p. 1181.
- Evans, David, Newport, assignor to The Tempus Fugit Indicator Company Limited, London, England. Time-indicating dial. No. 1,121,486; Dec. 15; Gaz. vol. 209; p. 983.
- Evans, David J., Kenilworth, Ill. Grab-bucket hanger. No. 1,094,545; Apr. 28; Gaz. vol. 201; p. 956.
- Evans, Edward L., Fort Myers, Fla. Artificial bait. No. 1,089,915; Mar. 10; Gaz. vol. 200; p. 474.
- Evans, Edwin R., Orillia, Ontario, Canada. Interchange-speed-gear mechanism for automobiles. No. 1,117,013; Nov. 10; Gaz. vol. 208; p. 578.
- Evans, Ernest, Liscard, England. Manufacture of feeding-cake. No. 1,094,320; Apr. 21; Gaz. vol. 201; p. 818.
- Evans, Ernest W., Robinson, Ill. Water-heater. No. 1,112,529; Oct. 6; Gaz. vol. 207; p. 41.
- Evans, Evan. (See White and Evans.)
- Evans, Fred, Summit, N. J., assignor to Patented Devices Company, New York, N. Y. Adjustable lamp-shade. No. 1,090,465; Mar. 17; Gaz. vol. 200; p. 707.
- Evans, Fred, Summit, and M. Campbell, Englewood, N. J., assignors to Patented Devices Company, New York, N. Y. Phonographic-record holder. No. 1,101,623; June 30; Gaz. vol. 203; p. 1304.
- Evans, George B., Winthrop, Mass. Nail. No. 1,109,328; Sept. 1; Gaz. vol. 206; p. 168.
- Evans, George H., Memphis, Tenn. Land-anchor. No. 1,108,158; Aug. 25; Gaz. vol. 205; p. 1040.
- Evans, George R. (See Miller and Evans.)
- Evans, George S., Lenoir City, Tenn. Brake-shoe. No. 1,085,555; Jan. 27; Gaz. vol. 198; p. 862.
- Evans, George S., Lenoir City, Tenn. Attachment for testing-machines. No. 1,120,461; Dec. 8; Gaz. vol. 209; p. 578.
- Evans, George S., Lenoir City, Tenn., assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Metallic back for brake-shoes. No. 1,109,122; Sept. 1; Gaz. vol. 206; p. 93.
- Evans, George W., Tuxedo Park, Md. Insect-destroyer. No. 1,119,502; Dec. 1; Gaz. vol. 209; p. 208.
- Evans, George W., Jr., Lutherville, Md. Combined wrapper and article. No. 1,100,363; June 16; Gaz. vol. 203; p. 766.
- Evans, Harry, Bryn Mawr, Pa. Shock-absorber. No. 1,119,005; Dec. 1; Gaz. vol. 209; p. 36.
- Evans, Harry N., Sr., Philadelphia, Pa. Guard for pneumatic hammers. No. 1,085,896; Feb. 3; Gaz. vol. 199; p. 112.
- Evans, Harry N., Sr., Philadelphia, Pa. Gage-cock. No. 1,090,203; Mar. 17; Gaz. vol. 200; p. 614.
- Evans, Hector G., assignor of one-half to J. F. Ewing, Pittsburgh, Pa. Rail-joint. No. 1,090,699; Mar. 17; Gaz. vol. 200; p. 786.
- Evans, Henry R., New York, N. Y., assignor to Granulator Soap Company. Soap-dispensing machine. No. 1,108,982; Sept. 1; Gaz. vol. 206; p. 44.
- Evans & Howard Fire Brick Company. (See Fassett, Francis K., assignor.)
- Evans, James. (See Evans, John, Jr., and J.)
- Evans, James B., Sr., Fort Worth, Tex. Rail-joint. No. 1,093,555; Apr. 14; Gaz. vol. 201; p. 520.
- Evans, John, Jr., and J., Salt Lake City, Utah. Belt-fastener. No. 1,087,777; Feb. 17; Gaz. vol. 199; p. 861.
- Evans, Lewis J., Kirkwood, N. Y. Elevating device. No. 1,120,703; Dec. 15; Gaz. vol. 209; p. 710.
- Evans, Owen B., Lansdowne, assignor to The United Gas Improvement Company, Philadelphia, Pa. Burning solid fuel. No. 1,085,806; Feb. 3; Gaz. vol. 199; p. 82.
- Evans, Powell. (See Philp, Frederick D., assignor.)
- Evans, Powell, Philadelphia, Pa. Power-transmission mechanism. No. 1,095,094; Apr. 28; Gaz. vol. 201; p. 1148.
- Evans, Powell, Philadelphia, Pa. Chain-case for motor-vehicles. No. 1,118,848; Nov. 24; Gaz. vol. 208; p. 1297.
- Evans, Powell, Philadelphia, Pa. Link for sprinkler-heads. No. 1,120,462; Dec. 8; Gaz. vol. 209; p. 578.
- Evans, Quimby N., assignor to Evans, Almirall & Co., New York, N. Y. Steam-heating system. No. 1,087,284; Feb. 17; Gaz. vol. 199; p. 689.
- Evans, Richard J., assignor to Franklin Manufacturing Company, Franklin, Pa. Lining for railway-cars and other buildings. No. 1,116,351; Nov. 3; Gaz. vol. 208; p. 301.
- Evans, Robert T., and W. G. Nord, Youngstown, Ohio. Steam-trap. No. 1,117,359; Nov. 17; Gaz. vol. 208; p. 739.
- Evans, Rufus M., Tecumseh, assignor of one-half to C. W. Schwartz, Topeka, Kans. Rail-brace. No. 1,084,260; Jan. 13; Gaz. vol. 198; p. 363.
- Evans, Samuel, Chicago, Ill. Changeable sign. No. 1,117,360; Nov. 17; Gaz. vol. 208; p. 739.
- Evans, Sanford K., Elmsford, N. Y. Speed control for motor-cars. No. 1,083,525; Jan. 6; Gaz. vol. 198; p. 88.
- Evans, Sanford K., Elmsford, N. Y. Speed control for motors. No. 1,117,361; Nov. 17; Gaz. vol. 208; p. 740.
- Evans' Sons, John. (See Evans, William, assignor.)
- Evans, Thomas F., Wilmslow, England. Driving-gear for motor-vehicles. No. 1,105,640; Aug. 4; Gaz. vol. 205; p. 19.

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- Evans, Truman, Mangum, Okla. Balancing device for pumps. No. 1,085,556; Jan. 27; Gaz. vol. 198; p. 863.
- Evans, William, Oak Lane, assignor to John Evans' Sons, Philadelphia, Pa. Shock-absorber for motor-car springs. No. 1,111,015; Sept. 22; Gaz. vol. 206; p. 888.
- Evans, William B., assignor of one-half to E. H. Gerhardt, Philadelphia, Pa. Lid for stoves, ranges, and the like. No. 1,084,879; Jan. 20; Gaz. vol. 198; p. 599.
- Eveland, Frank W., Hot Springs, Ark. Liquid-fuel burner. No. 1,099,542; June 9; Gaz. vol. 203; p. 446.
- Eveleth, Charles E. (See Hewlett and Eveleth.)
- Eveleth, Clarence M., River Forest, Ill. Exhibiting mechanism. No. 1,096,360; May 12; Gaz. vol. 202; p. 441.
- Eveleth, Clarence M., River Forest, Ill. Weather-strip. No. 1,116,685; Nov. 10; Gaz. vol. 208; p. 464.
- Evens and Howard Fire Brick Company. (See Lukens, Thomas W., assignor.)
- Evenson, Martin, Hudson, Wis. Window-frame. No. 1,107,504; Aug. 18; Gaz. vol. 205; p. 764.
- Everett, Archie I., Mount Carmel, Pa. Device for compressing piston-rings. No. 1,106,198; Aug. 4; Gaz. vol. 205; p. 214.
- Everett Current Motor Company. (See Booth, Oscar D., assignor.)
- Everett, Edward A., assignor of one-half to E. A. Merritt, Jr., Potsdam, N. Y. Bottle-capping machine. No. 1,085,557; Jan. 27; Gaz. vol. 198; p. 863.
- Everett, George W., assignor to C. Doblin, New York, N. Y. Cigar-lighter. No. 1,095,389; May 5; Gaz. vol. 202; p. 73.
- Everett, Harvey, and L. H. Kurth, Lewiston, Idaho. Fruit-picker. No. 1,099,289; June 9; Gaz. vol. 203; p. 358.
- Everett, Samuel H., Jr., Brooklyn, N. Y., assignor to Gould Storage Battery Company. Electrical system of distribution. No. 1,114,872; Oct. 27; Gaz. vol. 207; p. 997.
- Everett, Sylvester W. (See Wilson and Everett.)
- Evers, Bernard J., St. Elizabeth, Mo. Neck-yoke and cap for draft-poles. No. 1,113,891; Oct. 13; Gaz. vol. 207; p. 560.
- Evers, Cyrus, New York, N. Y., and J. H. Dickinson, Montclair, N. J. Logging-engine. No. 1,103,135; July 14; Gaz. vol. 204; p. 365.
- Evers, Joseph B., et al. (See Young, Daniel H., assignor.)
- Evers, Kurt, Charlottenburg, Germany, assignor to General Electric Company. Injector for oil-engines. No. 1,118,407; Nov. 24; Gaz. vol. 208; p. 1146.
- Evers, Kurt, Charlottenburg, Germany, assignor to General Electric Company. Fuel-injector for oil-engines. No. 1,118,753; Nov. 24; Gaz. vol. 208; p. 1266.
- Evers, William H., Lakewood, Ohio. Core-mold for concrete structures. No. 1,099,171; June 9; Gaz. vol. 203; p. 317.
- Eversman, Lewis W., and H. H. Hodges, Julesburg, Colo. Beet-harvester. No. 1,083,927; Jan. 13; Gaz. vol. 198; p. 249.
- Everson, Elsworth E., Brilliant, Ohio. Fence construction. No. 1,104,485; July 21; Gaz. vol. 204; p. 873.
- Everson, John J., Newton, Mass. Air-pumping apparatus. No. 1,084,322; Jan. 13; Gaz. vol. 198; p. 384.
- Everson, Joseph C., Colfax, Wis. Sand-sifter. No. 1,084,323; Jan. 13; Gaz. vol. 198; p. 384.
- Every, Elmer D. (See Tyler and Every.)
- Eves, Joshua V., Belfast, Ireland. Machine for hackling and spreading flax and other long-stapled fibers. No. 1,102,895; July 7; Gaz. vol. 204; p. 234.
- Eves, Joshua V., and P. Shaw, assignors to J. and T. M. Greeves, Limited, Belfast, Ireland. Machinery for hackling and spreading flax and other long-staple fibers. No. 1,099,084; June 2; Gaz. vol. 203; p. 242.
- Eves, Reginald V., Belfast, Ireland. Hackling-machine for flax and other like fibers. No. 1,083,928; Jan. 13; Gaz. vol. 198; p. 249.
- Evinrude Motor Co. (See Evinrude, Ole, assignor.)
- Evinrude, Ole, assignor to Evinrude Motor Co., Milwaukee, Wis. Marine propulsion mechanism. No. 1,087,162; Feb. 17; Gaz. vol. 199; p. 645.
- Evrard, Ernest M. (See Ridley, Charles, assignor.)
- Evslin, Leo E., New York, N. Y., assignor to The Universal Interchangeable Tooth Company, Peoria, Ill. Tooth. No. 1,120,704; Dec. 15; Gaz. vol. 209; p. 711.
- Evslin, Leo E., New York, N. Y., assignor to The Universal Interchangeable Tooth Company, Peoria, Ill. Tooth. No. 1,120,705; Dec. 15; Gaz. vol. 209; p. 711.
- Ewald, Albert J., Los Angeles, Cal. Load brake apparatus. No. 1,107,505; Aug. 18; Gaz. vol. 205; p. 764.
- Ewald, Henry C., Louisville, Ky. Bed-cover holder. No. 1,103,494; July 14; Gaz. vol. 204; p. 487.
- Ewald, Leo, Minneapolis, Minn. Cleaning-brush for linotype-machine plungers. No. 1,106,795; Aug. 11; Gaz. vol. 205; p. 466.
- Ewalt, Guy L., Sykes, Mont. Valve. No. 1,092,984; Apr. 14; Gaz. vol. 201; p. 330.
- Ewart, Archibald M., Barberton, Ohio. Talking-machine cabinet. No. 1,121,238; Dec. 15; Gaz. vol. 209; p. 897.
- Ewart, Arthur F., assignor to Honolulu Iron Works Company, Honolulu, Hawaii. Sugar-cane mill. No. 1,106,291; Aug. 4; Gaz. vol. 205; p. 243.
- Ewell, Herbert P., Detroit, Mich. Separator. No. 1,091,917; Mar. 31; Gaz. vol. 200; p. 1277.
- Ewell, John F., assignor to Barrett Manufacturing Company, Chicago, Ill. Underbody for tank-cars. No. 1,099,434; June 9; Gaz. vol. 203; p. 409.
- Ewell, John F., assignor to Barrett Manufacturing Company, Chicago, Ill. Underbody for tank-cars. No. 1,107,053; Aug. 11; Gaz. vol. 205; p. 554.
- Ewell, John F., assignor to Barrett Manufacturing Company, Chicago, Ill. Underbody for tank-cars. No. 1,119,261; Dec. 1; Gaz. vol. 209; p. 124.
- Ewen, James. (See Ewen, Robert and J.)
- Ewen, Robert and J., Cranbrook, British Columbia, Canada. Loading device. No. 1,098,239; May 26; Gaz. vol. 202; p. 1179.
- Ewers, Alexander L., Durmid, Va., assignor to United Cigarette Machine Co., Ltd., London, England. Tobacco-feeding for cigarette-machines. No. 1,114,127; Oct. 20; Gaz. vol. 207; p. 682.
- Ewest, Otto H., Birmingham, Ala. Automatic train-stop. No. 1,122,090; Dec. 22; Gaz. vol. 209; p. 1232.
- Ewing, A. E., et al. (See Dudgeon, Adelbert, assignor.)
- Ewing, Alexander, Victoria, British Columbia, Canada. Liquid-fuel burner. No. 1,108,728; Aug. 25; Gaz. vol. 205; p. 1237.
- Ewing, Charles R., Baltimore, Md., assignor to Standard Oil Company, Bayonne, N. J. Apparatus for distilling petroleum. No. 1,083,998; Jan. 13; Gaz. vol. 198; p. 274.
- Ewing, Claude W., Toledo, Ohio. Chemical-mixer. No. 1,111,788; Sept. 29; Gaz. vol. 206; p. 1192.
- Ewing, Edgar A., assignor to Harbeck Motors Company, Chicago, Ill. Clutch. No. 1,120,044; Dec. 8; Gaz. vol. 209; p. 430.
- Ewing, Frank. (See Skinner and Ewing.)
- Ewing, Hugh, Columbus, Ohio. Self-propelled vehicle. No. 1,089,121; Mar. 3; Gaz. vol. 200; p. 154.
- Ewing, James F. (See Evans, Hector G., assignor.)
- Ewing, Maria, Tarrytown, N. Y. Map. No. 1,108,159; Aug. 25; Gaz. vol. 205; p. 1040.
- Ewing, Moses, assignor of one-half to C. L. Gilliland, Chester, Pa. Slub-catcher. No. 1,102,213; June 30; Gaz. vol. 203; p. 1512.
- Ewing, Moses, assignor of one-half to C. L. Gilliland, Chester, Pa. Slub-catcher stop-motion for winders. No. 1,102,214; June 30; Gaz. vol. 203; p. 1513.
- Ewing, Robert E., Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Lamp-support. No. 1,084,261; Jan. 13; Gaz. vol. 198; p. 363.
- Ewing, Urbane J., Uniontown, Pa. Combined water filter, sterilizer, and cooler. No. 1,123,117; Dec. 29; Gaz. vol. 209; p. 1626.
- Excel Jack Mfg. Co. (See Forrest, William H., assignor.)
- Excelsior Drum Works. (See Lapin, Samuel, assignor.)
- Excelsior Needle Company. (See Lamb, Amherst G., assignor.)
- Excelsior Seat Company, The. (See Hershey, William B. C., assignor.)
- Excelsior Steel Furnace Company, The. (See Scherer, Albert G., assignor.)
- Excelsior Stove and Manufacturing Company. (See Heidebreder and Ohnemus, assignors.)
- Excelsior Supply Company. (See Meiser, George H., assignor.)
- Excess Indicator Company. (See Stone, John, assignor.)
- Exline, Marcus P., Dallas, Tex. Bank pass-book. No. 1,120,463; Dec. 8; Gaz. vol. 209; p. 579.
- Extensive Manufacturing Company, The. (See Fancher, Charles J., assignor.)
- Eyer, Philipp, Frankfurt-on-the-Main, Germany. Enamel composition. No. 1,118,898; Nov. 24; Gaz. vol. 208; p. 1314.
- Eyers, George, Marshfield, Wis. Road-scraper. No. 1,103,951; July 21; Gaz. vol. 204; p. 690.
- Eynon, Thomas M., Philadelphia, Pa. Gate-valve. No. 1,091,918; Mar. 31; Gaz. vol. 200; p. 1278.
- Eynon, William H., Cleveland, Ohio. Machine for making chain-mesh. No. 1,086,810; Feb. 10; Gaz. vol. 199; p. 476.
- Eyssell, Moritz. (See Bidtel, Ernst, assignor.)
- Ezbelent, Eugene L., Paris, France. Plaiting-machine for producing textile fabrics resembling velvet. No. 1,107,771; Aug. 18; Gaz. vol. 205; p. 859.
- Ezell, James D., and J. G. King, Burlington, N. C. Device for spinning-frames. No. 1,104,881; July 28; Gaz. vol. 204; p. 1059.
- F. Wesel Manufacturing Company. (See Hopkins, Charles E., assignor.)
- F. Wesel Manufacturing Company. (See Weston, Folke W., assignor.)
- F. A. Hardy & Company. (See Pixley, Charles H., assignor.)
- F. A. Hardy & Company. (See Troppman, Charles J., assignor.)
- F. A. Neider Company, The. (See Neider, Fred A., assignor.)
- F. A. Whitney Carriage Co. (See Ambler, George B., assignor.)
- F. B. Shuster Company, The. (See Hemming, Otto L., assignor.)

Alphabetical list of patentees—Continued.

- F. F. Slocomb & Co. (See Slocomb, Charles E., assignor.)
 F. F. Slocomb & Co., (See Slocomb, Frank F., assignor.)
 F. & F. Specialty Co. (See Field, George W., assignor.)
 F. H. Smith Manufacturing Company. (See Sassemann, David C., assignor.)
 F. L. Schmidt Company. (See Novick, Abraham, assignor.)
 F. L. Smidth & Co. (See Morgensen, Olaf E., assignor.)
 F. N. Burt Company. (See Holly, Carlos, assignor.)
 F. O. Hilfiker Co. (See Hilfiker, Frederick O., assignor.)
 F. W. Spacke Machine Company, The. (See Lowe, John D., assignor.)
 F. W. Spacke Machine Company, The. (See Spacke, William, assignor.)
 F. W. Spacke Machine Company, The. (See Spacke, Brownlee, and Spacke, assignors.)
 F. W. Wakefield Brass Company, The. (See Wakefield, Frederick W., assignor.)
 F. W. Webb Manufacturing Company. (See Thorndike, Herbert W., assignor.)
 Faas, Henry N. (See Lewis and Faas.)
 Faas, Henry N., assignor to The American Seeding Machine Company, Springfield, Ohio. Clutch. No. 1,114,683; Oct. 20; Gaz. vol. 207; p. 876.
 Fabel, Christine M., Oceanpark Heights, Cal. Composition for pie-crust or the like. No. 1,103,355; July 14; Gaz. vol. 204; p. 441.
 Faber, Christian C. (See Faber, William J., assignor.)
 Faber & Co., M. (See Matitsch, August, assignor.)
 Faber, Eberhard, New York, assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Case for pencils and the like. No. 1,097,585; May 19; Gaz. vol. 202; p. 905.
 Faber, Ernst, Berlin, Germany. Fuse for projectiles. No. 1,102,732; July 7; Gaz. vol. 204; p. 178.
 Faber, William J., Onelda, assignor of one-half to C. C. Faber, Brooklyn, N. Y. Shock-absorber for vehicles. No. 1,117,014; Nov. 10; Gaz. vol. 208; p. 579.
 Fabian, John, Highland Park, Ill. Adjustable gun-stock. No. 1,118,274; Nov. 24; Gaz. vol. 208; p. 1097.
 Fabian, Julius, Philadelphia, Pa. Insect-trap. No. 1,084,417; Jan. 13; Gaz. vol. 198; p. 413.
 Fabrik Explosionsssicherer Gefässe G. m. b. H. (See Scheuffgen, Robert, assignor.)
 Fackenthal, Charles S., Pacific Grove, Cal. Filter. No. 1,106,641; Aug. 11; Gaz. vol. 205; p. 414.
 Facklam, Otto, Gantenbeck, near Klütz, Germany. Band-cutter and feeder. No. 1,090,522; Mar. 17; Gaz. vol. 200; p. 728.
 Fader, Fenwick D., J. and J. W. Tibb, Vancouver, British Columbia, Canada. Call-registering telephone. No. 1,106,501; Aug. 11; Gaz. vol. 205; p. 363.
 Faehr, Paul, Bitterfeld, assignor to Electrochemische Werke, G. m. b. H., Berlin, Germany. Pyrophoric alloy. No. 1,102,575; July 7; Gaz. vol. 204; p. 125.
 Faehrmann, John M., Houston, Tex. Tourist's glass. No. 1,104,643; July 21; Gaz. vol. 204; p. 927.
 Faehrmann, John M., Houston, Tex. Tourist's glass. No. 1,104,644; July 21; Gaz. vol. 204; p. 928.
 Fagan, Michael F., Altoona, Pa. Drag-brake for railway-cars. No. 1,096,418; May 12; Gaz. vol. 202; p. 460.
 Fagan, Philip J., St. Louis, Mo. Bedstead. No. 1,093,774; Apr. 21; Gaz. vol. 201; p. 637.
 Fagan, Robert T., Bassfield, Miss. Well-saw. No. 1,088,135; Feb. 24; Gaz. vol. 199; p. 1032.
 Fagan, Thomas R., Huntington, W. Va. Thermostatically-operated circuit-breaker. No. 1,098,490; June 2; Gaz. vol. 203; p. 46.
 Fagard, Jules, Liege, Belgium. Carbureter for internal-combustion engines. No. 1,109,974; Sept. 8; Gaz. vol. 206; p. 437.
 Fagerholm, Albin E. S., assignor to N. A. Nelson, Brooklyn, N. Y. Explosive-engine. No. 1,089,194; Mar. 3; Gaz. vol. 200; p. 181.
 Fagerlund, Erik A., Stockholm, Sweden. Electric-circuit breaker and the like. No. 1,088,268; Feb. 24; Gaz. vol. 199; p. 1078.
 Faget, Arthur, San Francisco, Cal. Ice-making apparatus. No. 1,091,919; Mar. 31; Gaz. vol. 200; p. 1278.
 Faherty, Michael W., Memphis, Tenn., assignor to A. W. French, Piqua, Ohio. Steam-cooker and the like. No. 1,112,127; Sept. 29; Gaz. vol. 206; p. 1306.
 Faherty, Michael W., Memphis, Tenn., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Gate-operating mechanism for meal-cookers and analogous apparatus. No. 1,112,128; Sept. 29; Gaz. vol. 206; p. 1307.
 Fahle, Raymond J. (See Kurtzon and Fahle.)
 Fahnstock, Charles M., Cincinnati, Ohio. Truck. No. 1,115,796; Nov. 3; Gaz. vol. 208; p. 111.
 Fahr, Johann G., assignor to Maschinenfabrik Fahr/A.-G., Gottmadingen, Germany. Mowing-machine. No. 1,115,797; Nov. 3; Gaz. vol. 208; p. 111.
 Fahrbach, Edward L., Buffalo, N. Y. Vacuum-cleaner. No. 1,112,277; Sept. 29; Gaz. vol. 206; p. 1360.
 Fahrney, John J., assignor to Fahrney Wheel Corporation, Timberville, Va. Resilient wheel. No. 1,122,889; Dec. 29; Gaz. vol. 209; p. 1546.
 Fahrney, John J., assignor to Fahrney Wheel Corporation, Timberville, Va. Spring-wheel. No. 1,122,890; Dec. 29; Gaz. vol. 209; p. 1547.
 Fahrney, John J., Timberville, assignor of one-third to J. P. Burke, Harrisonburg, one-sixth to J. T. Helbert and one-sixth to F. H. Driver, Timberville, Va. Vehicle-wheel. No. 1,087,224; Feb. 17; Gaz. vol. 199; p. 668.
 Fahrney, John J., Timberville, assignor of one-third to J. P. Burke, Harrisonburg, one-sixth to J. T. Helbert and one-sixth to F. H. Driver, Timberville, Va. Vehicle-wheel. No. 1,087,225; Feb. 17; Gaz. vol. 199; p. 669.
 Fahrney, John J., Timberville, assignor of one-third to J. P. Burke, Harrisonburg, one-sixth to J. T. Helbert and one-sixth to F. H. Driver, Timberville, Va. Vehicle-wheel. No. 1,087,226; Feb. 17; Gaz. vol. 199; p. 670.
 Fahrney Wheel Corporation. (See Fahrney, John J., assignor.)
 Fahrney Wheel Corporation. (See Helbert, John T., assignor.)
 Fahrney, William H., Chicago, Ill. Spring vehicle-wheel. No. 1,098,028; May 26; Gaz. vol. 202; p. 1108.
 Fahrney, William H., Chicago, Ill. Spring vehicle-wheel. No. 1,108,564; Aug. 25; Gaz. vol. 205; p. 1182.
 Fain, Edward C., Wetumpka, Ala. Dispensing-refrigerator. No. 1,105,502; July 28; Gaz. vol. 204; p. 1277.
 Fair, James, near San Jose, Cal. Traction-wheel. No. 1,110,196; Sept. 8; Gaz. vol. 206; p. 516.
 Fair, Margaret C. R., East Cambridge, Mass. Instep-support. No. 1,086,358; Feb. 10; Gaz. vol. 199; p. 318.
 Fairall, Harry K. (See Boley and Fairall.)
 Fairbanks, Alfred C., trustee. (See Adams, Harry A., assignor.)
 Fairbanks, Charles E., Providence county, R. I. Upright annealing-furnace. No. 1,085,197; Jan. 27; Gaz. vol. 198; p. 743.
 Fairbanks, Leonard M., New Haven, Conn., assignor to The H. G. Thompson & Son Co. Hack-saw-frame. No. 1,103,495; July 14; Gaz. vol. 204; p. 487.
 Fairbanks, Morse & Company. (See Ahara, George V., assignor.)
 Fairbanks, Morse & Company. (See Atkinson, Cyril J., assignor.)
 Fairbanks, Morse & Company. (See Elder and Krausch, assignors.)
 Fairbanks, Morse & Company. (See Gore, Warren W., assignor.)
 Fairbanks, Morse & Company. (See Macneill, Martin B., assignor.)
 Fairbanks, Morse & Company. (See Townsend, Roy C., assignor.)
 Fairbanks, Morse & Company. (See Vail and Powers, assignors.)
 Fairbanks, Morse & Company. (See Yost and Jahnke, assignors.)
 Fairbrother, Benjamin F. B., Keene, N. H., assignor to C. K. Darling, Concord, Mass. Smoke-preventer. No. 1,088,136; Feb. 24; Gaz. vol. 199; p. 1032.
 Fairchild, David L., et al., administrators. (See Ozlas, Albert N.)
 Fairchild, Walter L., trustee. (See Dienstbach, Carl, assignor.)
 Fairfax, James E., assignor of two-thirds to J. M. Richardson, Aiken, S. C. Plaster composition. No. 1,099,739; June 9; Gaz. vol. 203; p. 513.
 Fairfax, James E., assignor of one-half to G. R. Webb, Aiken, S. C. Plaster. No. 1,122,891; Dec. 29; Gaz. vol. 209; p. 1548.
 Fairley, David, Hattiesburg, Miss. Running-gear for motor-vehicles. No. 1,088,888; Mar. 3; Gaz. vol. 200; p. 74.
 Fairmont Electric and Manufacturing Company, The. (See Liversidge, Horace P., assignor.)
 Faisant, Lucien, Paris, France. Double-slide-valve gear for steam-engines. No. 1,096,614; May 12; Gaz. vol. 202; p. 525.
 Faix, John and S., San Francisco, Cal. Bale-hook. No. 1,111,370; Sept. 22; Gaz. vol. 206; p. 1010.
 Faix, Samuel. (See Faix, John and S.)
 Falco, Vittorio, Turin, assignor to Metallurgica Bresciana Già Tempini, Brescia, Italy. Automatic pistol. No. 1,089,195; Mar. 3; Gaz. vol. 200; p. 181.
 Falconer, Robert G., Washington, D. C. Automobile-signal. No. 1,112,278; Sept. 29; Gaz. vol. 206; p. 1361.
 Falk, Albert, assignor to Falk Tobacco Company, New York, N. Y. Packing tobacco. No. 1,117,015; Nov. 10; Gaz. vol. 208; p. 579.
 Falk, Arthur, assignor to Falk Tobacco Company, New York, N. Y. Dispensing-package. No. 1,117,016; Nov. 10; Gaz. vol. 208; p. 579.
 Falk, David B., Savannah, Ga. Garment-bag. No. 1,101,421; June 23; Gaz. vol. 203; p. 1182.
 Falk, Frank A., Stacyville, Iowa. Cream-separator. No. 1,120,464; Dec. 8; Gaz. vol. 209; p. 579.
 Falk, Herman W., and W. K. Andrew, Milwaukee, Wis. Carbureter valve and governor. No. 1,094,986; Apr. 28; Gaz. vol. 201; p. 1113.
 Falk Tobacco Company. (See Falk, Albert, assignor.)
 Falke, William, Ithaca, Nebr. Number-displaying device for automobiles. No. 1,083,813; Jan. 6; Gaz. vol. 198; p. 183.
 Falkenberg, Bjarne, assignor to Pacific Electric Heating Company, Ontario, Cal. Submerged electric heater. No. 1,092,523; Apr. 7; Gaz. vol. 201; p. 138.

Alphabetical list of patentees—Continued.

- Falkenberg, Jacob, New York, N. Y. Safety cuff-button shirt. No. 1,100,674; June 16; Gaz. vol. 203; p. 868.
- Falkenstein, Alexander G. (See Pfeiffer, Olah, and Falkenstein.)
- Falkenwalde, Oscar, assignor of one-half to J. G. Neumeister, Baltimore, Md. Match-box. No. 1,109,409; Sept. 1; Gaz. vol. 206; p. 197.
- Falker, Henry W., Ashland, Pa. Game apparatus. No. 1,091,739; Mar. 31; Gaz. vol. 200; p. 1214.
- Falks, James D., Birmingham, Ala. Sanitary dry closet. No. 1,098,029; May 26; Gaz. vol. 202; p. 1108.
- Faller, Ernest A., assignor to Industrial Realization Company, New York, N. Y. Fire-telegraph system and apparatus therefor. No. 1,115,419; Oct. 27; Gaz. vol. 207; p. 1189.
- Falkin, George J., San Jose, Ill. Fruit picker or gatherer. No. 1,085,728; Feb. 3; Gaz. vol. 199; p. 53.
- Falkin, George J., San Jose, Ill. Fruit picker or gatherer. No. 1,105,189; July 28; Gaz. vol. 204; p. 1165.
- Fallon, John P., Philadelphia, Pa. Tightener means for projection and other screens. No. 1,121,081; Dec. 15; Gaz. vol. 209; p. 844.
- Fallows, Edward H. (See Jones, Harry, assignor.)
- Falls Machine Company. (See Joecken, Peter J., assignor.)
- Falter, Frank J., Norwalk, Ohio. Wind-shield. No. 1,083,276; Jan. 6; Gaz. vol. 198; p. 5.
- Faltus, Joseph, assignor of one-half to C. C. Forster, Fall River, Mass. Shuttle-eye. No. 1,086,446; Feb. 10; Gaz. vol. 199; p. 348.
- Falvey, Thomas J., Needham, and R. D. Caldwell, Salem, assignors to Caldwell Manufacturing Company, Boston, Mass. Time and wage computer. No. 1,088,889; Mar. 3; Gaz. vol. 200; p. 74.
- Fancher, Albert N., Faribault, Minn. Door-check. No. 1,122,091; Dec. 22; Gaz. vol. 209; p. 1232.
- Fancher, Charles J., Thompsonville, Conn., assignor to The Extensive Manufacturing Company, New York, N. Y. Feeding mechanism. No. 1,115,916; Nov. 3; Gaz. vol. 208; p. 154.
- Fancher, Otto M., Sacramento, Cal. Brake for linotype machines. No. 1,088,557; Feb. 24; Gaz. vol. 199; p. 1171.
- Fancher, Ward I., Glen Cove, N. Y. Eyeglass and mounting. No. 1,107,598; Aug. 18; Gaz. vol. 205; p. 797.
- Fandrey, Albert J., Indianapolis, Ind. Atmospheric power-generator. No. 1,112,203; Sept. 29; Gaz. vol. 206; p. 1334.
- Fanning, Charles E., assignor to J. G. Sorenson, Davenport, Iowa. Vending-machine. No. 1,087,748; Feb. 17; Gaz. vol. 199; p. 852.
- Fanslow, Benjamin O., New York, N. Y. Type setting and distributing machine. No. 1,118,483; Nov. 24; Gaz. vol. 208; p. 1174.
- Fanslow, Benjamin O., Williamsport, Pa., assignor to Polygraph Duplicating Typewriter Company. Duplicating printing-machine. (Reissue.) No. 13,817; Oct. 27; Gaz. vol. 207; p. 1210.
- Fanslow, Benjamin O., Los Angeles, Cal., assignor, by mesne assignments, to Polygraph Duplicating Typewriter Company. Printing and reproducing machine. No. 1,122,267; Dec. 29; Gaz. vol. 209; p. 1331.
- Fant, Patrick J., Hugo, Okla. Car-truck. No. 1,094,708; Apr. 28; Gaz. vol. 201; p. 1017.
- Fanta, Karl, A. Regal, H. Vietze, and N. Wessely, assignors to Oesterreichische Siemens-Schuckertwerke and Regal Patente-Gesellschaft m. b. H., Vienna, Austria-Hungary. Electric jacquard-machine. No. 1,091,882; Mar. 31; Gaz. vol. 200; p. 1266.
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Bauer, Herre, and Mayer, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Blank and Bergdolt, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Blank and Latten, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Blank, Heidenreich, and Jansen, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Bonhoeffer and Guntrum, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Callsen, Jürgen, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Delbrück and Meisenburg, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Ditmar, Rudolf, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Engelmann and Merkel, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Flachs-laender, Joseph, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Flachs-laender, Grilert, and Buff, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Gottlob, Kurt, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Ham-burger, Alexander, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hansen, Christian, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hefti, Fridolin, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hofmann and Coutelle, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hofmann, Coutelle, Delbrück, and Meisenburg, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Jonas, August, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Jordan and Neelmeier, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Merling, Chrzescinski, and Köhler, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Schoeller and Schrauth, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Schweitzer and Zart, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Taub and Fickewirth, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Unger and Molineus, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Vagt, August, assignor.)
- Färber, Fritz, Dortmund, Germany. Electric conductor. No. 1,108,350; Aug. 25; Gaz. vol. 205; p. 1107.
- Färber, Fritz, Dortmund, Germany. Mine safety-lamp. No. 1,116,048; Nov. 3; Gaz. vol. 208; p. 199.
- Farbwerke vorm. Meister Lucius & Brüning. (See Bertheim and Karrer, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Ehrlich and Bauer, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Ehrlich and Bertheim, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Ehrlich and Karrer, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Ehrlich, Reuter, and Karrer, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Emrich, Heinrich, assignor.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Hahnenkamm, Wilhelm, assignor.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Korn-dörfer and Reuter, assignors.) (Reissue.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Rohmer, Martin, assignor.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Schmidt and Steindorff, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Spiess and Feldt, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Strupler, Albert, assignor.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Uhlenhuth, Rudolf, assignor.)
- Farbe, Frederic C., Nice, France. Valve mechanism for automatic gas lighting and extinguishing apparatus. No. 1,095,390; May 5; Gaz. vol. 202; p. 74.
- Fargeson, Joseph, Chicago, Ill. Mop-wringer. No. 1,110,616; Sept. 15; Gaz. vol. 206; p. 705.
- Fargo, Arthur H., West Newton, Mass. Scraping-machine. No. 1,090,910; Mar. 24; Gaz. vol. 200; p. 888.
- Fargo, Edwin, Wilson, Pa. Colling apparatus. No. 1,099,543; June 9; Gaz. vol. 203; p. 446.
- Fargo, Edwin, Wilson, Pa. Uncoiling apparatus. No. 1,099,695; June 9; Gaz. vol. 203; p. 500.
- Faribault, William R., St. Louis, Mo. Tent. No. 1,095,272; May 5; Gaz. vol. 202; p. 33.
- Faries, Charles L., Phoneton, Ohio. Open-wire-testing instrument. No. 1,084,542; Jan. 13; Gaz. vol. 198; p. 452.
- Faries Manufacturing Co. (See Lucas, Clarence W., assignor.)
- Faries, Royal P., Wichita, Kans. Carbureter for gas and gasoline engines. No. 1,086,359; Feb. 10; Gaz. vol. 199; p. 319.
- Farigoule, Jean, Paris, France. Lace-machine. No. 1,112,996; Oct. 6; Gaz. vol. 207; p. 203.
- Faris, Charles W., Iowa Falls, Iowa. Road-drag. No. 1,102,189; June 30; Gaz. vol. 203; p. 1503.
- Farkas, Karl, Glen Ridge, N. J. Automatic fusion device for making metallic-filament supports. No. 1,104,295; July 21; Gaz. vol. 204; p. 806.
- Farland, Louis J., Au Sable Forks, N. Y. Meat-tenderer. No. 1,106,642; Aug. 11; Gaz. vol. 205; p. 414.
- Farley, Alfred C., Martinsburg, W. Va. Combination shade and curtain bracket. No. 1,106,796; Aug. 11; Gaz. vol. 205; p. 466.
- Farley, Edward E. (See Simmons, Charles H., assignor.)
- Farley, John P., Kansas City, Mo. Backwater cellar-drain. No. 1,088,066; Feb. 24; Gaz. vol. 199; p. 1008.
- Farley, John P., Kansas City, Mo. Compression-faucet. No. 1,106,933; Aug. 11; Gaz. vol. 205; p. 515.
- Farley, John P., Kansas City, Mo. Cuspidor. No. 1,120,919; Dec. 15; Gaz. vol. 209; p. 787.
- Farlow, James N., Oakland, Cal. Folding bed. No. 1,087,285; Feb. 17; Gaz. vol. 199; p. 690.
- Farm Products Distributing Company. (See Subert, Max, assignor.)
- Farmer, Albert M., Detroit, Mich. Pump. No. 1,122,376; Dec. 29; Gaz. vol. 209; p. 1367.
- Farmer, Clyde C., Chicago, Ill., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Twin draft-gear. No. 1,107,275; Aug. 18; Gaz. vol. 205; p. 682.
- Farmer, Ernest H., Upper Holloway, assignor of one-half to Whitehead, Morris & Company, Limited, London, England. Fraud-preventing security-blank. No. 1,114,346; Oct. 20; Gaz. vol. 207; p. 759.

Alphabetical list of patentees—Continued.

- Farmer, Frank, Chicago, Ill., assignor of one-half to R. E. Farmer, New York, N. Y. Lawn-mower. No. 1,122,709; Dec. 29; Gaz. vol. 209; p. 1483.
- Farmer, Fred B., St. Paul, Minn., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Triple-valve device. No. 1,114,741; Oct. 27; Gaz. vol. 207; p. 950.
- Farmer, George A. (See Gibson, Farmer, and Read.)
- Farmer, James, Nottingham, England. Vise. No. 1,096,026; May 12; Gaz. vol. 202; p. 326.
- Farmer, John P., Portland, Oreg. Purifier. No. 1,083,485; Jan. 6; Gaz. vol. 198; p. 76.
- Farmer, Luke W., Somerville, Mass. Paper receptacle. No. 1,088,813; Mar. 3; Gaz. vol. 200; p. 47.
- Farmer, Luke W., Somerville, Mass. Apparatus for forming paper cups. No. 1,107,506; Aug. 18; Gaz. vol. 205; p. 764.
- Farmer, Luke W., Somerville, Mass. Paper spoon. No. 1,114,873; Oct. 27; Gaz. vol. 207; p. 998.
- Farmer, Luke W., Somerville, Mass. Apparatus for coating articles. No. 1,117,174; Nov. 17; Gaz. vol. 208; p. 672.
- Farmer, Robert E. (See Farmer, Frank, assignor.)
- Farmer, Robert Z. (See Hottenstein and Farmer.)
- Farmer, Robert Z., Bisbee, Ariz. Mechanism for converting reciprocating into rotary motion. No. 1,116,810; Nov. 10; Gaz. vol. 208; p. 507.
- Farmer, Robert Z., Bisbee, Ariz. Motor. No. 1,118,117; Nov. 24; Gaz. vol. 208; p. 1045.
- Farmer, Thomas, Jr., New York, assignor to Consolidated Car Heating Company, Albany, N. Y. Electric car-heater. No. 1,101,016; June 23; Gaz. vol. 203; p. 1044.
- Farmer, William, assignor of one-fourth to T. Haskins and one-fourth to F. Stevens, Altavista, Va. Fruit-picker. No. 1,100,965; June 23; Gaz. vol. 203; p. 1027.
- Farmer, William C. (See Bowman, Levi M., assignor.)
- Farmer's Handy Wagon Co. (See Cory, Fred P., assignor.)
- Farmer's Handy Wagon Co. (See Holnagel, William A., assignor.)
- Farnham, Bion B., Kenmore, N. Y. Drying-machine. No. 1,091,051; Mar. 24; Gaz. vol. 200; p. 937.
- Farnham, Bion B., Buffalo, N. Y. Mixing-machine. No. 1,105,555; July 28; Gaz. vol. 204; p. 1295.
- Farnham, Jeremiah N., Rockland, Me. Roofing implement. No. 1,085,030; Jan. 20; Gaz. vol. 198; p. 649.
- Farnham, Jeremiah N., Rockland, Me. Ladder attachment. No. 1,115,420; Oct. 27; Gaz. vol. 207; p. 1189.
- Farnham, Stephen H., A. W. Smith, New York, N. Y., and J. Phelps, Belleville, N. J., assignors to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,096,027; May 12; Gaz. vol. 202; p. 326.
- Farnsworth, Charles H., Briceland, Cal. Set-trigger firearm. No. 1,102,026; June 30; Gaz. vol. 203; p. 1447.
- Farnsworth, Eva O., Minneapolis, Minn. Combination-undergarment. No. 1,121,005; Dec. 15; Gaz. vol. 209; p. 816.
- Farnsworth, Frederick C., Brooklyn, N. Y. Apparatus for handling and delivering water. No. 1,118,644; Nov. 24; Gaz. vol. 208; p. 1229.
- Farnsworth, H. M., *et al.* (See Kirby, James B., assignor.)
- Farnsworth, Hiland R. (See Tucker and Farnsworth.)
- Farnsworth, Willis S., assignor to Coin Controlled Lock Co., San Francisco, Cal. Coin-controlled lock. No. 1,093,175; Apr. 14; Gaz. vol. 201; p. 396.
- Farnsworth, Willis S., assignor to Coin Controlled Lock Company, San Francisco, Cal. Coin-counting device. No. 1,096,419; May 12; Gaz. vol. 202; p. 460.
- Farnsworth, Willis S., assignor to Coin Controlled Lock Co., San Francisco, Cal. Lock for lockers. No. 1,114,244; Oct. 20; Gaz. vol. 207; p. 724.
- Farnsworth, Willis S., assignor to Coin Controlled Lock Co., San Francisco, Cal. Coin-controlled lock. No. 1,120,294; Dec. 8; Gaz. vol. 209; p. 518.
- Farnum, Frederick T., assignor of one-half to J. W. McClearn, Chicago, Ill. Smoke-burning device. No. 1,087,358; Feb. 17; Gaz. vol. 199; p. 714.
- Farnum, Jennie F., New York, N. Y. Button. No. 1,108,431; Aug. 25; Gaz. vol. 205; p. 1134.
- Farnum, William C., Winchendon, assignor to himself, W. F. Parmelee, and W. W. Steeves, Fitchburg, Mass. Carousel or merry-go-round. No. 1,088,558; Feb. 24; Gaz. vol. 199; p. 1172.
- Farnworth, Robert, and T. T. Jackson, Bolton, England. Warp-regulating mechanism for weaving-looms. No. 1,116,400; Nov. 10; Gaz. vol. 208; p. 358.
- Faron, Clifton A., Los Angeles, Cal. Railway. No. 1,090,140; Mar. 17; Gaz. vol. 200; p. 591.
- Farquhar, Harry D., New York, N. Y. Multiplying attachment for cameras. No. 1,103,745; July 14; Gaz. vol. 204; p. 577.
- Farquhar, Henry S., Bryn Mawr, Pa. Contact-shoe device for third-rail systems. No. 1,094,137; Apr. 21; Gaz. vol. 201; p. 758.
- Farquhar, Louis W., St. Louis, Mo. Union garment. No. 1,084,418; Jan. 13; Gaz. vol. 198; p. 413.
- Farquhar, Louis W., St. Louis, Mo. Safety-guard for razors. No. 1,089,753; Mar. 10; Gaz. vol. 200; p. 419.
- Farquhar, Milton J., Wilmington, Ohio. Coal and gas furnace. No. 1,088,559; Feb. 24; Gaz. vol. 199; p. 1172.
- Farquharson, Frank C., *et al.* (See Norris, Arthur, assignor.)
- Farr, Herman G., assignor to Knox Automobile Company, Springfield, Mass. Transmission-gearing. No. 1,087,873; Feb. 17; Gaz. vol. 199; p. 892.
- Farr, Hiram G., Melrose, Mass. Combined steam and compressed-air engine. No. 1,090,523; Mar. 17; Gaz. vol. 200; p. 728.
- Farrand Company, The. (See Leadbeter, Richard A., assignor.)
- Farrand, Dudley, Newark, N. J. Electric heating apparatus. No. 1,122,892; Dec. 29; Gaz. vol. 209; p. 1548.
- Farrar, Frederick W., Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,110,316; Sept. 15; Gaz. vol. 206; p. 598.
- Farrar, Robert L. (See Harden, Harry, assignor.)
- Farrar, Walter T., Louisville, Ky. Handle for tooth-brushes. No. 1,121,082; Dec. 15; Gaz. vol. 209; p. 844.
- Farrel, Robert J. (See O'Donnell, Martin J., assignor.)
- Farrell, Catherine M. (See Farrell, William E., assignor.)
- Farrell, Charles E., East St. Louis, Ill. Adjustable headlight. No. 1,095,095; Apr. 28; Gaz. vol. 201; p. 1149.
- Farrell Company, The. (See Farrell, John J., assignor.)
- Farrell, Jacob, Barronvale, Pa. Nut-lock. No. 1,098,790; June 2; Gaz. vol. 203; p. 147.
- Farrell, John J., Ardmore, Pa., assignor to The Farrell Company, Wilmington, Del. Counting mechanism. No. 1,095,832; May 5; Gaz. vol. 202; p. 224.
- Farrell, John J., Ardmore, Pa., assignor to The Farrell Company, Wilmington, Del. Feeding and cutting device. No. 1,095,961; May 5; Gaz. vol. 202; p. 266.
- Farrell, John J., Ardmore, Pa., assignor to The Farrell Company, Wilmington, Del. Machine for assorting and counting coins. No. 1,095,981; May 5; Gaz. vol. 202; p. 273.
- Farrell, Robert J. (See Duggan, Christopher J., assignor.)
- Farrell, Thomas H., New York, N. Y. Burglar-alarm. No. 1,109,329; Sept. 1; Gaz. vol. 206; p. 168.
- Farrell, Thomas J., Nadeau, Kans., assignor to A. Constable, trustee, Elkton, Md. Therapeutic apparatus. No. 1,103,000; July 7; Gaz. vol. 204; p. 269.
- Farrell, William A., *et al.* (See Hlett, William S., assignor.)
- Farrell, William E., Hensley, assignor to C. M. Farrell, Little Rock, Ark. Dry-kiln. No. 1,083,814; Jan. 6; Gaz. vol. 198; p. 183.
- Farren, Robert, and C. T. Clark, Cleveland, Ohio. Electric radiator-heater. No. 1,121,341; Dec. 15; Gaz. vol. 209; p. 933.
- Farrington, Frank H., Roanoke, Ala. Folding crib. No. 1,102,027; June 30; Gaz. vol. 203; p. 1447.
- Farrington, Frederick J., Omaha, Nebr. Knockdown wagon-box. No. 1,089,196; Mar. 3; Gaz. vol. 200; p. 181.
- Farrington, Horace P., Brooklyn, N. Y. Combination-tool. No. 1,107,276; Aug. 18; Gaz. vol. 205; p. 682.
- Farrington Manufacturing Company. (See Brown, Louis E., assignor.)
- Farrington Manufacturing Company. (See Thomas, Adelbert A., assignor.)
- Farro, Joe, Springfield, Ill. Shade-roller fixture. No. 1,084,419; Jan. 13; Gaz. vol. 198; p. 414.
- Farrow, Ernest L., assignor to The Cleveland Wire Spring Company, Cleveland, Ohio. Spring-mattress. No. 1,097,408; May 19; Gaz. vol. 202; p. 845.
- Farrow, Ernest L., assignor to The Cleveland Wire Spring Company, Cleveland, Ohio. Extensible support for bed-mattresses. No. 1,097,586; May 19; Gaz. vol. 202; p. 905.
- Farstad, George, and E. Paulsen, New York, N. Y. Draft-regulator for furnaces. No. 1,118,849; Nov. 24; Gaz. vol. 208; p. 1298.
- Farup, Peder, Trondhiem, Norway. Producing yellow pigments from titaniferous iron ores. No. 1,087,575; Feb. 17; Gaz. vol. 199; p. 791.
- Farwell, Fay O., Dubuque, Iowa. Gear-hobbing machine. No. 1,091,493; Mar. 31; Gaz. vol. 200; p. 1130.
- Fassett, Francis K. (See Hurd, Edward F., assignor.)
- Fassett, Francis K., Dayton, Ohio. Worm-gear. No. 1,113,172; Oct. 6; Gaz. vol. 207; p. 263.
- Fassett, Francis K., Dayton, Ohio, assignor to Evans & Howard Fire Brick Company, St. Louis, Mo. Hollow tile. No. 1,095,147; Apr. 28; Gaz. vol. 201; p. 1166.
- Fassett, Francis K., Dayton, Ohio, assignor to M. H. Filscher, New York, N. Y. Clutch. No. 1,118,518; Nov. 24; Gaz. vol. 208; p. 1185.
- Fassett, James W. (See Wiwi and Fassett.)
- Fassmann, Marshall W., Natchez, Miss. Paper-case. No. 1,093,838; Apr. 21; Gaz. vol. 201; p. 660.
- Fatherree, Melville, Jr., Atlanta, Ga. Door-holder. No. 1,108,894; Sept. 1; Gaz. vol. 206; p. 11.
- Fattinger, Franz, Treibach, Carinthia, assignor to Treibacher Chemische Werke Gesellschaft m. b. H., Treibach, Austria-Hungary. Pyrophoric-ignition miner's safety-lamp. No. 1,109,055; Sept. 1; Gaz. vol. 206; p. 71.
- Faubel, Henry J., and W. Roach, Alliance, Ohio. Metallic tie and fastener. No. 1,100,550; June 16; Gaz. vol. 203; p. 828.

Alphabetical list of patentees—Continued.

- Faubel, Louis J., Ossining, N. Y. Work-clamp. No. 1,101,624; June 30; Gaz. vol. 203; p. 1305.
- Fauber, William H., Chicago, Ill. Hydroplane-boat. No. 1,121,006; Dec. 15; Gaz. vol. 209; p. 817.
- Faucett, William T., Des Moines, Iowa. Advertising device. No. 1,094,709; Apr. 28; Gaz. vol. 201; p. 1017.
- Faugeron, Ernest G., assignor of one-half to Societe Anonyme des Faïenceries de Creil et Montereau, Montereau, France. Apparatus for baking porcelain and similar substances in continuous furnaces with movable hearths. No. 1,103,184; July 14; Gaz. vol. 204; p. 384.
- Faught, Francis A., and C. J. Pilling, assignors to George P. Pilling and Son Company, Philadelphia, Pa. Apparatus for measuring and indicating blood-pressure. No. 1,089,122; Mar. 3; Gaz. vol. 200; p. 154.
- Faul, Edwin L., assignor to William J. Faul Co., New York, N. Y. Candlestick-lubricator. No. 1,097,921; May 26; Gaz. vol. 202; p. 1071.
- Faulds, John, Oak Park, assignor to J. I. Marshall, Chicago, Ill. Bake-oven. No. 1,100,062; June 16; Gaz. vol. 203; p. 660.
- Faulhaber, William, Kenosha, Wis. Window construction. No. 1,119,587; Dec. 1; Gaz. vol. 209; p. 238.
- Faulkner, George W. (See Barron and Faulkner.)
- Faulkner, Isaac H., Dallas, Tex. Fly-catcher. No. 1,087,749; Feb. 17; Gaz. vol. 199; p. 852.
- Faulkner, John H., London, England. Convertible cabinet, case, or the like. No. 1,090,524; Mar. 17; Gaz. vol. 200; p. 728.
- Faulkner, Joseph, *et al.*, executors. (See Goodyear, George W. and E. F.)
- Faulkner, William L., Evesham, Saskatchewan, Canada. Plow. No. 1,091,920; Mar. 31; Gaz. vol. 200; p. 1279.
- Faulkner, William T. A. (See Graham, George, assignor.)
- Faultless Caster Company. (See Noelting, Bernhard H., assignor.)
- Faultless Iron Works, The. (See Ellis, Claud A., assignor.)
- Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
- Fauntleroy, Powell C., U. S. Army. Pocket-filter. No. 1,119,942; Dec. 8; Gaz. vol. 209; p. 394.
- Faupel, Henry F., Raton, N. Mex. Incubator. No. 1,086,811; Feb. 10; Gaz. vol. 199; p. 476.
- Fauqué, Léon, St.-Germain-en-Laye, France, assignor to Société Universelle des Appareils Contrôleurs, Paris, France. Rail-fastening. No. 1,087,004; Feb. 10; Gaz. vol. 199; p. 540.
- Fauquet, Maurice, Pont-Audemer, France. Centrifugal machine for the manufacture of foundry-cores. No. 1,099,740; June 9; Gaz. vol. 203; p. 513.
- Faure, Albert, *et al.*, trustees. (See Healey and Shepard, assignors.)
- Faure, Elie F. G. H., Erie, Pa., assignor to Burke Electric Company. Self-oiling bearing. No. 1,119,815; Dec. 8; Gaz. vol. 209; p. 350.
- Faure, Lawrence F. (See Brussolo, Angelo, assignor.)
- Fausse, Joseph, Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Rebound control for lasting-machines. No. 1,113,764; Oct. 13; Gaz. vol. 207; p. 515.
- Faust, Casper, Oshkosh, Wis. Bolster-stake holder. No. 1,096,028; May 12; Gaz. vol. 202; p. 327.
- Faust, Casper, Oshkosh, Wis. Bridge-gates. No. 1,102,254; July 7; Gaz. vol. 204; p. 11.
- Faust, W. H. (See Rice, Percy F., assignor.)
- Fauteux, Hyacinthe M., Montreal, Quebec, Canada. Shoe. No. 1,117,175; Nov. 17; Gaz. vol. 208; p. 673.
- Favary, Ethelbert, New York, N. Y. Safety device for automobiles. No. 1,087,485; Feb. 17; Gaz. vol. 199; p. 760.
- Favor, Effie J. (See Baird and Favor.)
- Fawcus, Thomas, Pittsburgh, Pa. Shaft-coupling. No. 1,096,162; May 12; Gaz. vol. 202; p. 372.
- Fawcus, Thomas, Pittsburgh, Pa. Gear-cutter. No. 1,096,163; May 12; Gaz. vol. 202; p. 373.
- Fawcus, Thomas, Pittsburgh, Pa. Gear-cutter. No. 1,096,164; May 12; Gaz. vol. 202; p. 373.
- Faxon, Charles E., Lindberg, Wash. Logging-block. No. 1,123,184; Dec. 29; Gaz. vol. 209; p. 1652.
- Fay, Alpheus, Louisville, Ky., assignor to J. H. Buddeke. Aerating clothes-washer. No. 1,114,974; Oct. 27; Gaz. vol. 207; p. 1033.
- Fay, Bernard, Danbury, Conn. Safety block system for railways. No. 1,112,204; Sept. 29; Gaz. vol. 206; p. 1335.
- Fay, John L., St. Louis, Mo. Ground-anchor. No. 1,101,911; June 30; Gaz. vol. 203; p. 1403.
- Fay, John L., St. Louis, Mo. Ground-anchor. No. 1,103,185; July 14; Gaz. vol. 204; p. 384.
- Fay, John L., St. Louis, Mo., and S. B. Way, Milwaukee, Wis. Electric insulator. No. 1,106,797; Aug. 11; Gaz. vol. 205; p. 466.
- Fay, Peter J., Austin, Tex. Automobile-headlight. No. 1,101,912; June 30; Gaz. vol. 203; p. 1404.
- Fay, Robert, Murphysboro, Ill. Switch. No. 1,120,465; Dec. 8; Gaz. vol. 209; p. 579.
- Fay, Thomas J., New York, N. Y. Internal-combustion engine. No. 1,101,913; June 30; Gaz. vol. 203; p. 1404.
- Fay, Thomas J., Brooklyn, N. Y., assignor to The Goby Engine Company. Internal-combustion engine. No. 1,112,530; Oct. 6; Gaz. vol. 207; p. 41.
- Fay, Thomas J., Brooklyn, N. Y., assignor to The Goby Engine Company. Internal-combustion engine. No. 1,112,531; Oct. 6; Gaz. vol. 207; p. 42.
- Fayer, Charles F., assignor to Wappler Electric Manufacturing Company, New York, N. Y. Timing device for X-ray tubes and similar apparatus. No. 1,100,063; June 16; Gaz. vol. 203; p. 661.
- Fayette, George B. (See Bullock and Fayette.)
- Fayssoux, Harris A., Vaughan, N. C. Car-stake. No. 1,092,032; Mar. 31; Gaz. vol. 200; p. 1313.
- Fazi, Romolo de, Rome, Italy. Motor-spirit. No. 1,108,351; Aug. 25; Gaz. vol. 205; p. 1107.
- Feagan, Leslie, Malta Bend, Mo. Engine-hood fastener. No. 1,113,320; Oct. 13; Gaz. vol. 207; p. 359.
- Fealy, Lawrence A., Birmingham, Ala. Lock. No. 1,087,750; Feb. 17; Gaz. vol. 199; p. 852.
- Fearon, James J., assignor of one-half to C. J. Fox, Philadelphia, Pa. Dyeing. No. 1,113,765; Oct. 13; Gaz. vol. 207; p. 516.
- Feaster, Edward B., Columbus, Nebr., assignor to Byron Chandler, New York, N. Y. Apparatus for unwinding motion-picture films. No. 1,116,580; Nov. 10; Gaz. vol. 208; p. 425.
- Feaster, John C., Skedee, Okla. End-gate for lumber-wagons. No. 1,104,645; July 21; Gaz. vol. 204; p. 928.
- Feaster, Luther T., Fairmont, W. Va. Adjustable finger-piece eyeglass-holder. No. 1,105,641; Aug. 4; Gaz. vol. 205; p. 20.
- Featherstone, Willard B., Washington, D. C. Building construction. No. 1,109,214; Sept. 1; Gaz. vol. 206; p. 127.
- Featherstone, Willard B., Washington, D. C., assignor to A. C. Brown, trustee, Kansas City, Mo. Acoustic apparatus. No. 1,123,185; Dec. 29; Gaz. vol. 209; p. 1652.
- Febiger, Henry B., assignor of one-eighth to C. C. Diboll and three-eighths to J. C. Febiger, Jr., New Orleans, La. Automatic shotgun. No. 1,096,615; May 12; Gaz. vol. 202; p. 526.
- Febiger, John C., Jr., *et al.* (See Febiger, Henry B., assignor.)
- Fechner, Albert H., Goliad, Tex. Shade-adjuster. No. 1,100,655; June 16; Gaz. vol. 203; p. 862.
- Fechner, Albert H., Goliad, Tex. Feed-trough. No. 1,118,850; Nov. 24; Gaz. vol. 208; p. 1298.
- Fechtig, Frederick H., Wilmington, N. C. Method of and apparatus for annealing metals. No. 1,110,122; Sept. 8; Gaz. vol. 206; p. 491.
- Feczko, George, Braddock, Pa. Wire-drawing machine. No. 1,095,320; May 5; Gaz. vol. 202; p. 50.
- Fedders, John M., assignor, by mesne assignments, to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Metal-bending machine. No. 1,122,092; Dec. 22; Gaz. vol. 209; p. 1232.
- Fedders Manufacturing Company. (See Fedders, John M., assignor.)
- Fedderson, Adolf, Murdo, S. D. Animal-releasing device. No. 1,120,295; Dec. 8; Gaz. vol. 209; p. 518.
- Fedderson, Henry M., Petaluma, Cal. Egg-cleaning machine. No. 1,087,005; Feb. 10; Gaz. vol. 199; p. 541.
- Federal Cement Tile Company. (See Baumgartl, Leroy, assignor.)
- Federal Cement Tile Company. (See Freund, Ignatz H., assignor.)
- Federal Construction Company. (See Strickler, William H., assignor.)
- Federal-Huber Company. (See Graham, William S., assignor.)
- Federal Metallic Packing Company. (See Staples, Willard G., assignor.)
- Federal Sign System (Electric). (See Gilchrist and Kell, assignors.)
- Federal Signal Company. (See Reichard, Wade H., assignor.)
- Federspiel, Matthew N., Milwaukee, Wis., assignor to Blue Island Specialty Company, Blue Island, Ill. Orthodontia-pliers. No. 1,108,493; Aug. 25; Gaz. vol. 205; p. 1157.
- Fedorcio, Stanislaw, assignor of one-half to A. Tytlan-chuk, Blue Jay, W. Va. Combination ladder and ironing-board. No. 1,114,742; Oct. 27; Gaz. vol. 207; p. 950.
- Fedrick, Samuel B., Ruby, Tex. Rail-joint. No. 1,112,776; Oct. 6; Gaz. vol. 207; p. 128.
- Feeley, Frank G. (See Hawkins and Feeley.)
- Feeley, Frank G., Chicago, Ill., assignor to M. D. Knowlton Company, Rochester, N. Y. Machine for operating upon paper-board. No. 1,122,268; Dec. 29; Gaz. vol. 209; p. 1332.
- Feeney, Martin, St. Paul, Minn. Rail-loader. No. 1,083,390; Jan. 6; Gaz. vol. 198; p. 44.
- Feeny, Edmund J., assignor to The Feeny Manufacturing Company, Muncie, Ind. Vacuum-cleaner. No. 1,084,933; Jan. 20; Gaz. vol. 198; p. 616.
- Feeny, Edmund J., assignor to The Feeny Manufacturing Company, Muncie, Ind. Air-tight closure and clamp therefor. No. 1,089,754; Mar. 10; Gaz. vol. 200; p. 419.

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- Feeny, Edmund J., assignor to The Feeny-Hurd Company, Muncie, Ind. Universal joint. No. 1,096,293; May 12; Gaz. vol. 202; p. 418.
- Feeny-Hurd Company, The. (See Feeny, Edmund J., assignor.)
- Feeny Manufacturing Company, The. (See Feeny, Edmund J., assignor.)
- Feeny, William S., assignor to Knox Manufacturing Company, Philadelphia, Pa. Hose-clamp. No. 1,116,049; Nov. 3; Gaz. vol. 208; p. 199.
- Fees, Byron B., and E. W. Schneider, Pond Creek, Okla. Druggist's label-case. No. 1,097,409; May 19; Gaz. vol. 202; p. 845.
- Fegley, Thomas J., and G. O. Leopold, assignors to North Bro's M'fg Co., Philadelphia, Pa. Ratchet-drill. No. 1,094,205; Apr. 21; Gaz. vol. 201; p. 782.
- Fegley, Thomas J., and G. O. Leopold, assignors to North Bro's M'fg Co., Philadelphia, Pa. Drill. No. 1,103,746; July 14; Gaz. vol. 204; p. 578.
- Fegley, Thomas J., and G. O. Leopold, assignors to North Bro's M'fg Co., Philadelphia, Pa. Vise. No. 1,120,466; Dec. 8; Gaz. vol. 209; p. 580.
- Fehmer, Joseph, Cologne, Germany. Steam-superheater. No. 1,095,720; May 5; Gaz. vol. 202; p. 187.
- Fehrentz, Peter. (See Winter, Albert, assignor.)
- Feicks, William, Bloomfield, N. J. Coke-oven or gas-furnace. No. 1,098,374; June 2; Gaz. vol. 203; p. 6.
- Feldt, George D., assignor, by mesne assignments, to American Chemical Paint Company, Philadelphia, Pa. Preparing steel for painting. No. 1,109,670; Sept. 8; Gaz. vol. 206; p. 327.
- Feldt, George D., assignor to American Chemical Paint Company, Philadelphia, Pa. Cleaning compound for metals. No. 1,119,781; Dec. 1; Gaz. vol. 209; p. 301.
- Feig, Max W. and U. A., Bad Elster, Germany. Arrangement of nettings for reclining and sitting furniture. No. 1,120,187; Dec. 8; Gaz. vol. 209; p. 480.
- Feig, Ulrich A. (See Feig, Max W. and U. A.)
- Feige, Sterling E., Akron, Ohio. Pneumatic tire. No. 1,086,447; Feb. 10; Gaz. vol. 199; p. 348.
- Feilbach, Arthur O., North Milwaukee, assignor to Feilbach Motor Company, Milwaukee, Wis. Seat-support for motor-cycles. No. 1,102,255; July 7; Gaz. vol. 204; p. 11.
- Feilbach Motor Company. (See Feilbach, Arthur O., assignor.)
- Feild, Claude, *et al.* (See Young, Charles M., assignor.)
- Felt, John N., Beatrice, Nebr. Oil-can. No. 1,122,710; Dec. 29; Gaz. vol. 209; p. 1484.
- Fekete, John. (See Koletar and Fekete.)
- Fekette, John, Elizabeth, N. J. Lock. No. 1,090,700; Mar. 17; Gaz. vol. 200; p. 786.
- Felbel, Jacob, New York, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,083,526; Jan. 6; Gaz. vol. 198; p. 88.
- Felbel, Jacob, New York, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,115,292; Oct. 27; Gaz. vol. 207; p. 1146.
- Felch, Theodore K., Newark, assignor of one-half to N. F. McKeon, Paterson, N. J. Fountain-pen. No. 1,088,691; Mar. 3; Gaz. vol. 200; p. 7.
- Feld, Louis, Philadelphia, Pa. Gas-heated iron. No. 1,117,017; Nov. 10; Gaz. vol. 208; p. 579.
- Feld, Samuel, Far Rockaway, N. Y. Garment-weight. No. 1,085,897; Feb. 3; Gaz. vol. 199; p. 113.
- Feld, Walther, deceased, Linz, Germany; E. Markel, London, England, administrator. Apparatus for bringing liquids and gases or vapors into contact with each other. No. 1,110,914; Sept. 15; Gaz. vol. 206; p. 811.
- Feldheim, Richard, Barmen, Germany. Woven skirt-holder. No. 1,100,868; June 23; Gaz. vol. 203; p. 991.
- Feldkamp, Frederick A., Newark, N. J., assignor to Electrolytic Products Company. Radiator and radiator-sections for automobiles, motor-cars, and the like. No. 1,108,494; Aug. 25; Gaz. vol. 205; p. 1158.
- Feldkamp, Frederick A., Union, N. J., assignor to Electrolytic Products Company. Radiator and radiator-sections therefor for automobiles and the like. No. 1,108,495; Aug. 25; Gaz. vol. 205; p. 1158.
- Feldkamp, Frederick A., Newark, N. J., assignor to Electrolytic Products Co. Radiator. No. 1,113,422; Oct. 13; Gaz. vol. 207; p. 396.
- Feldman, Bernard, Perth Amboy, N. J. Dental forceps. No. 1,183,527; Jan. 6; Gaz. vol. 198; p. 89.
- Feldman, Louis. (See Richardson and Feldman.)
- Feldman, Samuel, Chelsea, Mass. Plug for rubber heels. No. 1,120,802; Dec. 15; Gaz. vol. 209; p. 745.
- Feldmann, Emil. (See Newbauer, Faltine, assignor.)
- Feldmann, Louis, Jr., and T. E. Crecellus, assignors to Multiplex Display Fixture Company, St. Louis, Mo. Display-rack. No. 1,103,136; July 14; Gaz. vol. 204; p. 366.
- Feldmann, Louis, Jr., and T. E. Crecellus, assignors to Multiplex Display Fixture Company, St. Louis, Mo. Wing or leaf for display-racks. No. 1,104,486; July 21; Gaz. vol. 204; p. 873.
- Feldmeier, Harvey, and C. B. Dalzell, assignors to D. H. Burrell & Company, Little Falls, N. Y. Pasteurizing apparatus. No. 1,109,975; Sept. 8; Gaz. vol. 206; p. 437.
- Feldmeyer, William F., assignor to The Aull Brothers Paper and Box Company, Dayton, Ohio. Paper pall. No. 1,103,186; July 14; Gaz. vol. 204; p. 384.
- Feldt, Adolf. (See Spiess and Feldt.)
- Felizat, Louis, assignor to La Société Huilerie et Savonnerie de Lurian, Bouches-du-Rhône, France. Making charcoal. No. 1,087,486; Feb. 17; Gaz. vol. 199; p. 760.
- Fell, Lloyd A., Warren, Ohio. Apparatus for producing vacuums in electric lamps. No. 1,086,759; Feb. 10; Gaz. vol. 199; p. 458.
- Feller, Adolph F., Berkeley, Cal. Air-compressor. No. 1,110,123; Sept. 8; Gaz. vol. 206; p. 491.
- Feller, Adolph F., Berkeley, Cal. Carbureter. No. 1,113,892; Oct. 13; Gaz. vol. 207; p. 560.
- Fellerer, Carl, Freising, Germany. Atomizer. No. 1,083,528; Jan. 6; Gaz. vol. 198; p. 89.
- Fellmeth, Jacob W. (See King and Fellmeth.)
- Fellows, John M., Burlington, Ind. Telescopic fence-post. No. 1,115,293; Oct. 27; Gaz. vol. 207; p. 1146.
- Felmler, John H., assignor to The Progressive Manufacturing Company, Wheeling, W. Va. Wrapping-machine. No. 1,113,423; Oct. 13; Gaz. vol. 207; p. 396.
- Fels, Maurice. (See Steelman, Sawyer, and Fels.)
- Felsberg, Arthur P., Newark, N. J. Heat-regulating device. No. 1,103,574; July 14; Gaz. vol. 204; p. 517.
- Felser, Harry L., *et al.* (See Hale, William H., assignor.)
- Felske, Charles, assignor to Planhard Manufacturing Company, Kokomo, Ind. Carbureter. No. 1,104,975; July 28; Gaz. vol. 204; p. 1092.
- Felsman, Albert J., Macomb, Ill. Corn-planter. No. 1,111,220; Sept. 22; Gaz. vol. 206; p. 959.
- Felsman, Albert J., Macomb, Ill. Land-marker. No. 1,111,221; Sept. 22; Gaz. vol. 206; p. 960.
- Felt, Charles E., Chicago, Ill. Pasteurizing-machine. No. 1,102,486; July 7; Gaz. vol. 204; p. 92.
- Felt, Dorr E., Chicago, Ill. Calculating-machine. No. 1,088,219; Feb. 24; Gaz. vol. 199; p. 1061.
- Felt & Tarrant Manufacturing Company. (See Ziehm, Kurt F., assignor.)
- Felten, Abram V. A., Danbury, Conn. Note-book and copy holder. No. 1,086,906; Feb. 10; Gaz. vol. 199; p. 509.
- Felten, David R., Rosedale, Kans. Airship. No. 1,091,315; Mar. 24; Gaz. vol. 200; p. 1027.
- Feltmann, Adam W., Chicago, Ill. Apparatus for the treatment of hemorrhoids. No. 1,101,017; June 23; Gaz. vol. 203; p. 1045.
- Felty, Godfrey, Cumberland, Md. Motor-vehicle. No. 1,120,188; Dec. 8; Gaz. vol. 209; p. 480.
- Femia, Rocco G., *et al.* (See Hale, William H., assignor.)
- Fenaux, Fernand, assignor to Chantiers et Ateliers Augustin Normand, Le Havre, France. Submarine boat. No. 1,089,543; Mar. 10; Gaz. vol. 200; p. 346.
- Fenby, Edgar B., Coventry, England. Collar, cuff, and like folding machine. No. 1,099,593; June 9; Gaz. vol. 203; p. 463.
- Fenby, Edgar B., Coventry, England. Folding-machine for collar, cuff, and like blanks. No. 1,099,594; June 9; Gaz. vol. 203; p. 464.
- Fenby, Edgar B., Coventry, England. Infolding-machine. No. 1,111,649; Sept. 22; Gaz. vol. 206; p. 1106.
- Fendeis, Charles, New York, N. Y. Resilient tire. No. 1,110,538; Sept. 15; Gaz. vol. 206; p. 676.
- Fender, Edward R., and C. L. Yount, Chattanooga, Okla. Heating-cabinet. No. 1,116,401; Nov. 10; Gaz. vol. 208; p. 359.
- Feneley, Frederick C., Detroit, Mich. Pen. No. 1,094,138; Apr. 21; Gaz. vol. 201; p. 759.
- Fengler, Hermann V., West Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,109,671; Sept. 8; Gaz. vol. 206; p. 328.
- Fenlason, Orin C., Hoquiam, Wash. Collapsible veneer box. No. 1,084,140; Jan. 13; Gaz. vol. 198; p. 323.
- Fenn, William B., assignor to The Wedoit Company, Columbus, Ohio. Treating-chamber for sterilizing-machines. No. 1,109,976; Sept. 8; Gaz. vol. 206; p. 438.
- Fennel, Jacob W., Newburgh, N. Y. Gas and air burning burner. No. 1,097,085; May 19; Gaz. vol. 202; p. 734.
- Fennel, Jacob W., Newburgh, N. Y. Gas and air burning burner. No. 1,097,086; May 19; Gaz. vol. 202; p. 734.
- Fennel, Jacob W., assignor of one-half to H. Fletcher and Sons, Newburgh, N. Y. Combined closet-bowl and flush-tank. No. 1,083,815; Jan. 6; Gaz. vol. 198; p. 183.
- Fennell, Bailey M., Cristobal, Canal Zone, assignor of one-half to J. A. Smith, Bristol, Tenn. Envelop. No. 1,111,690; Sept. 22; Gaz. vol. 206; p. 1122.
- Fennell, William. (See Dawson and Fennell.)
- Fenner, George P., New London, Conn. Printing-press. No. 1,095,833; May 5; Gaz. vol. 202; p. 225.
- Fenner, George P., New London, Conn. Sheet-delivery device for printing-presses. No. 1,099,641; June 9; Gaz. vol. 203; p. 479.

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- Fenner, James R. (See Hanger, James E., Jr., assignor.)
- Fennimore, Watson D., San Francisco, Cal. Eyeglass-mounting. No. 1,121,555; Dec. 15; Gaz. vol. 209; p. 1008.
- Fenno, George B., assignor of one-half to C. Adams, Smithville Flats, N. Y. Reversible calipers. No. 1,109,056; Sept. 1; Gaz. vol. 206; p. 71.
- Fenske, Gustav H., Clark, Mo. Concrete-fence-post mold. No. 1,090,701; Mar. 17; Gaz. vol. 200; p. 786.
- Fensterbusch, Alvin E. (See Crance and Fensterbusch.)
- Fensterwald, Julius B., Baltimore, Md. Overcoat. No. 1,098,665; June 2; Gaz. vol. 203; p. 105.
- Fenton Art Glass Company, The. (See Rosenthal, Clarence V., assignor.)
- Fenton, Herbert W., Buffalo, N. Y. Automatic latch for wind-shields. No. 1,088,016; Feb. 24; Gaz. vol. 199; p. 991.
- Fenton, John W., Millersburg, assignor to S. F. Spencer, Dresden, Ohio. Semaphore-arm. No. 1,114,684; Oct. 20; Gaz. vol. 207; p. 877.
- Fenton, Richard F. (See Ferguson and Fenton.)
- Fenton, Wilbert H. (See Steelman and Fenton.)
- Fenton, William C., assignor of one-half to H. F. Wells, New York, N. Y. Spring suspension mechanism for vehicles and the like. No. 1,109,912; Sept. 8; Gaz. vol. 206; p. 415.
- Feraud, Frank H., Granite City, Ill., assignor to E. S. Briggs, St. Louis, Mo. Advertising device. No. 1,097,922; May 26; Gaz. vol. 202; p. 1071.
- Ferber, Philip, assignor to Keuffel & Esser Company, Hoboken, N. J. Means for adjusting optical instruments. No. 1,118,193; Nov. 24; Gaz. vol. 208; p. 1070.
- Ferciot, Charles E., St. Louis, Mo. Horse-overshoe. No. 1,110,317; Sept. 15; Gaz. vol. 206; p. 598.
- Ferenc, Frank, Kenmare, N. D. Tooth-brush holder. No. 1,086,659; Feb. 10; Gaz. vol. 199; p. 422.
- Ferguson, Arthur. (See Hughes, Ferguson, and Lowe.)
- Ferguson, Arthur W., Montgomery, Ala. Cultivator. No. 1,098,563; June 2; Gaz. vol. 203; p. 73.
- Ferguson, Benjamin T., and R. F. Fenton, Standard, La. Sparking plug. No. 1,103,187; July 14; Gaz. vol. 204; p. 385.
- Ferguson, Charles H., Jersey City, N. J. Manure-catcher. No. 1,099,030; June 2; Gaz. vol. 203; p. 226.
- Ferguson, Charles W., Bower, W. Va. Conductor-wire-reeling mechanism for telephones. No. 1,116,402; Nov. 10; Gaz. vol. 208; p. 359.
- Ferguson, Clara L. K., Philadelphia, Pa. Flexible dress-overshoe. No. 1,095,834; May 5; Gaz. vol. 202; p. 225.
- Ferguson, Clarence E., Rosendale, Mo. Spring-hub for autos. No. 1,114,347; Oct. 20; Gaz. vol. 207; p. 759.
- Ferguson, Donald M., Detroit, Mich. Gearing. No. 1,097,217; May 19; Gaz. vol. 202; p. 780.
- Ferguson, Francis W., Louisville, Ky. Chimney-top. No. 1,091,883; Mar. 31; Gaz. vol. 200; p. 1266.
- Ferguson, George H. (See Gibson and Ferguson.)
- Ferguson, Herman B., Pittsburgh, Pa. Apparatus for ironing garments. No. 1,123,186; Dec. 29; Gaz. vol. 209; p. 1652.
- Ferguson, James P. (See Leas and Ferguson.)
- Ferguson, John H., Indianapolis, Ind. Fender. No. 1,085,558; Jan. 27; Gaz. vol. 198; p. 863.
- Ferguson, Leonard L., assignor to Duntley Pneumatic Sweeper Company, Chicago, Ill. Cleaning device. No. 1,099,243; June 9; Gaz. vol. 203; p. 343.
- Ferguson, Leonard L., assignor to Duntley Pneumatic Sweeper Company, Chicago, Ill. Cleaning device. No. 1,099,350; June 9; Gaz. vol. 203; p. 381.
- Ferguson, Leonard L., assignor to Duntley Pneumatic Sweeper Company, Chicago, Ill. Cleaning device. No. 1,099,544; June 9; Gaz. vol. 203; p. 446.
- Ferguson, Leonard L., assignor to J. W. Duntley, Chicago, Ill. Pneumatic cleaner. No. 1,104,882; July 28; Gaz. vol. 204; p. 1060.
- Ferguson, Leonard L., assignor to Duntley Pneumatic Sweeper Company, Chicago, Ill. Cleaning device. No. 1,104,976; July 28; Gaz. vol. 204; p. 1092.
- Ferguson, Leonard L., assignor to Duntley Pneumatic Sweeper Company, Chicago, Ill. Carpet-sweeper. No. 1,104,977; July 28; Gaz. vol. 204; p. 1093.
- Ferguson, Leonard L., assignor to J. W. Duntley, Chicago, Ill. Filter for pneumatic carpet-cleaners. No. 1,108,094; Aug. 18; Gaz. vol. 205; p. 970.
- Ferguson, Lewis R., Harvey, Ill. Honey-uncapping machine. No. 1,084,141; Jan. 13; Gaz. vol. 198; p. 323.
- Ferguson, Lyman H., Buffalo, assignor of one-third to W. Smith, Enfield, N. Y. Tire. No. 1,091,316; Mar. 24; Gaz. vol. 200; p. 1027.
- Ferguson, Lyman H., Ithaca, assignor of one-third to W. Smith, Enfield, N. Y. Tire. No. 1,092,119; Mar. 31; Gaz. vol. 200; p. 1344.
- Ferguson, Meade, Richmond, Va. Hat-pin-point protector. No. 1,098,791; June 2; Gaz. vol. 203; p. 147.
- Ferguson, Milford B., New York, N. Y., assignor, by mesne assignments, of one-half to Package Machinery Company. Paper-feeding apparatus. No. 1,092,437; Apr. 7; Gaz. vol. 201; p. 109.
- Ferguson, Robert G., Lakewood, N. J. Flush-tank valve. No. 1,087,227; Feb. 17; Gaz. vol. 199; p. 670.
- Ferguson, Robert G., Lakewood, N. J. Combination vacuum ventilating-exhaust. No. 1,087,228; Feb. 17; Gaz. vol. 199; p. 671.
- Ferguson, Samuel, Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. No. 1,102,733; July 7; Gaz. vol. 204; p. 178.
- Ferguson, Samuel, Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. No. 1,103,018; July 7; Gaz. vol. 204; p. 276.
- Ferguson, Thomas B., New York, N. Y. Liquid-fuel burner. No. 1,086,519; Feb. 10; Gaz. vol. 199; p. 373.
- Ferguson, Thomas B., New York, N. Y. Liquid-fuel burner. No. 1,111,448; Sept. 22; Gaz. vol. 206; p. 1036.
- Ferguson, Thomas B., New York, N. Y. Liquid-fuel burner. No. 1,111,449; Sept. 22; Gaz. vol. 206; p. 1036.
- Ferguson, Walton, Jr., Stamford, Conn., and A. W. Buel, New York, N. Y. Composite rail. No. 1,090,466; Mar. 17; Gaz. vol. 200; p. 707.
- Ferguson, Ward S., assignor to McCurdy-Ferguson Company, Los Angeles, Cal. Fixture-hanger. No. 1,093,556; Apr. 14; Gaz. vol. 201; p. 520.
- Ferguson, William S., assignor to J. D. Carey, Cleveland, Ohio. Reinforced-concrete dock or pier. No. 1,089,405; Mar. 10; Gaz. vol. 200; p. 296.
- Fergusson, Phil and R., Davenport, Iowa. Vending-machine. No. 1,115,421; Oct. 27; Gaz. vol. 207; p. 1189.
- Fergusson, Robert. (See Fergusson, Phil and R.)
- Fernald, Charles F., Boston, Mass. Shock-absorber. No. 1,090,292; Mar. 17; Gaz. vol. 200; p. 646.
- Fernald, Frank E., Milton, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Apparatus for use in the manufacture of boots and shoes. No. 1,094,546; Apr. 28; Gaz. vol. 201; p. 956.
- Fernald, George W., Waltham, assignor to L. K. Eddy, Boston, Mass. Self-locking hinge. No. 1,087,576; Feb. 17; Gaz. vol. 199; p. 791.
- Fernandez, Alphonse, Mobile, Ala. Street and station indicator for cars. No. 1,089,197; Mar. 3; Gaz. vol. 200; p. 182.
- Fernández, Angel, Habana, Cuba. Steam-boiler. No. 1,105,896; Aug. 4; Gaz. vol. 205; p. 107.
- Ferne, Wilhelm S., Pittsfield, Mass. Automatic type-writer-operating mechanism. No. 1,115,294; Oct. 27; Gaz. vol. 207; p. 1146.
- Fernholtz, Emil, Los Angeles, Cal., assignor to The National Briquetting and Clay Working Machinery Company, Phoenix, Ariz. Briquet-mold. No. 1,107,663; Aug. 18; Gaz. vol. 205; p. 821.
- Fernholz, Ernst. (See Michaelis and Fernholz.)
- Fernie, William J., and G. Michot, Newark-upon-Trent, England. Scutching flax or other fibrous materials. No. 1,095,495; May 5; Gaz. vol. 202; p. 111.
- Fernock, Joseph F., and R. L. Baker, assignors to U. S. Steel Tank & Pipe Company, Chicago, Ill. Centrifugal separator for dust-collecting systems. No. 1,116,403; Nov. 10; Gaz. vol. 208; p. 359.
- Ferrall, John J., and E. Mackay, New York, N. Y., assignors to National Biscuit Company. Storage and display receptacle. No. 1,090,117; Mar. 10; Gaz. vol. 200; p. 543.
- Ferrand, Alphonse F. E. (See Anvert and Ferrand.)
- Ferranti, Sebastian Z. de, Grindleford, England. Gyrostat. No. 1,112,997; Oct. 6; Gaz. vol. 207; p. 203.
- Ferranti, Sebastian Z. de, Grindleford Bridge, England. Thrust-bearing. No. 1,121,083; Dec. 15; Gaz. vol. 209; p. 844.
- Ferraris, Anthony, Bridgeport, Conn. Protractor. No. 1,087,751; Feb. 17; Gaz. vol. 199; p. 852.
- Ferre, Charles E., Gunnison, Utah. Water-gate. No. 1,092,343; Apr. 7; Gaz. vol. 201; p. 76.
- Ferrel, Franklin P. (See Ferrel, Ziba A. and F. P.)
- Ferrel, Ziba A. and F. P., Los Angeles, Cal. Acetylene-gas generator. No. 1,116,404; Nov. 10; Gaz. vol. 208; p. 360.
- Ferrell, Arthur H., Appleton, Minn. Stapling-machine. No. 1,122,093; Dec. 22; Gaz. vol. 209; p. 1233.
- Ferrell, Fred C. (See Paris and Ferrell.)
- Ferrell, Fredrick C. (See Kerner and Ferrell.)
- Ferres, Jeffrey T., Los Angeles, Cal. Slitting and scoring machine. No. 1,091,204; Mar. 24; Gaz. vol. 200; p. 991.
- Ferres, Jeffrey T., Los Angeles, Cal. Internal-combustion engine. No. 1,095,565; May 5; Gaz. vol. 202; p. 134.
- Ferres, Jeffrey T., Los Angeles, Cal. Machine for making corrugated paper. No. 1,100,065; June 16; Gaz. vol. 203; p. 661.
- Ferres, Jeffrey T., Los Angeles, Cal. Machine for making corrugated paper. No. 1,106,502; Aug. 11; Gaz. vol. 205; p. 364.
- Ferres, Jeffrey T., Los Angeles, Cal. Machine for making package-wrappers. No. 1,121,817; Dec. 22; Gaz. vol. 209; p. 1135.
- Ferres, Jeffrey T., Los Angeles, Cal., assignor to The Sefton Manufacturing Company, Anderson, Ind. Double-faced corrugated paper-board and making the same. No. 1,100,064; June 16; Gaz. vol. 203; p. 661.
- Ferres, Jeffrey T., Los Angeles, Cal., assignor to The Sefton Manufacturing Company, Anderson, Ind. Corrugated paper. No. 1,119,146; Dec. 1; Gaz. vol. 209; p. 86.

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- Ferris, Fred H., New York, N. Y. Vending-machine. No. 1,122,094; Dec. 22; Gaz. vol. 209; p. 1233.
- Ferris, Harry H., Huntington Beach, Cal. Combination-jack. No. 1,083,816; Jan. 6; Gaz. vol. 198; p. 183.
- Ferris, Harry H., Huntington Beach, Cal. Switch-padlock. No. 1,112,279; Sept. 29; Gaz. vol. 206; p. 1361.
- Ferris, Harry H., Huntington Beach, Cal. Tie-plate. No. 1,117,651; Nov. 17; Gaz. vol. 208; p. 842.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Stanchion. No. 1,083,605; Jan. 6; Gaz. vol. 198; p. 115.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Stall-side construction. No. 1,086,812; Feb. 10; Gaz. vol. 199; p. 476.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Manger. No. 1,095,148; Apr. 28; Gaz. vol. 201; p. 1167.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Stall construction. No. 1,101,169; June 23; Gaz. vol. 203; p. 1097.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Hay-carrier. No. 1,101,170; June 23; Gaz. vol. 203; p. 1097.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Barn-door track. No. 1,104,353; July 21; Gaz. vol. 204; p. 827.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Stall construction. No. 1,118,754; Nov. 24; Gaz. vol. 208; p. 1266.
- Ferris, Henry L. and H. J., assignors to Hunt, Helm, Ferris & Company, Harvard, Ill. Manger. No. 1,121,176; Dec. 15; Gaz. vol. 209; p. 878.
- Ferris, Howard J. (See Ferris, Henry L. and H. J.)
- Ferris, Howard J., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Partition for feed-troughs. No. 1,084,934; Jan. 20; Gaz. vol. 198; p. 617.
- Ferris, Howard J., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Stanchion. No. 1,122,711; Dec. 29; Gaz. vol. 209; p. 1484.
- Ferris, James A. (See Shirley, Henry R., assignor.)
- Ferris, James S., Waxahachie, Tex. Moldboard. No. 1,033,606; Jan. 6; Gaz. vol. 198; p. 115.
- Ferris & Leith, trustees. (See Lloyd, Marshall B., assignor.)
- Ferris, Walter, South Milwaukee, Wis., and L. Wehner, Evansville, Ind., assignors to Bucyrus Company, South Milwaukee, Wis. Dumping mechanism for drag-line excavators. No. 1,099,642; June 9; Gaz. vol. 203; p. 480.
- Ferris, Willard R., Perrington, Mich. Railway-tie and rail-fastener. No. 1,112,368; Sept. 29; Gaz. vol. 206; p. 1392.
- Ferris, William D. (See O'Brien and Ferris.)
- Ferris, William P. (See Noetzel and Ferris.)
- Ferris, William S., *et al.*, trustees. (See Adams, Arthur J., assignor.)
- Ferris, William S., *et al.*, trustees. (See Beier, Frank J., assignor.)
- Ferris, William S., *et al.*, trustees. (See McGill, Albert E., assignor.)
- Ferris, William S., *et al.*, trustees. (See McGill and Beier, assignors.)
- Ferro Concrete Construction Company, The. (See Anderson, Robert, assignor.)
- Ferro Concrete Construction Company, The. (See Anderson, William P., assignor.)
- Ferro Machine and Foundry Company. (See Weber, Albert, assignor.)
- Ferrochem Company, The. (See Bailey, Gilbert E., assignor.)
- Ferrochem Company, The. (See Bailey and Hatch, assignors.)
- Ferry, John C., Sydney, New South Wales, Australia. Hippocket for men's trousers. No. 1,108,352; Aug. 25; Gaz. vol. 205; p. 1107.
- Ferry, Louis, U. Moscariello, and R. Amodio, Derby, Conn. Life-saving steamer-chair. No. 1,090,525; Mar. 17; Gaz. vol. 200; p. 729.
- Ferry, Thomas, Cleveland, Ohio. Making taper pins. No. 1,110,762; Sept. 15; Gaz. vol. 206; p. 756.
- Fesenbek, Frederick C., Philadelphia, Pa., assignor, by mesne assignments, to H. Small and A. H. Boyd, receivers of Keller Manufacturing Company. Rotary pneumatic pump. No. 1,091,821; Mar. 31; Gaz. vol. 200; p. 1244.
- Fessler, Milton A., Oakland, Cal. Means for regulating centrifugal oil-burners. No. 1,117,652; Nov. 17; Gaz. vol. 208; p. 842.
- Fessler, Milton A., assignor to Fess System Co., San Francisco, Cal. Centrifugal oil-burner. No. 1,113,108; Oct. 6; Gaz. vol. 207; p. 240.
- Fess System Co. (See Fessler, Milton A., assignor.)
- Fessenden, Reginald A., Brant Rock, Mass. System of storing power. No. 1,112,441; Oct. 6; Gaz. vol. 207; p. 9.
- Fessenden, Reginald A., Brookline, Mass. Storage and care of wheeled vehicles. No. 1,114,975; Oct. 27; Gaz. vol. 207; p. 1033.
- Fessenden, Reginald A., Washington, D. C. Agricultural engineering. No. 1,121,722; Dec. 22; Gaz. vol. 209; p. 1102.
- Fessenden, Reginald A., Brookline, Mass., assignor to Submarine Signal Company, Waterville, Me. Signaling by sound and other longitudinal elastic impulses. No. 1,108,895; Sept. 1; Gaz. vol. 206; p. 11.
- Fessenden, Reginald A., Brant Rock, Mass., assignor, by mesne assignments, to S. M. Kintner, Pittsburgh, Pa., and H. M. Barrett, Bloomfield, N. J., receivers. Apparatus for electric signaling. No. 1,101,914; June 30; Gaz. vol. 203; p. 1404.
- Fessenden, Reginald A., Brant Rock, Mass., assignor, by mesne assignments, to S. M. Kintner, Pittsburgh, Pa., and H. M. Barrett, Bloomfield, N. J., receivers. Wireless signaling. No. 1,101,915; June 30; Gaz. vol. 203; p. 1405.
- Fetrow, William G., and E. Eberly, Mechanicsburg, Pa. Sheaf hoist and chute. No. 1,114,454; Oct. 20; Gaz. vol. 207; p. 799.
- Fettters, Henry M., Laporte, Ind. Appliance for cleaning tarnished metals. No. 1,092,985; Apr. 14; Gaz. vol. 201; p. 330.
- Fetzer, Harvey L., Chicago, Ill. Awning. No. 1,117,362; Nov. 17; Gaz. vol. 208; p. 740.
- Feuerstein, Samuel, Chicago, Ill. Display-stand. No. 1,096,616; May 12; Gaz. vol. 202; p. 526.
- Feuillette, Emile, assignor to Societe Etablissements E. Feuillette, Boulogne-sur-Seine, France. Drying apparatus. No. 1,108,565; Aug. 25; Gaz. vol. 205; p. 1182.
- Féval, Léon, and J. De la Fresnaye, Paris, France. Treatment of caoutchouc, gutta-percha, and like substances. No. 1,102,487; July 7; Gaz. vol. 204; p. 93.
- Feyk, Anton. (See Dusha, Feyk, and Komancsek.)
- Fibish, Frank J. (See Munkacsy, John, assignor.)
- Fibre Products Company. (See Cook, Everett B., assignor.)
- Fichter, Ludwig, Munich, Germany. Mud-guard for road-wheels. No. 1,095,566; May 5; Gaz. vol. 202; p. 135.
- Ficker, Nicholas T., New York, N. Y. Time-card. No. 1,103,575; July 14; Gaz. vol. 204; p. 517.
- Fickes, Edwin S., Pittsburgh, Pa. Precipitating aluminum hydrates. (Reissue.) No. 13,668; Jan. 6; Gaz. vol. 198; p. 209.
- Fickes, John C., Steubenville, Ohio. Detachable shoe for tires. No. 1,122,712; Dec. 29; Gaz. vol. 209; p. 1484.
- Fickett, Mariner S. (See Dyer, Charles P., assignor.)
- Fickewirth, Georg. (See Taub and Fickewirth.)
- Fickinger, Emil H., *et al.* (See Pelletier, Louis F., assignor.)
- Ficklen, William E., New York, N. Y. Pavement and the like. No. 1,098,433; June 2; Gaz. vol. 203; p. 27.
- Ficklen, William E., New York, N. Y. Street-pavement. No. 1,098,792; June 2; Gaz. vol. 203; p. 147.
- Ficzek, Wiktor, Jersey City, N. J. Trolley-wheel mount. No. 1,094,890; Apr. 28; Gaz. vol. 201; p. 1078.
- Fiddes, Todd & Corry. (See Hansing, Frederick, assignor.)
- Fiddes, Walter J., Tottenham, England. Gas washer or scrubber. No. 1,095,835; May 5; Gaz. vol. 202; p. 226.
- Fidjeland, Terje A., Fastvedt, Iveland, Christianssand, Norway. Adjusting device for telescopes. No. 1,086,037; Feb. 3; Gaz. vol. 199; p. 164.
- Fidjeland, Terje A., Fastvedt, Iveland, Christianssand, Norway. Cross-wire frame for firearm sighting-telescopes. No. 1,088,137; Feb. 24; Gaz. vol. 199; p. 1033.
- Fidler, Robert, and P. Napier, Chicago, Ill. Attachment for vehicles. No. 1,106,445; Aug. 11; Gaz. vol. 205; p. 341.
- Fiedler, Richard, Berlin, Germany. Producing flame on the surface of water. No. 1,087,112; Feb. 17; Gaz. vol. 199; p. 628.
- Fiege, Henry C., Bayfield, Wis. Wagon. No. 1,106,139; Aug. 4; Gaz. vol. 205; p. 194.
- Fiego, Alexander J. R. (See Pratt and Fiego.)
- Field, Ashbel L., Fort Lauderdale, Fla. Container. No. 1,120,296; Dec. 8; Gaz. vol. 209; p. 518.
- Field, Charles P. (See Gould and Field.)
- Field, Elijah H., and W. F. Walker, Suwanee, Ga. Railway angle-bar. No. 1,089,632; Mar. 10; Gaz. vol. 200; p. 376.
- Field, George W., North Branch, N. J. Milk-retarder. No. 1,099,790; June 9; Gaz. vol. 203; p. 530.
- Field, George W., East Milton, assignor to F. & F. Specialty Co., Boston, Mass. Clothes-pin. No. 1,113,109; Oct. 6; Gaz. vol. 207; p. 240.
- Field, James Y., Mound City, Mo. Grain-segregator. No. 1,094,646; Apr. 28; Gaz. vol. 201; p. 993.
- Field, Joseph C., Orange, N. J., assignor to Western Electric Company, New York, N. Y. Signaling-circuit for train-despatching systems. No. 1,101,018; June 23; Gaz. vol. 203; p. 1045.
- Field, Michael B., and D. Renfrew, Glasgow, Scotland. Mariner's compass. No. 1,110,318; Sept. 15; Gaz. vol. 206; p. 599.
- Field, Millard F., Boston, Mass. Detector relief device. No. 1,115,798; Nov. 3; Gaz. vol. 208; p. 111.
- Field, Samuel B. (See Doble and Field.)
- Field, Thomas J., and I. Simley, Black Earth, Wis. Non-skid metal sleigh-runner. No. 1,108,160; Aug. 25; Gaz. vol. 205; p. 1641.

Alphabetical list of patentees—Continued.

- Field, William, Penge, assignor to J. Parkin, London, England. Device for cutting wall-paper. No. 1,108,161; Aug. 25; Gaz. vol. 205; p. 1041.
- Fielding, George T., New York, N. Y. Advertising medium. No. 1,101,422; June 23; Gaz. vol. 203; p. 1183.
- Fielding, George T., New York, N. Y. Illuminating device. No. 1,105,414; July 28; Gaz. vol. 204; p. 1247.
- Fields, Charles E. and E., Stockton, Cal. Air-moistener for carbureters. No. 1,115,917; Nov. 3; Gaz. vol. 208; p. 154.
- Fields Company, The. (See Fields, George R., assignor.)
- Fields, Emil. (See Fields, Charles E. and E.)
- Fields, George R., Terre Haute, Ind., assignor to The Fields Company. Apparatus for making catsup. No. 1,107,161; Aug. 11; Gaz. vol. 205; p. 594.
- Fields, George R., Terre Haute, Ind., assignor to The Fields Company. Cooking catsup and like products. No. 1,113,110; Oct. 6; Gaz. vol. 207; p. 240.
- Fields, John D., Butte, Mont. Electrolytic apparatus. No. 1,104,646; July 21; Gaz. vol. 204; p. 929.
- Fields, John D., Maxville, Mont. Agitator and filter for treating ores. No. 1,107,922; Aug. 18; Gaz. vol. 205; p. 908.
- Fields, John O. and R. L., Zanesville, Ohio. Electric hammer. No. 1,083,817; Jan. 6; Gaz. vol. 198; p. 183.
- Fields, Robert L. (See Fields, John O. and R. L.)
- Fields, William, Trenton, N. J. Lock. No. 1,106,292; Aug. 4; Gaz. vol. 205; p. 243.
- Fienhold, William H., Champaign, Ill. Traction attachment for car-wheels. No. 1,122,377; Dec. 29; Gaz. vol. 209; p. 1367.
- Fierz, Hans E., Basel, Switzerland. Extraction of nickel from mixtures of nickel and other metals. No. 1,103,747; July 14; Gaz. vol. 204; p. 578.
- Flévet, Eugene, Fils, Dunkirk, France. Carding-machine. No. 1,117,989; Nov. 24; Gaz. vol. 208; p. 1000.
- Fife, Robert F., Canton, Ohio. Stack-flashing. No. 1,103,666; July 14; Gaz. vol. 204; p. 552.
- Fifield, Irvin D. (See Fifield, Walter L. and I. D.)
- Fifield, Walter L. and I. D., Augusta, Me. Apparatus for babbitting connecting-rods. No. 1,121,342; Dec. 15; Gaz. vol. 209; p. 934.
- Figallo, Joseph. (See Ardito, Giovanni, assignor.)
- Figg, George E., Montreal, Quebec, Canada. Buckle and band. No. 1,088,890; Mar. 3; Gaz. vol. 200; p. 75.
- Figg, George E., Montreal, Quebec, Canada. Collar-stud. No. 1,098,793; June 2; Gaz. vol. 203; p. 148.
- Fiken, William, St. Louis, Mo. Rail-drain for railway-tracks. No. 1,111,889; Sept. 29; Gaz. vol. 206; p. 1230.
- Filbert, Peter C., Los Angeles, Cal. Mail-catcher. No. 1,120,297; Dec. 8; Gaz. vol. 209; p. 519.
- Filbin, James D. (See Hanna, Filbin, and Amsden.)
- Filer & Stowell Company, The. (See Pelton, George M., assignor.)
- Files, William R., Providence, R. I. Drying-machine. No. 1,109,977; Sept. 8; Gaz. vol. 206; p. 438.
- Filion, Moise, assignor to The Canadian Railway Gate Manufacturing Company, St. Jean Fort-Joli, Quebec, Canada. Cattle-guard. No. 1,110,915; Sept. 15; Gaz. vol. 206; p. 811.
- Filippi, Antoine P., Paris, France. Driving and sustaining surfaces applicable to navigation in air and water. No. 1,103,188; July 14; Gaz. vol. 204; p. 385.
- Filletaz, Edmond, Lyon, France. Starting mechanism for explosion-motors. No. 1,083,929; Jan. 13; Gaz. vol. 198; p. 250.
- Filletaz, Edmond, Neuilly-sur-Seine, France. Starting mechanism for explosion-motors. No. 1,113,424; Oct. 13; Gaz. vol. 207; p. 397.
- Fillingim, Elijah J., Pace, Fla. Vehicle-wheel. No. 1,111,145; Sept. 22; Gaz. vol. 206; p. 933.
- Fillmore, George E. (See Lautz and Fillmore.)
- Fillmore, Harry M., Providence, R. I. Flag-clearer. No. 1,119,147; Dec. 1; Gaz. vol. 209; p. 86.
- Fillmore, Waldo R., and E. Boillot, Kansas City, Mo. Folding bed. No. 1,091,494; Mar. 31; Gaz. vol. 200; p. 1130.
- Fillmore, Waldo R., and E. Boillot, Kansas City, Mo. Compartment-bed. No. 1,091,495; Mar. 31; Gaz. vol. 200; p. 1130.
- Filson, Clinton C., Seattle, Wash. Shirt. No. 1,088,891; Mar. 3; Gaz. vol. 200; p. 75.
- Filstead, Charles D., Los Angeles, assignor of two-thirds to S. B. Hampton, Corona, Cal. Orchard-heater. No. 1,110,539; Sept. 15; Gaz. vol. 206; p. 677.
- Filzer, Christian G., Erie, Pa. Torch. No. 1,105,190; July 28; Gaz. vol. 204; p. 1165.
- Finch, Albert E. (See Kamp and Finch.)
- Finch, Dwight H., Manchester, Iowa. Street-sweeper. No. 1,085,676; Feb. 3; Gaz. vol. 199; p. 34.
- Finch, Horace M., Lookaba, Okla. Cotton-loader. No. 1,091,317; Mar. 24; Gaz. vol. 200; p. 1027.
- Finch, James H., Jr., Quincy, Mass. Gasolene filter or trap. No. 1,094,321; Apr. 21; Gaz. vol. 201; p. 818.
- Finch, James H., Jr., Quincy, Mass. Gasolene-filter. No. 1,095,198; May 5; Gaz. vol. 202; p. 9.
- Finch, Nathan W., Plano, Ill. Draft-equalizer. No. 1,107,277; Aug. 18; Gaz. vol. 205; p. 682.
- Finch, William I. (See Morgan, John H., assignor.)
- Fincke, Oskar. (See Frank and Fincke.)
- Findlay, Gilbert, Berkeley, Cal., and J. Hansen, Bellingham, Wash. File-holder. No. 1,094,549; Apr. 28; Gaz. vol. 201; p. 957.
- Fine Cotton Spinners' and Doublers' Association Limited, The. (See Hamer and Howarth, assignors.)
- Fingerson, Gilbert J., Murdock, Minn. Hog-scalding tank. No. 1,105,128; July 28; Gaz. vol. 204; p. 1144.
- Finigin, Thomas, *et al.* (See Yount, Jesse M., assignor.) (Reissue.)
- Fink, Abraham L., Buffalo, N. Y. Garment. No. 1,106,199; Aug. 4; Gaz. vol. 205; p. 215.
- Fink, Clyde W., Kansas City, Mo. Portable water-tower. No. 1,090,783; Mar. 17; Gaz. vol. 200; p. 812.
- Fink, Colin G., Schenectady, N. Y., assignor to General Electric Company. Reducing metals. No. 1,119,588; Dec. 1; Gaz. vol. 209; p. 238.
- Fink, Edward J., East Radford, Va. Car-replacer. No. 1,095,627; May 5; Gaz. vol. 202; p. 155.
- Fink, Edward J., Sycamore, Ill. Bifocal lens. No. 1,117,990; Nov. 24; Gaz. vol. 208; p. 1000.
- Fink, Jacob W., Shamokin, Pa. Horseshoe. No. 1,099,351; June 9; Gaz. vol. 203; p. 381.
- Fink, John, New York, N. Y. Mechanism for embroidery-stitching. No. 1,095,199; May 5; Gaz. vol. 202; p. 9.
- Fink, John, New York, N. Y. Sewing-machine. No. 1,107,599; Aug. 18; Gaz. vol. 205; p. 797.
- Fink, Walden W., Castlewood, Va. Movable headlight for automobiles. No. 1,110,431; Sept. 15; Gaz. vol. 206; p. 640.
- Finkel, Henry. (See Casto, Charles W., assignor.)
- Finkelman, Louis, and J. Wilhelm, Philadelphia, Pa. Car-fender. No. 1,106,643; Aug. 11; Gaz. vol. 205; p. 414.
- Finkelstein, Abraham R., Brooklyn, N. Y. Automobile-guard. No. 1,104,647; July 21; Gaz. vol. 204; p. 929.
- Finkelstein, Morris F., New York, N. Y. Electric fitting for circuit-wiring. No. 1,103,748; July 14; Gaz. vol. 204; p. 578.
- Finkelstein, Morris F., New York, N. Y. Electrical fitting. No. 1,103,749; July 14; Gaz. vol. 204; p. 579.
- Finkelstein, Simon, Brooklyn, N. Y. Collapsible box. No. 1,101,019; June 23; Gaz. vol. 203; p. 1046.
- Finken, Walter S., Brooklyn, N. Y. Door check and closer. No. 1,121,084; Dec. 15; Gaz. vol. 209; p. 844.
- Finkenbinder, George E., assignor of one-half to A. J. Berkey, Goshen, Ind. Pocket-knife. No. 1,113,893; Oct. 13; Gaz. vol. 207; p. 560.
- Finklea, Samuel M., *et al.* (See Neal, Charles W., assignor.)
- Finlay, Clare L. (See Dawson and Finlay.)
- Finlayson, Alexander W., Detroit, Mich., assignor to F. S. Stoepel and C. D. Doyle, trustees. Heater. No. 1,103,356; July 14; Gaz. vol. 204; p. 441.
- Finley, David G., Grand Island, Nebr. Garment-stretcher. No. 1,101,792; June 30; Gaz. vol. 203; p. 1362.
- Finley, Sam E. (See Schoonmaker, William H., assignor.)
- Finn, Oliver B., Colorado Springs, Colo. Elevator-bucket chain. No. 1,098,564; June 2; Gaz. vol. 203; p. 73.
- Finn, Thomas, assignor to W. B. Paulson, Chicago, Ill. Ratchet-wrench. No. 1,086,907; Feb. 10; Gaz. vol. 199; p. 509.
- Finnegan, John L.; J. Trebing, guardian, Nashville, Tenn. Self-heating soldering-iron. No. 1,090,141; Mar. 17; Gaz. vol. 200; p. 592.
- Finnegan, William T., Detroit, Mich. Check-holder. No. 1,120,467; Dec. 8; Gaz. vol. 209; p. 580.
- Finney, John E., Spokane, Wash. Plier-wrench. No. 1,085,198; Jan. 27; Gaz. vol. 198; p. 743.
- Finocchi, Louis. (See Lalli, John, assignor.)
- Finwall, Nelson J., Ewing, Nebr. Farm-gate. No. 1,101,793; June 30; Gaz. vol. 203; p. 1363.
- Finzer, Charles S., H. F., E. G., and W. D., Sugarcreek, Ohio. Silo construction. No. 1,116,405; Nov. 10; Gaz. vol. 208; p. 360.
- Finzer, Edward G. (See Finzer, Charles S., H. F., E. G., and W. D.)
- Finzer, Homer F. (See Finzer, Charles S., H. F., E. G., and W. D.)
- Finzer, William D. (See Finzer, Charles S., H. F., E. G., and W. D.)
- Florio, Virginia, Turin, Italy. Heat-engine. No. 1,115,524; Nov. 3; Gaz. vol. 208; p. 20.
- Fiorita, Tony R. (See Patton, David W., assignor.)
- Fippard, Arthur J., Hankow, China, and Bournemouth, England. Clutch. No. 1,092,344; Apr. 7; Gaz. vol. 201; p. 76.
- Fire-Proof Furniture and Construction Company. (See Carpenter, Charles U., assignor.)
- Firebaugh, Samuel M., Vici, Okla. Cultivator-shield. No. 1,109,978; Sept. 8; Gaz. vol. 206; p. 438.
- Fireproof Film Company. (See Thornton, John E., assignor.)
- Fireproof Film Company. (See Thornton and Kuhn, assignors.)
- Firestone Tire & Rubber Company. (See Bosworth, Percy B., assignor.)
- Firestone Tire & Rubber Company, The. (See Gibson, Hugo C., assignor.)
- Firestone Tire & Rubber Company, The. (See Greenwald, Lemon, assignor.)
- Firestone Tire & Rubber Company, The. (See Moyer, Fredellia H., assignor.)

Alphabetical list of patentees—Continued.

- Firestone Tire & Rubber Company, The. (See Myers, Carmon A., assignor.)
- Firestone Tire & Rubber Company, The. (See Stevens, William C., assignor.)
- Firestone Tire & Rubber Company, The. (See Witsaman, Clement L., assignor.)
- Firm, Joseph L., Berwyn, assignor to The Goss Printing Press Company, Chicago, Ill. Printing-press. No. 1,086,908; Feb. 10; Gaz. vol. 199; p. 509.
- Firm, Joseph L., Berwyn, assignor to The Goss Printing Press Company, Chicago, Ill. Printing-press. No. 1,100,066; June 16; Gaz. vol. 203; p. 662.
- Firm, Joseph L., Berwyn, assignor to The Goss Printing Press Company, Chicago, Ill. Printing-press. No. 1,108,162; Aug. 25; Gaz. vol. 205; p. 1041.
- Firminbac, Henry. (See Mulloy and Firminbac.)
- Firsching, Joseph A., Utica, N. Y. Cutting, folding, and winding machine. No. 1,088,138; Feb. 24; Gaz. vol. 199; p. 1033.
- Firsching, Joseph A., Utica, N. Y. Base or stand. No. 1,090,702; Mar. 17; Gaz. vol. 200; p. 786.
- Firsching, Joseph A., Utica, N. Y. Fabric-drying apparatus. No. 1,107,162; Aug. 11; Gaz. vol. 205; p. 595.
- First Trust and Savings Bank, trustee. (See Campbell, Wilson L., assignor.)
- First Trust and Savings Bank, trustee. (See Erickson, Charles J., assignor.)
- First Trust and Savings Bank, trustee. (See Erickson, John, assignor.)
- First Trust and Savings Bank, trustee. (See Keith and Erickson, assignors.)
- First Trust and Savings Bank, trustee. (See Martin, Talbot G., assignor.)
- Firth, John. (See Sokolov, Jacob, assignor.)
- Firth, William. (See Smith, Joseph J., assignor.)
- Firth, William, Newton, Mass. Cleaner for brushes of pneumatic mouthpieces. No. 1,122,095; Dec. 22; Gaz. vol. 209; p. 1233.
- Fischedick, Oscar F., and A. W. Krahn, Milwaukee, Wis. Starting mechanism for multicylinder internal-combustion engines. No. 1,086,038; Feb. 3; Gaz. vol. 199; p. 164.
- Fischer, Adalbert, Philadelphia, Pa. Induction draft apparatus. No. 1,089,827; Mar. 10; Gaz. vol. 200; p. 443.
- Fischer, Adalbert, Philadelphia, Pa. Condenser. No. 1,109,745; Sept. 8; Gaz. vol. 206; p. 355.
- Fischer, Adalbert W., assignor to Schutte & Koerting Company, Philadelphia, Pa. Water-spray nozzle. No. 1,118,118; Nov. 24; Gaz. vol. 208; p. 1045.
- Fischer, Adolph, Weimar, Germany. Stamp-affixing device. No. 1,108,729; Aug. 25; Gaz. vol. 205; p. 1238.
- Fischer, Albert T., Cleveland, Ohio. Advertising device. No. 1,090,142; Mar. 17; Gaz. vol. 200; p. 592.
- Fischer, Alex., Kensington, London, England. Flexible joint for the tone-arms of talking-machines. No. 1,097,618; May 26; Gaz. vol. 202; p. 960.
- Fischer, Alexander, Jr., Cincinnati, Ohio. Mop. No. 1,086,660; Feb. 10; Gaz. vol. 199; p. 422.
- Fischer, Anthony, Indianapolis, Ind. Window-sash lock. No. 1,094,647; Apr. 28; Gaz. vol. 201; p. 993.
- Fischer, Bernhard, Dresden, Germany. Grinding apparatus. No. 1,101,171; June 23; Gaz. vol. 203; p. 1097.
- Fischer, Carl, Washington, D. C. Draft-deflector. No. 1,088,139; Feb. 24; Gaz. vol. 199; p. 1034.
- Fischer, Charles A., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Gib and key. No. 1,106,934; Aug. 11; Gaz. vol. 205; p. 516.
- Fischer, Charles H., Cincinnati, Ohio. Electric lamp. No. 1,114,976; Oct. 27; Gaz. vol. 207; p. 1034.
- Fischer, Emil, Berlin, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Salts of high molecular fatty acids containing arsenic and a halogen. No. 1,101,733; June 30; Gaz. vol. 203; p. 1340.
- Fischer, Emil, Berlin, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Iron salts of high molecular fatty acids containing arsenic and a halogen. No. 1,101,734; June 30; Gaz. vol. 203; p. 1340.
- Fischer, Ernst. (See Löw and Fischer.)
- Fischer, Ernst, Charlottenburg, Germany. Extraction of fat from bones, materials suitable for glue manufacture, and like substances. No. 1,114,598; Oct. 20; Gaz. vol. 207; p. 848.
- Fischer, Franz, Charlottenburg, Germany. Process of and apparatus for heating. No. 1,099,595; June 9; Gaz. vol. 203; p. 464.
- Fischer, Frederick P., Chicago, Ill. Couch. No. 1,104,487; July 21; Gaz. vol. 204; p. 873.
- Fischer, George, Mercer Island, Wash. Water-motor. No. 1,083,999; Jan. 13; Gaz. vol. 198; p. 275.
- Fischer, Gustav A., Cleveland, Ohio. Pasteurizing-machine. No. 1,093,924; Apr. 21; Gaz. vol. 201; p. 688.
- Fischer, Henry T. G., Indianapolis, Ind. Trap. No. 1,102,896; July 7; Gaz. vol. 204; p. 234.
- Fischer, John M., De Soto, Mo. Whiffletree-hook. No. 1,112,777; Oct. 6; Gaz. vol. 207; p. 129.
- Fischer, John R., St. Louis, Mo. Closure for vessels. No. 1,122,198; Dec. 22; Gaz. vol. 209; p. 1267.
- Fischer, Karl, Schweinfurt, Germany. Insecticide for plants and making the same. No. 1,085,898; Feb. 3; Gaz. vol. 199; p. 113.
- Fischer, Louis, Philadelphia, Pa., assignor to R. H. Wright, Durham, N. C. Device for introducing charges into receptacles. No. 1,099,791; June 9; Gaz. vol. 203; p. 530.
- Fischer, Martin, Zurich, Switzerland, assignor to Motor and Gear Improvement Co. Changing-gearing for automobiles. No. 1,085,677; Feb. 3; Gaz. vol. 199; p. 35.
- Fischer, Martin, Zurich, Switzerland, assignor to Motor and Gear Improvement Company. Interchangeable wheel of motor-cars. No. 1,099,435; June 9; Gaz. vol. 203; p. 410.
- Fischer, Martin, Zurich, Switzerland, assignor to Fischer Motor Corporation. Combustion-engine. No. 1,103,901; July 14; Gaz. vol. 204; p. 631.
- Fischer, Martin, Zurich, Switzerland, assignor to Fischer Motor Corporation. Making engine-cylinders. No. 1,113,548; Oct. 13; Gaz. vol. 207; p. 441.
- Fischer, Martin, Zurich, Switzerland, assignor to Fischer Motor Corporation. Making engine-cylinders. No. 1,117,653; Nov. 17; Gaz. vol. 208; p. 842.
- Fischer, Martin, Zurich, Switzerland, assignor, by mesne assignments, to J. T. Pratt, New York, N. Y. Interchangeable wheel of motor-cars. No. 1,106,345; Aug. 4; Gaz. vol. 205; p. 261.
- Fischer, Max H. (See Fassett, Francis K., assignor.)
- Fischer, Max H. (See Fischer, Robert, assignor.) (Re-issue.)
- Fischer, Maximilian H., East Orange, N. J. Stylus-holder for graphophones and like instruments. No. 1,120,141; Dec. 8; Gaz. vol. 209; p. 463.
- Fischer Motor Corporation. (See Fischer, Martin, assignor.)
- Fischer and Pruefer. (See Pruefer, Walter H., assignor.)
- Fischer, Pyrama E., New York, N. Y. Rotatable soap-holder. No. 1,107,278; Aug. 18; Gaz. vol. 205; p. 683.
- Fischer, Robert. (See Schütze and Fischer.)
- Fischer, Robert, New York, N. Y., assignor to M. H. Fischer, East Orange, N. J. Clutch for scarf-pins, hat-pins, and the like. No. 1,089,755; Mar. 10; Gaz. vol. 200; p. 419.
- Fischer, Robert, Brooklyn, assignor to M. H. Fischer, New York, N. Y. Scarf-pin holder. (Reissue.) No. 13,740; May 26; Gaz. vol. 202; p. 1230.
- Fischer, Rudolf, Steglitz, near Berlin, Germany. Making colored photographs. No. 1,102,028; June 30; Gaz. vol. 203; p. 1447.
- Fischer, Wenzl R., Bellevue, Pa. Rail-joint. No. 1,107,923; Aug. 18; Gaz. vol. 205; p. 909.
- Fischer, William C., East Hampton, Conn. Mantel. No. 1,102,897; July 7; Gaz. vol. 204; p. 234.
- Fischer, William C., Phoenixville, Conn. Incubator and brooder. No. 1,103,189; July 14; Gaz. vol. 204; p. 385.
- Fischmann, Karl, assignor to W. G. Brokaw, Archdale, N. C. Producing shaving-cream. No. 1,091,052; Mar. 24; Gaz. vol. 200; p. 938.
- Fiscus, Logan T., Apollo, Pa. Foot-gear. No. 1,118,755; Nov. 24; Gaz. vol. 208; p. 1266.
- Fish, Alanson L., Flushing, N. Y. Relay-race starter. No. 1,099,244; June 9; Gaz. vol. 203; p. 343.
- Fish, Arthur J., East Rochester, N. Y. Window-cleaner. No. 1,088,653; Feb. 24; Gaz. vol. 199; p. 1203.
- Fish, Charles E., Waltham, Mass. Hand-vice. No. 1,100,067; June 16; Gaz. vol. 203; p. 662.
- Fish, Ezra B., assignor to The Cameragraph Company, Kansas City, Mo. Photographic copy-holder. No. 1,112,369; Sept. 29; Gaz. vol. 206; p. 1392.
- Fishburne, Edward W., assignor of one-half to O. C. Hockett, Richmond, Va. Ice-pick. No. 1,122,893; Dec. 29; Gaz. vol. 209; p. 1548.
- Fisher, Alfred, Dallas, Tex. Mattress-display rack. No. 1,114,455; Oct. 20; Gaz. vol. 207; p. 800.
- Fisher, Alfred, assignor to Dallas Coffin Co., Dallas, Tex. Disappearing coffin-panel. No. 1,099,436; June 9; Gaz. vol. 203; p. 410.
- Fisher, Alva J., Evanston, assignor to Hurley Machine Company, Chicago, Ill. Safety device for power-wrinders. No. 1,102,331; July 7; Gaz. vol. 204; p. 39.
- Fisher, Alva J., Evanston, assignor to Hurley Machine Company, Chicago, Ill. Gearing. No. 1,115,525; Nov. 3; Gaz. vol. 208; p. 20.
- Fisher, Austin C., assignor to Eastman Kodak Company, Rochester, N. Y. Film developing and drying support. No. 1,089,916; Mar. 10; Gaz. vol. 200; p. 474.
- Fisher, Charles, Oak Park, assignor, by mesne assignments, to The Automatic Recording Safe Company, Chicago, Ill. Savings-bank. No. 1,102,256; July 7; Gaz. vol. 204; p. 12.
- Fisher, Charles C., and H. H. Rountrey, South Norfolk, Va. Air-cooled rabble-arm. No. 1,116,255; Nov. 3; Gaz. vol. 208; p. 268.
- Fisher, Clarence A., Harrisburg, Pa. Pocket-billiard tally. No. 1,122,894; Dec. 29; Gaz. vol. 209; p. 1549.
- Fisher, Clarence G., Rochester, N. Y. Playing-cards. No. 1,100,869; June 23; Gaz. vol. 203; p. 991.
- Fisher Closed Body Co. (See Allmand, John T., assignor.)
- Fisher, Dudley T., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Rock-drill. No. 1,093,120; Apr. 14; Gaz. vol. 201; p. 377.

Alphabetical list of patentees—Continued.

- Fisher, Dudley T., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Cable-reel for haulage mechanism. No. 1,113,974; Oct. 20; Gaz. vol. 207; p. 627.
- Fisher, Dudley T., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Cable-winding mechanism for locomotives. No. 1,113,975; Oct. 20; Gaz. vol. 207; p. 627.
- Fisher, Dudley T., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Railway-brake. No. 1,116,811; Nov. 10; Gaz. vol. 208; p. 508.
- Fisher, Ebenezer, Egg Harbor, N. J. Tool-adjustment for lathes. No. 1,122,713; Dec. 29; Gaz. vol. 209; p. 1485.
- Fisher, Edward G., Washington, D. C. Valve. No. 1,089,756; Mar. 10; Gaz. vol. 200; p. 419.
- Fisher, Edwin M. S. (See Fisher, Harry L. and E. M. S.)
- Fisher, Elmer, Detroit, Mich. Hand-stamp. No. 1,089,198; Mar. 3; Gaz. vol. 200; p. 182.
- Fisher, Emanuel, Providence, assignor of one-half to F. S. Peck, Barrington, R. I. Valve. No. 1,113,976; Oct. 20; Gaz. vol. 207; p. 628.
- Fisher, Emanuel, Jr., assignor of one-half to F. S. Peck, Providence, R. I. Blade for turbines. No. 1,097,752; May 26; Gaz. vol. 202; p. 1009.
- Fisher, Ernest F., Pittsburgh, Pa. Hydrodynamic balance. (Reissue.) No. 13,702; Mar. 24; Gaz. vol. 200; p. 1077.
- Fisher, Francis L., assignor to W. C. Myself, San Francisco, Cal. Election-booth. No. 1,120,298; Dec. 8; Gaz. vol. 209; p. 519.
- Fisher, Frank E., Detroit, Mich. Engine-starter. No. 1,113,156; Oct. 6; Gaz. vol. 207; p. 257.
- Fisher, Frank L. (See Land and Fisher.)
- Fisher, Frederick J., Oakland, Cal. Automatic smudge-pot. No. 1,095,496; May 5; Gaz. vol. 202; p. 111.
- Fisher, Frederick, Marlboro, Mich. Internal-combustion engine. No. 1,102,400; July 7; Gaz. vol. 204; p. 62.
- Fisher, George, Cleveland, Ohio. Refillable fuse-tube. No. 1,086,909; Feb. 10; Gaz. vol. 199; p. 510.
- Fisher, George H., Leavenworth, Kans. Apparatus for producing crystal ice from raw water. No. 1,113,111; Oct. 6; Gaz. vol. 207; p. 241.
- Fisher, George W., and F. Hoyland, Jackson, Mich. Switch-actuating mechanism. No. 1,090,467; Mar. 17; Gaz. vol. 200; p. 708.
- Fisher Governor Company, The. (See Osmer, John E., assignor.)
- Fisher, Harry L., assignor of one-fourth to F. W. Walker, Muscatine, Iowa. Moving-picture machine. No. 1,101,916; June 30; Gaz. vol. 203; p. 1405.
- Fisher, Harry L. and E. M. S., Muscatine, Iowa. Drinking-fountain. No. 1,085,199; Jan. 27; Gaz. vol. 198; p. 743.
- Fisher, Harvey L., Woodstock, assignor to Fisher Manufacturing Company, Chicago, Ill. Type-writing machine. No. 1,107,664; Aug. 18; Gaz. vol. 205; p. 821.
- Fisher, Henry J., and H. Sutton, Birmingham, England. Machine for producing metals or metallic alloys in strip form. No. 1,098,944; June 2; Gaz. vol. 203; p. 200.
- Fisher, Henry L., assignor to Landis Machine Company, Waynesboro, Pa. Solid adjustable die-head. No. 1,117,363; Nov. 17; Gaz. vol. 208; p. 740.
- Fisher, Hermon E., Hopkinton, N. Y. Folding egg-crate. No. 1,106,200; Aug. 4; Gaz. vol. 205; p. 215.
- Fisher, Homer O., Cleveland, Ohio, assignor to Rice and Adams, Buffalo, N. Y. Bottle-filler. No. 1,085,899; Feb. 3; Gaz. vol. 199; p. 113.
- Fisher, James J., Townsend, Mont. Automobile-puller. No. 1,091,318; Mar. 24; Gaz. vol. 200; p. 1027.
- Fisher, Jerome K., Derry, Pa. Shaft and tongue detacher. No. 1,096,231; May 12; Gaz. vol. 202; p. 395.
- Fisher, John H., Washington, D. C. Fastener. No. 1,096,897; May 19; Gaz. vol. 202; p. 666.
- Fisher, John H., Washington, D. C. Fastener. No. 1,096,898; May 19; Gaz. vol. 202; p. 666.
- Fisher, Louis K., *et al.* (See Cartwright, Ernest O., assignor.)
- Fisher Manufacturing Company. (See Fisher, Harvey L., assignor.)
- Fisher, Oakley F., Milwaukee, Wis. Steering-compensator for rowboat-motors. No. 1,091,645; Mar. 31; Gaz. vol. 200; p. 1182.
- Fisher, Robert J., Athens, Tenn., assignor, by mesne assignments, to Elliott-Fisher Company. Type-writing machine. (Reissue.) No. 13,790; Aug. 25; Gaz. vol. 205; p. 1288.
- Fisher, Samuel J., and C. E. J. Jones, Asheville, N. C. Apparatus for disinfecting books. No. 1,122,714; Dec. 29; Gaz. vol. 209; p. 1485.
- Fisher, Seymour, Durgon, W. Va. Horse-twitch. No. 1,096,420; May 12; Gaz. vol. 202; p. 461.
- Fisher, William E., Miller, Nebr. Mail-delivery apparatus. No. 1,090,977; Mar. 24; Gaz. vol. 200; p. 911.
- Fisher, William J., Memphis, Tenn. Check-controlled apparatus. No. 1,103,952; July 21; Gaz. vol. 204; p. 690.
- Fishley, C. W., *et al.* (See Ducro, Lewis, assignor.)
- Fisk, Charles J., and E. Lindbom, Bismarck, N. D. Auto-tire-saving device. No. 1,110,916; Sept. 15; Gaz. vol. 206; p. 811.
- Fisk, James G. (See Beck, Joseph W., assignor.)
- Fisk Rubber Company. (See Cole, John C., assignor.)
- Fisk, William T., Detroit, Mich. Illuminated license-number. No. 1,095,321; May 5; Gaz. vol. 202; p. 50.
- Fitch, Conover, Newton, assignor to Waltham Watch Company, Waltham, Mass. Automobile clock-case. No. 1,112,280; Sept. 29; Gaz. vol. 206; p. 1361.
- Fitch, Ezra C., assignor to Waltham Watch Company, Waltham, Mass. Pocket-watch. No. 1,084,880; Jan. 20; Gaz. vol. 198; p. 599.
- Fitch, Ezra C., assignor to Waltham Watch Company, Waltham, Mass. Crown-guard for bracelet-watches. No. 1,085,857; Feb. 3; Gaz. vol. 199; p. 99.
- Fitch, John F., assignor to R. A. Wittemann, Buffalo, N. Y. Speed-changing-gear mechanism. No. 1,092,438; Apr. 7; Gaz. vol. 201; p. 109.
- Fitch, John H., Ludington, Mich. Motor-vehicle. No. 1,114,245; Oct. 20; Gaz. vol. 207; p. 725.
- Fitch, John T., Helper, Utah. Head-gate. No. 1,083,818; Jan. 6; Gaz. vol. 198; p. 184.
- Fitchburg Bobbin Cleaning Machine Co. (See Lonzo, William, assignor.)
- Fitchet, Charles L., San Jose, Cal. Adjustable mirror. No. 1,106,503; Aug. 11; Gaz. vol. 205; p. 364.
- Fitchett, James G., Brooklyn, N. Y. Collapsible-tube container. No. 1,122,096; Dec. 22; Gaz. vol. 209; p. 1234.
- Fite, Thomas J., and F. P. Jacobs, Hamersville, Ohio. Cultivator. No. 1,084,142; Jan. 13; Gaz. vol. 198; p. 324.
- Fittipaldi, Rafael, Buenos Aires, Argentina. Automatic repeating firearm. No. 1,099,245; June 9; Gaz. vol. 203; p. 343.
- Fitton, John R., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Filling-thread-cutting mechanism for weft-replenishing looms. No. 1,091,205; Mar. 24; Gaz. vol. 200; p. 992.
- Fitts, James L. (See Serrell and Fitts.)
- Fitts, James L., Pensauken township, Camden county, N. J., assignor to Warren Webster & Company. Spray-nozzle. No. 1,089,406; Mar. 10; Gaz. vol. 200; p. 296.
- Fitts, James L., Merchantville, N. J., assignor to Warren Webster & Co. Valve for steam-heating systems or steam-traps. No. 1,096,899; May 19; Gaz. vol. 202; p. 666.
- Fitz, Amos G., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Last. No. 1,110,917; Sept. 15; Gaz. vol. 206; p. 811.
- Fitz, Emanuel, Astoria, Ill. Adjustable gage and marker. No. 1,110,763; Sept. 15; Gaz. vol. 206; p. 756.
- Fitz-Empire Double Pivot Last Company. (See Fitz, Amos G., assignor.)
- Fitz-Empire Double Pivot Last Company. (See Schelter, John C., assignor.)
- Fitzgerald, Augustine F., New York, N. Y. Sanitary closure for receptacles. No. 1,117,823; Nov. 17; Gaz. vol. 208; p. 904.
- Fitzgerald, Harold B., Glenridge, N. J. Starter for talking-machines. No. 1,084,420; Jan. 13; Gaz. vol. 198; p. 414.
- Fitz-Hugh, Carter H., *et al.* (See Greer, Howard, Jr., assignor.)
- Fitzgerald, Austin, East Orange, N. J. Hammer. No. 1,121,085; Dec. 15; Gaz. vol. 209; p. 845.
- Fitzgerald, Daniel P., Newark, N. J. Machine for making link mesh. No. 1,092,251; Apr. 7; Gaz. vol. 201; p. 43.
- Fitzgerald, Edward F., Philadelphia, Pa. Valve. No. 1,093,121; Apr. 14; Gaz. vol. 201; p. 378.
- Fitzgerald, Elizabeth M., administratrix. (See Fitzgerald, Walter S.)
- Fitzgerald, Eurith L., Cambridge, Md. Stretcher. No. 1,102,029; June 30; Gaz. vol. 203; p. 1447.
- Fitzgerald, James J., Eagle, Wis. Road-drag. No. 1,100,821; June 23; Gaz. vol. 203; p. 975.
- Fitzgerald, Jeremiah C., Kilbourn, Wis. Pulley. No. 1,092,098; Mar. 31; Gaz. vol. 200; p. 1337.
- Fitzgerald, Jeremiah C., Kilbourn, assignor to West Bend Barn Equipment Company, West Bend, Wis. Stanchion. No. 1,091,646; Mar. 31; Gaz. vol. 200; p. 1182.
- Fitzgerald, John B. (See Schneider, Benjamin P., assignor.)
- Fitzgerald, John J., Chicago, Ill., assignor to E. M. Keeley and H. C. Wild. Smoking hams, shoulders, and joint-meats in general and the product thereof. No. 1,122,715; Dec. 29; Gaz. vol. 209; p. 1486.
- Fitzgerald, Michael J. (See Brown, Swartout, and Fitzgerald.)
- Fitzgerald, Michael J., *et al.* (See Gilmore, William R., assignor.)
- Fitzgerald, Michael J., Richmond, Cal. Sash-weight. No. 1,085,081; Jan. 20; Gaz. vol. 198; p. 666.
- Fitzgerald, Michael J., Los Angeles, Cal. Fire-escape. No. 1,117,018; Nov. 10; Gaz. vol. 208; p. 580.
- Fitzgerald, Michael J., assignor of one-tenth to C. H. Brown, Richmond, Cal. Nut-lock. No. 1,085,080; Jan. 20; Gaz. vol. 198; p. 666.
- Fitzgerald, Thomas W., Boston, Mass. Indicator for measuring or weighing machines and devices. No. 1,089,336; Mar. 3; Gaz. vol. 200; p. 224.
- Fitzgerald, Walter S., deceased; E. M. Fitzgerald, administratrix, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Skiing-machine. No. 1,098,240; May 26; Gaz. vol. 202; p. 1179.

Alphabetical list of patentees—Continued.

- Fitzgerald, William H. J., Braintree, Mass., assignor to E-Z Rim Company. Demountable wheel. No. 1,110,764; Sept. 15; Gaz. vol. 206; p. 757.
- Fitzgerald, William L., Waynesboro, Miss. Harrow. No. 1,099,290; June 9; Gaz. vol. 203; p. 359.
- Fitzgerald, William P., Princess Anne, Md., assignor of one-third to J. W. Coleburn and one-third to E. B. Coleburn, Cape Charles, Va. Auto-antirattler. No. 1,121,818; Dec. 22; Gaz. vol. 209; p. 1136.
- Fitzloff, Frank A., Spencer, Iowa. Automobile automatic lifting-jack. No. 1,115,295; Oct. 27; Gaz. vol. 207; p. 1146.
- Fitzpatrick, Arthur H. (See Kuhn and Fitzpatrick.)
- Fitzpatrick, Bird, Jr., Pensacola, Fla. Automatic draft-controlling device for engines. No. 1,111,450; Sept. 22; Gaz. vol. 206; p. 1037.
- Fitzpatrick, Edward D., Omaha, Nebr. Mechanical match-lighter. No. 1,089,199; Mar. 3; Gaz. vol. 200; p. 182.
- Fitzpatrick, James F., Auburn, R. I. Envelop-opener. No. 1,099,975; June 16; Gaz. vol. 203; p. 630.
- Fitzpatrick, Michael J., Plattsburg, N. Y. Oil-burner. No. 1,113,894; Oct. 13; Gaz. vol. 207; p. 561.
- Fitzsimmons, James C., San Francisco, Cal. Wood-preservative. No. 1,111,302; Sept. 22; Gaz. vol. 206; p. 987.
- Fitzsimons, Louis E., assignor to The Novelty Manufacturing Company, Waterbury, Conn. Spray-nozzle. No. 1,087,006; Feb. 10; Gaz. vol. 199; p. 541.
- Fitzwater, Marshall V., Stephens, Ark. Water-heater. No. 1,107,507; Aug. 18; Gaz. vol. 205; p. 765.
- Fix, Charles H., Madison, Wis. Hawk. No. 1,095,200; May 5; Gaz. vol. 202; p. 9.
- Fjellman, Bengt W., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Ball-bearing. No. 1,091,822; Mar. 31; Gaz. vol. 200; p. 1244.
- Flachslaender, Joseph, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Green sulfur dye. No. 1,113,766; Oct. 13; Gaz. vol. 207; p. 516.
- Flachslaender, Joseph, K. P. Gräler, Elberfeld, and M. Buff, Vohwinkel, near Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Green sulfur dye. No. 1,093,259; Apr. 14; Gaz. vol. 201; p. 425.
- Flack, Harry L., Dayton, Ohio. Car-wrench. No. 1,093,388; Apr. 14; Gaz. vol. 201; p. 469.
- Flack, Henry E., and J. Lechich, Potsdam, N. Y. Washing apparatus. No. 1,097,410; May 19; Gaz. vol. 202; p. 846.
- Flack, Herbert A., Cherokee, Iowa. Folding box. No. 1,112,442; Oct. 6; Gaz. vol. 207; p. 9.
- Flade, Carolina E. (See Flade, Julia C., assignor.)
- Flade, Julia C., assignor of one-half to C. E. Flade, San Francisco, Cal. Dress-shield. No. 1,095,721; May 5; Gaz. vol. 202; p. 187.
- Flagg, Arthur B., and W. H. Livermore, Worcester, Mass., assignors, by mesne assignments, to Livermore Pay Station Company, Portland, Me. Coin-controlled pay-station for telephones. No. 1,112,370; Sept. 29; Gaz. vol. 206; p. 1393.
- Flagg, Arthur B., and W. H. Livermore, Worcester, assignors to Livermore Pay Station Company, Boston, Mass. Coin-controlled pay-station for telephones. No. 1,113,321; Oct. 13; Gaz. vol. 207; p. 360.
- Flagg, Joseph W., Worcester, Mass. Signaling apparatus for marine vessels. No. 1,117,176; Nov. 17; Gaz. vol. 208; p. 673.
- Flagge, George, assignor, by mesne assignments, to Milwaukee Corrugating Company, Milwaukee, Wis. Conductor-hook. No. 1,109,568; Sept. 1; Gaz. vol. 206; p. 248.
- Flagge, Philipp F., Milwaukee, Wis., assignor, by mesne assignments, to A. L. Lawrence, Cleveland, Ohio. Sheet-metal-jointing machine. No. 1,103,953; July 21; Gaz. vol. 204; p. 690.
- Flagge, Philipp F., assignor to Milwaukee Corrugating Company, Milwaukee, Wis. Machine for making eaves-troughs. No. 1,117,177; Nov. 17; Gaz. vol. 208; p. 673.
- Flagge, Philipp F., Milwaukee, Wis., assignor to Milwaukee Corrugating Company, Greenfield, Wis. Fold-opening machine. No. 1,117,991; Nov. 24; Gaz. vol. 208; p. 1000.
- Flagstad, Oscar. (See Flagstad, Hansen, and Flagstad.)
- Flagstad, Peter C., O. Hansen, and O. Flagstad, St. Paul, assignors, by mesne assignments, to R. G. Cargill and F. W. Pepper, Minneapolis, Minn. Machine for making pastry cones. No. 1,086,448; Feb. 10; Gaz. vol. 199; p. 348.
- Flaherty, Edward, Morea Colliery, and C. Warrilow, Hazleton Heights, Pa. Nut-lock for bearings. No. 1,113,209; Oct. 13; Gaz. vol. 207; p. 319.
- Flaherty, Frederick J., Waltham, Mass. Organ. No. 1,104,648; July 21; Gaz. vol. 204; p. 929.
- Flaherty, Michael H., Girardville, Pa. Envelop and fastener therefor. No. 1,109,410; Sept. 1; Gaz. vol. 206; p. 197.
- Flanagan, Edward, Philadelphia, Pa. Fire-extinguisher. No. 1,087,752; Feb. 17; Gaz. vol. 199; p. 853.
- Flanagan, Edward F., Washington, D. C. Attachment for eyeglass-cases. No. 1,105,069; July 28; Gaz. vol. 204; p. 1124.
- Flanagan, Edward F., Washington, D. C. Condiment-holder. No. 1,110,383; Sept. 15; Gaz. vol. 206; p. 622.
- Flanagan, John P., et al. (See Eriksen, Ingebrigt, assignor.)
- Flanagan, Mark T. (See Roberts, George B., assignor.)
- Flanagan, Raymond W., Berwick, Pa. Vegetable-cutter. No. 1,113,895; Oct. 13; Gaz. vol. 207; p. 561.
- Flanary, Henry L., Roaringfork, Va. Automatic return-hook. No. 1,096,498; May 12; Gaz. vol. 202; p. 487.
- Flanigan, John J., assignor to Duplicator Manufacturing Company, Chicago, Ill. Multiple-copying machine. No. 1,118,119; Nov. 24; Gaz. vol. 208; p. 1045.
- Flannery Bolt Company. (See Dodds, Ethan I., assignor.)
- Flannery Bolt Company. (See Flannery, John R., assignor.)
- Flannery Bolt Company. (See Stafford, Benjamin E. D., assignor.)
- Flannery, John R., assignor to Flannery Bolt Company, Pittsburgh, Pa. Flexible stay-bolt for boilers. No. 1,111,691; Sept. 22; Gaz. vol. 206; p. 1122.
- Flannery, Joseph C. (See Harrison, John O., assignor.)
- Flannery, Joseph M. (See Karr, Corydon P., assignor.)
- Flannery, Joseph M. (See Krapf, Emile F., assignor.)
- Flannery, William A., Milford, Mass. Cigarette-roller. No. 1,115,918; Nov. 3; Gaz. vol. 208; p. 154.
- Flannery, William C., Washington, D. C. Sewer, aqueduct, or like conduit. No. 1,120,706; Dec. 15; Gaz. vol. 209; p. 711.
- Flashslaender, Joseph. (See Gräler, Buff, and Flashslaender.)
- Flatau, Louis S., St. Louis, Mo. Cup-dispenser. No. 1,091,921; Mar. 31; Gaz. vol. 200; p. 1279.
- Flatau, Louis S., St. Louis, Mo. Turbine. No. 1,097,412; May 19; Gaz. vol. 202; p. 847.
- Flatau, Louis S., St. Louis, Mo. Turbine. No. 1,099,792; June 9; Gaz. vol. 203; p. 531.
- Flatau, Louis S., St. Louis, Mo. Vehicle-wheel. No. 1,115,919; Nov. 3; Gaz. vol. 208; p. 154.
- Flatau, Louis S., St. Louis, Mo. Vehicle-wheel. No. 1,115,920; Nov. 3; Gaz. vol. 208; p. 155.
- Flatau, Louis S., St. Louis, Mo. Automobile wheel-tire. No. 1,116,256; Nov. 3; Gaz. vol. 208; p. 269.
- Flatau, Louis S., St. Louis, Mo. Paint-mill. No. 1,116,257; Nov. 3; Gaz. vol. 208; p. 269.
- Flatau, Louis S., assignor to J. W. Lewis, St. Louis, Mo. Cup-dispenser. No. 1,096,499; May 12; Gaz. vol. 202; p. 487.
- Flatau, Louis S., assignor of one-half to D. C. Wray, St. Louis, Mo. Rotary engine. No. 1,110,302; Sept. 8; Gaz. vol. 206; p. 555.
- Flatau, Louis S., assignor of one-third to D. C. Wray and one-third to T. A. Wray, St. Louis, Mo. Water-wheel. No. 1,097,411; May 19; Gaz. vol. 202; p. 846.
- Flattem, Hans, Minneapolis, Minn. Feed-water heater and purifier. No. 1,098,030; May 26; Gaz. vol. 202; p. 1109.
- Flavell, Denis A., Jersey City, N. J. Weighing and filling machine. No. 1,086,360; Feb. 10; Gaz. vol. 199; p. 319.
- Flavin, Frank W., Naples, S. D. Oiler. No. 1,115,296; Oct. 27; Gaz. vol. 207; p. 1147.
- Flawith, George, Melrose Highlands, Mass. Lubricating-packing. No. 1,102,332; July 7; Gaz. vol. 204; p. 39.
- Flax, Joseph, New York, N. Y. Bag. No. 1,121,343; Dec. 15; Gaz. vol. 209; p. 934.
- Fleagle, Arthur N., Baltimore, Md. Flag and marker holder. No. 1,121,487; Dec. 15; Gaz. vol. 209; p. 984.
- Fleck, Charles F., San Francisco, Cal. Mold for ornamental surfaces. No. 1,101,020; June 23; Gaz. vol. 203; p. 1046.
- Fleck, Ferdinand J. H., Tamaqua, Pa. Film-winding apparatus. No. 1,095,096; Apr. 28; Gaz. vol. 201; p. 1149.
- Fleck, John, Tarentum, Pa. Headlight for street-cars. No. 1,089,200; Mar. 3; Gaz. vol. 200; p. 182.
- Fleet, William, Long Branch, N. J. Horseshoe attachment. No. 1,111,303; Sept. 22; Gaz. vol. 206; p. 987.
- Fleetwood, James H., New Orleans, La. Continuously-operating filter. No. 1,107,924; Aug. 18; Gaz. vol. 205; p. 909.
- Flegel, Benjamin F., Racine, Wis. Culinary timing apparatus. No. 1,097,753; May 26; Gaz. vol. 202; p. 1009.
- Flegle, Jacob M., Webster Groves, Mo. Pocket-closer. No. 1,086,039; Feb. 3; Gaz. vol. 199; p. 165.
- Fleischauer, William J., and H. Richardson, Pontiac, Mich., assignors of one-fourth to B. Brigham and one-fourth to C. Madson, South Bend, Ind. Door-lock. No. 1,094,550; Apr. 28; Gaz. vol. 201; p. 958.
- Fleischer, Firm of A. (See Fleischer, Willy and E., assignors.)
- Fleischer, Ernst. (See Fleischer, Willy and E.)
- Fleischer, Paul W., West Hoboken, N. J., assignor to American Can Company, New York, N. Y. Article-feeding mechanism. No. 1,116,406; Nov. 10; Gaz. vol. 208; p. 361.
- Fleischer, Willy and E., assignors to Firm of A. Fleischer, Reichenbach, Germany. Manufacture of warp of different-colored threads. No. 1,096,702; May 12; Gaz. vol. 202; p. 555.
- Fleischmann, Julius. (See Dormus and Fleischmann.)

Alphabetical list of patentees—Continued.

- Fleischmann, Lionel, Berlin, Germany, assignor to General Electric Company. System of motor control. No. 1,102,488; July 7; Gaz. vol. 204; p. 93.
- Fleming, Allison H., Fairmont, W. Va. Garment-supporter. No. 1,090,040; Mar. 10; Gaz. vol. 200; p. 518.
- Fleming, Charles F., San Jose, Cal. Automatic feeding-machine. No. 1,120,299; Dec. 8; Gaz. vol. 209; p. 519.
- Fleming, Clarence C., Amityville, assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Display-stand. No. 1,117,824; Nov. 17; Gaz. vol. 208; p. 904.
- Fleming, Clifford A., Huntsville, Mo. Fork. No. 1,091,319; Mar. 24; Gaz. vol. 200; p. 1028.
- Fleming, Edward E., Maugansville, Md. Sealing device for envelops. No. 1,117,992; Nov. 24; Gaz. vol. 208; p. 1001.
- Fleming, Ernest L., Chester, England. Manufacture of borax and boric acid. No. 1,090,526; Mar. 17; Gaz. vol. 200; p. 729.
- Fleming, Frank, Sacramento, Cal. Fluid-pressure-operated lubricant-cup. No. 1,104,178; July 21; Gaz. vol. 204; p. 767.
- Fleming, Ivan R., Great Crosby, near Liverpool, England. Means for propelling boats and the like. No. 1,091,320; Mar. 24; Gaz. vol. 200; p. 1028.
- Fleming, J. W., *et al.* (See Baum, James B., assignor.)
- Fleming, James R., Scranton, Pa. Mine-car-door latch-plate. No. 1,116,258; Nov. 3; Gaz. vol. 208; p. 269.
- Fleming, John C., Boston, Mass. Drier. No. 1,099,122; June 2; Gaz. vol. 203; p. 255.
- Fleming, John C., Boston, assignor to W. J. Berwick, Norwood, Mass. Ventilating apparatus. No. 1,101,489; June 23; Gaz. vol. 203; p. 1207.
- Fleming, Jonathan H. and T. Penns Station, Pa.; said T. Fleming assignor to said Jonathan H. Fleming. Fire-extinguishing device. No. 1,102,030; June 30; Gaz. vol. 203; p. 1448.
- Fleming, Richard, Lynn, Mass., assignor to General Electric Company. Arc-lamp. No. 1,118,408; Nov. 24; Gaz. vol. 208; p. 1146.
- Fleming, Robert J., and T. A. Robinson, London, England. Rimless eyeglasses. No. 1,084,262; Jan. 13; Gaz. vol. 198; p. 363.
- Fleming, Samuel H., assignor to National Carbon Company, Cleveland, Ohio. Article with protective coating. No. 1,098,794; June 2; Gaz. vol. 203; p. 148.
- Fleming, Thomas. (See Fleming, Jonathan H. and T.)
- Fleming, Thomas C., Stoppington, Alberta, Canada. Animal-feeder. No. 1,120,920; Dec. 15; Gaz. vol. 209; p. 788.
- Fleming, Thomas C., Vancouver, British Columbia, Canada. Window-refrigerator. No. 1,121,819; Dec. 22; Gaz. vol. 209; p. 1136.
- Fleming, Walter J., Springfield, Ohio. Base-ball amusement-machine. No. 1,120,468; Dec. 8; Gaz. vol. 209; p. 580.
- Fleming, William J., Jr., Darien, Conn., assignor to Automatic Ventilator Company, New York, N. Y. Car-ventilator. No. 1,092,705; Apr. 7; Gaz. vol. 201; p. 200.
- Fleming, Wills M., Holyoke, Mass., assignor to International Steam Pump Company. Pump. No. 1,109,672; Sept. 8; Gaz. vol. 206; p. 328.
- Flemming, Paul, Hamburg, Germany. Production of disinfectants. No. 1,096,361; May 12; Gaz. vol. 202; p. 442.
- Flere, Thomas H., Kew, Victoria, Australia. Roadway construction. No. 1,118,756; Nov. 24; Gaz. vol. 208; p. 1266.
- Flesheim, Sylvester W., assignor to The Master Builders Company, Cleveland, Ohio. Hardening concrete structures. No. 1,113,112; Oct. 6; Gaz. vol. 207; p. 241.
- Fletcher, Albert T., Boston, Mass. Silver-polish. No. 1,113,322; Oct. 13; Gaz. vol. 207; p. 360.
- Fletcher, Charles H., Beaver Falls, Pa. Broiler. No. 1,096,029; May 12; Gaz. vol. 202; p. 327.
- Fletcher, Edward F. (See Bemis, Gilbert C., assignor.)
- Fletcher, Gayle M., Billings, Mont. Operating mechanism for hand-operated devices. No. 1,094,043; Apr. 14; Gaz. vol. 201; p. 349.
- Fletcher, George W., Menden, Ill. Coop-fastening. No. 1,109,057; Sept. 1; Gaz. vol. 206; p. 72.
- Fletcher, Hartley, Thaon-les-Vosges, assignor to A. E. Verge, Vincennes, France. Dyeing with anilin-black. No. 1,102,898; July 7; Gaz. vol. 204; p. 235.
- Fletcher, Hartley, Thaon-les-Vosges, assignor to A. E. Verge, Vincennes, France. Dyeing of fabrics and fibers with anilin-black by oxidation in the air. No. 1,119,075; Dec. 1; Gaz. vol. 209; p. 62.
- Fletcher, Henry M., Plainview, Tex. Header. No. 1,085,250; Jan. 27; Gaz. vol. 198; p. 762.
- Fletcher, James R. (See Arens and Fletcher.)
- Fletcher, James R., assignor to The American Hardware Corporation, New Britain, Conn. Reversible box-strike for locks. No. 1,083,529; Jan. 6; Gaz. vol. 198; p. 90.
- Fletcher, James R., assignor to The American Hardware Corporation, New Britain, Conn. Strike-plate. No. 1,091,453; Mar. 24; Gaz. vol. 200; p. 1070.
- Fletcher, James R., assignor to The American Hardware Corporation, New Britain, Conn. Manufacture of key plugs for cylinder-locks. No. 1,099,494; June 9; Gaz. vol. 203; p. 429.
- Fletcher, James R., assignor to The American Hardware Corporation, New Britain, Conn. Cylinder-lock. No. 1,099,903; June 9; Gaz. vol. 203; p. 569.
- Fletcher, John B., Newport, Ky. Reciprocating water-motor. No. 1,118,852; Nov. 24; Gaz. vol. 208; p. 1299.
- Fletcher, Joseph H. (See Nedoma, Charles L., assignor.)
- Fletcher, Lorenzo D., Honaker, Va. Miter-box. No. 1,097,795; May 26; Gaz. vol. 202; p. 1026.
- Fletcher, Morris D., Springfield, Mass. Twine-holder. No. 1,122,716; Dec. 29; Gaz. vol. 209; p. 1486.
- Fletcher and Sons, Henry. (See Fennel, Jacob W., assignor.)
- Fletcher, William F., Drill, Va. Drilling-machine. No. 1,117,825; Nov. 17; Gaz. vol. 208; p. 905.
- Fletcher, William T., Belfast, Ireland. Reciprocating-flat-bed-web-printing machine. No. 1,094,386; Apr. 21; Gaz. vol. 201; p. 840.
- Fleur De Lis Specialty Company. (See Mars, James C., assignor.)
- Fleurent, Emile C. A., *et al.* (See Ravautte, Albin, assignor.)
- Fleury, Frederick E. (See Pelton and Fleury.)
- Fleury, James, Lindsay, Ontario, Canada. Feed-box. No. 1,096,703; May 12; Gaz. vol. 202; p. 555.
- Fleury, Pierre, Paris, France. Refrigerator. No. 1,091,321; Mar. 24; Gaz. vol. 200; p. 1028.
- Flexer, Albert S., Vienna, Austria-Hungary. Manufacture of nitro products from petroleum and tar. No. 1,099,976; June 16; Gaz. vol. 203; p. 631.
- Flexible Rubber Goods Co. (See Slater, Charles B., assignor.)
- Flexible Steel Lacing Company. (See Purple, George E., assignor.)
- Flexitallie Gasket Company. (See Hettinger, Charles F., assignor.)
- Flexitype Co., The. (See Breuer, John C., assignor.)
- Flexner, Jefferson E. (See Rye and Flexner.)
- Flichtner, Stanwood E., Englewood, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Adjustable support for vapor-lamps. No. 1,110,617; Sept. 15; Gaz. vol. 206; p. 706.
- Flick, Warren J. (See Huck, John T., assignor.)
- Fligel, Bernard I., New York, N. Y. Garment. No. 1,099,031; June 2; Gaz. vol. 203; p. 227.
- Flinchbaugh, Frederick T., York, Pa. Gearing. No. 1,092,639; Apr. 7; Gaz. vol. 201; p. 179.
- Flindall, John, Chicago, Ill. Draft-controlling draft-controlled damper. No. 1,115,799; Nov. 3; Gaz. vol. 208; p. 111.
- Flinder, William S., Chambersburg, Pa. Match-box. No. 1,113,425; Oct. 13; Gaz. vol. 207; p. 398.
- Flinn, Christopher, Terre Haute, Ind., assignor to American Car and Foundry Company, St. Louis, Mo. Tank-car. No. 1,122,378; Dec. 29; Gaz. vol. 209; p. 1367.
- Flinn, David. (See Beck, James A., assignor.)
- Flint, Alvin L., Binghamton, N. Y. Clothes-line adjuster. No. 1,085,559; Jan. 27; Gaz. vol. 198; p. 864.
- Flint, Carl H., New York, N. Y. Hull for hydroaeroplanes. No. 1,110,918; Sept. 15; Gaz. vol. 206; p. 812.
- Flint, Christian W., Port Townsend, Wash. Submarine life-saving device. No. 1,117,826; Nov. 17; Gaz. vol. 208; p. 905.
- Flint, Everett W., Boston, Mass. Shade-support. No. 1,119,148; Dec. 1; Gaz. vol. 209; p. 87.
- Flint, Frank C., assignor to Knit Goods Specialty Company, Chicopee Falls, Mass. Making gas-mantles. No. 1,088,654; Feb. 24; Gaz. vol. 199; p. 1204.
- Flint, George H., Bellflower, Ill. Shield-holder for cultivators. No. 1,110,048; Sept. 8; Gaz. vol. 206; p. 463.
- Flint, Louis J., South Whitley, Ind., assignor to Grip Nut Company, Chicago, Ill. Gearing. No. 1,093,984; Apr. 21; Gaz. vol. 201; p. 708.
- Flint, Louis J., South Whitley, Ind., assignor to Grip Nut Company. Electric distributor. No. 1,110,676; Sept. 15; Gaz. vol. 206; p. 727.
- Flint, Louis J., assignor to Grip Nut Company, Chicago, Ill. Magneto-generator. No. 1,115,921; Nov. 3; Gaz. vol. 208; p. 155.
- Flintkote Manufacturing Company. (See Overbury, Frederick C., assignor.)
- Flitcraft, John M., St. Charles, Iowa. Combined collapsible bucket and funnel. No. 1,122,581; Dec. 29; Gaz. vol. 209; p. 1437.
- Flitcroft, James E., Ocean Grove, assignor to O. Bernz, Newark, N. J. Plumber's test apparatus. No. 1,116,876; Nov. 10; Gaz. vol. 208; p. 531.
- Flock, Lee P., Fyffe, Ala. Resilient vehicle-tire. No. 1,107,508; Aug. 18; Gaz. vol. 205; p. 765.
- Flodin, Victor E., assignor to Crane Company, Chicago, Ill. Wall or ceiling plate. No. 1,111,371; Sept. 22; Gaz. vol. 206; p. 1010.
- Floeter, Frederick S., Saginaw, Mich. Blue-print-making machine. No. 1,106,504; Aug. 11; Gaz. vol. 205; p. 365.
- Floeter, Frederick S., assignor to Wickes Brothers, Saginaw, Mich. Clutch attachment for punching and riveting machines. No. 1,112,443; Oct. 6; Gaz. vol. 207; p. 10.
- Flohr, Andrew, Colorado Springs, Colo. Saw-guard. No. 1,094,710; Apr. 28; Gaz. vol. 201; p. 1019.
- Flood & Conklin Co. (See Hambrook, Louis, Jr., assignor.)

Alphabetical list of patentees—Continued.

- Flood, & Conklin Co. (See McIlwrath, Andrew, assignor.)
 Flora, Ellsworth E., and J. F. Murphy, assignors to The Seal & Fastener Co., Chicago, Ill. Tool for joining metal-strap ends. No. 1,083,607; Jan. 6; Gaz. vol. 198; p. 116.
 Flora, Ellsworth E., and J. F. Murphy, assignors to The Seal & Fastener Co., Chicago, Ill. Tool for joining metal-strap ends. No. 1,084,935; Jan. 20; Gaz. vol. 198; p. 617.
 Flora, Ellsworth E., and J. F. Murphy, assignors to The Seal & Fastener Co., Chicago, Ill. Tool for joining metal-strap ends. No. 1,105,191; July 28; Gaz. vol. 204; p. 1165.
 Florian, Charles H., assignor to Société Anonyme des Etablissements Lacour-Berthiot, Paris, France. Objective. No. 1,122,895; Dec. 29; Gaz. vol. 209; p. 1549.
 Flory, Arthur S. and W. H., Fair Haven, Vt. Automobile-headlight. No. 1,099,920; June 16; Gaz. vol. 203; p. 612.
 Flory, William H. (See Flory, Arthur S. and W. H.)
 Floryanowicz, Josef Z., Wierzbniak, and T. M. J. Kicinski, Zmudz, Russia. Railway-car coupling. No. 1,091,740; Mar. 31; Gaz. vol. 200; p. 1215.
 Flower, David B., Glenside, Pa. Brush-holder. No. 1,101,917; June 30; Gaz. vol. 203; p. 1406.
 Flower, Frank B., Philadelphia, Pa. Canoe-barrow. No. 1,109,520; Sept. 1; Gaz. vol. 206; p. 232.
 Flower, Stanley T. E., Stewart, British Columbia, Canada. Can perforator and sealer. No. 1,118,645; Nov. 24; Gaz. vol. 208; p. 1229.
 Flowers, Edgar L., assignor to Home Canner Company, Hickory, N. C. Canning apparatus. No. 1,109,673; Sept. 8; Gaz. vol. 206; p. 329.
 Flowers, George E., assignor of one-half to J. H. Gray, Delhi, N. Y. Grease-retainer for automobiles. No. 1,120,300; Dec. 8; Gaz. vol. 209; p. 520.
 Flowers, Haywood. (See Cunningham and Flowers.)
 Floyd, David H., Atlanta, Ga. Plow. No. 1,105,264; July 28; Gaz. vol. 204; p. 1192.
 Floyd, Ellis E., Celeste, Tex. Churn. No. 1,114,456; Oct. 20; Gaz. vol. 207; p. 800.
 Floyd, George G., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Side frame. No. 1,100,127; June 16; Gaz. vol. 203; p. 684.
 Floyd, George G., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Six-wheeled truck. No. 1,100,425; June 16; Gaz. vol. 203; p. 788.
 Floyd, George G., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Car-truck. No. 1,105,897; Aug. 4; Gaz. vol. 205; p. 108.
 Floyd, George G., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Car-truck. No. 1,116,050; Nov. 3; Gaz. vol. 208; p. 200.
 Floyd, Leroy H., Lewiston, Nebr., and G. H. Ball, La Fayette, Ga. Hoof-spreader. No. 1,094,322; Apr. 21; Gaz. vol. 201; p. 819.
 Flucken, Adolph H. (See Kett, Richard, assignor.)
 Fluhrer, Fred W., Mayger, Oreg. Mechanical movement. No. 1,110,677; Sept. 15; Gaz. vol. 206; p. 727.
 Fluoride Mfg. Co. (See Henrich, Carl, assignor.)
 Flynn & Emrich Company. (See Clarkson, Edward H. N., assignor.)
 Flynn, Francis R., New York, N. Y. Combined timed lock and recorder. No. 1,114,348; Oct. 20; Gaz. vol. 207; p. 760.
 Flynn, Martin J., Portsmouth, Va. Cooking utensil. No. 1,112,281; Sept. 29; Gaz. vol. 206; p. 1361.
 Flynn, Patrick, Big Creek, Cal. Bottle-indicator. No. 1,085,560; Jan. 27; Gaz. vol. 198; p. 865.
 Flynt, Louis W. G. (See Booth and Flynt.)
 Flynt, Louis W. G., Rochester, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Ironing-tree. No. 1,087,229; Feb. 17; Gaz. vol. 199; p. 671.
 Foard, William G., Kalamazoo, Mich. Sign. No. 1,085,200; Jan. 27; Gaz. vol. 198; p. 743.
 Föckerer, Herman. (See Staab and Föckerer.)
 Foege, John, Richmond, Va. Cigar-package. No. 1,088,335; Feb. 24; Gaz. vol. 199; p. 1100.
 Foerster, Charles J., Noser Mill, Mo. Shipping-crate. No. 1,111,146; Sept. 22; Gaz. vol. 206; p. 933.
 Foerster, Otto H. (See Seaman, Charles H., assignor.)
 Fogarty, John C. (See Bell and Fogarty.)
 Fogarty, John C., Green Bay, Wis. Machine for making paper. No. 1,119,816; Dec. 8; Gaz. vol. 209; p. 350.
 Fogarty, Michael J., et al. (See Glassco, Robert C., assignor.)
 Fogde, Oscar, Hoquiam, Wash. Garment-hanger. No. 1,111,147; Sept. 22; Gaz. vol. 206; p. 934.
 Fogg, Charles F., assignor to Fogg Specialty Company, Inc., New York, N. Y. Clothes-washer. No. 1,115,297; Oct. 27; Gaz. vol. 207; p. 1148.
 Fogg, Nathan C., et al. (See Fox, Lloyd L., assignor.)
 Fogg Specialty Company. (See Fogg, Charles F., assignor.)
 Fogle, Basil L., Boyd, Ky. Folding hammock-frame. No. 1,106,293; Aug. 4; Gaz. vol. 205; p. 243.
 Fogle, John L. and V. C., Pueblo, Colo.; said John L. Fogle assignor to said V. C. Fogle. Portable tower. No. 1,095,391; May 5; Gaz. vol. 202; p. 74.
 Fogle, Victor C. (See Fogle, John L. and V. C.)
 Fogwell, Charles R., assignor to M. D. Taylor, Philadelphia, Pa. Printing-press. No. 1,107,772; Aug. 18; Gaz. vol. 205; p. 859.
 Fohman, Charles, Cleveland, Ohio. Delivery-facilitating device for buildings. No. 1,111,016; Sept. 22; Gaz. vol. 206; p. 888.
 Folberth, Frederick G., Cleveland, Ohio. Pump attachment for motor-vehicle engines. No. 1,107,054; Aug. 11; Gaz. vol. 205; p. 554.
 Folckl, David, Memphis, Tenn. Buttonhole-facing. No. 1,095,567; May 5; Gaz. vol. 202; p. 135.
 Folcz, John. (See Haddad, Charles, assignor.)
 Folcz, John. (See Sternberg, Ferdinand, assignor.)
 Földi, Frank, Cleveland, Ohio. Life-saving net. No. 1,099,352; June 9; Gaz. vol. 203; p. 381.
 Folding-Stand Company. (See Stone, Harry A., assignor.)
 Foley, John S., Mexico, Me. Drill. No. 1,084,324; Jan. 13; Gaz. vol. 198; p. 384.
 Foley, John V. (See Foley and Buchan.)
 Foley, Joseph P. (See Foley and Buchan.)
 Foley, Joseph W., Ottawa, Ontario, Canada. Razor attachment. No. 1,108,839; Aug. 25; Gaz. vol. 205; p. 1276.
 Foley, Michael E., Melvin, Iowa, J. P. Foley, Garvin, Minn., J. V. Foley, and J. J. Buchan, Melvin, Iowa. Manure-loader. No. 1,083,878; Jan. 6; Gaz. vol. 198; p. 201.
 Foley, Thomas P., Chicago, Ill. Shipping-crate for bananas. No. 1,116,259; Nov. 3; Gaz. vol. 208; p. 269.
 Foley, Timothy C., and J. C. Gardiner, Renovo, Pa. Window-shade bracket. No. 1,101,918; June 30; Gaz. vol. 203; p. 1406.
 Folger, Harry S. (See Parker, Thomas L., assignor.)
 Folger, Harry S., Chicago, Ill. Hand-stamp. No. 1,117,364; Nov. 17; Gaz. vol. 208; p. 741.
 Folger, Harry S., Chicago, Ill., A. M. Comstock, M. M. Corey, and W. Boulthouse, Muskegon, Mich., assignors to The Advance Manufacturing and Supply Company, Chicago, Ill. Hand-stamp. No. 1,094,062; Apr. 21; Gaz. vol. 201; p. 734.
 Folger, Henry C., Somerville, Mass. Detachable book-cover. No. 1,088,269; Feb. 24; Gaz. vol. 199; p. 1078.
 Folkman, Henry, assignor of one-third to I. Goldenburg and one-third to N. Goldenburg, Philadelphia, Pa. Garment. No. 1,084,000; Jan. 13; Gaz. vol. 198; p. 275.
 Folland, Henry. (See Jones and Folland.)
 Follen, James H., Kenosha, Wis. Receptacle-cap. No. 1,110,618; Sept. 15; Gaz. vol. 206; p. 706.
 Follett, Waldo F., Orange, Conn., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric interlocking circuits. No. 1,101,067; June 23; Gaz. vol. 203; p. 1062.
 Follett, Waldo F., New Haven, Conn., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. No. 1,101,068; June 23; Gaz. vol. 203; p. 1062.
 Follett, Waldo F., New Haven, Conn., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,117,559; Nov. 17; Gaz. vol. 208; p. 808.
 Folley, David E., Medford, Mass. Puzzle. No. 1,102,576; July 7; Gaz. vol. 204; p. 125.
 Follows, Albert E., Wavertree, Liverpool, England. Artificial tooth. No. 1,089,201; Mar. 3; Gaz. vol. 200; p. 183.
 Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for reading reversed images. No. 1,089,917; Mar. 10; Gaz. vol. 200; p. 475.
 Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Focusing-hood. No. 1,101,532; June 30; Gaz. vol. 203; p. 1272.
 Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-ray-filter. No. 1,104,179; July 21; Gaz. vol. 204; p. 768.
 Folsom, H. B. (See Kinslow, Henry M., assignor.)
 Folsom, Thomas C., Tampa, Fla. Rail-bond. No. 1,089,202; Mar. 3; Gaz. vol. 200; p. 183.
 Foltz, Andrew, Lambertville, N. J. Mold for earthenware. No. 1,087,007; Feb. 10; Gaz. vol. 199; p. 541.
 Foltz, Henry, Sharon, Pa. Antislipping device. No. 1,117,019; Nov. 10; Gaz. vol. 208; p. 580.
 Fonger Fender Company. (See Fonger, William, assignor.)
 Fonger, William, Chicago, Ill., assignor to Fonger Fender Company. Car-fender. No. 1,088,655; Feb. 24; Gaz. vol. 199; p. 1204.
 Fonsskov, Nels, Perth Amboy, N. J. Pencil-sharpener. No. 1,083,676; Jan. 6; Gaz. vol. 198; p. 138.
 Font y Amador, Vincent, Habana, Cuba. Type-writer. No. 1,095,063; Apr. 28; Gaz. vol. 201; p. 1138.
 Fontaine, Louis E., Levis, Quebec, Canada. Anchor post and brace. No. 1,119,943; Dec. 8; Gaz. vol. 209; p. 394.
 Fontanella, Henry F., New York, N. Y. Planchette device. No. 1,091,206; Mar. 24; Gaz. vol. 200; p. 992.
 Fontneau & Cook Co. (See Fontneau and Person, assignors.)
 Fontneau, Nelson C., and A. Person, assignors to Fontneau & Cook Co., Attleboro, Mass. Cigar-cutter. No. 1,100,364; June 16; Gaz. vol. 203; p. 766.
 Food Products Co. (See Kirk and Hobson, assignors.)

Alphabetical list of patentees—Continued.

- Foote, Andrew W., Cleveland, Ohio. Piston-turning machine. No. 1,095,322; May 5; Gaz. vol. 202; p. 51.
 Foote, Colin W., Rochester, Mich. Sled-brake. No. 1,104,649; July 21; Gaz. vol. 204; p. 930.
 Foote, George P., Danbury, Conn. Hat-hanging machine. No. 1,108,730; Aug. 25; Gaz. vol. 205; p. 1238.
 Foote, Jeff J., Atlanta, Ga. Trunk. No. 1,102,257; July 7; Gaz. vol. 204; p. 12.
 Foote, Mark A. (See Kincaid, Foote, and Neureither.)
 Foote, Theodore M., Allston, Mass., assignor to National Binding Machine Company, New York, N. Y. Automatic labeling-machine. No. 1,090,388; Mar. 17; Gaz. vol. 200; p. 679.
 Foote, Theodore M., Brooklyn, N. Y., assignor to P. B. Bradley, Hingham, Mass. Speed and distance indicating and recording mechanism. No. 1,101,840; June 30; Gaz. vol. 203; p. 1378.
 Foothorap, Harry A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Line-spacing mechanism. No. 1,089,465; Mar. 10; Gaz. vol. 200; p. 318.
 Foothorap, Harry A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Platen equipment for type-writing machines. No. 1,116,812; Nov. 10; Gaz. vol. 208; p. 508.
 Foothorap, Harry A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Type-head shifting and locking mechanism. No. 1,119,149; Dec. 1; Gaz. vol. 209; p. 87.
 Forbes, Carroll R., Rolla, Mo. Rock-drill bit. No. 1,094,063; Apr. 21; Gaz. vol. 201; p. 734.
 Forbes, Edward, Los Angeles, Cal. Laced boot or shoe. No. 1,088,067; Feb. 24; Gaz. vol. 199; p. 1008.
 Forbes, Frank G. (See Barton, Joseph T., assignor.)
 Forbes, Howard C., Cambridge, Mass. Game apparatus. No. 1,096,362; May 12; Gaz. vol. 202; p. 442.
 Forbes, Ida R. (See McGowen, Francis J., assignor.)
 Forbes Lithograph Manufacturing Company, The. (See Thomson, David F., assignor.)
 Forbes, Robert R., Mount Holly, N. J. Electric ground-clamp. No. 1,084,936; Jan. 20; Gaz. vol. 198; p. 618.
 Forbes, Thomas C., Los Angeles, Cal., assignor, by mesne assignments, to Sperry Gyroscope Company. Device for steadying ships. (Reissue.) No. 13,755; June 23; Gaz. vol. 203; p. 1217.
 Forbes, Walter D., Oakland, Cal. Bathing-suit. No. 1,121,177; Dec. 15; Gaz. vol. 209; p. 878.
 Forbes, Wilson H., Detroit, Mich. Automatic feed mechanism for rolling-mills. No. 1,104,788; July 28; Gaz. vol. 204; p. 1026.
 Forboro Company, The. (See Bristol, Edgar H., assignor.)
 Force, Howard J., Scranton, Pa. Treating Portland and similar cement. No. 1,085,977; Feb. 3; Gaz. vol. 199; p. 142.
 Force, John W., New Britain, Conn. Turn-button. No. 1,087,084; Feb. 10; Gaz. vol. 199; p. 566.
 Force, John W., deceased, New Britain, Conn.; C. V. Smith, administrator. Turn-button. No. 1,120,610; Dec. 8; Gaz. vol. 209; p. 631.
 Force, William C., North Plainfield, N. J. Testing device for gas-engines. No. 1,095,273; May 5; Gaz. vol. 202; p. 34.
 Ford, Albert J., New York, N. Y. Printing-press. No. 1,092,830; Apr. 14; Gaz. vol. 201; p. 278.
 Ford, Albert J., New York, N. Y., assignor to The Fuchs & Lang Manufacturing Company. Bronzing-machine. No. 1,107,773; Aug. 18; Gaz. vol. 205; p. 860.
 Ford, Arthur, Wellington, Tex. Automatic liquid-fuel regulator for steam-generators. No. 1,097,413; May 19; Gaz. vol. 202; p. 847.
 Ford, Bion D. (See Albrecht, Charles F., assignor.)
 Ford, Bruce, Philadelphia, Pa. Secondary or storage battery. No. 1,095,722; May 5; Gaz. vol. 202; p. 187.
 Ford, Bruce, Philadelphia, Pa. Storage-battery cell. No. 1,111,451; Sept. 22; Gaz. vol. 206; p. 1037.
 Ford, Charles A., Newark, N. J. Nutless bolt. No. 1,084,850; Jan. 20; Gaz. vol. 198; p. 590.
 Ford, Charles A., Newark, N. J. Paper box. No. 1,084,851; Jan. 20; Gaz. vol. 198; p. 590.
 Ford, Charles A., Newark, N. J. Hook and eye. No. 1,084,852; Jan. 20; Gaz. vol. 198; p. 590.
 Ford, Charles A., Newark, N. J., assignor to Ford Manufacturing Company. Plaster-book. No. 1,099,741; June 9; Gaz. vol. 203; p. 514.
 Ford, Frank M., Guthrie, Mo. Brooder. No. 1,099,291; June 9; Gaz. vol. 203; p. 359.
 Ford, Frederick H., assignor to The Mechanical Appliance Company, Milwaukee, Wis. Dynamo-electric machine. No. 1,085,116; Jan. 27; Gaz. vol. 198; p. 714.
 Ford, Hannibal C., Jamaica, assignor to E. W. Hill, New York, N. Y. Demountable-rim-locking device. No. 1,086,760; Feb. 10; Gaz. vol. 199; p. 458.
 Ford, Henry. (See Huff, Edward S., assignor.)
 Ford, Howeth T., Central Valley, N. Y. Washing device for automobiles. No. 1,096,704; May 12; Gaz. vol. 202; p. 555.
 Ford, James E., Hydro, Okla. Roller jewel-setter. No. 1,092,345; Apr. 7; Gaz. vol. 201; p. 77.
 Ford, John C., deceased; M. E. Brown, administratrix, assignor of one-half to C. F. McFarland, Keokuk, Iowa. Suction apparatus. No. 1,093,389; Apr. 14; Gaz. vol. 201; p. 470.
 Ford, John J., Ottumwa, Iowa. Card game. No. 1,107,417; Aug. 18; Gaz. vol. 205; p. 734.
 Ford, John O., Jacksonville, Tex. Window-sash fastener and lock. No. 1,086,910; Feb. 10; Gaz. vol. 199; p. 510.
 Ford, John O., Jacksonville, Tex. Combined door and gate stop. No. 1,108,731; Aug. 25; Gaz. vol. 205; p. 1239.
 Ford, John W., assignor of one-fourth to J. H. McCarthy, Denver, Colo. Attachment for horseshoes. No. 1,120,921; Dec. 15; Gaz. vol. 209; p. 788.
 Ford Manufacturing Company. (See Ford, Charles A., assignor.)
 Ford, Shelley W., Chicago, Ill. Crank-hanger for bicycles and the like. No. 1,088,140; Feb. 24; Gaz. vol. 199; p. 1034.
 Ford, Stanley E., Scotia, N. Y., assignor to General Electric Company. Manufacture of varnish. No. 1,109,979; Sept. 8; Gaz. vol. 206; p. 439.
 Ford, Thomas B., New York, N. Y. Water pressure reducing and circulating apparatus. No. 1,121,488; Dec. 15; Gaz. vol. 209; p. 984.
 Ford, Walter J., Deptford, London, England. Safe, money-box, and the like. No. 1,101,735; June 30; Gaz. vol. 203; p. 1341.
 Ford, William H., Lowell, Mass. Mold-extracting apparatus. No. 1,118,194; Nov. 24; Gaz. vol. 208; p. 1070.
 Ford, William H., assignor of one-half to F. Hanchett, Lowell, Mass. Apparatus for making cast articles. No. 1,119,418; Dec. 1; Gaz. vol. 209; p. 179.
 Ford, Winthrop H., Torrington, Conn. Gasolene-meter. No. 1,084,325; Jan. 13; Gaz. vol. 198; p. 385.
 Forde, Lester L., Laurinburg, N. C. Electrical vaporizer attachment for gas-engines. No. 1,100,293; June 16; Gaz. vol. 203; p. 742.
 Fordon, Alexander A. (See Morrison and Fordon.)
 Fordyce, Edgar W., assignor of one-half to J. Saks, Anniston, Ala. Flushing apparatus. No. 1,108,496; Aug. 25; Gaz. vol. 205; p. 1159.
 Fordyce, Edmond A., assignor, by mesne assignments, to American Pneumatic Service Company, Boston, Mass. Pneumatic-despatch-tube apparatus. No. 1,106,346; Aug. 4; Gaz. vol. 205; p. 262.
 Fordyce, Edmond A., assignor, by mesne assignments, to American Pneumatic Service Company, Boston, Mass. Pneumatic-despatch-tube apparatus. No. 1,111,890; Sept. 29; Gaz. vol. 206; p. 1230.
 Fordyce, John R., and W. R. Keef, Little Rock, Ark. Cotton-gin. No. 1,105,026; July 28; Gaz. vol. 204; p. 1108.
 Foreman, Ernest J., Trinidad, Colo. Screw. No. 1,088,892; Mar. 3; Gaz. vol. 200; p. 75.
 Foresman, Harry L., San Dimas, Cal. Solar heater. No. 1,093,925; Apr. 21; Gaz. vol. 201; p. 689.
 Forest City Knitting Co. (See Nelson, John F., assignor.)
 Forest Products Co. (See Danner, William, assignor.)
 Forest, Rock. (See Boudreau, Joseph H., assignor.)
 Forester, James, New York, N. Y. Wardrobe-fixture. No. 1,111,304; Sept. 22; Gaz. vol. 206; p. 937.
 Foret, John B., Ford City, Mich. Automobile-fender. No. 1,092,033; Mar. 31; Gaz. vol. 200; p. 1313.
 Forged Steel Wheel Company. (See Hansen, John M., assignor.)
 Forgrove Machinery Company Limited, The. (See Grover, Frederick, assignor.)
 Forlanini, Enrico, Milan, Italy. Hydroflying-machine. No. 1,112,405; Sept. 29; Gaz. vol. 206; p. 1405.
 Forlong, Elizabeth H. M. J. F., New York, N. Y. Portable garment-hanger. No. 1,104,180; July 21; Gaz. vol. 204; p. 768.
 Formacher, Alfred von, New York, N. Y. Attachment for barrel-taps. No. 1,083,781; Jan. 6; Gaz. vol. 198; p. 172.
 Forman, Joseph, assignor to Henry Sonneborn and Company, Baltimore, Md. Safety-pocket. No. 1,089,203; Mar. 3; Gaz. vol. 200; p. 183.
 Forman, Robert E., Paris, assignor of one-half to J. R. Hainline, Mount Sterling, Ky. Cutting and slicing machine. No. 1,106,035; Aug. 4; Gaz. vol. 205; p. 158.
 Fornaca, Guido, Turin, Italy. Valve mechanism for internal-combustion engines. No. 1,096,900; May 19; Gaz. vol. 202; p. 667.
 Fornander, Alfred. (See Green and Fornander.)
 Fornander, Alfred, New York, N. Y. Device for sharpening cutting instruments. No. 1,110,619; Sept. 15; Gaz. vol. 206; p. 706.
 Forner, Alessandro, New Rochelle, N. Y. Combination cigar-box. No. 1,120,469; Dec. 8; Gaz. vol. 209; p. 581.
 Fornet, Walter, Halensee-Berlin, Germany. Preparation of a vaccine. No. 1,122,379; Dec. 29; Gaz. vol. 209; p. 1368.
 Forney, Edward J., Greensboro, N. C. Subsoil attachment for plows. No. 1,122,269; Dec. 29; Gaz. vol. 209; p. 1332.
 Forray, Johan, Heatherman, W. Va. Spring-heel for shoes. No. 1,098,241; May 26; Gaz. vol. 202; p. 1180.
 Forray, Johan, and S. Kovács, Heatherman, W. Va. Lifeboat body-catcher. No. 1,100,235; June 16; Gaz. vol. 203; p. 721.
 Forrest, Charles A., Harrisonville, Ohio. Spike. No. 1,088,560; Feb. 24; Gaz. vol. 199; p. 1173.

Alphabetical list of patentees—Continued.

- Forrest, Charles N., Rahway, N. J., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Manufacturing asphaltic paving material. No. 1,087,085; Feb. 10; Gaz. vol. 199; p. 567.
- Forrest, William H., Boston, Mass., assignor to Excel Jack Mfg. Co. Lifting-jack. No. 1,109,980; Sept. 8; Gaz. vol. 206; p. 439.
- Forrester, Eli T., Denver, Colo. Vehicle-wheel. No. 1,084,620; Jan. 20; Gaz. vol. 198; p. 509.
- Forrester, Eli T., Hot Springs, S. D. Jacket. No. 1,111,222; Sept. 22; Gaz. vol. 206; p. 960.
- Forrester, Ernest G., administrator. (See Forrester, Samuel.)
- Forrester, P. F. (See Baker, Norbert L., R. P., and J. F., assignors.)
- Forrester, Samuel, deceased, Pittsburgh, Pa.; E. G. Forrester, administrator. Pencil-sharpening machine. No. 1,115,298; Oct. 27; Gaz. vol. 207; p. 1148.
- Forry, Charles E., et al. (See Duncan, Arthur L., assignor.)
- Forry, Charles E., Oakland, Cal. Can-top feeder. No. 1,092,706; Apr. 7; Gaz. vol. 201; p. 200.
- Fors, Carl E., and F. W. Lilyard, Burnside, Iowa. Automatic railway-switch. No. 1,121,820; Dec. 22; Gaz. vol. 209; p. 1136.
- Forsberg, Axel C., and H. C. Schlicker, New York, assignors to M. M. Loomam, New Rochelle, N. Y. Motion-picture camera. No. 1,098,031; May 26; Gaz. vol. 202; p. 1109.
- Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, New York, N. Y. Coin-collector. No. 1,096,500; May 12; Gaz. vol. 202; p. 488.
- Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, New York, N. Y. Cash-receptacle for coin-collectors. No. 1,104,042; July 21; Gaz. vol. 204; p. 720.
- Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, New York, N. Y. Electromagnet. No. 1,117,485; Nov. 17; Gaz. vol. 208; p. 783.
- Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, New York, N. Y. Registering mechanism. No. 1,117,486; Nov. 17; Gaz. vol. 208; p. 783.
- Forsberg, Oscar F., assignor to Western Electric Company, New York, N. Y. Spool-head. No. 1,100,178; June 16; Gaz. vol. 203; p. 702.
- Forsgreen, August. (See Johansen, Ingwald, assignor.)
- Forsheim, Joseph, and J. Konigsberg, assignors to L. S. Forsheim, New York, N. Y. Calculating-machine. No. 1,085,561; Jan. 27; Gaz. vol. 198; p. 865.
- Forsheim, Lena S. (See Forsheim and Konigsberg, assignors.)
- Forst, John P., Chicago, Ill. Mower. No. 1,106,374; Aug. 11; Gaz. vol. 205; p. 316.
- Forster, Carl C. (See Faltus, Joseph, assignor.)
- Forster, Frank, Orchid, Fla. Insecticide, fungicide, and soil antiseptic. No. 1,105,642; Aug. 4; Gaz. vol. 205; p. 20.
- Forster, Guy E., et al. (See Grueninger, Edward, assignor.)
- Forster, Harry J., Chicago, Ill. Drill-extension device. No. 1,104,110; July 21; Gaz. vol. 204; p. 743.
- Forster, John, St. Helens, England. Apparatus for making glass articles. No. 1,106,140; Aug. 4; Gaz. vol. 205; p. 195.
- Forster, Joseph, Warrington, England. Apparatus for preparing tanning liquors. No. 1,107,925; Aug. 18; Gaz. vol. 205; p. 910.
- Forster, Joseph A. (See Metzger, Forster, and Kune.)
- Forster, Paolo, Turin, Italy. Electromagnetic friction-coupling. No. 1,122,380; Dec. 29; Gaz. vol. 209; p. 1368.
- Forster, Samuel S., Schenectady, N. Y., assignor to General Electric Company. Shaft-bearing. No. 1,115,185; Oct. 27; Gaz. vol. 207; p. 1109.
- Forster & Son, J. C. (See Schirra, Julius, assignor.)
- Forsyth, Benjamin F., Delta, Colo. Corn-popper. No. 1,102,031; June 30; Gaz. vol. 203; p. 1448.
- Forsyth Brothers Company. (See Brinckerhoff, Francis M., assignor.)
- Forsyth Brothers Company. (See Forsyth, George H., assignor.)
- Forsyth Brothers Company. (See Forsyth and Sisson, assignors.)
- Forsyth Brothers Company. (See Sisson, Albert H., assignor.)
- Forsyth, Charles F. (See Kent and Waters, assignors.)
- Forsyth, Ellsworth. (See Woods, Clarence S., assignor.)
- Forsyth, George H., Chicago, Ill. Window. No. 1,086,284; Feb. 3; Gaz. vol. 199; p. 246.
- Forsyth, George H., Chicago, Ill. Sash construction. No. 1,086,316; Feb. 3; Gaz. vol. 199; p. 255.
- Forsyth, George H., Chicago, Ill. Window construction. No. 1,086,317; Feb. 3; Gaz. vol. 199; p. 256.
- Forsyth, George H., Chicago, Ill. Window construction. No. 1,086,318; Feb. 3; Gaz. vol. 199; p. 256.
- Forsyth, George H., Chicago, Ill. Window construction. No. 1,086,319; Feb. 3; Gaz. vol. 199; p. 256.
- Forsyth, George H., Chicago, Ill. Window construction. No. 1,086,320; Feb. 3; Gaz. vol. 199; p. 257.
- Forsyth, George H., Chicago, Ill. Sash construction. No. 1,105,970; Aug. 4; Gaz. vol. 205; p. 135.
- Forsyth, George H., Chicago, Ill. Metal window construction. No. 1,113,157; Oct. 6; Gaz. vol. 207; p. 257.
- Forsyth, George H., assignor to Forsyth Brothers Company, Chicago, Ill. Window. No. 1,086,321; Feb. 3; Gaz. vol. 199; p. 257.
- Forsyth, George H., assignor to Forsyth Brothers Company, Chicago, Ill. Sash-balance. No. 1,103,496; July 14; Gaz. vol. 204; p. 487.
- Forsyth, George H., assignor to Forsyth Brothers Company, Chicago, Ill. Method and apparatus for forming metallic sheets and the like. No. 1,112,779; Oct. 6; Gaz. vol. 207; p. 129.
- Forsyth, George H., Chicago, Ill., assignor to Waugh Draft Gear Company. Draft and buffing appliance for railway-cars. No. 1,090,143; Mar. 17; Gaz. vol. 200; p. 593.
- Forsyth, George H., Chicago, and A. H. Sisson, Evanston, assignors to Forsyth Brothers Company, Chicago, Ill. Car-body. No. 1,112,778; Oct. 6; Gaz. vol. 207; p. 129.
- Forsyth, William D., Youngstown, Ohio, assignor, by mesne assignments, to Railway Products Corporation, Buffalo, N. Y. Draft-gear. No. 1,083,391; Jan. 6; Gaz. vol. 198; p. 44.
- Forsyth, William D., Youngstown, Ohio, assignor, by mesne assignments, to Railway Products Corporation, Buffalo, N. Y. Forging for car-truck side frames. No. 1,083,392; Jan. 6; Gaz. vol. 198; p. 44.
- Forsyth, William D., Youngstown, Ohio, assignor, by mesne assignments, to Railway Products Corporation, Buffalo, N. Y. Forged car-truck side frame. No. 1,083,393; Jan. 6; Gaz. vol. 198; p. 45.
- Forsyth, William D., Youngstown, Ohio, assignor to Railway Products Corporation, Buffalo, N. Y. Car-part forging. No. 1,084,263; Jan. 13; Gaz. vol. 198; p. 364.
- Forsyth, William D., Youngstown, Ohio, assignor, by mesne assignments, to Railway Products Corporation, Buffalo, N. Y. Forged car-truck side frame and making same. (Reissue.) No. 1,3759; June 23; Gaz. vol. 203; p. 1221.
- Forsyth, William H., New York, N. Y. Box-fastening device. No. 1,084,001; Jan. 13; Gaz. vol. 198; p. 275.
- Forsyth, William H., assignor to The Curtain Supply Company, Chicago, Ill. Car-vestibule diaphragm. (Reissue.) No. 1,3669; Jan. 6; Gaz. vol. 198; p. 210.
- Forsyth, William H., Chicago, Ill., assignor to The Curtain Supply Company, Newark, N. J. Car-vestibule diaphragm. No. 1,095,836; May 5; Gaz. vol. 202; p. 226.
- Fort, Foster W., Waco, Tex. Nutcracker. No. 1,117,945; Nov. 17; Gaz. vol. 208; p. 943.
- Fort, Louis, Jersey City, N. J. Adjustable insulator-support. No. 1,097,414; May 19; Gaz. vol. 202; p. 847.
- Port Pitt Bedding Company. (See Sleeth, Montgomery, assignor.)
- Forté, Harry P., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Package-sealing machine. No. 1,094,139; Apr. 21; Gaz. vol. 201; p. 759.
- Fortescue, Albert J., Arncliffe, near Sydney, New South Wales, Australia. Mechanical movement. No. 1,111,569; Sept. 22; Gaz. vol. 206; p. 1078.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Rectifier system. No. 1,112,282; Sept. 29; Gaz. vol. 206; p. 1362.
- Forth, Charles, Boston, Mass. Pipe-coupling. No. 1,116,877; Nov. 10; Gaz. vol. 208; p. 531.
- Fortier, Charles L., assignor to Johnson Service Company, Milwaukee, Wis. Thermostat. No. 1,109,913; Sept. 8; Gaz. vol. 206; p. 415.
- Fortier, Charles L., assignor to Johnson Service Company, Milwaukee, Wis. Thermostat and like device. No. 1,109,981; Sept. 8; Gaz. vol. 206; p. 440.
- Fortier, George, assignor of one-half to J. Geoffroy, Warren, R. I. Multiplier mechanism. No. 1,092,904; Apr. 14; Gaz. vol. 201; p. 302.
- Fortin, Benjamin P., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,085,031; Jan. 20; Gaz. vol. 198; p. 650.
- Forto, Patrick, assignor of one-fifth to A. Caccamise, one-fifth to A. Masucci, one-fifth to H. Germanowskiv, and one-fifth to H. Duckman, Rochester, N. Y. Safety mechanism for boats. No. 1,122,896; Dec. 29; Gaz. vol. 209; p. 1549.
- Fortune, John R., Detroit, Mich. Furnace. No. 1,113,113; Oct. 6; Gaz. vol. 207; p. 241.
- Forward, Chauncey B., Urbana, Ohio. Manufacture of asphalt from crude mineral oil or residuum thereof. No. 1,088,692; Mar. 3; Gaz. vol. 200; p. 8.
- Forward, Chauncey B., Urbana, Ohio. Apparatus for continuously distilling crude oil and other substances. No. 1,088,693; Mar. 3; Gaz. vol. 200; p. 8.
- Forward, Chauncey B., Urbana, Ohio. Apparatus for fractionating mineral oils. No. 1,100,966; June 23; Gaz. vol. 203; p. 1027.
- Forward, Dryden B. (See McCulley, Rea, and Forward.)
- Fosdick, Clarence W., Alhambra, Cal. Saw-brazing apparatus. No. 1,098,715; June 2; Gaz. vol. 203; p. 123.
- Fosdick, Frank C., Chicago, Ill. Mechanical stoker. No. 1,089,697; Mar. 10; Gaz. vol. 200; p. 399.

Alphabetical list of patentees—Continued.

- Foss, Benjamin F., assignor of one-half to J. F. Horne, Portland, Me., and one-half to Rochester Stamping Company, Rochester, N. Y. Dairy-pail. No. 1,097,415; May 19; Gaz. vol. 202; p. 848.
- Foss-Hughes Company. (See Hughes, Arthur E., assignor.)
- Foss, Oscar F. (See Sperberg, Edward H., assignor.)
- Fosselman, Otto C., Maywood, Ill. Drilling apparatus. No. 1,097,709; May 26; Gaz. vol. 202; p. 994.
- Fossler, Lawrence H. (See Greer and Fossler.)
- Foster, Aura S., Beaver, Okla. Milk-strainer. No. 1,116,260; Nov. 3; Gaz. vol. 208; p. 270.
- Foster Brothers Manufacturing Company. (See Foster, Oscar S., assignor.)
- Foster Brothers Manufacturing Company. (See Foster, William B., assignor.)
- Foster Brothers Manufacturing Company. (See Foster, William S., assignor.)
- Foster, Charles A., Arlington, Md. Cone-carrier. No. 1,108,432; Aug. 25; Gaz. vol. 205; p. 1135.
- Foster, Claud H., Cleveland, Ohio. Shock-absorbing device. No. 1,089,828; Mar. 10; Gaz. vol. 200; p. 444.
- Foster, Claud H., Cleveland, Ohio. Engine. No. 1,120,803; Dec. 15; Gaz. vol. 209; p. 745.
- Foster, Edward C. (See Gettz and Foster.)
- Foster, Edward E., Beverly, Mass. Sled. No. 1,084,697; Jan. 20; Gaz. vol. 198; p. 538.
- Foster, Elza B. (See Kleeman, Frederick, assignor.)
- Foster Engineering Company. (See Krichbaum, William F., assignor.)
- Foster, Ernest H., New York, N. Y. Superheater. No. 1,106,036; Aug. 4; Gaz. vol. 205; p. 158.
- Foster, Frank A., Battle Creek, Mich. Hose-reel. No. 1,096,232; May 12; Gaz. vol. 202; p. 396.
- Foster, Frank B. (See Wheeler, Morris J., assignor.)
- Foster, Frank B. (See Wheeler and Foster.)
- Foster, George A., Chicago, Ill. Liquid-package. No. 1,107,509; Aug. 18; Gaz. vol. 205; p. 765.
- Foster, George H., Marrickville, New South Wales, Australia. Wall-plug fitting. No. 1,117,654; Nov. 17; Gaz. vol. 208; p. 843.
- Foster, George W., Westfield, Mass. Yarn-clearer. No. 1,101,423; June 23; Gaz. vol. 203; p. 1183.
- Foster, George W., Providence, R. I. Measuring device. No. 1,108,353; Aug. 25; Gaz. vol. 205; p. 1108.
- Foster, Harry A., and F. C. Kittredge, Weld, Me. Vehicle-shafts. No. 1,091,322; Mar. 24; Gaz. vol. 200; p. 1029.
- Foster, Harry E. (See Scott and Foster.)
- Foster, Homer. (See Graham, Turner, Foster, and Grant.)
- Foster, James H., assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Skid. No. 1,121,912; Dec. 22; Gaz. vol. 209; p. 1169.
- Foster, Joel M., Brown Mills, N. J. Poultry exerciser and feeder. No. 1,108,566; Aug. 25; Gaz. vol. 205; p. 1183.
- Foster, John B., Newark, N. J. Tooth-brush holder. No. 1,115,061; Oct. 27; Gaz. vol. 207; p. 1065.
- Foster, John F., Argentine, Kans. Roller-bearing cage. No. 1,100,179; June 16; Gaz. vol. 203; p. 702.
- Foster, Julia R., Atlanta, Ga. Stocking. No. 1,083,735; Jan. 6; Gaz. vol. 198; p. 159.
- Foster, Lucian M., Norwich, N. Y. Internal-combustion engine. No. 1,091,053; Mar. 24; Gaz. vol. 200; p. 938.
- Foster, Merriam and Company. (See Palmer, Harry A., assignor.)
- Foster, Oliver M., Elkhart, Ind., assignor to American Smoke Washing Company, Cleveland, Ohio. Gas or smoke washer. No. 1,096,501; May 12; Gaz. vol. 202; p. 488.
- Foster, Oscar S., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Corner-fastener for bedsteads. No. 1,086,520; Feb. 10; Gaz. vol. 199; p. 374.
- Foster, Ralph D. (See Hubbard, Charles G., assignor.)
- Foster, Reuben W., Mankato, Minn. Sifter. No. 1,118,927; Dec. 1; Gaz. vol. 209; p. 8.
- Foster, Theodore D., Cambridge, Mass. Container for disk records. No. 1,084,205; Jan. 13; Gaz. vol. 198; p. 346.
- Foster, Theodore W. (See Pond, Lester G., assignor.)
- Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Extension head-rest for couch-hammocks and the like. No. 1,102,147; June 30; Gaz. vol. 203; p. 1488.
- Foster, William S., Dallas, Wis. Road-planer. No. 1,107,279; Aug. 18; Gaz. vol. 205; p. 683.
- Foster, William S., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Wire-feeding device for coiling-machines. No. 1,093,390; Apr. 14; Gaz. vol. 201; p. 470.
- Foster, William S., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Machine for bending metal strips. No. 1,096,233; May 12; Gaz. vol. 222; p. 396.
- Fotherling, Jesse W., Missoula, Mont. Jointing-head for woodworking-machines. No. 1,114,743; Oct. 27; Gaz. vol. 207; p. 951.
- Fothergill, Edmund W., assignor to Hartford Rubber Works Company, Hartford, Conn. Machine for inclosing cords in tire-wrappers. No. 1,104,789; July 28; Gaz. vol. 204; p. 1027.
- Foto Development Company, The. (See Pifer, George N., assignor.)
- Fought, William O., Jr., and W. E. O'Bryan, Brattleboro, Vt. Gaining-machine. No. 1,083,819; Jan. 6; Gaz. vol. 198; p. 184.
- Fouks, William A. (See Smith, William M., assignor.)
- Foulds, Charles V., Berkeley, Cal. Carbureter. No. 1,116,581; Nov. 10; Gaz. vol. 208; p. 425.
- Foulk, Edward O., Pioneer, La. Stretching device. No. 1,108,732; Aug. 25; Gaz. vol. 205; p. 1239.
- Foulkes-Gaylord Company. (See Gaylord and Capps, assignors.)
- Foulks, James E., Jr., New York, N. Y. Electric-horn switch. No. 1,098,242; May 26; Gaz. vol. 202; p. 1180.
- Fourchy, Richard, Kansas City, Mo. Spring-wheel. No. 1,093,391; Apr. 14; Gaz. vol. 201; p. 470.
- Fourman, Emanuel, Arcanum, Ohio. Railway-tie. No. 1,115,464; Oct. 27; Gaz. vol. 207; p. 1203.
- Fourneaux, Emile A., assignor to Calico Printers' Association Limited, Manchester, England. Printing viscose on textile fabrics. No. 1,087,938; Feb. 24; Gaz. vol. 199; p. 962.
- Fournet, Edmund M., St. Martinville, La. Machine for digging and cleaning ditches. No. 1,095,097; Apr. 28; Gaz. vol. 201; p. 1149.
- Fournet, Oswald A., and S. S. Le Blanc, New Orleans, La. Store-goods lifter. No. 1,087,649; Feb. 17; Gaz. vol. 199; p. 819.
- Fournia, John, assignor of one-half to F. R. Greene, Albany, N. Y. Pump. No. 1,099,977; June 16; Gaz. vol. 203; p. 631.
- Fourt, Frank, Fairfield, Iowa. Blow-out holder. No. 1,120,045; Dec. 8; Gaz. vol. 209; p. 430.
- Foust, T. M. (See Hollis, Ezra, assignor.)
- Foutch, Millard S., Kearney, Nebr. Beet harvesting and topping machine. No. 1,099,978; June 16; Gaz. vol. 203; p. 631.
- Fouts, Cyrus E., assignor of one-half to F. E. Hartz, Wyoming, Ill. Device for preventing back-firing. No. 1,105,556; July 28; Gaz. vol. 204; p. 1295.
- Fouts, Samuel E. (See McCaskey and Fouts.)
- Fouyer, Joseph F., Marseille, France. Antiseptic case for tooth-brushes. No. 1,107,280; Aug. 18; Gaz. vol. 205; p. 683.
- Fowler, Alfred B., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole rounding and channeling machine. No. 1,118,484; Nov. 24; Gaz. vol. 208; p. 1175.
- Fowler, Alvah W., Thrifty, Tex. Hame-fastener. No. 1,102,032; June 30; Gaz. vol. 203; p. 1448.
- Fowler Car Company, The. (See Fowler, William E., Sr., assignor.)
- Fowler Car Company, The. (See Murray, Charles F., assignor.)
- Fowler, Charles R. (See Wolfe, Fowler, Schroeder, and Mappett.)
- Fowler, Charles W., Lyndon, Ky. Valve for internal-combustion engines. No. 1,117,020; Nov. 10; Gaz. vol. 208; p. 580.
- Fowler, D'Roy F., Melrose Park, Pa. Making padding. No. 1,108,354; Aug. 25; Gaz. vol. 205; p. 1108.
- Fowler, Edward J., San Francisco, Cal., assignor to General Chemical Company, New York, N. Y. Shaft for roasting-furnaces. No. 1,100,426; June 16; Gaz. vol. 203; p. 788.
- Fowler, Fred O. B., Groveland, Mass. Paper-hanger's board. No. 1,104,790; July 28; Gaz. vol. 204; p. 1027.
- Fowler, Gordon F., Oak Park, assignor to Sears, Roebuck & Company, Chicago, Ill. Elastic bearing for centrifugal machines. No. 1,111,372; Sept. 22; Gaz. vol. 206; p. 1010.
- Fowler, Henry R., Alameda, assignor to Van Devere Manufacturing Company, Healdsburg, Cal. Hanger for clothes and the like. No. 1,095,323; May 5; Gaz. vol. 202; p. 51.
- Fowler, John F. (See Dempsey, Charles A., assignor.)
- Fowler, Lewis D., Oklahoma, Okla. Nail. No. 1,099,172; June 9; Gaz. vol. 203; p. 317.
- Fowler, Preston L., and J. S. McClea, New York, N. Y., assignors to P. Lorillard Company, Jersey City, N. J. Machine for applying mouthpiece material to cigarettes. No. 1,087,874; Feb. 17; Gaz. vol. 199; p. 892.
- Fowler, Roy E., and E. L. Vermilya, Fremont, Ohio. Machine for topping and digging beets. No. 1,091,823; Mar. 31; Gaz. vol. 200; p. 1245.
- Fowler, Rufus B., Worcester, Mass. Piano-action. No. 1,089,123; Mar. 3; Gaz. vol. 200; p. 155.
- Fowler, William, et al. (See Waid, James F., assignor.)
- Fowler, William E., Sr., assignor to The Fowler Car Company, Chicago, Ill. Car side. No. 1,093,839; Apr. 21; Gaz. vol. 201; p. 660.
- Fowler, William E., Sr., assignor to The Fowler Car Company, Chicago, Ill. Boltless car side. No. 1,093,840; Apr. 21; Gaz. vol. 201; p. 660.
- Fowler & Wolfe Manufacturing Company. (See Wolfe, Fowler, Schroeder, and Mappett, assignors.)
- Fox, Ansley H., Philadelphia, Pa., assignor to Automobile Development Company. Vehicle-spring. No. 1,105,971; Aug. 4; Gaz. vol. 205; p. 135.

Alphabetical list of patentees—Continued.

- Fox, Arthur O., and R. R. Bates, assignors to General Purification Company, Madison, Wis. Device for treating liquids. No. 1,114,874; Oct. 27; Gaz. vol. 207; p. 998.
- Fox, Arthur O., and R. R. Bates, assignors to General Purification Company, Madison, Wis. Treating liquids. No. 1,114,875; Oct. 27; Gaz. vol. 207; p. 999.
- Fox, Austen H., New York, N. Y. Railway-vehicle magnet and roadway therefor. No. 1,088,814; Mar. 3; Gaz. vol. 200; p. 47.
- Fox, Austen H., New York, and A. W. Lenderoth, Stapleton, N. Y. Automatic reversing-switch. No. 1,103,405; July 14; Gaz. vol. 204; p. 456.
- Fox, Charles B., Providence, R. I. Projectile. No. 1,091,922; Mar. 31; Gaz. vol. 200; p. 1279.
- Fox, Charles H., Cincinnati, Ohio. Pump. No. 1,091,496; Mar. 31; Gaz. vol. 200; p. 1131.
- Fox, Charles H., Bakersfield, Cal. Pump. No. 1,103,190; July 14; Gaz. vol. 204; p. 386.
- Fox, Charles J. (See Fearon, James J., assignor.)
- Fox, Charles J., and W. E. Scott, Providence, R. I., assignors to The C. J. Fox Company. Display device. No. 1,117,655; Nov. 17; Gaz. vol. 208; p. 843.
- Fox, Charles K. (See Webster, Edwin A., assignor.)
- Fox, Ellis L., Audubon, Pa. Hedge-trimmer. No. 1,098,032; May 26; Gaz. vol. 202; p. 1109.
- Fox, Henry C., Richmond, Ind. Railway-rail joint. No. 1,092,480; Apr. 7; Gaz. vol. 201; p. 124.
- Fox, Hiram W. (See Fox, William R. and H. W.)
- Fox, Ida L., *et al.*, executors. (See Webster, Edwin A.)
- Fox, Jacob, New York, N. Y. Button. No. 1,111,452; Sept. 22; Gaz. vol. 206; p. 1037.
- Fox, James S., Jackson, Mich. Railway-rail. No. 1,091,323; Mar. 24; Gaz. vol. 200; p. 1029.
- Fox, James S., Jackson, Mich. Rail. No. 1,117,827; Nov. 17; Gaz. vol. 208; p. 905.
- Fox, John C., McKeesport, Pa. Fall-block. No. 1,091,497; Mar. 31; Gaz. vol. 200; p. 1131.
- Fox, Joseph A., New York, N. Y. Vending-machine. No. 1,091,824; Mar. 31; Gaz. vol. 200; p. 1245.
- Fox, Joseph C., Seattle, Wash. Supplemental seat attachment for motor-cycles and the like. No. 1,102,899; July 7; Gaz. vol. 204; p. 235.
- Fox, Leo, New York, N. Y. Engraver's instrument. No. 1,084,326; Jan. 13; Gaz. vol. 198; p. 385.
- Fox, Lewis J., administrator. (See Fox, William C.)
- Fox, Lloyd L., Lowell, Me., assignor of one-third to H. A. Wheeler, Newton, Mass., and one-third to N. C. Fogg, Lowell, Me. Horseshoe-calk. No. 1,111,891; Sept. 29; Gaz. vol. 206; p. 1231.
- Fox, Richard, McKees Rocks, Pa. Wheeled toy. No. 1,120,470; Dec. 8; Gaz. vol. 209; p. 581.
- Fox, Samuel A., Hampstead, London, England. Adjustable reamer. No. 1,117,946; Nov. 17; Gaz. vol. 208; p. 944.
- Fox, Thomas A., Newark, N. J., assignor to The Steffens-Amberg Co. Rosette for bridles. No. 1,103,576; July 14; Gaz. vol. 204; p. 518.
- Fox, Thomas S., Brooklyn, N. Y. Printing apparatus. No. 1,086,521; Feb. 10; Gaz. vol. 199; p. 374.
- Fox, William C., deceased; L. J. Fox, administrator, San Francisco, Cal. Gold-saving device. No. 1,092,524; Apr. 7; Gaz. vol. 201; p. 139.
- Fox, William H., Minneapolis, Minn. Shirt. No. 1,119,589; Dec. 1; Gaz. vol. 209; p. 238.
- Fox, William R., Grand Rapids, Mich. Key cap or button for type-writing machines. No. 1,087,650; Feb. 17; Gaz. vol. 199; p. 819.
- Fox, William R., Grand Rapids, Mich. Universal joint. No. 1,096,235; May 12; Gaz. vol. 202; p. 397.
- Fox, William R., Grand Rapids, Mich. Universal joint. No. 1,108,567; Aug. 25; Gaz. vol. 205; p. 1183.
- Fox, William R. and H. W., Grand Rapids, Mich. Scale and scale attachment for type-writing machines. No. 1,096,234; May 12; Gaz. vol. 202; p. 397.
- Foxboro Company, The. (See Bristol, Edgar H., assignor.)
- Foxboro Company, The. (See Goodyear, Watson E., assignor.)
- Foxworth, F. G. (See Adams, Benjamin F., assignor.)
- Foye, John, H. E. Moore, and R. Boyle, assignors to Refractory Ores, Limited, Johannesburg, Transvaal, South Africa. Treatment of refractory ores. No. 1,113,323; Oct. 13; Gaz. vol. 207; p. 360.
- Foyer Brothers & Company, The. (See Foyer, Melvin J., assignor.)
- Foyer, Melvin J., assignor to The Foyer Brothers & Company, Toledo, Ohio. Push-handle for go-carts and the like. No. 1,093,322; Apr. 14; Gaz. vol. 201; p. 447.
- Fraaz, Joseph M. (See Sholes and Fraaz.)
- Fraenkell & Haskell Art Company, The. (See Haskell, Samuel I., assignor.)
- Frager, Alphonse J. (See Gibaudan and Frager.)
- Frakes, Charles H., Bertrand, Nebr. Tongs. No. 1,119,419; Dec. 1; Gaz. vol. 209; p. 180.
- Fram, Robert S., Vandalia, Ill. Beating-engine. No. 1,103,280; July 14; Gaz. vol. 204; p. 416.
- Frambach, Mathew J., and A. R. Corrington, Hartley, assignors of one-sixth to T. V. Garvin, Des Moines, Iowa. Antislipping device. No. 1,096,101; May 12; Gaz. vol. 202; p. 351.
- Frame, James. (See Black and Frame.)
- Frame, Leland A., Coalinga, Cal. Fluid-gage. No. 1,103,750; July 14; Gaz. vol. 204; p. 579.
- Frame, Robert E., Michigan City, Ind. Draft-gear. No. 1,093,392; Apr. 14; Gaz. vol. 201; p. 471.
- Frame, Robert E., and W. H. De Graff, assignors to Haskell & Barker Car Company, Michigan City, Ind. Dump-car. No. 1,111,532; Sept. 22; Gaz. vol. 206; p. 1065.
- Frame, William J., Carmunhook, and H. L. Galloway, Kilmacollm, assignors to Saveoil Creosoting Machine Company, Limited, Glasgow, Scotland. Apparatus for impregnating porous material. No. 1,104,488; July 21; Gaz. vol. 204; p. 874.
- Frampton, Reynolds C., Pittsburgh, Pa. Burner. No. 1,086,150; Feb. 3; Gaz. vol. 199; p. 203.
- France, Robert N., assignor of one-half to E. B. Mott, Oswego, N. Y. Waste-collector for carding-machines. No. 1,108,070; Aug. 18; Gaz. vol. 205; p. 961.
- Francis, Eugene D. and J. D., Oakland, Cal. Aeroplane. No. 1,083,394; Jan. 6; Gaz. vol. 198; p. 45.
- Francis, Jacob A., Indianapolis, Ind. Match-safe. No. 1,086,285; Feb. 3; Gaz. vol. 199; p. 246.
- Francis, John D. (See Francis, Eugene D. and J. D.)
- Francis, Joseph M., Providence, R. I. Buoy. No. 1,119,817; Dec. 8; Gaz. vol. 209; p. 351.
- Francis Keil & Son. (See Kade, Bertha, assignor.)
- Francis, Mary J., and A. Moffett, Galeton, Pa. Metallic railway-tie. No. 1,116,261; Nov. 3; Gaz. vol. 208; p. 270.
- Francis, Raymond J., Gibbon, Nebr. Hay loader and stacker. No. 1,121,821; Dec. 22; Gaz. vol. 209; p. 1136.
- Francis, W. R., *et al.* (See Thomas, Martin E., assignor.)
- Francis, William C., Bristol Center, N. Y. Fertilizer-distributor. No. 1,090,293; Mar. 17; Gaz. vol. 200; p. 646.
- Francisco, Charles. (See Simmons and Francisco.)
- Franck, Léon, Luxembourg, Luxembourg. Production of coke. No. 1,098,359; May 26; Gaz. vol. 202; p. 1222.
- Franckaerts, Emile, San Francisco, Cal. Door-holder. No. 1,100,475; June 16; Gaz. vol. 203; p. 804.
- Francke Company, The. (See Francke, William J., assignor.)
- Francke, William J., assignor to The Francke Company, New Brunswick, N. J. Flexible coupling. No. 1,115,299; Oct. 27; Gaz. vol. 207; p. 1148.
- Franek, Albert J. (See Lesko, James F., assignor.)
- Frangopolu, Constantine C., assignor to W. H. Kent, San Francisco, Cal. Decarbonizing-liquid injector and auxiliary air control. No. 1,109,914; Sept. 8; Gaz. vol. 206; p. 415.
- Frank Adam Electric Company. (See Adam, Fredrick B., assignor.)
- Frank Adam Electric Company. (See Adam and Arens, assignors.)
- Frank, Albert R., Halensee, near Berlin, Germany. Producing hydrogen. No. 1,107,926; Aug. 18; Gaz. vol. 205; p. 910.
- Frank B. Cook Company. (See Bals, Charles A., assignor.)
- Frank B. Cook Company. (See Cook, Frank B., assignor.)
- Frank B. Cook Company. (See Corwin, Elmer R., assignor.)
- Frank B. Cook Company. (See Johnson, Morton L., assignor.)
- Frank B. Cook Company. (See Newburn, Charles C., assignor.)
- Frank, Beecher, assignor to The Simplex Awning Company, Chicago, Ill. Awning. No. 1,114,599; Oct. 20; Gaz. vol. 207; p. 848.
- Frank, Fredrick W., Rocky Mount, N. C. Flue-expander. No. 1,111,650; Sept. 22; Gaz. vol. 206; p. 1107.
- Frank, Fredrick W., Chicago, Ill. Fire-door. No. 1,120,189; Dec. 8; Gaz. vol. 209; p. 481.
- Frank, Henry, Jr. (See Stewart, John H., assignor.)
- Frank Holton & Company. (See Stacy, Charles E., assignor.)
- Frank, Isidor. (See Buchwald, Alexander, assignor.)
- Frank, Jerome W., New York, N. Y. Coating process. No. 1,110,765; Sept. 15; Gaz. vol. 206; p. 757.
- Frank, John, Brooklyn, N. Y. Shoe and the like. No. 1,116,051; Nov. 3; Gaz. vol. 208; p. 200.
- Frank, John J., Pittsfield, Mass., assignor to General Electric Company. System of electrical distribution. No. 1,112,283; Sept. 29; Gaz. vol. 206; p. 1362.
- Frank, Julius D., and A. D. Huard, Alpena, Mich. Internal-combustion engine. No. 1,103,497; July 14; Gaz. vol. 204; p. 488.
- Frank, Leopold A., Wembley Park, England. Collapsible and extensible trunk and the like. No. 1,119,503; Dec. 1; Gaz. vol. 209; p. 208.
- Frank M. Randall Mfg. Corporation. (See Stern, Philip K., assignor.)
- Frank Mossberg Company. (See Mossberg, Frank, assignor.)
- Frank, Norbert, Forst, Lusatia, Germany. Feeding device for horsehair-spinning machines. No. 1,095,098; Apr. 28; Gaz. vol. 201; p. 1149.
- Frank, Otto, and O. Fincke, Berlin, Germany. Making nitrogen compounds. No. 1,101,424; June 23; Gaz. vol. 203; p. 1184.
- Frank, Richard T. (See Hopkins and Frank.)

Alphabetical list of patentees—Continued.

- Frank Tilk Ornamental Iron Works Co. (See Wight, Thomas, assignor.)
- Frank, Vincent, assignor to Shaftless Speedometer Company, Chicago, Ill. Actuating mechanism. No. 1,084,621; Jan. 20; Gaz. vol. 198; p. 510.
- Frank, William J., St. Louis, Mo. Clothes-pounder. No. 1,092,640; Apr. 7; Gaz. vol. 201; p. 179.
- Franke, Emil, New York, N. Y. Easel for printing-frames and photographic enlargements. No. 1,113,549; Oct. 13; Gaz. vol. 207; p. 441.
- Franke, Frederick W., assignor of one-third to M. P. Van Ness and one-third to E. A. Weidlich, Jr., Jamaica, N. Y. Removable valve-insulation casing. No. 1,108,840; Aug. 25; Gaz. vol. 205; p. 1276.
- Franke, Paul E. (See Streich and Franke.)
- Franke, Theodor, London, England. Apparatus for heating material containing liquid. No. 1,083,879; Jan. 6; Gaz. vol. 198; p. 201.
- Frankenheim, Aaron. (See Crowe and Frankenheim.)
- Frankforter, George B. (See Hovland and Frankforter.)
- Franklin, Arthur H., Traverse City, Mich. Step-ladder. No. 1,087,286; Feb. 17; Gaz. vol. 199; p. 690.
- Franklin, Benjamin, Chicago, Ill. Window-guard. No. 1,110,678; Sept. 15; Gaz. vol. 206; p. 728.
- Franklin, Edward J., Salt Lake City, Utah. Atomizer. No. 1,102,033; June 30; Gaz. vol. 203; p. 1449.
- Franklin, Edward J., Salt Lake City, Utah. Atomizer. No. 1,102,034; June 30; Gaz. vol. 203; p. 1449.
- Franklin Knitting Mills. (See Kellner and Werms, assignors.)
- Franklin Manufacturing Company. (See Evans, Richard J., assignor.)
- Franklin Railway Supply Company. (See Elvin and Martin, assignors.)
- Franklin, Virgil E., Graymont, Ga. Land-marker. No. 1,092,346; Apr. 7; Gaz. vol. 201; p. 77.
- Franklin, William H., Red Lodge, Mont. Culvert. No. 1,120,471; Dec. 8; Gaz. vol. 209; p. 581.
- Franklin, William S., South Bethlehem, Pa. Pump. No. 1,101,266; June 23; Gaz. vol. 203; p. 1130.
- Frankovich, George, Anaconda, Mont. Railway-rail sleeper and fastener. No. 1,113,767; Oct. 13; Gaz. vol. 207; p. 516.
- Franks, Charles H. (See Roesel and Franks.)
- Franks, Orrin G., assignor to W. J. Rouse, Williamsport, Pa. Folding sheet-metal box. No. 1,113,608; Oct. 13; Gaz. vol. 207; p. 460.
- Franquist, Gustave E., New Brunswick, N. J. Distance-rod for automobiles. No. 1,094,140; Apr. 21; Gaz. vol. 201; p. 760.
- Frantz, Albert K., Flourtown, Pa. Adjustable level attachment. No. 1,093,775; Apr. 21; Gaz. vol. 201; p. 637.
- Frantz, Charles T., assignor to F. P. Gorin, Chicago, Ill. Type-writing machine. No. 1,118,338; Nov. 24; Gaz. vol. 208; p. 1121.
- Frantz, Charles T., assignor to F. P. Gorin, Chicago, Ill. Type-writing machine. No. 1,118,339; Nov. 24; Gaz. vol. 208; p. 1121.
- Frantz, Edmund, Enid, Okla. Post. No. 1,091,741; Mar. 31; Gaz. vol. 200; p. 1215.
- Frantz, John R. (See Kuebler and Frantz.)
- Frantz, Frank, assignor of one-half to E. R. Day, Wallace, Idaho. Head-motion. No. 1,089,633; Mar. 10; Gaz. vol. 200; p. 377.
- Franz, John H., Baltimore, Md. Tool-holder. No. 1,108,733; Aug. 25; Gaz. vol. 205; p. 1239.
- Franz, Kuno. (See Loebel and Franz.)
- Franz, Paul L., West New York, N. J. Awning-fixture. No. 1,095,201; May 5; Gaz. vol. 202; p. 10.
- Franz Schmidt & Haensch. (See Bechstein, Walter, assignor.)
- Franzel, Otto T., Cummings, Kans. Reversible plow. No. 1,087,359; Feb. 17; Gaz. vol. 199; p. 715.
- Franzen, John E., Chicago, Ill. Marble-shooter. No. 1,112,780; Oct. 6; Gaz. vol. 207; p. 129.
- Franzmann, Peter A. (See Waller, Charles W., assignor.)
- Frary, Edward N. and E. A., South Deerfield, Mass. Electrical switch and valve-controlling device. No. 1,116,262; Nov. 3; Gaz. vol. 208; p. 270.
- Frary, Ernest A. (See Frary, Edward N. and E. A.)
- Frary, Robert S., and W. W. Macfarren, Pittsburgh, Pa. Sash-holder. No. 1,102,489; July 7; Gaz. vol. 204; p. 94.
- Frasch, Elizabeth B., *et al.*, executrices. (See Frasc, Herman.)
- Frasc, Herman, deceased, Cleveland, Ohio; E. Frasc, New York, and F. F. Whiton, Hempstead, N. Y., executrices. Process of and apparatus for rolling iron rods. No. 1,118,275; Nov. 24; Gaz. vol. 208; p. 1098.
- Frasc, Herman, deceased; E. B. Frasc, New York, and F. F. Whiton, Hewlett, N. Y., executrices. Manufacture of gases and gaseous atmospheres of non-oxidizing character. No. 1,118,899; Nov. 24; Gaz. vol. 208; p. 1314.
- Fraschini, Oreste, Milan, Italy. Vehicle-brake. No. 1,103,751; July 14; Gaz. vol. 204; p. 579.
- Frascola, Antonio D., El Reno, Okla. Sole-edge trimming and finishing tool. No. 1,094,551; Apr. 28; Gaz. vol. 201; p. 958.
- Fraser, Donald, assignor to Chain Belt Company, Milwaukee, Wis. Loader for concrete-mixers and similar machines. No. 1,109,915; Sept. 8; Gaz. vol. 206; p. 416.
- Fraser, Donald, assignor to Chain Belt Company, Milwaukee, Wis. Chain for conveyers. No. 1,119,262; Dec. 1; Gaz. vol. 209; p. 124.
- Fraser, Ethelbert M., Yonkers, N. Y. Electric motor. No. 1,094,711; Apr. 28; Gaz. vol. 201; p. 1018.
- Fraser, Ethelbert M., Yonkers, N. Y., assignor, by mesne assignments, to General Elevator Company, Jersey City, N. J. Electric elevator system. No. 1,093,583; Apr. 14; Gaz. vol. 201; p. 529.
- Fraser, Ethelbert M., Yonkers, N. Y., assignor, by mesne assignments, to General Elevator Company, Jersey City, N. J. Electric elevator system. (Reissue.) No. 13,806; Oct. 13; Gaz. vol. 207; p. 576.
- Fraser, George. (See Sillix, Frank, assignor.)
- Fraser, Ira E. (See Fraser, James A., I. E., and W. R.)
- Fraser, James A., I. E., and W. R., Mitchell, S. D. Steering device for traction-engines. No. 1,097,174; May 19; Gaz. vol. 202; p. 764.
- Fraser, John, Hackensack, N. J. Machine for edging metal plates. No. 1,109,521; Sept. 1; Gaz. vol. 206; p. 232.
- Fraser, John, Hackensack, N. J. Machine for forming sheet-metal pipes. No. 1,109,522; Sept. 1; Gaz. vol. 206; p. 233.
- Fraser, Russell, East Hampton, N. Y. Spool-holder. No. 1,112,692; Oct. 6; Gaz. vol. 207; p. 101.
- Fraser, William A., Georgetown, Ontario, Canada. Tap. No. 1,097,416; May 19; Gaz. vol. 202; p. 848.
- Fraser, William A., Georgetown, Ontario, Canada. Pressure flushing device for closets. No. 1,099,032; June 2; Gaz. vol. 203; p. 227.
- Fraser, William A., Georgetown, Ontario, Canada. Flushing-tank. No. 1,110,432; Sept. 15; Gaz. vol. 206; p. 640.
- Fraser, William A., Georgetown, Ontario, Canada. Flushing system. No. 1,110,620; Sept. 15; Gaz. vol. 206; p. 707.
- Fraser, William R. (See Fraser, James A., I. E., and W. R.)
- Frasier, Emory M., assignor of one-third to G. B. Seaman and one-third to A. D. Seaman, San Francisco, Cal. Elevator-door safety device. No. 1,106,294; Aug. 4; Gaz. vol. 205; p. 243.
- Frasier, Warren, Philadelphia, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Work-support. No. 1,117,178; Nov. 17; Gaz. vol. 208; p. 674.
- Frassier, Leon, Paris, France. Light-projecting device. No. 1,101,172; June 23; Gaz. vol. 203; p. 1098.
- Fratarcangeli, Giuseppe and P., Frosinone, Italy. Hardening or mummification of human and animal bodies and their organs. No. 1,088,977; Mar. 3; Gaz. vol. 200; p. 105.
- Fratarcangeli, Pietro. (See Fratarcangeli, Giuseppe and P.)
- Frates, Thomas L., Livermore, Cal. Internal-combustion engine. No. 1,109,982; Sept. 8; Gaz. vol. 206; p. 440.
- Frauchiger, Arnold, San Francisco, Cal. Direction-indicator. No. 1,103,498; July 14; Gaz. vol. 204; p. 488.
- Frawley, James B., Pittsfield, assignor to Pittsfield Spark Coil Company, Dalton, Mass. Timer and distributor for electrical ignition purposes. No. 1,123,121; Dec. 29; Gaz. vol. 209; p. 1627.
- Fray, Peter, Tampa, Fla. Molding-flask. No. 1,110,679; Sept. 15; Gaz. vol. 206; p. 728.
- Frazee, Ralph C., East Hampton, N. Y. Clamp. No. 1,112,781; Oct. 6; Gaz. vol. 207; p. 130.
- Frazier, Charles, Chicago, Ill. Interchangeable crank-hanger. No. 1,100,365; June 16; Gaz. vol. 203; p. 766.
- Frazier, George N., Eugene, Oreg. Take-down cook-range. No. 1,097,417; May 19; Gaz. vol. 202; p. 848.
- Frazier, Thomas H. (See Walker, James F., assignor.)
- Frazier, William J., New York, N. Y. Automatic valve. No. 1,117,993; Nov. 24; Gaz. vol. 208; p. 1001.
- Frazier, William S., Altavista, Va. Window-sash. No. 1,083,820; Jan. 6; Gaz. vol. 198; p. 184.
- Frear, Hugo P., San Francisco, Cal., assignor to Bethlehem Steel Corporation, South Bethlehem, Pa. Ore, bulk or dense cargo carrier. No. 1,111,740; Sept. 29; Gaz. vol. 206; p. 1172.
- Freas, Samuel T., Trenton, N. J., assignor to Henry Diss-ton & Sons, Incorporated, Philadelphia, Pa. Swage-shaper for saw-teeth. No. 1,115,300; Oct. 27; Gaz. vol. 207; p. 1149.
- Freas, Thomas B., New York, N. Y. Mercury-tube switch. No. 1,118,900; Nov. 24; Gaz. vol. 208; p. 1314.
- Freas, Thomas B., East Orange, N. J., assignor to V. Weber & Company, Chicago, Ill. Thermal relay. No. 1,111,789; Sept. 29; Gaz. vol. 206; p. 1192.
- Frech, Theodore W., Jr., Cleveland, Ohio, assignor to General Electric Company. Tungsten manufacture. No. 1,089,757; Mar. 10; Gaz. vol. 200; p. 420.
- Fred H. Knapp Company, The. (See Knapp, Frederick H., assignor.)
- Fred H. Knapp Company. (See Knapp and Blackstone, assignors.)
- Fred M. Prescott Steam Pump Company. (See Prescott and Worden, assignors.)
- Fred Medart Manufacturing Company. (See Medart, Philip S., assignor.)
- Frede, Charles F. (See Westlake and Frede.)

Alphabetical list of patentees—Continued.

- Frede, Charles F., assignor to Commonwealth Steel Company, St. Louis, Mo. Railway-car underframe. No. 1,091,324; Mar. 24; Gaz. vol. 200; p. 1029.
- Frede, Charles F., assignor to Commonwealth Steel Company, St. Louis, Mo. Body-bolster for tank-cars. No. 1,120,923; Dec. 15; Gaz. vol. 209; p. 789.
- Frede, Charles F., assignor to Double Body Bolster Company, St. Louis, Mo. Support for axle-driven light-generators. No. 1,105,265; July 28; Gaz. vol. 204; p. 1192.
- Frederick, Andrew, Harmony, Pa. Tractor. No. 1,089,698; Mar. 10; Gaz. vol. 200; p. 399.
- Frederick, Charles E., Tombstone, Ariz. Pole-scaffold. No. 1,098,945; June 2; Gaz. vol. 203; p. 200.
- Frederick, Clarence H. (See Gail and Frederick.)
- Frederick, Edward P., and H. Niemeier, assignors to J. D. Bascom, St. Louis, Mo. Wire-rope clamp. No. 1,117,656; Nov. 17; Gaz. vol. 208; p. 843.
- Frederick, Francis J. C., Jersey City, N. J. Automatic winder for spring-motors. No. 1,114,457; Oct. 20; Gaz. vol. 207; p. 800.
- Frederick, Harry A. (See Dale and Frederick.)
- Frederick, Jeremiah G., Garrison, Tex. Cultivator. No. 1,086,761; Feb. 10; Gaz. vol. 199; p. 459.
- Frederick, John H., Casper, Wyo. Funnel. No. 1,107,774; Aug. 18; Gaz. vol. 205; p. 860.
- Frederick Post Company. (See Magnus, John J., assignor.)
- Frederick Stearns & Company. (See Ohliger, Willard, assignor.)
- Fredericks, George A., New York, N. Y. Attachment for smoking-pipes. No. 1,118,276; Nov. 24; Gaz. vol. 208; p. 1098.
- Frederickson, Albert, and N. Nielsen, New England, N. D. Flax and grass seed harvester attachment for mowing-machines. No. 1,099,495; June 9; Gaz. vol. 203; p. 429.
- Frederickson, Clayton E., San Francisco, assignor of one-half to G. C. Stenger, Berkeley, Cal. Rotary-cylinder engine. No. 1,088,017; Feb. 24; Gaz. vol. 199; p. 991.
- Frederickson, Clayton E., assignor of one-half to W. H. Stenger, San Francisco, Cal. Gas-engine. No. 1,094,431; Apr. 28; Gaz. vol. 201; p. 915.
- Frederiksen, Johan D., Little Falls, N. Y. Composition for producing lactic food products. No. 1,091,054; Mar. 24; Gaz. vol. 200; p. 939.
- Fredrickson, Walter, Porterville, Cal. Hand-protector. No. 1,092,207; Apr. 7; Gaz. vol. 201; p. 29.
- Free, William Y., Carr, assignor of one-half to G. F. Tucker, Blountstown, Fla. Duplex hay-press. No. 1,102,983; July 7; Gaz. vol. 204; p. 263.
- Freeble, Thomas M., Rochester, assignor of one-half to R. Kaufmann, Pittsburgh, Pa. Brake. No. 1,122,582; Dec. 29; Gaz. vol. 209; p. 1437.
- Freeborn, Sidney M., San Antonio, Tex. Dirigible automobile-lamp. No. 1,097,087; May 19; Gaz. vol. 202; p. 735.
- Freechtie, Frank W., *et al.* (See Block, Abraham, assignor.)
- Freed, Edward, assignor to Railway Safety Appliance Company, Inc., Seattle, Wash. Railway safety and signal device. No. 1,114,977; Oct. 27; Gaz. vol. 207; p. 1034.
- Freed, Mendel, Minneapolis, Minn. Fire-escape. No. 1,087,440; Feb. 17; Gaz. vol. 199; p. 744.
- Freedman, Hyman and N. M., Chicago, Ill. Davenport-bed. No. 1,108,983; Sept. 1; Gaz. vol. 206; p. 44.
- Freedman, Nathan M. (See Freedman, Hyman and N. M.)
- Freedman, William, Brooklyn, N. Y. Detachable and reversible collar for blouses. No. 1,113,977; Oct. 20; Gaz. vol. 207; p. 628.
- Freeland, Frank A., Uniontown, Mo. Haystack-cover. No. 1,092,707; Apr. 7; Gaz. vol. 201; p. 201.
- Freely, Peter M., New York, N. Y. Life-saving apparatus. No. 1,116,582; Nov. 10; Gaz. vol. 208; p. 426.
- Freeman, Arthur P., *et al.*, trustees. (See Deray, Jean F., assignor.)
- Freeman, Edgar H., Trenton, N. J. Cap and shell fastening for lamp-socket casings. No. 1,090,527; Mar. 17; Gaz. vol. 200; p. 729.
- Freeman, Edgar H., Trenton, N. J. Cap and shell fastening for lamp-socket casings. No. 1,096,422; May 12; Gaz. vol. 202; p. 461.
- Freeman, Edgar H., assignor to E. H. Freeman Electric Company, Trenton, N. J. Electrical border-light receptacle. No. 1,090,528; Mar. 17; Gaz. vol. 200; p. 730.
- Freeman, Edgar H., assignor to E. H. Freeman Electric Company, Trenton, N. J. Pull-chain guide. No. 1,096,421; May 12; Gaz. vol. 202; p. 461.
- Freeman, Edgar H., assignor to E. H. Freeman Electric Company, Trenton, N. J. Electrical junction-box. No. 1,120,472; Dec. 8; Gaz. vol. 209; p. 582.
- Freeman, Ernest B., Dedham, assignor to B. F. Sturtevant Company, Boston, Mass. Air-heater. No. 1,083,395; Jan. 6; Gaz. vol. 198; p. 46.
- Freeman, Frank A., Overbrook, Pa., assignor to Pioneer Suspender Company. Garter-package. (Reissue.) No. 1,370,1; Mar. 17; Gaz. vol. 200; p. 830.
- Freeman, George M., Boston, Mass. Envelop-addressing attachment for type-writers. No. 1,085,900; Feb. 3; Gaz. vol. 199; p. 113.
- Freeman, George T. T., Southsea, England. Pneumatic heel for boots and shoes. No. 1,114,685; Oct. 20; Gaz. vol. 207; p. 877.
- Freeman, Laban T., Brookville, Miss. Educational appliance. No. 1,093,690; Apr. 21; Gaz. vol. 201; p. 611.
- Freeman, Lewis D., Pittsburg, Kans. Boiler. No. 1,089,758; Mar. 10; Gaz. vol. 200; p. 420.
- Freeman, Louis G., Cincinnati, Ohio, assignor to United Shoe Machinery Company, Paterson, N. J. Heel-seat-jointing machine. (Reissue.) No. 13,799; Sept. 15; Gaz. vol. 206; p. 838.
- Freeman, Louis G., Cincinnati, Ohio, assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,113,114; Oct. 6; Gaz. vol. 207; p. 242.
- Freeman, Ray, Santa Barbara, Cal. Disappearing shower-bath. No. 1,095,837; May 5; Gaz. vol. 202; p. 227.
- Freeman, Rufus A., Flushing, assignor to The Autopress Company, New York, N. Y. Sheet-feeding machine. No. 1,087,533; Feb. 17; Gaz. vol. 199; p. 776.
- Freeman, Victor E., New York, N. Y. Pneumatic tire. No. 1,117,994; Nov. 24; Gaz. vol. 208; p. 1002.
- Freeman, William A., Shreveport, La. Combined heating and cooling apparatus. No. 1,117,657; Nov. 17; Gaz. vol. 208; p. 844.
- Freeman, William B. (See McElroy and Freeman.)
- Freeman, William M. (See Hutson, William A., assignor.)
- Freemyer, Walter, *et al.* (See Dutchman, John, assignor.)
- Freeny, Olin, Carthage, Miss. Bridge. No. 1,098,243; May 26; Gaz. vol. 202; p. 1180.
- Freer, Phelps M., Detroit, Mich. Vaporizer and carbureter. No. 1,106,935; Aug. 11; Gaz. vol. 205; p. 516.
- Freer, Robert, and S. Greer, assignors to Safety Engineering Company, Providence, R. I. Valve for controlling fluid-pressure. No. 1,083,358; Jan. 6; Gaz. vol. 198; p. 33.
- Freer, Robert, and S. Greer, assignors to Safety Engineering Company, Providence, R. I. Safety device for elevators. No. 1,122,497; Dec. 29; Gaz. vol. 209; p. 1407.
- Freer, Stephen A., El Monte, Cal. Leather-punch for pliers. No. 1,105,129; July 28; Gaz. vol. 204; p. 1144.
- Freet, William O., Hackensack, N. J., assignor to Steynis Ozone Company. Ozone-generator. No. 1,085,598; Feb. 3; Gaz. vol. 199; p. 7.
- Freeto, George L., Mechanicsburg, Ill. Acetylene-generator. No. 1,117,995; Nov. 24; Gaz. vol. 208; p. 1002.
- Freiberg, Oskar, Gautzsch, near Leipzig, Germany. Sparking plug. No. 1,106,703; Aug. 11; Gaz. vol. 205; p. 434.
- Freidag, William F., assignor to Stover Engine Works, Freeport, Ill. Manual control for the fuel-supply of internal-combustion engines. No. 1,113,768; Oct. 13; Gaz. vol. 207; p. 517.
- Freihofer, Charles, Philadelphia, Pa. Device for transferring dough. No. 1,092,034; Mar. 31; Gaz. vol. 200; p. 1314.
- Freisinger, John M. (See Hartmann, William C., assignor.)
- French, Alfred W. (See Faherty, Michael W., assignor.)
- French, Alfred W., Piqua, Ohio. Gate-operating mechanism for meal-cookers and the like. No. 1,091,055; Mar. 24; Gaz. vol. 200; p. 939.
- French, Alfred W., Piqua, Ohio. Treating cotton-seed. No. 1,121,913; Dec. 22; Gaz. vol. 209; p. 1169.
- French, Belle T., executrix. (See French, George B.)
- French, Edmund L., and G. W. Stephenson, Syracuse, N. Y., assignors to Crucible Steel Company of America, Pittsburgh, Pa. Grinding and polishing machine. No. 1,111,254; Sept. 22; Gaz. vol. 206; p. 970.
- French, Edward H., Dayton, and J. R. Withrow, Columbus, Ohio. Producing acetic acid. No. 1,104,978; July 28; Gaz. vol. 204; p. 1093.
- French, Elmer C., Dallas, and T. E. Craig, McKinney, Tex. Smoke-stack protector. No. 1,090,389; Mar. 17; Gaz. vol. 200; p. 679.
- French, Frank H., Preston, Iowa. Mop and brush. No. 1,110,766; Sept. 15; Gaz. vol. 206; p. 757.
- French, Frank H., Preston, Iowa. Brush or mop. No. 1,113,897; Oct. 13; Gaz. vol. 207; p. 561.
- French, Frank L., Meriden, N. H. Watch winding mechanism. No. 1,090,390; Mar. 17; Gaz. vol. 200; p. 680.
- French, G. Watson, *et al.* (See Einfeldt, Emil, assignor.)
- French, George B., *et al.* (See Coleman, Clyde, assignor.)
- French, George B., deceased, Fremont, Nebr.; B. T. French executrix. Preparing a stock food. No. 1,105,415; July 28; Gaz. vol. 204; p. 1247.
- French, H. I. (See Caldwell, Robert L., assignor.)
- French, Henry G., Schenectady, N. Y., assignor to General Electric Company. Locking device for switches. No. 1,119,590; Dec. 1; Gaz. vol. 209; p. 238.
- French, James R., Lomax, Ill. Transmission device. No. 1,091,454; Mar. 24; Gaz. vol. 200; p. 1071.
- French, Joseph, Woonsocket, R. I. Machine for applying labels or tags to articles for the laundry, &c. No. 1,085,117; Jan. 27; Gaz. vol. 198; p. 715.
- French, Joseph, Woonsocket, R. I. Detachably-secured label. No. 1,093,985; Apr. 21; Gaz. vol. 201; p. 708.
- French, Joseph, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic composing-machine. No. 1,117,487; Nov. 17; Gaz. vol. 208; p. 781.
- French, Nathaniel, *et al.* (See Einfeldt, Emil, assignor.)

Alphabetical list of patentees—Continued.

- French Oil Mill Machinery Company. (See Faherty, Michael W., assignor.)
- French, Philip R., Andover, Mass. Article of fibrous material. No. 1,084,264; Jan. 13; Gaz. vol. 198; p. 364.
- French, Robert H., Sherman, assignor of one-half to S. C. Rowe, Beverly, Cal. Safety automatic railway-switch. No. 1,103,577; July 14; Gaz. vol. 204; p. 518.
- French, Thomas, Rumford, Me. Apparatus for compensating for expansion of flow in indicating devices. No. 1,090,468; Mar. 17; Gaz. vol. 200; p. 708.
- French, William D., assignor to F. Harding, San Diego, Cal. Airship. No. 1,116,263; Nov. 3; Gaz. vol. 208; p. 271.
- Frentzen, Georg, Aachen, Germany. Attachment for car-roofs. No. 1,087,753; Feb. 17; Gaz. vol. 199; p. 853.
- Frenz, Frederick J., Allison Park, Pa. Boiler. No. 1,089,918; Mar. 10; Gaz. vol. 200; p. 475.
- Frerichs, Georg, Bonn, Germany. Tomato preserves and making the same. No. 1,119,263; Dec. 1; Gaz. vol. 209; p. 124.
- Freschl, Alfred, Detroit, Mich. Spare-tire holder. No. 1,098,103; May 26; Gaz. vol. 202; p. 1134.
- Freschl, Alfred, and J. L. Freshel, Chicago, Ill. Motor-fuel-supplying apparatus. No. 1,096,901; May 19; Gaz. vol. 202; p. 667.
- Frese, Bernard, assignor to J. Dixon, Lemoore, Cal. Oil-burner. No. 1,119,591; Dec. 1; Gaz. vol. 209; p. 239.
- Fresh, Henry, Cumberland, Md. Brake. No. 1,110,767; Sept. 15; Gaz. vol. 206; p. 757.
- Freshel, John L. (See Freschl and Freshel.)
- Freshman, Samuel. (See Davis, Oscar C., assignor.)
- Fretz, Aaron, Edmond, Okla. Speed-changing device. No. 1,112,205; Sept. 29; Gaz. vol. 206; p. 1335.
- Fretz, Samuel S., Jr. (See Hartzell, Morris H., assignor.)
- Fretz, Samuel S., Philadelphia, Pa. Umbrella and parasol handle. No. 1,101,267; June 23; Gaz. vol. 203; p. 1130.
- Fretz, Samuel S., Philadelphia, Pa. Self closing and folding umbrella. No. 1,113,769; Oct. 13; Gaz. vol. 207; p. 517.
- Freud, Joseph, Chicago, Ill. Focusing device. No. 1,121,178; Dec. 15; Gaz. vol. 209; p. 879.
- Freudenberg, Moses, St. Petersburg, Russia. Key-wheel type-writer. No. 1,095,099; Apr. 28; Gaz. vol. 201; p. 1150.
- Freund, Hans R. (See Freund, Leonhart H. and H. R.)
- Freund, Henry H., Weebawken Heights, N. J. Brewing. No. 1,119,504; Dec. 1; Gaz. vol. 209; p. 209.
- Freund, Ignatz H., assignor to Federal Cement Tile Company, Chicago, Ill. Cement-mortar or concrete roofing-tile. No. 1,089,373; Mar. 3; Gaz. vol. 200; p. 237.
- Freund, Leonhart H. and H. R., New York, N. Y. Kaleidoscopic container. No. 1,109,123; Sept. 1; Gaz. vol. 206; p. 93.
- Freund, Robert, Augsburg, Germany. Spring device for cycles and motor-cycles. No. 1,106,867; Aug. 11; Gaz. vol. 205; p. 492.
- Frey, Charles. (See Wright, Judson E., assignor.)
- Frey, Ernest H., Willoughby, Ohio. Receptacle for type-holders. No. 1,106,553; Aug. 11; Gaz. vol. 205; p. 382.
- Frey, Erwin S., Brooklyn, and F. Marriott, Wood Haven, N. Y. Cake-turner. No. 1,109,523; Sept. 1; Gaz. vol. 206; p. 233.
- Frey, Herbert H., Chicago, Ill. Automobile-horn. No. 1,088,893; Mar. 3; Gaz. vol. 200; p. 75.
- Frey, Herbert H., Chicago, Ill. Apparatus for compressing air. No. 1,108,984; Sept. 1; Gaz. vol. 206; p. 44.
- Frey, Herbert H., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carbureter. No. 1,119,076; Dec. 1; Gaz. vol. 209; p. 62.
- Frey, John A., Silver Spring, Md. Boiler and superheater. No. 1,097,542; May 19; Gaz. vol. 202; p. 890.
- Frey, John A., Sioux City, Iowa. Needle-threader for sewing machines. No. 1,122,717; Dec. 29; Gaz. vol. 209; p. 1486.
- Frey, John F., Indianapolis, Ind. Preparing dry mats for stereotyping. No. 1,093,323; Apr. 14; Gaz. vol. 201; p. 448.
- Frey, Luise, Munich, Germany. Electrically-heated waving-tongs. No. 1,095,392; May 5; Gaz. vol. 202; p. 74.
- Frey, Luise, Munich, Germany. Waving-tongs. No. 1,117,021; Nov. 10; Gaz. vol. 208; p. 581.
- Frey, Theodor, Hochdorf, Switzerland. Lifting mechanism for stamp-mills and the like. No. 1,086,151; Feb. 3; Gaz. vol. 199; p. 204.
- Frey, William J., St. Louis, Mo. Tube-expander. No. 1,106,798; Aug. 11; Gaz. vol. 205; p. 467.
- Freygang, Reinhold, Hamburg, Germany. Apparatus for separating fine-grained admixtures from slimes. No. 1,097,855; May 26; Gaz. vol. 202; p. 1045.
- Freytag, Philip F., Utica, N. Y. Combination-tool. No. 1,096,782; May 12; Gaz. vol. 202; p. 581.
- Friant, Thomas, *et al.* (See Annable, Warren W., assignor.)
- Friberg, Alrick W. A., Jamestown, N. Y. Electrical meat-block cleaner. No. 1,115,301; Oct. 27; Gaz. vol. 207; p. 1149.
- Friberg, Charles P. A., assignor to Deere & Mansur Company, Moline, Ill. Planter. No. 1,116,813; Nov. 10; Gaz. vol. 208; p. 509.
- Friberg, John G., Maiden Rock, Wis. Neck-pad. No. 1,101,425; June 23; Gaz. vol. 203; p. 1184.
- Friberg, John G., Maiden Rock, Wis. Neck-pad. No. 1,102,901; July 7; Gaz. vol. 204; p. 235.
- Friberg, John G., assignor to Adjustable Horse Collar Co., Maiden Rock, Wis. Horse-collar. No. 1,102,900; July 7; Gaz. vol. 204; p. 235.
- Frick Company. (See Beeler, Samuel E., assignor.)
- Frick, Orlando A. (See Wood and Frick.)
- Frick, Orlando C., assignor to Smalley Manufacturing Company, Manitowoc, Wis. Feeding device for feed-cutters. No. 1,108,163; Aug. 25; Gaz. vol. 205; p. 1041.
- Frick, Walther, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to General Electric Company. System for preventing shaft voltages or bearing-currents in electric machines. No. 1,100,294; June 16; Gaz. vol. 203; p. 742.
- Frick, William C., Deal Beach, N. J. Apparatus for making welded tubing. No. 1,105,764; Aug. 4; Gaz. vol. 205; p. 62.
- Frick, William C., Deal Beach, N. J. Apparatus for welding tubing. No. 1,105,765; Aug. 4; Gaz. vol. 205; p. 63.
- Fricke, John W. (See Poehlman, Henry E., assignor.)
- Fricke, William A., Chicago, Ill., assignor to Monarch Telephone Manufacturing Company, Fort Dodge, Iowa. Telephone system. No. 1,088,270; Feb. 24; Gaz. vol. 199; p. 1079.
- Fricks, William D., and H. M. Ashe, Atlanta, Ga., assignors, by mesne assignments, to Underwood Type-writer Co., New York, N. Y. Type-writing machine. No. 1,120,611; Dec. 8; Gaz. vol. 209; p. 631.
- Friday, Wilbur L., Beaver Dam, Wis. Harvester. No. 1,109,916; Sept. 8; Gaz. vol. 206; p. 416.
- Fridgen, Joseph E., Glen Ullin, N. D. Hopper-tally. No. 1,102,258; July 7; Gaz. vol. 204; p. 12.
- Fridlund, Lewis, Willmar, Minn. Curtain-stretcher. No. 1,092,347; Apr. 7; Gaz. vol. 201; p. 77.
- Fridlund, Lewis, Willmar, Minn. Curtain-stretcher. No. 1,092,348; Apr. 7; Gaz. vol. 201; p. 78.
- Fridolph, Anna S., Zuybach, Tex. Spring-clasp hair-fastener. No. 1,089,829; Mar. 10; Gaz. vol. 200; p. 444.
- Fried, Armin. (See Levy and Fried.)
- Fried, Frederick H. (See Laskowski, Frank J., assignor.)
- Fried. Krupp Aktiengesellschaft. (See Barth, Karl, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Bartholdy, Max, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Greuner, Kurt, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Heilemann and Kanonenberg, assignors.)
- Fried. Krupp Aktiengesellschaft. (See Hermsdorf, Max, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Koch, Norbert, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Korrodi, Heinrich, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Lauber, Otto, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Luyken, Wilhelm, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Mayer, Wilhelm, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Rabba, Heinrich, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Rabba and Stock, assignors.)
- Fried. Krupp Aktiengesellschaft. (See Sachtleben, Friedrich, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Schurmann, Richard, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Ullrich, Georg, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Wieder, Franz, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Wieser, Karl, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Wieser, Schwartz, and Wilck, assignors.)
- Fried. Krupp Aktiengesellschaft. (See Ziegenfuss, Friedrich, assignor.)
- Fried. Krupp Aktiengesellschaft Germaniawerft. (See Herkt, Ernst, assignor.)
- Fried. Krupp Aktiengesellschaft Germaniawerft. (See Rembold, Viktor, assignor.)
- Fried. Krupp Aktiengesellschaft Germaniawerft. (See Techel, Hans, assignor.)
- Friedburg, Louis H., New York, N. Y., assignor to General Electric Company. Plastic condensation product. No. 1,119,592; Dec. 1; Gaz. vol. 209; p. 239.
- Friedel, William R., Memphis, Tenn. Molding. No. 1,113,896; Oct. 13; Gaz. vol. 207; p. 561.
- Friedlaender, Eugene, Braddock, Pa. Insulator. No. 1,111,570; Sept. 22; Gaz. vol. 206; p. 1079.
- Friedlander, Eugene A., Cleveland, Ohio. Talking-machine. No. 1,093,611; Apr. 21; Gaz. vol. 201; p. 582.
- Friedlander, Joseph, New York, N. Y. Mounting for eyeglasses. No. 1,091,825; Mar. 31; Gaz. vol. 200; p. 1245.

Alphabetical list of patentees—Continued.

- Friedlein, Heinrich, Cologne-Deutz, assignor to Firm of Kontrolldruck-Automaten-Gesellschaft m. b. H., Cologne, Germany. Apparatus for printing and registering tickets. No. 1,091,498; Mar. 31; Gaz. vol. 200; p. 1131.
- Friedli, Emil A., Canton, Ohio. Exerciser. No. 1,114,458; Oct. 20; Gaz. vol. 207; p. 801.
- Friedman, Edwin N., Chicago, Ill. Combined desk and chair. No. 1,100,366; June 16; Gaz. vol. 203; p. 767.
- Friedman, Goste, Jamestown, N. Y. Bidet. No. 1,091,499; Mar. 31; Gaz. vol. 200; p. 1132.
- Friedman, Herman B., New York, N. Y. Interconnected steam-boiler and water-heater. No. 1,106,037; Aug. 4; Gaz. vol. 205; p. 159.
- Friedman, Jacob. (See Segal and Friedman.)
- Friedman, Leslie H., St. Kilda, Melbourne, Victoria, Australia. Line-spacing mechanism for type-writing machines. No. 1,094,432; Apr. 28; Gaz. vol. 201; p. 916.
- Friedman, Leslie H., St. Kilda, Melbourne, Victoria, Australia. Spring-motor-overwinding preventer. No. 1,109,569; Sept. 1; Gaz. vol. 206; p. 248.
- Friedman, Louis E. (See Goldberg, Isaac, assignor.)
- Friedman, Morris A., New York, N. Y. Shade-holder. No. 1,098,104; May 26; Gaz. vol. 202; p. 1134.
- Friedman, Nathan, Chicago, Ill. Window-ventilator. No. 1,089,544; Mar. 10; Gaz. vol. 200; p. 347.
- Friedman, Nathan, New York, N. Y. Self-winding clock. No. 1,091,500; Mar. 31; Gaz. vol. 200; p. 1132.
- Friedman, Nathan, assignor of one-half to F. H. Gunther, Chicago, Ill. Rug-cleaning machine. No. 1,122,097; Dec. 22; Gaz. vol. 209; p. 1234.
- Friedman, Sigmund, Gorgona, Canal Zone. Rail-tie. No. 1,090,041; Mar. 10; Gaz. vol. 200; p. 516.
- Friedman, Sigmund, Paterson, N. J. Rail-tie. No. 1,090,042; Mar. 10; Gaz. vol. 200; p. 517.
- Friedman, William L., Oakland, Cal. Recording-thermometer. No. 1,105,898; Aug. 4; Gaz. vol. 206; p. 108.
- Friedmann, Edward N., East Orange, N. J. Refrigerating apparatus. No. 1,084,265; Jan. 13; Gaz. vol. 198; p. 364.
- Friedmann, Harry, assignor of one-half to J. P. Dever, Baltimore, Md. Neckband for garments. No. 1,102,490; July 7; Gaz. vol. 204; p. 94.
- Friedemann, Karl L. F., Forshaga, Sweden. Rendering soluble the products of oxidation of linseed-oil. No. 1,095,838; May 5; Gaz. vol. 202; p. 227.
- Friedrich, Charles A., New York, N. Y. Producing high vacuums in X-ray tubes and the like. No. 1,083,677; Jan. 6; Gaz. vol. 198; p. 139.
- Friedrich, Eduard, Leipzig-Plagwitz, Germany. Crusher. No. 1,098,105; May 26; Gaz. vol. 202; p. 1135.
- Friedrich, Edward, San Antonio, Tex. Display-counter. No. 1,108,985; Sept. 1; Gaz. vol. 206; p. 45.
- Friedrich, Paul, Wendenschloss, near Cöpenick, assignor to Julius Pintsch Aktiengesellschaft, Berlin, Germany. Sharpening the ends of fine wires. No. 1,090,469; Mar. 17; Gaz. vol. 200; p. 708.
- Friedrich, Richard, Glösa, near Chemnitz, Germany, and F. Hirsch, Vienna, Austria-Hungary. Manufacture of solid sulfates or bisulfates of homogeneous chemical constitution. No. 1,091,325; Mar. 24; Gaz. vol. 200; p. 1029.
- Friedrich, Richard, Glösa, near Chemnitz, Germany, and F. Hirsch, Vienna, Austria-Hungary. Manufacture of sulfates or bisulfates. No. 1,091,429; Mar. 24; Gaz. vol. 200; p. 1063.
- Friedrick, Ernest, U. S. Navy. Range and deflection transmitter. No. 1,116,407; Nov. 10; Gaz. vol. 208; p. 361.
- Friel, Claude L., assignor of one-half to L. Friel, Los Angeles, Cal. Matrix. No. 1,114,128; Oct. 20; Gaz. vol. 207; p. 682.
- Friel, John J., assignor to Mathews Gravity Carrier Company, Ellwood City, Pa. Conveyer. No. 1,109,284; Sept. 1; Gaz. vol. 206; p. 152.
- Friel, Legrand. (See Friel, Claude L., assignor.)
- Friend, Howard, assignor of one-half to E. J. Keller, Lexington, Okla. Bridge construction. No. 1,095,202; May 5; Gaz. vol. 202; p. 10.
- Friend, John E., Brooklyn, assignor of seven thirty-seconds to W. F. McAllum, seven thirty-seconds to W. C. Phillips, and two thirty-seconds to D. R. Revell, Auckland, New Zealand. Internal-combustion engine. No. 1,101,794; June 30; Gaz. vol. 203; p. 1363.
- Friend, Robert, Lowell, Mass. Apparatus for sealing waxed papers. No. 1,114,744; Oct. 27; Gaz. vol. 207; p. 951.
- Friendship, John, Detroit, Mich. Plumb and chalk line. No. 1,098,033; May 26; Gaz. vol. 202; p. 1109.
- Frierson, John H. (See Egan and Frierson.)
- Fries, Elizabeth, St. Louis, Mo. Mop. No. 1,104,979; July 28; Gaz. vol. 204; p. 1093.
- Fries, Howard J., Seattle, Wash. Holder and sterilizer for dental burs. No. 1,104,650; July 21; Gaz. vol. 204; p. 930.
- Fries, Levi, Evansville, Ind. Attachment for brushes. No. 1,119,264; Dec. 1; Gaz. vol. 209; p. 124.
- Friese, Otto, Berlin, and F. Graafen, Erfurt, assignors to Hydro-Apparatebauanstalt (J. Von Geldern & Co.), Düsseldorf, Germany. Apparatus for the continuous examination of liquids. No. 1,096,832; May 19; Gaz. vol. 202; p. 642.
- Friese, Robert, Charlottenburg, assignor to Siemens Schuckertwerke, G. m. b. H., Berlin, Germany. Regulating electric-arc lamps. No. 1,097,175; May 19; Gaz. vol. 202; p. 764.
- Friese, Robert, Charlottenburg, assignor to Siemens-Schuckertwerke, G. m. b. H., Berlin, Germany. Regenerating oil used for electrical purposes. No. 1,103,499; July 14; Gaz. vol. 204; p. 488.
- Friese, Robert, Charlottenburg, assignor to Siemens-Schuckert-Werke G. m. b. H., Berlin, Germany. Insulator. No. 1,107,281; Aug. 18; Gaz. vol. 205; p. 683.
- Friesecke, Albert and C., Berlin, Germany. Shaking-machine for use in the manufacture of concrete or artificial stone. No. 1,106,644; Aug. 11; Gaz. vol. 205; p. 415.
- Friesecke, Carl. (See Friesecke, Albert and C.)
- Friesner, John H. (See Tate, Thomas L., assignor.)
- Frigid Fluid Company. (See Davis, Frederick W., assignor.)
- Frigid Fuel Co. (See Miller, Frederick W., assignor.)
- Friman, Wilhelm, Newport News, Va. Safety device for elevators. No. 1,108,355; Aug. 25; Gaz. vol. 205; p. 1108.
- Frink, Robert L., Cleveland, Ohio. Drawing glass. No. 1,119,006; Dec. 1; Gaz. vol. 209; p. 36.
- Frink, Robert L., Cleveland, Ohio. Method of and apparatus for drawing glass. No. 1,119,007; Dec. 1; Gaz. vol. 209; p. 37.
- Frisbie, Mahlon C., St. Louis, Mich. Silo. No. 1,106,868; Aug. 11; Gaz. vol. 205; p. 492.
- Frisbie, Russell A., Middletown, Conn. Gaseous-fuel heater. No. 1,091,501; Mar. 31; Gaz. vol. 200; p. 1132.
- Frisch, John, Los Angeles, Cal. Screwless angle-bar and anticreeping device for rail-joints. No. 1,100,967; June 23; Gaz. vol. 203; p. 1028.
- Frischmann, Thomas, Cleveland, Ohio. Molding-machine. No. 1,103,281; July 14; Gaz. vol. 204; p. 416.
- Frisell, Erik H., assignor, by mesne assignments, to H. Axson Johnson, Stockholm, Sweden. Adjusting means for ordnance. No. 1,086,590; Feb. 10; Gaz. vol. 199; p. 399.
- Frisk, Carl J., and E. Okergren, San Francisco, Cal. Double-up umbrella. No. 1,117,365; Nov. 17; Gaz. vol. 208; p. 741.
- Frisk, Enos C., and E. C. Anderson, Somers, Wis. Utensil-knob. No. 1,099,033; June 2; Gaz. vol. 203; p. 227.
- Frisk, John A., Urbana, Ill. Gas-burner and water-heater. No. 1,089,204; Mar. 3; Gaz. vol. 200; p. 183.
- Frisoli, Domenico, New York, N. Y. Spool or reel. No. 1,095,723; May 5; Gaz. vol. 202; p. 188.
- Fritchle Automobile & Battery Company, The. (See Fritchle, Oliver P., assignor.)
- Fritchle, Oliver P., assignor to The Fritchle Automobile & Battery Company, Denver, Colo. Control for motor systems. No. 1,119,265; Dec. 1; Gaz. vol. 209; p. 125.
- Fritsch, Joseph, Sedro Woolley, Wash. Rat or animal trap. No. 1,093,691; Apr. 21; Gaz. vol. 201; p. 612.
- Fritsch, Joseph, Sedro Woolley, Wash. Insect and fly trap. No. 1,120,046; Dec. 8; Gaz. vol. 209; p. 431.
- Fritsch, Lewis A., Cincinnati, Ohio. Fabric for athletic belts. No. 1,119,944; Dec. 8; Gaz. vol. 209; p. 394.
- Fritsche, Chester H., Los Angeles, Cal. Steering-wheel lock. No. 1,112,782; Oct. 6; Gaz. vol. 207; p. 130.
- Fritschle, William C., Valley Park, Mo. Combined closure and retaining device. No. 1,115,656; Nov. 3; Gaz. vol. 208; p. 65.
- Fritts, Benjamin F., Chattanooga, Tenn. Electric-fan screen and guard. No. 1,114,459; Oct. 20; Gaz. vol. 207; p. 801.
- Fritts, George E., Maricopa, Cal. Clamp. No. 1,086,813; Feb. 10; Gaz. vol. 199; p. 477.
- Fritts, George E., Maricopa, Cal. Oil-well pump. No. 1,087,360; Feb. 17; Gaz. vol. 199; p. 715.
- Fritz, Charles, Baltimore, Md. Liquid-measure. No. 1,090,607; Mar. 17; Gaz. vol. 200; p. 757.
- Fritz, Gustav E., assignor to Universal Interchangeable Tooth Company, Peoria, Ill. Backing-plate for artificial teeth. No. 1,122,718; Dec. 29; Gaz. vol. 209; p. 1486.
- Fritz, Julius, Petaluma, Cal. Handle for the covers of cooking utensils and the like. No. 1,093,393; Apr. 14; Gaz. vol. 201; p. 471.
- Fritz, Matthew R., et al. (See Luther, Otto C., assignor.)
- Fritz, Osville J., Weisenburg, Pa. Insulator. No. 1,109,058; Sept. 1; Gaz. vol. 206; p. 72.
- Fritz, Raymond, Irvin Heights, assignor of one-half to E. Seydel, Trenton, N. J. Non-refillable bottle. No. 1,085,582; Jan. 27; Gaz. vol. 198; p. 873.
- Fritz, Walter, assignor to Bergmann-Elektricitätswerke, Berlin, Germany. Bearing. No. 1,095,839; May 5; Gaz. vol. 202; p. 227.
- Fritz, Walter, assignor to Bergmann-Elektricitätswerke, Berlin, Germany. Packing and bushing. No. 1,095,840; May 5; Gaz. vol. 202; p. 228.
- Fritz, William, Philadelphia, Pa. Candy-coating machine. No. 1,090,608; Mar. 17; Gaz. vol. 200; p. 757.
- Fritzsching, Paul. (See Köbner and Fritzsching.)
- Frizzell, Bernard F., Baltimore, Md. Boiler-feed control. No. 1,091,742; Mar. 31; Gaz. vol. 200; p. 1215.

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- Fröberg, Magni G., Lilla Essingen, Stockholm, Sweden. Suspension device for pictures or other objects. No. 1,115,890; Nov. 3; Gaz. vol. 208; p. 112.
- Frodigh, Ernest W. T. and R. S. G., Worcester, Mass. Tag-stringing machine. No. 1,102,259; July 7; Gaz. vol. 204; p. 13.
- Frodigh, Roland S. G. (See Frodigh, Ernest W. T. and R. S. G.)
- Froehlich, Albert A., Toledo, Ohio. Thermostat. No. 1,120,707; Dec. 15; Gaz. vol. 209; p. 712.
- Froehlich, Henry, Central Aguirre, Porto Rico. Valve. No. 1,092,035; Mar. 31; Gaz. vol. 200; p. 1314.
- Froehlich, Joseph, New York, N. Y., assignor, by mesne assignments, to United States Envelope Company, Springfield, Mass. Envelop-machine. No. 1,108,734; Aug. 25; Gaz. vol. 205; p. 1240.
- Frohlich, George W., Chicago, Ill. Drawing-die for sheet metallic strips. No. 1,119,266; Dec. 1; Gaz. vol. 209; p. 125.
- Frohneberg, Wilhelm. (See Herz and Frohneberg.)
- From, James W., Shelby, Nebr. Corn-husking machine. No. 1,092,349; Apr. 7; Gaz. vol. 201; p. 78.
- Frome, William O., Wataga, Ill. Tube expander and hanger. No. 1,088,336; Feb. 24; Gaz. vol. 199; p. 1100.
- Fromhold, Alexander, Rutherford, N. J., assignor to S. H. Pomeroy Company, New York, N. Y. Metal window construction. No. 1,096,294; May 12; Gaz. vol. 202; p. 418.
- Fromhold, Alexander, Rutherford, N. J., assignor to S. H. Pomeroy Company, New York, N. Y. Metal window construction. No. 1,096,295; May 12; Gaz. vol. 202; p. 419.
- Fromm, Robert A., Diamond, Iowa. Check-holding device. No. 1,101,426; June 23; Gaz. vol. 203; p. 1184.
- Frommater, Willy R., Long Island City, N. Y. Shock-absorber. No. 1,089,830; Mar. 10; Gaz. vol. 200; p. 444.
- Frommer, Rudolf, Budapest, Austria-Hungary. Resilient ejector for firearms. No. 1,108,356; Aug. 25; Gaz. vol. 205; p. 1109.
- Frood, Herbert, Buxton, England. Making brake-blocks. No. 1,096,705; May 12; Gaz. vol. 202; p. 556.
- Frood, Herbert, Buxton, England. Brake-block or the like. No. 1,102,215; June 30; Gaz. vol. 203; p. 1514.
- Frosliid, Anton S., Minneapolis, Minn. Grain-separator. No. 1,096,707; May 12; Gaz. vol. 202; p. 556.
- Frosliid, Anton S., and G. Troseth, Minneapolis, Minn. Feeding device for grain-separators. No. 1,096,706; May 12; Gaz. vol. 202; p. 556.
- Frost, Alonzo, Troy, assignor of one-half to F. Frost, Schenectady, N. Y. Thread-guard. No. 1,095,841; May 5; Gaz. vol. 202; p. 228.
- Frost, Charles H., Pasadena, Cal. Sewer or storm-drain construction and forming the same. No. 1,093,612; Apr. 21; Gaz. vol. 201; p. 582.
- Frost, Clarence B. (See Tuttle, Joseph H., assignor.)
- Frost, Frank. (See Frost, Alonzo, assignor.)
- Frost, Frank R., Streatham, London, and J. L. C. Rubardt, Watford, England. Machine for sorting documents and the like. No. 1,122,897; Dec. 29; Gaz. vol. 209; p. 1549.
- Frost, Harry W. (See Davis, Charles L., assignor.)
- Frost, Homer E., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric-motor controller. No. 1,103,954; July 21; Gaz. vol. 204; p. 691.
- Frost, Isaiah B. (See Stevens, Clectic C., assignor.)
- Frost, Leslie E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vapor electric apparatus. No. 1,119,420; Dec. 1; Gaz. vol. 209; p. 180.
- Frost, Lorenzo S., Cambridge, Mass. Tool. No. 1,113,324; Oct. 13; Gaz. vol. 207; p. 360.
- Frost, Warren H., Los Angeles, Cal. Bed. No. 1,099,140; June 2; Gaz. vol. 203; p. 262.
- Frost, William H., Chicago, Ill. Trap. No. 1,085,599; Feb. 3; Gaz. vol. 199; p. 7.
- Frosterus, Andres L., Eureka, Cal. Gage for sewing-machines. No. 1,111,651; Sept. 22; Gaz. vol. 206; p. 1107.
- Froussard, Albert F., St. Louis, Mo. Tube-cleaner. No. 1,110,319; Sept. 15; Gaz. vol. 206; p. 599.
- Frude, Frank H., assignor of one-third to S. I. Levin, Chicago, Ill. Moving-picture machine. No. 1,089,466; Mar. 10; Gaz. vol. 200; p. 318.
- Frueh, Peter, Donnellson, Iowa. Attachment for post-augers. No. 1,084,937; Jan. 20; Gaz. vol. 198; p. 618.
- Fruehbeck, Edgar F., Marfa, Tex. Engine-starter. No. 1,099,123; June 2; Gaz. vol. 203; p. 256.
- Früh, Karl, Weinheim, Germany, assignor to General Electric Company. Internal-combustion engine. No. 1,093,176; Apr. 14; Gaz. vol. 201; p. 397.
- Fruhling, Albert G., Los Angeles, Cal. Screened frame for ventilating windows. No. 1,091,743; Mar. 31; Gaz. vol. 200; p. 1215.
- Frühling, Otto, Brunswick, Germany. Cutter for suction-dredgers. No. 1,106,038; Aug. 4; Gaz. vol. 205; p. 159.
- Fruin & Walker Company. (See Luff, Henry J., assignor.)
- Frumer, Moses B., and M. Sherman, Philadelphia, Pa. Trap-holder for milk and other bottles. No. 1,121,179; Dec. 15; Gaz. vol. 209; p. 879.
- Fry, Benjamin L., Los Angeles, Cal., assignor to B. L. Fry Manufacturing Company, St. Louis, Mo. Grinder. No. 1,100,722; June 23; Gaz. vol. 203; p. 941.
- Fry, George W., Eagle, Idaho. Thill-support. No. 1,121,344; Dec. 15; Gaz. vol. 209; p. 934.
- Fry, Henry E., Godmanstone, Dorchester, assignor to C. E. De Wolf, London, England. Treatment of seed-grain. No. 1,106,039; Aug. 4; Gaz. vol. 205; p. 159.
- Fry, Henry W., Denny, Cal. Sluice-box. No. 1,117,828; Nov. 17; Gaz. vol. 208; p. 906.
- Fry, Isaac M., Maymont, Saskatchewan, Canada. Anchor-pin. No. 1,092,036; Mar. 31; Gaz. vol. 200; p. 1315.
- Fry, John V., Phillipsburg, N. J. Tool-holder. No. 1,104,980; July 28; Gaz. vol. 204; p. 1093.
- Fry, Sylvester J. (See Mohler and Fry.)
- Fry, William E. (See Williams and Fry.)
- Fryberg, Elmer E., Duluth, Minn. Attachment for washboards. No. 1,122,719; Dec. 29; Gaz. vol. 209; p. 1486.
- Frye, Henry V., assignor of one-half to T. Gillespie, Bicknell, Ind. Means for dumping mine-cars. No. 1,091,826; Mar. 31; Gaz. vol. 200; p. 1246.
- Frye, Lee E., San Francisco, Cal. Tire-protector. No. 1,104,181; July 21; Gaz. vol. 204; p. 768.
- Fryett, Charles G., Orient, Wash. Buckle. No. 1,083,678; Jan. 6; Gaz. vol. 198; p. 139.
- Frykman, August, Souris, N. D. Gear-cutting machine. No. 1,108,735; Aug. 25; Gaz. vol. 205; p. 1240.
- Frykman, August, Souris, N. D. Index-head for lathes. No. 1,108,736; Aug. 25; Gaz. vol. 205; p. 1241.
- Frykman, Oscar M. (See Dustin, Frykman, and Watts.)
- Fryling, Harry W., Lowell, N. C. Electric-operated alarm. No. 1,111,652; Sept. 22; Gaz. vol. 206; p. 1108.
- Fryman, Nicholas, Arcanum, Ohio. Mold. No. 1,096,165; May 12; Gaz. vol. 202; p. 373.
- Fuchs, Ernest C., Rochelle Park, N. J. Non-refillable bottle. No. 1,089,205; Mar. 3; Gaz. vol. 200; p. 184.
- Fuchs, Ernesto, Guadalajara, Mexico. Mold for plastic material. No. 1,112,284; Sept. 29; Gaz. vol. 206; p. 1362.
- Fuchs, George D. (See Kiefer, Fred, assignor.)
- Fuchs, Gustave F., Belleville, Ill. Sectional boiler. No. 1,107,510; Aug. 18; Gaz. vol. 205; p. 765.
- Fuchs, Heinrich, Friedrichsfelde, near Berlin, Germany. Ground-auger. No. 1,107,927; Aug. 18; Gaz. vol. 205; p. 910.
- Fuchs & Lang Manufacturing Company, The. (See Ford, Albert J., assignor.)
- Fuchs, Louis, Hoboken, N. J. Antislipping attachment for horseshoes. No. 1,101,689; June 30; Gaz. vol. 203; p. 1326.
- Fuchs, Robert, Fort Ripley, and O. Anderson, Brainerd, Minn. Chimney-cleaner. No. 1,097,418; May 19; Gaz. vol. 202; p. 849.
- Fuchs, Samuel H. (See Caspers, George A. and J., assignors.)
- Fudge, Raymond E., West Haven, assignor to The Rowland Machine Company, New Haven, Conn. Wrapping-machine. No. 1,103,500; July 14; Gaz. vol. 204; p. 488.
- Fuegmann, Paul G., and F. H. Hummel, West New York, N. J. Sanitary bottle. No. 1,103,752; July 14; Gaz. vol. 204; p. 580.
- Fuehrer, Henry, Hazleton, Pa. Combined reinforce and mold-support for concrete structures. No. 1,097,796; May 26; Gaz. vol. 202; p. 1026.
- Fuerth, William G., assignor to Equilibrator Company, Newark, N. J. Stenciling. No. 1,087,441; Feb. 17; Gaz. vol. 199; p. 745.
- Fuerth, William G., Newark, N. J., assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Stenciling material. No. 1,092,768; Apr. 7; Gaz. vol. 201; p. 221.
- Fuess, Paul, Berlin-Steglitz, Germany. Recorder. No. 1,115,302; Oct. 27; Gaz. vol. 207; p. 1150.
- Fugate, Morgan P., Dewey, Okla. Animal-trap. No. 1,107,775; Aug. 18; Gaz. vol. 205; p. 861.
- Fuhr, William, Chicago, Ill. Counting-machine. No. 1,091,207; Mar. 24; Gaz. vol. 200; p. 992.
- Fuhrer, Paul, Denver, Colo. Combined mop and wringer. No. 1,112,532; Oct. 6; Gaz. vol. 207; p. 43.
- Fuhrer, Paul, Denver, Colo. Spring-wheel. No. 1,119,267; Dec. 1; Gaz. vol. 209; p. 125.
- Fubri, William C., Chicago, Ill., assignor to American Graphophone Company, Bridgeport, Conn. Cabineted graphophone. No. 1,099,353; June 9; Gaz. vol. 203; p. 382.
- Fuhs, George A., Madisonville, Ky. Window-shade bracket. No. 1,090,043; Mar. 10; Gaz. vol. 200; p. 517.
- Fuiks, Samuel J., Chicago, assignor to Ves-Tong Mfg. Co., Wenona, Ill. Hunting-breeches. No. 1,099,875; June 9; Gaz. vol. 203; p. 559.
- Fujiyama, Tsuneichi, Tokyo, Japan. Apparatus for manufacturing nitrogen compounds. No. 1,090,391; Mar. 17; Gaz. vol. 200; p. 681.
- Fulcher, Nelson, Sault Ste. Marie, Ontario, Canada. Track-lining arch. No. 1,114,460; Oct. 20; Gaz. vol. 207; p. 801.
- Fulda, Edward, New York, N. Y. Multiweld secondary. No. 1,103,041; July 14; Gaz. vol. 204; p. 332.
- Fulenwider, A. L., et al. (See Fuller, MZL, assignor.)
- Fulford, Harry. (See Reiter and Fulford.)

Alphabetical list of patentees—Continued.

- Fuller, Albert, assignor, by mesne assignments, to F. A. Fuller, Newark, N. J. Button. No. 1,098,106; May 26; Gaz. vol. 202; p. 1135.
- Fuller, Charles, *et al.* (See Daniel, Paul, assignor.)
- Fuller, Edgar L., Everett, Mass. Hammock. No. 1,106,554; Aug. 11; Gaz. vol. 205; p. 382.
- Fuller, Eugene, Providence, R. I. Engine-starter. No. 1,097,419; May 19; Gaz. vol. 202; p. 849.
- Fuller, Eugene, assignor of thirty one-hundredths to C. A. Gaudette, Providence, R. I. Attachment for boots and shoes. No. 1,087,361; Feb. 17; Gaz. vol. 199; p. 715.
- Fuller, Eugene, Providence, assignor of one-third to C. F. Butterworth, Pawtucket, and one-third to J. Webb, Thornton, R. I. Spring wire clip. No. 1,117,560; Nov. 17; Gaz. vol. 208; p. 809.
- Fuller, Franz A. (See Fuller, Albert, assignor.)
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag-frame. No. 1,083,359; Jan. 6; Gaz. vol. 198; p. 33.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Memorandum-case. No. 1,097,619; May 26; Gaz. vol. 202; p. 960.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag-fastener. No. 1,113,978; Oct. 20; Gaz. vol. 207; p. 628.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag-frame. No. 1,113,979; Oct. 20; Gaz. vol. 207; p. 629.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Powder container and dispenser. No. 1,115,062; Oct. 27; Gaz. vol. 207; p. 1065.
- Fuller, Frederick H., Potsdam, N. Y., assignor to Tompkins-Hawley-Fuller Company. Paper-making machine. (Reissue.) No. 13,749; June 16; Gaz. vol. 203; p. 878.
- Fuller, Frederick L., assignor to The National Cash Register Company, Dayton, Ohio. Adding mechanism. No. 1,088,068; Feb. 24; Gaz. vol. 199; p. 1008.
- Fuller, Frederick L., assignor to The National Cash Register Company, Dayton, Ohio. Multiple cash-register. No. 1,117,179; Nov. 17; Gaz. vol. 208; p. 674.
- Fuller, Frederick L., assignor to The National Cash Register Company, Dayton, Ohio. Change-indicating cash-register. No. 1,122,489; Dec. 29; Gaz. vol. 209; p. 1405.
- Fuller, George, L., and G. J. A., Bow, London, England. Constructing secondary or storage batteries. No. 1,092,252; Apr. 7; Gaz. vol. 201; p. 44.
- Fuller, George, L., and G. J. A., Bow, London, England. Secondary or storage battery. No. 1,092,253; Apr. 7; Gaz. vol. 201; p. 44.
- Fuller, George J. A. (See Fuller, George, L., and G. J. A.)
- Fuller, James E., assignor to New York Knife Company, New York, N. Y. Pocket-knife. No. 1,086,152; Feb. 3; Gaz. vol. 199; p. 204.
- Fuller, Leonard. (See Fuller, George, L., and G. J. A.)
- Fuller, Louis E., New York, N. Y., assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill. Stencil-sheet. No. 1,101,268; June 23; Gaz. vol. 203; p. 1130.
- Fuller, Louis E., New York, N. Y., assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill. Forming stencil-sheets. No. 1,101,269; June 23; Gaz. vol. 203; p. 1131.
- Fuller, Louis E., New York, N. Y., assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill. Preparing duplicating-stencils. No. 1,101,270; June 23; Gaz. vol. 203; p. 1131.
- Fuller Manufacturing Company, The. (See La Sor, Herbert G., assignor.)
- Fuller, MZL, Birmingham, Ala., assignor of one-half to A. L. Fulenwider and F. G. McConnell. Shipping-carrier for phonograph-records. No. 1,121,239; Dec. 15; Gaz. vol. 209; p. 898.
- Fuller, Rodolphus, Detroit, Mich. Vehicle-spring. No. 1,105,192; July 28; Gaz. vol. 204; p. 1166.
- Fuller, William E., Jr., Fall River, Mass. Treatment of continuous sheets of plastic fabric. No. 1,086,762; Feb. 10; Gaz. vol. 199; p. 459.
- Fuller, William J., Hazard, Ky. Stump-puller. No. 1,122,898; Dec. 29; Gaz. vol. 209; p. 1550.
- Fullerton, George A., deceased, Boston, Mass.; M. H. Fullerton, executrix. Car-fender. No. 1,094,648; Apr. 28; Gaz. vol. 201; p. 994.
- Fullerton, James M. (See Thomas, Mary E., assignor.)
- Fullerton, Mary H., executrix. (See Fullerton, George A.)
- Fullerton, Richard H., Beverly, Mass. Attachment for slippers. No. 1,103,191; July 14; Gaz. vol. 204; p. 386.
- Fullmer, Jacob C., Moline, Ill. Folding square. No. 1,101,625; June 30; Gaz. vol. 203; p. 1305.
- Fulmele, John T., Wilmington, Del. Car-fender. No. 1,112,206; Sept. 29; Gaz. vol. 206; p. 1335.
- Fulmer, Albert P., and F. M. Nebinger, Wilmington, Del. Bottle-closure. No. 1,109,570; Sept. 1; Gaz. vol. 206; p. 248.
- Fulmer, Henry M., *et al.* (See Cummins, Herbert L., assignor.)
- Fulper, John W., Annandale, N. J. Vacuum-cleaner. No. 1,106,329; Aug. 4; Gaz. vol. 205; p. 256.
- Fulper, William H., Flemington, N. J. Amusement apparatus. No. 1,111,533; Sept. 22; Gaz. vol. 206; p. 1066.
- Fülscher, Johann, Hamburg-Eimsbüttel, Germany. Molding-machine. No. 1,106,645; Aug. 11; Gaz. vol. 205; p. 415.
- Fulsmore Mfg. Co., The. (See Umphrey and McCloud, assignors.)
- Fulson, Charles H., Atlanta, Ga., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Cooker for seeds. No. 1,104,981; July 28; Gaz. vol. 204; p. 1093.
- Fulson, Charles H., Atlanta, Ga., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Gate-controlling device for cookers. No. 1,115,186; Oct. 27; Gaz. vol. 207; p. 1109.
- Fulton Bag and Cotton Mills Co. (See Honiker, Charles D., assignor.)
- Fulton-Bell Company. (See Fulton, William H., assignor.)
- Fulton, Charles W. (See Anderson, Meikle, and Fulton.)
- Fulton, Charles W., Paisley, Scotland. Apparatus for treating textile materials with liquids. No. 1,083,360; Jan. 6; Gaz. vol. 198; p. 33.
- Fulton Company, The. (See Fulton, Weston M., assignor.)
- Fulton, Fred L., *et al.* (See Taylor, James W., assignor.)
- Fulton, Harry N., Philadelphia, Pa. Adjustable photo-bromid plate or film printing easel. No. 1,091,647; Mar. 31; Gaz. vol. 200; p. 1182.
- Fulton Iron Works. (See Setz, Hans R., assignor.)
- Fulton, Louis B., assignor to The Chaplin-Fulton Manufacturing Company, Pittsburgh, Pa. Gas relief-valve. No. 1,110,320; Sept. 15; Gaz. vol. 206; p. 599.
- Fulton Manufacturing Company. (See Adams, Arthur J., assignor.)
- Fulton, Otto L., Peterson, Iowa. Truck attachment for seeders and drags. No. 1,095,962; May 5; Gaz. vol. 202; p. 267.
- Fulton Tool Works, The. (See Wenslick, John H., assignor.)
- Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Flexible corrugated tubular metal wall. No. 1,094,323; Apr. 21; Gaz. vol. 201; p. 819.
- Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Flexible, tubular, corrugated-metal wall. No. 1,095,100; Apr. 28; Gaz. vol. 201; p. 1150.
- Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Flexible tubular corrugated metal wall. No. 1,096,296; May 12; Gaz. vol. 202; p. 419.
- Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Steam-boiler attachment. No. 1,097,123; May 19; Gaz. vol. 202; p. 746.
- Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Steam-boiler attachment. No. 1,097,124; May 19; Gaz. vol. 202; p. 746.
- Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Automatic tank-regulator. No. 1,102,035; June 30; Gaz. vol. 203; p. 1449.
- Fulton, William H., New York, N. Y. Electric heater. No. 1,111,790; Sept. 29; Gaz. vol. 206; p. 1193.
- Fulton, William H., assignor to Fulton-Bell Company, New York, N. Y. Mixer. No. 1,085,858; Feb. 3; Gaz. vol. 199; p. 99.
- Fulton, William H., Brooklyn, N. Y., assignor to Nerns' Lamp Company. Vacuum cleaning apparatus. No. 1,086,591; Feb. 10; Gaz. vol. 199; p. 399.
- Fulton, William T. (See Wilson, George W., assignor.)
- Fulweiler, John E., Philadelphia, Pa. Thermostatic controlling-valve. No. 1,103,667; July 14; Gaz. vol. 204; p. 552.
- Fulweiler, Walter H., Moylan, assignor to The United Gas Improvement Company, Philadelphia, Pa. Registering-meter for gas and the like. No. 1,107,600; Aug. 18; Gaz. vol. 205; p. 798.
- Funcheon, Daniel C., assignor of one-fourth to C. E. Olsen, Denver, Colo. Automatic earth-loading vehicle. No. 1,085,576; Jan. 27; Gaz. vol. 198; p. 870.
- Funk, Alfred C., assignor to Deere & Company, Moline, Ill. Elevator-support for harvesters. No. 1,121,620; Dec. 22; Gaz. vol. 209; p. 1066.
- Funk, David, New York, N. Y. Music-leaf turner. No. 1,096,617; May 12; Gaz. vol. 202; p. 527.
- Funk, John W., Jr., Heyworth, Ill. Surface-cultivator. No. 1,122,899; Dec. 29; Gaz. vol. 209; p. 1550.
- Funk, Joseph H., New York, N. Y. Neckband for shirts. No. 1,097,856; May 26; Gaz. vol. 202; p. 1045.
- Funk, Levi L., Chicago, Ill. Forming-tool. No. 1,122,720; Dec. 29; Gaz. vol. 209; p. 1487.
- Funk, Louis. (See Morgan and Funk.)
- Funk, Ulysses G., East Liverpool, Ohio. Indicating device. No. 1,087,754; Feb. 17; Gaz. vol. 199; p. 853.
- Funke, F. J., *et al.* (See Luther, Otto C., assignor.)
- Funkhauser, Robert D. (See Morgal, John F., assignor.)
- Funnell, George L., London, England, assignor to American Graphophone Company, Bridgeport, Conn. Sound-box. No. 1,104,182; July 21; Gaz. vol. 204; p. 768.
- Fuqua, Tuckerman C., Richmond, Va. Ice-cream dipper. No. 1,121,489; Dec. 15; Gaz. vol. 209; p. 984.
- Furber, Frederick M., Beachmont, Mass. Spark-plug. No. 1,084,543; Jan. 13; Gaz. vol. 198; p. 453.
- Furber, Frederick M., Beachmont, Mass. Priming-cup. No. 1,103,137; July 14; Gaz. vol. 204; p. 366.
- Furber, Frederick M., Revere, Mass. Temperature-controlling apparatus for internal-combustion engines. No. 1,114,246; Oct. 20; Gaz. vol. 207; p. 725.

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- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of leather articles. No. 1,096,423; May 12; Gaz. vol. 202; p. 462.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Burnishing-machine. No. 1,107,282; Aug. 18; Gaz. vol. 205; p. 683.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Splitting-machine. No. 1,111,255; Sept. 22; Gaz. vol. 206; p. 971.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating upon soles. No. 1,111,791; Sept. 29; Gaz. vol. 206; p. 1193.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-blackening machine. No. 1,120,804; Dec. 15; Gaz. vol. 209; p. 746.
- Furber, Frederick M., Beachmont, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Flexible outsole. No. 1,115,922; Nov. 3; Gaz. vol. 208; p. 155.
- Furbush, Frank L., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Bagging-machine. No. 1,119,421; Dec. 1; Gaz. vol. 209; p. 180.
- Furgason, Claude E., Lansing, Mich. Automobile-lock. No. 1,113,980; Oct. 20; Gaz. vol. 207; p. 629.
- Furley, Robert G., Newland, England. Apparatus for drying washed birds, dogs, and other animals. No. 1,096,708; May 12; Gaz. vol. 202; p. 557.
- Furnace Patent Company, The. (See Wedge, Utley, assignor.)
- Furnas, Linus T., Lima, Ohio. Corset-cover. No. 1,086,153; Feb. 3; Gaz. vol. 199; p. 205.
- Furnas, Linus T., Lima, Ohio. Dress-form. No. 1,107,055; Aug. 11; Gaz. vol. 205; p. 555.
- Furness, Radcliffe, Jenkintown, Pa. High-speed tool-steel. No. 1,095,842; May 5; Gaz. vol. 202; p. 228.
- Furney, Elliott E., St. Louis, Mo. Flying-machine. No. 1,090,609; Mar. 17; Gaz. vol. 200; p. 758.
- Furniss, Henry D., New York, N. Y. Oiling system. No. 1,107,601; Aug. 18; Gaz. vol. 205; p. 798.
- Furniss, John T. (See Stovall and Furniss.)
- Furrey, John W., Vancouver, Wash. Buckle. No. 1,091,924; Mar. 31; Gaz. vol. 200; p. 1280.
- Furth, George W., Cleveland, Ohio. Baling-tie buckle. No. 1,084,002; Jan. 13; Gaz. vol. 198; p. 275.
- Furth, George W., Cleveland, Ohio. Bale-tie buckle. No. 1,100,128; June 16; Gaz. vol. 203; p. 684.
- Furth, George W., Cleveland, Ohio. Baling-tack. No. 1,109,746; Sept. 8; Gaz. vol. 206; p. 356.
- Furuseth, Loyd A., Belmond, Iowa. Spring-wheel. No. 1,090,703; Mar. 17; Gaz. vol. 200; p. 787.
- Furuseth, Ole L., Belmond, Iowa. Fruit-drier. No. 1,093,044; Apr. 14; Gaz. vol. 201; p. 350.
- Furuseth, Peder, Edmore, N. D. Railway-mower. No. 1,096,236; May 12; Gaz. vol. 202; p. 398.
- Fuss, Max, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to General Electric Company. System for treating liquids with ozone. No. 1,090,044; Mar. 10; Gaz. vol. 200; p. 517.
- Fussell, George, Chicago, Ill. Non-refillable-bottle closure. No. 1,106,505; Aug. 11; Gaz. vol. 205; p. 365.
- Fussell, George, assignor to W. C. Schmitt, Portland, Oreg. Conduit-wire-fishing reel. No. 1,096,618; May 12; Gaz. vol. 202; p. 527.
- Futrell, Thomas J., Milford, Utah. Automatic coupling for railway-cars. No. 1,122,098; Dec. 22; Gaz. vol. 209; p. 1234.
- Fyhrie, Torger C., St. Paul, Minn. Stovepipe-cutter. No. 1,086,286; Feb. 3; Gaz. vol. 199; p. 247.
- Fynn, Valère A., London, England. Alternating-current motor. No. 1,085,807; Feb. 3; Gaz. vol. 199; p. 82.
- Fynn, Valère A., London, England. Alternating-current motor. No. 1,085,808; Feb. 3; Gaz. vol. 199; p. 82.
- Fynn, Valère A., London, England. Rotary converter. No. 1,103,192; July 14; Gaz. vol. 204; p. 386.
- Fynn, Valère A., London, England. Alternate-current generator. No. 1,104,183; July 21; Gaz. vol. 204; p. 768.
- Fynn, Valère A., London, England, assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. System of electrical distribution. No. 1,084,078; Jan. 13; Gaz. vol. 198; p. 301.
- Fynn, Valère A., London, England, assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Dynamo-electric machine. No. 1,093,045; Apr. 14; Gaz. vol. 201; p. 350.
- Fynn, Valère A., London, England, assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Dynamo-electric machine. No. 1,104,184; July 21; Gaz. vol. 204; p. 769.
- Fynn, Valère A., London, England, assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Dynamo-electric machine. No. 1,118,928; Dec. 1; Gaz. vol. 209; p. 8.
- Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Dynamo-electric machine. No. 1,084,079; Jan. 13; Gaz. vol. 198; p. 302.
- Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Alternating-current motor. No. 1,101,069; June 23; Gaz. vol. 203; p. 1063.
- Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Dynamo-electric machine. No. 1,108,568; Aug. 25; Gaz. vol. 205; p. 1183.
- Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. System of electrical control. No. 1,118,929; Dec. 1; Gaz. vol. 209; p. 8.
- Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Operating alternating-current motors. No. 1,122,490; Dec. 29; Gaz. vol. 209; p. 1405.
- Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Alternating-current motor. No. 1,122,491; Dec. 29; Gaz. vol. 209; p. 1406.
- Fyrberg, Andrew, Worcester, Mass., assignor to Warner Arms Corporation, New York, N. Y. Automatic hand-firearm. No. 1,105,416; July 28; Gaz. vol. 204; p. 1248.
- G. Josephy's Erben. (See Queiser, Friedrich, assignor.)
- G. B. Farrington Company, The. (See Johnson, De Witt C., assignor.)
- G. B. Garage Company. (See Bouthinon, George G., assignor.)
- G. B. Lewis Company. (See Mollart, Lobegott, assignor.)
- G. C. A. Manufacturing Company, The. (See Printiss, Frederick H., assignor.)
- G. T. Eames Company. (See Eames, Gardner T., assignor.)
- G. & W. Electric Specialty Co. (See Williams, Paul F., assignor.)
- Gabby, Charles E., Cheney, Wash. Drying-rack. No. 1,111,892; Sept. 29; Gaz. vol. 206; p. 1231.
- Gabel, Charles, Hawkeye, Iowa. Coop. No. 1,095,628; May 5; Gaz. vol. 202; p. 155.
- Gabel, Fred J., Yale, S. D. Insect-trap. No. 1,085,329; Jan. 27; Gaz. vol. 198; p. 789.
- Gabel, Joseph A., Chehalis, Wash. Joint. No. 1,110,621; Sept. 15; Gaz. vol. 206; p. 707.
- Gabriel, Bernard L. (See Weston, Francis J., assignor.)
- Gabriel, Charles R., New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Feed-controlling mechanism for punching-presses. No. 1,099,545; June 9; Gaz. vol. 203; p. 447.
- Gabriel, Gustav, Offenbach-on-the-Main, Germany. Centering device. No. 1,089,407; Mar. 10; Gaz. vol. 200; p. 296.
- Gabrielson, Carl, assignor to L. C. Smith & Bros. Type-writer Company, Syracuse, N. Y. Tabulating mechanism for type-writing machines. No. 1,117,658; Nov. 17; Gaz. vol. 208; p. 844.
- Gabrielson, John, Buffalo, N. Y. Dies for making radiator-tubes. No. 1,089,124; Mar. 3; Gaz. vol. 200; p. 155.
- Gabris, Filbert L., and C. H. Jeffery, St. Paul, Minn. Flange-lubricator. No. 1,100,551; June 16; Gaz. vol. 203; p. 828.
- Gabrohn, Albert, Detroit, Mich. Hose-coupling. No. 1,113,770; Oct. 13; Gaz. vol. 207; p. 517.
- Gabus, Adrian, Springfield, Ill. Meter-register. No. 1,091,326; Mar. 24; Gaz. vol. 200; p. 1029.
- Gadbois, Alfred J., Duluth, and F. W. Gadbois, St. Paul, Minn. Game apparatus. No. 1,107,776; Aug. 18; Gaz. vol. 205; p. 861.
- Gadbois, Eli, Chicago, Ill. Door-stop. No. 1,122,199; Dec. 22; Gaz. vol. 209; p. 1267.
- Gadbois, Frank W. (See Gadbois, Alfred J. and F. W.)
- Gadd, Charles J., Lebanon, Pa. Rail-anchor. No. 1,116,686; Nov. 10; Gaz. vol. 208; p. 464.
- Gaddie, Hayes, Wellington, Kans. Cultivator. No. 1,091,056; Mar. 24; Gaz. vol. 200; p. 939.
- Gade, Frank, Fredsville, assignor of one-half to A. M. Hansen, Cedar Falls, Iowa. Bottle. No. 1,085,251; Jan. 27; Gaz. vol. 198; p. 762.
- Gadley, Alfred E., Montreal, Quebec, Canada. Box-lifting device. No. 1,111,893; Sept. 29; Gaz. vol. 206; p. 1231.
- Gaebel, Richard, Dresden, Germany. Bonbon-machine. No. 1,116,408; Nov. 10; Gaz. vol. 208; p. 361.
- Gaertner, Gottfried, Newark, N. J. Fly-paper holder. No. 1,109,571; Sept. 1; Gaz. vol. 206; p. 249.
- Gaeth, Paul, Cleveland, Ohio. Gas or fluid motor. No. 1,093,177; Apr. 14; Gaz. vol. 201; p. 397.
- Gaeth, William C., Napoleon, Mo. Coop. No. 1,101,427; June 23; Gaz. vol. 203; p. 1184.
- Gage, Arthur, Long Lane, Mo. Spring-wheel. No. 1,084,421; Jan. 13; Gaz. vol. 198; p. 414.
- Gage, Arthur H., Melrose, Mass. Apron. No. 1,096,297; May 12; Gaz. vol. 202; p. 419.
- Gage, Burt O., assignor to Warren Steam Pump Company, Warren, Mass. Pump. No. 1,096,619; May 12; Gaz. vol. 202; p. 527.
- Gage, Edward E., assignor to Yankee Wizard Clock Company, New York, N. Y. Alarm-clock. No. 1,088,978; Mar. 3; Gaz. vol. 200; p. 105.
- Gage Electric Company. (See Gage, George J., assignor.)
- Gage, George J., Hillyard, assignor to Gage Electric Company, Spokane, Wash. Artificial resistance. No. 1,105,070; July 28; Gaz. vol. 204; p. 1124.
- Gage, Harold J., assignor of one-half to H. O. Camm, Stockton, Cal. Miter-saw table. No. 1,104,982; July 28; Gaz. vol. 204; p. 1094.

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- Gage, Will V., Primero, assignor of one-half to A. L. Dain, Trinidad, Colo. Emergency-packet. No. 1,116,687; Nov. 10; Gaz. vol. 208; p. 465.
- Gage, Will V., assignor of one-fourth to G. A. Payne, Primero, and one-fourth to B. F. Springer, Trinidad, Colo. Animal-trap. No. 1,121,583; Dec. 15; Gaz. vol. 209; p. 1017.
- Gage, William B., Columbia, Mo. Revolving table. No. 1,114,129; Oct. 20; Gaz. vol. 207; p. 682.
- Gaggins, William H., Philadelphia, Pa. Shoe-polishing apparatus. No. 1,110,384; Sept. 15; Gaz. vol. 206; p. 623.
- Gaggins, William H., Philadelphia, Pa. Shoe-polishing apparatus. No. 1,110,385; Sept. 15; Gaz. vol. 206; p. 623.
- Gaggins, William H., Philadelphia, Pa. Shoe-rest. No. 1,110,386; Sept. 15; Gaz. vol. 206; p. 623.
- Gagliano, Joseph, New York, N. Y. Non-refillable cigar-box. No. 1,086,154; Feb. 3; Gaz. vol. 199; p. 205.
- Gagnebin, William T., Omaha, Nebr. Concrete construction. No. 1,104,651; July 21; Gaz. vol. 204; p. 930.
- Gagnon, Ernest H., Billings, Mont. Smoke-filter and spark-eliminator. No. 1,114,461; Oct. 20; Gaz. vol. 207; p. 802.
- Gagnon, Ernest H., Billings, Mont. Hay-rack. No. 1,116,052; Nov. 3; Gaz. vol. 208; p. 200.
- Gagnon, Ernest H., Billings, Mont. Smoke and fume filter. No. 1,116,053; Nov. 3; Gaz. vol. 208; p. 201.
- Gagnon, Joseph A., Fitchburg, Mass. Picker mechanism for looms. No. 1,099,742; June 9; Gaz. vol. 203; p. 514.
- Gagnon, William J. (See Goodridge and Gagnon.)
- Gagnon, William J., assignor to The Bryant Electric Company, Bridgeport, Conn. Chain-pendant. No. 1,083,821; Jan. 6; Gaz. vol. 198; p. 185.
- Gagnon, William J., assignor to The Bryant Electric Company, Bridgeport, Conn. Bead chain. No. 1,117,829; Nov. 17; Gaz. vol. 208; p. 906.
- Gahlen, Franz, Duisburg, Germany. Press for making pipes. No. 1,084,881; Jan. 20; Gaz. vol. 198; p. 599.
- Gahr, Arthur O., Milbank, S. D. Frame for agricultural implements. No. 1,103,924; July 14; Gaz. vol. 204; p. 638.
- Gaibis, David, New Castle, Pa. Automatic registering and change device. No. 1,089,206; Mar. 3; Gaz. vol. 200; p. 184.
- Gail, Charles H., Chicago, Ill. Wire couch fabric. No. 1,087,755; Feb. 17; Gaz. vol. 199; p. 854.
- Gail, Fred S., Cody, Wyo. Device for capping oil and gas wells. No. 1,106,295; Aug. 4; Gaz. vol. 205; p. 244.
- Gail, John F., Kenosha, Wis. Satin-finish machine. No. 1,107,214; Aug. 11; Gaz. vol. 205; p. 612.
- Gail, John F., Kenosha, Wis. Tube-polishing machine. No. 1,119,751; Dec. 1; Gaz. vol. 209; p. 291.
- Gail, John F., and C. H. Frederick, Kenosha, Wis. Automatic abrading-feed for buffing-machines. No. 1,107,215; Aug. 11; Gaz. vol. 205; p. 612.
- Gaillard, Ella N., assignor of one-fourth to R. M. and A. Hallenback, New York, N. Y. Woven fabric. No. 1,105,503; July 28; Gaz. vol. 204; p. 1278.
- Gailor, Chester F., Hartford, Conn. Structural connection. No. 1,113,981; Oct. 20; Gaz. vol. 207; p. 629.
- Gailor, William H., Saratoga Springs, N. Y. Heating-kettle. No. 1,086,911; Feb. 10; Gaz. vol. 199; p. 510.
- Gaines, Frederick F., Savannah, Ga., assignor to American Arch Company, New York, N. Y. Locomotive-furnace. No. 1,097,125; May 19; Gaz. vol. 202; p. 747.
- Gaines, Frederick F., Savannah, Ga., assignor to American Arch Company, New York, N. Y. Locomotive fire-box. No. 1,115,801; Nov. 3; Gaz. vol. 208; p. 112.
- Gaines, Frederick F., Savannah, Ga., assignor to American Arch Company, New York, N. Y. Locomotive fire-box. No. 1,115,802; Nov. 3; Gaz. vol. 208; p. 112.
- Gaines, Frederick F., Savannah, Ga., assignor to American Arch Company, New York, N. Y. Locomotive-boiler fire-box. No. 1,118,646; Nov. 24; Gaz. vol. 208; p. 1230.
- Gaisman, Henry J., New York, N. Y. Garment-suspenders. No. 1,084,003; Jan. 13; Gaz. vol. 198; p. 276.
- Gaisman, Henry J., assignor to Auto Strop Company, New York, N. Y. Razor. No. 1,088,220; Feb. 24; Gaz. vol. 199; p. 1061.
- Gaisman, Henry J., New York, N. Y., assignor to Auto Strop Company. Safety-razor. No. 1,121,914; Dec. 22; Gaz. vol. 209; p. 1170.
- Gaisman, Henry J., New York, N. Y., assignor to Auto Strop Company. Safety-razor. No. 1,121,915; Dec. 22; Gaz. vol. 209; p. 1170.
- Gaisman, Henry J., assignor to Auto Strop Company, New York, N. Y. Safety-razor. No. 1,121,916; Dec. 22; Gaz. vol. 209; p. 1170.
- Gajdos, George, New York, N. Y. Surgical instrument. No. 1,108,737; Aug. 25; Gaz. vol. 205; p. 1241.
- Galbraith, Elizabeth, Fayetteville, Ark. Combined hood and cape. No. 1,119,268; Dec. 1; Gaz. vol. 209; p. 126.
- Galbraith, Henry L., Bozeman, Mont. Dirigible headlight. No. 1,093,178; Apr. 14; Gaz. vol. 201; p. 397.
- Galbraith, James, assignor of one-half to N. C. Sorensen, Chicago, Ill. Welding-torch. No. 1,112,783; Oct. 6; Gaz. vol. 207; p. 130.
- Galbraith, John F., Shelbyville, Tenn. Sheet-metal roofing. No. 1,122,492; Dec. 29; Gaz. vol. 209; p. 1406.
- Gale, Edward B., Binghamton, N. Y. Rotary engine. No. 1,095,843; May 5; Gaz. vol. 202; p. 228.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Alternating-current-controlling apparatus. No. 1,089,919; Mar. 10; Gaz. vol. 200; p. 476.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Current-controlling apparatus. No. 1,089,920; Mar. 10; Gaz. vol. 200; p. 476.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Electrical controlling apparatus. No. 1,089,921; Mar. 10; Gaz. vol. 200; p. 477.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Safety device for punch-machines. No. 1,095,497; May 5; Gaz. vol. 202; p. 112.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Motor-controlling apparatus. No. 1,102,491; July 7; Gaz. vol. 204; p. 94.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Means for controlling electric currents. No. 1,112,784; Oct. 6; Gaz. vol. 207; p. 130.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Traction-elevator. No. 1,112,785; Oct. 6; Gaz. vol. 207; p. 131.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Current-controlling apparatus. No. 1,120,708; Dec. 15; Gaz. vol. 209; p. 712.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Automatic starter for electric motors. No. 1,120,709; Dec. 15; Gaz. vol. 209; p. 713.
- Gale, Frederick A., Chicago, Ill. System of cleaning and refilling locomotive-boilers. No. 1,087,362; Feb. 17; Gaz. vol. 199; p. 716.
- Gale, George A., *et al.* (See Sydney, Sidney J., assignor.)
- Gale Manufacturing Company. (See Beall, William L., assignor.)
- Gale, Roy F., Fort Wayne, Ind. Telegraph-transmitter. No. 1,109,411; Sept. 1; Gaz. vol. 206; p. 198.
- Gale, Spencer H., New York, N. Y. Beverage-shaker. No. 1,094,712; Apr. 28; Gaz. vol. 201; p. 1018.
- Gale, Warren D., Waterville, Quebec, Canada. Internal-combustion engine. No. 1,103,282; July 14; Gaz. vol. 204; p. 416.
- Galey, John I. (See Hale and Galey.)
- Galgion, Michael, South Heights, Pa. Hot mill-roll. No. 1,117,022; Nov. 10; Gaz. vol. 208; p. 581.
- Galion Iron Works. (See Arndt, Franklin E., assignor.)
- Galion Iron Works and Manufacturing Company, The. (See Boyd, David C., assignor.)
- Galion Iron Works and Manufacturing Company, The. (See Gledhill, Edward C., assignor.)
- Galion Metallic Vault Company, The. (See Lee, Harry F., assignor.)
- Gall, Adolph F., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Motion-picture-projecting apparatus. No. 1,092,905; Apr. 14; Gaz. vol. 201; p. 303.
- Gall, Adolph F., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Projecting apparatus. No. 1,092,906; Apr. 14; Gaz. vol. 201; p. 303.
- Gall, Adolph F., assignor to New Jersey Patent Company, West Orange, N. J. Phonograph-reproducer. No. 1,097,972; May 26; Gaz. vol. 202; p. 1089.
- Gall, Adolph F., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Apparatus for producing motion-picture films. No. 1,109,917; Sept. 8; Gaz. vol. 206; p. 416.
- Gall, Adolph F., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Kinetoscope. No. 1,117,659; Nov. 17; Gaz. vol. 208; p. 845.
- Gall, Adolph F., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,119,269; Dec. 1; Gaz. vol. 209; p. 126.
- Gall, Marvin L., Philippi, W. Va. Window holder and fastener. No. 1,091,208; Mar. 24; Gaz. vol. 200; p. 993.
- Gallagher, Bernard, Lynn, Mass. Cannon. No. 1,101,841; June 30; Gaz. vol. 203; p. 1379.
- Gallagher, Bernard, Lynn, Mass. Casting apparatus. No. 1,109,572; Sept. 1; Gaz. vol. 206; p. 249.
- Gallagher, Emma G., *et al.* (See Gallagher, George S., assignor.)
- Gallagher, Francis E., Newton, Mass., assignor to Standard Alcohol Company, New York, N. Y. Producing fermentable sugars. No. 1,091,327; Mar. 24; Gaz. vol. 200; p. 1030.
- Gallagher, Francis E., Newton, and H. S. Mork, Boston, Mass., assignors to Standard Alcohol Company, New York, N. Y. Producing fermentable sugars. No. 1,096,030; May 12; Gaz. vol. 202; p. 328.

Alphabetical list of patentees—Continued.

- Gallagher, George S., assignor of one-half to H. Gallagher and one-half to E. G. Gallagher, New York, N. Y. Steam-boiler furnace. No. 1,084,853; Jan. 20; Gaz. vol. 198; p. 591.
- Gallagher, George S., assignor of one-half to H. Gallagher and one-half to E. G. Gallagher, New York, N. Y. Steam-boiler furnace. No. 1,085,859; Feb. 3; Gaz. vol. 199; p. 100.
- Gallagher, Henry, *et al.* (See Gallagher, George S., assignor.)
- Gallagher, John J. (See Chickering, Frank W., assignor.)
- Gallagher, John W., Seneca Falls, N. Y. Water heater or boiler. No. 1,122,381; Dec. 29; Gaz. vol. 209; p. 1368.
- Gallagher, Joseph D., *et al.* (See Thompson, Henry E., assignor.)
- Gallagher, Joseph D., Glen Ridge, assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Back for brake-shoes. No. 1,111,017; Sept. 22; Gaz. vol. 206; p. 889.
- Gallagher, Joseph D., Glen Ridge, assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Hinged back for brake-shoes. No. 1,117,366; Nov. 17; Gaz. vol. 208; p. 742.
- Gallagher, Joseph D., Glen Ridge, N. J., assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Segmental brake-shoe. No. 1,122,583; Dec. 29; Gaz. vol. 209; p. 1437.
- Gallagher, Percy L., *et al.* (See Thompson, Henry E., assignor.)
- Gallagher, Peter F., assignor of forty-nine one-hundredths to P. Conniff, Baltimore, Md. Means for connecting superheater-flues to flue-sheets of locomotives. No. 1,122,900; Dec. 29; Gaz. vol. 209; p. 1550.
- Gallagher, Richard D., Jr., New York, N. Y. Car-coupling. No. 1,107,602; Aug. 18; Gaz. vol. 205; p. 798.
- Gallagher, William H., Baltimore, and L. E. Grimes, Boring, Md. Pipe-cutting appliance. No. 1,107,511; Aug. 18; Gaz. vol. 205; p. 766.
- Gallagher, William T., Richmond, Va. Swinging scaffold. No. 1,115,803; Nov. 3; Gaz. vol. 208; p. 113.
- Gallaher, Wallace G., Salida, Colo. Hay gathering and stacking machine. No. 1,109,674; Sept. 8; Gaz. vol. 206; p. 329.
- Gallay, Jean, Geneva, Switzerland. Electric search-lamp for automobiles. No. 1,083,530; Jan. 6; Gaz. vol. 198; p. 90.
- Galley, Elmer T. (See Somers, Clinton E., assignor.)
- Galligan, George, Herrin, Ill. Self-retaining spike. No. 1,118,544; Nov. 24; Gaz. vol. 208; p. 1195.
- Gallimore, Alva. (See Odell, Shealy L., assignor.)
- Garrison, Ernest A., Everett, Mass., assignor to Colonial Fast Color Tipping Company, Kittery, Me. Tipped lacing. No. 1,108,738; Aug. 25; Gaz. vol. 205; p. 1241.
- Gallo, Charles. (See Burnett, Thomas H., assignor.)
- Galloway, Charles N., Neersville, Va. Rural mail-box. No. 1,112,129; Sept. 29; Gaz. vol. 206; p. 1307.
- Galloway, George. (See Whitehead, Layland, and Galloway.)
- Galloway, Hope L. (See Frame and Galloway.)
- Galloway, Lee W. (See Wills, Preslay C., assignor.)
- Galloway, Louise T. (See Patterson, Warren D., assignor.)
- Galloway, Norval B., Streator, Ill. Hog-trap. No. 1,117,996; Nov. 24; Gaz. vol. 208; p. 1002.
- Galloway, Robert, Buffalo, N. Y. Suction apparatus. No. 1,113,426; Oct. 13; Gaz. vol. 207; p. 398.
- Galloway, William, Cardiff, Wales. Haulage-clip for endless ropes. No. 1,100,552; June 16; Gaz. vol. 203; p. 829.
- Gallup, Rockwell L. (See Wachs and Gallup.)
- Gallup, Rockwell L., Chicago, Ill., assignor, by mesne assignments, to N. Glab, Dubuque, Iowa. Bottle-washing machine. No. 1,093,841; Apr. 21; Gaz. vol. 201; p. 661.
- Galluzzo, Francesco R., assignor of one-half to S. Neiman, New York, N. Y. Divided skirt. No. 1,091,827; Mar. 31; Gaz. vol. 200; p. 1246.
- Gally, Robert A., Cincinnati, Ohio. Music-roll-propelling system. No. 1,101,842; June 30; Gaz. vol. 203; p. 1379.
- Gally, Robert A., Brooklyn, N. Y. Pneumatic and self-playing musical apparatus. No. 1,101,919; June 30; Gaz. vol. 203; p. 1406.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Web-guiding device. No. 1,093,046; Apr. 14; Gaz. vol. 201; p. 350.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Web-guiding detector device. No. 1,093,179; Apr. 14; Gaz. vol. 201; p. 398.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-playing pneumatic action. No. 1,101,173; June 23; Gaz. vol. 203; p. 1098.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument tempo-controller. No. 1,101,626; June 30; Gaz. vol. 203; p. 1306.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-sheet for self-playing apparatus. No. 1,101,690; June 30; Gaz. vol. 203; p. 1327.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player chests and tubes. No. 1,101,691; June 30; Gaz. vol. 203; p. 1327.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-playing air system. No. 1,102,216; June 30; Gaz. vol. 203; p. 1514.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument-roll adjuster. No. 1,103,138; July 14; Gaz. vol. 204; p. 366.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-case slide-door device. No. 1,103,193; July 14; Gaz. vol. 204; p. 387.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-pedal support. No. 1,103,753; July 14; Gaz. vol. 204; p. 580.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Air-valve. No. 1,103,754; July 14; Gaz. vol. 204; p. 581.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument-roll-gearing shift and brakes. No. 1,103,871; July 14; Gaz. vol. 204; p. 620.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument pumper connection. No. 1,103,872; July 14; Gaz. vol. 204; p. 621.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-playing-control system. No. 1,104,729; July 21; Gaz. vol. 204; p. 957.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player valve. No. 1,105,071; July 28; Gaz. vol. 204; p. 1125.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player valve-action. No. 1,106,040; Aug. 4; Gaz. vol. 205; p. 159.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Doors in multiple with control. No. 1,106,041; Aug. 4; Gaz. vol. 205; p. 160.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument self-playing device. No. 1,106,296; Aug. 4; Gaz. vol. 205; p. 244.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-roll winding and rewinding apparatus. No. 1,106,297; Aug. 4; Gaz. vol. 205; p. 244.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player and other tracker-bar. No. 1,108,071; Aug. 18; Gaz. vol. 205; p. 962.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Centering means for feed-guides. No. 1,109,573; Sept. 1; Gaz. vol. 206; p. 250.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Web-guiding device. No. 1,112,061; Sept. 29; Gaz. vol. 206; p. 1284.
- Galt, Hubert, Chicago, Ill. Pot for coffee, &c. No. 1,097,710; May 26; Gaz. vol. 202; p. 994.
- Galt, Hubert, Chicago, Ill. Pot for coffee, &c. No. 1,097,711; May 26; Gaz. vol. 202; p. 994.
- Galt, William J., Jr., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Garment-hook. No. 1,085,118; Jan. 27; Gaz. vol. 198; p. 715.
- Galway, John, *et al.* (See Taylor, James C., assignor.)
- Gamache, Edward E., assignor of one-fifth to J. K. Roy and one-fifth to W. McNamee, St. Louis, Mo. Car-fender. No. 1,094,387; Apr. 21; Gaz. vol. 201; p. 840.
- Gamallo, Victor V., Santiago de los Vegas, Cuba. Beehive. No. 1,117,180; Nov. 17; Gaz. vol. 208; p. 675.
- Gambill, Mary I., Honey Grove, Tex. Sanitary cleaner for bed-springs. No. 1,100,367; June 16; Gaz. vol. 203; p. 767.
- Gamble, Charles B., Minneapolis, Minn. Weighing mechanism and mileage-recorder. No. 1,113,609; Oct. 13; Gaz. vol. 207; p. 460.
- Gamble, Edward H., London, England. Three-color photography for printing-surfaces, making transparencies, and the like. No. 1,102,902; July 7; Gaz. vol. 204; p. 236.
- Gamble, Edward H., London, England. Production of photomechanical-printing surfaces. No. 1,102,903; July 7; Gaz. vol. 204; p. 236.
- Gamble, Frederick O., Chicago, Ill. Dental floss-holder. No. 1,102,401; July 7; Gaz. vol. 204; p. 63.
- Gamble, Frederick O., Chicago, Ill. Tool for using dental floss. No. 1,110,680; Sept. 15; Gaz. vol. 206; p. 728.
- Gamble, Hugh A., Greenville, Miss. Electric heater. No. 1,110,919; Sept. 15; Gaz. vol. 206; p. 812.
- Gamble, James H., Kenosha, Wis. Clothes-pin. No. 1,117,830; Nov. 17; Gaz. vol. 208; p. 906.
- Gamble, John, assignor to G. A. Reach, Philadelphia, Pa. Caddy-bag. No. 1,107,283; Aug. 18; Gaz. vol. 205; p. 684.
- Gamble, John, assignor to G. A. Reach, Philadelphia, Pa. Caddy-bag. No. 1,122,721; Dec. 29; Gaz. vol. 209; p. 1487.
- Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Preference-valve. No. 1,086,450; Feb. 10; Gaz. vol. 199; p. 349.
- Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Water-heating apparatus. No. 1,101,428; June 23; Gaz. vol. 203; p. 1184.
- Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Hot-water heating system. No. 1,114,247; Oct. 20; Gaz. vol. 207; p. 726.
- Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Valve. No. 1,114,978; Oct. 27; Gaz. vol. 207; p. 1035.

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- Gambrell, Thomas E., London, England. Plug-switch. No. 1,092,037; Mar. 31; Gaz. vol. 200; p. 1315.
- Gambsky, Martin G., Menasha, Wis. Mold for forming the lower sections of Mansard roofs upon buildings. No. 1,119,818; Dec. 8; Gaz. vol. 209; p. 351.
- Gamm, Charles C., and C. F. Nelson, Minneapolis, Minn. Vehicle-spring. No. 1,116,878; Nov. 10; Gaz. vol. 208; p. 531.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Type-holder. No. 1,088,409; Feb. 24; Gaz. vol. 199; p. 1124.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Type-holding device. No. 1,088,410; Feb. 24; Gaz. vol. 199; p. 1125.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,094,065; Apr. 21; Gaz. vol. 201; p. 735.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,122,722; Dec. 29; Gaz. vol. 209; p. 1487.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Machine for assembling and distributing type. No. 1,094,064; Apr. 21; Gaz. vol. 201; p. 735.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Distributing mechanism for type-cases. No. 1,094,891; Apr. 28; Gaz. vol. 201; p. 1078.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Linotype casting mechanism. No. 1,122,723; Dec. 29; Gaz. vol. 209; p. 1488.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Making printing-slugs. No. 1,122,724; Dec. 29; Gaz. vol. 209; p. 1488.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Making linotype-slugs. No. 1,122,725; Dec. 29; Gaz. vol. 209; p. 1488.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Apparatus for making line-slugs. No. 1,122,726; Dec. 29; Gaz. vol. 209; p. 1489.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Linotype-slug. No. 1,122,727; Dec. 29; Gaz. vol. 209; p. 1489.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Removable form-holder for printing-machines. No. 1,122,728; Dec. 29; Gaz. vol. 209; p. 1489.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Device for treating linotype-slugs. No. 1,122,729; Dec. 29; Gaz. vol. 209; p. 1490.
- Gammeter, John R., Akron, Ohio. Aerostat. No. 1,118,195; Nov. 24; Gaz. vol. 208; p. 1071.
- Gammeter, John R., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company. Vehicle wheel-rim. No. 1,088,656; Feb. 24; Gaz. vol. 199; p. 1204.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Slab-forming attachment for calendars. No. 1,089,467; Mar. 10; Gaz. vol. 200; p. 319.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company. Shoddy-strainer. No. 1,094,892; Apr. 28; Gaz. vol. 201; p. 1079.
- Gammeter, William F., Cadiz, Ohio. Stock-shell for winding fabrics. No. 1,104,296; July 21; Gaz. vol. 204; p. 807.
- Gamper, Otto, Munchwilen, Switzerland. Machine for facilitating the packing of magnetic objects of oblong shape. (Reissue.) No. 13,731; May 19; Gaz. vol. 202; p. 914.
- Ganderton, Thomas, assignor of one-half to C. Mueller, Cleveland, Ohio. Steam-engine. No. 1,089,408; Mar. 10; Gaz. vol. 200; p. 297.
- Ganderton, Thomas, assignor of one-half to C. Mueller, Cleveland, Ohio. Tool for preparing work to receive a lock-washer. No. 1,091,925; Mar. 31; Gaz. vol. 200; p. 1280.
- Gandy Belting Company of Baltimore City, The. (See Mark, George L., assignor.)
- Gandy, Miles, Cedarville, N. J. Oyster-dredge catcher. No. 1,117,023; Nov. 10; Gaz. vol. 208; p. 581.
- Gangewere, Rocky C., Selma, Ala. Slag-handling apparatus. No. 1,091,828; Mar. 31; Gaz. vol. 200; p. 1246.
- Gann, David B. (See Watrous, Edward L., assignor.)
- Gannon, John W., and W. S. Webber, Montgomery, Ala. Vehicle-tire. No. 1,118,757; Nov. 24; Gaz. vol. 208; p. 1267.
- Gans, Robert, Berlin-Grünwald, Germany. Removing oxygen from water. No. 1,117,831; Nov. 17; Gaz. vol. 208; p. 906.
- Gans, Robert, Pankow, near Berlin, assignor to J. D. Riedel, Aktiengesellschaft, Berlin, Germany. Hydrated alumino-silicates, or artificial zeolites, and making same. (Reissue.) No. 13,688; Feb. 17; Gaz. vol. 199; p. 907.
- Gans, Robert, Pankow, near Berlin, assignor to J. D. Riedel, Aktiengesellschaft, Berlin, Germany. Making hydrated alumino-silicates or artificial zeolites. (Reissue.) No. 13,691; Feb. 24; Gaz. vol. 199; p. 1211.
- Gans, Robert, Grünwald-Berlin, assignor to Permutit-Aktiengesellschaft, Berlin, Germany. Producing alumino-silicates. No. 1,121,490; Dec. 15; Gaz. vol. 209; p. 985.
- Ganter, Francis X., Baltimore, Md. Parquet flooring or paneling and making the same. No. 1,102,036; June 30; Gaz. vol. 203; p. 1450.
- Ganz, Charles, New York, N. Y., assignor to Treibacher Chemische Werke Gesellschaft mit beschränkter Haftung, Treibach, Austria-Hungary. Lighter. No. 1,088,271; Feb. 24; Gaz. vol. 199; p. 1079.
- Ganzhorn, Philip, Chicago, Ill. Meat-cutting machine. No. 1,084,854; Jan. 20; Gaz. vol. 198; p. 591.
- Gapen, Jotham C. (See Hecht and Gapen.)
- Gapp, John, Scranton, Pa. Track-sanding device. No. 1,102,577; July 7; Gaz. vol. 204; p. 125.
- Garaix, Jean M., Convent Station, N. J. Suspensory bandage. No. 1,116,879; Nov. 10; Gaz. vol. 208; p. 532.
- Garber, Jesse M., assignor to Nordyke & Marmor Company, Indianapolis, Ind. Shaft-bearing. No. 1,096,298; May 12; Gaz. vol. 202; p. 419.
- Garbutt, Allie G., Statenville, Ga. Air-valve for internal-combustion engines. No. 1,101,920; June 30; Gaz. vol. 203; p. 1407.
- Garceau, Ward V., Grand Rapids, Mich. Air-tank. No. 1,092,641; Apr. 7; Gaz. vol. 201; p. 180.
- Garden City Plating & Manufacturing Company. (See Kurtzon and Fahle, assignors.)
- Garden, Ernest D. R., Los Angeles, Cal. Implement for forming metal backs for artificial teeth. No. 1,113,325; Oct. 13; Gaz. vol. 207; p. 361.
- Gardie, Emil, and M. Hill, South St. Paul, Minn. Screening-machine for sand and gravel. No. 1,098,946; June 2; Gaz. vol. 203; p. 200.
- Gardiner, Asa B., Jr., Cockeysville, Md. Holding device for pasteurizing milk. No. 1,086,814; Feb. 10; Gaz. vol. 199; p. 477.
- Gardiner, John C. (See Foley and Gardiner.)
- Gardiner, John T., Tyndall, Manitoba, Canada. Attachment to planer-heads. No. 1,087,363; Feb. 17; Gaz. vol. 199; p. 716.
- Gardiner, Warren B., Saylesville, R. I. Guard for circular saws. No. 1,088,894; Mar. 3; Gaz. vol. 200; p. 76.
- Gardner, Adelbert L., Norwood Park, Ill., assignor of one-half to C. H. Gardner. Meat-slicing machine. No. 1,105,643; Aug. 4; Gaz. vol. 205; p. 20.
- Gardner, Alice M., executrix. (See Gardner, Frederick N. and F. E.)
- Gardner Carburetor & Brass Works. (See Gardner, Levi S., assignor.)
- Gardner, Charles B., Atlanta, Ga. Clutch-operating mechanism. No. 1,119,270; Dec. 1; Gaz. vol. 209; p. 126.
- Gardner, Clyde E. W., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,121,822; Dec. 22; Gaz. vol. 209; p. 1137.
- Gardner, Curtis H. (See Gardner, Adelbert L., assignor.)
- Gardner, Daniel. (See Trifonoff and Gardner.)
- Gardner, Edgar S., Acquackanonk, N. J., assignor to General Electric Company. Filament-mounting. No. 1,089,759; Mar. 10; Gaz. vol. 200; p. 420.
- Gardner, Edward H., Madison, Wis. Copy-holder for typewriters. No. 1,113,771; Oct. 13; Gaz. vol. 207; p. 517.
- Gardner, Frederic E. (See Gardner, Frederick N. and F. E.)
- Gardner, Frederick N., deceased, (A. M. Gardner, executrix.) and F. E. Gardner, assignors of one-third to L. W. Thompson, Beloit, Wis. Grinding or polishing wheel. No. 1,107,512; Aug. 18; Gaz. vol. 205; p. 766.
- Gardner, Harry L., Lowell, Mass., and W. L. Chase, East Providence, assignors to Taft Machine Company, Providence, R. I. Rug-rack. No. 1,088,141; Feb. 24; Gaz. vol. 199; p. 1034.
- Gardner, Harvey R., assignor to Home Creamery Manufacturing Company, Owatonna, Minn. Combined churn and butter-worker. No. 1,092,350; Apr. 7; Gaz. vol. 201; p. 79.
- Gardner, Henry A., Washington, D. C. Composition of matter and preparing same. No. 1,086,361; Feb. 10; Gaz. vol. 199; p. 319.
- Gardner, Henry A., Washington, D. C. Colored-cement product and producing the same. No. 1,100,129; June 16; Gaz. vol. 203; p. 684.
- Gardner, Henry A., Washington, D. C. Colored cement structure and making same. No. 1,106,298; Aug. 4; Gaz. vol. 205; p. 245.
- Gardner & Hight Co. (See Gardner, Percy, assignor.)
- Gardner, James A., Alma, Mich. Bean-sorter. No. 1,097,754; May 26; Gaz. vol. 202; p. 1010.
- Gardner, James A., Alma, Mich. Bean sorter and lifting head. No. 1,120,380; Dec. 8; Gaz. vol. 209; p. 548.
- Gardner, James H., assignor to C. G. Conn., Elkhart, Ind. Valve for brass wind musical instruments. No. 1,112,444; Oct. 6; Gaz. vol. 207; p. 10.

Alphabetical list of patentees—Continued.

- Gallagher, George S., assignor of one-half to H. Gallagher and one-half to E. G. Gallagher, New York, N. Y. Steam-boiler furnace. No. 1,084,853; Jan. 20; Gaz. vol. 198; p. 591.
- Gallagher, George S., assignor of one-half to H. Gallagher and one-half to E. G. Gallagher, New York, N. Y. Steam-boiler furnace. No. 1,085,859; Feb. 3; Gaz. vol. 199; p. 100.
- Gallagher, Henry, *et al.* (See Gallagher, George S., assignor.)
- Gallagher, John J. (See Chickering, Frank W., assignor.)
- Gallagher, John W., Seneca Falls, N. Y. Water heater or boiler. No. 1,122,381; Dec. 29; Gaz. vol. 209; p. 1368.
- Gallagher, Joseph D., *et al.* (See Thompson, Henry E., assignor.)
- Gallagher, Joseph D., Glen Ridge, assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Back for brake-shoes. No. 1,111,017; Sept. 22; Gaz. vol. 206; p. 889.
- Gallagher, Joseph D., Glen Ridge, assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Hinged back for brake-shoes. No. 1,117,366; Nov. 17; Gaz. vol. 208; p. 742.
- Gallagher, Joseph D., Glen Ridge, N. J., assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Segmental brake-shoe. No. 1,122,583; Dec. 29; Gaz. vol. 209; p. 1437.
- Gallagher, Percy L., *et al.* (See Thompson, Henry E., assignor.)
- Gallagher, Peter F., assignor of forty-nine one-hundredths to P. Coniff, Baltimore, Md. Means for connecting superheater-flues to flue-sheets of locomotives. No. 1,122,900; Dec. 29; Gaz. vol. 209; p. 1550.
- Gallagher, Richard D., Jr., New York, N. Y. Car-coupling. No. 1,107,602; Aug. 18; Gaz. vol. 205; p. 798.
- Gallagher, William H., Baltimore, and L. E. Grimes, Bowling, Md. Pipe-cutting appliance. No. 1,107,511; Aug. 18; Gaz. vol. 205; p. 766.
- Gallagher, William T., Richmond, Va. Swinging scaffold. No. 1,115,803; Nov. 3; Gaz. vol. 208; p. 113.
- Gallaher, Wallace G., Salida, Colo. Hay gathering and stacking machine. No. 1,109,674; Sept. 8; Gaz. vol. 206; p. 329.
- Gallay, Jean, Geneva, Switzerland. Electric search-lamp for automobiles. No. 1,083,530; Jan. 6; Gaz. vol. 198; p. 90.
- Galley, Elmer T. (See Somers, Clinton E., assignor.)
- Galligan, George, Herrin, Ill. Self-retaining spike. No. 1,118,544; Nov. 24; Gaz. vol. 208; p. 1195.
- Gallimore, Alva. (See Odell, Shealy L., assignor.)
- Gallison, Ernest A., Everett, Mass., assignor to Colonial Fast Color Tipping Company, Kittery, Me. Tipped lacing. No. 1,108,738; Aug. 25; Gaz. vol. 205; p. 1241.
- Gallo, Charles. (See Burnett, Thomas H., assignor.)
- Galloway, Charles N., Neersville, Va. Rural mail-box. No. 1,112,129; Sept. 29; Gaz. vol. 206; p. 1307.
- Galloway, George. (See Whitehead, Layland, and Galloway.)
- Galloway, Hope L. (See Frame and Galloway.)
- Galloway, Lee W. (See Wills, Preslay C., assignor.)
- Galloway, Louise T. (See Patterson, Warren D., assignor.)
- Galloway, Norval B., Streator, Ill. Hog-trap. No. 1,117,996; Nov. 24; Gaz. vol. 208; p. 1002.
- Galloway, Robert, Buffalo, N. Y. Suction apparatus. No. 1,113,426; Oct. 13; Gaz. vol. 207; p. 398.
- Galloway, William, Cardiff, Wales. Haulage-clip for endless ropes. No. 1,100,552; June 16; Gaz. vol. 203; p. 829.
- Gallup, Rockwell L. (See Wachs and Gallup.)
- Gallup, Rockwell L., Chicago, Ill., assignor, by mesne assignments, to N. Glab, Dubuque, Iowa. Bottle-washing machine. No. 1,093,841; Apr. 21; Gaz. vol. 201; p. 661.
- Galluzzo, Francesco R., assignor of one-half to S. Neiman, New York, N. Y. Divided skirt. No. 1,091,827; Mar. 31; Gaz. vol. 200; p. 1246.
- Gally, Robert A., Cincinnati, Ohio. Music-roll-propelling system. No. 1,101,842; June 30; Gaz. vol. 203; p. 1379.
- Gally, Robert A., Brooklyn, N. Y. Pneumatic and self-playing musical apparatus. No. 1,101,919; June 30; Gaz. vol. 203; p. 1406.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Web-guiding device. No. 1,093,046; Apr. 14; Gaz. vol. 201; p. 350.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Web-guiding detector device. No. 1,093,179; Apr. 14; Gaz. vol. 201; p. 398.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-playing pneumatic action. No. 1,101,173; June 23; Gaz. vol. 203; p. 1098.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument tempo-controller. No. 1,101,626; June 30; Gaz. vol. 203; p. 1306.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-sheet for self-playing apparatus. No. 1,101,690; June 30; Gaz. vol. 203; p. 1327.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player chests and tubes. No. 1,101,691; June 30; Gaz. vol. 203; p. 1327.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-playing air system. No. 1,102,216; June 30; Gaz. vol. 203; p. 1514.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument-roll adjuster. No. 1,103,138; July 14; Gaz. vol. 204; p. 366.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-case slide-door device. No. 1,103,193; July 14; Gaz. vol. 204; p. 387.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-pedal support. No. 1,103,753; July 14; Gaz. vol. 204; p. 580.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Air-valve. No. 1,103,754; July 14; Gaz. vol. 204; p. 581.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument-roll-gearing shift and brakes. No. 1,103,871; July 14; Gaz. vol. 204; p. 620.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument pumper connection. No. 1,103,872; July 14; Gaz. vol. 204; p. 621.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-playing-control system. No. 1,104,729; July 21; Gaz. vol. 204; p. 957.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player valve. No. 1,105,071; July 28; Gaz. vol. 204; p. 1125.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player valve-action. No. 1,106,040; Aug. 4; Gaz. vol. 205; p. 159.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Doors in multiple with control. No. 1,106,041; Aug. 4; Gaz. vol. 205; p. 160.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument self-playing device. No. 1,106,296; Aug. 4; Gaz. vol. 205; p. 244.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-roll winding and rewinding apparatus. No. 1,106,297; Aug. 4; Gaz. vol. 205; p. 244.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player and other tracker-bar. No. 1,108,071; Aug. 18; Gaz. vol. 205; p. 962.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Centering means for feed-guides. No. 1,109,573; Sept. 1; Gaz. vol. 206; p. 250.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Web-guiding device. No. 1,112,061; Sept. 29; Gaz. vol. 206; p. 1284.
- Galt, Hubert, Chicago, Ill. Pot for coffee, &c. No. 1,097,710; May 26; Gaz. vol. 202; p. 994.
- Galt, Hubert, Chicago, Ill. Pot for coffee, &c. No. 1,097,711; May 26; Gaz. vol. 202; p. 994.
- Galt, William J., Jr., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Garment-hook. No. 1,085,118; Jan. 27; Gaz. vol. 198; p. 715.
- Galway, John, *et al.* (See Taylor, James C., assignor.)
- Gamache, Edward E., assignor of one-fifth to J. K. Roy and one-fifth to W. McNamee, St. Louis, Mo. Car-fender. No. 1,094,387; Apr. 21; Gaz. vol. 201; p. 840.
- Gamallo, Victor V., Santiago de los Vegas, Cuba. Beehive. No. 1,117,180; Nov. 17; Gaz. vol. 208; p. 675.
- Gambill, Mary I., Honey Grove, Tex. Sanitary cleaner for bed-springs. No. 1,100,367; June 16; Gaz. vol. 203; p. 767.
- Gamble, Charles B., Minneapolis, Minn. Weighing mechanism and mileage-recorder. No. 1,113,609; Oct. 13; Gaz. vol. 207; p. 460.
- Gamble, Edward H., London, England. Three-color photography for printing-surfaces, making transparencies, and the like. No. 1,102,902; July 7; Gaz. vol. 204; p. 236.
- Gamble, Edward H., London, England. Production of photomechanical-printing surfaces. No. 1,102,903; July 7; Gaz. vol. 204; p. 236.
- Gamble, Frederick O., Chicago, Ill. Dental floss-holder. No. 1,102,401; July 7; Gaz. vol. 204; p. 63.
- Gamble, Frederick O., Chicago, Ill. Tool for using dental floss. No. 1,110,680; Sept. 15; Gaz. vol. 206; p. 728.
- Gamble, Hugh A., Greenville, Miss. Electric heater. No. 1,110,919; Sept. 15; Gaz. vol. 206; p. 812.
- Gamble, James H., Kenosha, Wis. Clothes-pin. No. 1,117,830; Nov. 17; Gaz. vol. 208; p. 906.
- Gamble, John, assignor to G. A. Reach, Philadelphia, Pa. Caddy-bag. No. 1,107,283; Aug. 18; Gaz. vol. 205; p. 684.
- Gamble, John, assignor to G. A. Reach, Philadelphia, Pa. Caddy-bag. No. 1,122,721; Dec. 29; Gaz. vol. 209; p. 1487.
- Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Preference-valve. No. 1,086,450; Feb. 10; Gaz. vol. 199; p. 349.
- Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Water-heating apparatus. No. 1,101,428; June 23; Gaz. vol. 203; p. 1184.
- Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Hot-water heating system. No. 1,114,247; Oct. 20; Gaz. vol. 207; p. 726.
- Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Valve. No. 1,114,978; Oct. 27; Gaz. vol. 207; p. 1035.

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- Gambsky, Martin G., Menasha, Wis. Mold for forming the lower sections of Mansard roofs upon buildings. No. 1,119,818; Dec. 8; Gaz. vol. 209; p. 351.
- Gamm, Charles C., and C. F. Nelson, Minneapolis, Minn. Vehicle-spring. No. 1,116,878; Nov. 10; Gaz. vol. 208; p. 531.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Type-holder. No. 1,088,409; Feb. 24; Gaz. vol. 199; p. 1124.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Type-holding device. No. 1,088,410; Feb. 24; Gaz. vol. 199; p. 1125.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,094,065; Apr. 21; Gaz. vol. 201; p. 735.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,122,722; Dec. 29; Gaz. vol. 209; p. 1487.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Machine for assembling and distributing type. No. 1,094,064; Apr. 21; Gaz. vol. 201; p. 735.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Distributing mechanism for type-cases. No. 1,094,891; Apr. 28; Gaz. vol. 201; p. 1078.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Linotype casting mechanism. No. 1,122,723; Dec. 29; Gaz. vol. 209; p. 1488.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Making printing-slugs. No. 1,122,724; Dec. 29; Gaz. vol. 209; p. 1488.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Making linotype-slugs. No. 1,122,725; Dec. 29; Gaz. vol. 209; p. 1488.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Apparatus for making line-slugs. No. 1,122,726; Dec. 29; Gaz. vol. 209; p. 1489.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Linotype-slug. No. 1,122,727; Dec. 29; Gaz. vol. 209; p. 1489.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Removable form-holder for printing-machines. No. 1,122,728; Dec. 29; Gaz. vol. 209; p. 1489.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Device for treating linotype-slugs. No. 1,122,729; Dec. 29; Gaz. vol. 209; p. 1490.
- Gammeter, John R., Akron, Ohio. Aerostat. No. 1,118,195; Nov. 24; Gaz. vol. 208; p. 1071.
- Gammeter, John R., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company. Vehicle wheel-rim. No. 1,088,656; Feb. 24; Gaz. vol. 199; p. 1204.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company. New York, N. Y. Slab-forming attachment for calendars. No. 1,089,467; Mar. 10; Gaz. vol. 200; p. 319.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company. Shoddy-strainer. No. 1,094,892; Apr. 28; Gaz. vol. 201; p. 1079.
- Gammeter, William F., Cadiz, Ohio. Stock-shell for winding fabrics. No. 1,104,296; July 21; Gaz. vol. 204; p. 807.
- Gamper, Otto, Munchwilen, Switzerland. Machine for facilitating the packing of magnetic objects of oblong shape. (Reissue.) No. 13,731; May 19; Gaz. vol. 202; p. 914.
- Ganderton, Thomas, assignor of one-half to C. Mueller, Cleveland, Ohio. Steam-engine. No. 1,089,408; Mar. 10; Gaz. vol. 200; p. 297.
- Ganderton, Thomas, assignor of one-half to C. Mueller, Cleveland, Ohio. Tool for preparing work to receive a lock-washer. No. 1,091,925; Mar. 31; Gaz. vol. 200; p. 1280.
- Gandy Belting Company of Baltimore City, The. (See Mark, George L., assignor.)
- Gandy, Miles, Cedarville, N. J. Oyster-dredge catcher. No. 1,117,023; Nov. 10; Gaz. vol. 208; p. 581.
- Gangewere, Rocky C., Selma, Ala. Slag-handling apparatus. No. 1,091,828; Mar. 31; Gaz. vol. 200; p. 1246.
- Gann, David B. (See Watrous, Edward L., assignor.)
- Gannon, John W., and W. S. Webber, Montgomery, Ala. Vehicle-tire. No. 1,118,757; Nov. 24; Gaz. vol. 208; p. 1267.
- Gans, Robert, Berlin-Grünwald, Germany. Removing oxygen from water. No. 1,117,831; Nov. 17; Gaz. vol. 208; p. 906.
- Gans, Robert, Pankow, near Berlin, assignor to J. D. Riedel, Aktiengesellschaft, Berlin, Germany. Hydrated aluminosilicates, or artificial zeolites, and making same. (Reissue.) No. 13,688; Feb. 17; Gaz. vol. 199; p. 907.
- Gans, Robert, Pankow, near Berlin, assignor to J. D. Riedel Aktiengesellschaft, Berlin, Germany. Making hydrated aluminosilicates or artificial zeolites. (Reissue.) No. 13,691; Feb. 24; Gaz. vol. 199; p. 1211.
- Gans, Robert, Grünwald-Berlin, assignor to Permutit-Aktiengesellschaft, Berlin, Germany. Producing aluminosilicates. No. 1,121,490; Dec. 15; Gaz. vol. 209; p. 985.
- Ganter, Francis X., Baltimore, Md. Parquet flooring or paneling and making the same. No. 1,102,036; June 30; Gaz. vol. 203; p. 1450.
- Ganz, Charles, New York, N. Y., assignor to Treibacher Chemische Werke Gesellschaft mit beschränkter Haftung, Treibach, Austria-Hungary. Lighter. No. 1,088,271; Feb. 24; Gaz. vol. 199; p. 1079.
- Ganzhorn, Philip, Chicago, Ill. Meat-cutting machine. No. 1,084,854; Jan. 20; Gaz. vol. 198; p. 591.
- Gapen, Jotham C. (See Hecht and Gapen.)
- Gapp, John, Scranton, Pa. Track-sanding device. No. 1,102,577; July 7; Gaz. vol. 204; p. 125.
- Garaix, Jean M., Convent Station, N. J. Suspensory bandage. No. 1,116,879; Nov. 10; Gaz. vol. 208; p. 532.
- Garber, Jesse M., assignor to Nordyke & Marmon Company, Indianapolis, Ind. Shaft-bearing. No. 1,096,298; May 12; Gaz. vol. 202; p. 419.
- Garbutt, Allie G., Statenville, Ga. Air-valve for internal-combustion engines. No. 1,101,920; June 30; Gaz. vol. 203; p. 1407.
- Garceau, Ward V., Grand Rapids, Mich. Air-tank. No. 1,092,641; Apr. 7; Gaz. vol. 201; p. 180.
- Garden City Plating & Manufacturing Company. (See Kurtzon and Fable, assignors.)
- Garden, Ernest D. R., Los Angeles, Cal. Implement for forming metal backs for artificial teeth. No. 1,113,325; Oct. 13; Gaz. vol. 207; p. 361.
- Gardie, Emil, and M. Hill, South St. Paul, Minn. Screening-machine for sand and gravel. No. 1,098,946; June 2; Gaz. vol. 203; p. 200.
- Gardiner, Asa B., Jr., Cockeysville, Md. Holding device for pasteurizing milk. No. 1,086,814; Feb. 10; Gaz. vol. 199; p. 477.
- Gardiner, John C. (See Foley and Gardiner.)
- Gardiner, John T., Tyndall, Manitoba, Canada. Attachment to planer-heads. No. 1,087,363; Feb. 17; Gaz. vol. 199; p. 716.
- Gardiner, Warren B., Saylesville, R. I. Guard for circular saws. No. 1,088,894; Mar. 3; Gaz. vol. 200; p. 76.
- Gardner, Adelbert L., Norwood Park, Ill., assignor of one-half to C. H. Gardner. Meat-slicing machine. No. 1,105,643; Aug. 4; Gaz. vol. 205; p. 20.
- Gardner, Alice M., executrix. (See Gardner, Frederick N. and F. E.)
- Gardner Carburetor & Brass Works. (See Gardner, Levi S., assignor.)
- Gardner, Charles B., Atlanta, Ga. Clutch-operating mechanism. No. 1,119,270; Dec. 1; Gaz. vol. 209; p. 126.
- Gardner, Clyde E. W., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,121,822; Dec. 22; Gaz. vol. 209; p. 1137.
- Gardner, Curtis H. (See Gardner, Adelbert L., assignor.)
- Gardner, Daniel. (See Trifonoff and Gardner.)
- Gardner, Edgar S., Acquackanonck, N. J., assignor to General Electric Company. Filament-mounting. No. 1,089,759; Mar. 10; Gaz. vol. 200; p. 420.
- Gardner, Edward H., Madison, Wis. Copy-holder for typewriters. No. 1,113,771; Oct. 13; Gaz. vol. 207; p. 517.
- Gardner, Frederic E. (See Gardner, Frederick N. and F. E.)
- Gardner, Frederick N., deceased, (A. M. Gardner, executrix.) and F. E. Gardner, assignors of one-third to L. W. Thompson, Beloit, Wis. Grinding or polishing wheel. No. 1,107,512; Aug. 18; Gaz. vol. 205; p. 766.
- Gardner, Harry L., Lowell, Mass., and W. L. Chase, East Providence, assignors to Taft Machine Company, Providence, R. I. Rug-rack. No. 1,088,141; Feb. 24; Gaz. vol. 199; p. 1034.
- Gardner, Harvey R., assignor to Home Creamery Manufacturing Company, Owatonna, Minn. Combined churn and butter-worker. No. 1,092,350; Apr. 7; Gaz. vol. 201; p. 79.
- Gardner, Henry A., Washington, D. C. Composition of matter and preparing same. No. 1,086,361; Feb. 10; Gaz. vol. 199; p. 319.
- Gardner, Henry A., Washington, D. C. Colored-cement product and producing the same. No. 1,100,129; June 16; Gaz. vol. 203; p. 684.
- Gardner, Henry A., Washington, D. C. Colored cement structure and making same. No. 1,106,298; Aug. 4; Gaz. vol. 205; p. 245.
- Gardner & Hight Co. (See Gardner, Percy, assignor.)
- Gardner, James A., Alma, Mich. Bean-sorter. No. 1,097,754; May 26; Gaz. vol. 202; p. 1010.
- Gardner, James A., Alma, Mich. Bean sorter and lifting head. No. 1,120,380; Dec. 8; Gaz. vol. 209; p. 548.
- Gardner, James H., assignor to C. G. Conn., Elkhart, Ind. Valve for brass wind musical instruments. No. 1,112,444; Oct. 6; Gaz. vol. 207; p. 10.

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- Gardner, James W. S., Saylesville, R. I. Automatic head-light-turning device. No. 1,103,755; July 14; Gaz. vol. 204; p. 581.
- Gardner, Jefferson M., New London, Conn. Boat. No. 1,117,367; Nov. 17; Gaz. vol. 208; p. 742.
- Gardner, Jesse, Austin, Tex. Sink. No. 1,090,704; Mar. 17; Gaz. vol. 200; p. 787.
- Gardner, Jesse O., Massillon, Ohio. Car-ticket and card holder. No. 1,088,142; Feb. 24; Gaz. vol. 199; p. 1035.
- Gardner, John A., Grifton, assignor of one-half to J. R. Smith and Bro., Ayden, N. C. Seed-crusher. No. 1,097,420; May 19; Gaz. vol. 202; p. 849.
- Gardner, John G., New York, N. Y. Shoe-tree. No. 1,095,724; May 5; Gaz. vol. 202; p. 188.
- Gardner, John P., Cairo, Ill. Weather-strip. No. 1,093,394; Apr. 14; Gaz. vol. 201; p. 472.
- Gardner, John P., Cairo, Ill. Tack-driver. No. 1,106,646; Aug. 11; Gaz. vol. 205; p. 415.
- Gardner, John W., Quincy, Ill. Valve structure for air-compressors and the like. No. 1,107,284; Aug. 18; Gaz. vol. 205; p. 684.
- Gardner, Joseph B., North McAlester, Okla. Supplemental car-step. No. 1,117,368; Nov. 17; Gaz. vol. 208; p. 742.
- Gardner, Joseph M., Los Angeles, Cal. Folding bed. No. 1,085,562; Jan. 27; Gaz. vol. 198; p. 865.
- Gardner, Levi S., Shreveport, La. Calipers. No. 1,092,254; Apr. 7; Gaz. vol. 201; p. 44.
- Gardner, Levi S., Shreveport, La. Internal-combustion engine. No. 1,095,102; Apr. 28; Gaz. vol. 201; p. 1151.
- Gardner, Levi S., New Orleans, assignor to Gardner Carburetor & Brass Works, Shreveport, La. Carbureter. No. 1,095,101; Apr. 28; Gaz. vol. 201; p. 1150.
- Gardner, Marshall B., Aurora, Ill. Geographical apparatus. No. 1,096,102; May 12; Gaz. vol. 202; p. 351.
- Gardner, Percy, assignor to Gardner & Highet Co., New York, N. Y. Ribbon-display cabinet. No. 1,098,897; June 2; Gaz. vol. 203; p. 184.
- Gardner, Percy, assignor to Gardner & Highet Co., New York, N. Y. Ribbon-package. No. 1,112,062; Sept. 29; Gaz. vol. 206; p. 1284.
- Gardner, Randall D., Boston, Mass. Lifting device. No. 1,091,829; Mar. 31; Gaz. vol. 200; p. 1247.
- Gardner, Rio. (See Burton and Gardner.)
- Gardner, William R., assignor to American Beet Topper Company, Los Angeles, Cal. Beet-topper. No. 1,107,603; Aug. 18; Gaz. vol. 205; p. 799.
- Gardonyi, Giza, Cleveland, Ohio. Refrigerator. No. 1,107,928; Aug. 18; Gaz. vol. 205; p. 911.
- Garey, George G., Indianapolis, Ind. Stove and furnace. No. 1,114,248; Oct. 20; Gaz. vol. 207; p. 726.
- Garey, George G., Indianapolis, Ind. Water-reservoir attachment for stoves and ranges. No. 1,115,063; Oct. 27; Gaz. vol. 207; p. 1066.
- Garfield, Isidor Z., and N. Goldfarb, assignors to S. Loewy, New York, N. Y. Machine for packaging powders. No. 1,091,568; Mar. 31; Gaz. vol. 200; p. 1155.
- Garfield, Robert K., El Reno, and C. C. Brown, Geary, Okla.; said Brown assignor to said Garfield. Car-wheel. No. 1,119,945; Dec. 8; Gaz. vol. 209; p. 395.
- Garford, Arthur L., assignor to The Garford Company, Elyria, Ohio. Fender. No. 1,110,433; Sept. 15; Gaz. vol. 206; p. 640.
- Garford Company, The. (See Garford, Arthur L., assignor.)
- Garford Manufacturing Company, The. (See Dean, William W., assignor.)
- Garford Manufacturing Company, The. (See Manson, Ray H., assignor.)
- Gargon, Edward, Philadelphia, Pa. Coat and hat protector. No. 1,105,504; July 28; Gaz. vol. 204; p. 1278.
- Garland, Claude M., Chicago, Ill. Gas-producer. No. 1,114,979; Oct. 27; Gaz. vol. 207; p. 1035.
- Garland, Claude M., Chicago, Ill. Gas-producer. No. 1,115,804; Nov. 3; Gaz. vol. 208; p. 113.
- Garland, Claude M., Chicago, Ill. Gas-producer. No. 1,115,805; Nov. 3; Gaz. vol. 208; p. 113.
- Garland, John G., assignor of one-half to E. L. Crouch and one-half to D. S. Gurly, High Point, N. C. Mail-bag catching and delivering mechanism. No. 1,115,657; Nov. 3; Gaz. vol. 208; p. 65.
- Garland, Thomas H. (See Pachaly, Robert W., assignor.)
- Garland, Thomas H., Chicago, Ill. Refrigerating apparatus for railway-cars. No. 1,121,240; Dec. 15; Gaz. vol. 209; p. 898.
- Garland, Thomas H., Chicago, Ill. Ventilating attachment for windows. No. 1,121,241; Dec. 15; Gaz. vol. 209; p. 898.
- Garland, William L., Llanerch, Pa., assignor, by mesne assignments, to Standard Heat and Ventilation Company, Inc., New York, N. Y. Car-heating system. No. 1,098,619; June 2; Gaz. vol. 203; p. 91.
- Garlington, Jesse M., Ottawa, Ill. Match-box. No. 1,110,321; Sept. 15; Gaz. vol. 206; p. 600.
- Garlitz, William T., McKees Rocks, Pa. Magnetic skelp-charging machine. No. 1,113,772; Oct. 13; Gaz. vol. 207; p. 518.
- Garlock Auto Specialty Company. (See Whiting, Herman E., assignor.)
- Garlough, Elmo V., *et al.* (See Whitcomb, James, assignor.)
- Garman, Adrian S., Philadelphia, Pa. Phonograph stop and starter. No. 1,121,345; Dec. 15; Gaz. vol. 209; p. 935.
- Garman, Lauritz C., assignor to The Crown Cork & Seal Company of Baltimore City, Baltimore, Md. Bottle-capping machine. No. 1,114,745; Oct. 27; Gaz. vol. 207; p. 951.
- Garman, Raymond H., Chicago, Ill. Illustrated book. No. 1,089,922; Mar. 10; Gaz. vol. 200; p. 477.
- Garman, Raymond H., Chicago, Ill. Book for children. No. 1,110,434; Sept. 15; Gaz. vol. 206; p. 641.
- Garment Pressing Machine Co. (See Becker, Morris, assignor.)
- Garner, Frederick W., Islington, England. Coin-displaying device. No. 1,122,493; Dec. 29; Gaz. vol. 209; p. 1406.
- Garner, Martin D., Oklahoma, Okla. Railway-switch mechanism. No. 1,117,997; Nov. 24; Gaz. vol. 208; p. 1002.
- Garner, Vernon, assignor to United Printing Machinery Company, Boston, Mass. Paper-feeding machine. No. 1,108,569; Aug. 25; Gaz. vol. 205; p. 1184.
- Garness, Ole N., Bellingham, Wis. Saw-set. No. 1,103,668; July 14; Gaz. vol. 204; p. 553.
- Garon, George E., Manchester, N. H. Chalk-holding means. No. 1,103,955; July 21; Gaz. vol. 204; p. 691.
- Garpheide, Fritz, Solingen, assignor to A. Benninghoven, Wiesbaden, Germany. Apparatus for treating food articles. No. 1,115,806; Nov. 3; Gaz. vol. 208; p. 114.
- Garr, Ollie N., Lexington, Ky. Ratchet device. No. 1,098,434; June 2; Gaz. vol. 203; p. 27.
- Garratt, James H., assignor of one-half to H. G. Brooks, Rochester, N. Y. Ejecting mechanism for presses. No. 1,108,898; Sept. 1; Gaz. vol. 206; p. 12.
- Garraway, Lee O., Memphis, Tenn. Folding extension-ladder. No. 1,085,563; Jan. 27; Gaz. vol. 198; p. 866.
- Garraway, Lee O., Memphis, Tenn. Folding step-ladder. No. 1,108,896; Sept. 1; Gaz. vol. 206; p. 12.
- Garrecht, Frederick, Idaho City, Idaho. Extensible electric-light fixture. No. 1,095,844; May 5; Gaz. vol. 202; p. 229.
- Garrecht, George, assignor to Haynes-Langenberg Manufacturing Company, St. Louis, Mo. Furnace. No. 1,087,875; Feb. 17; Gaz. vol. 199; p. 893.
- Garred, Ulysses A., assignor of one-third to A. E. Wiggins and one-third to F. Laist, Anaconda, Mont. Multiple-deck concentrator. No. 1,093,986; Apr. 21; Gaz. vol. 201; p. 708.
- Garrelts, J. J. (See Wicker, John T., assignor.)
- Garretson, David I., New York, N. Y. Tool-handle. No. 1,114,249; Oct. 20; Gaz. vol. 207; p. 726.
- Garretson, David I., New York, N. Y. Tool-handle. No. 1,114,250; Oct. 20; Gaz. vol. 207; p. 727.
- Garrett, Carlton M. (See Amberg, Walter E., assignor.)
- Garrett, Dwight E., Delta, Iowa. Knockdown receptacle. No. 1,091,328; Mar. 24; Gaz. vol. 200; p. 1030.
- Garrett, Frank S., Hoboken, N. J., assignor to Rockwell Furnace Company. Core-oven. No. 1,099,546; June 9; Gaz. vol. 203; p. 447.
- Garrett, Gloster J. and H. C., Richmond, Ind. Spring-wheel. No. 1,084,882; Jan. 20; Gaz. vol. 198; p. 600.
- Garrett Go-Cart & Carriage Company. (See Layton and Lowe, assignors.)
- Garrett, Herbert C. (See Garrett, Gloster J. and H. C.)
- Garrett, Levi W., Pendleton, Oreg. Latch-operating device. No. 1,100,553; June 16; Gaz. vol. 203; p. 829.
- Garrett, Myers A., Chicago, Ill. Tank-car. No. 1,087,939; Feb. 24; Gaz. vol. 199; p. 962.
- Garrett, Myers A., Chicago, Ill. Car-coupling. No. 1,107,929; Aug. 18; Gaz. vol. 205; p. 911.
- Garrett, Robert T., Philadelphia, Pa. Time-regulator for dampers of furnaces, ranges, or stoves. No. 1,111,713; Sept. 22; Gaz. vol. 206; p. 1129.
- Garrett, Walter B. (See Hoffman and Garrett.)
- Garrie, Daniel T. (See Wappler, Reinhold H., assignor.)
- Garrigan, William H., and P. B. Daubenspeck, Coalinga, Cal. Elevator and spider for handling well-casings. No. 1,093,842; Apr. 21; Gaz. vol. 201; p. 661.
- Garrison, Edward N., assignor to The Burns & Bassick Company, Bridgeport, Conn. Making hollow set-screws. No. 1,098,716; June 2; Gaz. vol. 203; p. 123.
- Garrison, Henry L., Chicago, Ill. Game apparatus. No. 1,116,583; Nov. 10; Gaz. vol. 208; p. 426.
- Garrison, Philip C., and R. Boomer, Detroit, Mich. Electric heat unit. No. 1,092,790; Apr. 7; Gaz. vol. 201; p. 228.
- Garrity, George F., Scranton, Pa. Railway-spike. No. 1,092,351; Apr. 7; Gaz. vol. 201; p. 79.
- Garrity, Thomas C., Lincoln, Kans. Boot-fastener for drills. No. 1,113,773; Oct. 13; Gaz. vol. 207; p. 518.
- Garst, Dudley, Waterloo, Iowa. Means for clearing the surface of dirt-working tools. No. 1,122,584; Dec. 29; Gaz. vol. 209; p. 1437.
- Garst, Julius. (See Johnson, Lawrence E., assignor.)
- Garst, Stephen H., assignor to D. M. Sechler Implement & Carriage Co., Moline, Ill. Antifriction-bearing for furrow-openers. No. 1,107,777; Aug. 18; Gaz. vol. 205; p. 861.
- Garthing, George. (See Schelling and Phillips, assignors.)
- Gärtner, Hermann, Lintorf, near Düsseldorf, Germany. Wire-nail machine. No. 1,098,244; May 26; Gaz. vol. 202; p. 1181.

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- Gartner, Walter, Hamburg, Germany. Furnace. No. 1,089,409; Mar. 10; Gaz. vol. 200; p. 297.
- Garton, Harold W., Brooklyn, N. Y. Arrester for strong currents. No. 1,105,557; July 28; Gaz. vol. 204; p. 1296.
- Garton, John T., Toronto, Ontario, Canada. Windmill. No. 1,087,756; Feb. 17; Gaz. vol. 199; p. 854.
- Gartrell, Francis W., Washington, D. C., assignor of two-fifths to D. M. Wallace, Takoma Park, Md. Wall-tie. No. 1,114,251; Oct. 20; Gaz. vol. 207; p. 727.
- Gartside, Joseph H., Philadelphia, Pa. Box-fastener. No. 1,088,411; Feb. 24; Gaz. vol. 199; p. 1125.
- Gartside, Joseph H., Philadelphia, Pa. Means for indicating broken rails. No. 1,092,986; Apr. 14; Gaz. vol. 201; p. 330.
- Garver, Benjamin F. (See Bamberger and Gulstwhite, assignors.)
- Garver, Charles, Fort Wayne, Ind. Hide-stretcher. No. 1,084,004; Jan. 13; Gaz. vol. 198; p. 276.
- Garver, Frank. (See Brown and Garver.)
- Garvey, Christopher A. (See McCauley, Albert J., assignor.)
- Garvey, Thomas A. (See Bradshaw and Garvey.)
- Garvin Machine Company, The. (See McClellan, Edward J., assignor.)
- Garvin, Samuel, Chicago, Ill. Bowl for suspension-chains. No. 1,122,494; Dec. 29; Gaz. vol. 209; p. 1406.
- Garvin, Thomas V. (See Frambach and Corrington, assignors.)
- Garwood, Donn A., Kansas City, Mo. Pocket cigarette-making machine. No. 1,087,230; Feb. 17; Gaz. vol. 199; p. 671.
- Garwood Gas-Lamp and Heater Company, The. (See Ronk, Frank C., assignor.)
- Gary, Benjamin L., Madison, N. J. Nut-lock. No. 1,122,901; Dec. 29; Gaz. vol. 209; p. 1551.
- Gary, Howland R. (See Cummings, Henry H., assignor.)
- Gary, John T., Atlanta, Ga. Trolley-hanger. No. 1,114,130; Oct. 20; Gaz. vol. 207; p. 682.
- Gas Machinery Company, The. (See Peiter, Frederick, assignor.)
- Gas and Oil Combustion Company. (See Creelman, Frank, assignor.)
- Gas and Oil Combustion Company. (See Lucke and Creelman, assignors.)
- Gasau, Otto, and O. Marklein, New York, N. Y. Couch-bed. No. 1,107,665; Aug. 18; Gaz. vol. 205; p. 822.
- Gasch, Herman E., *et al.* (See Price, Corwin T., assignor.)
- Gash & Lafkowitz. (See Lafkowitz, Harris, assignor.)
- Gaskill, Charles, Cordova, Alaska. Hand-hook. No. 1,116,688; Nov. 10; Gaz. vol. 208; p. 465.
- Gaskill, Charles E., El Paso, Tex. Pistol-holster. No. 1,120,190; Dec. 8; Gaz. vol. 209; p. 481.
- Gaskill, Charles S., Wilmington, Del. Velling. No. 1,086,592; Feb. 10; Gaz. vol. 199; p. 400.
- Gaskill, Edwin A. and J. F., Laneville, W. Va. Tower-spar. No. 1,083,277; Jan. 6; Gaz. vol. 198; p. 6.
- Gaskill, Harry W., assignor of one-half to D. J. McCauley, Columbus, N. Mex. Match-box. No. 1,098,245; May 26; Gaz. vol. 202; p. 1181.
- Gaskill, Joseph F. (See Gaskill, Edwin A. and J. F.)
- Gasoline Turbine Motor Company. (See Morgan, Charles W., assignor.)
- Gáspár, John, Bridgeport, Conn. Safety gas-burner. No. 1,105,027; July 28; Gaz. vol. 204; p. 1109.
- Gassaway, Huey E., Floyd, Tex. Stay-hinge. No. 1,093,843; Apr. 21; Gaz. vol. 201; p. 662.
- Gasser, Heinrich A., Wiesbaden, Germany. Column apparatus for distilling, cooling, heating, and similar purposes. No. 1,089,831; Mar. 10; Gaz. vol. 200; p. 445.
- Gasser, Milton H., Toledo, Ohio. Removing chaff from coffee. No. 1,092,831; Apr. 14; Gaz. vol. 201; p. 278.
- Gasser, Sanford, Sherman, Mich. Rail-holder. No. 1,092,525; Apr. 7; Gaz. vol. 201; p. 139.
- Gassler, Stephen, Linden, N. J. Refuse-wagon. No. 1,122,902; Dec. 29; Gaz. vol. 209; p. 1551.
- Gassmann, Eugene, assignor to Eisemann Magneto Co., Brooklyn, N. Y. Electrical igniting device for internal-combustion engines. No. 1,108,739; Aug. 25; Gaz. vol. 205; p. 1241.
- Gassmann, Eugene, assignor to Eisemann Magneto Co., Brooklyn, N. Y. Distributer for electrical ignition systems for internal-combustion engines. No. 1,120,301; Dec. 8; Gaz. vol. 209; p. 520.
- Gassmann, Eugene, assignor to Eisemann Magneto Co., Brooklyn, N. Y. Electrical-circuit breaker. No. 1,121,996; Dec. 22; Gaz. vol. 209; p. 1199.
- Gasson, James E., Kenton, Ohio. Sign-rack. No. 1,121,491; Dec. 15; Gaz. vol. 209; p. 985.
- Gast, Dwight, Cleveland, and A. Wertz, Seville, Ohio. Lock-nut. No. 1,097,218; May 19; Gaz. vol. 202; p. 780.
- Gaston, William E., Waterbury, Conn. Bottle-closure. No. 1,123,206; Dec. 29; Gaz. vol. 209; p. 1660.
- Gately, Michael F., Winslow, Nebr. Anchoring device. No. 1,110,435; Sept. 15; Gaz. vol. 206; p. 641.
- Gates, Amalia C., administratrix. (See Gates, John W.)
- Gates, Charles, assignor of one-half to H. G. Trompeter, Louisville, Ky. Safety hat-pin. No. 1,111,741; Sept. 29; Gaz. vol. 206; p. 1172.
- Gates, Charles F., Sandusky, Mich. Vending-machine. No. 1,100,013; June 16; Gaz. vol. 203; p. 644.
- Gates, Daniel F., Fruit Hill, assignor of one-half to L. R. Davis, Crofton, Ky. Harrow. No. 1,114,462; Oct. 20; Gaz. vol. 207; p. 802.
- Gates, Elizabeth H., Chicago, Ill. Skirt-gage. No. 1,098,491; June 2; Gaz. vol. 203; p. 47.
- Gates, George R., Beloit, Kans. Steering-gear. No. 1,111,534; Sept. 22; Gaz. vol. 206; p. 1066.
- Gates, Isaac N., Richmond, Cal. Wheel-fender for railway-trucks. No. 1,114,131; Oct. 20; Gaz. vol. 207; p. 683.
- Gates, Isaac N., assignor of one-half to D. R. Sheen, Peoria, Ill. Mold and core for constructing building-walls. No. 1,116,352; Nov. 3; Gaz. vol. 208; p. 301.
- Gates, John W., deceased, Los Angeles, Cal.; A. C. Gates, administratrix. Animal-trap. No. 1,091,926; Mar. 31; Gaz. vol. 200; p. 1281.
- Gates, Laurie, and T. F. Graham, Tampa, Fla. Trousers-holder. No. 1,110,387; Sept. 15; Gaz. vol. 206; p. 624.
- Gates, Louis W., West Haven, Conn. Window-operator. No. 1,109,574; Sept. 1; Gaz. vol. 206; p. 250.
- Gates, Marshall E., Helena, Mont. Tooth-brush. No. 1,091,209; Mar. 24; Gaz. vol. 200; p. 993.
- Gates, William B., Wilkinsburg, Pa. Sliding and swinging window. No. 1,099,696; June 9; Gaz. vol. 203; p. 500.
- Gates, William I., assignor of one-half to F. Mayer, Brad-dock, Pa. Fender. No. 1,121,346; Dec. 15; Gaz. vol. 209; p. 935.
- Gatewood, William F., Pierce City, Mo. Farm-gate. No. 1,102,578; July 7; Gaz. vol. 204; p. 125.
- Gathmann, Emil, Baltimore, Md. Ingot-mold and sink-head therefor. No. 1,117,181; Nov. 17; Gaz. vol. 208; p. 675.
- Gathright, Josiah B., Louisville, Ky. Wrench. No. 1,117,024; Nov. 10; Gaz. vol. 208; p. 582.
- Gathright, Josiah B., Louisville, Ky. Garment-supporter. No. 1,117,025; Nov. 10; Gaz. vol. 208; p. 582.
- Gathright, Josiah B., Louisville, Ky. Wrench. No. 1,117,026; Nov. 10; Gaz. vol. 208; p. 582.
- Gatling, William E., assignor, by mesne assignments, to W. F. Landy, New Haven, Conn. Coin-controlled vending device. No. 1,083,608; Jan. 6; Gaz. vol. 198; p. 116.
- Gattie, Alfred W., and H. A. Cox, London, England. Means for correlating a desired operation in a traveling carriage with the distance traveled, and for transmitting adjustments between traveling instruments. No. 1,085,409; Jan. 27; Gaz. vol. 198; p. 817.
- Gaube, Ernest W., Cleveland, Ohio. Spraying device. No. 1,114,252; Oct. 20; Gaz. vol. 207; p. 727.
- Gauch, Orlando S., and S. D. Inscho, assignors to The Shelby Printing Company, Shelby, Ohio. Triplicate order or sales book. No. 1,115,064; Oct. 27; Gaz. vol. 207; p. 1066.
- Gaudette, Charles A. (See Fuller, Eugene, assignor.)
- Gaudreau, Peter O. (See Smith and Gaudreau.)
- Gaudreau, Peter O., assignor of one-half to F. L. Smith, Burlington, Vt. Electric mail-box. No. 1,095,845; May 5; Gaz. vol. 202; p. 229.
- Gaugh, Maria A., Newport, Ky. Vehicle-seat. No. 1,107,778; Aug. 18; Gaz. vol. 205; p. 862.
- Gaul, Charles, Brooklyn Hills, N. Y. Tire. No. 1,095,846; May 5; Gaz. vol. 202; p. 229.
- Gaulin, Arthur J., and A. Van Wyke, Charleston, Mass. Air-brake. No. 1,120,302; Dec. 8; Gaz. vol. 209; p. 520.
- Gault, Florence J., Cincinnati, Ohio. Crochet-thread holder. No. 1,097,421; May 19; Gaz. vol. 202; p. 850.
- Gault, Mary V. (See Siegmann, William, assignor.)
- Gaumont, Léon, assignor to Société des Etablissements Gaumont, Paris, France. Mechanism for intermittently advancing the film in cinematographic apparatus. No. 1,084,938; Jan. 20; Gaz. vol. 198; p. 618.
- Gaunt, Charles F., Birmingham, England. Button for uniforms. No. 1,105,266; July 28; Gaz. vol. 204; p. 1193.
- Gaunt, Joseph S., Manchester, and H. Dyson, Huddersfield, England. Flier-frame for spinning, doubling, and the like. No. 1,103,194; July 14; Gaz. vol. 204; p. 387.
- Gaunt, Walter F., Birmingham, England. Button. No. 1,113,427; Oct. 13; Gaz. vol. 207; p. 399.
- Gauntt, Forest G., Fort Wayne, Ind. Feeding mechanism. No. 1,101,174; June 23; Gaz. vol. 203; p. 1099.
- Gauntt, James G., Syracuse, N. Y. Hydrant. No. 1,091,210; Mar. 24; Gaz. vol. 200; p. 994.
- Gautzsch, Frederick, Jr., Philadelphia, Pa. Direction-signal for motor-vehicles. No. 1,100,427; June 16; Gaz. vol. 203; p. 788.
- Gavan, Thomas H. (See Eaid, Clayton T., assignor.)
- Gawley, Thomas R., Bellingham, Wash. Ship construction. No. 1,093,692; Apr. 21; Gaz. vol. 201; p. 612.
- Gawlik, Tomasz, Springfield, Ill. Figure toy. No. 1,102,148; June 30; Gaz. vol. 203; p. 1488.
- Gay, Daniel G., Summerville, Oreg. Wrench. No. 1,085,564; Jan. 27; Gaz. vol. 198; p. 866.
- Gay, Edward O., deceased; J. H. McKay, administrator, assignor of one-third to W. Jones and one-third to M. McKinnon, Red Springs, N. C. Plow. No. 1,113,982; Oct. 20; Gaz. vol. 207; p. 629.
- Gay, William A., Newark, N. J. Musical toy. No. 1,089,699; Mar. 10; Gaz. vol. 200; p. 399.

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- Gaylord, Edwin P., Rochester, N. Y. Water-closet. No. 1,095,203; May 5; Gaz. vol. 202; p. 10.
- Gaylord, Robert H., Pasadena, and G. B. Capps, assignors to Foulkes-Gaylord Company, Los Angeles, Cal. Signaling system. No. 1,093,926; Apr. 21; Gaz. vol. 201; p. 689.
- Gayner, John W., Salem, N. J. Regulating device for molten glass and means for preventing the streaking of glassware. No. 1,090,101; Mar. 10; Gaz. vol. 200; p. 537.
- Gaynor, Arthur C., Bridgeport, Conn., assignor to L. Block, New York, N. Y. Attachment for mouthpieces. No. 1,084,206; Jan. 13; Gaz. vol. 198; p. 346.
- Gaynor, John J., Indianapolis, Ind., assignor to Imperial Stopper Company. Bottle-capping machine. No. 1,095,274; May 5; Gaz. vol. 202; p. 34.
- Gaynor, Joseph, New York, N. Y. Resilient tire. No. 1,114,600; Oct. 20; Gaz. vol. 207; p. 848.
- Gazzolo, Victor, Stockton, Cal. Automatic-feeding grease-cup. No. 1,115,658; Nov. 3; Gaz. vol. 208; p. 66.
- Gear Improvement Company. (See Williams, Harvey D., assignor.)
- Gearhart, John W., Fresno, Cal. Cover for blank books. No. 1,105,505; July 28; Gaz. vol. 204; p. 1278.
- Gearhart, John W., Fresno, Cal. Blank-book cover. No. 1,105,506; July 28; Gaz. vol. 204; p. 1279.
- Gearhart, John W., Fresno, Cal. Blank-book cover. No. 1,105,507; July 28; Gaz. vol. 204; p. 1279.
- Gearing, Charles B., Pittsburgh, Pa. Internal-combustion engine. No. 1,100,068; June 16; Gaz. vol. 203; p. 663.
- Gearing, Harry, Los Angeles, Cal. Underreamer. No. 1,091,502; Mar. 31; Gaz. vol. 200; p. 1133.
- Gearing, Harry, Los Angeles, Cal., assignor of one-fourth to C. J. O'Neill and one-fourth to G. P. Ritter, District of Columbia. Multiphase electric motor. No. 1,103,501; July 14; Gaz. vol. 204; p. 489.
- Geary, Albert. (See Lautenbacher and Geary.)
- Geary, James V., Longbeach, Cal. Toy. No. 1,098,360; May 26; Gaz. vol. 202; p. 1222.
- Geb, George F., Franklin, Mass. Vehicle-wheel. No. 1,091,503; Mar. 31; Gaz. vol. 200; p. 1133.
- Geb, George F., Franklin, Mass. Lawn-mower. No. 1,102,734; July 7; Gaz. vol. 204; p. 179.
- Gebauer, Paul, Berlin-Wilmersdorf, assignor to Deutsche Waffen- und Munitionsfabriken, Berlin, Germany. Automatic gun. No. 1,114,463; Oct. 20; Gaz. vol. 207; p. 803.
- Gebhardt, Edwin, Norwood, Ohio. Folding seal-stamp. No. 1,122,903; Dec. 29; Gaz. vol. 209; p. 1552.
- Gebhardt, Ernest F., Bridgeport, Conn. Car-coupling. No. 1,108,740; Aug. 25; Gaz. vol. 205; p. 1242.
- Gebhardt, Frank R., Monsey, N. Y. Automatic water-temperature-control system. No. 1,103,756; July 14; Gaz. vol. 204; p. 581.
- Gebhardt, Thomas A., Richmond, Va. Screen-closure. No. 1,087,757; Feb. 17; Gaz. vol. 199; p. 855.
- Gebhart, Joseph, Zion City, Ill. Cork-extractor. No. 1,084,422; Jan. 13; Gaz. vol. 198; p. 415.
- Gebrüder Körting, Aktiengesellschaft. (See Wolff and Jäger, assignors.)
- Geck, Albert A., assignor to Colburn Machine Tool Company, Franklin, Pa. Drill-press. No. 1,115,659; Nov. 3; Gaz. vol. 208; p. 66.
- Geddert, William J., Alliance, Ohio, assignor to American Steel Foundries, New York, N. Y. Pocket-coupling. No. 1,105,644; Aug. 4; Gaz. vol. 205; p. 21.
- Geddes, William L. (See Myles and Geddes.)
- Gedge, Burton H., Anderson, Ind. Roofing member. No. 1,088,815; Mar. 3; Gaz. vol. 200; p. 47.
- Gedge, Burton H., Anderson, Ind. Roofing member. No. 1,119,946; Dec. 8; Gaz. vol. 209; p. 395.
- Gedge, Burton H., Anderson, Ind. Roofing member. No. 1,119,947; Dec. 8; Gaz. vol. 209; p. 395.
- Gedney, Stanley L., Maplewood, N. J. Necktie-holder. No. 1,121,086; Dec. 15; Gaz. vol. 209; p. 845.
- Gee, Albert, Oak Lane, assignor of one-half to W. P. Moore, Elkins Park, Pa. Pattern-controlled stop mechanism for knitting-machines. No. 1,110,322; Sept. 15; Gaz. vol. 206; p. 600.
- Gee, Albert C., St. Thomas, Ontario, Canada. Rail-joint. No. 1,096,425; May 12; Gaz. vol. 202; p. 463.
- Gee, David A., Portland, Oreg. Level. No. 1,100,554; June 16; Gaz. vol. 203; p. 829.
- Gee, Henry C., Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Skiving-machine. No. 1,096,424; May 12; Gaz. vol. 202; p. 462.
- Gee, James E., Wood Green, England. Floor-cleaner. No. 1,112,693; Oct. 6; Gaz. vol. 207; p. 101.
- Gee, Norman E., Altoona, Pa. Locomotive-stoker. No. 1,103,406; July 14; Gaz. vol. 204; p. 457.
- Gee, Norman E., Altoona, Pa. Mechanical stoker for firing locomotive-furnaces. No. 1,103,407; July 14; Gaz. vol. 204; p. 457.
- Gee, Samuel, Providence, R. I. Number-display plate for vehicles. No. 1,090,294; Mar. 17; Gaz. vol. 200; p. 647.
- Geéb, Frank, Long Island City, N. Y. Musical instrument. No. 1,111,256; Sept. 22; Gaz. vol. 206; p. 971.
- Geer, Harry R., Johnstown, Pa. Packing-ring. No. 1,088,143; Feb. 24; Gaz. vol. 199; p. 1035.
- Geer, Langdon. (See Nielsen and Geer.)
- Geer, Maurice F., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Time-announcing system. No. 1,121,823; Dec. 22; Gaz. vol. 209; p. 1138.
- Geer, Maurice F., and R. C. Leake, Rochester, assignors to General Railway Signal Company, Gates, N. Y. Individual calling-key. No. 1,105,766; Aug. 4; Gaz. vol. 205; p. 63.
- Geer, Maurice F., and R. C. Leake, Rochester, assignors to General Railway Signal Company, Gates, N. Y. Selective signaling device. No. 1,118,120; Nov. 24; Gaz. vol. 208; p. 1046.
- Geer, Maurice F., and R. C. Leake, Rochester, assignors to General Railway Signal Company, Gates, N. Y. Selective calling system. No. 1,119,692; Dec. 1; Gaz. vol. 209; p. 272.
- Geerekey, Louis W., Douglas, Ariz. Child's crib or berth attachment for railway-cars. No. 1,090,705; Mar. 17; Gaz. vol. 200; p. 787.
- Geffroy, Ralph N., Stockton, Cal. Cooking utensil. No. 1,115,303; Oct. 27; Gaz. vol. 207; p. 1150.
- Gefon, Louis. (See Holtzman and Gefon.)
- Geffer, Israel, Meriden, Conn. Percolating coffee-pot. No. 1,109,918; Sept. 8; Gaz. vol. 206; p. 417.
- Gehlhar, Max H., Salem, Oreg. Manuscript-cover. No. 1,084,423; Jan. 13; Gaz. vol. 198; p. 415.
- Gehlhoff, Georg R. (See Altenkirch and Gehlhoff.)
- Gehman, John, Brutus, Mich. Safety device for elevators. No. 1,109,412; Sept. 1; Gaz. vol. 206; p. 198.
- Gehrich, Hermann, New York, N. Y. Portable oven. No. 1,104,652; July 21; Gaz. vol. 204; p. 931.
- Gehrandt, Gustav, Chicago, Ill. Gas-engine. No. 1,114,132; Oct. 20; Gaz. vol. 207; p. 683.
- Gehrandt, Gustav R., Chicago, Ill. Smelting and purifying iron. No. 1,110,540; Sept. 15; Gaz. vol. 206; p. 677.
- Gehringer, William A., Allentown, Pa. Resilient wheel. No. 1,083,396; Jan. 6; Gaz. vol. 198; p. 46.
- Gehrke, Edward A., Lincoln, Nebr. Automatic fire-alarm. No. 1,093,395; Apr. 14; Gaz. vol. 201; p. 472.
- Gehrke, Edward A., Lincoln, Nebr. Ball-cock for flush-tanks. No. 1,096,237; May 12; Gaz. vol. 202; p. 398.
- Gehrke, Edward A., Lincoln, Nebr. Basin-cock. No. 1,105,072; July 28; Gaz. vol. 204; p. 1125.
- Gehrke, Edward A., Lincoln, Nebr. Ball-cock for flush-tanks. No. 1,110,436; Sept. 15; Gaz. vol. 206; p. 641.
- Gehrke, Edward A., Lincoln, Nebr. Filtering-faucet. No. 1,116,689; Nov. 10; Gaz. vol. 208; p. 465.
- Gehrke, Frank, Rochester, Mich. Ice-cutting machine. No. 1,102,904; July 7; Gaz. vol. 204; p. 236.
- Gehrkens, Edward F., Pittsfield, Mass., assignor to General Electric Company. Potential-indicator. No. 1,100,723; June 23; Gaz. vol. 203; p. 941.
- Gehrmann, Paul, Dresden, Germany. Carbureter. No. 1,086,287; Feb. 3; Gaz. vol. 199; p. 247.
- Geide, Richard F., Rochester, N. Y. Vehicle wheel-rim. No. 1,089,634; Mar. 10; Gaz. vol. 200; p. 377.
- Geiger, Adolph, Rochester, N. Y. Heel-building machine. No. 1,085,201; Jan. 27; Gaz. vol. 198; p. 744.
- Geiger, Adolph, Rochester, N. Y. Heel-compressor. No. 1,094,433; Apr. 28; Gaz. vol. 201; p. 917.
- Geiger, Edward F., Duluth, Minn. Secondary electric clock. No. 1,121,347; Dec. 15; Gaz. vol. 209; p. 935.
- Geiger, Frank, Imperial Junction, Cal. Supporting and delivering device. No. 1,088,979; Mar. 3; Gaz. vol. 200; p. 106.
- Geiger, Gustav, Munich, Germany. Light-screen for finders. No. 1,084,622; Jan. 20; Gaz. vol. 198; p. 510.
- Geiger, Joseph E., Kittanning, Pa. Trolley. No. 1,088,337; Feb. 24; Gaz. vol. 199; p. 1100.
- Geiger, Stephan, Spalt, assignor to A. Heilmann, Nuremberg, Germany. Apparatus for extracting herbs and medicating steam. No. 1,096,620; May 12; Gaz. vol. 202; p. 527.
- Geiger, William. (See Heimlicher, Jacob, assignor.)
- Geipel, Harry C. (See Smith and Geipel.)
- Geisel, Emanuel, Philadelphia, Pa. Resilient wheel. No. 1,103,502; July 14; Gaz. vol. 204; p. 489.
- Geisel, John E. G., Leighton, Pa. Hasp-fastener. No. 1,096,902; May 19; Gaz. vol. 202; p. 668.
- Geisen, Jacob J. (See Lawrence, John H., assignor.)
- Geisenhöner, Henry, Schenectady, N. Y., assignor to General Electric Company. Space-block. No. 1,083,822; Jan. 6; Gaz. vol. 198; p. 185.
- Geiser, Rudolph, assignor of one-half to F. C. Heyer, Toledo, Ohio. Air-coupling device. No. 1,093,613; Apr. 21; Gaz. vol. 201; p. 582.
- Geisler, Henry G., Syracuse, N. Y. Reclining-chair. No. 1,108,897; Sept. 1; Gaz. vol. 206; p. 12.
- Geissler, John, Chicago, Ill. Pocket-book. No. 1,101,490; June 23; Gaz. vol. 203; p. 1207.
- Geist, Clifford W., et al. (See Collier, George M., assignor.)
- Geldermann, Hugo, Berlin-Lichterfelde, and F. Ackermann, Berlin-Friedenau, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Yellow azo dyes. No. 1,086,155; Feb. 3; Gaz. vol. 199; p. 205.
- Gelink, William J., assignor to The Akron Cultivator Company, Akron, Ohio. Sulky or wheeled cultivator. No. 1,117,027; Nov. 10; Gaz. vol. 208; p. 582.

Alphabetical list of patentees—Continued.

- Gellink, William J., assignor to The Akron Cultivator Company, Akron, Ohio. Fertilizer-distributing attachment. No. 1,117,028; Nov. 10; Gaz. vol. 208; p. 583.
- Gell, John. (See Mitchell and Gell.)
- Gell, John, London, England. Variable-speed mechanism. No. 1,108,741; Aug. 25; Gaz. vol. 205; p. 1242.
- Gell, John and R., Rochester, N. Y. Machine for applying liquid cement. No. 1,119,271; Dec. 1; Gaz. vol. 209; p. 127.
- Gell, Robert. (See Gell, John and R.)
- Gellrich, Robert P., Hamburg, Germany. Tug-gear. No. 1,115,807; Nov. 3; Gaz. vol. 208; p. 114.
- Gelormini, Gabriel, Newark, N. J. Garment. No. 1,091,211; Mar. 24; Gaz. vol. 200; p. 994.
- Gelow, Albert, assignor to The Warren Featherbone Company, Three Oaks, Mich. Collar-supporter. No. 1,110,622; Sept. 15; Gaz. vol. 206; p. 707.
- Gelsenkirchener Gusstahl-U. Eisenwerke vormals Munscheid & Co. (See Leonhardt and Bönninger, assignors.)
- Gelvin, Clifford J., and J. C. Clark, New Richmond, Ohio. Music-leaf turner. No. 1,122,904; Dec. 29; Gaz. vol. 209; p. 1552.
- Gemmer Manufacturing Company. (See Van Dresser, William C., assignor.)
- Gemmer, Walter S. (See Morse and Gemmer.)
- Gendron, Marcal, Paris, France. Distributing device for automatic compressed-air starting apparatus for internal-combustion engines. No. 1,103,001; July 7; Gaz. vol. 204; p. 270.
- Gendron Wheel Company. (See Diemer, William, assignor.)
- Gendron Wheel Company. (See Vogel, Joshua F., assignor.)
- Genebach, George J., Battle Creek, Mich. Cushion-spring. No. 1,092,099; Mar. 31; Gaz. vol. 200; p. 1337.
- Genecand, Félix, Geneva, Switzerland. Boot and shoe sole protector. No. 1,115,304; Oct. 27; Gaz. vol. 207; p. 1151.
- General Acoustic Company. (See Lowe, Edgar, assignor.)
- General Acoustic Company. (See Mack and Andrick, assignors.)
- General Advertising Co., The. (See Potts, Howard J., assignor.)
- General Appliance Company. (See Morse and Gemmer, assignors.)
- General Asbestos & Rubber Company. (See Taylor, William F., assignor.)
- General Bakelite Company. (See Baekeland, Leo H., assignor.)
- General Briquetting Co. (See Rónay, Árpád, assignor.)
- General Briquetting Co. (See Schumacher, Wilhelm, assignor.)
- General Chemical Company. (See Fowler, Edward J., assignor.)
- General Chemical Company. (See Hart, Edward, assignor.)
- General Chemical Company. (See Herreshoff, John B. F., assignor.)
- General Chemical Company. (See Kéler and Weindel, assignors.)
- General Chemical Company. (See Nield, John H., assignor.)
- General Chemical Company. (See Stout, Harry H., assignor.)
- General Chemical Company. (See Wolff, Theodor, assignor.)
- General Composing Company Gesellschaft mit beschränkter Haftung. (See Jung, Karl, assignor.)
- General Electric Co. (See Korndörfer, Max, assignor.)
- General Electric Company. (See Abbott, William G., Jr., assignor.)
- General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
- General Electric Company. (See Arsem, William C., assignor.)
- General Electric Company. (See Ball, Henry P., assignor.)
- General Electric Company. (See Ball and Wright, assignors.)
- General Electric Company. (See Barringer, Lawrence E., assignor.)
- General Electric Company. (See Barringer and Zapf, assignors.)
- General Electric Company. (See Batchelder, Asa F., assignor.)
- General Electric Company. (See Baumgartner, Conrad, assignor.)
- General Electric Company. (See Beechlyn, John T., assignor.)
- General Electric Company. (See Benjamin, Reuben B., assignor.)
- General Electric Company. (See Bentley, Fred W., assignor.)
- General Electric Company. (See Berliner, Arnold, assignor.)
- General Electric Company. (See Berry, George, assignor.)
- General Electric Company. (See Blake, Samuel H., assignor.)
- General Electric Company. (See Blau, Fritz, assignor.)
- General Electric Company. (See Blondel and Dobkevitch, assignors.)
- General Electric Company. (See Boyd, Frederic R. C., assignor.)
- General Electric Company. (See Brooks, Wallace L., assignor.)
- General Electric Company. (See Caldwell, Paul, assignor.)
- General Electric Company. (See Callahan, Michael, assignor.)
- General Electric Company. (See Callahan, Michael J., assignor.)
- General Electric Company. (See Callan, John G., assignor.)
- General Electric Company. (See Campbell, Wilfred, assignor.)
- General Electric Company. (See Carichoff, Eugene R., assignor.)
- General Electric Company. (See Carroll, Morris B., assignor.)
- General Electric Company. (See Case, Frank E., assignor.)
- General Electric Company. (See Chase, Moulton G., assignor.)
- General Electric Company. (See Chatain, Henri G., assignor.)
- General Electric Company. (See Chatain and Ver Planck, assignors.)
- General Electric Company. (See Churchward, Alexander, assignor.)
- General Electric Company. (See Coffin, Francis P., assignor.)
- General Electric Company. (See Collins, Edgar F., assignor.)
- General Electric Company. (See Collischonn, Friedel, assignor.)
- General Electric Company. (See Coolidge, William D., assignor.)
- General Electric Company. (See Creighton, Elmer E. F., assignor.)
- General Electric Company. (See Cubelic, Ludwig, assignor.)
- General Electric Company. (See Cubirt, Archibald S., assignor.)
- General Electric Company. (See Curtis, Charles G., assignor.)
- General Electric Company. (See Dahlke, Oskar, assignor.)
- General Electric Company. (See Dantsizen, Christian, assignor.)
- General Electric Company. (See Dawson, Edward S., Jr., assignor.)
- General Electric Company. (See Day and Windeler, assignors.)
- General Electric Company. (See De Reamer, Frank C., assignor.)
- General Electric Company. (See Dechamps, Heinrich, assignor.)
- General Electric Company. (See Dempster, John T. H., assignor.)
- General Electric Company. (See Dickenschied, Friedrich, assignor.)
- General Electric Company. (See Dickinson, Edgar D., assignor.)
- General Electric Company. (See Dobrowolsky, Michael D., assignor.)
- General Electric Company. (See Dodge, Austin R., assignor.)
- General Electric Company. (See Dreyfus, Ludwig, assignor.)
- General Electric Company. (See Dreyfus and Hillebrand, assignors.)
- General Electric Company. (See Dwyer, Elmer F., assignor.)
- General Electric Company. (See Eibig, Paul, assignor.)
- General Electric Company. (See Eichberg, Friedrich, assignor.)
- General Electric Company. (See Ellicott, Edward B., assignor.)
- General Electric Company. (See Emmet, William L. R., assignor.)
- General Electric Company. (See Evers, Kurt, assignor.)
- General Electric Company. (See Ferguson, Samuel, assignor.)
- General Electric Company. (See Fink, Colln G., assignor.)
- General Electric Company. (See Fleischmann, Lionel, assignor.)
- General Electric Company. (See Fleming, Richard, assignor.)
- General Electric Company. (See Ford, Stanley E., assignor.)
- General Electric Company. (See Forster, Samuel S., assignor.)
- General Electric Company. (See Frank, John J., assignor.)
- General Electric Company. (See Frech, Theodore W., Jr., assignor.)
- General Electric Company. (See French, Henry G., assignor.)
- General Electric Company. (See Frick, Walther, assignor.)

Alphabetical list of patentees—Continued.

- General Electric Company. (See Friedburg, Louis H., assignor.)
 General Electric Company. (See Früh, Karl, assignor.)
 General Electric Company. (See Fuss, Max, assignor.)
 General Electric Company. (See Gardner, Edgar S., assignor.)
 General Electric Company. (See Gehrken, Edward F., assignor.)
 General Electric Company. (See Geisenhöner, Henry, assignor.)
 General Electric Company. (See Gilson, Emery G., assignor.)
 General Electric Company. (See Green, Frank C., assignor.)
 General Electric Company. (See Grindel, Erich, assignor.)
 General Electric Company. (See Guay, Emile J., assignor.)
 General Electric Company. (See Hall, John L., assignor.)
 General Electric Company. (See Halliwell, Reginald F., assignor.)
 General Electric Company. (See Halvorson, Cromwell A. B., Jr., assignor.)
 General Electric Company. (See Hanke, Frank C., assignor.)
 General Electric Company. (See Hansen, Charles A., assignor.)
 General Electric Company. (See Härdén, Johannes, assignor.)
 General Electric Company. (See Harraden, Walter L., assignor.)
 General Electric Company. (See Hartman and Goggin, assignors.)
 General Electric Company. (See Hayden, Joseph L. R., assignor.)
 General Electric Company. (See Helm, Max, assignor.)
 General Electric Company. (See Hewlett, Edward M., assignor.)
 General Electric Company. (See Hewlett and Eveleth, assignors.)
 General Electric Company. (See Hill, Charles H., assignor.)
 General Electric Company. (See Hobart, Henry M., assignor.)
 General Electric Company. (See Hohn, Ernst O., assignor.)
 General Electric Company. (See Holden, Frank, assignor.)
 General Electric Company. (See Holz, Otto, assignor.)
 General Electric Company. (See Howell, Kenneth B., assignor.)
 General Electric Company. (See Hull, Albert W., assignor.)
 General Electric Company. (See Hundt, Albert, assignor.)
 General Electric Company. (See Hurwitz, Eugen, assignor.)
 General Electric Company. (See Hussey, Richard B., assignor.)
 General Electric Company. (See Ingalls, Charles H., assignor.)
 General Electric Company. (See Johannesen, Svend E., assignor.)
 General Electric Company. (See Johnson, Charles J., assignor.)
 General Electric Company. (See Joos, Hermann, assignor.)
 General Electric Company. (See Junggren, Oscar, assignor.) (Reissue.)
 General Electric Company. (See Kaemmerling, Gustav H., assignor.)
 General Electric Company. (See Karrer, Josef, assignor.)
 General Electric Company. (See Key, James F., assignor.)
 General Electric Company. (See Kieser, Walter, assignor.)
 General Electric Company. (See Krämer, Bernhard, assignor.)
 General Electric Company. (See Krämer, Christian, assignor.)
 General Electric Company. (See Kraus, Ernest, assignor.)
 General Electric Company. (See Kreusler, Hans, assignor.)
 General Electric Company. (See Krieger, Louis, assignor.)
 General Electric Company. (See Kruesi, August H., assignor.)
 General Electric Company. (See Kruh, Osias O., assignor.)
 General Electric Company. (See Kück, Richard, assignor.)
 General Electric Company. (See Kuzel and Wedekind, assignors.)
 General Electric Company. (See Lasche, Oscar, assignor.)
 General Electric Company. (See Latour, Marius C. A., assignor.)
 General Electric Company. (See Laycock, Harry A., assignor.)
 General Electric Company. (See Lemp, Hermann, assignor.)
 General Electric Company. (See Libby, Sam H., assignor.)
 General Electric Company. (See Loewenstein, Louis C., assignor.)
 General Electric Company. (See Lumley, Wilfrid, assignor.)
 General Electric Company. (See Lyle, Fred W., assignor.)
 General Electric Company. (See Mapelsden, Harold H., assignor.)
 General Electric Company. (See Maxwell, Howard, assignor.)
 General Electric Company. (See McFarland, Edward H., assignor.)
 General Electric Company. (See Merriam, Ezra B., assignor.)
 General Electric Company. (See Mertens, Max, assignor.)
 General Electric Company. (See Meyer-Dellus, Heinrich, assignor.)
 General Electric Company. (See Milch, Maurice, assignor.)
 General Electric Company. (See Miller, Robert, Jr., assignor.)
 General Electric Company. (See Molony, James E., assignor.)
 General Electric Company. (See Moody, Walter S., assignor.)
 General Electric Company. (See Moore, Chester N., assignor.)
 General Electric Company. (See Moreton, Alfred G., assignor.)
 General Electric Company. (See Morrison, George F., assignor.)
 General Electric Company. (See Moss, Sanford A., assignor.)
 General Electric Company. (See Motter, William N., assignor.)
 General Electric Company. (See Müller, Franz, assignor.)
 General Electric Company. (See Murphy, Edwin J., assignor.)
 General Electric Company. (See Naylor, Charles H., assignor.)
 General Electric Company. (See Nehlsen, Hermann, assignor.)
 General Electric Company. (See Nicol, August, assignor.)
 General Electric Company. (See Norton, Fred E., assignor.)
 General Electric Company. (See Nusim, Melach I., assignor.)
 General Electric Company. (See Osnos, Mendel, assignor.)
 General Electric Company. (See Owen, Harry L., assignor.)
 General Electric Company. (See Owens, Robert B., assignor.)
 General Electric Company. (See Pagel, Gustav, assignor.)
 General Electric Company. (See Pape, Wilhelm, assignor.)
 General Electric Company. (See Pauly, Karl A., assignor.)
 General Electric Company. (See Persson, Otto F., assignor.)
 General Electric Company. (See Peterson, Charles F., assignor.)
 General Electric Company. (See Phelps, James W., assignor.)
 General Electric Company. (See Pirani, Marcello von, assignor.)
 General Electric Company. (See Potter, William B., assignor.)
 General Electric Company. (See Pratt, William H., assignor.)
 General Electric Company. (See Pratt and Flego, assignors.)
 General Electric Company. (See Price, David R., assignor.)
 General Electric Company. (See Price, Edgar, assignor.)
 General Electric Company. (See Remané, Hermann C. G., assignor.)
 General Electric Company. (See Rice, Richard H., assignor.)
 General Electric Company. (See Rice and Johnson, assignors.)
 General Electric Company. (See Riddell, John, assignor.)
 General Electric Company. (See Robinson, Lewis T., assignor.)
 General Electric Company. (See Rohkohl, Wilhelm, assignor.)
 General Electric Company. (See Roos, Hermann, assignor.)
 General Electric Company. (See Rose, Paul, assignor.)
 General Electric Company. (See Rothacker, Frank W., assignor.)
 General Electric Company. (See Ruder, William E., assignor.)
 General Electric Company. (See Ryan, Walter D., assignor.)
 General Electric Company. (See Samuelson, Frederick, assignor.)
 General Electric Company. (See Sargent, Howard B., assignor.)
 General Electric Company. (See Scherblus, Arthur L. J., assignor.)

Alphabetical list of patentees—Continued.

- General Electric Company. (See Schiebeler, Carl, assignor.)
 General Electric Company. (See Schinnerling, Heinrich, assignor.)
 General Electric Company. (See Schottelius, Bernhard, assignor.)
 General Electric Company. (See Schroeder, Josef, assignor.)
 General Electric Company. (See Shailor, Frank E., assignor.)
 General Electric Company. (See Sheldon, Lucian A., assignor.)
 General Electric Company. (See Spiegel, Julius, assignor.)
 General Electric Company. (See Spinney, Charles L., assignor.)
 General Electric Company. (See Standerwick, Reginald G., assignor.)
 General Electric Company. (See Stanley, William, assignor.)
 General Electric Company. (See Stanley and Ball, assignors.)
 General Electric Company. (See Steinbecker, Karl, assignor.)
 General Electric Company. (See Steinmetz, Charles P., assignor.)
 General Electric Company. (See Stern, George, assignor.)
 General Electric Company. (See Stevens, Harry M., assignor.)
 General Electric Company. (See Stewart, Samuel B., Jr., assignor.)
 General Electric Company. (See Stoeltzlen, Leo V., assignor.)
 General Electric Company. (See Stone, Charles W., assignor.)
 General Electric Company. (See Story, William E., Jr., assignor.)
 General Electric Company. (See Strohbach, Fritz, assignor.)
 General Electric Company. (See Teufel, Franz C., assignor.)
 General Electric Company. (See Thomsen, Theodor, assignor.)
 General Electric Company. (See Thomson, Elihu, assignor.)
 General Electric Company. (See Tirrill, Allen A., assignor.)
 General Electric Company. (See Troy, Matthew O., assignor.)
 General Electric Company. (See Uberl  e, Erich, assignor.)
 General Electric Company. (See Van Aller, Tycho, assignor.)
 General Electric Company. (See Ver Planck, William E., assignor.)
 General Electric Company. (See Ver Planck and Chaitain, assignors.)
 General Electric Company. (See Vogel, Frederick M., assignor.)
 General Electric Company. (See Wagner, Paul, assignor.)
 General Electric Company. (See Wedmore, Edmund B., assignor.)
 General Electric Company. (See Weiler, Wilhelm, assignor.)
 General Electric Company. (See Weintraub, Ezechiel, assignor.)
 General Electric Company. (See Weintraub and Hirschman, assignors.)
 General Electric Company. (See Weintraub and Kroner, assignors.)
 General Electric Company. (See Westendarp, Henry O., assignor.)
 General Electric Company. (See White, Harold E., assignor.)
 General Electric Company. (See Whiting, Max A., assignor.)
 General Electric Company. (See Whitney, Willis R., assignor.)
 General Electric Company. (See Wilkinson, James, assignor.)
 General Electric Company. (See Winkler, Otto, assignor.)
 General Electric Company. (See Wolcott, Varanus A., assignor.)
 General Electric Company. (See Wood, James J., assignor.)
 General Electric Company. (See Wright, Gilbert, assignor.)
 General Electric Company. (See Ziegler, Friedrich, assignor.)
 General Electric Company. (See Zimmerman, Clarence I., assignor.)
 General Elevator Company. (See Fraser, Ethelbert M., assignor.)
 General Engineering and Construction Company. (See Ashley, Charles G., assignor.)
 General Engineering and Construction Company. (See Hulfish, David S., assignor.)
 General Filtration Company. (See Porter, James E., assignor.)
 General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
 General Fire Extinguisher Company. (See Meloon, Jonathan C., assignor.)
 General Fire Extinguisher Company. (See Sackett, Frank V., assignor.)
 General Fireproofing Company, The. (See Herbert, Arthur W., assignor.)
 General Fireproofing Company, The. (See Schaffert, Adolph H., assignor.)
 General Fireproofing Company, The. (See White, Herbert E., assignor.)
 General Gas Appliance Company. (See Elmer, Charles B., assignor.)
 General Gas Light Company. (See Humphrey, Frederick J., assignor.)
 General Gas Light Company. (See Humphrey, Frederick J. and H. R., assignors.)
 General Industries Company. (See Brinkman, Louis H., assignor.)
 General Knit Fabric Company. (See Scott, Robert W., assignor.)
 General Knit Fabric Company. (See Williams, Louis N. D., assignor.)
 General Lubricating Company. (See Armstrong, Ernest, assignor.)
 General Novelty Co. (See Englerth, Anton F., assignor.)
 General Optical Company. (See Berg, William, assignor.)
 General Pressed Metal Company. (See Banes, Walter D., assignor.)
 General Purification Company. (See Fox and Bates, assignors.)
 General Railway Signal Company. (See Balcaen, Raoul G., assignor.)
 General Railway Signal Company. (See Burke, James, assignor.)
 General Railway Signal Company. (See Dodgson, Frank L., assignor.)
 General Railway Signal Company. (See Geer, Maurice F., assignor.)
 General Railway Signal Company. (See Geer and Leake, assignors.)
 General Railway Signal Company. (See Groce, George H., assignor.)
 General Railway Signal Company. (See Howe, Winthrop K., assignor.)
 General Railway Signal Company. (See Stevens, Oscar E., assignor.)
 General Railway Signal Company. (See Townsend, Fitzhugh, assignor.)
 General Railway Supply Co. (See Schroyer, Harry H., assignor.)
 General Vehicle Company. (See Queeney, Frank E., assignor.)
 General Water-Proofing Co. (See Marr, Robert A., assignor.)
 Genesee Pure Food Company, The. (See Glidden and Nico, assignors.)
 Genevay, Emile F. (See Savole and Genevay.)
 Gengenbach, Eugene, New York, N. Y. Housing for electromagnets. No. 1,098,246; May 26; Gaz. vol. 202; p. 1181.
 Genillon, Marie J. F., Lyon, France. Vehicle-wheel. No. 1,102,492; July 7; Gaz. vol. 204; p. 94.
 Genovese, James V., Brewster, N. Y. Self-winding suspension device. No. 1,084,623; Jan. 20; Gaz. vol. 198; p. 510.
 Gensecke, Wilhelm. (See Josse and Gensecke.)
 Gensler, Joseph. (See Spencer, Joseph M., assignor.)
 Genter, Jacob H., Newburgh, N. Y. Projecting apparatus. No. 1,097,013; May 19; Gaz. vol. 202; p. 706.
 Genter, Jacob H., Newburgh, N. Y. Automatic annunciator. No. 1,097,310; May 19; Gaz. vol. 202; p. 812.
 Genter, Jacob H., Newburgh, N. Y. Automatic annunciator. No. 1,101,429; June 23; Gaz. vol. 203; p. 1185.
 Genter, Paul H., Englewood, Colo. Head-gate. No. 1,084,855; Jan. 20; Gaz. vol. 198; p. 592.
 Genthe, Alfred, assignor to Firm of C. Heyl, Worms, Germany. Drying japanned or varnished leather. No. 1,095,498; May 5; Gaz. vol. 202; p. 112.
 Gentile, Domenick, Jersey City Heights, N. J. License-number illuminator. No. 1,103,873; July 14; Gaz. vol. 204; p. 621.
 Gentle, Cuthbert, Dorchester, assignor to T. H. Bowdidge, Boston, Mass. Funnel. No. 1,104,354; July 21; Gaz. vol. 204; p. 827.
 Gentle, Cuthbert, Dorchester, assignor to T. H. Rowdidge, Boston, Mass. Corking-machine. No. 1,117,029; Nov. 10; Gaz. vol. 208; p. 583.
 Gentle, William M., Los Angeles, Cal. Carbureter. No. 1,099,547; June 9; Gaz. vol. 203; p. 447.
 Gentzen, Ludwig, M  hlheim-on-the-Rhine, Germany. Introducing fuel into internal-combustion engines. No. 1,101,271; June 23; Gaz. vol. 203; p. 1131.
 Geo. Borgfeldt & Co. (See Steiner, Albin, assignor.)
 Geo. S. Johnston Company. (See Allen, Cille C., assignor.)
 Geoffroy, Joseph. (See Fortier, George, assignor.)
 Geoghegan, Walter F., Huntington, assignor to Gilli & Geoghegan, New York, N. Y. Hoisting apparatus. No. 1,101,843; June 30; Gaz. vol. 203; p. 1379.
 George, A. F. (See Messer, Vladimir V., assignor.)

Alphabetical list of patentees—Continued.

- George A. Ohl & Co. (See Ohl, George A., Jr., assignor.)
 George, Alexander W., New York, N. Y. Hinge-wiring machine. No. 1,117,030; Nov. 10; Gaz. vol. 208; p. 583.
 George Cutter Company. (See Duncan, Otis B., assignor.)
 George Cutter Company. (See Schwinnen, Mathew S., assignor.)
 George, Earl R. (See Wiseman and George.)
 George Fletcher and Company. (See Rudder, Frank P., assignor.)
 George, Grover G., Zanesville, Ohio. Adjustable chute-spring. No. 1,119,593; Dec. 1; Gaz. vol. 209; p. 239.
 George H. Frothingham Company. (See Prescott, Arthur T., assignor.)
 George, Harmon A., Petaluma, Cal. Brooder. No. 1,100,368; June 16; Gaz. vol. 203; p. 767.
 George, Henry C., *et al.* (See Pierce, Joseph, assignor.)
 George, Isaac A., Goshen, Ind. Bearing. No. 1,091,830; Mar. 31; Gaz. vol. 200; p. 1247.
 George, James W. (See Camden, Andrew B., assignor.)
 George, Jerome R. (See Jefferies and George.)
 George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Reversing-valve for heating-furnaces. No. 1,093,047; Apr. 14; Gaz. vol. 201; p. 351.
 George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Furnace for heating metal billets or ingots. No. 1,121,621; Dec. 22; Gaz. vol. 209; p. 1066.
 George, John F., assignor to C. Howard Hunt Pen Company, Camden, N. J. Pen-blank-forming machine. No. 1,086,156; Feb. 3; Gaz. vol. 199; p. 205.
 George Mann & Company. (See Payne, Raymond P., assignor.)
 George, Maud S., St. Louis, Mo. Garment. No. 1,104,185; July 21; Gaz. vol. 204; p. 769.
 George P. Bent Company. (See Engelskirchen, Frederick, assignor.)
 George P. Bent Company. (See Schnering, Otto Y., assignor.)
 George P. Bent Company. (See Weiser, Frank J. W., assignor.)
 George P. Clark Company. (See Clark, George E., assignor.)
 George P. Clark Company. (See Oldroyd, Walter J., assignor.)
 George P. Pilling and Son Company. (See Faught and Pilling, assignors.)
 George S. Kelley Company. (See Lange, Albert, assignor.)
 George, Samuel G., Conrad, Mont. Threshing-machine. No. 1,110,768; Sept. 15; Gaz. vol. 206; p. 758.
 George, Tuffield, assignor of one-half to P. J. Noel, Fort Frances, Ontario, Canada. Water-heater. No. 1,100,236; June 16; Gaz. vol. 203; p. 721.
 George, William L., Hanover, N. Mex. Screen or sieve. No. 1,106,201; Aug. 4; Gaz. vol. 205; p. 215.
 Georgenson, Peter J., Tustin, Wis. Carbureter. No. 1,120,303; Dec. 8; Gaz. vol. 209; p. 520.
 Georgs-Marien-Bergwerke- und Hütten-Verein, Aktien-gesellschaft. (See Wendt, Karl, assignor.)
 Gephart, Reuel J. (See Hill, William A., assignor.)
 Geraerds, Theodor H., New York, N. Y. Fireproof wall. No. 1,107,779; Aug. 18; Gaz. vol. 205; p. 862.
 Geraghty, John P., and G. W. Naylor, Jersey City, N. J., assignors of forty-five one-hundredths to E. C. Curry and C. A. Stoneham, New York, N. Y. Car-fender. No. 1,090,295; Mar. 17; Gaz. vol. 200; p. 647.
 Gérard, Charles, Brussels, Belgium. Solidification of petroleum. No. 1,085,119; Jan. 27; Gaz. vol. 198; p. 715.
 Gérard, John, assignor to The American Hardware Corporation, New Britain, Conn. Door-controlling means. No. 1,115,305; Oct. 27; Gaz. vol. 207; p. 1151.
 Gerardy, Michael, Wathena, Kans. Spark collector and distributor. No. 1,087,651; Feb. 17; Gaz. vol. 199; p. 819.
 Gerber, Alfred F., *et al.* (See Crosby, Joseph B., assignor.)
 Gerber, Arthur U. (See Mock and Gerber.)
 Gerber, Dwight, Bellevue, Pa. Dump-wagon. No. 1,104,111; July 21; Gaz. vol. 204; p. 743.
 Gerber, Emil C., St. Joseph, Mo. Work-holder. No. 1,092,038; Mar. 31; Gaz. vol. 200; p. 1315.
 Gerber, Ralph. (See Donovan, Timothy H., assignor.)
 Gerbing, Max P., Wentworth, Mo. Cultivator. No. 1,092,987; Apr. 14; Gaz. vol. 201; p. 331.
 Gericich, Frederick A., and J. Vaughn, Oakland, Cal. Oven. No. 1,107,285; Aug. 18; Gaz. vol. 205; p. 685.
 Gerdérés, Louis, Philadelphia, Pa. Spring-compressing mechanism. No. 1,114,601; Oct. 20; Gaz. vol. 207; p. 848.
 Gerdin, Edwin, Park River, N. D. Attachment for grain-racks. No. 1,090,610; Mar. 17; Gaz. vol. 200; p. 758.
 Gerding, Louis H., Baltimore, Md., assignor, by mesne assignments, to The Tobacco Stemming Machine Company. Tobacco-stemming machine. No. 1,107,056; Aug. 11; Gaz. vol. 205; p. 555.
 Gerding, Louis H., and F. I. Billings, assignors to The Tobacco Stemming Machine Company, Baltimore, Md. Tobacco-stemming machine. No. 1,113,115; Oct. 6; Gaz. vol. 207; p. 242.
 Gerdorn, Gregory, Watervliet, N. Y., assignor to Ordnance Improvement Company. Obturator for breech-loading ordnance. No. 1,090,204; Mar. 17; Gaz. vol. 200; p. 615.
 Gere, George H., Newark, N. J. Ignition device for internal-combustion engines. No. 1,099,496; June 9; Gaz. vol. 203; p. 429.
 Gerfy, Paul. (See Ligush and Gerfy.)
 Gerhard, Charles M. (See Anthony and Gerhard.)
 Gerhardt, Emil, Newport, Ky. Combination desk and chair. No. 1,093,396; Apr. 14; Gaz. vol. 201; p. 473.
 Gerhardt, Ernest H. (See Evans, William B., assignor.)
 Gerhart, Charles C., Clarksville, Tenn. Dust-hood for hot-air registers. No. 1,113,428; Oct. 13; Gaz. vol. 207; p. 399.
 Gerhart, Charles W., Mount Holly Springs, Pa. Demountable wheel-hub. No. 1,105,073; July 28; Gaz. vol. 204; p. 1125.
 Gerig, John. (See Dieseth, Sigurd, assignor.)
 Gering, Joseph P., Schrag, Wash. Spark-adjuster for explosive-engines. No. 1,092,255; Apr. 7; Gaz. vol. 201; p. 44.
 Gerion, Julius J., Bridgeport, Conn. Work-clamp. No. 1,105,193; July 28; Gaz. vol. 204; p. 1166.
 Gerken, John H., and L. Hebenstreit, Pittsburg, Kans. Detachable calk. No. 1,104,417; July 21; Gaz. vol. 204; p. 849.
 Gerlach, H. E. (See Melcher, Alphonso M., assignor.)
 Gerlach, Harry C., and W. H. Thompson, Fort Worth, Tex. Safety switch-chain. No. 1,095,393; May 5; Gaz. vol. 202; p. 75.
 Gerlach, Herman, *et al.* (See Ellis, Ed, assignor.)
 Gerlach, James. (See Burke, Charles E., assignor.)
 Gerlach, Karl H. G. A., Nordhausen, Germany. Rotary drying-drum. No. 1,105,417; July 28; Gaz. vol. 204; p. 1248.
 Gerlach, Stephen G., Bantam, Conn. Burglar-alarm. No. 1,122,905; Dec. 29; Gaz. vol. 209; p. 1552.
 Gerlach, Thomas A., Harvey, Ill. Switch-stand. No. 1,106,869; Aug. 11; Gaz. vol. 205; p. 493.
 Germain, Joseph N. (See Barr, Robert J., assignor.)
 German-American Portland Cement Works. (See Worm, Fritz, assignor.)
 German, Charles C. (See Beckwith, Walter C., assignor.)
 German, Solomon, Reisterstown, Md. Garment-fastener. No. 1,109,215; Sept. 1; Gaz. vol. 206; p. 127.
 Germanowskiv, Harry, *et al.* (See Forto, Patrick, assignor.)
 Germanson, Julius M., Milwaukee, Wis. Revolvable office-chair. No. 1,107,780; Aug. 18; Gaz. vol. 205; p. 862.
 Germany, James T., assignor of one-half to I. Bloch, New Orleans, La. Chance device. No. 1,116,264; Nov. 3; Gaz. vol. 208; p. 271.
 Germless Paper Cup Company, The. (See Klin, Agnes M., assignor.)
 Geroux, Steve, Chicago, Ill. Mechanism for adjusting transoms, &c. No. 1,122,200; Dec. 22; Gaz. vol. 209; p. 1267.
 Gerrard, Albert C., Longbeach, Cal. Butcher's ready-reckoner. No. 1,085,330; Jan. 27; Gaz. vol. 198; p. 790.
 Gersabeck, Emil, Potsdam, Germany. Making plates for wall-coverings and similar purposes. No. 1,107,286; Aug. 18; Gaz. vol. 205; p. 685.
 Gerstenslager, George, Wooster, Ohio. Road-cart. No. 1,110,681; Sept. 15; Gaz. vol. 206; p. 729.
 Gerster, William V., Pittsburgh, Pa. Automatic stop for sound-reproducing machines. No. 1,104,489; July 21; Gaz. vol. 204; p. 874.
 Gervais, Joseph G., assignor to National Twist Drill & Tool Company, Detroit, Mich. Counterboring-tool. No. 1,097,620; May 26; Gaz. vol. 202; p. 961.
 Gervais, Wainwright B., and M. Gilmore, assignors to Variety Manufacturing Company, Chicago, Ill. Fire-door. No. 1,087,577; Feb. 17; Gaz. vol. 199; p. 792.
 Gervais, Wainwright B., and M. Gilmore, assignors to Variety Manufacturing Company, Chicago, Ill. Latch mechanism for fire-doors. No. 1,090,470; Mar. 17; Gaz. vol. 200; p. 709.
 Geselbracht, Charles. (See Geselbracht, Henry and C.)
 Geselbracht, Henry and C., Scales Mound, Ill. Foundation for pumps. No. 1,119,077; Dec. 1; Gaz. vol. 209; p. 63.
 Gesell, Ezra J. (See Gesell, William, F. A., and E. J.)
 Gesell, Frederick A. (See Gesell, William, F. A., and E. J.)
 Gesell, William, F. A., and E. J., Sidney, Ohio. Lubricating device. No. 1,097,422; May 19; Gaz. vol. 202; p. 850.
 Gesellschaft des ächten Naxos-Schmirlgels Naxos-Union Schmirlgel Dampfwerk Frankfurt A. M., Julius Pfungst. (See Richter, Emil, assignor.)
 Gesellschaft fuer Kaelteindustrie mit beschränkter Haftung. (See Josse and Gensecke, assignors.)
 Gesellschaft für Elektro-Osmose-m-b-H. (See Schwerin, Botho, assignor.)
 Gesellschaft für Maschinen- und Metall-Industrie mit beschränkter Haftung. (See Edel, Hermann J., assignor.)
 Gesellschaft für Teerverwertung m. b. H. (See Schroers, Carl H., assignor.)
 Gesellschaft für Teerverwertung m. b. H. (See Weissgerber and Keller, assignors.)

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- Gesellschaft Zur Verwertung von Feuerwaffen-Patenten m. b. H. (See Knötgen, Mathias, assignor.)
- Gesner, Sidney E. (See Rothrock, Andrew A., assignor.)
- Gess, Frederick, Camden, N. J. Latch for fire-escape doors. No. 1,095,847; May 5; Gaz. vol. 202; p. 230.
- Gessner, Charles H., Bergenfield, N. J. Game device. No. 1,106,090; Aug. 4; Gaz. vol. 205; p. 177.
- Gessner, David, Worcester, Mass. Cloth-pressing machine. No. 1,090,611; Mar. 17; Gaz. vol. 200; p. 758.
- Gessner, David, Worcester, Mass. Means for cold-pressing cloth. No. 1,095,568; May 5; Gaz. vol. 202; p. 135.
- Gessner, David, Worcester, Mass. Machine for extracting moisture from cloth. No. 1,115,808; Nov. 3; Gaz. vol. 208; p. 114.
- Gessner, Frederick, Deep, N. D. Grain-shock scoop. No. 1,100,968; June 23; Gaz. vol. 203; p. 1028.
- Gessner, Joseph, Newark, N. J. Kindler for fire-wood. No. 1,114,602; Oct. 20; Gaz. vol. 207; p. 849.
- Gessner, Lawrence A. (See Hammitt, George S., assignor.)
- Gessner, William, West Hoboken, N. J. Holder for playing-cards. No. 1,109,524; Sept. 1; Gaz. vol. 206; p. 233.
- Gething, John, deceased; W. Gething, Youngstown, Ohio, administrator. Hose-coupling. No. 1,101,844; June 30; Gaz. vol. 203; p. 1380.
- Gething, William, administrator. (See Gething, John.)
- Getschow, William C., Littleton, assignor of one-half to J. H. Weyandt and one-half to A. E. Weyandt, Hayden, Colo. Combined level and plumb. No. 1,083,823; Jan. 6; Gaz. vol. 198; p. 185.
- Gettelman, Frederick, Milwaukee, Wis. Pasteurizing apparatus. No. 1,085,901; Feb. 3; Gaz. vol. 199; p. 114.
- Getty, Carl H., et al. (See Percy, James E., assignor.)
- Getty, Fred L., Jennings, La. Assembling well structures. No. 1,098,107; May 26; Gaz. vol. 202; p. 1135.
- Gettz, William H., Philadelphia, Pa., and E. C. Foster, Pitman, N. J., assignors of one-third to W. E. Alloway, Philadelphia, Pa. Burglar-alarm. No. 1,105,899; Aug. 4; Gaz. vol. 205; p. 108.
- Geurin, Henry E., and W. D. Dean, Hermleigh, Tex. Weeder. No. 1,094,552; Apr. 28; Gaz. vol. 201; p. 958.
- Geurink, Bernard A., East Cleveland, assignor to The Trenkamp Stove & Manufacturing Company, Cleveland, Ohio. Gas-burner. No. 1,096,426; May 12; Gaz. vol. 202; p. 463.
- Geussenhauer, Edwin, Neumünster, Germany. Bath. No. 1,103,139; July 14; Gaz. vol. 204; p. 367.
- Gey, Theodore A., Norristown, Pa. Bottle-stopper. No. 1,104,418; July 21; Gaz. vol. 204; p. 849.
- Gezelschap, Frederick W. (See Winding and Gezelschap.)
- Gheen, John W., Los Angeles, Cal. Surface-indicator. No. 1,097,797; May 26; Gaz. vol. 202; p. 1026.
- Ghegan, John J., Newark, N. J. Fire-alarm box. No. 1,123,122; Dec. 29; Gaz. vol. 209; p. 1628.
- Gherky, William D. (See Nichols, Henry B., assignor.)
- Gherky, William D., Philadelphia, Pa. Grinding-machine. No. 1,095,963; May 5; Gaz. vol. 202; p. 267.
- Gherky, William D., Philadelphia, Pa. Monorail-grinding machine. No. 1,095,964; May 5; Gaz. vol. 202; p. 267.
- Gherky, William D., Philadelphia, Pa. Abrasive element for reciprocating grinders. No. 1,095,994; May 5; Gaz. vol. 202; p. 278.
- Gherky, William D., Philadelphia, Pa. Propulsion mechanism for rail-grinders. No. 1,095,995; May 5; Gaz. vol. 202; p. 279.
- Gherky, William D., Philadelphia, Pa. Grinding-machine. No. 1,096,005; May 5; Gaz. vol. 202; p. 282.
- Ghezzi, Domizio, assignor of one-half to A. Zerbarini, New York, N. Y. Vehicle-fender. No. 1,083,824; Jan. 6; Gaz. vol. 198; p. 185.
- Giampietro, Aristide W., Tampa, Fla. Machine for extracting essential oils and removing peeling from citrus fruits, &c. No. 1,116,880; Nov. 10; Gaz. vol. 208; p. 532.
- Giampietro, Aristide W., Tampa, Fla. Flexible knife for the extraction of essential oils and removal of peeling from any spherical fruit. No. 1,116,881; Nov. 10; Gaz. vol. 208; p. 532.
- Gianese, Benvenuto. (See Beretta and Gianese.)
- Gianini, Mario, New York, N. Y. Machine for facilitating packing. No. 1,102,493; July 7; Gaz. vol. 204; p. 95.
- Giannattasio, Ettore F., New York, N. Y. Intermittent search-light. No. 1,086,040; Feb. 3; Gaz. vol. 199; p. 165.
- Giannelli, Lorenzo, Charlestown, Mass. Means for securing roofing-slates. No. 1,114,686; Oct. 20; Gaz. vol. 207; p. 877.
- Gibaudeau, Etienne, Chateau de la Coupe, near Narbonne, and A. J. Frager, Paris, France. Alcoômeter. No. 1,102,905; July 7; Gaz. vol. 204; p. 237.
- Gibb, Alexander, St. Martin's Abbey, T. G. Menzies, Ferry Craig, North Queensferry, and R. Chalmers, Rhufaada, Newport, Scotland. Driving and extracting piles, posts, and the like. No. 1,102,652; July 7; Gaz. vol. 204; p. 152.
- Gibb, Andrew S., Punjab, India. Apparatus for delivering water for irrigation purposes. No. 1,085,860; Feb. 3; Gaz. vol. 199; p. 100.
- Gibbard, William F., Fruitvale, Cal. Sash-lock. No. 1,107,418; Aug. 18; Gaz. vol. 205; p. 734.
- Gibbes, Alexander M. (See Edwards, James B., assignor.)
- Gibbon, Robert J., New York, N. Y., assignor to The Ostrander Seymour Company. Electrically-operated stereotype-matrix-drying machine. No. 1,106,936; Aug. 11; Gaz. vol. 205; p. 516.
- Gibbons, Joseph E., Washington, D. C. Locking device for steering-wheels. No. 1,098,435; June 2; Gaz. vol. 203; p. 28.
- Gibbons, Thomas J. (See Kennedy and Gibbons.)
- Gibbons, Thomas J., Platte, S. D. Harrow-tooth. No. 1,091,831; Mar. 31; Gaz. vol. 200; p. 1247.
- Gibbons, William G., Edinburgh, Scotland, and F. J. Blake, Bassett, assignors to J. Stone & Company, Limited, Deptford, England. Release mechanism for bulkhead-doors and the like. No. 1,088,272; Feb. 24; Gaz. vol. 199; p. 1079.
- Gibbons, William G., Edinburgh, Scotland, and F. J. Blake, Bassett, assignors to J. Stone & Company Limited, Deptford, England. Hydraulic bulkhead-door apparatus. No. 1,090,784; Mar. 17; Gaz. vol. 200; p. 813.
- Gibbons, William J., Philadelphia, Pa. Holder for knives, spoons, and other utensils. No. 1,120,924; Dec. 15; Gaz. vol. 209; p. 789.
- Gibbs, Benjamin, Philadelphia, Pa. Union undergarment. No. 1,088,338; Feb. 24; Gaz. vol. 199; p. 1100.
- Gibbs, Charles, assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 1,094,713; Apr. 28; Gaz. vol. 201; p. 1019.
- Gibbs, Charles, and J. Sokolov, assignors, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 1,095,275; May 5; Gaz. vol. 202; p. 34.
- Gibbs, Charles, and J. Sokolov, assignors to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 1,120,381; Dec. 8; Gaz. vol. 209; p. 549.
- Gibbs, Chester A. (See Lieber and Gibbs.)
- Gibbs Company. (See Gibbs, William E., assignor.)
- Gibbs, David, San Francisco, Cal. Flush-out. No. 1,120,925; Dec. 15; Gaz. vol. 209; p. 789.
- Gibbs, Earl J., assignor of one-half to E. S. Cary, Evansville, Wis. Electric-fuse cut-out. No. 1,102,579; July 7; Gaz. vol. 204; p. 126.
- Gibbs, Edward F. G., Washington, D. C. Holder for metal-boring tools. No. 1,089,635; Mar. 10; Gaz. vol. 200; p. 377.
- Gibbs, Edward F. G., Washington, D. C. Hand grinding-jig. No. 1,120,926; Dec. 15; Gaz. vol. 209; p. 790.
- Gibbs, Frank C., Davenport, Iowa. Boiler-compound-feeding apparatus. No. 1,120,047; Dec. 8; Gaz. vol. 209; p. 431.
- Gibbs, George. (See Stevenson and Gibbs.)
- Gibbs, George, New York, N. Y. Overhead-trolley construction. No. 1,098,717; June 2; Gaz. vol. 203; p. 123.
- Gibbs, George, New York, N. Y., and E. R. Hill, East Orange, N. J. Overhead contact-shoe for electric railways. No. 1,100,014; June 16; Gaz. vol. 203; p. 644.
- Gibbs, George J., Preston, England. Apparatus for indicating or measuring the rate of flow of fluid through pipes or for detecting leakage. No. 1,098,247; May 26; Gaz. vol. 202; p. 1182.
- Gibbs, George W., New York, N. Y. Time-recorder. No. 1,089,760; Mar. 10; Gaz. vol. 200; p. 421.
- Gibbs, Henry, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Hose-nozzle. No. 1,085,120; Jan. 27; Gaz. vol. 198; p. 716.
- Gibbs, Henry, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Lawn-sprinkler. No. 1,086,288; Feb. 3; Gaz. vol. 199; p. 248.
- Gibbs, Henry, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Machine for applying ferrules or bands to hose. No. 1,096,502; May 12; Gaz. vol. 202; p. 489.
- Gibbs, Henry, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Hose-clamp. No. 1,096,503; May 12; Gaz. vol. 202; p. 489.
- Gibbs-Inman Company. (See Gibbs, James D., assignor.)
- Gibbs, Isaac D. (See Snead, George P., assignor.)
- Gibbs, James D., Louisville, Ky. Railway interline ticket. No. 1,103,757; July 14; Gaz. vol. 204; p. 581.
- Gibbs, James D., assignor to Gibbs-Inman Company, Louisville, Ky. Cash-check. No. 1,084,143; Jan. 13; Gaz. vol. 198; p. 324.
- Gibbs, James D., assignor to Gibbs-Inman Company, Louisville, Ky. Railway-passagge ticket. No. 1,100,724; June 23; Gaz. vol. 203; p. 941.
- Gibbs, James E., Dickson, Tenn. Woodworking-machine. No. 1,104,791; July 28; Gaz. vol. 204; p. 1027.
- Gibbs, James E., Cincinnati, Ohio, assignor of one-half to W. A. Byerly, Bridgewater, Va. Electric massage instrument. No. 1,103,669; July 14; Gaz. vol. 204; p. 553.
- Gibbs, James E., Cincinnati, Ohio, assignor of one-half to W. A. Byerly, Bridgewater, Va. Door-check. No. 1,104,653; July 21; Gaz. vol. 204; p. 931.
- Gibbs, Jasper. (See Dale, Samuel H., assignor.)
- Gibbs, John C., Philadelphia, Pa. Lid-raising device. No. 1,107,781; Aug. 18; Gaz. vol. 205; p. 863.
- Gibbs Manufacturing Company, The. (See Preyer, Frederick W., assignor.)

Alphabetical list of patentees—Continued.

- Gibbs, Oscar D., Spokane, Wash. Box-lid presser. No. 1,105,900; Aug. 4; Gaz. vol. 205; p. 109.
- Gibbs, Oscar D., Spokane, Wash. Box-lidding machine. No. 1,111,894; Sept. 29; Gaz. vol. 206; p. 1231.
- Gibbs, Ralph F. (See Billington and Gibbs.)
- Gibbs, William E., Oak Point, Wash. Saw-jointer. No. 1,091,329; Mar. 24; Gaz. vol. 200; p. 1030.
- Gibbs, William E., assignor to Gibbs Company, Plainfield, N. J. Apparatus for electrolytic production of wire. No. 1,120,191; Dec. 8; Gaz. vol. 209; p. 482.
- Gibbs, William R., East Liverpool, Ohio. Nut-lock. No. 1,099,292; June 9; Gaz. vol. 203; p. 359.
- Giberson, Mason B., assignor to Monarch Steel Castings Company, Detroit, Mich. Dust-collector for grinders. No. 1,094,553; Apr. 28; Gaz. vol. 201; p. 959.
- Gibford, Edward B., Adrian, Mich. Machine for stropping razors. No. 1,089,832; Mar. 10; Gaz. vol. 200; p. 445.
- Gibney, Charles T., Laporte City, Iowa. Oiler. No. 1,102,333; July 7; Gaz. vol. 204; p. 39.
- Gibson, Adelbert R., and G. H. Ferguson, Los Angeles, Cal. Vibratory bed. No. 1,110,920; Sept. 15; Gaz. vol. 206; p. 812.
- Gibson, Alexander P. (See Graves, McCollman, and Gibson.)
- Gibson, Angus H. (See Roberts and Gibson.)
- Gibson, Arthur H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Pulsator. No. 1,085,978; Feb. 3; Gaz. vol. 199; p. 142.
- Gibson, Arthur H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Mining-machine. No. 1,096,031; May 12; Gaz. vol. 202; p. 328.
- Gibson, Calder C., Buffalo, N. Y. Air-cushion for rubber stamps. No. 1,103,670; July 14; Gaz. vol. 204; p. 553.
- Gibson, Cecil E., Indianapolis, Ind. Automobile. No. 1,111,018; Sept. 22; Gaz. vol. 206; p. 889.
- Gibson, Edward, Jersey City, N. J. Dumping-grate for furnaces. No. 1,116,409; Nov. 10; Gaz. vol. 208; p. 362.
- Gibson, Francis W., Boston, Mass., assignor to Advertisers Company. Game apparatus. No. 1,092,642; Apr. 7; Gaz. vol. 201; p. 180.
- Gibson, Francis W., West Roxbury, Mass., assignor to The H. D. Beach Company. Display-rack. No. 1,102,037; June 30; Gaz. vol. 203; p. 1450.
- Gibson, Francis W., West Roxbury, and C. S. Marden, Cambridge, Mass., assignors to The H. D. Beach Company. Box display-cover. No. 1,115,422; Oct. 27; Gaz. vol. 207; p. 1190.
- Gibson, Frederick J., Oakland, Cal. Amusement device. No. 1,107,287; Aug. 18; Gaz. vol. 205; p. 685.
- Gibson, George H. (See Bancel, Paul A., assignor.)
- Gibson, George H. (See Rowley and Gibson.)
- Gibson, George H., Montclair, N. J. Hot-water heating system. No. 1,116,690; Nov. 10; Gaz. vol. 208; p. 465.
- Gibson, George H., Montclair, N. J., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Combined water heating and measuring apparatus. No. 1,096,621; May 12; Gaz. vol. 202; p. 528.
- Gibson, George H., Montclair, N. J., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Water-purification apparatus. No. 1,119,008; Dec. 1; Gaz. vol. 209; p. 37.
- Gibson, George H., Montclair, N. J., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Apparatus for heating water. No. 1,119,819; Dec. 8; Gaz. vol. 209; p. 351.
- Gibson, George H., Montclair, N. J., assignor to himself, and P. A. Bancel, New York, N. Y. Centrifugal pump. No. 1,099,921; June 16; Gaz. vol. 203; p. 612.
- Gibson, George P., Braddock, Pa. Ore-roasting furnace. No. 1,107,604; Aug. 18; Gaz. vol. 205; p. 799.
- Gibson, George W., Plumerville, Ark. Back-brace. No. 1,098,492; June 2; Gaz. vol. 203; p. 47.
- Gibson, Henry C., Little Rock, Ark. Manicure-stick. No. 1,112,207; Sept. 29; Gaz. vol. 206; p. 1336.
- Gibson, Hugo C., New York, N. Y., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Detachable wheel-rim. No. 1,087,534; Feb. 17; Gaz. vol. 199; p. 776.
- Gibson, John, Courtenay, N. D. Seed-planter. No. 1,102,038; June 30; Gaz. vol. 203; p. 1450.
- Gibson, Joseph R., Outremont, Quebec, Canada. Safety-lock for water-gage mountings. No. 1,087,008; Feb. 10; Gaz. vol. 199; p. 541.
- Gibson, Joseph W., Brantley, Ala. Pattern for stump-burning fireplaces. No. 1,113,774; Oct. 13; Gaz. vol. 207; p. 518.
- Gibson, Robert A., Berkeley, and J. B. Sartolow, Emeryville, assignors to Universal Display Advertising Company, Oakland, Cal. Music-leaf turner. (Reissue.) No. 1,378,949; Aug. 18; Gaz. vol. 205; p. 978.
- Gibson, Robert L., Philadelphia, Pa. Sound-box for reproducing and recording sound-waves. No. 1,118,647; Nov. 24; Gaz. vol. 208; p. 1230.
- Gibson, Theodore, San Francisco, Cal. Amusement apparatus. No. 1,100,725; June 23; Gaz. vol. 203; p. 942.
- Gibson, Thomas, G. A. Farmer, and E. Read, Burton-upon-Trent, England. Circuit-closing mechanism. No. 1,120,805; Dec. 15; Gaz. vol. 209; p. 746.
- Gibson, William, San Bruno, Cal. Shingling-bracket. No. 1,113,775; Oct. 13; Gaz. vol. 207; p. 519.
- Gibson, William H., assignor of one-half to H. T. Savage, Wanganui, New Zealand. Composition for branding cattle, horses, and the like. No. 1,101,795; June 30; Gaz. vol. 203; p. 1364.
- Gibson, William J., *et al.* (See McCoy, Charles W., assignor.)
- Gibson, William P., and W. H. Ross, London, England, assignors to The Kinnear Manufacturing Company, Columbus, Ohio. Mechanism for actuating trip-release devices for fire-resisting curtains. No. 1,088,694; Mar. 3; Gaz. vol. 200; p. 8.
- Gidanski, Charles M., New York, N. Y. Rail-supporting structure. No. 1,110,124; Sept. 8; Gaz. vol. 206; p. 491.
- Gidden, William T. (See Hunt and Gidden.)
- Giddens, Lewis D., Wilson, N. C. Clock. No. 1,104,043; July 21; Gaz. vol. 204; p. 720.
- Giddens, Perry G., Hartsfield, Ga. Back-band and trace holder. No. 1,097,219; May 19; Gaz. vol. 202; p. 780.
- Giddings, Frederick E. (See Phalen and Giddings.)
- Giddings, Homer E., Pitt Meadows, British Columbia, Canada. Rail-joint. No. 1,107,930; Aug. 18; Gaz. vol. 205; p. 911.
- Giegerich, Albert, Dubuque, Iowa. Device for advertising. No. 1,111,957; Sept. 29; Gaz. vol. 206; p. 1250.
- Giel, Willem J., The Hague, Netherlands. Type-writer. No. 1,108,742; Aug. 25; Gaz. vol. 205; p. 1243.
- Gier, Emil, Mount Angel, Oreg. Stovepipe-shield. No. 1,094,066; Apr. 21; Gaz. vol. 201; p. 735.
- Giertsen, Edward B., Bergen, R. Skancke, and A. N. Böhler, Christiania, Norway. Sputum-cup. No. 1,087,009; Feb. 10; Gaz. vol. 199; p. 542.
- Giertsen, Waldemar. (See Nelson, Arthur W., assignor.)
- Giertsen, Waldemar, Chicago, Ill. Chain-feed saw. No. 1,109,747; Sept. 8; Gaz. vol. 206; p. 356.
- Giese, Charles H., Newark, N. J. Water-heating appliance for gas-stoves. No. 1,111,148; Sept. 22; Gaz. vol. 206; p. 934.
- Giese, Richard S., Pittsburgh, Pa. Electric table-lamp. No. 1,121,242; Dec. 15; Gaz. vol. 209; p. 898.
- Giesebrecht, Frederick E. M. (See Woods and Giesebrecht.)
- Gieseler, William H., Passaic, N. J. Boiler for steam-radiators. No. 1,109,983; Sept. 8; Gaz. vol. 206; p. 440.
- Giesen, Arnold. (See Curnow, John T., assignor.)
- Giesenhaus, Fred, Muscatine, Iowa. Fish-guard. No. 1,087,163; Feb. 17; Gaz. vol. 199; p. 646.
- Giesler, Franklin B., Milwaukee, Wis. Method and apparatus for mixing concrete. No. 1,096,103; May 12; Gaz. vol. 202; p. 352.
- Giesler, Fred C., Beaver township, Butler county, Iowa. Mail-holding device. No. 1,104,883; July 28; Gaz. vol. 204; p. 1060.
- Giesow, Harry G. (See De Escobales and Ampudia, assignors.)
- Giffey, J. B., *et al.* (See Penn, Ralph L., assignor.)
- Gifford, Albert J., assignor to W. H. Leland & Company, Worcester, Mass. Driving mechanism for machine-tools. No. 1,091,569; Mar. 31; Gaz. vol. 200; p. 1155.
- Gifford, Arthur N., Meridian, Miss. Safety-lock for railway-switches. No. 1,122,585; Dec. 29; Gaz. vol. 209; p. 1437.
- Gifford, Harry E., assignor to Dorsey Manufacturing Company, Boston, Mass. Cover. No. 1,108,108; Aug. 18; Gaz. vol. 205; p. 976.
- Gifford, Mary H., Worcester, Mass. Boneless corset. No. 1,085,121; Jan. 27; Gaz. vol. 198; p. 716.
- Gifford, William A., Lansing, Mich. Internal-combustion engine. No. 1,100,295; June 16; Gaz. vol. 203; p. 743.
- Gift, Charles W., Waynesboro, Pa. Mechanical movement. No. 1,105,418; July 28; Gaz. vol. 204; p. 1249.
- Giger, August, Portland, Oreg. Hydraulic screw. No. 1,114,603; Oct. 20; Gaz. vol. 207; p. 849.
- Giglio, Alfonso de, Copenhagen, Denmark. Kinematographic apparatus utilizing the usual photographic films. No. 1,109,575; Sept. 1; Gaz. vol. 206; p. 251.
- Giguère, Limoge, Montreal, Quebec, Canada. Concrete-mold. No. 1,121,492; Dec. 15; Gaz. vol. 209; p. 985.
- Gilbert & Barker Manufacturing Company. (See Barker, John F., assignor.)
- Gilbert, Franklin P., assignor of one-half to J. A. Mooney, Palmerton, Pa. Composition road-bed. No. 1,099,697; June 9; Gaz. vol. 203; p. 500.
- Gilbert, Frederick, Edgbaston, Birmingham, England. Bronzing apparatus. No. 1,105,508; July 28; Gaz. vol. 204; p. 1279.
- Gilbert, Guy G., Tulsa, Okla. Billiard-cue-chalk holder. No. 1,097,088; May 19; Gaz. vol. 202; p. 735.
- Gilbert, Horace M., North Yakima, Wash. Apparatus for sorting and grading fruits and vegetables. No. 1,083,397; Jan. 6; Gaz. vol. 198; p. 46.
- Gilbert, James M., Dallas, Tex. Combined supplemental gas reservoir and burner. No. 1,113,326; Oct. 13; Gaz. vol. 207; p. 361.
- Gilbert, Justin, Victoria, British Columbia, Canada. Self-filling fountain-pen. No. 1,108,743; Aug. 25; Gaz. vol. 205; p. 1243.
- Gilbert, Lewis H., Milwaukee, Wis. Sandal. No. 1,086,289; Feb. 3; Gaz. vol. 199; p. 248.

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- Gilbert, Sidney C., Newbern, N. C. Vending-machine. No. 1,092,988; Apr. 14; Gaz. vol. 201; p. 331.
- Gilbert, Walter V., East Ham, England. Starting device for internal-combustion engines. No. 1,105,509; July 28; Gaz. vol. 204; p. 1280.
- Gilbert, Walter V., Cambridge, England. Means for closing and locking port-holes and the like. No. 1,111,571; Sept. 22; Gaz. vol. 206; p. 1079.
- Gilbert, William N., Springfield, Ohio. Scale. No. 1,106,799; Aug. 11; Gaz. vol. 205; p. 467.
- Gilchrist Company, The. (See Gilchrist, Raymond B., assignor.)
- Gilchrist, John F., and G. B. Kell, Chicago, Ill., assignors to Federal Sign System (Electric). Electric-lighting fixture. No. 1,117,031; Nov. 10; Gaz. vol. 208; p. 584.
- Gilchrist, Joseph J., Pittsburgh, Pa. Nut-lock. No. 1,099,743; June 9; Gaz. vol. 203; p. 514.
- Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Bottle-holder. No. 1,096,622; May 12; Gaz. vol. 202; p. 528.
- Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Ice-cream disher. No. 1,109,576; Sept. 1; Gaz. vol. 206; p. 251.
- Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Ice-cream ladle. No. 1,109,577; Sept. 1; Gaz. vol. 206; p. 252.
- Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Ice-cream ladle. No. 1,109,578; Sept. 1; Gaz. vol. 206; p. 252.
- Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Ice-cream disher. No. 1,109,579; Sept. 1; Gaz. vol. 206; p. 253.
- Gildea, Warren C., Chicago, Ill. Perambulator. No. 1,119,009; Dec. 1; Gaz. vol. 209; p. 38.
- Giles, A. S. (See Edwards, Eugene P., assignor.)
- Giles, Charles W., Attleboro, Mass. Railway cross-tie. No. 1,089,048; Mar. 3; Gaz. vol. 200; p. 128.
- Giles, Donald M. (See Giles, John H. and D. M.)
- Giles, Frank E., Scranton, Pa. Music-leaf turner. No. 1,104,983; July 28; Gaz. vol. 204; p. 1094.
- Giles, Georges, Fribourg, Switzerland. Lightning-arrester. No. 1,111,453; Sept. 22; Gaz. vol. 206; p. 1038.
- Giles, John H. and D. M., Amsterdam, N. Y., assignors to John H. Giles Dyeing Machine Company, Portland, Me. Dyeing-machine. No. 1,114,464; Oct. 20; Gaz. vol. 207; p. 803.
- Giles, Julian A., Derby, assignor to The Duplex Paper Box Machine Company, New Haven, Conn. Paper-box machine. No. 1,111,572; Sept. 22; Gaz. vol. 206; p. 1080.
- Gillilan, James O., Napoleon, N. D. Vehicle-spring. No. 1,117,369; Nov. 17; Gaz. vol. 208; p. 743.
- Gilkerson, Solomon D., Winnipeg, Manitoba, Canada. Reinforcing and shape-keeping card for clothes. No. 1,113,327; Oct. 13; Gaz. vol. 207; p. 362.
- Gill, Edwin R., Yonkers, N. Y., assignor, by mesne assignments, to Hall Switch & Signal Company. Selective signaling system. No. 1,091,832; Mar. 31; Gaz. vol. 200; p. 1248.
- Gill, Edwin R., Yonkers, N. Y., assignor, by mesne assignments, to Hall Switch & Signal Company. Selective mechanical operator. No. 1,105,194; July 28; Gaz. vol. 204; p. 1166.
- Gill, Edwin R., Yonkers, N. Y., assignor, by mesne assignments, to Hall Switch & Signal Company. Signaling system. (Reissue.) No. 13,795; Sept. 1; Gaz. vol. 206; p. 281.
- Gill, Edwin R., Yonkers, N. Y., assignor, by mesne assignments, to The Hall Switch & Signal Company. Automatic signal-operator. (Reissue.) No. 13,800; Sept. 15; Gaz. vol. 206; p. 844.
- Gill, Edwin R., Yonkers, N. Y., assignor, by mesne assignments, to The Hall Switch & Signal Company. Selective signaling system. No. 1,111,792; Sept. 29; Gaz. vol. 206; p. 1194.
- Gill, Fred A., Bradford, Pa. Drill. No. 1,098,795; June 2; Gaz. vol. 203; p. 148.
- Gill, Geoffrey M., London, England. Clinker-breaking machine. No. 1,100,476; June 16; Gaz. vol. 203; p. 805.
- Gill, George C., assignor to Matchless Heater Company, Holyoke, Mass. Heating system. No. 1,118,485; Nov. 24; Gaz. vol. 208; p. 1175.
- Gill, John H., Dunedin, New Zealand. Automatic apparatus for controlling the period of artificial illumination. No. 1,097,176; May 19; Gaz. vol. 202; p. 765.
- Gill, Leland S., Elko, Nev. Tire-protector. No. 1,086,815; Feb. 10; Gaz. vol. 199; p. 477.
- Gill, Lewis W., assignor to Lachman Manufacturing Company, New York, N. Y. Reel. No. 1,105,028; July 28; Gaz. vol. 204; p. 1109.
- Gill, William A., assignor of one-half to F. A. Cook, Portland, Oreg. Valve mechanism for gas-engines. No. 1,110,921; Sept. 15; Gaz. vol. 206; p. 812.
- Gillam, Archibald L., Sandusky, Mich. Dipper-excavator. No. 1,120,806; Dec. 15; Gaz. vol. 209; p. 746.
- Gillam, Manly M., Flushing, N. Y. Nut-cracking device. No. 1,107,288; Aug. 18; Gaz. vol. 205; p. 686.
- Gillam, Manly M., Flushing, N. Y. Adjustable heat and fuel economizer. No. 1,107,605; Aug. 18; Gaz. vol. 205; p. 800.
- Gillam, William O., Kokomo, Ind. Wire-wiping machine. No. 1,085,122; Jan. 27; Gaz. vol. 198; p. 716.
- Gillar, Henry, Hoboken, N. J. Hose connection. No. 1,098,620; June 2; Gaz. vol. 203; p. 91.
- Gillard, William. (See Kurtze and Gillard.)
- Gilles, John P., Ashland, assignor of one-tenth to H. G. Rowley, Stuart, Okla. Landside-protector for plows. No. 1,114,687; Oct. 20; Gaz. vol. 207; p. 878.
- Gillespie, Alfred J., Atlantic, Iowa, assignor, by mesne assignments, to Empire Voting Machine Company. Voting-machine. No. 1,088,816; Mar. 3; Gaz. vol. 200; p. 48.
- Gillespie, Charles B., Grand Forks, N. D. Means for excluding flies from buildings. No. 1,095,499; May 5; Gaz. vol. 202; p. 112.
- Gillespie, George W. (See Rookledge and Gillespie.)
- Gillespie, John C., Lstant, Ill. Marker for corn-planters. No. 1,101,627; June 30; Gaz. vol. 203; p. 1306.
- Gillespie, John J., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Stamping-machine. No. 1,102,039; June 30; Gaz. vol. 203; p. 1451.
- Gillespie, John J., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Coating-machine. No. 1,119,820; Dec. 8; Gaz. vol. 209; p. 352.
- Gillespie, Ozro H., Madison, Nebr. Burial-casket. No. 1,093,324; Apr. 14; Gaz. vol. 201; p. 448.
- Gillespie, Robert A. (See Schoil and Gillespie.)
- Gillespie, Robert A., Pittsburgh, Pa. Household slicer and grater. No. 1,087,652; Feb. 17; Gaz. vol. 199; p. 820.
- Gillespie, Thomas. (See Frye, Henry V., assignor.)
- Gillett, Walter, Cleveland, Ohio. Carbureter. No. 1,101,736; June 30; Gaz. vol. 203; p. 1341.
- Gillett, Walter, London, England. Carbureter for internal-combustion engines. No. 1,106,091; Aug. 4; Gaz. vol. 205; p. 177.
- Gillette, Ernest, Kearney, Nebr. Hand-rake. No. 1,122,730; Dec. 29; Gaz. vol. 209; p. 1490.
- Gillette, George F., Detroit, Mich. Engine-valve. No. 1,111,827; Sept. 29; Gaz. vol. 206; p. 1206.
- Gillette, George F., Detroit, Mich. Engine valve mechanism. No. 1,115,660; Nov. 3; Gaz. vol. 208; p. 66.
- Gillette, George F., Los Angeles, Cal. Internal-combustion-engine valve. No. 1,112,786; Oct. 6; Gaz. vol. 207; p. 131.
- Gillette, Herbert B., *et al.* (See Smith, Robert, assignor.)
- Gillette, Herbert B., Grand Rapids, Mich. Pneumatic tire. No. 1,104,186; July 21; Gaz. vol. 204; p. 769.
- Gillette, Herbert B., Grand Rapids, Mich. Pneumatic tire. No. 1,121,917; Dec. 22; Gaz. vol. 209; p. 1171.
- Gillette, Herbert B., assignor to The Peninsular Tire and Rubber Company, Grand Rapids, Mich. Pneumatic tire. No. 1,100,726; June 23; Gaz. vol. 203; p. 942.
- Gillette, King C., Brookline, Mass. Safety-razor. No. 1,111,721; Sept. 22; Gaz. vol. 206; p. 1132.
- Gillette Safety Razor Company. (See Crichton-Clarke, William H., assignor.)
- Gillette-Vibber Co., The. (See Vibber, Wheeler H., assignor.)
- Gilliam Manufacturing Company, The. (See Koppe, Joseph, assignor.)
- Gilliam Manufacturing Company, The. (See Krug, Dayton, assignor.)
- Gilliam Manufacturing Company, The. (See Steiner and White, assignors.)
- Gilliam Manufacturing Company, The. (See White, Harry B., assignor.)
- Gilliam, Robert L., New York, N. Y. Treating lumber. No. 1,084,266; Jan. 13; Gaz. vol. 198; p. 365.
- Gilllan, Herman, assignor to The Defiance Tick Mitten Company, Toledo, Ohio. Reversible mitten or glove. No. 1,118,758; Nov. 24; Gaz. vol. 208; p. 1267.
- Gillier, Louis E. A., Troyes, France. Vaporizing device for weaving apparatus. No. 1,106,299; Aug. 4; Gaz. vol. 205; p. 245.
- Gillies, John S., Manila, Philippine Islands. Uniting the fibers of fibrous plants. No. 1,095,103; Apr. 28; Gaz. vol. 201; p. 1151.
- Gillies, John S., Manila, Philippine Islands. Making fabrics from fibrous plants. No. 1,096,709; May 12; Gaz. vol. 202; p. 557.
- Gilligan, Martin F., *et al.* (See McDowell, Robert G., assignor.)
- Gilliland, Charles B., Chicago, Ill. Tobacco-pipe. No. 1,104,654; July 21; Gaz. vol. 204; p. 932.
- Gilliland, Charles L. (See Ewing, Moses, assignor.)
- Gilliland, Lee O., and F. A. Sharpneck, Chicago, Ill.; said Sharpneck assignor to said Gilliland. Carbureter. No. 1,119,821; Dec. 8; Gaz. vol. 209; p. 352.
- Gilling, Preston E., East Orange, N. J. Electric switch. No. 1,101,272; June 23; Gaz. vol. 203; p. 1131.
- Gillingham, Charles A., Lakewood, Ohio, assignor to National Carbon Company, Protecting-seal. No. 1,118,121; Nov. 24; Gaz. vol. 208; p. 1046.
- Gillis, Benjamin F., Watertown, Wis. Wheel for traction-engines. No. 1,104,655; July 21; Gaz. vol. 204; p. 932.
- Gillis & Geoghegan. (See Geoghegan, Walter F., assignor.)
- Gillis & Geoghegan. (See Kearney, John A., assignor.)
- Gillitzer, Guido. (See Weymann and Gillitzer.)

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- Gillmor, Horatio G., Bath, Me. Rail-joint. No. 1,107,419; Aug. 18; Gaz. vol. 205; p. 734.
- Gillmor, Horatio G., Portsmouth, Va. Rail-anchor. No. 1,107,782; Aug. 18; Gaz. vol. 205; p. 863.
- Gillons, George H., assignor to Richfield Oil Company, Los Angeles, Cal. Oil-refining mechanism. No. 1,084,080; Jan. 13; Gaz. vol. 198; p. 302.
- Gillum, Frank M., *et al.* (See Thomas, Mark M., assignor.)
- Gilman, Albert E. (See Gilman, John H. and A. E.)
- Gilman, Frank, Warley, and G. F. Clements, Smethwick, assignors of one-fourth to C. T. Hopkins and one-fourth to C. B. Ketley, Birmingham, England. Fluid-pressure-operated combined brush and scraper. No. 1,122,731; Dec. 29; Gaz. vol. 209; p. 1490.
- Gilman, George H. (See Sheehan and Gilman.)
- Gilman, George H., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Fluid-pressure-actuated tool. No. 1,095,848; May 5; Gaz. vol. 202; p. 230.
- Gilman, George H., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Chuck-retaining device. No. 1,103,009; July 7; Gaz. vol. 204; p. 273.
- Gilman, George H., and H. M. Robertson, St. Paul, Minn. Uncoupling mechanism. No. 1,113,983; Oct. 20; Gaz. vol. 207; p. 630.
- Gilman, George H., St. Paul, Minn., and J. H. Brown, East San Diego, Cal. Emergency-knuckle for car-couplings. No. 1,114,604; Oct. 20; Gaz. vol. 207; p. 849.
- Gilman, George H., and L. A. Knights, Claremont, N. H., assignors, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Drill-bit-rotating device. No. 1,103,002; July 7; Gaz. vol. 204; p. 270.
- Gilman, John H., assignor to King & Hamilton Company, Ottawa, Ill. Conveying apparatus. No. 1,086,522; Feb. 10; Gaz. vol. 199; p. 374.
- Gilman, John H. and A. E., assignors to King & Hamilton Company, Ottawa, Ill. Elevating apparatus. No. 1,089,125; Mar. 3; Gaz. vol. 200; p. 156.
- Gilman, Lewis N., Allerton, Mass. Auxiliary heater. No. 1,118,196; Nov. 24; Gaz. vol. 208; p. 1071.
- Gilmore, Allen R. (See Stevens, Samuel J., assignor.)
- Gilmore, Earl L., Napa, Cal. Motion-slide for stereopticons. No. 1,083,679; Jan. 6; Gaz. vol. 198; p. 139.
- Gilmore, Earl L., San Francisco, Cal. Motion-slide for stereopticons. No. 1,113,610; Oct. 13; Gaz. vol. 207; p. 461.
- Gilmore, John M., Chicago, Ill. Dental tool-holder. No. 1,108,570; Aug. 25; Gaz. vol. 205; p. 1184.
- Gilmore, John M., Chicago, Ill. Dental apparatus. No. 1,117,660; Nov. 17; Gaz. vol. 208; p. 845.
- Gilmore, Millard. (See Gervais and Gilmore.)
- Gilmore, Millard, assignor to Variety Manufacturing Company, Chicago, Ill. Lock for elevator-doors. No. 1,116,410; Nov. 10; Gaz. vol. 208; p. 362.
- Gilmore, Thomas N., Cranford, N. J., assignor to Westinghouse, Church, Kerr & Company, New York, N. Y. System and apparatus for blowing off, washing, and filling locomotive-boilers. No. 1,117,947; Nov. 17; Gaz. vol. 208; p. 944.
- Gilmore, William E., Holmesville, Ohio. Automobile. No. 1,107,057; Aug. 11; Gaz. vol. 205; p. 556.
- Gilmore, William R., assignor of one-fourth to M. J. Fitzgerald and one-fourth to C. H. Brown, Richmond, Cal. Sash-lock. No. 1,094,987; Apr. 28; Gaz. vol. 201; p. 1113.
- Gilmour, Mary A., Detroit, Mich. Bed-spring tightener. No. 1,096,710; May 12; Gaz. vol. 202; p. 557.
- Gilmour, William H., Liverpool, England. Portable liquid-spraying apparatus. No. 1,122,099; Dec. 22; Gaz. vol. 209; p. 1235.
- Gilnett, Howard S. (See Henry, Eugene E., assignor.)
- Gilpin, Robert W., and J. B. Romine, Codell, Kans. Detachable packer-rim for harrow-disks. No. 1,105,130; July 28; Gaz. vol. 204; p. 1144.
- Gilroy, Frank J., Buffalo, N. Y. Railway-car. No. 1,118,277; Nov. 24; Gaz. vol. 208; p. 1098.
- Gilroy, William E., assignor to Eureka Mower Company, Utica, N. Y. Check-row corn-planter. No. 1,103,357; July 14; Gaz. vol. 204; p. 442.
- Gilsey, Olive S. (See Gilsey, Victor and O. S.)
- Gilsey, Victor and O. S., Red Bank, N. J. Direction-indicator for automobiles. No. 1,122,100; Dec. 22; Gaz. vol. 209; p. 1235.
- Gilson, Albert F. F., Closter, N. J., assignor to Western Electric Company, New York, N. Y. Switch-key. No. 1,109,919; Sept. 8; Gaz. vol. 206; p. 417.
- Gilson, Albert F. F., Closter, N. J., assignor to Western Electric Company, New York, N. Y. Transmitter-bracket. No. 1,118,340; Nov. 24; Gaz. vol. 208; p. 1121.
- Gilson, Emery G., Schenectady, N. Y., assignor to General Electric Company. Current-collector and making the same. No. 1,089,700; Mar. 10; Gaz. vol. 200; p. 400.
- Gilson, Emery G., Schenectady, N. Y., assignor to General Electric Company. Treating metals. No. 1,091,057; Mar. 24; Gaz. vol. 200; p. 940.
- Gilson, Emery G., Schenectady, N. Y., assignor to General Electric Company. Brush for dynamo-electric machines. No. 1,093,614; Apr. 21; Gaz. vol. 201; p. 583.
- Gilson, Emery G., Schenectady, N. Y., assignor to General Electric Company. Electrical cut-out. No. 1,121,997; Dec. 22; Gaz. vol. 209; p. 1199.
- Gilson, Henry R., Economy, Pa. Toy cannon. No. 1,083,361; Jan. 6; Gaz. vol. 198; p. 34.
- Gilson, Henry R., Baden, Pa. Attachment-plug. No. 1,123,187; Dec. 29; Gaz. vol. 209; p. 1653.
- Gilson, Henry R., Baden, assignor to National Metal Molding Company, Pittsburgh, Pa. Tool-operating mechanism. No. 1,090,471; Mar. 17; Gaz. vol. 200; p. 709.
- Gilson, James, Providence, R. I. Disinfectant device. No. 1,087,060; Feb. 10; Gaz. vol. 199; p. 558.
- Gilson, John E., assignor to Gilson Manufacturing Company, Port Washington, Wis. Portable frame for transmission-gearing. No. 1,096,104; May 12; Gaz. vol. 202; p. 352.
- Gilson Manufacturing Company. (See Gilson, John E., assignor.)
- Gilson, Thomas, Providence, R. I. Jack connection for loom shedding mechanisms. No. 1,085,565; Jan. 27; Gaz. vol. 198; p. 866.
- Ginaca, Henry G., assignor to Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. Machine for treating fruit. No. 1,112,130; Sept. 29; Gaz. vol. 206; p. 1308.
- Ginaca, Henry G., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Treating pineapples. No. 1,121,007; Dec. 15; Gaz. vol. 209; p. 817.
- Gindele, Harrison, Cincinnati, Ohio. Focusing-hood for cameras. No. 1,115,423; Oct. 27; Gaz. vol. 207; p. 1190.
- Gindling, John H., Tampa, Fla. Mouse-guard for musical instruments. No. 1,097,857; May 26; Gaz. vol. 202; p. 1045.
- Gindre, Eugène, Paris, assignor to Societe Anonyme Le Carbone, Levallois-Perret, near Paris, France. Electrical connection. No. 1,122,495; Dec. 29; Gaz. vol. 209; p. 1407.
- Gingras, Edward F., Buffalo, N. Y. Bottle-hanger. No. 1,090,392; Mar. 17; Gaz. vol. 200; p. 681.
- Gingras, George, Bergenfield, N. J. Game. No. 1,085,202; Jan. 27; Gaz. vol. 198; p. 744.
- Gingras, Octave, and J. Couture, Laurierville, Quebec, Canada. Stone-picking machine. No. 1,122,101; Dec. 22; Gaz. vol. 209; p. 1235.
- Gingrich, Elva C., Toulon, Ill. Spark-plug. No. 1,116,584; Nov. 10; Gaz. vol. 208; p. 426.
- Ginn & Company. (See Thurber, Charles H., assignor.)
- Ginn, Percy E. (See Holt, Amos D., assignor.)
- Ginn, Percy E. (See Scott, Charles D., assignor.)
- Ginn, Percy E. (See Wellman, Charles F., assignor.)
- Giolitti, Federico, Turin, assignor to Societa Anonima Italiana Gio. Ansaldo Armstrong & Co., Genoa, Italy. Cementation of articles of iron, steel, and alloys of steel. No. 1,093,844; Apr. 21; Gaz. vol. 201; p. 662.
- Giovannoni, Charles, Enterprise, Oreg. Wire-clamp for insulators. No. 1,118,545; Nov. 24; Gaz. vol. 208; p. 1196.
- Gioyer, Alessandro, Bellinzona, Switzerland. Adjustable wrench. No. 1,102,040; June 30; Gaz. vol. 203; p. 1451.
- Gipe, Emanuel C., Toronto, Ontario, Canada. Automatic lock for elevated carriers. No. 1,087,653; Feb. 17; Gaz. vol. 199; p. 820.
- Gipple, Merton R., Prairie Grove, Ark. Muffler for internal-combustion motors. No. 1,085,203; Jan. 27; Gaz. vol. 198; p. 745.
- Giragossian, Archie, *et al.* (See Cecchini, Robert, assignor.)
- Girard, Antoine L. (See Comb and Girard.)
- Girard, Arthur A., Hyde Park, Mass. Curtain-holder. No. 1,099,034; June 2; Gaz. vol. 203; p. 228.
- Girard, Fritz, assignor to Firm of W. C. Heraeus, Gesellschaft mit beschränkter Haftung, Hanau, Germany. Connection for starting metallic-vapor lamps. No. 1,091,648; Mar. 31; Gaz. vol. 200; p. 1183.
- Girard, Louis B., and J. P. Whitmore, assignors to Girard Manufacturing Company, Los Angeles, Cal. Shade-adjuster. No. 1,112,000; Sept. 29; Gaz. vol. 206; p. 1264.
- Girard Manufacturing Company. (See Girard and Whitmore, assignors.)
- Girard, Paul, Lyon, France. Velvet or carpet loom. No. 1,099,354; June 9; Gaz. vol. 203; p. 382.
- Girard, Paul, Lyon, France. Velvet or carpet loom. No. 1,116,411; Nov. 10; Gaz. vol. 208; p. 362.
- Girardeau, Emile, assignor of one-half to J. Bethenod, Paris, France. Aerial for wireless telegraphy. No. 1,101,175; June 23; Gaz. vol. 203; p. 1099.
- Girardeau, Emile, assignor of one-half to J. Bethenod, Paris, France. Automatic commutator for radiotelegraphic plants with indirect excitation. No. 1,105,029; July 28; Gaz. vol. 204; p. 1110.
- Girardeau, Emile, and J. Bethenod, Paris, France. System for producing high-frequency currents. No. 1,101,491; June 23; Gaz. vol. 203; p. 1207.
- Girl, Christian. (See Schultis, Charles F., assignor.)
- Girod, Edgar F., Monroe, La. Rotary engine. No. 1,093,584; Apr. 14; Gaz. vol. 201; p. 529.
- Girod, Edgar F., assignor of one-half to W. S. Leyens, Monroe, La. Pipe-coupling. No. 1,097,798; May 26; Gaz. vol. 202; p. 1027.

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- Giroud, Felipe, deceased; E. E. Chapman, executrix, New York, N. Y., assignor to Package Machinery Company. Packaging-machine. No. 1,110,125; Sept. 8; Gaz. vol. 206; p. 491.
- Giroud, Felipe, deceased; E. E. Chapman, executrix, New York, N. Y., assignor to Package Machinery Company. Wrapping-machine. No. 1,117,129; Nov. 10; Gaz. vol. 208; p. 617.
- Giroud, Felipe, deceased; E. E. Chapman, executrix, New York, N. Y., assignor to Package Machinery Company. Wrapping-machine. No. 1,117,130; Nov. 10; Gaz. vol. 208; p. 618.
- Girtanner, Alexander. (See Girtanner, Frederick and A.)
- Girtanner, Alexander, St. Louis, Mo. Packing-ring for pistons. No. 1,111,063; Sept. 22; Gaz. vol. 206; p. 904.
- Girtanner, Alexander, assignor of one-half to J. A. Daviss, St. Louis, Mo. Ash-conveyer. No. 1,096,623; May 12; Gaz. vol. 202; p. 529.
- Girtanner, Alexander, assignor of one-half to J. H. Reeder, St. Louis, Mo. Piston-packing for gas-engines. No. 1,111,062; Sept. 22; Gaz. vol. 206; p. 904.
- Girtanner, Frederick, St. Louis, Mo. Water-heater. No. 1,110,484; Sept. 15; Gaz. vol. 206; p. 659.
- Girtanner, Frederick and A., St. Louis, Mo. Furnace. No. 1,102,041; June 30; Gaz. vol. 203; p. 1452.
- Gish, Christopher C., Oatman, Ariz. Gate-latch. No. 1,088,561; Feb. 24; Gaz. vol. 199; p. 1173.
- Gish, John L., South Bend, Ind. Automobile-tire. No. 1,118,122; Nov. 24; Gaz. vol. 208; p. 1047.
- Gisholt Machine Company. (See Elvers, Hans C., assignor.)
- Gisholt Machine Company. (See McCabe, Horace B., assignor.)
- Gisholt Machine Company. (See Miller, William L., assignor.)
- Gist, Henry S., Hendon, London, England. Navigation device. No. 1,098,621; June 2; Gaz. vol. 203; p. 91.
- Gitenstein, Israel, New York, N. Y. Undergarment. No. 1,105,901; Aug. 4; Gaz. vol. 205; p. 109.
- Gittelsohn, Louis, Chicago, Ill. Pin-ticket. No. 1,113,611; Oct. 13; Gaz. vol. 207; p. 461.
- Gitzendanner, Charles, New York, N. Y., assignor to Kast Insetting and Gathering Machine Company. Book or pamphlet making machine. No. 1,092,439; Apr. 7; Gaz. vol. 201; p. 109.
- Gitzendanner, Charles, New York, N. Y., assignor to Kast Insetting and Gathering Machine Company. Book or pamphlet making machine. No. 1,118,409; Nov. 24; Gaz. vol. 208; p. 1146.
- Giugliano, Gennaro, West Hoboken, N. J. Pin-holder. No. 1,084,327; Jan. 13; Gaz. vol. 198; p. 385.
- Giugliano, Gennaro, West Hoboken, N. J. Clasp. No. 1,099,437; June 9; Gaz. vol. 203; p. 410.
- Giuliani, Alfredo, assignor of one-fourth to J. J. Walker and one-fourth to M. A. Scudi, New York, N. Y. Composition railway-tie. No. 1,104,258; July 21; Gaz. vol. 204; p. 793.
- Givens, Sam G., Paducah, Ky., and H. Lewis, New Liberty, Ill. Stovepipe-fastener. No. 1,097,423; May 19; Gaz. vol. 202; p. 850.
- Givulinovich, Lawrence, Seattle, Wash. Butter-cutting machine. No. 1,111,373; Sept. 22; Gaz. vol. 206; p. 1011.
- Glab, Nicholas. (See Gallup, Rockwell L., assignor.)
- Gladden, Alton A., Annapolis, Md. Stove attachment. No. 1,090,045; Mar. 10; Gaz. vol. 200; p. 518.
- Gladding, Charles B., Geneva, Ohio. Traction-wheel. No. 1,121,243; Dec. 15; Gaz. vol. 209; p. 899.
- Glade, Arloa B. (See Hopkins, Harvey L., assignor.)
- Glader, Frank, Chicago, Ill. Riveting-machine. No. 1,122,496; Dec. 29; Gaz. vol. 209; p. 1407.
- Gladitz, Karl, London, England. Press-mold for use in the manufacture of metallic bars from finely-divided metallic powders. No. 1,091,430; Mar. 24; Gaz. vol. 200; p. 1063.
- Gladney, Walter D., assignor of one-third to J. W. Park, Sillex, Mo. Electrical attachment for hay-presses. No. 1,098,493; June 2; Gaz. vol. 203; p. 47.
- Gladson, William N. (See Ripley, Gladson, and Thompson.)
- Gladwin, Charles C., New York, N. Y. Miter-box. No. 1,089,761; Mar. 10; Gaz. vol. 200; p. 421.
- Glaeser, Ewald, Markneukirchen, Germany. Tuning-peg for musical string instruments. No. 1,083,736; Jan. 6; Gaz. vol. 198; p. 159.
- Glaser, Charles. (See Glaser, Fritz, assignor.)
- Glaser, Bernhard, Chicago, Ill. Leaf-supporting mechanism. No. 1,116,054; Nov. 3; Gaz. vol. 208; p. 201.
- Glaser, Emil G., North Dover, Ohio. Automobile-wheel. No. 1,084,144; Jan. 13; Gaz. vol. 198; p. 324.
- Glaser, Fritz, Wiesbaden, Germany, assignor to C. Glaser, Baltimore, Md. Obtaining the radio-active matter in thorium-containing solutions. No. 1,084,734; Jan. 20; Gaz. vol. 198; p. 550.
- Glasgow, Arthur G. (See Stelfox, James C., assignor.)
- Glasgow, Arthur G., Richmond, Va., assignor to The United Gas Improvement Company, Philadelphia, Pa. Apparatus for the manufacture of water-gas. No. 1,115,065; Oct. 27; Gaz. vol. 207; p. 1066.
- Glasgow, Frank A., St. Louis, Mo. Collar-fastening device. No. 1,086,451; Feb. 10; Gaz. vol. 199; p. 350.
- Glashagel, Charles H., La Grange, Ill. Display-rack. No. 1,114,465; Oct. 20; Gaz. vol. 207; p. 804.
- Glass, Charles A., Greensburg, Kans. Coherer. No. 1,118,410; Nov. 24; Gaz. vol. 208; p. 1147.
- Glass, Earl M., Port Huron, Mich. Guard-rail socket. No. 1,120,048; Dec. 8; Gaz. vol. 209; p. 431.
- Glass Enameled Package Company, The. (See Huette-man, Cramer, Schaum, and Wiedeman, assignors.)
- Glass, Julius O., East St. Louis, Ill. Oil-cup. No. 1,121,918; Dec. 22; Gaz. vol. 209; p. 1171.
- Glass, Perley R., Brookline, assignor to P. R. Glass Company, Boston, Mass. Edge-finishing. No. 1,102,494; July 7; Gaz. vol. 204; p. 95.
- Glass, Perley R., Brookline, assignor to P. R. Glass Company, Boston, Mass. Edge-finishing machine. No. 1,102,495; July 7; Gaz. vol. 204; p. 95.
- Glass, William Q., Long Beach, Cal. Lawn-edging tool. No. 1,113,984; Oct. 20; Gaz. vol. 207; p. 630.
- Glass, William Q., Long Beach, Cal. Garden-hose support. No. 1,118,197; Nov. 24; Gaz. vol. 208; p. 1071.
- Glass, William Q., Long Beach, Cal. Mop. No. 1,121,008; Dec. 15; Gaz. vol. 209; p. 817.
- Glassbrook, Clarence I., Salt Lake City, Utah. Ore-concentrator. No. 1,083,531; Jan. 6; Gaz. vol. 198; p. 91.
- Glassbrook, Clarence I., Salt Lake City, Utah. Head mechanism for shaking-tables. No. 1,120,304; Dec. 8; Gaz. vol. 209; p. 521.
- Glasschleiferei Wattens A. Kosmann D. Swarovski & Co. (See Swarovski and Weis, assignors.)
- Glassco, Robert C., Anderson, assignor of one-third to A. C. Rice, Madison county, Ind., one-twelfth to A. H. Brumbaugh, one-twelfth to J. W. Harris, one-twelfth to J. E. Davis, one-twelfth to C. S. Miller, one-twelfth to W. B. Willits, and one-twelfth to M. J. Fogarty. Glass-bottle mold. No. 1,098,248; May 26; Gaz. vol. 202; p. 1182.
- Glasscock, Oscar T., and W. F. Phillips, Shamrock, Tex. Valve-lifter. No. 1,115,424; Oct. 27; Gaz. vol. 207; p. 1190.
- Glasser, Max L. (See Wood, Ogda C., assignor.)
- Glassford, George W., Jr., Cleveland, Ohio. Dust-collector. No. 1,109,059; Sept. 1; Gaz. vol. 206; p. 72.
- Glassman, Rubin, Baltimore, Md. Measure for garment-cutters. No. 1,113,612; Oct. 13; Gaz. vol. 207; p. 461.
- Glauber, Joseph H. (See Schuller and Glauber.)
- Glauber, Joseph H., Cleveland, Ohio. Faucet. No. 1,087,654; Feb. 17; Gaz. vol. 199; p. 821.
- Glauber, Joseph H., Cleveland, Ohio. Coupling or lock-nut. No. 1,092,256; Apr. 7; Gaz. vol. 201; p. 45.
- Glauber, Joseph H., Cleveland, Ohio. Coupling-pipe for bath-tubs, basins, and like vessels. No. 1,107,289; Aug. 18; Gaz. vol. 205; p. 686.
- Glauber, Joseph H., Cleveland, Ohio. Basin, bath-cock, and other plumbing connection. No. 1,109,920; Sept. 8; Gaz. vol. 206; p. 418.
- Glaves, Wilson J. M., Bright, Ontario, Canada. Stove-lid. No. 1,087,487; Feb. 17; Gaz. vol. 199; p. 760.
- Glazier, Alton E., Oakland, Cal. Amusement apparatus. No. 1,095,965; May 5; Gaz. vol. 202; p. 263.
- Glazier, Charles H., Hubbardston, Mass. Jug. No. 1,104,490; July 21; Gaz. vol. 204; p. 875.
- Gleason, Albert H., Kenosha, Wis. Friction-clutch. No. 1,117,182; Nov. 17; Gaz. vol. 208; p. 675.
- Gleason, Edward D., Brooklyn, assignor, by mesne assignments, to Neu-Metals and Process Company, Long Island City, N. Y. Alloy. No. 1,093,557; Apr. 14; Gaz. vol. 201; p. 520.
- Gleason, George, Auburn, N. Y. Cattle-stanchion. No. 1,086,157; Feb. 3; Gaz. vol. 199; p. 206.
- Gleason, Thomas F., assignor of one-third to A. Davis, Muscatine, Iowa. Life-saving apparatus. No. 1,093,987; Apr. 21; Gaz. vol. 201; p. 709.
- Gleason, William L., and E. F. Roberts, assignors to Packard Motor Car Company, Detroit, Mich. Packing-ring implement. No. 1,099,355; June 9; Gaz. vol. 203; p. 383.
- Gleckler, Christoph, Staunton, Ill. Safety pocket-clasp. No. 1,104,984; July 28; Gaz. vol. 204; p. 1094.
- Gleckler, Christoph, Earlham, Iowa. Self-setting trap. No. 1,115,809; Nov. 3; Gaz. vol. 208; p. 115.
- Gledhill, Edward C., assignor to The Galion Iron Works and Manufacturing Company, Galion, Ohio. Unloading device. No. 1,105,131; July 28; Gaz. vol. 204; p. 1144.
- Gleeson, John J., New York, N. Y. Flushing apparatus. No. 1,084,267; Jan. 13; Gaz. vol. 198; p. 365.
- Gleeson, Michael M., New York, N. Y. Fish-guard. No. 1,101,870; June 23; Gaz. vol. 203; p. 992.
- Gleeson, Walter M., Fond du Lac, Wis. Rail-joint. No. 1,088,562; Feb. 24; Gaz. vol. 199; p. 1173.
- Gleich, Franklin, Alliance, Ohio. Blowpipe. No. 1,102,984; July 7; Gaz. vol. 204; p. 263.
- Glen, Clyde M., Denver, Colo. Carbon-paper. No. 1,085,331; Jan. 27; Gaz. vol. 198; p. 790.
- Glen Rock Stamping Company, The. (See Kenly, Wilmer F., assignor.)
- Glenn, Allan, London, England. Propulsion of vessels on and immersed in water. No. 1,093,693; Apr. 21; Gaz. vol. 201; p. 612.
- Glenn, Allen, Enid, Okla., assignor to C. J. and C. C. Quinn, Boone, Iowa. Conduit-tile-molding machine. No. 1,095,104; Apr. 28; Gaz. vol. 201; p. 1151.

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- Glenn, Guy J., Imbler, Oreg. Grain-shocker. No. 1,114,133; Oct. 20; Gaz. vol. 207; p. 683.
- Glenn, James R. and J. E., Santo, Tex. Folding hay-rake. No. 1,118,901; Nov. 24; Gaz. vol. 208; p. 1315.
- Glenn, Jesse E. (See Glenn, James R. and J. E.)
- Glenn, John C., assignor to Skinner Engine Company, Erie, Pa. Engine-valve. No. 1,097,543; May 19; Gaz. vol. 202; p. 891.
- Glenn, Robert, Madison, Wis. Mail receiving and delivering device. No. 1,083,825; Jan. 6; Gaz. vol. 198; p. 185.
- Glenn Voting Machine Company, The. (See McClintock, Frank, assignor.)
- Gleue, William F. (See Roenius and Gleue.)
- Glick, Francis J. (See Doerner, Wyand F., assignor.)
- Glidden, Charles C. (See Dovel and Glidden.)
- Glidden, John E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heeling-machine. No. 1,117,998; Nov. 24; Gaz. vol. 208; p. 1003.
- Glidden, John E., deceased; S. E. Glidden, Beverly, Mass., administratrix, assignor to United Shoe Machinery Company, Paterson, N. J. Heel-die. No. 1,086,158; Feb. 3; Gaz. vol. 199; p. 206.
- Glidden, Otis E., and A. S. Nico, assignors to The Genesee Pure Food Company, Le Roy, N. Y. Sealed receptacle. No. 1,101,430; June 23; Gaz. vol. 203; p. 1185.
- Glidden, Sadie E., administratrix. (See Glidden, John E.)
- Glidden, Samuel H., assignor of one-half to M. H. Ingersoll, Seattle, Wash. Hook and eye. No. 1,093,260; Apr. 14; Gaz. vol. 201; p. 425.
- Glidden, Wallace D. (See Hurff, George M., assignor.)
- Glines, Frederick S. (See Muther and Glines.)
- Glines, Frederick S., Swampscott, assignor to L. Muther, Newton, Mass. Eyelet-setting device. No. 1,110,258; Sept. 8; Gaz. vol. 206; p. 538.
- Glines, George A., *et al.* (See Lockhart, Robert R., assignor.)
- Glines, William S., Cleveland, Ohio. Coin-operated vending-machine. No. 1,108,164; Aug. 25; Gaz. vol. 205; p. 1042.
- Glinke, August F., Merrill, Mich. Beet-harvesting machine. No. 1,100,969; June 23; Gaz. vol. 203; p. 1028.
- Glinski, Barney J. (See Wajda, Floryan, assignor.)
- Globe Anti-Friction Roller Bearing Company. (See Newmann, John, assignor.) (Reissue.)
- Globe Automatic Sprinkler Company, The. (See Hawkins, William W., assignor.)
- Globe Ball Bearing Co. (See Sultemeyer, Charles F., assignor.)
- Globe Manufacturing Company. (See Modlin, Hanford C., assignor.)
- Globe Register Company, The. (See Konerman, Harry, assignor.)
- Globensky, Ernest C., Coldwater, Mich. Nursery-chair. No. 1,111,305; Sept. 22; Gaz. vol. 206; p. 983.
- Gloess, Marie P. P., L. P. J. and E. R. Darrasse, Paris, France. Treatment of seaweeds for the extraction of their elements. No. 1,103,283; July 14; Gaz. vol. 204; p. 417.
- Glore, Frank H. (See Rininger, Charles M., assignor.)
- Glottelty, Arthur E., Connellsville, Pa. Dust-pan. No. 1,118,759; Nov. 24; Gaz. vol. 208; p. 1267.
- Glottelty, William M., Ohiopyle, Pa. Tie-plate. No. 1,089,207; Mar. 3; Gaz. vol. 200; p. 184.
- Glottelty, William M., Ohiopyle, Pa. Article-holder. No. 1,099,698; June 9; Gaz. vol. 203; p. 500.
- Glottelty, William M., Ohiopyle, Pa. Rail-joint. No. 1,114,688; Oct. 20; Gaz. vol. 207; p. 878.
- Glover, Charles G., assignor to himself and to O. D. Bond, Thetford, Vt. Envelop. No. 1,103,758; July 14; Gaz. vol. 204; p. 582.
- Glover, George A., Beverly, Mass. Oven-door. No. 1,122,382; Dec. 29; Gaz. vol. 209; p. 1368.
- Glover, Henry M., Goldthwaite, Tex. Harrow. No. 1,100,237; June 16; Gaz. vol. 203; p. 721.
- Glover, Lewis C., Knoxville, Pa. Attachment for rakes. No. 1,112,787; Oct. 6; Gaz. vol. 207; p. 132.
- Glover, Lycurgus S., Detroit, Mich. Color photography. No. 1,088,412; Feb. 24; Gaz. vol. 199; p. 1125.
- Glover, William E., Maryville, Mo. Puttying device. No. 1,085,566; Jan. 27; Gaz. vol. 198; p. 867.
- Glover, William E., Lenoir City, Tenn. Car-axle box. No. 1,102,042; June 30; Gaz. vol. 203; p. 1452.
- Glowacki, John B., Chicago, Ill. Positioning device for windows. No. 1,085,332; Jan. 27; Gaz. vol. 198; p. 790.
- Glowacki, John B., Chicago, Ill. Weather and dust proofing device. No. 1,108,936; Sept. 1; Gaz. vol. 206; p. 45.
- Gluckman, Charles, New York, N. Y. Bag-handle. No. 1,101,273; June 23; Gaz. vol. 203; p. 1132.
- Glunt, Omer M., Rutherford, N. J., assignor to Western Electric Company, New York, N. Y. Connecting-plug. No. 1,097,220; May 19; Gaz. vol. 202; p. 780.
- Glunt, Omer M., Rutherford, and E. C. G. Mueller, Elizabeth, N. J., assignors to Western Electric Company, New York, N. Y. Telephone apparatus. No. 1,120,049; Dec. 8; Gaz. vol. 209; p. 432.
- Glynn, Frank, Perth Amboy, N. J. Gravity-railway. No. 1,085,902; Feb. 3; Gaz. vol. 199; p. 114.
- Glynn, James F., *et al.* (See Deatherage, Isaac, assignor.)
- Glynn, Stephen A., and B. L. Quayle, East Ely, Nev. Liquid-controlled alarm apparatus. No. 1,104,419; July 21; Gaz. vol. 204; p. 849.
- Gnatzig, Paul, Madison, Wis. Wheelbarrow. No. 1,103,759; July 14; Gaz. vol. 204; p. 582.
- Gnoth, Hermann, Chicago, Ill. Ash-pan for stoves. No. 1,095,276; May 5; Gaz. vol. 202; p. 35.
- Gnüchtel, Guido, Lauter, Germany. Electric welding. No. 1,094,141; Apr. 21; Gaz. vol. 201; p. 760.
- Goad, Frederick L. (See Hibberd, Charles E., assignor.)
- Goar, Elmer E., Stephen, Minn. Harness-hanger. No. 1,113,001; Oct. 6; Gaz. vol. 207; p. 205.
- Gobbe, Olivier, Jumet, Belgium. Heat-regenerator for heating air or gases. No. 1,086,322; Feb. 3; Gaz. vol. 199; p. 257.
- Goble, John S., assignor of one-third to C. L. Coombs, Denver, Colo. Self loading and unloading barrel-truck. No. 1,088,980; Mar. 3; Gaz. vol. 200; p. 106.
- Goble, Milton M., Grand Rapids, Mich. Nut-lock. No. 1,115,923; Nov. 3; Gaz. vol. 208; p. 155.
- Goble, Milton M., Grand Rapids, Mich. Nut-lock. No. 1,115,924; Nov. 3; Gaz. vol. 208; p. 156.
- Gobso, Victor. (See Hoffman, Frederick, assignor.)
- Goby, Clifford S., assignor to The Engine Holdings Company, Cleveland, Ohio. Internal-combustion engine. No. 1,100,656; June 16; Gaz. vol. 203; p. 863.
- Goby Engine Company, The. (See Fay, Thomas J., assignor.)
- Gochenauer, David. (See Rusk and Gochenauer.)
- Gochenour, Benjamin C., Spokane, Wash. Weed-cutter and lever for railways. No. 1,122,732; Dec. 29; Gaz. vol. 209; p. 1490.
- Goddard, Alvin C., New York, N. Y. Fireproof door. No. 1,100,555; June 16; Gaz. vol. 203; p. 830.
- Goddard, Edward F., Stratford, Conn., assignor to Electric Compositor Company, New York, N. Y. Side-knife wiper. No. 1,108,357; Aug. 25; Gaz. vol. 205; p. 1109.
- Goddard, Edward F., Stratford, Conn., assignor to Electric Compositor Company, New York, N. Y. Mold-wiper. No. 1,108,358; Aug. 25; Gaz. vol. 205; p. 1109.
- Goddard, Fred L., assignor to Currier & Roby, New York, N. Y. Salad-dressing mixer. No. 1,111,374; Sept. 22; Gaz. vol. 206; p. 1011.
- Goddard, Joseph, assignor to Seneca Camera Manufacturing Company, Rochester, N. Y. Photographic shutter. No. 1,090,046; Mar. 10; Gaz. vol. 200; p. 518.
- Goddard, Lester J., Ravenna, Ohio. Displaying apparatus. No. 1,102,735; July 7; Gaz. vol. 204; p. 179.
- Goddard, Robert H., Worcester, Mass. Rocket apparatus. No. 1,102,653; July 7; Gaz. vol. 204; p. 152.
- Goddard, Robert H., Worcester, Mass. Rocket apparatus. No. 1,103,503; July 14; Gaz. vol. 204; p. 489.
- Goddard, Roy W., Jonesboro, Ark. Leaf-turner. No. 1,116,412; Nov. 10; Gaz. vol. 208; p. 362.
- Goddard, William B., New York, N. Y. Metal-bilge-barrel-forming machine. No. 1,086,593; Feb. 10; Gaz. vol. 199; p. 400.
- Goddin, Edgar A., London, England. Shelf-support. No. 1,115,465; Oct. 27; Gaz. vol. 207; p. 1203.
- Goddin, Hugh T. (See Wardlow, Hazen, assignor.)
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Work-support. No. 1,117,183; Nov. 17; Gaz. vol. 208; p. 676.
- Goddu, Louis, Winchester, Mass., assignor, by mesne assignments, to Goddu Sewing Machine Company. Sewing-machine. No. 1,106,800; Aug. 11; Gaz. vol. 205; p. 467.
- Goddu Sewing Machine Company. (See Goddu, Louis, assignor.)
- Godeau, Pierre L. M. (See Boyer and Godeau.)
- Godfree, Ernest G., Sandringham, near Melbourne, Victoria, Australia. Automatic toll-recorder for telephone systems. No. 1,111,742; Sept. 29; Gaz. vol. 206; p. 1173.
- Godfrey, Alexander, Bradford, Mass. Last. No. 1,094,988; Apr. 28; Gaz. vol. 201; p. 1114.
- Godfrey, John G. (See Whitcomb and Godfrey.)
- Godin, Eusebe, assignor to T. J. Wilber, Harrisville, N. Y. Spring-block set for saws. No. 1,088,895; Mar. 3; Gaz. vol. 200; p. 76.
- Godley, Charles E., assignor to Edmunds and Jones Manufacturing Company, Detroit, Mich. Lamp. No. 1,088,144; Feb. 24; Gaz. vol. 199; p. 1035.
- Godley, Charles E., assignor to Edmunds & Jones Mfg. Company, Detroit, Mich. Lamp-socket. No. 1,088,776; Mar. 3; Gaz. vol. 200; p. 35.
- Godley, Charles E., assignor to Edmunds and Jones Manufacturing Company, Detroit, Mich. Lamp. No. 1,093,122; Apr. 14; Gaz. vol. 201; p. 378.
- Godley, Charles E., assignor to Edmunds and Jones Manufacturing Company, Detroit, Mich. Lamp. No. 1,097,621; May 26; Gaz. vol. 202; p. 961.
- Godley, Charles E., assignor to Edmunds and Jones Manufacturing Company, Detroit, Mich. Lamp. No. 1,101,021; June 23; Gaz. vol. 203; p. 1046.
- Godley, Charles E., assignor to Edmunds and Jones Manufacturing Company, Detroit, Mich. Connector. No. 1,108,165; Aug. 25; Gaz. vol. 205; p. 1042.

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- Godley, Charles E., assignor to Edmunds and Jones Manufacturing Company, Detroit, Mich. Dimmer for electric-lamp bulbs. No. 1,120,927; Dec. 15; Gaz. vol. 209; p. 790.
- Godtfredsen, Mads P., Chicago, Ill. Poker accessory. No. 1,097,799; May 26; Gaz. vol. 202; p. 1027.
- Godward, Ernest R., Dunedin, New Zealand. Combination-hoe. No. 1,091,058; Mar. 24; Gaz. vol. 200; p. 940.
- Godwin, Kirjath A., Salem, N. J. Tool for finishing heads of bottles. No. 1,092,569; Apr. 7; Gaz. vol. 201; p. 153.
- Goebel, Leo A., Philadelphia, Pa. Combined cigarette humidifier and delivering device. No. 1,094,324; Apr. 21; Gaz. vol. 201; p. 819.
- Goeden, Peter, Chicago, Ill. Incinerator. No. 1,103,956; July 21; Gaz. vol. 204; p. 691.
- Goehler, Max, Vancouver, British Columbia, Canada. Milking device. No. 1,093,845; Apr. 21; Gaz. vol. 201; p. 662.
- Goehring, Henry, Philadelphia, Pa. Measuring-faucet. No. 1,122,270; Dec. 29; Gaz. vol. 209; p. 1332.
- Goehring, Martin, Yolyn, W. Va. Wrench. No. 1,088,413; Feb. 24; Gaz. vol. 199; p. 1125.
- Goeken, Charles A. (See Schields, Fritz W., assignor.)
- Goelz, George F., West New York, N. J. Clothes-line supporting and manipulating apparatus. No. 1,122,906; Dec. 29; Gaz. vol. 209; p. 1552.
- Goelz, William, Albany, N. Y. Ventilator for locomotives. No. 1,097,858; May 26; Gaz. vol. 202; p. 1046.
- Goepper, Emil, Mülheim-on-the-Rhine, assignor to Deutsche Gasglühlicht Aktiengesellschaft (Auergesellschaft), Berlin, Germany. Controlling device for gas-lamps. No. 1,100,727; June 23; Gaz. vol. 203; p. 942.
- Goersch, Friedrich W. J., Cleveland, Ohio. Air-drying attachment for carbureters. No. 1,086,763; Feb. 10; Gaz. vol. 199; p. 459.
- Goethner, Bruno F., H. Rooney, and R. E. Seifert; said Goethner and said Rooney assignors to F. W. Bock, Hartford, Conn. Coupling for pipes, conduits, &c. No. 1,119,752; Dec. 1; Gaz. vol. 209; p. 291.
- Goetz, Adam D., Charles Town, W. Va. Cane. No. 1,085,333; Jan. 27; Gaz. vol. 198; p. 790.
- Goetz, Anton, Berwick, N. D. Scraper for disk drills. No. 1,113,776; Oct. 13; Gaz. vol. 207; p. 519.
- Goetz, Armond E., New York, N. Y. Insulating-block. No. 1,105,267; July 28; Gaz. vol. 204; p. 1193.
- Goetz, Henry. (See Rolland, Frederick W., assignor.)
- Goetz, Henry, Chicago, Ill. Slot and slug for vending devices. No. 1,111,793; Sept. 29; Gaz. vol. 206; p. 1194.
- Goetz, Henry, Chicago, Ill. Slot and slug for check-controlled apparatus. No. 1,115,661; Nov. 3; Gaz. vol. 208; p. 67.
- Goetz, Henry F., assignor to Waterbury Mfg. Co., Waterbury, Conn. Bath and basin waste. No. 1,111,375; Sept. 22; Gaz. vol. 206; p. 1011.
- Goetz, John, West Allis, assignor to The Kempsmith Manufacturing Co., Milwaukee, Wis. Cutter-coupling for milling-machines. No. 1,104,044; July 21; Gaz. vol. 204; p. 721.
- Goetz, John, West Allis, W. K. Buxbaum and F. A. Parsons, Milwaukee, Wis. Lubricating system for milling-machine saddles. No. 1,087,364; Feb. 17; Gaz. vol. 199; p. 716.
- Goetz, John, West Allis, W. K. Buxbaum and F. A. Parsons, Milwaukee, Wis. Lubricating system for milling-machine knees. No. 1,087,365; Feb. 17; Gaz. vol. 199; p. 717.
- Goetz, John, West Allis, W. K. Buxbaum, and F. A. Parsons, assignors to The Kempsmith Manufacturing Co., Milwaukee, Wis. Lubricator for table-bearings of milling-machines. No. 1,097,221; May 19; Gaz. vol. 202; p. 781.
- Goetz, John, West Allis, W. K. Buxbaum, and F. A. Parsons, assignors to The Kempsmith Manufacturing Co., Milwaukee, Wis. Lubricating system for milling-machines. No. 1,120,807; Dec. 15; Gaz. vol. 209; p. 747.
- Goetze, William A., and W. A. Day, Weaverville, Cal. Tire-valve. No. 1,093,397; Apr. 14; Gaz. vol. 201; p. 473.
- Goetzinger, Charles P., assignor of one-third to G. A. Erixon and one-third to J. E. Paymal, Guthrie, Okla. Rail-joint. No. 1,104,656; July 21; Gaz. vol. 204; p. 932.
- Goff, Abbot P., St. Joseph, Mo. Automatic reacting siphon air-pump and stopper. No. 1,106,937; Aug. 11; Gaz. vol. 205; p. 517.
- Goff, Anna O. (See Douglas, John A., assignor.)
- Goff, Leonard C. (See West and Goff.)
- Goff, Samuel B., Camden, N. J. Cooking apparatus. No. 1,097,126; May 19; Gaz. vol. 202; p. 747.
- Goff, Samuel B., Camden, N. J. Cooking apparatus. No. 1,109,828; Sept. 8; Gaz. vol. 206; p. 383.
- Goff, Samuel B., Camden, N. J. Apparatus for making briquets. No. 1,114,980; Oct. 27; Gaz. vol. 207; p. 1036.
- Goff, William D., Joplin, Mo. Animal poke and weaner. No. 1,105,767; Aug. 4; Gaz. vol. 205; p. 64.
- Goffin, Jules, and V. de Longueville, Molenbeek, St. Jean, Belgium. Mold for shaping glass plates. No. 1,111,958; Sept. 29; Gaz. vol. 206; p. 1250.
- Gogarty, Michael J., Brooklyn, N. Y. Loading and unloading device. No. 1,085,032; Jan. 20; Gaz. vol. 198; p. 650.
- Goggin, James P. (See Hartman and Goggin.)
- Goggin, John E., Salem, Mass. Baby-carriage. No. 1,113,328; Oct. 13; Gaz. vol. 207; p. 362.
- Goggin, John E., Salem, Mass. Bookcase. No. 1,120,050; Dec. 8; Gaz. vol. 209; p. 432.
- Goggin, Pauline H., Salem, Mass. Internal-combustion engine. No. 1,094,554; Apr. 28; Gaz. vol. 201; p. 959.
- Gohlke, Max, Berlin, Germany. Journal-bearing. No. 1,096,805; May 12; Gaz. vol. 202; p. 591.
- Gohlke, Max, Berlin, Germany. Ball-bearing. No. 1,108,899; Sept. 1; Gaz. vol. 206; p. 13.
- Gohlke, Max, Berlin, Germany. Cage for ball-bearings. No. 1,122,586; Dec. 29; Gaz. vol. 209; p. 1438.
- Gohlke, Max, Pankow, near Berlin, Germany. Ball-bearing. No. 1,105,268; July 28; Gaz. vol. 204; p. 1193.
- Gohmann, Arthur, assignor to Stettiner Chamotte-Fabrik Actien-Gesellschaft vorm. Didier, Stettin, Germany. Device for emptying upright coking-chambers. No. 1,095,725; May 5; Gaz. vol. 202; p. 188.
- Gohmann, John B., New Albany, Ind. Stove. No. 1,091,833; Mar. 31; Gaz. vol. 200; p. 1248.
- Goich, John, Kansas City, Kans. Railway-spike. No. 1,104,884; July 28; Gaz. vol. 204; p. 1060.
- Goines, E. J. (See Stapleton, Birt B., assignor.)
- Gold Car Heating & Lighting Company. (See Gold, Edward E., assignor.)
- Gold Car Heating & Lighting Company. (See Kitchen, Frederick T., assignor.)
- Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Heating system. No. 1,087,164; Feb. 17; Gaz. vol. 199; p. 646.
- Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Automatic controlling device for heating apparatus. No. 1,087,231; Feb. 17; Gaz. vol. 199; p. 671.
- Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Steam-heating system. No. 1,106,801; Aug. 11; Gaz. vol. 205; p. 468.
- Gold, Egbert H., Chicago, Ill. Vapor heating system for railway-cars. No. 1,084,797; Jan. 20; Gaz. vol. 198; p. 572.
- Gold, Egbert H., Chicago, Ill. Multiple-circuit steam-heating system. No. 1,092,570; Apr. 7; Gaz. vol. 201; p. 153.
- Gold, Egbert H., Chicago, Ill. Ventilator for railway-cars. No. 1,105,645; Aug. 4; Gaz. vol. 205; p. 21.
- Gold, Egbert H., Chicago, Ill. Low-pressure steam-heating system. No. 1,109,675; Sept. 8; Gaz. vol. 206; p. 330.
- Gold, Egbert H., Chicago, Ill. Hose-coupling. No. 1,118,123; Nov. 24; Gaz. vol. 208; p. 1047.
- Gold, Frank, Richmond, Victoria, Australia. Machine for manufacturing spring-headed nails. No. 1,093,398; Apr. 14; Gaz. vol. 201; p. 473.
- Gold, Maurice. (See Plomgren and Gold.)
- Gold Medal Camp Furniture Manufacturing Co. (See Hansen, Charles L., assignor.)
- Goldberg, Abraham, New York, N. Y. Garment. No. 1,104,657; July 21; Gaz. vol. 204; p. 933.
- Goldberg Calculating Machine Company. (See Goldberg, Hyman E., assignor.)
- Goldberg, David. (See Goldberg, Hyman E. and D.)
- Goldberg, Heinrich, Crefeld, and F. Ludwigs, Crefeld-Bockum, assignors to Mech. Bandfabrik Goldberg & Co., Crefeld, Germany. Equalizing device for silk fabrics. No. 1,106,704; Aug. 11; Gaz. vol. 205; p. 434.
- Goldberg, Hyman E., Chicago, Ill. Rotary engine. No. 1,086,159; Feb. 3; Gaz. vol. 199; p. 206.
- Goldberg, Hyman E., Chicago, Ill. Photoprinting apparatus. No. 1,113,550; Oct. 13; Gaz. vol. 207; p. 441.
- Goldberg, Hyman E., assignor to Goldberg Calculating Machine Company, Chicago, Ill. Calculating-machine. No. 1,085,809; Feb. 3; Gaz. vol. 199; p. 83.
- Goldberg, Hyman E., assignor to Goldberg Calculating Machine Company, Chicago, Ill. Calculating-machine. No. 1,099,497; June 9; Gaz. vol. 203; p. 430.
- Goldberg, Hyman E., assignor to Goldberg Calculating Machine Company, Chicago, Ill. Calculating-machine. No. 1,112,063; Sept. 29; Gaz. vol. 206; p. 1285.
- Goldberg, Hyman E., assignor to Goldberg Calculating Machine Company, Chicago, Ill. Tabulating-machine. No. 1,119,010; Dec. 1; Gaz. vol. 209; p. 38.
- Goldberg, Hyman E., assignor of one-half to R. P. Lamont, Chicago, Ill. Controller. No. 1,117,184; Nov. 17; Gaz. vol. 208; p. 676.
- Goldberg, Hyman E. and D., assignors to Selex Specialties Company, Chicago, Ill. Garment-bag. No. 1,097,544; May 19; Gaz. vol. 202; p. 891.
- Goldberg, Isaac, assignor to himself and L. E. Friedman, New York, N. Y. Slipper. No. 1,120,808; Dec. 15; Gaz. vol. 209; p. 746.
- Goldberg, J. Louis. (See Shuminski, Piotr, assignor.)
- Goldberg, John S., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carbureter. No. 1,086,594; Feb. 10; Gaz. vol. 199; p. 400.
- Goldberg, John S., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carbureter. No. 1,106,802; Aug. 11; Gaz. vol. 205; p. 468.

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- Goldberg, John S., and H. C. Tillotson, assignors to Stromberg Motor Devices Company, Chicago, Ill. Carbureter. No. 1,099,293; June 9; Gaz. vol. 203; p. 359.
- Goldberg, Louis B. and N., Denver, Colo. Knockdown stove. No. 1,106,555; Aug. 11; Gaz. vol. 205; p. 382.
- Goldberg, Max W., Brillion, Wis. Ladle-holder. No. 1,110,049; Sept. 8; Gaz. vol. 206; p. 463.
- Goldberg, Nathan. (See Goldberg, Louis B. and N.)
- Goldberg, Samuel A., New York, N. Y. Cover for packing-boxes. No. 1,089,833; Mar. 10; Gaz. vol. 200; p. 445.
- Goldberg, Samuel A., New York, N. Y. Cutting-off attachment for machines for making corrugated cardboard. No. 1,089,834; Mar. 10; Gaz. vol. 200; p. 445.
- Goldberg, Shepard J. (See Mendelson and Goldberg.)
- Goldberg, Shepard J., and A. Mendelson, New York, N. Y. Cigarette-box. No. 1,101,431; June 23; Gaz. vol. 203; p. 1186.
- Goldberg, Solomon H., Chicago, Ill. Waterproof-roofing product and making the same. No. 1,113,116; Oct. 6; Gaz. vol. 207; p. 242.
- Goldberger, Henry, Chicago, Ill. Spool holder and locking device. No. 1,100,477; June 16; Gaz. vol. 203; p. 805.
- Goldberger, Maximilien, Paris, France. Explosive-engine. No. 1,101,737; June 30; Gaz. vol. 203; p. 1341.
- Golde Patent Manufacturing Company, G. m. b. H. (See Golde, Traugott, assignor.)
- Golde, Traugott, assignor to Golde Patent Manufacturing Company, G. m. b. H., Gera, Germany. Hinged vehicle-hood. No. 1,092,352; Apr. 7; Gaz. vol. 201; p. 79.
- Golden, Arthur F., Sylvester, Ga. Railway-rail joint. No. 1,108,571; Aug. 25; Gaz. vol. 205; p. 1184.
- Golden, Belknap and Swartz Company. (See Belknap, Ellsworth H., assignor.)
- Golden, Charles E. (See Anderson, Edward V., assignor.)
- Golden, Daniel J., Randolph, Mass. Sporting-shoe. No. 1,094,434; Apr. 28; Gaz. vol. 201; p. 917.
- Golden, James A., Stockton, Cal. Towel heater and sterilizer. No. 1,122,271; Dec. 29; Gaz. vol. 209; p. 1333.
- Golden, Joseph A., New York, N. Y. Moving-picture camera. No. 1,102,261; July 7; Gaz. vol. 204; p. 14.
- Golden, Robert, Meehan Junction, Miss. Transmission-gearing. No. 1,110,437; Sept. 15; Gaz. vol. 206; p. 642.
- Golden, Timothy J., Jacksonville, Fla. Title plate or label. No. 1,122,102; Dec. 22; Gaz. vol. 209; p. 1235.
- Golden, Walter L., assignor to A. G. Spalding & Bros., New York, N. Y. Protective pad for athletes. No. 1,088,273; Feb. 24; Gaz. vol. 199; p. 1080.
- Golden West Motors Company. (See Robinson, Edward S., assignor.)
- Goldenburg, Ida, *et al.* (See Folkman, Henry, assignor.)
- Goldenburg, Nathan, *et al.* (See Folkman, Henry, assignor.)
- Goldensky, Elias, and P. H. Bartlett, Philadelphia, Pa. Photographic apparatus. No. 1,088,695; Mar. 3; Gaz. vol. 200; p. 9.
- Goldensky, Elias, and P. H. Bartlett, Philadelphia, Pa. Photographic apparatus. No. 1,120,710; Dec. 15; Gaz. vol. 209; p. 713.
- Goldfarb, Nathan. (See Garfield and Goldfarb.)
- Goldfarb, Nathan J., New York, assignor of one-half to P. Rabinowitz, Brooklyn, N. Y. Photographic-printing apparatus. No. 1,108,744; Aug. 25; Gaz. vol. 205; p. 1243.
- Goldfinger, Leopold, Chicago, Ill. Garment. No. 1,098,034; May 26; Gaz. vol. 202; p. 1110.
- Goldhammer, William N., St. Louis, Mo. Cooking stove and range. No. 1,103,140; July 14; Gaz. vol. 204; p. 367.
- Goldin, Horace, Marylebone, London, England. Theatrical illusion apparatus. No. 1,116,882; Nov. 10; Gaz. vol. 208; p. 533.
- Golding, John F., Washington, D. C. Making metal fabric. No. 1,090,843; Mar. 24; Gaz. vol. 200; p. 865.
- Golding, John F., Washington, D. C. Concrete floor and ceiling. No. 1,095,204; May 5; Gaz. vol. 202; p. 10.
- Golding, John F., Washington, D. C. Reinforcement for concrete. No. 1,120,928; Dec. 15; Gaz. vol. 209; p. 790.
- Golding, William H., Franklin, Mass. Inking mechanism. No. 1,108,433; Aug. 25; Gaz. vol. 205; p. 1135.
- Goldini, Stephen, New York, N. Y. Amusement device. No. 1,100,180; June 16; Gaz. vol. 203; p. 702.
- Goldman, Israel. (See Hoffman, George J., assignor.)
- Goldman, Jacob, Baltimore, Md. Overcoat. No. 1,100,871; June 23; Gaz. vol. 203; p. 992.
- Goldman, Otto B., Portland, Oreg. Hydraulic balance. No. 1,095,394; May 5; Gaz. vol. 202; p. 75.
- Goldman, Samuel S., St. Louis, Mo. Cracker can, box, and the like and display or show front therefor. No. 1,088,145; Feb. 24; Gaz. vol. 199; p. 1036.
- Goldmann, Paul E., and A. F. Daum, assignors to A. F. Daum Company, Pittsburgh, Pa. Fuse. No. 1,102,985; July 7; Gaz. vol. 204; p. 263.
- Goldmann, Philipp, New York, N. Y. Cap. No. 1,113,777; Oct. 13; Gaz. vol. 207; p. 519.
- Goldmerstein, Leon, New York, N. Y. Producing metal alloys. No. 1,098,346; May 26; Gaz. vol. 202; p. 1218.
- Goldrick, Harry C., San Francisco, Cal., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Signaling system. No. 1,117,832; Nov. 17; Gaz. vol. 208; p. 906.
- Goldsborough, Charles F., Monett, Mo., assignor to Peerless Vacuum Engine Company, Phoenix, Ariz. Power plant. No. 1,092,257; Apr. 7; Gaz. vol. 201; p. 45.
- Goldsborough, John B., Croton, N. Y. Underpinning buildings and other structures. No. 1,085,600; Feb. 3; Gaz. vol. 199; p. 8.
- Goldsborough, John B., Croton, N. Y. Interlocking metal sheeting. No. 1,090,911; Mar. 24; Gaz. vol. 200; p. 888.
- Goldsborough, John B., Croton, N. Y. Underpinning buildings. No. 1,093,261; Apr. 14; Gaz. vol. 201; p. 426.
- Goldsborough, John B., Croton, N. Y. Underpinning buildings. No. 1,093,262; Apr. 14; Gaz. vol. 201; p. 426.
- Goldsborough, John B., Croton, N. Y. Underpinning buildings. No. 1,101,738; June 30; Gaz. vol. 203; p. 1342.
- Goldschmidt Detinning Company. (See Spitz, Gustav, assignor.)
- Goldschmidt Detinning Company. (See Weber, Josef, assignor.)
- Goldschmidt, Hans, Essen-on-the-Ruhr, Germany. Unit-ing rails and the like. No. 1,090,296; Mar. 17; Gaz. vol. 200; p. 647.
- Goldschmidt, Hans, Essen-on-the-Ruhr, Germany. Manufacturing stannic chlorid from materials containing oxid of tin. No. 1,105,902; Aug. 4; Gaz. vol. 205; p. 110.
- Goldschmidt, Hans, and H. Biewend, Essen-on-the-Ruhr, Germany, assignors to Goldschmidt Thermit Company, New York, N. Y. Improving the properties of ingot-iron and the like. No. 1,122,272; Dec. 29; Gaz. vol. 209; p. 1333.
- Goldschmidt, Hans, and O. Weil, Essen-on-the-Ruhr, Germany, assignors to Goldschmidt Thermit Company, New York, N. Y. Manufacturing ferrochromium. No. 1,122,907; Dec. 29; Gaz. vol. 209; p. 1553.
- Goldschmidt, Rudolf, Berlin, Germany. Machine for receiving electric waves. No. 1,087,113; Feb. 17; Gaz. vol. 199; p. 629.
- Goldschmidt, Rudolf, Berlin, Germany. Means for working microphones in parallel. No. 1,088,018; Feb. 24; Gaz. vol. 199; p. 992.
- Goldschmidt, Rudolf, Darmstadt, Germany. Apparatus for and method of receiving electric waves. No. 1,104,256; July 21; Gaz. vol. 204; p. 792.
- Goldschmidt, Rudolf, Darmstadt, Germany. High-frequency generator. No. 1,104,257; July 21; Gaz. vol. 204; p. 793.
- Goldschmidt Thermit Company. (See Goldschmidt and Biewend, assignors.)
- Goldschmidt Thermit Company. (See Goldschmidt and Weil, assignors.)
- Goldsmith, Byron B., New York, N. Y. Indurated keratin compound. No. 1,114,981; Oct. 27; Gaz. vol. 207; p. 1036.
- Goldsmith, David, Newark, N. J. Trunk construction. No. 1,104,985; July 28; Gaz. vol. 204; p. 1095.
- Goldsmith, Edwin M., Philadelphia, Pa. Braid-holder. No. 1,090,612; Mar. 17; Gaz. vol. 200; p. 758.
- Goldsmith, Nathan, Newark, N. J. Garment-hanger. No. 1,097,755; May 26; Gaz. vol. 202; p. 1010.
- Goldsmith, Stern & Co. (See Mountford, Clarence E., assignor.)
- Goldstein, Barnett H., New York, assignor of one-half to H. Cohen, Brooklyn, N. Y. Combined chair and basket. No. 1,092,039; Mar. 31; Gaz. vol. 200; p. 1315.
- Goldstein, Benjamin, New York, N. Y. Bank-messenger's hand-bag. No. 1,090,393; Mar. 17; Gaz. vol. 200; p. 681.
- Goldstein, Robert, Chicago, Ill. Skirt-measuring machine. No. 1,096,833; May 19; Gaz. vol. 202; p. 643.
- Goldstein, William, New York, N. Y. Collar-buttoner. No. 1,084,424; Jan. 13; Gaz. vol. 198; p. 415.
- Goldthorp, Robert R., Hartford, Conn. Wireless receiving apparatus. No. 1,091,127; Mar. 24; Gaz. vol. 200; p. 964.
- Golinsky, Jacob. (See Petterson, Clarence A., assignor.)
- Goll, Eugene R., assignor to Elliott-Fisher Company, Harrisburg, Pa. Ribbon mechanism. No. 1,094,649; Apr. 28; Gaz. vol. 201; p. 994.
- Golly, Louis, Brooklyn, N. Y. Ball-bearing. No. 1,121,087; Dec. 15; Gaz. vol. 209; p. 845.
- Golodetz, Abram, Berlin, assignor of one-half to B. Bendix, Hamburg, Germany. Rectifying apparatus. No. 1,086,452; Feb. 10; Gaz. vol. 199; p. 350.
- Gomber, George W., Conyngham, Pa. Vending-machine. No. 1,111,573; Sept. 22; Gaz. vol. 206; p. 1080.
- Gombor, Eduard, St. Louis, Mo. Vest. No. 1,085,410; Jan. 27; Gaz. vol. 198; p. 817.
- Gomez, Joseph, Jacksonville, Ill. Swing. No. 1,097,712; May 26; Gaz. vol. 202; p. 995.
- Gondek, John. (See Kukla, Joseph, assignor.)
- Gonella, Angelo, and S. Sacerdote, Milan, Italy. Steam-cooking apparatus for food. No. 1,087,114; Feb. 17; Gaz. vol. 199; p. 629.
- Gong, Wong L., West Hoboken, N. J. Laundry-stove. No. 1,096,105; May 12; Gaz. vol. 202; p. 353.
- Gonia, Henry W., Berwind, W. Va. Trolley-hanger. No. 1,098,250; May 26; Gaz. vol. 202; p. 1183.

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- Gonzalez y Sebasco, Tomas, Habana, Cuba. Line-protector for telegraph and telephone systems. No. 1,111,574; Sept. 22; Gaz. vol. 206; p. 1081.
- Gooch, Benjamin, Scio, Oreg. Dispensing-can. No. 1,110,682; Sept. 15; Gaz. vol. 206; p. 729.
- Good, John, New York, N. Y. Stop-motion. No. 1,094,435; Apr. 28; Gaz. vol. 201; p. 917.
- Good, John, New York, N. Y. Spinning or twisting machine. No. 1,102,334; July 7; Gaz. vol. 204; p. 40.
- Good, John, New York, N. Y. Tension-regulator. No. 1,109,580; Sept. 1; Gaz. vol. 206; p. 253.
- Good, Milton D., Albany, Oreg. Arch-support. No. 1,095,849; May 5; Gaz. vol. 202; p. 230.
- Good, Milton D., Albany, Oreg. Reflectoscope. No. 1,114,605; Oct. 20; Gaz. vol. 207; p. 849.
- Good, Peter A., Philadelphia, Pa. Milk-bottle holder. No. 1,105,269; July 28; Gaz. vol. 204; p. 1193.
- Good, William H., Greensburg, Pa. Composition for the manufacture of artificial stone. No. 1,100,478; June 16; Gaz. vol. 203; p. 805.
- Goodbar, Alvan B., St. Louis, assignor to C. Tweedie, Jefferson City, Mo. Apparel-shoe-tip-drying rack. No. 1,085,601; Feb. 3; Gaz. vol. 199; p. 8.
- Goode, Henry W., and W. H. Dailey, Van Wert, Ohio. Beet-harvester. No. 1,099,643; June 9; Gaz. vol. 203; p. 480.
- Goodell, Alfred, Jr., Limeridge, Wis. Road-bed construction. No. 1,118,853; Nov. 24; Gaz. vol. 208; p. 1299.
- Goodell Company. (See Mower, Fred G., assignor.)
- Goodell-Pratt Company. (See Hapgood, Oscar D., assignor.)
- Goodenberger, John W., Akron, Ohio. Swimmer's foot-paddle. No. 1,114,466; Oct. 20; Gaz. vol. 207; p. 804.
- Goodenow-Brookfield Knitting Company. (See Goodenow, Julian F., assignor.)
- Goodenow, Julian F., assignor to Goodenow-Brookfield Knitting Company, Kansas City, Mo. Underwear. No. 1,091,504; Mar. 31; Gaz. vol. 200; p. 1134.
- Goodes, Paul, *et al.* (See Kelly, Albert F., assignor.)
- Goodfellow, Charles S., assignor to A. Higson and G. H. Martens, Jersey City, N. J. Demountable rim. No. 1,099,173; June 9; Gaz. vol. 203; p. 318.
- Goodfellow, Frank A., Altoona, Pa. Exhaust-nozzle. No. 1,122,733; Dec. 29; Gaz. vol. 209; p. 1491.
- Goodfellow, Joseph P., Blaine, Wash. Canning machinery. No. 1,104,658; July 21; Gaz. vol. 204; p. 933.
- Goodfriend, Henry. (See Reutter, Frederick, assignor.)
- Goodhue, Clinton H., Waterville, Me. Shield or guard for automobiles. No. 1,118,760; Nov. 24; Gaz. vol. 208; p. 1267.
- Goodhue, James E., St. Charles, Ill. Corn-husking machine. No. 1,094,848; Apr. 28; Gaz. vol. 201; p. 1065.
- Goodlad, Lawrence W., New Richmond, Wis. Wheel. No. 1,120,929; Dec. 15; Gaz. vol. 209; p. 791.
- Goodland, Walter S., and G. Bahnemann, Racine, Wis. Puttyless window. No. 1,114,467; Oct. 20; Gaz. vol. 207; p. 804.
- Goodline, George, Pawtucket, R. I. Shedding mechanism for looms. No. 1,116,814; Nov. 10; Gaz. vol. 208; p. 509.
- Goodloe, Hawthorne A., *et al.* (See Waddell, Edward B., Jr., assignor.)
- Goodloe, Higgins L., Marshall, Mo. Cravat-shield. No. 1,109,748; Sept. 8; Gaz. vol. 206; p. 356.
- Goodman, Edward F., Augusta, Ga. Hanger construction for auto running-gear springs. No. 1,088,777; Mar. 3; Gaz. vol. 200; p. 36.
- Goodman, Joseph E. and L., Stockton, Cal. Tire-protector. No. 1,086,523; Feb. 10; Gaz. vol. 199; p. 375.
- Goodman, Louis. (See Goodman, Joseph E. and L.)
- Goodman Manufacturing Company. (See Davis, Charles E., assignor.)
- Goodman, Nathan J., St. Louis, Mo. Laundried-shirt protector. No. 1,107,513; Aug. 18; Gaz. vol. 205; p. 767.
- Goodman, Nathan J., assignor to Simplex Self-Holding Carton Company, St. Louis, Mo. Merchandise carton or box. No. 1,099,294; June 9; Gaz. vol. 203; p. 360.
- Goodnough, Finley R., Mecosta, Mich. Gathering-machine. No. 1,104,986; July 28; Gaz. vol. 204; p. 1095.
- Goodnow, Daniel, Boston, Mass. Jack-rest. No. 1,120,809; Dec. 15; Gaz. vol. 209; p. 747.
- Goodpasture, Charles H., Olympia, Wash. Automatic train control. No. 1,116,055; Nov. 3; Gaz. vol. 208; p. 201.
- Goodrich, Charles E., Birdsboro, Pa. Rail-joint. No. 1,085,033; Jan. 20; Gaz. vol. 198; p. 650.
- Goodrich, Emory W. (See Depue, Oscar B., assignor.)
- Goodrich, George N., Detroit, Mich. Recording attachment for pianos. No. 1,087,115; Feb. 17; Gaz. vol. 199; p. 629.
- Goodrich, Latimer, *et al.* (See Curry, Charles N., assignor.)
- Goodrich, Ralph B., College Hill, Ohio. Hydraulic motor. No. 1,117,370; Nov. 17; Gaz. vol. 208; p. 743.
- Goodrick, Edson G., Brush, Colo. Well-drilling machine. No. 1,096,624; May 12; Gaz. vol. 202; p. 529.
- Goodridge, Gilbert W., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,086,661; Feb. 10; Gaz. vol. 199; p. 423.
- Goodridge, Gilbert W., assignor to The Bryant Electric Company, Bridgeport, Conn. Chain attachment. No. 1,103,760; July 14; Gaz. vol. 204; p. 582.
- Goodridge, Gilbert W., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric-lamp socket. No. 1,121,348; Dec. 15; Gaz. vol. 209; p. 936.
- Goodridge, Gilbert W., and W. J. Gagnon, assignors to The Bryant Electric Company, Bridgeport, Conn. Machine for making bead chains. No. 1,087,876; Feb. 17; Gaz. vol. 199; p. 893.
- Goodroad, Frank A. E., Canton, S. D. Drain attachment for washboilers. No. 1,091,570; Mar. 31; Gaz. vol. 200; p. 1156.
- Goodrow, William, Chicago, Ill. Miter-joint fastener. No. 1,089,360; Mar. 3; Gaz. vol. 200; p. 233.
- Goodrum, Charles L. (See Lattig and Goodrum.) (Re-issue.)
- Goodrum, John, Gore, Ga. Cotton-chopper attachment for cultivators. No. 1,115,425; Oct. 27; Gaz. vol. 207; p. 1191.
- Goodside, Moses, New York, N. Y. Combined corset and abdominal supporter. No. 1,090,844; Mar. 24; Gaz. vol. 200; p. 865.
- Goodson, Robert. (See Burnett, Arthur J. H., assignor.)
- Goodspeed, Leland F., assignor to Milwaukee Locomotive Manufacturing Company, Milwaukee, Wis. Control mechanism. No. 1,101,692; June 30; Gaz. vol. 203; p. 1328.
- Goodspeed, Leland F., assignor to Milwaukee Locomotive Manufacturing Company, Milwaukee, Wis. Chemical-tank. No. 1,114,876; Oct. 27; Gaz. vol. 207; p. 999.
- Goodspeed, Leland F., Milwaukee, Wis., assignor of one-half to H. H. Westinghouse, New York, N. Y. Fluid-pressure control device. No. 1,115,662; Nov. 3; Gaz. vol. 208; p. 67.
- Goodwin, Benjamin. (See Miles, Don D., Jr., assignor.)
- Goodwin, Charles, East Providence, R. I. Rotary check. No. 1,091,571; Mar. 31; Gaz. vol. 200; p. 1156.
- Goodwin, Charles, East Providence, R. I. Apparatus for raising the temperature of articles. No. 1,121,723; Dec. 22; Gaz. vol. 209; p. 1103.
- Goodwin, Charles, assignor of one-half to H. R. Adams, East Providence, R. I. Wrench. No. 1,101,022; June 23; Gaz. vol. 203; p. 1047.
- Goodwin, Edwin B., Boulder, Colo. Separator and classifier for placer material, ground ore, and the like. No. 1,122,908; Dec. 29; Gaz. vol. 209; p. 1553.
- Goodwin, Ella, Chicago, Ill. Window-cleaner. No. 1,111,575; Sept. 22; Gaz. vol. 206; p. 1081.
- Goodwin, Frank J., Lexington, Ky. Vise. No. 1,110,683; Sept. 15; Gaz. vol. 206; p. 729.
- Goodwin, George H., *et al.* (See Neville, Harry, assignor.)
- Goodwin, Hal, Chicago, Ill. Fire-preventive device for motion-picture apparatus. No. 1,111,376; Sept. 22; Gaz. vol. 206; p. 1011.
- Goodwin, Henry L. (See Harvey and Goodwin.)
- Goodwin, Ira W., Santa Barbara, Cal. Spring-frame for bicycles. No. 1,085,411; Jan. 27; Gaz. vol. 198; p. 817.
- Goodwin, John E., Norwood, Mass. Controlling device for water-heating systems. No. 1,095,105; Apr. 28; Gaz. vol. 201; p. 1152.
- Goodwin, Julius C., Philadelphia, Pa. Sewing-machine. No. 1,088,339; Feb. 24; Gaz. vol. 199; p. 1101.
- Goodwin and Miles Company. (See Miles, Don D., Jr., assignor.)
- Goodwin, Myron, Berwick, Me. Polisher. No. 1,118,546; Nov. 24; Gaz. vol. 208; p. 1196.
- Goodwin, Norman L., Tacoma, Wash. Self-loading cart. No. 1,086,816; Feb. 10; Gaz. vol. 199; p. 478.
- Goodwin, Paul J., Hurdsville, N. D. Dehorning-tool. No. 1,120,473; Dec. 8; Gaz. vol. 209; p. 582.
- Goodwin, Thomas J., Dallas, Tex. Bottle-cap. No. 1,087,758; Feb. 17; Gaz. vol. 199; p. 855.
- Goodwin, William B., Columbus, Ohio. Igniting device. No. 1,085,082; Jan. 20; Gaz. vol. 198; p. 666.
- Goodyear, Charles W., *et al.*, executors. (See Goodyear, George W. and E. F.)
- Goodyear, Edward J., Wilkinsburg, Pa. Air-inlet device for explosive-engines. No. 1,110,922; Sept. 15; Gaz. vol. 206; p. 813.
- Goodyear, Ernest F. (See Goodyear, George W. and E. F.)
- Goodyear, George W., deceased, (M. and C. W. Goodyear and J. Faulkner, executors,) and E. F. Goodyear, Dudley, England. Road-wheel of automobiles and the like. No. 1,105,646; Aug. 4; Gaz. vol. 205; p. 21.
- Goodyear, Maria, *et al.*, executors. (See Goodyear, George W. and E. F.)
- Goodyear, Nelson, assignor to B. H. Wells, New York, N. Y. Gas-buoy. No. 1,088,146; Feb. 24; Gaz. vol. 199; p. 1036.
- Goodyear, Nelson, assignor to B. H. Wells, New York, N. Y. Gas-lighted buoy. No. 1,088,147; Feb. 24; Gaz. vol. 199; p. 1037.
- Goodyear Tire and Rubber Company, The. (See Clark, Elmer, assignor.)
- Goodyear Tire and Rubber Company, The. (See Kline and Nail, assignors.)
- Goodyear Tire and Rubber Company, The. (See Kuentzel, Curt, assignor.)

Alphabetical list of patentees—Continued.

- Goodyear Tire and Rubber Company, The. (See Nall, Edward, assignor.)
- Goodyear Tire and Rubber Company, The. (See Nall and Tyler, assignors.)
- Goodyear Tire and Rubber Company, The. (See Tyler and Nall, assignors.)
- Goodyear Tire and Rubber Company, The. (See Upson, Ralph H., assignor.)
- Goodyear Tire & Rubber Company, The, *et al.* (See Wagenhorst, James H., assignor.)
- Goodyear, Watson E., Naugatuck, Conn., assignor, by mesne assignments, to The Foxboro Company, Foxboro, Mass. Portable recording voltmeter. No. 1,115,925; Nov. 3; Gaz. vol. 208; p. 156.
- Goodyear's India Rubber Glove Mfg. Co. (See Eggers, Anton C., assignor.)
- Gookin, Albert T., Cambridge, Mass. Resilient wheel. No. 1,093,399; Apr. 14; Gaz. vol. 201; p. 474.
- Gookin, Albert T., Cambridge, Mass. Car-fender. No. 1,114,606; Oct. 20; Gaz. vol. 207; p. 850.
- Goolman, Fred R., assignor to Harris Player Piano Company, Binghamton, N. Y. Selective piano-player mechanism. No. 1,090,706; Mar. 17; Gaz. vol. 200; p. 788.
- Goolnik, Enoch, Mile End, London, England. Apparatus for grinding and sharpening razors, knives, and the like. No. 1,113,210; Oct. 13; Gaz. vol. 207; p. 320.
- Goolsby, Margaret E., Orlando, Fla. Surgical apparatus. No. 1,092,643; Apr. 7; Gaz. vol. 201; p. 180.
- Gooszy, Charles A., Woonsocket, R. I. Valve-handle. No. 1,113,613; Oct. 13; Gaz. vol. 207; p. 462.
- Gorden, Alexander. (See Coleman and Gorden.)
- Gorder, Carl A., Belgrade, Minn. Clevis. No. 1,090,529; Mar. 17; Gaz. vol. 200; p. 730.
- Gordin, Wassili, assignor to Firm C. Nenader, St. Petersburg, Russia. Liquid-fuel burner. No. 1,085,334; Jan. 27; Gaz. vol. 198; p. 791.
- Gordon, Alexander, Detroit, Mich. Cigar-bunching machine. No. 1,108,871; Aug. 25; Gaz. vol. 205; p. 1287.
- Gordon, Arthur M., Plymouth, assignor to Seth Thomas Clock Co., Thomaston, Conn. Tower-clock escapement. No. 1,109,581; Sept. 1; Gaz. vol. 206; p. 253.
- Gordon, David D., Chicago, Ill., assignor to The Yost Electric Manufacturing Company, Toledo, Ohio. Switching device. No. 1,091,505; Mar. 31; Gaz. vol. 200; p. 1134.
- Gordon, Francis H., Harrisburg, Pa. Fly-trap. No. 1,112,064; Sept. 29; Gaz. vol. 206; p. 1285.
- Gordon, Fred M., Detroit, Mich. Razor-sharpening machine. No. 1,085,602; Feb. 3; Gaz. vol. 199; p. 8.
- Gordon, Frederick A., Spokane, Wash. Syringe-nozzle. No. 1,104,659; July 21; Gaz. vol. 204; p. 933.
- Gordon, George, Saginaw, Mich. Snap-seal. No. 1,102,262; July 7; Gaz. vol. 204; p. 14.
- Gordon, Hiram W., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leather-marker. No. 1,083,278; Jan. 6; Gaz. vol. 198; p. 6.
- Gordon Hollow Blast Grate Company, The. (See Tower, Ray J., assignor.)
- Gordon, James C., Calgary, Alberta, Canada. Milking-machine. No. 1,106,202; Aug. 4; Gaz. vol. 205; p. 215.
- Gordon, James E., Springfield, Colo. Motor-cycle stand. No. 1,121,493; Dec. 15; Gaz. vol. 209; p. 985.
- Gordon, James R., Downey, Cal. Longitudinally-adjustable spacing and clamping bolt. No. 1,100,822; June 23; Gaz. vol. 203; p. 975.
- Gordon, James R., Downey, Cal. Collapsible extension-ladder. No. 1,100,823; June 23; Gaz. vol. 203; p. 976.
- Gordon, Johann, Dresden, Germany. Tennis or like ball. No. 1,097,973; May 26; Gaz. vol. 202; p. 1090.
- Gordon, John, Jr., East Orange, N. J., and A. W. Stringham, Brooklyn, N. Y. Control for mechanical sound-producers. No. 1,106,446; Aug. 11; Gaz. vol. 205; p. 341.
- Gordon, John R. (See Hayden, Willard A., assignor.)
- Gordon, Johnston R. (See Simpson and Gordon.)
- Gordon, Murray L., Dallas, Pa. Automatic headlamp control. No. 1,117,833; Nov. 17; Gaz. vol. 208; p. 907.
- Gordon, Raymond D., and L. O. Hudson, Tulsa, Okla. Igniter for explosive-engines. No. 1,109,829; Sept. 8; Gaz. vol. 206; p. 383.
- Gordon, Richey H. (See Host, Bower, and Gordon.)
- Gordon, Robert E., Wallaceburg, Ontario, Canada. Purifying and clarifying raw sugar-cane juices. No. 1,094,436; Apr. 28; Gaz. vol. 201; p. 918.
- Gordon, Wilbur M., Traverse City, Mich. Cherry-clipper. No. 1,108,572; Aug. 25; Gaz. vol. 205; p. 1185.
- Gordon, William, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Buffing-machine. No. 1,102,906; July 7; Gaz. vol. 204; p. 237.
- Gordon, William, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Buffing-machine. No. 1,103,957; July 21; Gaz. vol. 204; p. 692.
- Gordon, William R., Kinloch, Mo. Air-craft. No. 1,103,195; July 14; Gaz. vol. 204; p. 388.
- Gore, Charles, San Francisco, Cal. Speed-indicator for automobiles. No. 1,091,059; Mar. 24; Gaz. vol. 200; p. 940.
- Gore, Daniel W., Buffalo, N. Y. Clothes-line holder. No. 1,085,729; Feb. 3; Gaz. vol. 199; p. 53.
- Gore, Frederick W., New York, N. Y. Electrical resistance. No. 1,112,788; Oct. 6; Gaz. vol. 207; p. 132.
- Gore, George W. and L. E., Mena, Ark. Saw-set. No. 1,107,514; Aug. 18; Gaz. vol. 205; p. 767.
- Gore, Louis E. (See Gore, George W. and L. E.)
- Gore, Thomas, New York, N. Y. Wire rope. No. 1,099,644; June 9; Gaz. vol. 203; p. 480.
- Gore, Thomas, Philadelphia, Pa. Water-heater. No. 1,115,306; Oct. 27; Gaz. vol. 207; p. 1151.
- Gore, Warren W., Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill. Internal-combustion engine. No. 1,110,438; Sept. 15; Gaz. vol. 206; p. 642.
- Goreau, Nelson G., New Orleans, La. Controller for water-heaters, &c. No. 1,114,877; Oct. 27; Gaz. vol. 207; p. 999.
- Goreau, Nelson G., and E. M. Babst, New Orleans, La.; said Goreau assignor to said Babst. Flushing mechanism. No. 1,091,834; Mar. 31; Gaz. vol. 200; p. 1248.
- Gorelovitz, Julius, New York, N. Y. Hat-fastener. No. 1,090,613; Mar. 17; Gaz. vol. 200; p. 759.
- Gorgen, John G., New York, N. Y. Meter-seal. No. 1,119,594; Dec. 1; Gaz. vol. 209; p. 239.
- Gorham, Edgar W., Lyndonville, Vt. Broom-holder. No. 1,109,413; Sept. 1; Gaz. vol. 206; p. 199.
- Gorham Manufacturing Company. (See Blanchard, Raymond I., assignor.)
- Gorham, Patrick, *et al.* (See Schaffer, Charles, assignor.)
- Gorham, William R., Oakland, Cal. Gearing. No. 1,094,142; Apr. 21; Gaz. vol. 201; p. 760.
- Gorin, Fred P. (See Frantz, Charles T., assignor.)
- Gorman, James A., and H. W. Sumner, assignors to Phoenix Sales Company, Seattle, Wash. Stump-pulling apparatus. No. 1,092,907; Apr. 14; Gaz. vol. 201; p. 304.
- Gorman, John, Wentworth, Mo. Hinge. No. 1,114,746; Oct. 27; Gaz. vol. 207; p. 952.
- Gorman, John H., Salisbury, N. C. Collapsible hog'shead. No. 1,112,001; Sept. 29; Gaz. vol. 206; p. 1264.
- Gormley, Harry, New York, N. Y. Automatic railway-gate. No. 1,096,711; May 12; Gaz. vol. 202; p. 557.
- Gormly, Robert W., Troy, N. Y. Circular-knitting machine. No. 1,117,032; Nov. 10; Gaz. vol. 208; p. 584.
- Correll, Harry B., Canton, Mo. Driving mechanism. No. 1,096,783; May 12; Gaz. vol. 202; p. 582.
- Correll Steel Spike Lock Railroad Tie Corporation. (See Brown, Augustus F., assignor.)
- Correll Steel Spike Lock Railroad Tie Corporation. (See Correll, William R., assignor.)
- Correll Steel Spike Lock Railroad Tie Corporation. (See Kirk, Laurence H., assignor.)
- Correll, William R., Alhambra, Cal., assignor to Correll Steel Spike Lock Railroad Tie Corporation, Havre de Grace, Md. Combined insulating and fastening means for rails. No. 1,104,660; July 21; Gaz. vol. 204; p. 934.
- Corrien, John, Minneapolis, Minn. Automatic damper for chimney-flues. No. 1,100,296; June 16; Gaz. vol. 203; p. 743.
- Corrien, John, Minneapolis, Minn. Automatic damper for chimney-flues. No. 1,100,297; June 16; Gaz. vol. 203; p. 743.
- Gorsline, Hathaway M. (See Erwin and Gorsline.)
- Gorsion, Samuel, Atlantic City, N. J. Combined pocket-clip and eraser-holder. No. 1,084,624; Jan. 20; Gaz. vol. 198; p. 510.
- Gorsuch, Erastus J., Baltimore, Md. Billiard-cue tip. No. 1,101,023; June 23; Gaz. vol. 203; p. 1047.
- Gorsuch, Lincoln, Lazear, Colo. Beehive. No. 1,099,295; June 9; Gaz. vol. 203; p. 360.
- Gorton, Charles E., Montclair, N. J., assignor to E. Muller, New York, N. Y. Feed-water cleanser. No. 1,109,582; Sept. 1; Gaz. vol. 206; p. 254.
- Gorton, George. (See Carpenter, Charles R., assignor.)
- Gorton, George, Racine, Wis. Means for removing chips from the cutters of cutting-off saws and the like. No. 1,085,252; Jan. 27; Gaz. vol. 198; p. 763.
- Gorton, George, Racine, Wis. Inserted-cutter securing and adjusting device. No. 1,090,205; Mar. 17; Gaz. vol. 200; p. 615.
- Gorton, Robert, West Newton, Mass. Hose-supporter. No. 1,086,290; Feb. 3; Gaz. vol. 199; p. 248.
- Gorton, Robert, Newton, Mass. Clasp for hose-supporters. No. 1,109,583; Sept. 1; Gaz. vol. 206; p. 254.
- Gorz, George E. (See Helchel and Gorz.)
- Goschke, Charles H., Enon Valley, Pa. Vehicle-spring. No. 1,083,737; Jan. 11; Gaz. vol. 198; p. 159.
- Goskar, Thomas A. (See Yeo, Hall, and Goskar.)
- Goslin, Clarence A. (See Sharkey, William C., assignor.)
- Gosnell, Andrew P., assignor to one-half to H. E. Beil, Los Angeles, Cal. Shingle and roof construction. No. 1,086,524; Feb. 10; Gaz. vol. 199; p. 375.
- Gosnell, John A., and J. Olson, Bradley, Ill. Invalid-bed. No. 1,089,208; Mar. 3; Gaz. vol. 200; p. 185.
- Goss, Charles C., New York, N. Y. Casing for nursing and other bottles. No. 1,121,349; Dec. 15; Gaz. vol. 209; p. 936.
- Goss, Charles E. (See Goss, George W. and C. E.)
- Goss, Frederick, Millicent, South Australia, Australia. Electric alarm-clock. No. 1,085,412; Jan. 27; Gaz. vol. 198; p. 818.
- Goss, George W., St. Louis, Mo., assignor to L. M. Morden, Waterbury, Conn. Loose-leaf binder. No. 1,111,377; Sept. 22; Gaz. vol. 206; p. 1012.

Alphabetical list of patentees—Continued.

- Goss, George W. and C. E., Baltimore, Ohio. Gate. No. 1,087,655; Feb. 17; Gaz. vol. 199; p. 822.
- Goss, George W. and C. E., Baltimore, Ohio. Gate. No. 1,087,656; Feb. 17; Gaz. vol. 199; p. 822.
- Goss, Harry T., Rutherford, N. J. Ferry-landing mechanism. No. 1,091,835; Mar. 31; Gaz. vol. 200; p. 1249.
- Goss, Harry T., Rutherford, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Time-recorder. No. 1,088,148; Feb. 24; Gaz. vol. 199; p. 1037.
- Goss, Harry T., Rutherford, and J. W. Bryce, Bloomfield, N. J. Time-recorder. No. 1,085,678; Feb. 3; Gaz. vol. 199; p. 35.
- Goss, Harry T., Rutherford, and J. W. Bryce, Bloomfield, N. J. Dish-washing machine. No. 1,090,845; Mar. 24; Gaz. vol. 200; p. 865.
- Goss, Jacob H., Maitland, Pa. Trick device. No. 1,099,793; June 9; Gaz. vol. 203; p. 531.
- Goss, Joel S., Oceanpark, and C. J. Wilson, Los Angeles, Cal. Power-wheel. No. 1,120,930; Dec. 15; Gaz. vol. 209; p. 791.
- Goss, John H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Socket-cap. No. 1,103,504; July 14; Gaz. vol. 204; p. 490.
- Goss, Louis A., Cambridge, England. Transposing attachment for pianofortes. No. 1,107,783; Aug. 18; Gaz. vol. 205; p. 863.
- Goss Printing Press Company, The. (See Johnston, Robert T., assignor.)
- Goss Printing Press Company, The. (See Firm, Joseph L., assignor.)
- Goss Printing Press Company, The. (See Lang, Hubert, assignor.)
- Goss Printing Press Company, The. (See Raabe, Otto L., assignor.)
- Goss Printing Press Company, The. (See Raabe and Terrey, assignors.)
- Goss Printing Press Company, The. (See Schroeder, Hans C., assignor.) (Reissue.)
- Goss, William H., Hammon, Cal. Attachment for pumps. No. 1,099,596; June 9; Gaz. vol. 203; p. 465.
- Gosselin, Louis A. (See Longtin, Xyste, assignor.)
- Gossett, Edgar C. and E. E., Jackson, Ga. Safety attachment for trolley-poles. No. 1,110,485; Sept. 15; Gaz. vol. 206; p. 659.
- Gossett, Ernest E. (See Gossett, Edgar C. and E. E.)
- Gossmann, Jesse E., Goulds, Fla. Lamp-operating mechanism. No. 1,105,030; July 28; Gaz. vol. 204; p. 1110.
- Gosso, Alton E., Chicago, Ill. Cot. No. 1,089,545; Mar. 10; Gaz. vol. 200; p. 347.
- Gosso, Alton E., Chicago, Ill. Adjustable folding spring-cot. No. 1,120,931; Dec. 15; Gaz. vol. 209; p. 791.
- Gosswiller, Michael F., assignor of one-half to W. Bissell, Troy, Mont. Bolt-lock. No. 1,103,902; July 14; Gaz. vol. 204; p. 631.
- Gostling, Charles R., Eustis, Fla. Treating steel and iron in their manufacture. No. 1,091,330; Mar. 24; Gaz. vol. 200; p. 1030.
- Gotautas, Anton, Brainerd, Minn. Wheel-gage. No. 1,099,794; June 9; Gaz. vol. 203; p. 532.
- Göthe, Emil A. O. (See Johansson and Göthe.)
- Gott, John, Hove, Brighton, England, assignor to Commercial Cable Company, New York, N. Y. Quadruplex telegraph system. No. 1,109,830; Sept. 8; Gaz. vol. 206; p. 384.
- Gott, John, Hove, Brighton, England, assignor to Commercial Cable Company, New York, N. Y. System of cable-working. No. 1,113,429; Oct. 13; Gaz. vol. 207; p. 399.
- Gott, John, Hove, Brighton, England, assignor to Commercial Cable Company, New York, N. Y. Working submarine cables. No. 1,114,982; Oct. 27; Gaz. vol. 207; p. 1036.
- Gott, John, Brighton, England, assignor to Commercial Cable Company, New York, N. Y. Working submarine cables. No. 1,122,383; Dec. 29; Gaz. vol. 209; p. 1369.
- Gottertz, Joseph. (See Brewster and Gottertz.)
- Gottfrid, Daniel, Kansas City, Kans. Weed-puller. No. 1,093,400; Apr. 14; Gaz. vol. 201; p. 474.
- Gottke, Otto, Halensee, near Berlin, Germany. Petroleum incandescent lamp. No. 1,089,546; Mar. 10; Gaz. vol. 200; p. 347.
- Gottlieb, Herman A., New York, N. Y. Attachment for stereopticons. No. 1,093,401; Apr. 14; Gaz. vol. 201; p. 474.
- Gottlieb, Leo R., *et al.* (See Norris, Arthur, assignor.)
- Gottlob, Kurt, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Colored caoutchouc substances and making same. No. 1,113,614; Oct. 13; Gaz. vol. 207; p. 462.
- Gottschalk, Albert, New York, N. Y., assignor to National Pneumatic Company, Chicago, Ill. Door-operating apparatus. No. 1,111,959; Sept. 29; Gaz. vol. 206; p. 1251.
- Gottschalk, George, Lewistown, Pa. Auxiliary air valve or mixer for internal-combustion engines. No. 1,097,311; May 19; Gaz. vol. 202; p. 813.
- Gottschalk, John J., assignor of one-half to I. S. Leonard, Taunton, Mass. Button. No. 1,100,069; June 16; Gaz. vol. 203; p. 663.
- Gottschalk, Paul, Dresden, Germany. Apparatus for delivering material used as mouthpieces in the manufacture of cigarettes. No. 1,095,850; May 5; Gaz. vol. 202; p. 230.
- Gottschall, Ferdinand F., St. Paul, Minn., assignor of one-half to H. Gottschall, Chicago, Ill. Draw-bar protector. No. 1,116,413; Nov. 10; Gaz. vol. 208; p. 363.
- Gottschall, Henry. (See Gottschall, Ferdinand F., assignor.)
- Gottschall, Louis, New York, N. Y. Sign. No. 1,099,035; June 2; Gaz. vol. 203; p. 228.
- Gotwalt, Paul. (See Walton and Gotwalt.)
- Goucher, George B. (See Dinger and Goucher.)
- Goudard, Maurice, and M. Mennesson, Levallois-Perret, France. Carbureter. No. 1,090,047; Mar. 10; Gaz. vol. 200; p. 518.
- Goudschaal, Godlove E., Raymond, Minn. Boot-cleaner. No. 1,092,832; Apr. 14; Gaz. vol. 201; p. 279.
- Gough, George, Yale, Mich. Coffin-fastener. No. 1,102,335; July 7; Gaz. vol. 204; p. 40.
- Gough, William H., Valley Falls, R. I. Steam-vapor spray. No. 1,105,419; July 28; Gaz. vol. 204; p. 1249.
- Goughnour, Charles L., assignor to The United Electric Company, Canton, Ohio. Suction cleaning-nozzle. No. 1,110,439; Sept. 15; Gaz. vol. 206; p. 642.
- Gould, Charles T. E., assignor of one-third to E. Hilker, Chicago, Ill. Sewing-machine. No. 1,086,662; Feb. 10; Gaz. vol. 199; p. 423.
- Gould, Charles T. E., assignor of one-third to E. Hilker, Chicago, Ill. Sewing-machine. No. 1,087,165; Feb. 17; Gaz. vol. 199; p. 646.
- Gould, Charles T. E., assignor of one-third to E. Hilker, Chicago, Ill. Sewing-machine. No. 1,119,272; Dec. 1; Gaz. vol. 209; p. 127.
- Gould Coupler Company. (See Davis, Donald C., assignor.)
- Gould Coupler Company. (See Jepson and Bouché, assignors.)
- Gould Coupler Company. (See Richards, Willard F., assignor.)
- Gould, De Forest, *et al.* (See Gould, Roland D., assignor.)
- Gould, Edwin J., assignor to The Ludlow-Saylor Wire Company, St. Louis, Mo. Fly-trap. No. 1,103,578; July 14; Gaz. vol. 204; p. 518.
- Gould, Florence P., *et al.* (See Gould, Roland D., assignor.)
- Gould, Glenn. (See Tingley and Gould.)
- Gould, Glenn. (See Tingley, Roosa, and Gould.)
- Gould, Glenn, and A. J. Tingley, Owosso, Mich. Collecting and stripping mechanism. No. 1,119,422; Dec. 1; Gaz. vol. 209; p. 180.
- Gould, Harry A., St. Louis, Mo. Toy pistol. No. 1,100,728; June 23; Gaz. vol. 203; p. 943.
- Gould, John M. (See Russell, Herbert A., assignor.)
- Gould, Robert D., Superior, Wis. Device for preventing water-hammer. No. 1,116,414; Nov. 10; Gaz. vol. 208; p. 363.
- Gould, Roland D., assignor of one-half to F. P. Gould and one-half to D. Gould, Hood River, Ore. Envelop holding and feeding attachment for type-writers. No. 1,121,088; Dec. 15; Gaz. vol. 209; p. 848.
- Gould Storage Battery Company. (See Everett, Samuel H. Jr., assignor.)
- Gould Storage Battery Company. (See Hazelton, Hugh, assignor.)
- Gould Storage Battery Company. (See Hubbard, Albert S., assignor.)
- Gould Storage Battery Company. (See Rabenalt, Gustav H., assignor.)
- Gould Storage Battery Company. (See Snyder, Almond H., assignor.)
- Gould Storage Battery Company. (See Winship, Walter E., assignor.)
- Gould, Thomas E., Brooklyn, N. Y. Furniture-caster. No. 1,102,149; June 30; Gaz. vol. 203; p. 1488.
- Gould, Vincent W., and C. P. Field, Deland, Fla. Tank-outlet. No. 1,086,663; Feb. 10; Gaz. vol. 199; p. 423.
- Gould, William, Austin, Ore. Bolt. No. 1,087,759; Feb. 17; Gaz. vol. 199; p. 855.
- Gouldbourn, Joseph. (See Barclay and Gouldbourn.)
- Gouldbourn, Joseph. (See Bates, Jerram, and Gouldbourn.)
- Gouldbourn, Joseph. (See Jerram, Bates, and Gouldbourn.)
- Gouldbourn, Joseph. (See Jerram and Gouldbourn.)
- Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Abrading-tool. No. 1,091,506; Mar. 31; Gaz. vol. 200; p. 1134.
- Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Sole-leveling machine. No. 1,114,253; Oct. 20; Gaz. vol. 207; p. 728.
- Goulding, Benjamin J. J., London, England, assignor, by mesne assignments, to The Autoplate Company of America, Jersey City, N. J. Apparatus for shaving curved stereotype-plates. No. 1,109,831; Sept. 8; Gaz. vol. 206; p. 384.
- Goulding, Thomas H., St. Paul, Minn. Petcock-valve. No. 1,089,209; Mar. 3; Gaz. vol. 200; p. 185.

Alphabetical list of patentees—Continued.

- Gounouilhon, Marcel, Bordeaux, France. Means for propelling ships and the like. No. 1,095,106; Apr. 28; Gaz. vol. 201; p. 1152.
- Gourlay, James W. (See Gourlay, William W. and J. W.)
- Gourlay, William W. and J. W., South Vineland, N. J. Elevating-rod-actuating device. No. 1,117,661; Nov. 17; Gaz. vol. 208; p. 845.
- Gourlie, John H., Winnipeg, Manitoba, Canada. Beater. No. 1,101,693; June 30; Gaz. vol. 203; p. 1328.
- Gove, Harry E., Newton, Iowa. Fireless cooker. No. 1,101,024; June 23; Gaz. vol. 203; p. 1048.
- Gover, Harry S., Bel Air, Md. Metal cross-tie. No. 1,096,032; May 12; Gaz. vol. 202; p. 328.
- Gover, Harry S., Bel Air, Md. Spring-tire. No. 1,098,375; June 2; Gaz. vol. 203; p. 6.
- Gover, Harry S., Bel Air, Md. Street-rail sleeper. No. 1,103,761; July 14; Gaz. vol. 204; p. 582.
- Gover, Harry S., Bel Air, Md. Spring-wheel. No. 1,112,285; Sept. 29; Gaz. vol. 206; p. 1363.
- Goyerts, Johann P., Berlin, Germany, assignor to J. F. Wahl, St. Petersburg, Russia. Sanitary closet-rinsing device. No. 1,088,696; Mar. 3; Gaz. vol. 200; p. 9.
- Gowlland, Charles S. (See Gowlland, William and C. S.)
- Gowlland, Charles S., Croydon, England. Sight-testing apparatus. No. 1,119,273; Dec. 1; Gaz. vol. 209; p. 128.
- Gowlland, William and C. S., Croydon, England. Ophthalmometer. No. 1,110,197; Sept. 8; Gaz. vol. 206; p. 517.
- Goy, Robert F., Freeburg, Pa. Automobile sleigh. No. 1,084,207; Jan. 13; Gaz. vol. 198; p. 346.
- Goyette, Olivier, New York, N. Y. Triangle-box. No. 1,093,123; Apr. 14; Gaz. vol. 201; p. 378.
- Graaf, Margaret, Estherville, Iowa. Clothes catcher and drainer. No. 1,101,176; June 23; Gaz. vol. 203; p. 1099.
- Graafen, Ferdinand. (See Friese and Graafen.)
- Graaff, Wilhelm, Berlin, Germany. Ice-making and refrigerating machine. No. 1,097,312; May 19; Gaz. vol. 202; p. 813.
- Graaff, Wilhelm, Berlin, Germany. Ice-making machine. No. 1,101,694; June 30; Gaz. vol. 203; p. 1328.
- Grabany, George, Robins, Ohio. Car-coupling. No. 1,122,734; Dec. 29; Gaz. vol. 209; p. 1491.
- Grabau, Hans E., assignor of one-half to M. Wallach and one-half to L. Drosin, New York, N. Y. Bath-spray. No. 1,102,736; July 7; Gaz. vol. 204; p. 180.
- Grabe, Georg, Nikolassee, near Berlin, assignor to Siemens & Halske Aktiengesellschaft, Berlin, Germany. Apparatus for metering conversations in automatic telephone systems. No. 1,107,290; Aug. 18; Gaz. vol. 205; p. 686.
- Grabe, Georg, Nikolassee, near Berlin, assignor to Siemens & Halske A. G., Berlin, Germany. Automatic telephone-exchange system. No. 1,109,216; Sept. 1; Gaz. vol. 206; p. 128.
- Grabendike, Clyde C., Sherman, Tex. Card-holder. No. 1,097,089; May 19; Gaz. vol. 202; p. 735.
- Graber, Anthony J., Huntington, W. Va. Combined brush and comb. No. 1,122,103; Dec. 22; Gaz. vol. 209; p. 1235.
- Graber Calculating Machine Co. (See Graber, Julius, assignor.)
- Graber, Edward D., Greenwich, Conn. Perpetual calendar. No. 1,092,208; Apr. 7; Gaz. vol. 201; p. 29.
- Graber, Julius, New York, N. Y., assignor to Graber Calculating Machine Co. Calculating-machine. No. 1,096,238; May 12; Gaz. vol. 202; p. 393.
- Grabbam, Arthur I., Wellington, New Zealand. Rheostat. No. 1,098,718; June 2; Gaz. vol. 203; p. 124.
- Grabler, Peter, assignor to The Cleveland Flushometer Company, Cleveland, Ohio. Flush-valve. No. 1,123,123; Dec. 29; Gaz. vol. 209; p. 1628.
- Graboff, Saul, New York, N. Y. Cigar-cutter. No. 1,111,743; Sept. 29; Gaz. vol. 206; p. 1173.
- Graboff, Saul, New York, N. Y. Pocket knife and implement. No. 1,117,033; Nov. 10; Gaz. vol. 208; p. 535.
- Grabowsky, Robert, Hanover, Germany. Water-cooled fire-bar. No. 1,107,291; Aug. 18; Gaz. vol. 205; p. 687.
- Grabowsky, Robert, Hanover, Germany. Furnace-grate. No. 1,107,292; Aug. 18; Gaz. vol. 205; p. 687.
- Grace, John W. (See Laplant and Grace.)
- Grace, Patrick H., Los Angeles, Cal. Auxiliary air device for internal-combustion engines. No. 1,094,555; Apr. 28; Gaz. vol. 201; p. 960.
- Gracek, Steven, Elizabeth, Pa. Horseshoe. No. 1,113,117; Oct. 6; Gaz. vol. 207; p. 243.
- Gracely, Harvey T. (See King and Gracely.)
- Grad, Hyman, S. H. Kleeberg, and W. Harris, Newark, N. J. Advertising display device. No. 1,107,293; Aug. 18; Gaz. vol. 205; p. 687.
- Graberg, Ole, Dunnell, Minn. Bridle. No. 1,116,691; Nov. 10; Gaz. vol. 208; p. 466.
- Grady, Charles B., West Orange, N. J. Concrete structure. No. 1,102,580; July 7; Gaz. vol. 204; p. 126.
- Grady, Charles F. and F. L., assignors, by mesne assignments, to Jewett & Company, Buffalo, N. Y. Gas-stove. No. 1,091,649; Mar. 31; Gaz. vol. 200; p. 1183.
- Grady, Frank J., Verona, Wis. Article for animal wear. No. 1,122,587; Dec. 29; Gaz. vol. 209; p. 1438.
- Grady, Frank L. (See Grady, Charles F. and F. L.)
- Graeber, Frank, Norristown, assignor to H. H. Harting, Philadelphia, Pa. Sealing food packages. No. 1,114,747; Oct. 27; Gaz. vol. 207; p. 952.
- Graeber, Frank, assignor to H. H. Harting, Philadelphia, Pa. Packaged article and producing the same. No. 1,114,748; Oct. 27; Gaz. vol. 207; p. 952.
- Graef, Karl, Bellevue, Pa. Ventilator. No. 1,086,160; Feb. 3; Gaz. vol. 199; p. 207.
- Graef, Michael J., St. Louis, Mo. Stamp-affixing device. No. 1,117,488; Nov. 17; Gaz. vol. 208; p. 784.
- Graeff, Daniel S., Hershey, Pa. Railway-tie. No. 1,090,978; Mar. 24; Gaz. vol. 200; p. 912.
- Graf, Herman, assignor to G. Sommer, Reval, Russia. Preparing rosin solutions. No. 1,099,438; June 9; Gaz. vol. 203; p. 410.
- Graf, Robert R., Highlandtown, assignor of one-half to F. E. Welsh, Jr., Baltimore, Md. Alloy. No. 1,101,534; June 30; Gaz. vol. 203; p. 1273.
- Grafe, Ernst M., assignor to Firm of M. Krause, Berlin, Germany. Box-covering machine. No. 1,097,622; May 26; Gaz. vol. 202; p. 962.
- Graff, Henry W., Chicago, Ill. Attachment for writing instruments. No. 1,122,909; Dec. 29; Gaz. vol. 209; p. 1553.
- Graff, Louis J., Pittsburgh, Pa. Game apparatus. No. 1,122,588; Dec. 29; Gaz. vol. 209; p. 1438.
- Graff, Louis J., Pittsburgh, Pa. Cue-gun. No. 1,122,589; Dec. 29; Gaz. vol. 209; p. 1439.
- Grafford, Mamie. (See Darnell and Lewis, assignors.)
- Grafton, George B., McKeesport, assignor to Westmoreland Automatic Machine Company, Irwin, Pa. Shoe-polishing machine. No. 1,088,563; Feb. 24; Gaz. vol. 199; p. 1173.
- Grafton, George B., assignor to Union Tool Company, Irwin, Pa. Handle. No. 1,095,851; May 5; Gaz. vol. 202; p. 231.
- Graham, Albert D., Braddock, Pa. Butter-mixer. No. 1,098,622; June 2; Gaz. vol. 203; p. 92.
- Graham, Benjamin J., Beverly, assignor to C. H. Sherburne, Boston, Mass. Signal-cock. No. 1,088,817; Mar. 3; Gaz. vol. 200; p. 48.
- Graham, Charles E. (See Staples, Elisha S., assignor.)
- Graham, Charles L., Ashley, N. D. Wire-stretcher. No. 1,113,002; Oct. 6; Gaz. vol. 207; p. 205.
- Graham, David F., assignor to The New Departure Manufacturing Company, Bristol, Conn. Antifriction-bearing. No. 1,105,132; July 28; Gaz. vol. 204; p. 1145.
- Graham, David F., assignor to The New Departure Manufacturing Company, Bristol, Conn. Antifriction-bearing. No. 1,105,133; July 28; Gaz. vol. 204; p. 1145.
- Graham, David M. (See Roach, Edson A., assignor.)
- Graham, David M., assignor of one-half to E. A. Roach, Bordulac, N. D. Stacker. No. 1,104,885; July 23; Gaz. vol. 204; p. 1061.
- Graham, Edward M., Chicago, Ill., assignor to Vaughan & Bushnell Mfg. Co. Ratchet-brace. No. 1,100,070; June 16; Gaz. vol. 203; p. 663.
- Graham, Elias, Hazel Dell, W. C. Turner, H. Foster, and H. M. Grant, Casey; said Grant assignor to W. B. Linn, Martinsville, Ill. Apparatus for dispensing gasoline, &c. No. 1,109,832; Sept. 8; Gaz. vol. 206; p. 384.
- Graham, George, San Francisco, Cal., assignor of one-half to W. T. A. Faulkner, Seattle, Wash. Chain clamp. No. 1,117,662; Nov. 17; Gaz. vol. 208; p. 846.
- Graham, George E., assignor to W. J. Payne, Candor, N. Y. Toilet device. No. 1,106,300; Aug. 4; Gaz. vol. 205; p. 245.
- Graham, James A. (See Harris and Graham.)
- Graham, James M. (See Schenck and Graham.)
- Graham, John, Ibrox, Glasgow, Scotland. Raising and lowering gear for ships' boats. No. 1,099,645; June 9; Gaz. vol. 203; p. 480.
- Graham, John R., Rochester, N. Y. Combination-ladder. No. 1,096,903; May 19; Gaz. vol. 202; p. 668.
- Graham, Joseph A. (See Jobes, Willard S., assignor.)
- Graham & Latham Limited. (See Lean, Clement, assignor.)
- Graham, Leslie B., East Chicago, Ind., assignor of one-half to C. W. Taylor, Chicago, Ill. Power-transmission gearing. No. 1,112,422; Sept. 29; Gaz. vol. 206; p. 1411.
- Graham, Otis G., and A. Kilian, Portland, Oreg. Means for sealing bottles. No. 1,117,371; Nov. 17; Gaz. vol. 208; p. 744.
- Graham, Perry, Blaine, Wash. Tree-felling footboard. No. 1,109,749; Sept. 8; Gaz. vol. 206; p. 356.
- Graham, Perry, assignor of one-third to R. F. Doan and one-third to O. Stevenson, Blaine, Wash. Cant-hook. No. 1,109,217; Sept. 1; Gaz. vol. 206; p. 128.
- Graham, Richard W., Berkeley, Cal. Automatic hydraulic casing-jack. No. 1,104,355; July 21; Gaz. vol. 204; p. 828.
- Graham, Robert H., New York, N. Y. Feed-bag holder. No. 1,105,972; Aug. 4; Gaz. vol. 205; p. 136.
- Graham, Robert S., New York, N. Y. Key for type-writing and other machines. No. 1,084,005; Jan. 13; Gaz. vol. 198; p. 276.
- Graham, Robert S., assignor of one-third to W. E. Graham, New York, and one-third to R. P. Morse, Brooklyn, N. Y. Heel for footwear. No. 1,084,268; Jan. 13; Gaz. vol. 198; p. 366.

Alphabetical list of patentees—Continued.

- Graham, Samuel, Detroit, Mich. Pipe-cleanser. No. 1,110,126; Sept. 8; Gaz. vol. 206; p. 493.
- Graham, Thomas, Chicago, Ill. Reflectoscope. No. 1,086,704; Feb. 10; Gaz. vol. 199; p. 438.
- Graham, Thomas F. (See Gates and Graham.)
- Graham, Tilghman, New York, N. Y. Toy pinwheel. No. 1,091,507; Mar. 31; Gaz. vol. 200; p. 1135.
- Graham, Vernon F., Vandergrift, Pa. Waste-basket extender. No. 1,116,265; Nov. 3; Gaz. vol. 208; p. 271.
- Graham, Wallace S., assignor to The Lancaster Glass Company, Lancaster, Ohio. Adjustable bracket. No. 1,089,337; Mar. 3; Gaz. vol. 200; p. 225.
- Graham, Walter. (See Deimling, John P., assignor.)
- Graham, William E., *et al.* (See Graham, Robert S., assignor.)
- Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Engine gang-plow. No. 1,084,081; Jan. 13; Gaz. vol. 198; p. 303.
- Graham, William S., assignor to Parlin and Orendorff Company, Canton, Ill. Riding-cultivator. No. 1,092,481; Apr. 7; Gaz. vol. 201; p. 125.
- Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Gang-plow. No. 1,119,423; Dec. 1; Gaz. vol. 209; p. 181.
- Graham, William S., assignor to Federal-Huber Company, Chicago, Ill. Closet-flushing apparatus. No. 1,087,940; Feb. 24; Gaz. vol. 199; p. 963.
- Grahl, Gustav de, Zehlendorf, near Berlin, Germany. Apparatus for consuming smoke in locomotive-furnaces. No. 1,095,629; May 5; Gaz. vol. 202; p. 155.
- Grahl, Gustav de, Zehlendorf, Germany. Mechanical stoker for boiler and like furnaces. No. 1,098,565; June 2; Gaz. vol. 203; p. 74.
- Grahl, Gustav de, Zehlendorf, Germany. Mechanical stoker for boiler and like furnaces. No. 1,098,566; June 2; Gaz. vol. 203; p. 74.
- Grahl, Max C., Dresden-Löbtau, assignor to "Universelle" Cigaretten-Maschinen-Industrie System Otto Bergsträsser-Aktiengesellschaft, Dresden, Germany. Treating paper for spiral mouthpieces of cigarettes. No. 1,114,468; Oct. 20; Gaz. vol. 207; p. 805.
- Grahmann, Otto, assignor to A. Vignos, Canton, Ohio. Illuminated sign. No. 1,083,362; Jan. 6; Gaz. vol. 198; p. 34.
- Grahn, Henry. (See Marten, Grahn, and Andersen.)
- Grainger, Charles F., assignor to Grainger and Company, Louisville, Ky. Registering-machine. No. 1,085,413; Jan. 27; Gaz. vol. 198; p. 818.
- Grainger and Company. (See Grainger, Charles F., assignor.)
- Grälert, Karl P. (See Flachslaender, Grälert, and Buff.)
- Grälert, Karl P., M. Buff, and J. Flashslaender, Elberfeld, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Sulfur dyes. No. 1,112,445; Oct. 6; Gaz. vol. 207; p. 10.
- Gralinski, Joseph, New Alexandria, Pa. Screen. No. 1,086,817; Feb. 10; Gaz. vol. 199; p. 478.
- Gramling, Donnie C., Caruthersville, Mo. Cotton-planter. No. 1,087,010; Feb. 10; Gaz. vol. 199; p. 542.
- Gramm, Benjamin A., Lima, Ohio. Power-transmission mechanism. No. 1,109,584; Sept. 1; Gaz. vol. 206; p. 254.
- Grammes, Joseph J., Lakewood, Ohio. Automobile turntable. No. 1,083,609; Jan. 6; Gaz. vol. 198; p. 117.
- Gramser, Jan J. H., Schrans, near Leeuwarden, Netherlands. Marking cheese. No. 1,090,102; Mar. 10; Gaz. vol. 200; p. 538.
- Gran, Albert. (See Bergman and Gran.)
- Grand Manufacturing Company. (See Owen, William A., assignor.)
- Grand Rapids Brass Company. (See Tower, Daniel W., assignor.)
- Grand Rapids Show Case Company. (See Vanderveld, Anthony, assignor.)
- Grand Rapids Textile Machinery Company. (See Pease, Harry C., assignor.)
- Grandits, John, Chicago, Ill. Lock. No. 1,084,082; Jan. 13; Gaz. vol. 198; p. 303.
- Grandland, J. A. (See Lundy, Edward A., assignor.)
- Grandmont, Louis F., Taunton, Mass. Making hollow silverware ornamentals. No. 1,098,567; June 2; Gaz. vol. 203; p. 75.
- Grandstaff, Albert L., Steubenville, Ohio. Hydraulic motor-valve. No. 1,119,274; Dec. 1; Gaz. vol. 209; p. 128.
- Grange, François. (See Borel and Grange.)
- Granger, Alexander, Bulawayo, Rhodesia, South Africa. Pulverizing apparatus. No. 1,111,454; Sept. 22; Gaz. vol. 206; p. 1038.
- Granlund, Adolf, Escanaba, Mich. Stump-extractor. No. 1,112,998; Oct. 6; Gaz. vol. 207; p. 204.
- Grannis, Charles S., assignor to New Process Raw Hide Company, Syracuse, N. Y. Gear-cutting machine. No. 1,097,222; May 19; Gaz. vol. 202; p. 781.
- Granoux, Louis A., Marseille, France. Apparatus for producing electric contacts at adjustable periodic intervals. No. 1,083,486; Jan. 6; Gaz. vol. 198; p. 76.
- Granquist, Joseph, Salt Lake City, Utah. Rowboat-propeller. No. 1,084,798; Jan. 20; Gaz. vol. 198; p. 572.
- Gransaul, Eugene, New York, N. Y. Telephone attachment. No. 1,084,328; Jan. 13; Gaz. vol. 198; p. 386.
- Grant, Albert E., Troy, N. Y., assignor to J. M. Grant, Pittsburgh, Pa. Device for separating metal sheets. No. 1,109,676; Sept. 8; Gaz. vol. 206; p. 330.
- Grant, Alfred, *et al.* (See Valind, Joseph, assignor.)
- Grant Automatic Machine Company. (See Grant, Robert H., assignor.)
- Grant, Basil H., Jamaica, assignor to A. G. Spalding & Bros., New York, N. Y. Polo-bag. No. 1,092,833; Apr. 14; Gaz. vol. 201; p. 279.
- Grant, Bert F. (See Grant, Charles E. and B. F.)
- Grant, Charles E. (See Dulz, Herman, assignor.)
- Grant, Charles E. and B. F., Marion, Ind. Coop. No. 1,096,904; May 19; Gaz. vol. 202; p. 668.
- Grant, Colin, Jackson, Mich. Handle for valises. No. 1,120,051; Dec. 8; Gaz. vol. 209; p. 432.
- Grant, Daniel, assignor of thirty-two and one-third one-hundredths to P. Remington, Hamilton, and thirty-three and one-third one-hundredths to E. Hoffenbrodel, Butte, Mont. Cattle-guard. No. 1,090,979; Mar. 24; Gaz. vol. 200; p. 912.
- Grant, Edward W., assignor of one-half to N. J. Wigginton, Winchester, Va. Spraying-compound mixer. No. 1,122,735; Dec. 29; Gaz. vol. 209; p. 1491.
- Grant, Frank H., St. Clair Heights, Mich. Shingle. No. 1,094,893; Apr. 28; Gaz. vol. 201; p. 1079.
- Grant, George L. (See Kolke and Grant.)
- Grant, Harvey M. (See Graham, Turner and Grant.)
- Grant, Herbert M., Visalia, Cal. Roller-platform for scales. No. 1,103,505; July 14; Gaz. vol. 204; p. 490.
- Grant, John M. (See Grant, Albert E., assignor.)
- Grant, Kellum D. (See Preble and Grant.)
- Grant, Patrick. (See Cummings, Thomas G., assignor.)
- Grant, Richard, Minneapolis, Minn. Eye-shade. No. 1,097,923; May 26; Gaz. vol. 202; p. 1071.
- Grant, Robert H., assignor to Grant Automatic Machine Company, Detroit, Mich. Grinding-machine. No. 1,106,803; Aug. 11; Gaz. vol. 205; p. 469.
- Grant, Robert H., assignor to Grant Automatic Machine Company, Detroit, Mich. Multiple-drilling machine. No. 1,122,910; Dec. 29; Gaz. vol. 209; p. 1554.
- Grant, Robert J., Pittsburgh, Pa. Writing music. No. 1,085,603; Feb. 3; Gaz. vol. 199; p. 9.
- Grant, Robert J., Detroit, Mich. Music-teaching apparatus. No. 1,100,824; June 23; Gaz. vol. 203; p. 976.
- Grant, Robert P., Hartford, Conn. Belt. No. 1,093,263; Apr. 14; Gaz. vol. 201; p. 427.
- Grant, Sidney A., Thompsonville, Conn. Traction-machine. No. 1,118,341; Nov. 24; Gaz. vol. 208; p. 1122.
- Grant, Sidney G., Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Folding-machine. No. 1,116,415; Nov. 10; Gaz. vol. 208; p. 363.
- Grant, Walter. (See White and Grant.)
- Grantham, Edwin H., and J. B. Cornwall, assignors to Barnard and Leas Manufacturing Company, Moline, Ill. Elevator. No. 1,088,564; Feb. 24; Gaz. vol. 199; p. 1174.
- Gräntzdörffer, August, assignor of one-half to A. List, Magdeburg, Germany. Obtaining sugar from molasses. No. 1,095,852; May 5; Gaz. vol. 202; p. 231.
- Granulator Soap Company. (See Evans, Henry R., assignor.)
- Granz, Josef, Plauen, Germany. Mechanism for the transmission of movements. No. 1,118,411; Nov. 24; Gaz. vol. 208; p. 1147.
- Graphite Lubricating Company, The. (See Bache, Leigh S., assignor.)
- Grasberger, Lawrence B., Richmond, Va. Combined cigar-cutter, cigar-lighter, and advertising apparatus. No. 1,085,903; Feb. 3; Gaz. vol. 199; p. 115.
- Grasberger, Lawrence B., Richmond, Va. Combined cigar lighter and cutter. No. 1,112,208; Sept. 29; Gaz. vol. 206; p. 1336.
- Grasley, J. F. (See Worster, Edward T., assignor.)
- Grasselli Chemical Company. (See Lihme, Iens P., assignor.)
- Grasset, Henri, Paris, France. Apparatus for fumigating dental cavities. No. 1,116,056; Nov. 3; Gaz. vol. 208; p. 202.
- Grasso, Alfio, Livorno, Italy. Machine for heating the surface of roads for covering the same with poured asphalt. No. 1,122,384; Dec. 29; Gaz. vol. 209; p. 1369.
- Grasso, Joseph, Philadelphia, Pa. Building construction. No. 1,087,011; Feb. 10; Gaz. vol. 199; p. 542.
- Grasso, Laborio, Biloxi, Miss. Internal-combustion engine. No. 1,086,161; Feb. 3; Gaz. vol. 199; p. 207.
- Grau, Curt, Niederuzwil, Switzerland. Drying apparatus. No. 1,107,294; Aug. 18; Gaz. vol. 205; p. 687.
- Graubarth, Louis M., New York, N. Y. Collar-support. No. 1,083,826; Jan. 6; Gaz. vol. 198; p. 186.
- Graue, Paul W., Chicago, Ill. Thumb-tack lifter and holder. No. 1,101,845; June 30; Gaz. vol. 203; p. 1380.
- Grauheding, Oscar, Dusseldorf, Germany. Telescope gun-sight. No. 1,107,163; Aug. 11; Gaz. vol. 205; p. 595.
- Graul, Otto, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing 2,3-dihalogen-2-methylbutane and homologues thereof. No. 1,102,654; July 7; Gaz. vol. 204; p. 152.

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- Graul, Otto, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing isolefins. No. 1,102,655; July 7; Gaz. vol. 204; p. 153.
- Gravell, James H., assignor to Hale and Kilburn Company, Philadelphia, Pa. Welding-machine. No. 1,084,083; Jan. 13; Gaz. vol. 198; p. 304.
- Gravell, James H., assignor to Hale and Kilburn Company, Philadelphia, Pa. Welding-machine. No. 1,086,041; Feb. 3; Gaz. vol. 199; p. 165.
- Gravell, James H., assignor to Hale and Kilburn Company, Philadelphia, Pa. Welding-machine. No. 1,086,042; Feb. 3; Gaz. vol. 199; p. 166.
- Gravelle, John B., Asbury Park, N. J. Railway-brake. No. 1,108,900; Sept. 1; Gaz. vol. 206; p. 13.
- Gravermoen, Odin, Prairie Farm, Wis. Match-box. No. 1,097,014; May 19; Gaz. vol. 202; p. 706.
- Graves, Albert E., Lenexa, Kans. Electrical egg-tester. No. 1,100,556; June 16; Gaz. vol. 203; p. 830.
- Graves, Alfred E., Boston, Mass., assignor to National Wafer Company. Dumping-machine. No. 1,085,904; Feb. 3; Gaz. vol. 199; p. 115.
- Graves, Alfred E., Boston, Mass., assignor to Package Confectionery Company. Wrapping-machine. No. 1,095,853; May 5; Gaz. vol. 202; p. 231.
- Graves, Alfred E., Boston, Mass., assignor to Package Confectionery Company. Assorting-machine. No. 1,101,124; June 23; Gaz. vol. 203; p. 1081.
- Graves, Alfred E., Boston, Mass., assignor to Package Confectionery Company. Wrapping-machine. No. 1,101,125; June 23; Gaz. vol. 203; p. 1082.
- Graves, Charles C., Newark, N. J., assignor to Western Electric Company, New York, N. Y. Circuit-controlling device. No. 1,100,428; June 16; Gaz. vol. 203; p. 789.
- Graves, Frank J., Springfield, Mass. Sanitary water-closet seat. No. 1,097,015; May 19; Gaz. vol. 202; p. 706.
- Graves, Frank J., Springfield, Mass. Sanitary closet-seat. No. 1,106,647; Aug. 11; Gaz. vol. 205; p. 416.
- Graves, George W., Plainview, Tex. Front rigging for riding-saddles. No. 1,106,648; Aug. 11; Gaz. vol. 205; p. 416.
- Graves, George W., M. McCollman, and A. P. Gibson, Alderson, W. Va. Spring-wheel. No. 1,093,124; Apr. 14; Gaz. vol. 201; p. 379.
- Graves, James C., and A. E. Schaefer, Saginaw West Side, Mich. Production of magnesium chlorid. No. 1,090,125; Mar. 10; Gaz. vol. 200; p. 546.
- Graves, John, Milwaukee, Wis., assignor to T. W. Lacey, Minneapolis, Minn. Electric brush. No. 1,098,666; June 2; Gaz. vol. 203; p. 105.
- Graves, John W., Winthrop, assignor of one-tenth to J. Bridges, Newburyport, and nine-tenths to C. F. Brown, trustee, Reading, Mass. Cotton-gin. No. 1,118,413; Nov. 24; Gaz. vol. 208; p. 1148.
- Graves, John W., assignor of one-thirtieth to C. S. Young, Winthrop, one-tenth to J. Bridges, Newburyport, and twenty-six thirtieths to C. F. Brown, trustee, Reading, Mass. Apparatus for ginning cotton. No. 1,118,412; Nov. 24; Gaz. vol. 208; p. 1148.
- Graves, Nancy E., Knowles, Cal. Knee-rest for crutches. No. 1,120,305; Dec. 8; Gaz. vol. 209; p. 522.
- Graves, Peter S., and J. I. Olivetti, Plattsburg, N. Y. Hot-water dispenser and drinking-glass sterilizer. No. 1,109,414; Sept. 1; Gaz. vol. 206; p. 199.
- Graves, William E., Topeka, Kans. Tire-filler. No. 1,104,886; July 28; Gaz. vol. 204; p. 1061.
- Gravity Railway Signal Company. (See Hudson, Robert F., assignor.)
- Gray, Alexander M., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Dynamo-electric machine. No. 1,086,818; Feb. 10; Gaz. vol. 199; p. 478.
- Gray, Alexander M., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Dynamo-electric machine. No. 1,087,166; Feb. 17; Gaz. vol. 199; p. 647.
- Gray, Almon J., St. Paul, Minn. Bushing. No. 1,088,221; Feb. 24; Gaz. vol. 199; p. 1061.
- Gray, C. W., *et al.* (See Baum, James B., assignor.)
- Gray, Carl C., Wapakoneta, Ohio. Ensilage-harvester. No. 1,121,998; Dec. 22; Gaz. vol. 209; p. 1200.
- Gray, Charles B. (See Teter and Gray.)
- Gray, Charles B., Knoxville, Tenn. Machine for cutting sheet metal. No. 1,098,376; June 2; Gaz. vol. 203; p. 6.
- Gray, Charles B., assignor to C. Kehr, trustee, Knoxville, Tenn. Machine for cutting sheet-form material. No. 1,098,377; June 2; Gaz. vol. 203; p. 7.
- Gray, Charles B., and W. E. Teter, Dallas, Tex. Adjustable headlight for vehicles. No. 1,105,973; Aug. 4; Gaz. vol. 205; p. 136.
- Gray, Charles F., Sierra Madre, Cal., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,115,663; Nov. 3; Gaz. vol. 203; p. 68.
- Gray, Charles F., Sierra Madre, Cal., and F. S. Woodhead, Wortendyke, N. J., assignors to The Singer Manufacturing Company. Sewing-machine. No. 1,111,828; Sept. 29; Gaz. vol. 206; p. 1206.
- Gray, Chester E., Eureka, assignor of one-half to A. Jensen, Oakland, Cal. Process of desiccating. No. 1,107,784; Aug. 18; Gaz. vol. 205; p. 864.
- Gray, Davie A., Chattanooga, Tenn., assignor of one-half to L. A. D. Mercier, New Orleans, La. Spring-wheel. No. 1,086,162; Feb. 3; Gaz. vol. 199; p. 207.
- Gray, Edwin T., New York, and J. J. Dauley, Brooklyn, N. Y. Display apparatus. No. 1,112,901; Oct. 6; Gaz. vol. 207; p. 170.
- Gray Engine Starter Company. (See Gray, Thomas J., assignor.) (Reissue.)
- Gray, Ernest, Logan, Utah. Stop-cock. No. 1,121,825; Dec. 22; Gaz. vol. 209; p. 1138.
- Gray, Ernest, assignor of one-half to W. Kidman, Logan, Utah. Dirigible head-lamp for vehicles. No. 1,121,824; Dec. 22; Gaz. vol. 209; p. 1138.
- Gray, Ernest A., Boston, and E. C. Molina, Arlington, Mass., assignors to American Telephone and Telegraph Company. Telephone central switching system. No. 1,102,907; July 7; Gaz. vol. 204; p. 238.
- Gray, Gardner B., assignor, by mesne assignments, to Automatic Train Control & Signal Company, Pittsburgh, Pa. Electric switch. No. 1,115,810; Nov. 3; Gaz. vol. 208; p. 115.
- Gray, George, Sisseton, S. D. Bed-spring. No. 1,093,402; Apr. 14; Gaz. vol. 201; p. 475.
- Gray, George L., West Palm Beach, Fla., assignor to Waite Grass Carpet Company, Oshkosh, Wis. Feed mechanism for grass-twine machines. No. 1,097,424; May 19; Gaz. vol. 202; p. 850.
- Gray, George M., *et al.* (See Boal, Marion, assignor.)
- Gray, George W., assignor to The Show Card Company, Limited, Wanganui, New Zealand. Means for use in making display-cards and the like. No. 1,116,692; Nov. 10; Gaz. vol. 208; p. 466.
- Gray, Granville H., assignor of one-half to F. W. Steddom, Los Angeles, Cal. Oil-spraying apparatus. No. 1,097,090; May 19; Gaz. vol. 202; p. 736.
- Gray, Granville H., assignor of one-half to F. W. Steddom, Los Angeles, Cal. Apparatus for spraying oil on roads. No. 1,097,091; May 19; Gaz. vol. 202; p. 736.
- Gray, Harry L., Rochester, N. Y. Fire-extinguishing system. No. 1,117,834; Nov. 17; Gaz. vol. 208; p. 907.
- Gray, Henry P. (See Eva, Gray, and Christy.)
- Gray, James A., Malone, N. Y. Train-stopping apparatus. No. 1,117,034; Nov. 10; Gaz. vol. 208; p. 585.
- Gray, James A., San Francisco, Cal., assignor to American Can Company, New York, N. Y. Apparatus for cutting and applying ring-liners to can-covers. No. 1,121,009; Dec. 15; Gaz. vol. 209; p. 818.
- Gray, James H. (See Flowers, George E., assignor.)
- Gray, James H., New York, N. Y. Electric furnace. No. 1,113,778; Oct. 13; Gaz. vol. 207; p. 520.
- Gray, Jesse L., assignor of one-fourth to R. W. Gunn and one-fourth to W. A. S. Thompson, Los Angeles, Cal. Stuffing-box. No. 1,097,127; May 19; Gaz. vol. 202; p. 748.
- Gray, John, Jr., New Orleans, La. Lamp-guard. No. 1,092,708; Apr. 7; Gaz. vol. 201; p. 201.
- Gray, John E., Louisville, Ky. Fastening for splash-boards. No. 1,104,792; July 28; Gaz. vol. 204; p. 1028.
- Gray, John H., Vancouver, British Columbia, Canada. Pneumatic tire. No. 1,120,052; Dec. 8; Gaz. vol. 209; p. 433.
- Gray, Leonidas W., and G. H. Knowles, Rushville, Ill. Coupling for wagons. No. 1,103,042; July 14; Gaz. vol. 204; p. 332.
- Gray, Milton H., Springfield, Ohio. Circuit for electric lighting or power. No. 1,093,615; Apr. 21; Gaz. vol. 201; p. 583.
- Gray National Telautograph Company. (See Tiffany, George S., assignor.)
- Gray, Niel, Jr. (See Wadhams, Darius T., assignor.)
- Gray, Niel, Jr., Oswego, N. Y. Paper-cutting machine. No. 1,084,006; Jan. 13; Gaz. vol. 198; p. 276.
- Gray, Niel, Jr., Oswego, N. Y. Feeding and spacing mechanism for cutting-machines. No. 1,099,174; June 9; Gaz. vol. 203; p. 318.
- Gray, O. H. (See Avelsgard, Richard S., assignor.)
- Gray, Oscar, Little Rock, Ark. Clinical-thermometer case. No. 1,095,854; May 5; Gaz. vol. 202; p. 232.
- Gray, Pembroke S., Boone, Iowa. Sediment collector and retainer. No. 1,098,347; May 26; Gaz. vol. 202; p. 1218.
- Gray Telephone Pay Station Company, The. (See Long, George A., assignor.)
- Gray, Thomas E., Clarksburg, W. Va. Sash-fastener. No. 1,098,378; June 2; Gaz. vol. 203; p. 7.
- Gray, Thomas J., Indianapolis, Ind., assignor to Gray Engine Starter Company. Engine-starter. (Reissue.) No. 13,675; Jan. 13; Gaz. vol. 198; p. 475.
- Gray, Walter B. (See Clayville and Davis, assignors.)
- Gray, Walter J., Jr., Hamilton, Ohio. Manifold device. No. 1,090,912; Mar. 24; Gaz. vol. 200; p. 889.
- Gray, William B., assignor to M. J. Bannon, Louisville, Ky. Separable earthen insulating-pipe conduit. No. 1,110,127; Sept. 8; Gaz. vol. 206; p. 493.
- Gray, William B., assignor to M. J. Bannon, Louisville, Ky. Pipe-support. No. 1,110,128; Sept. 8; Gaz. vol. 206; p. 493.

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- Gray, William B., assignor to M. J. Bannon, Louisville, Ky. Pipe-support. No. 1,110,130; Sept. 8; Gaz. vol. 206; p. 494.
- Gray, William C., assignor of one-half to A. M. Thompson, Rochester, N. Y. Trolley-car headlight. No. 1,120,810; Dec. 15; Gaz. vol. 209; p. 748.
- Gray, William G., Eddyville, Ky. Tobacco-pipe button. No. 1,097,713; May 26; Gaz. vol. 202; p. 995.
- Gray, William H., Eddyville, Iowa. Apple-sorter. No. 1,102,496; July 7; Gaz. vol. 204; p. 96.
- Graybill, Henry S., Reading, Pa. Flush-tank. No. 1,112,789; Oct. 6; Gaz. vol. 207; p. 133.
- Graybill, John E., York, Pa. Shade-support. No. 1,122,911; Dec. 29; Gaz. vol. 209; p. 1554.
- Grayham, Fred F., Big Stone Gap, Va. Oiling device. No. 1,083,532; Jan. 6; Gaz. vol. 198; p. 91.
- Grayson, George H., assignor of one-third to G. W. Schreiber and one-third to J. S. Montgomery, Graysonia, Ark. Combined marker and register. No. 1,083,533; Jan. 6; Gaz. vol. 198; p. 91.
- Grean, Alexandre M., New York, N. Y. Collar-supporter. No. 1,083,398; Jan. 6; Gaz. vol. 198; p. 47.
- Grean, Alexandre M., New York, N. Y. Leg-covering means. No. 1,106,375; Aug. 11; Gaz. vol. 205; p. 317.
- Grean, Alexander M., assignor to Grean Shoulder Form & Pad Company, New York, N. Y. Collar-supporter. No. 1,110,769; Sept. 15; Gaz. vol. 206; p. 758.
- Grean Shoulder Form & Pad Company. (See Grean, Alexander M., assignor.)
- Great Western Mfg. Co. (See Lonn, Edward J., assignor.)
- Greathead, Robert G., Vallejo, Cal. Oil-burner. No. 1,118,278; Nov. 24; Gaz. vol. 208; p. 1099.
- Greathead, Thomas W. (See Scott, Wyatt, and Greathead.)
- Greaves, Benjamin C. H., South Manchester, Conn. Flying-machine. No. 1,085,034; Jan. 20; Gaz. vol. 198; p. 651.
- Greaves, Edwin E., assignor to Crouse-Hinds Company, Syracuse, N. Y. Screw-retaining device. No. 1,105,647; Aug. 4; Gaz. vol. 205; p. 22.
- Greaves, John H., and C. G. Lucas, Newport News, Va. Chuck. No. 1,110,770; Sept. 15; Gaz. vol. 206; p. 758.
- Gredell, Paul P., Quincy, Ill. Grate. No. 1,112,999; Oct. 6; Gaz. vol. 207; p. 204.
- Greden, Andrew. (See Murray, John, assignor.)
- Greeley Printery. (See Harbaugh, Simon J., assignor.)
- Green, Albert L., Mingo Junction, Ohio. Wrench. No. 1,103,408; July 14; Gaz. vol. 204; p. 457.
- Green, Austin A., Brushton, N. Y. Length and width measuring device. No. 1,099,597; June 9; Gaz. vol. 203; p. 465.
- Green, Austin A., Brushton, N. Y. Thill-coupling. No. 1,118,486; Nov. 24; Gaz. vol. 208; p. 1176.
- Green, Charles, Jr., London, England. Water-waste-preventing cistern. No. 1,106,141; Aug. 4; Gaz. vol. 205; p. 195.
- Green, Charles A. (See Pease and Green.)
- Green, Charles A., Portland, Ore. Vehicle-body. No. 1,112,002; Sept. 29; Gaz. vol. 206; p. 1265.
- Green, Charles A., Portland, Ore. Automobile attachment. No. 1,112,003; Sept. 29; Gaz. vol. 206; p. 1265.
- Green, Charles F., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Wind-shield. No. 1,119,505; Dec. 1; Gaz. vol. 209; p. 209.
- Green, Charles G., Toronto, Ontario, Canada. Portable developing-cabinet. No. 1,117,035; Nov. 10; Gaz. vol. 208; p. 585.
- Green, Charles M., Marblehead, assignor to The Walter M. Lowney Company, Boston, Mass. Coating-machine. No. 1,115,426; Oct. 27; Gaz. vol. 207; p. 1191.
- Green, Clarence L. and Z. R., Prescott, Ark. Vehicle top-raiser. No. 1,090,913; Mar. 24; Gaz. vol. 200; p. 889.
- Green, Clyde W., St. John, Wash. Bridle-bit. No. 1,084,329; Jan. 13; Gaz. vol. 198; p. 386.
- Green, Ernest. (See Gunn, Charles H., assignor.)
- Green, Ernest E., Spokane, Wash. Combination-lock. No. 1,091,744; Mar. 31; Gaz. vol. 200; p. 1216.
- Green, Frank C., Pittsfield, Mass., assignor to General Electric Company. System of phase transformation. No. 1,108,745; Aug. 25; Gaz. vol. 205; p. 1243.
- Green, Frank C., Pittsfield, Mass., assignor to General Electric Company. Means for preventing condensation of moisture in transformer-tanks. No. 1,108,746; Aug. 25; Gaz. vol. 205; p. 1244.
- Green, Fred H., San Francisco, Cal. Milk-tank washer and sterilizer. No. 1,094,785; Apr. 28; Gaz. vol. 201; p. 1042.
- Green, Furney F., Coalgate, Okla. Metallic railway-tie. No. 1,110,198; Sept. 8; Gaz. vol. 206; p. 517.
- Green, George D., Chicago, Ill. Automatic coin-controlled scale. No. 1,087,116; Feb. 17; Gaz. vol. 199; p. 630.
- Green, George F., assignor to International Machine Corporation, Richmond, Va. Shoe-polishing machine. No. 1,086,043; Feb. 3; Gaz. vol. 199; p. 166.
- Green, George G., Battelle, Ala. Hand-power hay-baler. No. 1,113,000; Oct. 6; Gaz. vol. 207; p. 204.
- Green, George W. (See Wilson, John E., assignor.)
- Green, George W., Feltham, and J. M. Cater, London, England. Track-cleaner. No. 1,089,636; Mar. 10; Gaz. vol. 200; p. 378.
- Green, Harry B., Woodbury, assignor to The Speed Press Co., Camden, N. J. Sheet separating, registering and feeding apparatus. No. 1,095,726; May 5; Gaz. vol. 202; p. 188.
- Green, Harry B., Woodbury, assignor to The Speed Press Co., Camden, N. J. Sheet-feeding mechanism for printing-presses. No. 1,108,072; Aug. 18; Gaz. vol. 205; p. 962.
- Green, James D., and W. D. Konantz, Arcadia, Kans. Marking and checking attachment for corn-planters. No. 1,111,223; Sept. 22; Gaz. vol. 206; p. 960.
- Green, Job E., *et al.* (See Griffith, Jesse E., assignor.)
- Green, John E., Boston, Mass. Bottle-stopper remover. No. 1,102,497; July 7; Gaz. vol. 204; p. 96.
- Green, John G. (See Barton, Melbourne, Needham, and Green.)
- Green, John R., Oklahoma, Okla. Hydrocarbon-burner. No. 1,098,568; June 2; Gaz. vol. 203; p. 75.
- Green, Jonathan S., Pittsburgh, Pa., assignor to The Westinghouse Machine Company. Elastic-fluid turbine. No. 1,116,815; Nov. 10; Gaz. vol. 208; p. 510.
- Green, Joseph B., assignor to Monarch Engineering Company, Seattle, Wash. Gold-saving device. No. 1,123,188; Dec. 29; Gaz. vol. 209; p. 1653.
- Green, Joshua, London, England. Talking-machine. No. 1,094,067; Apr. 21; Gaz. vol. 201; p. 736.
- Green, Morgan A., Montpelier, Idaho. Freight-car step. No. 1,104,661; July 21; Gaz. vol. 204; p. 934.
- Green, Otto, Gentry, Ark. Disk-sharpener. No. 1,122,736; Dec. 29; Gaz. vol. 209; p. 1492.
- Green, Ralph W., Modesto, Ill. Cycle-lock. No. 1,099,246; June 9; Gaz. vol. 203; p. 344.
- Green, Robert L., Jackson, Mich. Cuspidor-holder. No. 1,101,509; June 23; Gaz. vol. 203; p. 1215.
- Green, Sherman S., Snohomish, Wash. Torpedo and fusee holder. No. 1,105,420; July 28; Gaz. vol. 204; p. 1249.
- Green, T. F., *et al.* (See Allard, Andrew J., assignor.)
- Green, Walter R., Chicago, Ill. Bicycle-stand. No. 1,101,628; June 30; Gaz. vol. 203; p. 1307.
- Green, Willard R., Chicago, Ill., assignor, by mesne assignments, to Wallace Novelty Company, New York, N. Y. Lamp-shade. No. 1,117,131; Nov. 10; Gaz. vol. 208; p. 619.
- Green, Willard R., Chicago, Ill., and A. Fornander, New York, N. Y., assignors, by mesne assignments, to Wallace Novelty Company. Portable electric-lamp support. No. 1,094,409; Apr. 21; Gaz. vol. 201; p. 849.
- Green, William. (See Crusier and Green.)
- Green, William, London, England. Water and steam cock and valve. No. 1,119,948; Dec. 8; Gaz. vol. 209; p. 396.
- Green, William C., Comanche, and H. Hestand, Chickasha, Okla. Carrier and dump for peanut-diggers. No. 1,110,998; Sept. 15; Gaz. vol. 206; p. 837.
- Green, William E., Promise City, Iowa. Number-supporting bracket for automobiles. No. 1,096,834; May 19; Gaz. vol. 202; p. 643.
- Green, William H., Herndon, W. Va. Date-holder. No. 1,101,535; June 30; Gaz. vol. 203; p. 1273.
- Green, William W., Niles, Mich. Automatic regulator for carbureters. No. 1,110,131; Sept. 8; Gaz. vol. 206; p. 495.
- Green, Zack R. (See Green, Clarence L. and Z. R.)
- Greenawalt, Frank H., Pittsburgh, Pa. Hot-air-register attachment. No. 1,113,430; Oct. 13; Gaz. vol. 207; p. 400.
- Greenawalt, John E., Denver, Colo. Oil-burner. No. 1,084,939; Jan. 20; Gaz. vol. 198; p. 618.
- Greenawalt, John E., Denver, Colo. Apparatus for roasting and sintering ores. No. 1,088,818; Mar. 3; Gaz. vol. 200; p. 49.
- Greenawalt, John E., Denver, Colo. Grate for sintering-pans. No. 1,098,035; May 26; Gaz. vol. 202; p. 1110.
- Greenawalt, John E., Denver, Colo. Metallurgical furnace. No. 1,103,196; July 14; Gaz. vol. 204; p. 388.
- Greenawalt, John E., Denver, Colo. Charge-car. No. 1,104,491; July 21; Gaz. vol. 204; p. 875.
- Greenawalt, John E., Denver, Colo. Sintering apparatus. No. 1,110,623; Sept. 15; Gaz. vol. 206; p. 708.
- Greenbaum, James W. (See Klein and Greenbaum.)
- Greenbaum, James W., West Hoboken, N. J. Clip for pens or pencils. No. 1,098,719; June 2; Gaz. vol. 203; p. 124.
- Greenbaum, Oscar, assignor to Langfeld Bros. & Co., Philadelphia, Pa. Bag and bag-frame therefor. No. 1,114,607; Oct. 20; Gaz. vol. 207; p. 850.
- Greenberg, Henry W., *et al.* (See Hunter, Robert, assignor.)
- Greenburg, Albert, Oakville, Pa. Power-transmission mechanism. No. 1,109,218; Sept. 1; Gaz. vol. 206; p. 128.
- Greene, Albert J. (See Seaman, Albert J., assignor.)
- Greene, Ernest R., Hanover, N. H. Life-raft. No. 1,089,338; Mar. 3; Gaz. vol. 200; p. 225.
- Greene, Frederick R. (See Fournia, John, assignor.)

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- Griffen, Frank, assignor of one-half to O. C. Wangeman, Metaline Falls, Wash. Sacking-machine. No. 1,119,693; Dec. 1; Gaz. vol. 209; p. 273.
- Griffey, Albert S., and B. Steinhäuser, Shelbyville, Ind. Film-box. No. 1,121,919; Dec. 22; Gaz. vol. 209; p. 1172.
- Griffin, Alvah M., assignor of one-half to M. O. Hackett, Kansas City, Mo. Electrolytic cell. No. 1,117,185; Nov. 17; Gaz. vol. 208; p. 677.
- Griffin, Anthony J., New York, N. Y. Submarine boat. No. 1,103,958; July 21; Gaz. vol. 204; p. 692.
- Griffin, Arthur L., Middlebury, Ind. Voting-machine. No. 1,109,124; Sept. 1; Gaz. vol. 206; p. 94.
- Griffin, Charles H., Cleburne, Tex. Device for handling marble slabs. No. 1,103,409; July 14; Gaz. vol. 204; p. 458.
- Griffin, Fredrick W., Jacksonville, Fla. Pipe-vise holder. No. 1,113,781; Oct. 13; Gaz. vol. 207; p. 521.
- Griffin, George A., Felton, Minn. Deep-well pump. No. 1,102,908; July 7; Gaz. vol. 204; p. 238.
- Griffin, George E., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,117,664; Nov. 17; Gaz. vol. 208; p. 846.
- Griffin, James C., assignor to Griffin Manufacturing Company, Erie, Pa. Casement and door lock. No. 1,113,331; Oct. 13; Gaz. vol. 207; p. 363.
- Griffin, James J., San Francisco, Cal., and G. M. Peacock, South Yarra, Melbourne, Victoria, Australia. Double-seaming machine. No. 1,090,049; Mar. 10; Gaz. vol. 200; p. 519.
- Griffin, James J., San Francisco, Cal., and G. M. Peacock, South Yarra, Melbourne, Victoria, Australia. Double-seaming machine. No. 1,091,836; Mar. 31; Gaz. vol. 200; p. 1249.
- Griffin, James J., San Francisco, Cal., and G. M. Peacock, South Yarra, Melbourne, Victoria, Australia. Road-vehicle shock-absorber. No. 1,091,884; Mar. 31; Gaz. vol. 200; p. 1266.
- Griffin, Judson M., Detroit, Mich. Brake-shoe. No. 1,093,776; Apr. 21; Gaz. vol. 201; p. 637.
- Griffin Manufacturing Company. (See Griffin, James C., assignor.)
- Griffin, Michael G., Cincinnati, assignor to The Mendel-Drucker Company, Norwood, Ohio. Trunk. No. 1,101,126; June 23; Gaz. vol. 203; p. 1082.
- Griffin, Michael J., Hartford, Conn. Horseshoe. No. 1,091,928; Mar. 31; Gaz. vol. 200; p. 1281.
- Griffin, Samuel P., Laporte, Ind. Truck. No. 1,088,983; Mar. 3; Gaz. vol. 200; p. 107.
- Griffin, Thomas, Fulton, N. Y. Water-heater. No. 1,113,003; Oct. 6; Gaz. vol. 207; p. 205.
- Griffin, Thomas B. (See Mason and Griffin.)
- Griffin, Thomas J., Los Angeles, Cal. Casing-wrench. No. 1,088,819; Mar. 3; Gaz. vol. 200; p. 49.
- Griffin, Thomas J., Los Angeles, Cal. Rotary drilling-rig. No. 1,095,157; Apr. 28; Gaz. vol. 201; p. 1171.
- Griffin, Walter C., Claremont, assignor to G. D. Parker, Riverside, Cal. Fruit-drying machine. No. 1,118,547; Nov. 24; Gaz. vol. 208; p. 1196.
- Griffin, William H., Bishop, Md. Valve. No. 1,092,482; Apr. 7; Gaz. vol. 201; p. 125.
- Griffin, William H., New Boston, Tex. Clothes-pin. No. 1,107,058; Aug. 11; Gaz. vol. 205; p. 556.
- Griffin, Willis F., Cottonwood, Tex. Boll-weevil exterminator. No. 1,109,060; Sept. 1; Gaz. vol. 206; p. 73.
- Griffith, Charles A., Pruden, Tenn. Car-dumping apparatus. No. 1,108,575; Aug. 25; Gaz. vol. 205; p. 1186.
- Griffith, Charles A., Pruden, Tenn. Mine-car-dumping apparatus. No. 1,111,830; Sept. 29; Gaz. vol. 206; p. 1207.
- Griffith, Charles F., Benton, Mo. Shock-absorber. No. 1,118,761; Nov. 24; Gaz. vol. 208; p. 1268.
- Griffith, Charles J., St. Louis, Mo. Railway-crossing. No. 1,114,749; Oct. 27; Gaz. vol. 207; p. 953.
- Griffith, Clarence E., Wrights, Ill. Wrench. No. 1,098,569; June 2; Gaz. vol. 203; p. 75.
- Griffith, Clyde N., New Castle, Pa. Sliding-jaw wrench. No. 1,100,479; June 16; Gaz. vol. 203; p. 805.
- Griffith, David H., Wilmington, Del. Safety device and drain attachment for locomotive-superheaters. No. 1,122,912; Dec. 29; Gaz. vol. 209; p. 1554.
- Griffith, Jesse E., assignor of one-fourth to J. E. Green and one-fourth to D. V. Blater, Albion, Nebr. Grain-shocking machine. No. 1,117,836; Nov. 17; Gaz. vol. 208; p. 908.
- Griffith, John C., Anamosa, Iowa. Cement-block-molding machine. No. 1,096,905; May 19; Gaz. vol. 202; p. 668.
- Griffith, Lawrence, Yonkers, N. Y. Insulated rail-joint. No. 1,107,666; Aug. 18; Gaz. vol. 205; p. 822.
- Griffith, Raymond W., and R. G. Wendland, Milwaukee, Wis.; said Wendland assignor to said Griffith. Chuck. No. 1,119,276; Dec. 1; Gaz. vol. 209; p. 129.
- Griffith, Russell B., assignor, by mesne assignments, to Lineatime Manufacturing Co., Inc., Rochester, N. Y. Copy-holder. No. 1,120,192; Dec. 8; Gaz. vol. 209; p. 482.
- Griffith, William H., Somerville, assignor of one-half to H. L. Reed, Dorchester, Mass. Coupling. No. 1,083,894; Jan. 6; Gaz. vol. 198; p. 205.
- Griffiths, George J., and C. H. Roderick, Woodstock, assignors to The Oliver Typewriter Company, Chicago, Ill. Ribbon-actuating mechanism for type-writers. No. 1,110,132; Sept. 8; Gaz. vol. 206; p. 495.
- Griffiths, Guy D., Acme, Alberta, Canada. Gearing. No. 1,087,117; Feb. 17; Gaz. vol. 199; p. 630.
- Griffiths, John, Ansonia, assignor of one-half to A. F. Hayward, Bethel, Conn. Moving-picture machine. No. 1,099,356; June 9; Gaz. vol. 203; p. 383.
- Griffiths, Samuel M., Binghamton, N. Y. Combination base and counter flashing. No. 1,105,422; July 28; Gaz. vol. 204; p. 1250.
- Griffiths, William U., Philadelphia, Pa. Valve-operating mechanism for water-closets. No. 1,104,887; July 28; Gaz. vol. 204; p. 1061.
- Griffiths, William U., Philadelphia, Pa. Water-closet apparatus. No. 1,104,888; July 28; Gaz. vol. 204; p. 1062.
- Griffiths, William U., Philadelphia, Pa. Compound-lever ball-cock for water-closets. No. 1,112,533; Oct. 6; Gaz. vol. 207; p. 43.
- Griffitt, Emanuel, Trion, Ga. Trough. No. 1,086,163; Feb. 3; Gaz. vol. 199; p. 208.
- Grigg, Robert C., Kingston, Ark. Grain-drill. No. 1,101,695; June 30; Gaz. vol. 203; p. 1329.
- Grigsby, Bertram J., London, England, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric-lamp-supporting device. No. 1,121,827; Dec. 22; Gaz. vol. 209; p. 1139.
- Grigsby, Pete. (See Dixon and Grigsby.)
- Grikscheit, William, New York, N. Y. Game apparatus. No. 1,121,353; Dec. 15; Gaz. vol. 209; p. 937.
- Grillet, Leon V., and J. B. Truchetet, Paris, France. Electrical generating system. No. 1,104,793; July 28; Gaz. vol. 204; p. 1028.
- Grim, George G., Rochester, N. Y. Pie trimming and crimping machine. No. 1,113,616; Oct. 13; Gaz. vol. 207; p. 462.
- Grimaldi, Mario, Rome, Italy. Blade for railway-switches. No. 1,088,567; Feb. 24; Gaz. vol. 199; p. 1175.
- Grime, Thomas, assignor to Nashawena Mills, New Bedford, Mass. Leno-weaving. No. 1,095,176; Apr. 28; Gaz. vol. 201; p. 1179.
- Grimes, Alvah E., Norwich, Conn. Firearm. No. 1,113,212; Oct. 13; Gaz. vol. 207; p. 320.
- Grimes, Early T., Enterprise, Ala. Plow-scraper-setting tool. No. 1,111,896; Sept. 29; Gaz. vol. 206; p. 1232.
- Grimes, Gainford, Lakeview, assignor of one-half to B. S. Radcliff, Medford, Oreg. Plow attachment. No. 1,089,637; Mar. 10; Gaz. vol. 200; p. 378.
- Grimes, James B., assignor to The Ingle System Company, Dayton, Ohio. Coin-receptacle. No. 1,110,771; Sept. 15; Gaz. vol. 206; p. 759.
- Grimes, James W., *et al.* (See Ela, Jonathan C., assignor.)
- Grimes, James W., Springfield, Ohio, assignor of one-half to C. D. Rawson, Des Moines, Iowa. Fireproof and wood-preserving paint. No. 1,113,782; Oct. 13; Gaz. vol. 207; p. 521.
- Grimes, John W., Tyler, Tex. Detachable blade-connecting device for tools. No. 1,104,987; July 28; Gaz. vol. 204; p. 1095.
- Grimes, Leon. (See Hammond, Walter F., assignor.)
- Grimes, Lewis E. (See Gallagher and Grimes.)
- Grimes, Michael I., Winthrop, Mass. Electrically-heated flat-iron. No. 1,083,534; Jan. 6; Gaz. vol. 198; p. 91.
- Grimes, Thaddeus S., Columbus, Ga. Means for operating hydraulic presses. No. 1,120,474; Dec. 8; Gaz. vol. 209; p. 583.
- Grimm, Charles, *et al.* (See Robinson, Arthur J., assignor.)
- Grimm, Charles F., Le Roy, Minn. Solder. No. 1,093,403; Apr. 14; Gaz. vol. 201; p. 475.
- Grimm, Frank C., Cleveland, Ohio. Sanitary locking bottle-holder. No. 1,107,667; Aug. 18; Gaz. vol. 205; p. 822.
- Grimm, Gustave A. (See Jory and Grimm.)
- Grimm, Robert B., Pittsburgh, Pa. Water-closet valve. No. 1,087,910; Feb. 17; Gaz. vol. 199; p. 905.
- Grimsdale, William H., Twickenham, assignor to Grimsdale's Patents Limited, London, England. Mechanical piano-player and like instrument. No. 1,090,050; Mar. 10; Gaz. vol. 200; p. 520.
- Grimsdale's Patents Limited. (See Grimsdale, William H., assignor.)
- Grinde, Raymond, Waunakee, Wis. Shovel attachment for tobacco cultivation. No. 1,085,204; Jan. 27; Gaz. vol. 198; p. 745.
- Grindel, Erich, Bremen, Germany, assignor to General Electric Company. Motor-car. No. 1,091,745; Mar. 31; Gaz. vol. 200; p. 1216.
- Grinden Art Metal Company. (See Parish, Harold F., assignor.)
- Griner, Harry B., Philadelphia, Pa. Attachment for pneumatic riveters and similar tools. No. 1,097,545; May 19; Gaz. vol. 202; p. 891.
- Griner, Harry B., Philadelphia, Pa. Attachment for pneumatic riveters. No. 1,098,249; May 26; Gaz. vol. 202; p. 1182.

Alphabetical list of patentees—Continued.

- Grings, Casper H., Waterloo, Iowa. Harness-saddle. No. 1,083,738; Jan. 6; Gaz. vol. 198; p. 160.
- Grinnell, Harold D., Pittsfield, Mass. Induction-coil casing. No. 1,117,837; Nov. 17; Gaz. vol. 208; p. 908.
- Grinnell Washing Machine Company. (See Lewis, George W., assignor.)
- Grip Nut Company. (See Flint, Louis J., assignor.)
- Grip Nut Company. (See Hibbard, Edward R., assignor.)
- Grisingher, Frank W., Guadalupe, Cal. Traction device for wheels. No. 1,114,983; Oct. 27; Gaz. vol. 207; p. 1037.
- Griswold, Alice H., *et al.* (See Yates and Griswold, assignors.)
- Griswold, Giles H. and S., Tennessee, Ill. Fence-post. No. 1,098,252; May 26; Gaz. vol. 202; p. 1184.
- Griswold, Harrison. (See Yates and Griswold.)
- Griswold, Harry J., Bayside, Cal. Tire. No. 1,088,820; Mar. 3; Gaz. vol. 200; p. 50.
- Griswold Manufacturing Company. (See Monahan, Daniel J., assignor.)
- Griswold, Samuel. (See Griswold, Giles H. and S.)
- Griswold, Thomas, Jr., and C. J. Strosacker, assignors to The Midland Chemical Company, Midland, Mich. Making chloroform. No. 1,101,025; June 23; Gaz. vol. 203; p. 1048.
- Grizzard, Henry E., Franklin, Va. Envelop-opening device. No. 1,093,695; Apr. 21; Gaz. vol. 201; p. 613.
- Grob, Hugo, Furstenwalde, Germany. Drive mechanism. No. 1,107,196; Aug. 11; Gaz. vol. 205; p. 606.
- Grob, Jakob, New York, N. Y., and C. Keller, Weehawken, N. J. Cutting-out machine for embroideries. No. 1,085,979; Feb. 3; Gaz. vol. 199; p. 143.
- Grob, Julius, Horgen, Switzerland. Heddle. No. 1,107,296; Aug. 18; Gaz. vol. 205; p. 688.
- Groce, George H., Chicago, Ill., assignor to General Railway Signal Company, Gates, N. Y. Selective apparatus. No. 1,085,036; Jan. 20; Gaz. vol. 198; p. 651.
- Groebl, Joseph A., New York, N. Y. Cloth-reeling device for embroidering-machines. No. 1,116,693; Nov. 10; Gaz. vol. 208; p. 466.
- Groehn, Otto J., assignor to Briscoe Manufacturing Company, Detroit, Mich. Sheet-metal punching and forming machine. No. 1,086,525; Feb. 10; Gaz. vol. 199; p. 375.
- Groehn, Otto J., assignor to Briscoe Manufacturing Company, Detroit, Mich. Filler-cap. No. 1,087,167; Feb. 17; Gaz. vol. 199; p. 647.
- Groehn, Otto J., assignor to Briscoe Manufacturing Company, Detroit, Mich. Multiple-tube-forming mechanism. No. 1,112,695; Oct. 6; Gaz. vol. 207; p. 102.
- Groehn, Otto J., assignor to Briscoe Manufacturing Company, Detroit, Mich. Machine for flanging sheet metal. No. 1,112,696; Oct. 6; Gaz. vol. 207; p. 102.
- Groene, William F. (See Le Blond and Groene.)
- Groetschel, Julius, Vogtland, Germany. Shuttle embroidering-machine. No. 1,112,131; Sept. 29; Gaz. vol. 206; p. 1308.
- Grogan, Edward W., Byers, Tex. Automatic door-closer. No. 1,092,041; Mar. 31; Gaz. vol. 200; p. 1316.
- Groh, Albert. (See Peake, Carl H., assignor.)
- Groh, Robert C., St. Paul, assignor of one-half to R. Steinmetz, Minneapolis, Minn. Moving-picture machine. No. 1,113,617; Oct. 13; Gaz. vol. 207; p. 463.
- Grohal, Frynk. (See Kozlowski and Grohal.)
- Grohmann, Carl L. (See Hanson and Grohmann.)
- Grohn, Henry P. (See Kenney and Grohn.)
- Groll, Charles P. (See Groll, William F. and C. P.)
- Groll, William E. (See Shimmelfennig, Joseph, assignor.)
- Groll, William F. and C. P., Waldo, Ohio. Means for starting internal-combustion engines. No. 1,104,356; July 21; Gaz. vol. 204; p. 828.
- Groneman, Carl W., Chicago, Ill. Timer. No. 1,084,576; Jan. 13; Gaz. vol. 198; p. 466.
- Grönlund, Karl G. W., Skara, Sweden. Refrigerator. No. 1,118,648; Nov. 24; Gaz. vol. 208; p. 1230.
- Groom, Archie L., White River, S. D. Train-order holder. No. 1,117,665; Nov. 17; Gaz. vol. 208; p. 847.
- Groom, Jacob, assignor to Dexter Folder Company, Pearl River, N. Y. Sheet-deflecting device. No. 1,104,663; July 21; Gaz. vol. 204; p. 935.
- Groover, Frasure E., Los Angeles, Cal. Mechanism for presses. No. 1,084,735; Jan. 20; Gaz. vol. 198; p. 550.
- Gros, Claude F., Puteaux, France. Running-gear for automobile vehicles. No. 1,106,705; Aug. 11; Gaz. vol. 205; p. 435.
- Gros, George, assignor to S. G. Mandalian and E. A. Hawkins, North Attleboro, Mass. Machine for making coat-of-mail fabric. No. 1,087,941; Feb. 24; Gaz. vol. 199; p. 963.
- Gros, Philip, San Francisco, Cal. Varnish-cleaning composition. No. 1,096,427; May 12; Gaz. vol. 202; p. 463.
- Grose, David S., Findlay, Ohio. Autoplow. No. 1,115,666; Nov. 3; Gaz. vol. 208; p. 69.
- Grose, John A., Sioux Falls, S. D. Automobile-railway. No. 1,106,507; Aug. 11; Gaz. vol. 205; p. 366.
- Groseclose, Albert K., *et al.* (See Johnson, Jacob G., assignor.)
- Grosert, Thomas, New York, N. Y. Hair-waver. No. 1,085,083; Jan. 20; Gaz. vol. 198; p. 666.
- Grosert, Thomas, and E. Unger, New York, N. Y.; said Grosert assignor to said Unger. Hair-steaming device. No. 1,103,506; July 14; Gaz. vol. 204; p. 491.
- Groset, John P., Seattle, Wash. Pastry-baking machine. No. 1,122,913; Dec. 29; Gaz. vol. 209; p. 1555.
- Grosjean, Samuel S., New Orleans, La. Sterilizer. No. 1,098,570; June 2; Gaz. vol. 203; p. 75.
- Grosky, Louis J., Cleveland, Ohio. Rubber footwear. No. 1,105,270; July 28; Gaz. vol. 204; p. 1194.
- Gross, Andrew S., Fremont, Nebr. Railway block-signal system. No. 1,099,795; June 9; Gaz. vol. 203; p. 532.
- Gross Company, The. (See Gross, John, assignor.)
- Gross, Court K. F. L., Christiania, Norway. Manufacturing synthetic caoutchouc. No. 1,090,847; Mar. 24; Gaz. vol. 200; p. 866.
- Gross, Court K. F. L., Christiania, Norway. Manufacturing synthetic isoprene. No. 1,099,498; June 9; Gaz. vol. 203; p. 430.
- Gross, Edward L., assignor of one-half to J. I. Kopperl and one-half to C. F. Eiker, Chicago, Ill. Spraying apparatus or the like. No. 1,086,819; Feb. 10; Gaz. vol. 199; p. 478.
- Gross, Edward L., assignor of one-half to J. I. Kopperl and one-half to C. F. Eiker, Chicago, Ill. Air-purifier. No. 1,089,548; Mar. 10; Gaz. vol. 200; p. 348.
- Gross, Elam A., Camden, N. J. Planting implement. No. 1,106,203; Aug. 4; Gaz. vol. 205; p. 216.
- Gross, Elam A., Camden, N. J. Holder. No. 1,106,204; Aug. 4; Gaz. vol. 205; p. 216.
- Gross, Harry E. (See Profeto and Gross.)
- Gross, Jacob, New York, N. Y. Overshoe attachment. No. 1,119,277; Dec. 1; Gaz. vol. 209; p. 129.
- Gross, John, assignor to The Gross Company, Carroll, Iowa. Draft-equalizer. No. 1,120,711; Dec. 15; Gaz. vol. 209; p. 713.
- Gross, Joseph, Chicago, Ill. Sad-iron. No. 1,106,649; Aug. 11; Gaz. vol. 205; p. 417.
- Gross, Marion, Little Birch, W. Va. Shoemaker's collapsible work-bench. No. 1,085,679; Feb. 3; Gaz. vol. 199; p. 35.
- Gross, William. (See Sprague, Horace M., assignor.)
- Grossman, Daniel R., Los Angeles, Cal. Furniture construction. No. 1,101,276; June 23; Gaz. vol. 203; p. 1133.
- Grossman, David, New York, N. Y. Folding bicycle. No. 1,096,504; May 12; Gaz. vol. 202; p. 489.
- Grossmann, Julius, Westchester, N. Y. Lock. No. 1,107,297; Aug. 18; Gaz. vol. 205; p. 688.
- Grosvenor, Herbert J. (See Bechtold and Grosvenor.)
- Grosvenor, Herbert J. (See Corey and Grosvenor.)
- Grosvenor, William M., Grantwood, N. J. Drying system. No. 1,119,011; Dec. 1; Gaz. vol. 209; p. 38.
- Grote, Conrad A., St. Louis, Mo. Bullet. No. 1,114,878; Oct. 27; Gaz. vol. 207; p. 1000.
- Grotenhuis, Edward J. te. (See Jordan and Grotenhuis.)
- Grotte, Charles, Yelton, Okla. Attachment for motor-vehicles. No. 1,091,746; Mar. 31; Gaz. vol. 200; p. 1217.
- Grotte, Otto, Jersey City, N. J. Process and product of treating sulfite pulp-digester liquor. No. 1,087,911; Feb. 17; Gaz. vol. 199; p. 906.
- Grotz, Charles A. (See Tryon and Grotz.)
- Groupe, Charles G. G., Jersey Shore, Pa. Agricultural apparatus. No. 1,113,431; Oct. 13; Gaz. vol. 207; p. 400.
- Grove, Edwin W. (See Crumbaugh, George P., assignor.)
- Grove, George F., Madison township, Montgomery county, Ohio. Automobile transmission-gear. No. 1,092,211; Apr. 7; Gaz. vol. 201; p. 30.
- Grove, Louis L., St. Louis county, Mo. Burglar-alarm window-lock. No. 1,120,613; Dec. 8; Gaz. vol. 209; p. 632.
- Grove, Robert E. L., Dickson, Tenn. Churn. No. 1,094,849; Apr. 28; Gaz. vol. 201; p. 1065.
- Grover, Albert D., Malden, and E. E. Barber, Boston, assignors, by mesne assignments, to A. P. Browne, Cambridge, Mass. Coin-control for motor-vehicles. No. 1,086,044; Feb. 3; Gaz. vol. 199; p. 167.
- Grover, Albert D., Malden, and E. E. Barber, Boston, Mass., assignors to Autosales Gum & Chocolate Company, New York, N. Y. Coin-testing device for coin-controlled machines. No. 1,103,197; July 14; Gaz. vol. 204; p. 389.
- Grover, Frederick, assignor to The Forgrove Machinery Company Limited, Leeds, England. Tablet-wrapping machine. No. 1,110,133; Sept. 8; Gaz. vol. 206; p. 496.
- Grover, Jesse, Rockerville, S. D. Rein-ring. No. 1,087,488; Feb. 17; Gaz. vol. 199; p. 761.
- Groves, Frederick A., Cape Girardeau, Mo. Trussed axle. No. 1,120,933; Dec. 15; Gaz. vol. 209; p. 792.
- Grower, George G., Ansonia, Conn. Shuttle-motion. No. 1,083,827; Jan. 6; Gaz. vol. 198; p. 186.
- Grube-Meyering Trunk Company. (See Meyering, Julius V., assignor.)
- Grube, William J., Delaware, Ohio. Lubricating vehicle-hubs. No. 1,090,530; Mar. 17; Gaz. vol. 200; p. 730.
- Gruber, Edward, assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Running-board. No. 1,091,214; Mar. 24; Gaz. vol. 200; p. 995.
- Gruber, Louis, assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,108,901; Sept. 1; Gaz. vol. 206; p. 13.

Alphabetical list of patentees—Continued.

- Grubman, Leo, New York, N. Y. Means for preventing sparking in electrical devices. No. 1,107,932; Aug. 18; Gaz. vol. 205; p. 912.
- Gruen, Henry, New York, N. Y. Submarine camera. No. 1,122,104; Dec. 22; Gaz. vol. 209; p. 1236.
- Gruenberg, Raoul J. (See Lyons and Gruenberg.)
- Gruenenfelder, Lawrence, Pierron, Ill. Metallic railway-tie. No. 1,083,487; Jan. 6; Gaz. vol. 198; p. 76.
- Gruenewald, Fredrick J. (See Sheeley and Gruenewald.)
- Gruenfeldt, Emil, Cleveland, Ohio. Making controllers, controllers, and parts thereof. No. 1,119,012; Dec. 1; Gaz. vol. 209; p. 39.
- Gruenfeldt, Emil, assignor to The Baker Motor Vehicle Company, Cleveland, Ohio. Motor-vehicle construction. No. 1,110,134; Sept. 8; Gaz. vol. 206; p. 496.
- Gruenfeldt, Emil, assignor to The Baker Motor Vehicle Company, Cleveland, Ohio. Motor-vehicle construction. No. 1,110,199; Sept. 8; Gaz. vol. 206; p. 517.
- Gruenhagen, Henry. (See Webster, Ernest C., assignor.)
- Gruening, Edward, assignor of one-half to F. J. Treuhelt and G. E. Forster, Cincinnati, Ohio. Automatic gas-valve for down-spouts. No. 1,103,043; July 14; Gaz. vol. 204; p. 332.
- Gruenstern, Albert, Everett, Wash. Washboiler. No. 1,103,671; July 14; Gaz. vol. 204; p. 553.
- Gruenwald, Teodoro, Genoa, Italy. Fluid-jet blower. No. 1,097,314; May 19; Gaz. vol. 202; p. 814.
- Gruetter, John R., assignor to The Loew Manufacturing Company, Cleveland, Ohio. Bottle-cleaning apparatus. No. 1,110,927; Sept. 15; Gaz. vol. 206; p. 815.
- Gruetzman, Gustav, Arpin, Wis. Combination adjustable track gage and level. No. 1,098,253; May 26; Gaz. vol. 202; p. 1184.
- Grumme, Frederick, Indianapolis, Ind. Sanitary drinking-fountain. No. 1,109,219; Sept. 1; Gaz. vol. 206; p. 129.
- Grumstrup, Waldo N., assignor to Anderson Furniture Co., Clinton, Iowa. Extension-table. No. 1,096,906; May 19; Gaz. vol. 202; p. 669.
- Grundstein, Julius, assignor to Maschinenfabrik Lorenz, Ettlingen, Germany. Gear-cutting machine. No. 1,105,649; Aug. 4; Gaz. vol. 205; p. 22.
- Grundstrom, John, Bullrun, Oreg. Carpenter's triangle. No. 1,106,205; Aug. 4; Gaz. vol. 205; p. 216.
- Gruner, Ward, Coldwater, Mich. Road-scraper. No. 1,088,414; Feb. 24; Gaz. vol. 199; p. 1126.
- Grunow, Charles, Sheboygan, Wis. Automatic railway-gate. No. 1,101,922; June 30; Gaz. vol. 203; p. 1407.
- Grus, William, Jr., Chicago, Ill. Leaf-spring lubricator. No. 1,121,354; Dec. 15; Gaz. vol. 209; p. 938.
- Grushlaw, Samuel, Philadelphia, Pa. Pocket for sweaters. No. 1,092,144; Apr. 7; Gaz. vol. 201; p. 7.
- Grusong, Henry, Cresson, Pa. Wheel-mount. No. 1,093,264; Apr. 14; Gaz. vol. 201; p. 427.
- Grüter, Reinhold, Charlottenburg, and H. Pohl, Biebrich, assignors to Chemische Werke vorm. Dr. Heinrich Byk, Lebnitz-Nordbahn, Germany. Manufacture of lactid. No. 1,095,205; May 5; Gaz. vol. 202; p. 11.
- Gruver, George W., Bakersfield, Cal. Chain wrench. No. 1,086,323; Feb. 3; Gaz. vol. 199; p. 258.
- Gruver, Joseph H., Baltimore, assignor of one-half to F. Norris, Jr., Raspeburg, Md. Non-refillable bottle. No. 1,104,420; July 21; Gaz. vol. 204; p. 849.
- Gruver, Joseph H., Baltimore, assignor of one-half to F. Norris, Jr., Raspeburg, Md. Non-refillable-bottle stopper. No. 1,104,421; July 21; Gaz. vol. 204; p. 850.
- Gruwell, Felix, and J. T. McCann, Tuolumne, Cal. Brace. No. 1,121,999; Dec. 22; Gaz. vol. 209; p. 1200.
- Grzywinski, Teofil, Penfield, Pa. Window-screen. No. 1,117,838; Nov. 17; Gaz. vol. 208; p. 908.
- Gsell, Henry A., Paris, France. Apparatus for measuring off matches for machines for packing matches in boxes. No. 1,096,299; May 12; Gaz. vol. 202; p. 420.
- Gsell, Henry A., Paris, France. Apparatus for discharging matches. No. 1,102,498; July 7; Gaz. vol. 204; p. 96.
- Gsell, Henry A., Paris, France. Apparatus for measuring off matches for machines for packing matches in boxes. No. 1,107,059; Aug. 11; Gaz. vol. 205; p. 556.
- Gsell, Henry A., Paris, France. Match-making machine. No. 1,107,060; Aug. 11; Gaz. vol. 205; p. 557.
- Guasco, André, Paris, France. Inflammable-gas indicator. No. 1,089,050; Mar. 3; Gaz. vol. 200; p. 128.
- Guastavino, Rafael. (See Sabine and Guastavino.)
- Guay, Emile J., Lynn, Mass., assignor to General Electric Company. Electromagnet. No. 1,091,650; Mar. 31; Gaz. vol. 200; p. 1184.
- Gubelman, William S., Buffalo, N. Y. Coaster-brake. No. 1,102,402; July 7; Gaz. vol. 204; p. 63.
- Gubelmann, Josef A., Rapperswil, Switzerland. Loom-shuttle. No. 1,099,357; June 9; Gaz. vol. 203; p. 383.
- Gubing, Frank, assignor to Yankee Wizard Clock Company, New York, N. Y. Intermittent-alarm mechanism for clocks. No. 1,101,536; June 30; Gaz. vol. 203; p. 1273.
- Guderjahn, Henry, Westfield, Wis. Dirigible headlight for vehicles. No. 1,087,760; Feb. 17; Gaz. vol. 199; p. 855.
- Guderjahn, Henry, Westfield, Wis. Railway-tie. No. 1,089,211; Mar. 3; Gaz. vol. 200; p. 185.
- Gudmand-Hoyer, Julius V., assignor of one-half to H. H. La Vercombe, Detroit, Mich. Truing gears. No. 1,111,064; Sept. 22; Gaz. vol. 206; p. 905.
- Guedry, Joseph E., St. Amant, La. Clock. No. 1,088,896; Mar. 3; Gaz. vol. 200; p. 76.
- Guelich, Charles E., Kingston, Pa. Drier for portable asphalt-machines. No. 1,090,206; Mar. 17; Gaz. vol. 200; p. 615.
- Guelich, Charles E., Chicago, Ill. Portable machine for treating asphalt, mastic, and related materials. No. 1,117,561; Nov. 17; Gaz. vol. 208; p. 809.
- Guenette, Leoda, Fitchburg, Mass. Clothes-pin. No. 1,109,984; Sept. 8; Gaz. vol. 206; p. 440.
- Gueniffet, Julien, and J. Nicault, assignors to Societe Anonyme des Usines A. E. Decouffe, Paris, France. Cigarette tube and mouthpiece machine. No. 1,090,472; Mar. 17; Gaz. vol. 200; p. 710.
- Guenther, Edward, West New York, N. J. Circulating-pump mechanism for exerting pressure. No. 1,093,696; Apr. 21; Gaz. vol. 201; p. 613.
- Guéret, André L. P., Paris, France. Internal-combustion engine. No. 1,116,266; Nov. 3; Gaz. vol. 208; p. 272.
- Guerin, Edmond, Maisonneuve, Quebec, Canada. Fluid-pressure motor. No. 1,119,425; Dec. 1; Gaz. vol. 209; p. 181.
- Guerne, Alfred A., Kalamazoo, Mich. Harrow. No. 1,103,284; July 14; Gaz. vol. 204; p. 417.
- Guernsey, Amelia, North Bay, Ontario, Canada. Caster. No. 1,121,494; Dec. 15; Gaz. vol. 209; p. 986.
- Guerra, Gustavo, Washington, D. C. Transmission mechanism for motor-vehicles. No. 1,084,084; Jan. 13; Gaz. vol. 198; p. 304.
- Guerrero, Edmundo, Antigua, Guatemala. Hydraulic ram. No. 1,098,720; June 2; Gaz. vol. 203; p. 124.
- Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,088,415; Feb. 24; Gaz. vol. 199; p. 1126.
- Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,088,697; Mar. 3; Gaz. vol. 200; p. 9.
- Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,088,698; Mar. 3; Gaz. vol. 200; p. 10.
- Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,116,416; Nov. 10; Gaz. vol. 208; p. 364.
- Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Type or matrix. No. 1,120,614; Dec. 8; Gaz. vol. 209; p. 632.
- Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric switch. No. 1,108,359; Aug. 25; Gaz. vol. 205; p. 1110.
- Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric door-opener. No. 1,121,090; Dec. 15; Gaz. vol. 209; p. 847.
- Güttler, Fritz, Frankfort-on-the-Main, Germany. Paper-comminuting machine. No. 1,090,914; Mar. 24; Gaz. vol. 200; p. 889.
- Guffee, John A., Fort Worth, Tex., assignor to Main Belting Company, Philadelphia, Pa. Combined point and bolt for belts. No. 1,115,307; Oct. 27; Gaz. vol. 207; p. 1151.
- Guggenheim, Edgar, assignor to M. W. Schloss Mfg. Co., New York, N. Y. Supporting-belt. No. 1,104,664; July 21; Gaz. vol. 204; p. 935.
- Guggolz, John F., Teague, Tex. Gas-producer. No. 1,097,715; May 26; Gaz. vol. 202; p. 996.
- Gubrauer, Ferdinand. (See Hay and Gubrauer.)
- Guiberson, Samuel A., San Francisco, Cal. Well-casing spear. No. 1,099,358; June 9; Gaz. vol. 203; p. 383.
- Guiberson, Samuel A., Jr. (See Vroman, Smith, assignor.)
- Guiberson, Samuel A., Jr., San Francisco, Cal. Pipe and casing tongs. No. 1,112,604; Oct. 6; Gaz. vol. 207; p. 69.
- Guiberson, Samuel A., Jr., San Francisco, Cal. Casing-elevator. No. 1,112,605; Oct. 6; Gaz. vol. 207; p. 70.
- Guibord, Leonard L. (See Powers and Guibord.)
- Guldry, Ambrose J., assignor of one-third to J. May and one-third to C. Landry, New Orleans, La. Resilient composition. No. 1,117,839; Nov. 17; Gaz. vol. 208; p. 909.
- Guldugli, Vincenzo, Chicago, Ill. Dough-apportioning machine. No. 1,116,057; Nov. 3; Gaz. vol. 208; p. 202.
- Guier, John F., Oneonta, N. Y. Hub-liner. No. 1,087,761; Feb. 17; Gaz. vol. 199; p. 855.
- Guiffre, Gaetano, Capitol View, Md. Non-slipping low shoe. No. 1,110,624; Sept. 15; Gaz. vol. 206; p. 708.
- Guignard, Gaston P., Melun, and H. L. A. M. Watrigant, Lille, France. Extraction of glycerin and fatty matters contained in distillery-vinasses. No. 1,092,791; Apr. 7; Gaz. vol. 201; p. 229.
- Guilbert, Gaston V. J., Paris, France. Mechanical movement. No. 1,089,762; Mar. 10; Gaz. vol. 200; p. 421.
- Guild, David S., Jr. (See Guild, George R., assignor.)
- Guild, George R., U. S. Army. Railway block-signal and train-controlling system. No. 1,095,982; May 5; Gaz. vol. 202; p. 274.
- Guild, George R., assignor of one-half to W. J. Browne, Fort Bayard, N. Mex. Train controlling and stopping system. No. 1,106,092; Aug. 4; Gaz. vol. 205; p. 178.

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- Guild, George R., U. S. Army, assignor to D. S. Guild, Jr., Kirkwood, Mo. Range-finder for small-arms. No. 1,117,999; Nov. 24; Gaz. vol. 208; p. 1003.
- Guiles, Daniel W., Tacoma, Wash. Floor-drain. No. 1,117,036; Nov. 10; Gaz. vol. 208; p. 586.
- Guilford, Dudley, Lansdowne, Pa. Apparatus for arresting gold and other precious material. No. 1,088,416; Feb. 24; Gaz. vol. 199; p. 1126.
- Guilford, Wilhelminia M. (See Guilford, William C. J., assignor.)
- Guilford, William C. J., assignor to W. M. Guilford, Washington, D. C. Impression device for dental use. No. 1,093,125; Apr. 14; Gaz. vol. 201; p. 379.
- Guill, Charles W., Phoenix, Ariz. Signaling device. No. 1,112,286; Sept. 29; Gaz. vol. 206; p. 1363.
- Guillaume, Charles E., Sèvres, France, assignor to Société des Fabriques de Spiraux Réunies, La Chaux-de-Fonds, Switzerland. Balance-spring having elasticity increasing with a rise in temperature. No. 1,106,206; Aug. 4; Gaz. vol. 205; p. 216.
- Guillaume, Charles E., Sèvres, France, assignor to Société des Fabriques de Spiraux Réunies, La Chaux-de-Fonds, Switzerland. Balance-spring having elasticity increasing with rise in temperature. No. 1,106,207; Aug. 4; Gaz. vol. 205; p. 217.
- Guillery, René, Paris, France. Machine for measuring directly the hardness of metals. No. 1,091,128; Mar. 24; Gaz. vol. 200; p. 964.
- Guillery, René, assignor to Société des Etablissements Malicet-Blin, Aubervilliers, France. Rotary valve. No. 1,085,604; Feb. 3; Gaz. vol. 199; p. 9.
- Guilman, Paul, East St. Louis, Ill. Miner's lamp. No. 1,090,051; Mar. 10; Gaz. vol. 200; p. 520.
- Guilmette, Adelard, Grafton, Mass. Self-threading shuttle. No. 1,099,647; June 9; Gaz. vol. 203; p. 481.
- Gulmont, Joseph W., assignor to Harris Construction Company Limited, Montreal, Quebec, Canada. Water-heater. No. 1,090,144; Mar. 17; Gaz. vol. 200; p. 593.
- Guinan, Margaret A., Hudson, N. Y. Garment. No. 1,122,737; Dec. 29; Gaz. vol. 209; p. 1492.
- Guingrich, Emanuel E., and C. L. Miller, Carlock, Ill. Machine element. No. 1,110,050; Sept. 8; Gaz. vol. 206; p. 463.
- Guinzburg, Victor, New York, N. Y., assignor to I. B. Kleinert Rubber Company. Sanitary garment-protector. No. 1,093,616; Apr. 21; Gaz. vol. 201; p. 584.
- Guistwhite, Winfield S. (See Bamberger and Guistwhite.)
- Gulu, Ernest A. L., Prats-de-Mollo, France. Automatic apparatus for removing leaves, refuse, or large particles carried along by water, &c. No. 1,092,440; Apr. 7; Gaz. vol. 201; p. 110.
- Gulick, William R., Jersey City, N. J. Projectile. No. 1,096,907; May 19; Gaz. vol. 202; p. 669.
- Gullberg, Alex, Arlington, N. J., and C. L. Smith, New York, N. Y. Jogging attachment for signature-gathering machines. No. 1,090,473; Mar. 17; Gaz. vol. 200; p. 710.
- Gulleford, Richard H., St. Albans, Christchurch, New Zealand. Pedal for bicycles and the like. No. 1,109,585; Sept. 1; Gaz. vol. 206; p. 255.
- Gully, Albert B., assignor to Union Metallic Cartridge Company, Bridgeport, Conn. Target-bullet. No. 1,122,738; Dec. 29; Gaz. vol. 209; p. 1492.
- Gulyas, Gabor, *et al.* (See Holinka, George, assignor.)
- Gulyas, George, *et al.* (See Holinka, George, assignor.)
- Gumm, George C., Washington, D. C. Baking utensil. No. 1,106,042; Aug. 4; Gaz. vol. 205; p. 160.
- Gump, Leonard B. (See Murphy, Edward J., assignor.)
- Gumpel, Martin. (See Kothe, Gustav J. P., assignor.)
- Gumprecht, William L., New York, assignor to J. T. Underwood, Brooklyn, N. Y. Type-writing machine. No. 1,101,070; June 23; Gaz. vol. 203; p. 1063.
- Gunckle, Leo J., Versailles, Ohio. Pen-extractor. No. 1,100,369; June 16; Gaz. vol. 203; p. 767.
- Gund, Adolf, New York, N. Y. Animated toy. No. 1,089,212; Mar. 3; Gaz. vol. 200; p. 186.
- Gundelach, Emil C., New Rochelle, assignor of one-half to F. G. Riker, Mount Vernon, N. Y. Retaining device. No. 1,114,469; Oct. 20; Gaz. vol. 207; p. 805.
- Gunderman, Martha J., Boulder, Colo. Appliance for removing facial defects. No. 1,110,772; Sept. 15; Gaz. vol. 206; p. 759.
- Gundersen, Sivert, assignor to S. Karpen & Bros., Chicago, Ill. Lock for sofa-bed seats, &c. No. 1,094,850; Apr. 28; Gaz. vol. 201; p. 1065.
- Gundlach, Beno J., Belleville, Ill. Cutting-machine. No. 1,119,506; Dec. 1; Gaz. vol. 209; p. 209.
- Gundy, Alton C., Upland, assignor of one-half to M. H. Hay, Los Angeles, Cal. Ignition system for internal-combustion engines. No. 1,096,625; May 12; Gaz. vol. 202; p. 529.
- Gunn, Charles, Jr., Mount Royal, N. J. Gas-heating sad-iron. No. 1,115,308; Oct. 27; Gaz. vol. 207; p. 1152.
- Gunn, Charles E., Plattsburg, Mo. Door-hanger. No. 1,100,826; June 23; Gaz. vol. 203; p. 977.
- Gunn, Charles H., Modesto, Cal. Scraper. No. 1,093,558; Apr. 14; Gaz. vol. 201; p. 520.
- Gunn, Charles H., Modesto, Cal. Land-grader. No. 1,096,166; May 12; Gaz. vol. 202; p. 373.
- Gunn, Charles H., Modesto, Cal. Scraper. No. 1,112,606; Oct. 6; Gaz. vol. 207; p. 70.
- Gunn, Charles H., Modesto, assignor of one-half to E. Green, Stanislaus county, Cal. Resilient wheel. No. 1,105,650; Aug. 4; Gaz. vol. 205; p. 23.
- Gunn, Frederick C., Kansas City, Mo. Sheet-metal trim. No. 1,085,605; Feb. 3; Gaz. vol. 199; p. 9.
- Gunn, John K., Utica, N. Y. Engine. No. 1,112,287; Sept. 29; Gaz. vol. 206; p. 1363.
- Gunn, Robert W., *et al.* (See Gray, Jesse L., assignor.)
- Gunn, Thomas M., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Torpedo-launching apparatus. No. 1,097,623; May 26; Gaz. vol. 202; p. 962.
- Gunn, Thomas M., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Torpedo-launching apparatus. No. 1,097,624; May 26; Gaz. vol. 202; p. 963.
- Gunn, Thomas M., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Torpedo-launching apparatus. No. 1,097,625; May 26; Gaz. vol. 202; p. 963.
- Gunnarson, John, Bettendorf, Iowa. Life-boat. No. 1,104,745; July 21; Gaz. vol. 204; p. 963.
- Gunnarson, Waltzer, New Rochelle, N. Y. Weed-destroyer. No. 1,118,854; Nov. 24; Gaz. vol. 208; p. 1299.
- Gunner, Byron, Hillburn, N. Y. Puzzle. No. 1,121,495; Dec. 15; Gaz. vol. 209; p. 986.
- Gunnore, Berta B., Beckley, W. Va. Frictionless car-wheel. No. 1,115,309; Oct. 27; Gaz. vol. 207; p. 1152.
- Gunster, George N., *et al.* (See Clifford, Patrick J., assignor.)
- Gunster, Henry J., *et al.* (See Clifford, Patrick J., assignor.)
- Gunstone, Arthur F. (See Shooobridge and Gunstone.)
- Gunstone, Arthur F., Bath, assignor to "Captain" Motor Wheel Company Limited, Bristol, England. Detachable rim for wheels of road-vehicles. No. 1,083,321; Jan. 6; Gaz. vol. 198; p. 21.
- Gunter, Charles M., and C. F. Nelson, Moultrie, Ga. Railway cross-tie. No. 1,083,488; Jan. 6; Gaz. vol. 198; p. 76.
- Gunter, John W., and G. P. Haardt, Montgomery, Ala. Reversible fertilizer-distributor. No. 1,097,426; May 19; Gaz. vol. 202; p. 851.
- Gunther, F. H. (See Friedman, Nathan, assignor.)
- Günther, Oskar, Leverkusen, near Cologne, and A. Zart, Opladen, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Azo dyes. No. 1,101,739; June 30; Gaz. vol. 203; p. 1342.
- Günthner, Hans, Augsburg, Germany. Manufacturing steel bands, wires, or the like enveloped in celluloid or similar material. No. 1,099,598; June 9; Gaz. vol. 203; p. 465.
- Guntrum, Hugo. (See Bonhoeffer and Guntrum.)
- Gura, Otto K., Bridgeport, Conn. Rake. No. 1,118,548; Nov. 24; Gaz. vol. 208; p. 1196.
- Gurley, Frank, High Point, N. C. Show-case. No. 1,104,297; July 21; Gaz. vol. 204; p. 807.
- Gurly, David S., *et al.* (See Garland, John G., assignor.)
- Gurney, Albert J., Herrin, Ill. Signal apparatus for mines. No. 1,089,763; Mar. 10; Gaz. vol. 200; p. 421.
- Gurney Electric Elevator Company. (See Coyle, Andrew M., assignor.)
- Gurney Electric Elevator Company. (See Cummiskey, William M., assignor.)
- Gurney Electric Elevator Company. (See Gurney and Cummiskey, assignors.)
- Gurney Electric Elevator Company. (See Thurber, Frederick H., assignor.)
- Gurney, Howard F., Hackensack, N. J., and W. M. Cummiskey, assignors to Gurney Electric Elevator Company, Honesdale, Pa. Actuating mechanism for elevator safety devices. No. 1,102,264; July 7; Gaz. vol. 204; p. 14.
- Gus V. Brecht Butchers' Supply Company. (See Kramer, Louis A., assignor.)
- Gussette, Benjamin, Ward Springs, Minn. Extension car-step. No. 1,093,617; Apr. 21; Gaz. vol. 201; p. 584.
- Gussman, August H., East Orange, N. J. Key-duplicating machine. No. 1,105,769; Aug. 4; Gaz. vol. 205; p. 64.
- Gussman, August H., East Orange, N. J., assignor to Gussman Key Cutting Machine Co., North Pelham, N. Y. Duplicating-machine. No. 1,089,127; Mar. 3; Gaz. vol. 200; p. 157.
- Gussman Key Cutting Machine Co. (See Gussman, August H., assignor.)
- Gustafson, Adolph P., assignor to M. Schulz Co., Chicago, Ill. Action for player-pianos and the like. No. 1,101,846; June 30; Gaz. vol. 203; p. 1380.
- Gustafson, Albert W., Jersey City, N. J. Engine-cylinder. No. 1,105,423; July 28; Gaz. vol. 204; p. 1250.
- Gustafson, Axel R., Chicago, Ill. Ironing-machine. No. 1,086,292; Feb. 3; Gaz. vol. 199; p. 248.
- Gustafson, Axel R., Chicago, Ill. Ironing-machine. No. 1,097,016; May 19; Gaz. vol. 202; p. 707.
- Gustafson, Axel R., Chicago, Ill. Ironing-machine. No. 1,113,554; Oct. 13; Gaz. vol. 207; p. 443.
- Gustafson, Axel W., St. Joseph, Mich. Measuring implement. No. 1,114,134; Oct. 20; Gaz. vol. 207; p. 684.
- Gustafson, Carl J. (See Hedstrom and Gustafson.)
- Gustafson, Fingal, Cloquet, Minn. Pocket-alarm. No. 1,121,496; Dec. 15; Gaz. vol. 209; p. 986.

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- Gustafson, Frank O., Bessemer township, Gogebic county, Mich. Overhead-railway construction. No. 1,112,446; Oct. 6; Gaz. vol. 207; p. 11.
- Gustafson, Gustaf, Brunswick, Me. Nut-lock. No. 1,117,373; Nov. 17; Gaz. vol. 208; p. 744.
- Gustafson, Gustaf W., Seattle, Wash. Bottle-closure. No. 1,108,360; Aug. 25; Gaz. vol. 205; p. 1110.
- Gustafson, Herbert E., Pueblo, Colo. Miniature electric lamp. No. 1,105,770; Aug. 4; Gaz. vol. 205; p. 65.
- Gustafson, Magnus, and T. Swanson, Duluth, Minn. Swamp-horseshoe. No. 1,095,107; Apr. 28; Gaz. vol. 201; p. 1152.
- Gustiana, Antonio, Sudbury, Ontario, Canada. Steering apparatus for air-craft. No. 1,118,124; Nov. 24; Gaz. vol. 208; p. 1047.
- Guth, Frederick A., Waverly, Ohio. Gate. No. 1,093,404; Apr. 14; Gaz. vol. 201; p. 475.
- Guth, Frederick A., Waverly, Ohio. Vehicle-wheel. No. 1,115,667; Nov. 3; Gaz. vol. 208; p. 69.
- Guth, Philip J., San Francisco, Cal. Detachable last. No. 1,088,274; Feb. 24; Gaz. vol. 199; p. 1080.
- Guthrie, Bayard, Pittsburgh, and J. P. Karch, Sewickley, assigns to C. P. Carpenter, trustee, Pittsburgh, Pa. Electric furnace. No. 1,086,164; Feb. 3; Gaz. vol. 199; p. 208.
- Guthrie, Venable J., Cambria, Va. Air compressor or pump. No. 1,108,434; Aug. 25; Gaz. vol. 205; p. 1135.
- Guthrie, Walter H., Walter, Okla. Water-fountain. No. 1,083,535; Jan. 6; Gaz. vol. 198; p. 92.
- Guthrie, William F. (See Coulter, Fred S., assignor.)
- Gutmann, Frederick, New York, N. Y. Collapsible velocipede. No. 1,106,939; Aug. 11; Gaz. vol. 205; p. 517.
- Gutshall, Robert S., Denver, Colo. Top for cloth or flexible water-bags. No. 1,099,796; June 9; Gaz. vol. 203; p. 532.
- Gutta Percha & Rubber Manufacturing Co. (See Spadone, Walter W., assignor.)
- Gutta Percha & Rubber Manufacturing Company. (See Bolton, Andrew C., assignor.)
- Guttenbrunner, Georg, Vienna, Austria-Hungary. Lock construction for waterways. No. 1,107,933; Aug. 18; Gaz. vol. 205; p. 912.
- Guttridge, Homer C., Cullison, Kans. Horse-collar. No. 1,085,253; Jan. 27; Gaz. vol. 198; p. 763.
- Gutzeit, Joseph A., San Antonio, Tex. Planter. No. 1,096,363; May 12; Gaz. vol. 202; p. 442.
- Guy, Albert E., Pittsburgh, Pa. Volume-indicating mechanism for centrifugal pumps. No. 1,083,610; Jan. 6; Gaz. vol. 198; p. 117.
- Guy, Chauncey M., Berwick, Me. Treating innersoles for shoes. No. 1,120,193; Dec. 8; Gaz. vol. 209; p. 482.
- Guy, Frank, Springfield, Ill. Miner's carbid-lamp. No. 1,097,716; May 26; Gaz. vol. 202; p. 996.
- Guy, John A., Watervliet, N. Y. Molding-machine. No. 1,122,105; Dec. 22; Gaz. vol. 209; p. 1236.
- Guy, Walter W., assignor to Colonial Fireplace Co., Chicago, Ill. Dome for fireplaces. No. 1,105,651; Aug. 4; Gaz. vol. 205; p. 23.
- Guye, Charles E., Geneva, Switzerland, assignor to Southern Power Company, Charlotte, N. C. Stabilizing means for electric-arc furnaces. No. 1,109,330; Sept. 1; Gaz. vol. 206; p. 168.
- Guyer, Hans, Zurich, Switzerland. Centrifugal pump and compressor or the like. No. 1,083,739; Jan. 6; Gaz. vol. 198; p. 160.
- Guyer, Henry E., Marceline, Mo. Rail-brace. No. 1,102,044; June 30; Gaz. vol. 203; p. 1452.
- Guyette, Fred B., Enfield, N. H. Gun-rest. No. 1,122,106; Dec. 22; Gaz. vol. 209; p. 1236.
- Guyette, Louise, assignor to Barmon Brothers Company, Buffalo, N. Y. Dress. No. 1,083,611; Jan. 6; Gaz. vol. 198; p. 117.
- Guyton & Cumfer Manufacturing Company. (See Cumfer, Harry A., assignor.)
- Gwathmey, Joseph H., Webb City, Mo. Pump-shaft bearing. No. 1,101,923; June 30; Gaz. vol. 203; p. 1408.
- Gwinn, George W., New York, N. Y., assignor to Automatic Packing & Labeling Company, Durham, N. C. Bag-feeding mechanism. No. 1,101,492; June 23; Gaz. vol. 203; p. 1208.
- Gwinn, George W., New York, N. Y., assignor to Automatic Packing & Labeling Company, Durham, N. C. Machine for packaging materials. No. 1,114,256; Oct. 20; Gaz. vol. 207; p. 729.
- Gwirtz, Jacob L., Philadelphia, Pa. Clasp. No. 1,104,259; July 21; Gaz. vol. 204; p. 793.
- Gwizdala, Alexander, Calumet, Mich. Churn. No. 1,086,363; Feb. 10; Gaz. vol. 199; p. 320.
- Gwozdzievicz, John, and M. Bizon, Bretz, W. Va. Lantern. No. 1,115,067; Oct. 27; Gaz. vol. 207; p. 1067.
- Gwynn, Emmer F. (See Haller, Winfield A., assignor.)
- Gwynn, Emmer F., Pittsburgh, Pa. Gas-burning furnace. No. 1,122,739; Dec. 29; Gaz. vol. 209; p. 1492.
- Gwynn, Emmer F., Pittsburgh, Pa. Gas-burner. No. 1,122,740; Dec. 29; Gaz. vol. 209; p. 1493.
- Gwynnes Limited. (See Breeze, John F., assignor.)
- Gyger, Jasper O., assignor of forty-nine one-hundredths to E. B. Thornton, Bedford, Ind. Stoneworking-machine. No. 1,102,190; June 30; Gaz. vol. 203; p. 1503.
- Gyllensten, Frank. (See Engblom, Eric, assignor.)
- Gyr, Karl, Zug, Switzerland. Electrical measuring instrument. No. 1,088,897; Mar. 3; Gaz. vol. 200; p. 77.
- Gyro Motor Company. (See Heath, Spencer, assignor.)
- Gyro Motor Company. (See Moore, Robert S., assignor.)
- Gyro Motor Company. (See Simmons, James L., assignor.)
- Gyulay, John, Bridgeport, Conn. Reversing steam-turbine. No. 1,091,129; Mar. 24; Gaz. vol. 200; p. 965.
- H. Koppers Company. (See Koppers, Heinrich, assignor.)
- H. Maimin Company. (See Maimin, Mayer R., assignor.)
- H. Mueller Manufacturing Company, The. (See Dornin, Thomas B., assignor.)
- H. Mueller Mfg. Co. (See Cash, Arthur W., assignor.)
- H. Mueller Mfg. Co. (See Mueller, Adolph, assignor.)
- H. Mueller Mfg. Co. (See Mueller, Fred B., assignor.)
- H. Mueller Mfg. Co. (See Mueller, Philip, assignor.)
- H. Mueller Mfg. Co. (See Mueller and Schuermann, assignors.)
- H. Mueller Mfg. Co. (See Schuermann, Anton C., assignor.)
- H. A. & L. D. Holland Company. (See Beckwith, John W., assignor.)
- H. & B. American Machine Company. (See Jackson, John, assignor.)
- H. B. Glover Company. (See Bissell and Karberg, assignors.)
- H. B. Ives Company, The. (See Wright, Louis W., assignor.)
- H. B. Sherman Manufacturing Co. (See Church, Richard N., assignor.)
- H. C. Cook Company, The. (See Carter, Chapel S., assignor.)
- H. C. Fry Glass Company. (See Beam, Charles W., assignor.) (Reissue.)
- H. D. Beach Company, The. (See Gibson, Francis W., assignor.)
- H. D. Beach Company, The. (See Gibson and Marden, assignors.)
- H. D. Berner & Winterbauer Company. (See Kalthoff, Albrecht, assignor.)
- H. D. Smith & Company, The. (See Thomson, William S., assignor.)
- H. F. Brammer Manufacturing Company. (See Edens, John, assignor.)
- H. F. Keegan Company. (See Cooke and Banning, assignors.)
- H. F. Livermore Company. (See Livermore, Homer F., assignor.)
- H. G. Thompson & Son Co., The. (See Fairbanks, Leonard M., assignor.)
- H. H. Franklin Manufacturing Company. (See Brown, William H., assignor.)
- H. H. Franklin Manufacturing Company. (See Wilkinson, John, assignor.)
- H. & H. Patent-Developing Company. (See Hebern, Edward H., assignor.)
- H. & H. Patent Developing Company. (See Hebern and Hoffman, assignors.)
- H. & H. Patent-Developing Company. (See Hoffman, Fred, assignor.) (Reissue.)
- H. J. Keith Company. (See Keith, Herbert J., assignor.)
- H. J. Keith Company. (See Keith, Simeon C., Jr., assignor.)
- H. L. Judd Company. (See Edsall and Lathrop, assignors.)
- H. L. Judd Company. (See Lathrop, Frank L., assignor.)
- H. P. Hood & Sons. (See Hood, Charles H., assignor.)
- H. P. Patents and Processes Company. (See Hochstetter, Frederick W., assignor.)
- H. T. Paiste Company. (See Paiste, Henry T., assignor.)
- H. T. Paiste Company. (See Webb, Wilmer M., assignor.)
- H. W. Butterworth & Sons Company. (See Brehmer, Herman C., assignor.)
- H. W. Butterworth & Sons Company. (See Rowley, William S., assignor.)
- H. W. Cooper Saddlery Hardware Mfg. Company. (See Cooper, Charles J., assignor.)
- H. W. Johns-Manville Company. (See Jewett, Franc J., assignor.)
- H. W. Johns-Manville Company. (See Meek, John E., assignor.)
- H. W. Johns-Manville Company. (See René, Dominick H., assignor.)
- H. W. Johns-Manville Company. (See Wardell, Henry R., assignor.)
- H. W. Meier and Company. (See Meier, Harry W., assignor.)
- Haabestad, Owen J., Philadelphia, Pa. Reversible attached cuff for shirts. No. 1,085,414; Jan. 27; Gaz. vol. 198; p. 818.
- Haakenson, Peder L., Barton, N. D. Hen's nest. No. 1,096,300; May 12; Gaz. vol. 202; p. 420.
- Haan, Isidore de, Amsterdam, Netherlands. Safety device for Bunsen burners, gas cooking-ranges, and the like. No. 1,093,180; Apr. 14; Gaz. vol. 201; p. 398.
- Haan, Jacob S. de, Klaten, Java. Manufacture of cane-sugar. No. 1,101,071; June 23; Gaz. vol. 203; p. 1064.
- Haardt, George P. (See Gunter and Haardt.)
- Haas, Cyrus A., St. Louis, Mo. Gas or vapor burner. No. 1,101,537; June 30; Gaz. vol. 203; p. 1274.
- Haas, Ernest, Manchester, England. Stamp-affixing apparatus. No. 1,098,254; May 26; Gaz. vol. 202; p. 1184.

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- Haas, Franz, Prague, Austria-Hungary. Orthopedic apparatus. No. 1,100,430; June 16; Gaz. vol. 203; p. 789.
- Haas, Fritz, Quedlinburg, Germany. Manometer. No. 1,107,298; Aug. 18; Gaz. vol. 205; p. 689.
- Haas, Harriet A., Oakland, Cal. Kitchen utensil. No. 1,100,298; June 16; Gaz. vol. 203; p. 744.
- Haas, Isaac. (See Ellmann, Ernest E., assignor.)
- Haas, Jackson O., Philadelphia, Pa. Hat. No. 1,093,777; Apr. 21; Gaz. vol. 201; p. 637.
- Haas, Joseph, Jr., Newport, Ky. Curtain-fastener. No. 1,093,927; Apr. 21; Gaz. vol. 201; p. 689.
- Haas, Kalman, New York, N. Y. Emergency-brake. No. 1,096,167; May 12; Gaz. vol. 202; p. 374.
- Haas, Ludwig F. C., Lancaster, Pa. Detachable tread for pneumatic tires. No. 1,090,145; Mar. 17; Gaz. vol. 200; p. 593.
- Haas, Peter, New Athens, Ill., assignor of one-half to W. H. Sleight, St. Louis, Mo. Adjustable colter. No. 1,094,068; Apr. 21; Gaz. vol. 201; p. 736.
- Haas, Philip, Dayton, Ohio. Detachable flush-rim fixture. No. 1,107,515; Aug. 18; Gaz. vol. 205; p. 767.
- Haas, Philip, Dayton, Ohio. Tank-flushing device. No. 1,111,744; Sept. 29; Gaz. vol. 206; p. 1173.
- Haas, Philip, Dayton, Ohio. Flushing device for water-closets. No. 1,111,745; Sept. 29; Gaz. vol. 206; p. 1174.
- Haas, Philip, Dayton, Ohio. Ventilating water-closet. No. 1,111,746; Sept. 29; Gaz. vol. 206; p. 1174.
- Haas, Philip, Dayton, Ohio. Water-closet valve. No. 1,111,747; Sept. 29; Gaz. vol. 206; p. 1175.
- Haas, Samuel, New York, N. Y. Holder for spools. No. 1,102,740; July 7; Gaz. vol. 204; p. 181.
- Haas, Vincent M., assignor to Pyramid Fire Grate Company, Inc., Norristown, Pa. Grate for stoves and furnaces. No. 1,121,180; Dec. 15; Gaz. vol. 209; p. 879.
- Haase, August E., assignor to The Minn Billiard Co., Milwaukee, Wis. Pocket-iron for pool and billiard tables. No. 1,101,847; June 30; Gaz. vol. 203; p. 1381.
- Haase, Frederick A., Jr. (See Danielsen, Haase, and Shannon.)
- Haase, Heinrich, Rathenow, Germany. Frame for spectacles, eyeglasses, and the like. No. 1,109,285; Sept. 1; Gaz. vol. 206; p. 152.
- Haase, Leo G., Pasadena, Cal. Concrete structure. No. 1,087,366; Feb. 17; Gaz. vol. 199; p. 718.
- Haase, Leo G., Pasadena, Cal. Mold. No. 1,118,855; Nov. 24; Gaz. vol. 208; p. 1300.
- Haase, Otto, Brand-Erbisdorf, Germany. Pneumatic organ-action. No. 1,114,879; Oct. 27; Gaz. vol. 207; p. 1000.
- Haase, Paul F., Kansas City, Mo. Square-rule. No. 1,098,571; June 2; Gaz. vol. 203; p. 76.
- Habekost, William F. (See Box, Leonard, assignor.)
- Habenicht, Henry W., Hartington, Nebr. Combined mailbox. No. 1,106,376; Aug. 11; Gaz. vol. 205; p. 317.
- Haberle, Michael, Brooklyn, N. Y. Pivoted sliding window. No. 1,120,053; Dec. 8; Gaz. vol. 209; p. 433.
- Habicht, Thomas J., Charlotte, N. C. Carpet-cleaning apparatus. No. 1,105,903; Aug. 4; Gaz. vol. 205; p. 110.
- Habick, Emil H., Euclid, Minn. Mower attachment for cars. No. 1,099,296; June 9; Gaz. vol. 203; p. 360.
- Habick, Emil H., Euclid, Minn. Mower attachment for cars. No. 1,106,650; Aug. 11; Gaz. vol. 205; p. 417.
- Hablützel, Heinrich, Zurich, Switzerland. Arrangement for treating ropes of yarn with a liquid contained in a trough. No. 1,100,729; June 23; Gaz. vol. 203; p. 943.
- Habrie, Jules, San Francisco, Cal. Bread-cutter. No. 1,110,773; Sept. 15; Gaz. vol. 206; p. 759.
- Hachenberger, Emanuel J., Wilcox, Nebr. Cream-arrester. No. 1,116,585; Nov. 10; Gaz. vol. 208; p. 427.
- Hack, Jacob, assignor to W. Eberhard, Hanau, Germany. Apparatus for turning cigar-bunches in the molds. No. 1,104,794; July 28; Gaz. vol. 204; p. 1028.
- Hackbarth, Otto G. A., Clarendon Hills, Ill. Golf-club. No. 1,116,417; Nov. 10; Gaz. vol. 208; p. 364.
- Hacker, Horace W. (See Hamilton, William L., assignor.)
- Hacker, Williamson T., Columbus, Ind. Copy-holder. No. 1,107,785; Aug. 18; Gaz. vol. 205; p. 864.
- Hackett, Charles H. (See Marsh and Hackett.)
- Hackett, George E., New York, N. Y. Dermatological instrument. No. 1,084,007; Jan. 13; Gaz. vol. 198; p. 277.
- Hackett, James N. (See Howe, George E., assignor.)
- Hackett, John V., Tyler, Pa. Coasting-sled. No. 1,099,700; June 9; Gaz. vol. 203; p. 501.
- Hackett, M. O. (See Griffin, Alvah M., assignor.)
- Hackett, Thomas P., assignor to The Lawson Composite Stone Company, Cincinnati, Ohio. Window-refrigerator. No. 1,099,499; June 9; Gaz. vol. 203; p. 430.
- Hackl, Heinrich, and H. Bunzel, Heufeld, Germany. Eliminating iron from liquids. No. 1,100,675; June 16; Gaz. vol. 203; p. 868.
- Hackney, Leslie S., St. Paul, Minn. Plow-lift for gang-plows. No. 1,104,187; July 21; Gaz. vol. 204; p. 770.
- Hackstedde, Herbert, Cincinnati, Ohio. Loaf-forming machine. No. 1,091,061; Mar. 24; Gaz. vol. 200; p. 941.
- Hackstedde, Herbert, assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Mixing-machine. No. 1,085,730; Feb. 3; Gaz. vol. 199; p. 53.
- Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Insole-toe-cutting machine. No. 1,087,578; Feb. 17; Gaz. vol. 199; p. 792.
- Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of welt-shoes. No. 1,093,697; Apr. 21; Gaz. vol. 201; p. 614.
- Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Tack pulling and resetting machine. No. 1,109,220; Sept. 1; Gaz. vol. 206; p. 129.
- Hadaway, John B., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-skiving machine. No. 1,101,538; June 30; Gaz. vol. 203; p. 1274.
- Hadaway, John B., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Edge-trimming machine. No. 1,107,668; Aug. 18; Gaz. vol. 205; p. 823.
- Hadaway, William S., Jr., New York, N. Y. Temperature-regulator. No. 1,093,126; Apr. 14; Gaz. vol. 201; p. 379.
- Hadaway, William S., Jr., New York, N. Y. Electric-resistance device. No. 1,094,851; Apr. 28; Gaz. vol. 201; p. 1066.
- Hadaway, William S., Jr., New York, N. Y. Electric-heating system. No. 1,098,436; June 2; Gaz. vol. 203; p. 28.
- Hadaway, William S., Jr., New York, N. Y. Electric heating device. No. 1,098,437; June 2; Gaz. vol. 203; p. 28.
- Hadaway, William S., Jr., New York, N. Y. Electric heater. No. 1,101,072; June 23; Gaz. vol. 203; p. 1064.
- Hadaway, William S., Jr., New Rochelle, N. Y. Reciprocating heater. No. 1,094,714; Apr. 28; Gaz. vol. 201; p. 1019.
- Hadaway, William S., Jr., New Rochelle, N. Y. Heater. No. 1,096,908; May 19; Gaz. vol. 202; p. 669.
- Hadaway, William S., Jr., New Rochelle, N. Y. Heating and regulating apparatus. No. 1,097,223; May 19; Gaz. vol. 202; p. 782.
- Hadaway, William S., Jr., New Rochelle, N. Y. Electric heater. No. 1,099,125; June 2; Gaz. vol. 203; p. 257.
- Hadaway, William S., Jr., East Orange, N. J., assignor to Westinghouse Electric and Manufacturing Company. Electric heating and cooking device. No. 1,086,165; Feb. 3; Gaz. vol. 199; p. 208.
- Hadaway, William S., Jr., East Orange, N. J., assignor to Westinghouse Electric and Manufacturing Company. Electric sad-iron. No. 1,116,586; Nov. 10; Gaz. vol. 208; p. 427.
- Haddad, Charles, Long Island City, assignor of one-half to J. Folcz, New York, N. Y. Tobacco-pipe. No. 1,118,000; Nov. 24; Gaz. vol. 208; p. 1003.
- Haddad, Charles, Long Island City, assignor of one-half to J. Folcz, New York, N. Y. Toy. No. 1,118,001; Nov. 24; Gaz. vol. 208; p. 1004.
- Haddan, James F., Doerun, Ga. Guano-distributor, cotton-planter, oat-drill, harrow, and cultivator. No. 1,118,279; Nov. 24; Gaz. vol. 208; p. 1099.
- Haddon, Walter. (See Kimber, Wilfred C., assignor.)
- Haden, Robert B., Cincinnati, Ohio. Insulator. No. 1,102,656; July 7; Gaz. vol. 204; p. 153.
- Hadfield, Frederick J., Ringsfield, Beccles, England. Wheel. No. 1,097,427; May 19; Gaz. vol. 202; p. 852.
- Hadfield, John, assignor to The Hadfield Rubber Company, Akron, Ohio. Machine for making finger-cots and the like. No. 1,097,017; May 19; Gaz. vol. 202; p. 707.
- Hadfield, John, assignor to The Hadfield Rubber Company, Akron, Ohio. Glove. No. 1,097,018; May 19; Gaz. vol. 202; p. 707.
- Hadfield, Robert A., Sheffield, England. Improving the magnetic qualities of iron-silicon-manganese-aluminum alloys. No. 1,086,765; Feb. 10; Gaz. vol. 199; p. 460.
- Hadfield, Robert A., Sheffield, England. Improving the magnetic qualities of iron-silicon-manganese-aluminum alloys. No. 1,086,766; Feb. 10; Gaz. vol. 199; p. 460.
- Hadfield, Robert A., Sheffield, England. Armor-plate. No. 1,089,638; Mar. 10; Gaz. vol. 200; p. 378.
- Hadfield, Robert A., Sheffield, England. Improving the magnetic qualities of a magnetic body. No. 1,122,385; Dec. 29; Gaz. vol. 209; p. 1369.
- Hadfield, Robert A., Westminster, England. Cap for armor-piercing projectiles. No. 1,089,639; Mar. 10; Gaz. vol. 200; p. 379.
- Hadfield Rubber Company, The. (See Hadfield, John, assignor.)
- Hadley, Artemus N., Indianapolis, Ind. Traction-wheel. No. 1,109,985; Sept. 8; Gaz. vol. 206; p. 441.
- Hadley, Artemus N., Indianapolis, Ind. Cane-harvester. No. 1,122,741; Dec. 29; Gaz. vol. 209; p. 1493.
- Hadley, Charles R. (See Cohn, Max M., assignor.)
- Hadley, George T., San Francisco, Cal. Inverted-mantle burner. No. 1,097,092; May 19; Gaz. vol. 202; p. 736.
- Hadley, Thomas J., Winnipeg, Manitoba, Canada. Electrical insulating compound. No. 1,103,285; July 14; Gaz. vol. 204; p. 417.
- Hadnagy, Peter, Detroit, Mich. Rail-joint. No. 1,091,651; Mar. 31; Gaz. vol. 200; p. 1184.

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- Hadsel, Alvah D., Philadelphia, Pa. Elevated carrier. No. 1,086,912; Feb. 10; Gaz. vol. 199; p. 510.
- Hadsel, Alvah D., assignor to The Cable Excavator Company, Philadelphia, Pa. Cable-excavator. No. 1,103,762; July 14; Gaz. vol. 204; p. 583.
- Hadwiger, Hugo, Vienna, Austria-Hungary. Internal-combustion engine. No. 1,106,940; Aug. 11; Gaz. vol. 205; p. 518.
- Haedike, Otto G., and R. D. Braden, assignors to Oxweld Acetylene Company, Chicago, Ill. Hydraulic back-pressure valve. No. 1,108,863; Aug. 25; Gaz. vol. 205; p. 1285.
- Haefely, Emil, Basel, Switzerland, assignor to Westinghouse Electric and Manufacturing Company. Coll-insulating machine. No. 1,090,394; Mar. 17; Gaz. vol. 200; p. 682.
- Haefely, Emil, Basel, Switzerland, assignor to Westinghouse Electric and Manufacturing Company. Coll-insulating device. No. 1,120,811; Dec. 15; Gaz. vol. 209; p. 748.
- Haeger, David C., Elgin, Ill. Building-block. No. 1,093,127; Apr. 14; Gaz. vol. 201; p. 380.
- Haennig, Joseph F., Masonville, Iowa. Pump-vent. No. 1,093,847; Apr. 21; Gaz. vol. 201; p. 663.
- Haeseler, Charles H., Philadelphia, Pa. Percussive tool. No. 1,093,048; Apr. 14; Gaz. vol. 201; p. 351.
- Haeseler, Charles H., Philadelphia, Pa. Portable engine. No. 1,096,239; May 12; Gaz. vol. 202; p. 399.
- Haeuser, Andrew, Fountain City, Wis. Belt-tightener. No. 1,097,093; May 19; Gaz. vol. 202; p. 736.
- Haeusler, Charles D., Kressbronn, Germany, assignor of one-third to W. Aufderheide, St. Louis, Mo., one-third to O. C. Heisler, Chicago, Ill., and one-third to C. F. Heisler, Philadelphia, Pa. Apparatus for activating fluids with the emanations of radio-active material. No. 1,098,623; June 2; Gaz. vol. 203; p. 92.
- Haeussner, Edward, St. Louis, Mo. Spike. No. 1,113,004; Oct. 6; Gaz. vol. 207; p. 206.
- Hafer, Albert L., Westfield, Tex. Cultivator attachment. No. 1,097,094; May 19; Gaz. vol. 202; p. 736.
- Hafertep, Theodor B., Chicago, Ill. Fastening sheet material. No. 1,114,135; Oct. 20; Gaz. vol. 207; p. 684.
- Hafertep, Edwin B., Rochester, N. Y. Collar-fastening clip. No. 1,091,508; Mar. 31; Gaz. vol. 200; p. 1135.
- Haff, Maximilian M., assignor to T. L. Willson, Ottawa, Ontario, Canada. Manufacturing phosphoric acid. No. 1,084,856; Jan. 20; Gaz. vol. 198; p. 592.
- Haff, Maximilian M. (See Willson and Haff.)
- Hafner, John A., Pittsburgh, Pa. Yielding driving member. No. 1,085,731; Feb. 3; Gaz. vol. 199; p. 54.
- Hafner, William G., Clay, N. Y. Bark-rossing machine. No. 1,102,657; July 7; Gaz. vol. 204; p. 153.
- Hagadone, Clinton A., Western Springs, Ill., assignor to International Harvester Company. Tongue-truck. No. 1,110,298; Sept. 8; Gaz. vol. 206; p. 553.
- Hagan, Arthur J., New York, N. Y. Pulley and lock for cables. No. 1,107,934; Aug. 18; Gaz. vol. 205; p. 913.
- Hagan Gas Engine & Manufacturing Company. (See Hagan, Louis T., assignor.)
- Hagan, George J., Pittsburgh, Pa. Annealing-furnace. No. 1,083,443; Jan. 6; Gaz. vol. 198; p. 62.
- Hagan, James H., Gloversville, N. Y. Sewing-machine. No. 1,087,489; Feb. 17; Gaz. vol. 199; p. 761.
- Hagan, Louis T., assignor to Hagan Gas Engine & Manufacturing Company, Winchester, Ky. Internal-combustion engine. No. 1,102,045; June 30; Gaz. vol. 203; p. 1453.
- Hagar, Franklin W., Nashville, Tenn. Thermodynamic motor. No. 1,092,042; Mar. 31; Gaz. vol. 200; p. 1316.
- Hagee, Amos O. (See Eager and Hagee.)
- Hagel, Gert J. von, Akron, Iowa. Oiling device. No. 1,086,293; Feb. 3; Gaz. vol. 199; p. 249.
- Hagelstein, Christian H. T., Dorchester, assignor to Reece Buttonhole Machine Company, Boston, Mass. Thread-controlling means for sewing-machines. No. 1,084,736; Jan. 20; Gaz. vol. 198; p. 551.
- Hageman, John T., Ottawa, Ohio. Fertilizer-distributor. No. 1,093,928; Apr. 21; Gaz. vol. 201; p. 690.
- Hagemann, Karl, Leverkusen, near Cologne, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Yellow azodye. No. 1,114,750; Oct. 27; Gaz. vol. 207; p. 953.
- Hagemann, Otto C., Yonkers, and C. Baskerville, New York, N. Y. Effecting catalytic reactions. No. 1,083,930; Jan. 13; Gaz. vol. 198; p. 250.
- Hagemeyer, Henry F., assignor to The Mechanical Process Manufacturing Company, Toledo, Ohio. Burner. No. 1,105,031; July 28; Gaz. vol. 204; p. 1110.
- Hagemeyer, Henry F., Rockford, Ill., assignor to The Mechanical Process Manufacturing Company, Toledo, Ohio. Glassware re-forming mechanism. No. 1,107,935; Aug. 18; Gaz. vol. 205; p. 913.
- Hagen, Arthur T., and D. M. Cooper, Rochester, N. Y., assignors, by mesne assignments, to American Laundry Machinery Company, Cincinnati, Ohio. Ironing-machine. No. 1,115,187; Oct. 27; Gaz. vol. 207; p. 1110.
- Hagen, George, Zumbrot, Minn. Power-driven rasp. No. 1,116,058; Nov. 3; Gaz. vol. 208; p. 202.
- Hagen, Joseph J., St. Louis, Mo. Spark-plug. No. 1,115,526; Nov. 3; Gaz. vol. 208; p. 20.
- Hagen, Louis R., Minneapolis, Minn. Box-seal cutter. No. 1,109,286; Sept. 1; Gaz. vol. 206; p. 152.
- Hager, Charles A. (See Mabin, John W., assignor.)
- Hager, Frederick W. (See Hibbard, Charles L., assignor.)
- Hager, Harry, Chicago, Ill. Feed mechanism for automatic weighing-machines. No. 1,098,108; May 26; Gaz. vol. 202; p. 1136.
- Hager, Henry F., assignor of one-half to J. H. Kosnick, Chicago, Ill. Bed-spring fabric. No. 1,110,774; Sept. 15; Gaz. vol. 206; p. 760.
- Hager, Irvin U., Alliance, Nebr. Fuel-regulator. No. 1,103,198; July 14; Gaz. vol. 204; p. 389.
- Hager, Louis F., Dayton, Ohio. Safety gas-valve. No. 1,084,425; Jan. 13; Gaz. vol. 198; p. 415.
- Hagerman, Frank. (See Schenck, Eugene A., assignor.)
- Hagerstown Shoe & Legging Company. (See Campbell, Robert L., assignor.)
- Hagerstrom, John A., Brooklyn, N. Y. Spring-wheel. No. 1,120,142; Dec. 8; Gaz. vol. 209; p. 463.
- Hagerthey, George W., Linwood, N. J. Dispensing-can. No. 1,093,325; Apr. 14; Gaz. vol. 201; p. 448.
- Hagey, Robert J., assignor to C. E. Troemner, Philadelphia, Pa. System for gaging cylindrical measures. No. 1,085,905; Feb. 3; Gaz. vol. 199; p. 115.
- Haggerty, John D. (See Monroe, Fred R., assignor.)
- Haggin, James B., et al. (See Kendall, Edward D., assignor.)
- Hagie, Myrta, Wayland, Iowa. Hen's nest. No. 1,118,198; Nov. 24; Gaz. vol. 208; p. 1072.
- Hagist, Emil T. (See Barnes, Hagist, and Nell.)
- Hagman, William J. (See Wray and Hagman.)
- Hagnauer, Marie E. M., Paris, and J. J. H. Crepin, St. Mandé, France. Lamp-body. No. 1,100,560; June 16; Gaz. vol. 203; p. 831.
- Hagner, Frederick H., Corpus Christi, Tex., assignor of one-half to F. W. Davis, Pine Plains, N. Y. Chair for sewing-machines and the like. No. 1,110,486; Sept. 15; Gaz. vol. 206; p. 660.
- Hagstrom, Carl J., Glen Cove, N. Y. Locking mechanism for double doors and windows. No. 1,094,143; Apr. 21; Gaz. vol. 201; p. 760.
- Hague, Charles E., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Moisture-proof telephone set. No. 1,108,166; Aug. 25; Gaz. vol. 205; p. 1042.
- Hahl, Augustus L., Chicago, Ill. Pneumatic clock mechanism. No. 1,098,494; June 2; Gaz. vol. 203; p. 47.
- Hahl, Augustus L., Chicago, Ill. Controlling mechanism. No. 1,098,495; June 2; Gaz. vol. 203; p. 48.
- Hahl, Hans J. (See Taub and Hahl.)
- Hahle, Christian F., Riverside, N. J. Furnace-cleaner. No. 1,106,093; Aug. 4; Gaz. vol. 205; p. 179.
- Hahn, Jacob, Buffalo, N. Y. Producing coloring-matter for paper-making and similar manufactures. No. 1,110,775; Sept. 15; Gaz. vol. 206; p. 760.
- Hahn, John N., Cleveland, Ohio. Machine for pasting pasteboard packages. No. 1,111,379; Sept. 22; Gaz. vol. 206; p. 1012.
- Hahn, John N., Cleveland, Ohio. Packing tray and case. No. 1,116,694; Nov. 10; Gaz. vol. 208; p. 467.
- Hahn, John N., Cleveland, Ohio. Packing-tray for fragile articles. No. 1,116,695; Nov. 10; Gaz. vol. 208; p. 467.
- Hahn, Paul, Niederlahnstein-on-the-Rhine, Germany. Yarn-mercerizing machine. No. 1,087,442; Feb. 17; Gaz. vol. 199; p. 745.
- Hahnemann, Walter, Kiel, Germany. Antenna structure on aeroplanes for wireless signaling. No. 1,116,059; Nov. 3; Gaz. vol. 208; p. 203.
- Hahnenkamm, Wilhelm, Sindlingen, near Höchst-on-the-Main, assignor to Farbwerke vorm. Meister Lucius & Bruning, Höchst-on-the-Main, Germany. Sulfur dyestuffs and making same. No. 1,083,489; Jan. 6; Gaz. vol. 198; p. 77.
- Hähnle, Max. (See Edwin, Hähnle, and Strasser.)
- Hähnlen, Ewald, Roxbury, Mass., assignor to Holtzer-Cabot Electric Company. Magneto. No. 1,104,795; July 28; Gaz. vol. 204; p. 1029.
- Haidet, Frank C., Canton, Ohio. Embroidery-hoop. No. 1,121,920; Dec. 22; Gaz. vol. 209; p. 1172.
- Haigh, Frederick, Cheddleton, England. Making metal-coated paper. No. 1,101,178; June 23; Gaz. vol. 203; p. 1100.
- Haight, Herbert L., Lansing, Mich. Vending-machine. No. 1,115,527; Nov. 3; Gaz. vol. 208; p. 20.
- Haight, Herbert L., Lansing, Mich. Coin-controlled mechanism. No. 1,115,528; Nov. 3; Gaz. vol. 208; p. 21.
- Haile, James T., Utopia, Tex. Truss. No. 1,086,913; Feb. 10; Gaz. vol. 199; p. 511.
- Haims, Philip L., Redding, Cal. Non-refillable bottle. No. 1,122,914; Dec. 29; Gaz. vol. 209; p. 1555.
- Hain, Leon, Philadelphia, Pa. Breast-supporter. No. 1,087,579; Feb. 17; Gaz. vol. 199; p. 793.
- Hainer Book-Keeping Machine Company. (See Hainer, Whitfield J., assignor.)
- Hainer, Whitfield J., assignor to Hainer Book-Keeping Machine Company, Providence, R. I. Autographic register. No. 1,112,607; Oct. 6; Gaz. vol. 207; p. 76.

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- Haines, Frederick W., East Malvern, Melbourne, Victoria, Australia. Garden-hose support. No. 1,085,084; Jan. 20; Gaz. vol. 198; p. 667.
- Haines, Ida L., Parry, N. J. Dough-cutter. No. 1,088,070; Feb. 24; Gaz. vol. 199; p. 1009.
- Haines, Jones & Cadbury. (See Bacon, Albert E., assignor.)
- Haines, Jones & Cadbury Inc. (See Sharp, Joseph W., Jr., assignor.)
- Haines, Jones & Cadbury. (See Sharp and Bacon, assignors.)
- Hainline, J. R. (See Forman, Robert E., assignor.)
- Hainz, Charles. (See Marek, Ernest, assignor.)
- Hairlight Company, The. (See Damon, Russell H., assignor.)
- Hairston, William R. D., Nettleton, Miss. Blacksmith's tongs. No. 1,096,835; May 19; Gaz. vol. 202; p. 643.
- Haist, Wade E., Albia, Iowa. Receptacle. No. 1,102,499; July 7; Gaz. vol. 204; p. 97.
- Haizmann, Friedrich, Stuttgart, Germany. Attachment for door-latch handles. No. 1,097,626; May 26; Gaz. vol. 202; p. 964.
- Hajek, William F., Chicago, Ill. Fire-escape. No. 1,084,737; Jan. 20; Gaz. vol. 198; p. 551.
- Hajek, William F., Chicago, Ill. Fire-escape. No. 1,111,794; Sept. 29; Gaz. vol. 206; p. 1195.
- Hake, Edward W., Cincinnati, Ohio. Heating-stove. No. 1,099,359; June 9; Gaz. vol. 203; p. 384.
- Hakes, Curtis, Winsted, assignor to The Carter & Hakes Machine Company, Winchester, Conn. Lever-vice. No. 1,092,145; Apr. 7; Gaz. vol. 201; p. 7.
- Hakes, Hudson W., Millbury, Mass. Loom-shuttle. No. 1,121,724; Dec. 22; Gaz. vol. 209; p. 1103.
- Halbach, Ferdinand, Goldenberg, near Remscheid-Haddenbach, Germany. Cutting attachment for motor-vehicles. No. 1,122,742; Dec. 29; Gaz. vol. 209; p. 1493.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Gearing. No. 1,084,577; Jan. 13; Gaz. vol. 198; p. 467.
- Halbleib, Edward A., Rochester, N. Y., assignor to North East Electric Company. Gearing. No. 1,087,288; Feb. 17; Gaz. vol. 199; p. 691.
- Halbleib, Edward A., assignor to Northeast Electric Company, Rochester, N. Y. Storage-battery system. No. 1,087,289; Feb. 17; Gaz. vol. 199; p. 691.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Storage-battery system. No. 1,089,549; Mar. 10; Gaz. vol. 200; p. 348.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Power-transmission mechanism. No. 1,101,539; June 30; Gaz. vol. 203; p. 1274.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Power-transmission mechanism. No. 1,105,904; Aug. 4; Gaz. vol. 205; p. 110.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Electric system. No. 1,115,811; Nov. 3; Gaz. vol. 208; p. 115.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Electric system. No. 1,115,812; Nov. 3; Gaz. vol. 208; p. 116.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Electric system for automobiles. No. 1,116,883; Nov. 10; Gaz. vol. 208; p. 533.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Method of and apparatus for forming commutators. No. 1,119,150; Dec. 1; Gaz. vol. 209; p. 87.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Power-transmission mechanism. No. 1,119,151; Dec. 1; Gaz. vol. 209; p. 88.
- Halborg, Carl J., Rockford, Ill. Machine for backing off hobs or cutters for cutting gears. No. 1,092,571; Apr. 7; Gaz. vol. 201; p. 154.
- Hald, Martin R., Fresno, Cal. Adjustable wrench. No. 1,106,557; Aug. 11; Gaz. vol. 205; p. 384.
- Haldeman, Charles F., assignor to The Silver Manufacturing Company, Salem, Ohio. Feeding mechanism for ensilage-cutters. No. 1,094,557; Apr. 28; Gaz. vol. 201; p. 960.
- Haldeman, Charles F., assignor to The Silver Manufacturing Company, Salem, Ohio. Gearing. No. 1,121,921; Dec. 22; Gaz. vol. 209; p. 1172.
- Haldeman, Edward C., Philadelphia, Pa. Conical-sanitary-cup holder. No. 1,113,618; Oct. 13; Gaz. vol. 207; p. 463.
- Haldeman, Frank M., assignor to The Master Builders Company, Cleveland, Ohio. Aggregate for concrete. No. 1,113,555; Oct. 13; Gaz. vol. 207; p. 443.
- Haldewang, Richard F. (See Bernartz, Haldewang, and Braunsdorf.)
- Hale, Arthur, Rowlandsville, Md. Reinforced stocking. No. 1,106,208; Aug. 4; Gaz. vol. 205; p. 217.
- Hale, David C., Jr., assignor to The Hale Garment Machinery Co., Cincinnati, Ohio. Garment-pressing machine. No. 1,117,037; Nov. 10; Gaz. vol. 208; p. 586.
- Hale, David C., Jr., assignor to Hale Garment Machinery Company, Cincinnati, Ohio. Garment-pressing machine. No. 1,122,590; Dec. 29; Gaz. vol. 209; p. 1439.
- Hale, Elbert D., Clarkston, Wash. Wrench. No. 1,117,562; Nov. 17; Gaz. vol. 208; p. 810.
- Hale, Elbert D., Clarkston, Wash. Nut-lock. No. 1,117,563; Nov. 17; Gaz. vol. 208; p. 810.
- Hale, Frank E. (See Dye, Ernest C., assignor.)
- Hale, Frank W., assignor to Tuners Supply Company, Somerville, Mass. Tool for boring piano-action parts. No. 1,103,507; July 14; Gaz. vol. 204; p. 491.
- Hale, Frederick M., Catford, London, England. Projectile. No. 1,121,091; Dec. 15; Gaz. vol. 209; p. 847.
- Hale Garment Machinery Company, The. (See Hale, David C., Jr., assignor.)
- Hale, George C., Kansas City, Mo. Amusement apparatus. No. 1,097,627; May 26; Gaz. vol. 202; p. 964.
- Hale, George R. (See Conner and Hale.)
- Hale, John A., Boston, Mass., assignor to The Success Nailless Horseshoe Company, Portland, Me. Nailless horseshoe. No. 1,087,877; Feb. 17; Gaz. vol. 199; p. 894.
- Hale, John W., and J. I. Galey, Grand Prairie, Tex. Boll breaker and cleaner. No. 1,110,776; Sept. 15; Gaz. vol. 206; p. 760.
- Hale and Kilburn Company. (See Budd, Edward G., assignor.)
- Hale and Kilburn Company. (See Gravel, James H., assignor.)
- Hale and Kilburn Company. (See Old, Ausborn F., assignor.)
- Hale and Kilburn Company. (See Schlegell, Victor von, assignor.)
- Hale and Kilburn Company. (See Scott, Walter E., assignor.)
- Hale, Lerley, San Diego, Cal. Tide and wave motor. No. 1,099,085; June 2; Gaz. vol. 203; p. 242.
- Hale, William H., assignor of one-third to H. L. Felser and one-third to R. G. Femia, Pittsburgh, Pa. Lock. No. 1,104,493; July 21; Gaz. vol. 204; p. 876.
- Hale, William H., assignor of one-tenth to P. Winfrey, one-tenth to W. B. Shorter, one-tenth to B. J. Jetter, one-tenth to L. Williams, and one-tenth to W. Thomas, Pittsburgh, Pa. Fire-escape. No. 1,113,158; Oct. 6; Gaz. vol. 207; p. 258.
- Haley, Clay. (See Wyatt and Haley.)
- Haley, Edward J., Jonesboro, La. Automatic fly-proof closet-stool. No. 1,084,426; Jan. 13; Gaz. vol. 198; p. 416.
- Haley, Walker. (See Wyatt and Haley.)
- Halinka, George, and F. Anton, Detroit, Mich. Saw-setting tool. No. 1,102,500; July 7; Gaz. vol. 204; p. 97.
- Halkowicz, Otto. (See Edstrom, Karl A., assignor.)
- Hall, Adolph, South Bend, Wash. Fish-trap. No. 1,088,222; Feb. 24; Gaz. vol. 199; p. 1062.
- Hall, Albert E., assignor to Hall Furnace Co., Inc., Oakland, Cal. Gas-furnace. No. 1,099,876; June 9; Gaz. vol. 203; p. 559.
- Hall, Albert H., West Peru, Me. Toothpick-machine. No. 1,100,431; June 16; Gaz. vol. 203; p. 790.
- Hall, Allen E., Philadelphia, Pa. Shock-absorber. No. 1,101,696; June 30; Gaz. vol. 203; p. 1329.
- Hall, Allen E., Philadelphia, Pa. Shock-absorber. No. 1,102,265; July 7; Gaz. vol. 204; p. 15.
- Hall, Alphonso J., Birmingham, Ala. Axle-spindle. No. 1,086,166; Feb. 3; Gaz. vol. 199; p. 209.
- Hall, Bertie R., Outlook, Saskatchewan, Canada. Shaft-bearing. No. 1,089,701; Mar. 10; Gaz. vol. 200; p. 400.
- Hall, Carl, Brockton, Mass. Die-holder. No. 1,085,037; Jan. 20; Gaz. vol. 198; p. 652.
- Hall, Charles B., assignor to Oscillating Light Co., Inc., Oakland, Cal. Steering attachment for automobile lamps. No. 1,114,136; Oct. 20; Gaz. vol. 207; p. 684.
- Hall, Charles M., assignor to C. M. Hall Lamp Company, Detroit, Mich. Headlight for vehicles. No. 1,087,168; Feb. 17; Gaz. vol. 199; p. 647.
- Hall, Charles W. (See Hall, Walter A. and C. W.)
- Hall, Chester I., assignor, by mesne assignments, to Chicago Electric Meter Company, Chicago, Ill. Bill-printing mechanism. No. 1,087,902; Feb. 17; Gaz. vol. 199; p. 902.
- Hall, Chester I., assignor to Chicago Electric Meter Company, Chicago, Ill. Contact-making mechanism. No. 1,101,540; June 30; Gaz. vol. 203; p. 1275.
- Hall, Chester I., assignor to Chicago Electric Meter Company, Chicago, Ill. Contact-making mechanism. No. 1,120,712; Dec. 15; Gaz. vol. 209; p. 714.
- Hall, Clarence A., Mount Airy, assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Recovery of values from the leach-water of copper extraction. No. 1,112,608; Oct. 6; Gaz. vol. 207; p. 71.
- Hall, Daniel E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Nail-driving machine for boots and shoe. No. 1,115,529; Nov. 3; Gaz. vol. 208; p. 21.
- Hall, David, Higden, Ark. Rail tie and joint. No. 1,114,751; Oct. 27; Gaz. vol. 207; p. 953.
- Hall, Edgar S., Belfry, Mont. Fifth-wheel. No. 1,105,424; July 28; Gaz. vol. 204; p. 1250.
- Hall, Edward S., Rochester, N. Y. Register. No. 1,108,902; Sept. 1; Gaz. vol. 206; p. 14.
- Hall, Elmon L., assignor to Security Savings and Trust Company, Portland, Oreg. Purification of gases. No. 1,120,475; Dec. 8; Gaz. vol. 209; p. 583.
- Hall, Elwin H., Pawhuska, Okla. Rail-joint. No. 1,110,200; Sept. 8; Gaz. vol. 206; p. 518.

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Hall, F. H., *et al.* (See Watkins, William F., assignor.)
Hall, Frank H., Yonkers, N. Y. Game appliance. No. 1,103,579; July 14; Gaz. vol. 204; p. 518.
Hall, Frank H., Yonkers, N. Y., assignor to Strauss Manufacturing Company. Toy. No. 1,105,652; Aug. 4; Gaz. vol. 205; p. 23.
Hall, Frank L., *et al.* (See Coleman, Clyde, assignor.)
Hall, Franklin F. and R. U., Defiance, Ohio. Seat-support. No. 1,118,762; Nov. 24; Gaz. vol. 208; p. 1268.
Hall, Franklin F. and R. U., Defiance, Ohio. Corn-planter. No. 1,119,152; Dec. 1; Gaz. vol. 209; p. 88.
Hall, Fredrick H., Norton Lindsey, England. Manufacture of reinforced inner tubes of pneumatic tires. No. 1,094,325; Apr. 21; Gaz. vol. 201; p. 819.
Hall Furnace Co. (See Hall, Albert E., assignor.)
Hall, George F., Erie, Pa. Sterilizer. No. 1,114,880; Oct. 27; Gaz. vol. 207; p. 1000.
Hall, Grace, New York, N. Y. Article of furniture. No. 1,086,526; Feb. 10; Gaz. vol. 199; p. 376.
Hall, Gust, St. Frances township, Anoka county, Minn. Coaling device for trains in motion. No. 1,105,271; July 28; Gaz. vol. 204; p. 1194.
Hall, Harry, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Heel-nailing machine. No. 1,119,822; Dec. 8; Gaz. vol. 209; p. 352.
Hall, Hartwell & Company. (See McKay, Joseph, assignor.)
Hall, Henry, assignor of one-half to V. L. Metts, Wylam, Ala. Means to prevent gas explosions in coal-mines. No. 1,119,427; Dec. 1; Gaz. vol. 209; p. 182.
Hall, Hiram T. (See Johnston, Clarence L., assignor.)
Hall, Hiram T., Oakland, Cal. Valve for controlling air-brakes and the like. No. 1,089,640; Mar. 10; Gaz. vol. 200; p. 379.
Hall, Hiram T., Oakland, Cal. Fire-fighting system. No. 1,109,833; Sept. 8; Gaz. vol. 206; p. 385.
Hall, Irvin E., Corvallis, Oreg. Folding gate. No. 1,091,652; Mar. 31; Gaz. vol. 200; p. 1184.
Hall, Isaac A., Paterson, N. J. Lingo. No. 1,098,109; May 26; Gaz. vol. 202; p. 1136.
Hall, Isaiah, Birmingham, England. Metal-furnace. No. 1,100,827; June 23; Gaz. vol. 203; p. 977.
Hall, Isaiah, Birmingham, England. Melting-furnace. No. 1,117,666; Nov. 17; Gaz. vol. 208; p. 847.
Hall, Isaiah, Birmingham, England. Metal-melting furnace. No. 1,117,667; Nov. 17; Gaz. vol. 208; p. 848.
Hall, James B., Philadelphia, Pa. Plastic cake and container therefor. No. 1,121,181; Dec. 15; Gaz. vol. 209; p. 880.
Hall, James T., Coalinga, Cal. Oil-well plug. No. 1,117,669; Nov. 17; Gaz. vol. 208; p. 848.
Hall, James T., assignor to Bunting Iron Works, Coalinga, Cal. Combined calf-wheel and drive member. No. 1,108,576; Aug. 25; Gaz. vol. 205; p. 1186.
Hall, James T., assignor to Bunting Iron Works, Coalinga, Cal. Crown-block for oil-derricks. No. 1,117,668; Nov. 17; Gaz. vol. 208; p. 848.
Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Controller for electric motors. No. 1,084,698; Jan. 20; Gaz. vol. 198; p. 538.
Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Controller for electric motors. No. 1,097,428; May 19; Gaz. vol. 202; p. 852.
Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric control system. No. 1,103,959; July 21; Gaz. vol. 204; p. 693.
Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Motor-controlled system. No. 1,122,743; Dec. 29; Gaz. vol. 209; p. 1493.
Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Motor-control system. No. 1,122,744; Dec. 29; Gaz. vol. 209; p. 1494.
Hall, John B., *et al.* (See Hughes, Davydd C., assignor.)
Hall, John B., Philadelphia, Pa. Maturing immature and frost-bitten cotton-bolls. No. 1,110,928; Sept. 15; Gaz. vol. 206; p. 815.
Hall, John D., Leavenworth, Kans. Printing-machine. No. 1,086,167; Feb. 3; Gaz. vol. 199; p. 209.
Hall, John H. (See Campbell, Hall, and Howe.)
Hall, John L., Schenectady, N. Y., assignor to General Electric Company. Telltale for compasses or the like. No. 1,091,653; Mar. 31; Gaz. vol. 200; p. 1185.
Hall, John L., Schenectady, N. Y., assignor to General Electric Company. Arc-control mechanism for projectors. No. 1,101,629; June 30; Gaz. vol. 203; p. 1307.
Hall, John L., Schenectady, N. Y., assignor to General Electric Company. Search-light mechanism. No. 1,105,771; Aug. 4; Gaz. vol. 205; p. 65.
Hall, Joseph B., Chicago, Ill., assignor to E. R. Williams, Sharpsburg, Pa. Liquid-dispenser. No. 1,107,299; Aug. 18; Gaz. vol. 205; p. 689.
Hall, Joseph P., Oldham, England. Reversing and controlling gear. No. 1,088,657; Feb. 24; Gaz. vol. 199; p. 1205.
Hall Manufacturing Co. (See Wernimont, Frank T., assignor.)
Hall, Newton L., Los Angeles, Cal. Making reinforcing-bars. No. 1,095,324; May 5; Gaz. vol. 202; p. 52.
Hall Printing Press Company. (See White, Joseph, assignor.)
Hall, Ray U. (See Hall, Franklin F. and R. U.)
Hall, Richard B., Fairton, N. J. Shingle for repairing old or leaky roofs. No. 1,090,531; Mar. 17; Gaz. vol. 200; p. 730.
Hall, Samuel A., and C. E. King, Cameron, W. Va. Wagon-reach. No. 1,085,038; Jan. 20; Gaz. vol. 198; p. 652.
Hall, Samuel N., Houston, Tex. Wrench. No. 1,107,936; Aug. 18; Gaz. vol. 205; p. 913.
Hall, Samuel N., Houston, Tex. Pipe-wrench. No. 1,107,937; Aug. 18; Gaz. vol. 205; p. 914.
Hall, Samuel N., Houston, Tex. Bit-brace. No. 1,107,938; Aug. 18; Gaz. vol. 205; p. 914.
Hall, Selden H., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Sealing discharge-passages of centrifugalizing-machines and the like. No. 1,100,872; June 23; Gaz. vol. 203; p. 992.
Hall, Selden H., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Feed-regulator for centrifugalizing-machines and the like. No. 1,121,622; Dec. 22; Gaz. vol. 209; p. 1067.
Hall Signal Company, The. (See Coleman, Clyde J., assignor.)
Hall Switch & Signal Company. (See Coleman, Clarence W., assignor.)
Hall Switch & Signal Company. (See Coleman, Clyde J., assignor.)
Hall Switch & Signal Company. (See Day, Albert V. T., assignor.)
Hall Switch & Signal Company. (See Gill, Edwin R., assignor.)
Hall Switch & Signal Company. (See Kleinschmidt, Edward E., assignor.)
Hall Switch & Signal Company. (See Lane and Coleman, assignors.)
Hall Switch & Signal Company. (See Lane and Day, assignors.)
Hall Switch & Signal Company. (See Lee, Thomas L., assignor.)
Hall Switch & Signal Company. (See Rhoads, Charles S., Jr., assignor.)
Hall Switch & Signal Company. (See Rugh, Harry O., assignor.)
Hall, Walter A. and C. W., assignors to Railway Improvement Company, New York, N. Y. Time-controlled coasting-indicating device for cars or trains. No. 1,116,418; Nov. 10; Gaz. vol. 208; p. 365.
Hall, Walter W., assignor of one-half to J. Boum, Brooklyn, N. Y. Game apparatus. No. 1,102,501; July 7; Gaz. vol. 204; p. 97.
Hall, William A., New York, N. Y. Making gas from oil. No. 1,105,772; Aug. 4; Gaz. vol. 205; p. 65.
Hall, William A., assignor to The Cincinnati Cooperage Company, Cincinnati, Ohio. Metal-lined package for beer, ale, wine, and other liquids. No. 1,086,169; Feb. 3; Gaz. vol. 199; p. 209.
Hall, William D., Oak Park, Ill. Casting from volatilizable metals or alloys. No. 1,100,132; June 16; Gaz. vol. 203; p. 685.
Hall, William H., Clyde, assignor to Charles W. Shonk Company, Maywood, Ill. Sheet-metal ink-well and calendar-holder. No. 1,087,118; Feb. 17; Gaz. vol. 199; p. 631.
Hall, Willis E., assignor of one-half to C. A. Tatum, New York, N. Y. Apparatus for drying by compressed air. No. 1,091,215; Mar. 24; Gaz. vol. 200; p. 995.
Hall, Wilmer P., Cordele, Ga. Strainer. No. 1,122,745; Dec. 29; Gaz. vol. 209; p. 1494.
Hall, Wynyard M. (See Yeo, Hall, and Goskar.)
Hall, Zebulun R., Okfuskee, Okla. Back-band attachment. No. 1,090,146; Mar. 17; Gaz. vol. 200; p. 594.
Halladay, Arthur E., Wayne, Nebr. Spike. No. 1,120,934; Dec. 15; Gaz. vol. 209; p. 792.
Halladay, Fred G. (See Badger and Halladay.)
Halladay, Lewis P., Streator, Ill. Automobile-bumper. No. 1,106,558; Aug. 11; Gaz. vol. 205; p. 384.
Halladay, Lewis P., Streator, Ill. Automobile-buffer. No. 1,121,828; Dec. 22; Gaz. vol. 209; p. 1140.
Hallam, Edwin A., Portland, Oreg. Drying-kiln. No. 1,119,595; Dec. 1; Gaz. vol. 209; p. 240.
Hallam-Rice Company. (See Tufts, Harry W., assignor.)
Hallanan, Michael, New York, N. Y. Tire. No. 1,092,353; Apr. 7; Gaz. vol. 201; p. 79.
Hallaway, Arthur, West Lebanon, N. Y. Rake-cleaner. No. 1,099,247; June 9; Gaz. vol. 203; p. 344.
Hallbauer, Albert L., Tampa, Fla., assignor to Palmetto Machine Company, Incorporated, Baltimore, Md. Root-grubbing machine. No. 1,089,213; Mar. 3; Gaz. vol. 200; p. 186.
Hallbauer, Albert L., Tampa, Fla., assignor to Palmetto Machine Company, Incorporated, Baltimore, Md. Combined friction and positive clutch. No. 1,093,148; May 26; Gaz. vol. 202; p. 1148.

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- Hallbauer, Albert L., Beverly, Mass., assignor to Palmetto Machine Company, Incorporated, Baltimore, Md. Root-grubbing machine. No. 1,089,361; Mar. 3; Gaz. vol. 200; p. 234.
- Halle, Isidor. (See Imhof and Halle.)
- Hallen, Kasper, Chicago, Ill. Automobile-jack. No. 1,093,405; Apr. 14; Gaz. vol. 201; p. 475.
- Hallenback, Agnes, *et al.* (See Gaillard, Ella N., assignor.)
- Hallenback, Rebecca M., *et al.* (See Gaillard, Ella N., assignor.)
- Hallenbeck, George E., assignor to Baker Brothers, Toledo, Ohio. Machine-tool. No. 1,093,265; Apr. 14; Gaz. vol. 201; p. 427.
- Haller, Adam J., assignor to The Ohio Match Company, Wadsworth, Ohio. Protecting-strip for match and other boxes. No. 1,106,330; Aug. 4; Gaz. vol. 205; p. 256.
- Haller, Max F., Menlo, Wash. Rail-joint. No. 1,117,038; Nov. 10; Gaz. vol. 208; p. 586.
- Haller, Winfield A., New York, N. Y., assignor of one-half to E. F. Gwynn, Pittsburgh, Pa. Vestibule for street-railway cars. No. 1,092,644; Apr. 7; Gaz. vol. 201; p. 181.
- Hallett, Herbert I., Kansas City, Mo. Display-pedestal. No. 1,103,286; July 14; Gaz. vol. 204; p. 417.
- Hallett, William J. (See McCarty, Frank L., assignor.)
- Hallett, William R., Castor, Alberta, Canada. Hydrocarbon-engine. No. 1,106,043; Aug. 4; Gaz. vol. 205; p. 160.
- Hallett, William R., Castor, Alberta, Canada. Rotary valve for explosive-engines. No. 1,109,628; Sept. 1; Gaz. vol. 206; p. 271.
- Halley, George W., Nevada, Iowa. Wheel-guard. No. 1,106,209; Aug. 4; Gaz. vol. 205; p. 217.
- Halley, Henry W., Hutchinson, Kans. Safe-deposit shoe-beel. No. 1,085,254; Jan. 27; Gaz. vol. 198; p. 763.
- Halley, Henry W., Hutchinson, Kans. Ventilating and disinfecting means for shoes. No. 1,103,874; July 14; Gaz. vol. 204; p. 622.
- Hallgreen, Brown V., Philadelphia, Pa. Hose. No. 1,087,443; Feb. 17; Gaz. vol. 199; p. 746.
- Halliday, Samuel J., Watervliet, assignor, by mesne assignments, to Cluett, Peabody & Co., Inc., Troy, N. Y. Tab-inserting mechanism. No. 1,117,564; Nov. 17; Gaz. vol. 208; p. 810.
- Halliday, Wyatt S., Cairo, Ill. Clothes-pounder. No. 1,107,939; Aug. 18; Gaz. vol. 205; p. 915.
- Halling, Charles O., Milan, Minn. Device for drawing sharp edges on metallic bodies. No. 1,090,848; Mar. 24; Gaz. vol. 200; p. 866.
- Halling, Charles O., Milan, Minn. Rural mail-box. No. 1,122,746; Dec. 29; Gaz. vol. 209; p. 1494.
- Halliwell, Reginald F., Rugby, England, assignor to General Electric Company. Governing mechanism for prime movers and auxiliaries. No. 1,085,123; Jan. 27; Gaz. vol. 198; p. 717.
- Hallman, Linwood L. (See Huse, Charles A., assignor.)
- Hallock, Daniel Y., York, Pa. Sled. No. 1,090,052; Mar. 10; Gaz. vol. 200; p. 520.
- Hallongren, Per G. H., Stockholm, Sweden. Driving apparatus for boats. No. 1,118,930; Dec. 1; Gaz. vol. 209; p. 9.
- Hallowell, Howard T., Philadelphia, Pa. Shaft-coupling. No. 1,107,606; Aug. 18; Gaz. vol. 205; p. 800.
- Hallowell, Howard T., Philadelphia, Pa. Making shaft-coupling sleeves. No. 1,107,607; Aug. 18; Gaz. vol. 205; p. 800.
- Hallowell, John W. (See McGrath and Hallowell.)
- Hallsworth, James, assignor of one-third to J. Berry and one-third to R. Berry, Oatman, Ariz. Hydrocarbon-burner. No. 1,098,721; June 2; Gaz. vol. 203; p. 125.
- Hallum, Hans C., Keokuk, Iowa. Wrench. No. 1,122,915; Dec. 29; Gaz. vol. 209; p. 1555.
- Hallwood, Annie. (See Hallwood, Henry S., assignor.)
- Hallwood, Henry S., assignor to A. Hallwood, Columbus, Ohio. Cash-register. No. 1,085,680; Feb. 3; Gaz. vol. 199; p. 36.
- Hallwood, Henry S., assignor to A. Hallwood, Columbus, Ohio. Cash-register. No. 1,085,681; Feb. 3; Gaz. vol. 199; p. 36.
- Hallwood, Henry S., assignor, by mesne assignments, to A. Hallwood, Columbus, Ohio. Cash register, indicator, and recorder. No. 1,086,170; Feb. 3; Gaz. vol. 199; p. 210.
- Halm, Jacob C., Jr. (See Corbin, Horace, assignor.)
- Halmrast, Kristian. (See Bjering, Hans C., assignor.)
- Halogen Products Company, The. (See Aylsworth, Jonas W., assignor.)
- Halpern, Carl, Newark, N. J. Photographic-printing desk. No. 1,112,210; Sept. 29; Gaz. vol. 206; p. 1337.
- Halsall, William J., Greenfield, Ind. Rolling-mill. No. 1,110,625; Sept. 15; Gaz. vol. 206; p. 708.
- Halsey, C. H. (See Long, William T., assignor.)
- Halsey, Edward S., Lynn, assignor to American Gas Light Company of New England, Boston, Mass. Safety automatic valve for gas-burners. No. 1,096,836; May 19; Gaz. vol. 202; p. 644.
- Halsey, Edward S., Lynn, Mass., assignor to Halsey Manufacturing Co., Wilmington, Del. Pipe thermostatic motor. No. 1,105,558; July 28; Gaz. vol. 204; p. 1296.
- Halsey, Edward S., Philadelphia, Pa., assignor to Samuel Cupples Envelope Company, St. Louis, Mo. Envelop. No. 1,121,922; Dec. 22; Gaz. vol. 209; p. 1173.
- Halsey, James T., assignor to Philadelphia Holding Company, Philadelphia, Pa. Car-truck. No. 1,091,431; Mar. 24; Gaz. vol. 200; p. 1063.
- Halsey, James T., assignor to Philadelphia Holding Company, Philadelphia, Pa. Car-truck. No. 1,106,331; Aug. 4; Gaz. vol. 205; p. 256.
- Halsey Manufacturing Co. (See Halsey, Edward S., assignor.)
- Haltenberger, Jules, Indianapolis, Ind. Internal-combustion engine. No. 1,090,147; Mar. 17; Gaz. vol. 200; p. 594.
- Halter, Georges, Newark, N. J., assignor to International Oxygen Company. Valve. No. 1,118,649; Nov. 24; Gaz. vol. 208; p. 1231.
- Haltermann, James R., Anna, Ill. Gasolene-motor. No. 1,106,210; Aug. 4; Gaz. vol. 205; p. 217.
- Halvers, Charles, assignor of one-half to H. Barry, New York, N. Y. Detachable heel. No. 1,122,107; Dec. 22; Gaz. vol. 209; p. 1236.
- Halverson Company, The. (See Halverson, Joseph O., assignor.)
- Halverson, Halbert L., Whitewater, Wis. Grease-cup. No. 1,118,002; Nov. 24; Gaz. vol. 208; p. 1004.
- Halverson, Joseph O., assignor to The Halverson Company, Portland, Oreg. Sterilizer. No. 1,117,039; Nov. 10; Gaz. vol. 208; p. 586.
- Halverson, Lars B., Flandreau, S. D. Penholder for multi-color-writing. No. 1,111,149; Sept. 22; Gaz. vol. 206; p. 934.
- Halvorsen, Gilbert, and O. Kroglund, Birmingham, Ala. Compasses. No. 1,085,415; Jan. 27; Gaz. vol. 198; p. 819.
- Halvorsen-Pande, Gustav, assignor of one-half to F. J. Cushing, Chicago, Ill. Chuck. No. 1,115,310; Oct. 27; Gaz. vol. 207; p. 1152.
- Halvorsen, Severin, Seattle, Wash. Delivery mechanism for commodities. No. 1,121,556; Dec. 15; Gaz. vol. 209; p. 1008.
- Halvorson, Cromwell A. B., Jr., Lynn, Mass., assignor to General Electric Company. Arc-lamp. No. 1,107,061; Aug. 11; Gaz. vol. 205; p. 557.
- Halvorson, Cromwell A. B., Jr., Saugus, Mass., assignor to General Electric Company. Flame arc-lamp. No. 1,118,414; Nov. 24; Gaz. vol. 208; p. 1148.
- Ham, Benjamin A., Boston, Mass. Cement building construction. No. 1,117,040; Nov. 10; Gaz. vol. 208; p. 587.
- Ham, Harry R., assignor to Berlin & Jones Envelope Co., New York, N. Y. Display-case. No. 1,094,326; Apr. 21; Gaz. vol. 201; p. 819.
- Ham, Henry H., Shrewsbury, Mass. Electrical installation. No. 1,112,903; Oct. 6; Gaz. vol. 207; p. 171.
- Ham-Meix Manufacturing Company, The. (See Hamilton, Harry W., assignor.)
- Ham, Perley D., Garfield, N. J. Metallic container. No. 1,111,576; Sept. 22; Gaz. vol. 206; p. 1081.
- Hamacek, Frank, Kewaunee, Wis. Attrition-mill. No. 1,091,654; Mar. 31; Gaz. vol. 200; p. 1185.
- Hamacek, Frank, Kewaunee, Wis. Device for expanding and contracting chains. No. 1,109,834; Sept. 8; Gaz. vol. 206; p. 385.
- Hamaker, Aaron W., New York, N. Y. Fly-killing device. No. 1,084,008; Jan. 13; Gaz. vol. 198; p. 277.
- Hamaker, Aaron W., New York, N. Y. Toy gun. No. 1,106,706; Aug. 11; Gaz. vol. 205; p. 435.
- Haman, Albert L. (See Hummel, Ernest A., assignor.)
- Hamberg, John O. (See Sutton, Crowl, and Hamberg.)
- Hamblen, Armeanous P. (See Quisenberry and Hamblen.)
- Hamblin, Ed, Jr. (See Krauth and Hamblin.)
- Hamblin, Walter J., Perth, Western Australia, Australia. Pipe-wrench. No. 1,098,722; June 2; Gaz. vol. 203; p. 125.
- Hamblin, Walter J., Perth, Western Australia, Australia. Pipe-wrench. No. 1,104,730; July 21; Gaz. vol. 204; p. 958.
- Hamblin, William C., Devils Lake, N. D. Windmill-regulator. No. 1,122,386; Dec. 29; Gaz. vol. 209; p. 1370.
- Hambric, Perle T., Drytown, assignor of one-half to W. E. Darrow, Sutter Creek, Cal. Concentrating apparatus. No. 1,100,971; June 23; Gaz. vol. 203; p. 1029.
- Hambrock, Louis, Jr., assignor to Flood & Conklin Co., Newark, N. J. Varnish-kettle. No. 1,106,142; Aug. 4; Gaz. vol. 205; p. 195.
- Hamburg, Henry P. (See Van Norden, Hamburg, and Harper.)
- Hamburger, Alexander, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Vat dye. No. 1,115,188; Oct. 27; Gaz. vol. 207; p. 1110.
- Hamburger, Alexander, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Vat dye. No. 1,115,189; Oct. 27; Gaz. vol. 207; p. 1111.
- Hamburger, Manes I., Baltimore, Md. Collapsible clothing-form. No. 1,088,340; Feb. 24; Gaz. vol. 199; p. 1101.

Alphabetical list of patentees—Continued.

- Hamburger, Manes I., Baltimore, Md. Umbrella bust-form. No. 1,107,062; Aug. 11; Gaz. vol. 205; p. 557.
- Hamel, Louis C., Appleton, Wis. Windmill-oiler. No. 1,100,970; June 23; Gaz. vol. 203; p. 1029.
- Hamel, Max, Grünau, near Berlin, Germany. Making tanning extracts. No. 1,098,348; May 26; Gaz. vol. 202; p. 1218.
- Hamel, Max, Treptow, near Berlin, assignor to Nitritfabrik Aktiengesellschaft, Cöpenick, near Berlin, Germany. Preparation of gallic acid. No. 1,100,730; June 23; Gaz. vol. 203; p. 944.
- Hamel, Otto, Jersey City, N. J. Mechanical cuspidor. No. 1,098,898; June 2; Gaz. vol. 203; p. 184.
- Hamel Shoe Machinery Co. Inc. (See Beaudry, Zotique, assignor.)
- Hamel Shoe Machinery Company. (See Holbrook, Frank, assignor.)
- Hamel Shoe Machinery Company. (See Valois, Felix E., assignor.)
- Hamer, Louisa J., *et al.* (See Morris, John W. T., assignor.)
- Hamer, Walter. (See Birch and Hamer.)
- Hamer, Walter, and J. H. Howarth, Bolton, assignors of one-half to The Fine Cotton Spinners' and Doublers' Association Limited, Manchester, England. Spinning-mule. No. 1,094,327; Apr. 21; Gaz. vol. 201; p. 820.
- Hammerslag, Arthur A., Pittsburgh, Pa. Producing an explosive mixture. No. 1,093,406; Apr. 14; Gaz. vol. 201; p. 475.
- Hammersley, John, New Comerstown, Ohio. Refrigerating apparatus. No. 1,104,665; July 21; Gaz. vol. 204; p. 935.
- Hames, Harry C., assignor to The Thomas & Armstrong Company, London, Ohio. Ventilator. No. 1,111,831; Sept. 29; Gaz. vol. 206; p. 1208.
- Hamill, Alexander, Baltimore, Md. Tack. No. 1,087,580; Feb. 17; Gaz. vol. 199; p. 793.
- Hamill, James, Honolulu, Hawaii. Centrifugal machine. No. 1,119,350; Dec. 1; Gaz. vol. 209; p. 155.
- Hamill, William W., Glasgow, Scotland. Carbureter. No. 1,104,494; July 21; Gaz. vol. 204; p. 876.
- Hamilton, Belton T., London, England. Aeroplane. No. 1,106,804; Aug. 11; Gaz. vol. 205; p. 469.
- Hamilton, Belton T., Finchley, England. Carbureter. No. 1,111,224; Sept. 22; Gaz. vol. 206; p. 961.
- Hamilton, Benjamin C., San Bernardino, Cal. Sanitary fly and insect catcher. No. 1,085,205; Jan. 27; Gaz. vol. 198; p. 745.
- Hamilton, Benjamin J., Haverhill, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Manufacturing boots and shoes. No. 1,110,323; Sept. 15; Gaz. vol. 206; p. 601.
- Hamilton, Benjamin J., Haverhill, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Upper-stretching machine. No. 1,110,324; Sept. 15; Gaz. vol. 206; p. 601.
- Hamilton, Burnett, and C. C. Timmons, Amarillo, Tex. Street-indicator for cars. No. 1,086,527; Feb. 10; Gaz. vol. 199; p. 376.
- Hamilton, Charles F., Portland, Oreg., assignor to Adjustable Liquid Gauge Company. Adjustable liquid-gage. No. 1,111,455; Sept. 22; Gaz. vol. 206; p. 1038.
- Hamilton, Charles F., Portland, Oreg., assignor to Adjustable Liquid Gauge Company. Faucet connection. No. 1,117,340; Nov. 17; Gaz. vol. 208; p. 909.
- Hamilton, Charles S. (See Johnson, Hamilton, and Van Dyne.)
- Hamilton, Ernest A., Philadelphia, Pa., assignor to Scott Paper Company. Serving-cabinet. No. 1,101,924; June 30; Gaz. vol. 203; p. 1408.
- Hamilton, Ernest A., Philadelphia, Pa., assignor to Scott Paper Company. Cabinet for toilet-paper. No. 1,106,559; Aug. 11; Gaz. vol. 205; p. 384.
- Hamilton, Ernest A., Philadelphia, Pa., assignor to Scott Paper Company. Package for toilet purposes. No. 1,122,108; Dec. 22; Gaz. vol. 209; p. 1237.
- Hamilton, Ernest A., Philadelphia, and F. W. Calvert, Narberth, assignors to Scott Paper Company, Philadelphia, Pa. Paper-package for toilet or towel purposes. No. 1,121,011; Dec. 15; Gaz. vol. 209; p. 818.
- Hamilton, Frank C., New York, N. Y. Combination sash-lock and ventilator-guard. No. 1,087,444; Feb. 17; Gaz. vol. 199; p. 746.
- Hamilton, Fred M. (See Wilkinson and Hamilton.)
- Hamilton, Geo. W., *et al.*, executors. (See Hamilton, Thomas S.)
- Hamilton, George W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Trolley. No. 1,100,731; June 23; Gaz. vol. 203; p. 944.
- Hamilton, Jerome H., Oregon City, Oreg. Saving gold from sand. No. 1,104,112; July 21; Gaz. vol. 204; p. 743.
- Hamilton, Harry W., assignor to The Ham-Meix Manufacturing Company, Indianapolis, Ind. Gas-generator. No. 1,114,984; Oct. 27; Gaz. vol. 207; p. 1037.
- Hamilton, Isham O., Otter Creek, Fla. Protector for turpentine-receivers. No. 1,118,125; Nov. 24; Gaz. vol. 208; p. 1047.
- Hamilton, Jacob S., Plattsburg, Mo. Post-hole auger. No. 1,113,332; Oct. 13; Gaz. vol. 207; p. 363.
- Hamilton, James, assignor to F. L. Pruyn, New York, N. Y. Power-hammer. No. 1,122,591; Dec. 29; Gaz. vol. 209; p. 1440.
- Hamilton, James L., Grand Junction, Colo. Orchard-heater. No. 1,088,658; Feb. 24; Gaz. vol. 199; p. 1205.
- Hamilton, James L., Grand Junction, Colo. Orchard-heater. No. 1,094,401; Apr. 21; Gaz. vol. 201; p. 845.
- Hamilton, James L., Grand Junction, Colo., assignor to Hamilton Orchard Heater Company, Wheeling, W. Va. Orchard-heater. No. 1,091,216; Mar. 24; Gaz. vol. 200; p. 996.
- Hamilton, James L., Grand Junction, Colo., assignor to Hamilton Orchard Heater Company, Wheeling, W. Va. Orchard-heater. No. 1,092,835; Apr. 14; Gaz. vol. 201; p. 279.
- Hamilton, James L., Grand Junction, Colo., assignor to Hamilton Orchard Heater Company, Wheeling, W. Va. Orchard-heater. No. 1,099,175; June 9; Gaz. vol. 203; p. 319.
- Hamilton, John E., Smithton, Pa. Tooth-brush. No. 1,111,019; Sept. 22; Gaz. vol. 206; p. 889.
- Hamilton, John F. (See Cunningham, Ernest A., assignor.)
- Hamilton, John F. (See Lovett, Louis I., assignor.)
- Hamilton, John R., Yonkers, N. Y., assignor to Venturi Alarm Company, Dover, N. J. Automatic sprinkler-head. No. 1,108,362; Aug. 25; Gaz. vol. 205; p. 1111.
- Hamilton, Karl M., Davenport, assignor, by mesne assignments, to The Bettendorf Company, Bettendorf, Iowa. Underframe for cars. No. 1,097,800; May 26; Gaz. vol. 202; p. 1027.
- Hamilton, Karl M., Davenport, Iowa, assignor to American Car and Foundry Company, St. Louis, Mo. Bolster. No. 1,109,629; Sept. 1; Gaz. vol. 206; p. 271.
- Hamilton, Lewis A., Elko, Nev. Railway-tie. No. 1,107,063; Aug. 11; Gaz. vol. 205; p. 558.
- Hamilton Manufacturing Company. (See Welham, Alfred L., assignor.)
- Hamilton, Milo A., Scotts, Mich. Chuck. No. 1,104,113; July 21; Gaz. vol. 204; p. 744.
- Hamilton Orchard Heater Company. (See Hamilton, James L., assignor.)
- Hamilton Orchard Heater Company. (See Scheu, William C., assignor.)
- Hamilton Scale & Tank Company, The. (See Emanuel, Benjamin D., assignor.)
- Hamilton, Thomas S., Tampa, Fla., assignor to The Purified Petroleum Products Company, Carbureter. No. 1,099,086; June 2; Gaz. vol. 203; p. 243.
- Hamilton, Thomas S., deceased, King City, Cal.; W. J. and G. W. Hamilton, executors. Scarf-holding collar attachment. No. 1,103,508; July 14; Gaz. vol. 204; p. 491.
- Hamilton, W. J., *et al.*, executors. (See Hamilton, Thomas S.)
- Hamilton, Walter L., Holyoke, Mass. Truck. No. 1,114,752; Oct. 27; Gaz. vol. 207; p. 954.
- Hamilton, William J., Flint, Mich. Radiator. No. 1,103,010; July 7; Gaz. vol. 204; p. 273.
- Hamilton, William L., Chicago, assignor to H. W. Hacker, La Grange, Ill. Printer's plate-hook. No. 1,084,085; Jan. 13; Gaz. vol. 198; p. 304.
- Hamilton, William M., Philadelphia, Pa. Fortune-telling apparatus. No. 1,092,354; Apr. 7; Gaz. vol. 201; p. 79.
- Hamlin, Denver W., Los Angeles, Cal. Ironing-board. No. 1,090,708; Mar. 17; Gaz. vol. 200; p. 788.
- Hamlin, Don S. (See Miller, Wayne T., assignor.)
- Hamlin, Horace P. (See Upson and Hamlin.)
- Hamlin, John H., Salt Lake City, Utah. Treating building material. No. 1,098,723; June 2; Gaz. vol. 203; p. 125.
- Hamlyn, William, and H. Miller, Brydone, New Zealand. Hame-hook. No. 1,112,132; Sept. 29; Gaz. vol. 206; p. 1308.
- Hamm, William S., Hubbard Woods, Ill., assignor to The Adams & Westlake Company. Automobile-lamp. No. 1,093,618; Apr. 21; Gaz. vol. 201; p. 584.
- Hamm, William S., Hubbard Woods, assignor to The Adams & Westlake Company, Chicago, Ill. Lamp. No. 1,093,619; Apr. 21; Gaz. vol. 201; p. 585.
- Hamm, William S., Hubbard Woods, Ill., assignor to The Adams & Westlake Company. Window-sash and weather-guard therefor. No. 1,102,403; July 7; Gaz. vol. 204; p. 64.
- Hamm, William S., Hubbard Woods, Ill., assignor to The Adams & Westlake Company. Lamp. No. 1,117,841; Nov. 17; Gaz. vol. 208; p. 909.
- Hamm, William S., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,106,377; Aug. 11; Gaz. vol. 205; p. 317.
- Hammack, Martin V., Kansas City, Mo. Trousers appliance. No. 1,104,188; July 21; Gaz. vol. 204; p. 770.
- Hammack, Martin V., Kansas City, Mo. Trousers appliance. No. 1,107,300; Aug. 18; Gaz. vol. 205; p. 689.
- Hammack, William, J. Hedges, and L. Martin, Lancaster, Ohio. Wheel. No. 1,090,711; Mar. 17; Gaz. vol. 200; p. 789.
- Hammalian, Paul M. (See Smith, John J. C., assignor.)
- Hammann, George C., Cincinnati, Ohio. Arch-supporter. No. 1,099,648; June 9; Gaz. vol. 203; p. 482.

Alphabetical list of patentees—Continued.

- Hammann, George C., Cincinnati, Ohio. Arch-support. No. 1,112,005; Sept. 29; Gaz. vol. 206; p. 1266.
- Hammar, Hugo, Delhi, N. Y. Flux for aluminum-solder. No. 1,083,828; Jan. 6; Gaz. vol. 198; p. 187.
- Hammarberg, Albert, *et al.* (See Hultgreen, Charles E., assignor.)
- Hammarstrom, Carl, assignor of one-half to G. Newman, Monessen, Pa. Automobile-fender. No. 1,091,331; Mar. 24; Gaz. vol. 200; p. 1030.
- Hammel, John, Cleveland, Ohio. Vehicle-body. No. 1,090,849; Mar. 24; Gaz. vol. 200; p. 867.
- Hammell, John, Chicago, Ill. Gas-engine. No. 1,109,987; Sept. 1; Gaz. vol. 206; p. 46.
- Hammell, John R., Iliff, Colo. Equalizer for traction-plow hitches. No. 1,088,568; Feb. 24; Gaz. vol. 199; p. 1175.
- Hammen, John J., Sac City, Iowa. Tile-car. No. 1,092,355; Apr. 7; Gaz. vol. 201; p. 80.
- Hammer, Charles, assignor to The American Metal Cap Company, Brooklyn, N. Y. Bottle cap or closure. No. 1,096,364; May 12; Gaz. vol. 202; p. 443.
- Hammer, Frederick H., Highland Park, Mich. Device for printing photographs. No. 1,106,143; Aug. 4; Gaz. vol. 205; p. 196.
- Hammer, Frederick W., Yale, Ill. Brooder for chicks. No. 1,086,045; Feb. 3; Gaz. vol. 199; p. 167.
- Hammer, Fritz, Philadelphia, assignor to E. F. Mason, trustee, Germantown, Pa. Woven pile fabric in imitation of natural fur. No. 1,088,898; Mar. 3; Gaz. vol. 200; p. 77.
- Hammer, Joseph A., Galesville, Wis. Hanger. No. 1,117,842; Nov. 17; Gaz. vol. 208; p. 910.
- Hammer, Stephen, assignor of one-half to T. A. Clarke, Portland, Oreg. Miter-tool. No. 1,095,149; Apr. 28; Gaz. vol. 201; p. 1167.
- Hammerly, Richard, New York, assignor of one-half to F. E. Tilly, Woodhaven, N. Y. Automatic train-stop. No. 1,103,763; July 14; Gaz. vol. 204; p. 583.
- Hammers, Wendell P., Dublin, assignor of one-third to H. Dossett, Eastland county, Tex. Window-shade support. No. 1,120,935; Dec. 15; Gaz. vol. 209; p. 792.
- Hammerschmidt, Anthony F., Grand Rapids, Mich. Metallic railway-tie. No. 1,101,179; June 23; Gaz. vol. 203; p. 1100.
- Hammerschmidt, Anthony F., Grand Rapids, Mich. Rail-fastening device. No. 1,101,180; June 23; Gaz. vol. 203; p. 1100.
- Hammerschmidt, Joseph. (See Ingells, James, assignor.)
- Hammersmith, Charles H., Brookfield, Ill. Shock-absorber. No. 1,113,619; Oct. 13; Gaz. vol. 207; p. 463.
- Hammerstein, Oscar, New York, N. Y. Apparatus for applying elastic lip-protectors to cigars or the like. No. 1,116,419; Nov. 10; Gaz. vol. 208; p. 365.
- Hammerstein, Oscar, New York, N. Y. Treatment of tobacco. No. 1,122,747; Dec. 29; Gaz. vol. 209; p. 1495.
- Hammesfahr, Charles, New York, N. Y. Deodorizing and disinfecting device. No. 1,091,929; Mar. 31; Gaz. vol. 200; p. 1281.
- Hammit, George S., assignor of one-half to L. A. Gessner, Kane, Pa. Glass refining and settling furnace. No. 1,117,565; Nov. 17; Gaz. vol. 208; p. 811.
- Hammit, Leon L., Berwyn, Ill. Collar attachment. No. 1,118,003; Nov. 24; Gaz. vol. 208; p. 1004.
- Hammock Egg Carrier Company. (See Milliron, Ira A., assignor.)
- Hammon, Carl F., assignor to The Novelty Manufacturing Company, Waterbury, Conn. Wind-shield. No. 1,116,267; Nov. 3; Gaz. vol. 208; p. 272.
- Hammon, Charles, Stillwater, Minn. Pocket-safe. No. 1,098,496; June 2; Gaz. vol. 203; p. 48.
- Hammond, Charles H., assignor of one-half to J. S. Markoe, Baltimore, Md. Non-refillable bottle. No. 1,086,324; Feb. 3; Gaz. vol. 199; p. 258.
- Hammond, Charles M., assignor of one-tenth of two-thirds to T. E. Acklen, Memphis, Tenn. Resuscitating apparatus. No. 1,087,942; Feb. 24; Gaz. vol. 199; p. 964.
- Hammond, Ernest S., Valley Junction, Iowa. Hot-box cooler. No. 1,095,108; Apr. 28; Gaz. vol. 201; p. 1153.
- Hammond, Guy L., assignor to Electric Compositor Company, Woonsocket, R. I. Linotype-matrix. No. 1,108,361; Aug. 25; Gaz. vol. 205; p. 1110.
- Hammond, Harris. (See Drew, Warren F., assignor.)
- Hammond, Jennie, Farmingdale, N. Y. Carpet-sweeper attachment. No. 1,110,929; Sept. 15; Gaz. vol. 206; p. 815.
- Hammond, John H., Jr., Gloucester, Mass. System of selective control. No. 1,098,379; June 2; Gaz. vol. 203; p. 8.
- Hammond, John H., Jr., Gloucester, Mass. Automatic ticket-receiver. No. 1,098,380; June 2; Gaz. vol. 203; p. 8.
- Hammond, John H., Jr., Gloucester, Mass. Radiodynamic directive control system. No. 1,115,530; Nov. 3; Gaz. vol. 208; p. 22.
- Hammond, John W. (See Thornton and Hammond.)
- Hammond, Richard, Winnipeg, Manitoba, Canada. Grain-stoker. No. 1,092,356; Apr. 7; Gaz. vol. 201; p. 80.
- Hammond, Robert A., Sandwich, Mass. Dust-deflecting device for car-windows. No. 1,083,536; Jan. 6; Gaz. vol. 198; p. 92.
- Hammond, Robert O., Amityville, assignor to Tywacana Farms Poultry Company, Farmingdale, Long Island, N. Y. Egg-carrier. No. 1,093,407; Apr. 14; Gaz. vol. 201; p. 476.
- Hammond, Robert O., assignor, by mesne assignments, to Tywacana Farms Poultry Company, Farmingdale, N. Y. Egg-mailing case. No. 1,102,191; June 30; Gaz. vol. 203; p. 1504.
- Hammond Typewriter Co., The. (See Lopez, Arthur, assignor.)
- Hammond, Walter F., assignor of one-half to L. Grimes, Rocky Mount, N. C. Crossover connection for fluid-brake systems. No. 1,092,043; Mar. 31; Gaz. vol. 200; p. 1317.
- Hammond, Wilber F., Jr., Bridgeport, Conn. Keyhole-guide. No. 1,112,133; Sept. 29; Gaz. vol. 206; p. 1309.
- Hammond, William C., Sault Ste. Marie, Ontario, Canada. Picket sharpener and shaper. No. 1,108,167; Aug. 25; Gaz. vol. 205; p. 1043.
- Hammond, William D., Los Angeles, Cal. Means for vault protection. No. 1,097,587; May 19; Gaz. vol. 202; p. 905.
- Hammond, William H., Clifford, Mass. Cutting implement. No. 1,122,748; Dec. 29; Gaz. vol. 209; p. 1495.
- Hammond, William P., New York, N. Y. Connector. No. 1,086,820; Feb. 10; Gaz. vol. 199; p. 479.
- Hammond, William P., New York, N. Y. Combined valve-cap and dust-guard for pneumatic-tire valves. No. 1,114,257; Oct. 20; Gaz. vol. 207; p. 729.
- Hammond, William P., Charlestown, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Rack. No. 1,099,849; June 9; Gaz. vol. 203; p. 549.
- Hammond, William P., Charlestown, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-rack. No. 1,100,072; June 16; Gaz. vol. 203; p. 664.
- Hammond, William P., Charlestown, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Joint. No. 1,108,363; Aug. 25; Gaz. vol. 205; p. 1111.
- Hammond, William P., Charlestown, and R. W. Soule, Everett, assignors to C. H. Young, Boston, Mass. Couch-hamock. No. 1,091,130; Mar. 24; Gaz. vol. 200; p. 965.
- Hamon, Louis. (See Morin, Hamon, and Hess.)
- Hampden Manufacturing Company. (See Hickerson, George X., assignor.)
- Hampp, Julius H., New York, N. Y. Material-clamping mechanism for slicing-machines. No. 1,091,655; Mar. 31; Gaz. vol. 200; p. 1185.
- Hampton, Samuel B. (See Filstead, Charles D., assignor.)
- Hampton, Second M., Leaksville, N. C. Cable-guide. No. 1,108,748; Aug. 25; Gaz. vol. 205; p. 1244.
- Hampton, William B., Springfield, Mo. Check-row planter. No. 1,111,577; Sept. 22; Gaz. vol. 206; p. 1082.
- Hampton, William H., New York, N. Y., assignor to The Conley Electric Furnace Company, Incorporated, Wilmington, Del. Electrical furnace for the reduction of copper and other ores. No. 1,100,972; June 23; Gaz. vol. 203; p. 1030.
- Hampton, William H., New York, N. Y., assignor to The Conley Electric Furnace Company, Incorporated, Wilmington, Del. Electric furnace. No. 1,116,884; Nov. 10; Gaz. vol. 208; p. 533.
- Hamrick, Adelbert, *et al.* (See Dow, Floyd, assignor.)
- Hanauer, Charles H. (See Schwanengel and Hanauer.)
- Hanchett, Arthur K., Big Rapids, Mich. Die for saw-swages. No. 1,091,930; Mar. 31; Gaz. vol. 200; p. 1282.
- Hanchett, Frank. (See Ford, William H., assignor.)
- Hancock, Albert B., Dubuque, Iowa. Sad-iron. No. 1,109,988; Sept. 1; Gaz. vol. 206; p. 46.
- Hancock, Ferdinand M., Denton, Tex. Farm-gate. No. 1,118,415; Nov. 24; Gaz. vol. 208; p. 1149.
- Hancock, George, *et al.* (See Beem, Carleton E., assignor.)
- Hancock, Harry W., Charlotte, Mich. Pump. No. 1,108,903; Sept. 1; Gaz. vol. 206; p. 14.
- Hand, Edgar K., Chicago, Ill. Nozzle. No. 1,087,086; Feb. 10; Gaz. vol. 199; p. 567.
- Hand, John L. H., Atco, N. J. Cover for navigation instruments. No. 1,092,645; Apr. 7; Gaz. vol. 201; p. 181.
- Hand Vacuum Sweeper Company. (See Schirra, Julius, assignor.)
- Handelsman, Morris, assignor to Klinger & Bach, New York, N. Y. Blouse. No. 1,085,039; Jan. 20; Gaz. vol. 198; p. 652.
- Handelsman, Morris, and P. Rosenblum, New York, N. Y. Clasp device for garments and other articles. No. 1,087,581; Feb. 17; Gaz. vol. 199; p. 793.
- Handilite Manufacturing Company. (See McAneny, Michael J., assignor.)
- Handler, Edward, Newark, N. J. Music-leaf turner. No. 1,087,535; Feb. 17; Gaz. vol. 199; p. 776.
- Handley, George F., Glendale, assignor, by mesne assignments, to Royal Typewriter Company, Inc., New York, N. Y. Card guiding and holding device for type-writing machines. No. 1,121,829; Dec. 22; Gaz. vol. 209; p. 1140.
- Handley, William J. (See Laraway and Handley.)

Alphabetical list of patentees—Continued.

- Handwerck, Max, Waltershausen, Germany. Hollow article made of paper, cloth, and the like. No. 1,106,211; Aug. 4; Gaz. vol. 205; p. 218.
- Handy Manufacturing Company. (See Bergstrom, Oscar, assignor.)
- Handy, Robert G., Bay City, Mich. Explosive-engine. No. 1,122,387; Dec. 29; Gaz. vol. 209; p. 1370.
- Hane, William L., Ocala, Fla. Combination-tool holder. No. 1,088,569; Feb. 24; Gaz. vol. 199; p. 1176.
- Hanemann, Engelbert, Holyoke, Mass. Carbureter. No. 1,105,134; July 28; Gaz. vol. 204; p. 1145.
- Hanford, John J. (See Lundholm, Charles G., assignor.)
- Hanford, Orin A., Rochester, N. Y., assignor to J. L. Kellogg, Battle Creek, Mich. Packaging-machine. No. 1,091,509; Mar. 31; Gaz. vol. 200; p. 1135.
- Hanford, Orin A., Rochester, N. Y., assignor to J. L. Kellogg, Battle Creek, Mich. Sealing-machine. No. 1,116,696; Nov. 10; Gaz. vol. 208; p. 467.
- Hanford, Orin A., assignor to E. Ocumpaugh, Rochester, N. Y. Printing-machine. No. 1,100,073; June 16; Gaz. vol. 203; p. 665.
- Hanger, James E., Jr., St. Louis, Mo. Artificial limb. No. 1,103,960; July 21; Gaz. vol. 204; p. 693.
- Hanger, James E., Jr., Atlanta, Ga., assignor of one-half to J. R. Fenner, Jamestown, N. Y. Steering mechanism for vehicles. No. 1,083,399; Jan. 6; Gaz. vol. 198; p. 47.
- Hanggi, John A., St. Paul, Minn. Sign. No. 1,105,653; Aug. 4; Gaz. vol. 205; p. 24.
- Hani, Negib B., Paris, France. Shaft or axle bearing. No. 1,098,149; May 26; Gaz. vol. 202; p. 1148.
- Hanigan, Edward, Schenectady, N. Y. Canopy. No. 1,089,214; Mar. 3; Gaz. vol. 200; p. 187.
- Hanington, Robert W., Denver, Colo. Ore-cooler. No. 1,101,433; June 23; Gaz. vol. 203; p. 1186.
- Hanisch, Arthur F., Dayton, Ohio. Folding washbench. No. 1,114,258; Oct. 20; Gaz. vol. 207; p. 730.
- Hanitz, Hans T. R. (See Swabilius and Hanitz.)
- Hanke, Frank C., Modesto, Cal., assignor to General Electric Company. Plug-puller. No. 1,111,380; Sept. 22; Gaz. vol. 206; p. 1013.
- Hanke, Karl W., Berlin, Germany. Means for binding books. No. 1,105,196; July 28; Gaz. vol. 204; p. 1167.
- Hankey, Albert, assignor of one-half to E. Nelson, Galloway, Wis. Elevator. No. 1,093,929; Apr. 21; Gaz. vol. 201; p. 690.
- Hankins, George J., Prairie, Miss. Ash-box. No. 1,114,470; Oct. 20; Gaz. vol. 207; p. 806.
- Hanks, George A., Yonkers, N. Y. Nursing-bottle holder. No. 1,084,427; Jan. 13; Gaz. vol. 198; p. 416.
- Hanks, W. A. (See Aydlott, James M., assignor.)
- Hanley, John S. (See Bacon, Ebenezer S., assignor.)
- Hanley, John W., New York, N. Y. Game apparatus. No. 1,114,608; Oct. 20; Gaz. vol. 207; p. 851.
- Hanlon, John H., Somerville, Mass. Alarm device for track-sanders. No. 1,117,041; Nov. 10; Gaz. vol. 208; p. 587.
- Hanmer, Laurence G., New York, N. Y. Pipe-stem. No. 1,114,753; Oct. 27; Gaz. vol. 207; p. 954.
- Hanna, Benjamin M., Pittsburgh, Pa. Eyeglasses. No. 1,102,909; July 7; Gaz. vol. 204; p. 238.
- Hanna, Benjamin M., Pittsburgh, Pa. Manufacture of glass articles. No. 1,103,961; July 21; Gaz. vol. 204; p. 693.
- Hanna, Benjamin M., Pittsburgh, Pa. Spectacle-glass. No. 1,103,962; July 21; Gaz. vol. 204; p. 694.
- Hanna, Charles M., Logansport, Ind. Steam-heating system. No. 1,119,278; Dec. 1; Gaz. vol. 209; p. 130.
- Hanna, Cyrus T., Philadelphia, Pa. Distilling apparatus. No. 1,102,910; July 7; Gaz. vol. 204; p. 238.
- Hanna, David J., and F. H. Van Houten; said Van Houten assignor to Dutchess Tool Company, Fishkill-on-the-Hudson, N. Y. Bearing and packing gland for mixing-machines. No. 1,093,620; Apr. 21; Gaz. vol. 201; p. 585.
- Hanna, Frank W., Defiance, Iowa. Self-registering water-meter. No. 1,103,410; July 14; Gaz. vol. 204; p. 458.
- Hanna, Gustav H., J. D. Filbin, and F. Amsden, Cleveland, Ohio. Carrier or truck for cans. No. 1,102,658; July 7; Gaz. vol. 204; p. 154.
- Hanna, Hosmer W. (See Schmittinger, John, assignor.)
- Hanna, James, assignor of one-half to C. D. Pruden, Baltimore, Md. Billiard-cue. No. 1,092,100; Mar. 31; Gaz. vol. 200; p. 1337.
- Hanna, John T., Algona, Iowa. Antiskidding device. No. 1,118,280; Nov. 24; Gaz. vol. 208; p. 1100.
- Hanna, Oscar V., Meridian, Tex. Wheel. No. 1,093,988; Apr. 21; Gaz. vol. 201; p. 709.
- Hanna, William T., Cincinnati, Ohio. Feeding fuel in blast-feed stokers. (Reissue.) No. 13,761; June 30; Gaz. vol. 203; p. 1520.
- Hannaford, John, Portland, Oreg. Combined faucet and shampoo-fixture. No. 1,123,189; Dec. 29; Gaz. vol. 209; p. 1653.
- Hannahs, Newell, Laurel, Minn. Stovepipe-fastener. No. 1,099,797; June 9; Gaz. vol. 203; p. 533.
- Hannan, Anna E., Atlantic City, N. J. Form-belt. No. 1,115,927; Nov. 3; Gaz. vol. 208; p. 157.
- Hannan, Dennis B., Gravette, Ark., assignor of one-third to J. A. Newhouse and one-third to J. A. Boecker, Parsons, Kans. Rock-gatherer. No. 1,116,885; Nov. 10; Gaz. vol. 208; p. 534.
- Hanner, Edwin M. (See Logan and Downs, assignors.)
- Hannifin, Arthur V., assignor to Hannifin Manufacturing Company, Chicago, Ill. Chuck. No. 1,089,362; Mar. 3; Gaz. vol. 200; p. 234.
- Hannifin Manufacturing Company. (See Hannifin, Arthur V., assignor.)
- Hannon, George R., Ivesdale, Ill. Railway-rail. No. 1,092,646; Apr. 7; Gaz. vol. 201; p. 181.
- Hannon, Joseph B., and C. H. Von Drak, Chicago, Ill. Curtain-support. No. 1,089,550; Mar. 10; Gaz. vol. 200; p. 348.
- Hannover, Charles H. (See Durant and Hannover.)
- Hanrahan, Francis J., Rupert, Pa. Nut and pipe wrench. No. 1,109,061; Sept. 1; Gaz. vol. 206; p. 73.
- Hanrahan, John E., assignor to The Ad-A-type Matrix Company, Baltimore, Md. Making matrices. No. 1,092,709; Apr. 7; Gaz. vol. 201; p. 201.
- Hanrath, Theodore W., Chicago, Ill. Eraser. No. 1,116,060; Nov. 3; Gaz. vol. 208; p. 203.
- Hans, Edmund E., Minneapolis, Minn. Constant-level lubricator. No. 1,105,773; Aug. 4; Gaz. vol. 205; p. 66.
- Hans, Frederick W. (See Barker, Charles S., assignor.)
- Hansbrough, George W., San Francisco, Cal. Lock connection for structural members. No. 1,102,502; July 7; Gaz. vol. 204; p. 98.
- Hanschen, Ernst, Valentine, Tex. Hoof-gouge. No. 1,122,916; Dec. 29; Gaz. vol. 209; p. 1555.
- Hanscom, William H., Haverhill, and J. S. Larrabee, Lawrence, Mass. Sand paper-cutting machine. No. 1,120,143; Dec. 8; Gaz. vol. 209; p. 463.
- Hansell, Nils V., Bloomfield, N. J., assignor to American Grondal Company, New York, N. Y. Briqueting apparatus. No. 1,105,510; July 28; Gaz. vol. 204; p. 1280.
- Hansen, Abel, Perth Amboy, N. J. Washtub. No. 1,112,790; Oct. 6; Gaz. vol. 207; p. 133.
- Hansen, Alfred C., Willis, Kans. Machine for removing nubbins from corn-ears. No. 1,116,697; Nov. 10; Gaz. vol. 208; p. 468.
- Hansen, Alfred G., Cathlamet, Wash. Shoestring-fastener. No. 1,101,277; June 23; Gaz. vol. 203; p. 1133.
- Hansen, Andrew M. (See Gade, Frank, assignor.)
- Hansen, Arthur I. (See Manthorpe and Hansen.)
- Hansen, Augie L., Evanston, assignor to The Justrite Mfg. Co., Chicago, Ill. Valve-stem for acetylene-lamps. No. 1,084,145; Jan. 13; Gaz. vol. 198; p. 325.
- Hansen, Augie L., Evanston, assignor to The Justrite Mfg. Co., Chicago, Ill. Safety oil-can. No. 1,092,101; Mar. 31; Gaz. vol. 200; p. 1338.
- Hansen, Augie L., assignor to The Justrite Mfg. Co., Chicago, Ill. Shield for portable acetylene-gas lamps. No. 1,093,128; Apr. 14; Gaz. vol. 201; p. 380.
- Hansen, Augie L., assignor to Justrite Manufacturing Company, Chicago, Ill. Lamp. No. 1,109,221; Sept. 1; Gaz. vol. 206; p. 130.
- Hansen, Axel, Cottage Grove, Oreg. Shears. No. 1,104,495; July 21; Gaz. vol. 204; p. 876.
- Hansen, Axel L., Chicago, Ill. Unloading device for trucks and the like. No. 1,122,273; Dec. 29; Gaz. vol. 209; p. 1333.
- Hansen, Charles A., Schenectady, N. Y., assignor to General Electric Company. Zirconium lamp-filament. No. 1,084,629; Jan. 20; Gaz. vol. 198; p. 512.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Hammer-drill. No. 1,084,270; Jan. 13; Gaz. vol. 198; p. 366.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Rock-drilling machine. No. 1,088,984; Mar. 3; Gaz. vol. 200; p. 107.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Chuck for rock-drills. No. 1,091,510; Mar. 31; Gaz. vol. 200; p. 1136.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Percussive drill. No. 1,093,266; Apr. 14; Gaz. vol. 201; p. 427.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Drill-cylinder. No. 1,093,408; Apr. 14; Gaz. vol. 201; p. 476.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Rock-drilling machine. No. 1,097,224; May 19; Gaz. vol. 202; p. 782.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Rock-drilling machine. No. 1,097,225; May 19; Gaz. vol. 202; p. 782.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Oiler. No. 1,105,135; July 28; Gaz. vol. 204; p. 1146.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Oiler. No. 1,109,222; Sept. 1; Gaz. vol. 206; p. 130.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Drill-mounting. No. 1,112,006; Sept. 29; Gaz. vol. 206; p. 1266.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Drill. No. 1,113,620; Oct. 13; Gaz. vol. 207; p. 464.

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- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Combined throttle-valve and oiler. No. 1,122,109; Dec. 22; Gaz. vol. 209; p. 1237.
- Hansen, Charles C., Forest Park, and A. P. Anderson, assignors to Peerless Ice Machine Co., Chicago, Ill. Ice-machine. No. 1,117,186; Nov. 17; Gaz. vol. 208; p. 677.
- Hansen, Charles F., Port Ludlow, Wash., assignor of one-third to E. N. Hansen, one-third to S. R. Hansen, and one-third to F. C. Hansen, St. Paul, Minn. Envelop-sealing device. No. 1,089,375; Mar. 3; Gaz. vol. 200; p. 238.
- Hansen, Charles L., assignor to Gold Medal Camp Furniture Manufacturing Co., Racine, Wis. Folding cot. No. 1,115,813; Nov. 3; Gaz. vol. 208; p. 116.
- Hansen, Christian. (See Hulsfeldt and Hansen.)
- Hansen, Christian, Davenport, Iowa. Lock. No. 1,095,500; May 5; Gaz. vol. 202; p. 113.
- Hansen, Christian, Wiesdorf, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing sulfur and sulfates from sulfites. No. 1,101,740; June 30; Gaz. vol. 203; p. 1343.
- Hansen, Christian, Leverkusen, near Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing sulfur and sulfates. No. 1,102,911; July 7; Gaz. vol. 204; p. 239.
- Hansen, Christian F., Norfolk, Nebr. Metal-casting device. No. 1,113,333; Oct. 13; Gaz. vol. 207; p. 364.
- Hansen, Christoph W. F., Flensburg, Germany. Conveyer. No. 1,096,713; May 12; Gaz. vol. 202; p. 558.
- Hansen, Clifford, Tiffin, Ohio. Friction-clutch. No. 1,115,928; Nov. 3; Gaz. vol. 208; p. 157.
- Hansen, Eyvind N., *et al.* (See Hansen, Charles F., assignor.)
- Hansen, Fritjof C., *et al.* (See Hansen, Charles F., assignor.)
- Hansen, H. Chris. (See Becker, Jacob F., assignor.)
- Hansen, Hans A., and J. M. Schmueser, Smuggler, Colo. Lining for ball or pebble mills. No. 1,083,400; Jan. 6; Gaz. vol. 198; p. 48.
- Hansen, Hans C., Newton, Mass. Rule and lead cutter. No. 1,114,754; Oct. 27; Gaz. vol. 207; p. 955.
- Hansen, Hans C., Christiania, assignor to G. Kjekstad, Røker, and K. Stensrud, Christiania, Norway. Machine for making wooden latticework for plastering. No. 1,121,497; Dec. 15; Gaz. vol. 209; p. 987.
- Hansen, Hans F., Hartland, Wis., and J. C. Scott, Stillman Valley, Ill. Wire-fence stretcher. No. 1,091,217; Mar. 24; Gaz. vol. 200; p. 996.
- Hansen, Hans H., assignor to The Chicago Eye Shield Co., Chicago, Ill. Eye-guard. No. 1,099,147; June 2; Gaz. vol. 203; p. 264.
- Hansen, Harold J., La Crosse, Wis. Priming device for motor-vehicle engines. No. 1,115,814; Nov. 3; Gaz. vol. 208; p. 117.
- Hansen, John M., Pittsburgh, Pa. Pedestal car-truck. No. 1,092,357; Apr. 7; Gaz. vol. 201; p. 81.
- Hansen, John M., Pittsburgh, Pa., assignor to Forged Steel Wheel Company. Dies for reworking car-wheels. No. 1,087,582; Feb. 17; Gaz. vol. 199; p. 793.
- Hansen, John M., Pittsburgh, Pa., assignor to Forged Steel Wheel Company. Apparatus for the manufacture of car-wheels. No. 1,087,583; Feb. 17; Gaz. vol. 199; p. 794.
- Hansen, John S., Brockton, Mass., assignor to O. A. Miller Treeing Machine Company, Portland, Me. Shoe-tree. No. 1,114,349; Oct. 20; Gaz. vol. 207; p. 760.
- Hansen, Joseph. (See Findlay and Hansen.)
- Hansen, Julius, Texas City, Tex. Expressing fluid from paraffin compositions. No. 1,084,738; Jan. 20; Gaz. vol. 198; p. 552.
- Hansen, Julius A., assignor of one-half to T. P. De Groot, Salt Lake City, Utah. Game apparatus. No. 1,119,753; Dec. 1; Gaz. vol. 209; p. 291.
- Hansen, Karl H., Pittsburgh, Pa., assignor to Orenstein-Arthur Koppel Co., Berlin, Germany. Dump-car. No. 1,084,271; Jan. 13; Gaz. vol. 198; p. 366.
- Hansen, Karl H., Pittsburgh, Pa., assignor to Orenstein-Arthur Koppel Co. Dump-car. No. 1,084,272; Jan. 13; Gaz. vol. 198; p. 367.
- Hansen, Karl H., assignor to Orenstein-Arthur Koppel Co., Pittsburgh, Pa. Dump-car. No. 1,106,805; Aug. 11; Gaz. vol. 205; p. 470.
- Hansen, Laurits C., Liberty, Saskatchewan, Canada. Train stopping and signaling system. No. 1,117,042; Nov. 10; Gaz. vol. 208; p. 587.
- Hansen, Ludwig, Fertile, Minn. Chain-drive with reverse. No. 1,115,815; Nov. 3; Gaz. vol. 208; p. 117.
- Hansen, Mads, Bancroft, Nebr. Stack-cover. No. 1,114,755; Oct. 27; Gaz. vol. 207; p. 955.
- Hansen, Marius H., Chicago, Ill. Weighing-scale. No. 1,116,268; Nov. 3; Gaz. vol. 208; p. 272.
- Hansen, Martin T., Trenton, N. J. Rail-tie. No. 1,083,322; Jan. 6; Gaz. vol. 198; p. 21.
- Hansen, Niels, Stanwood, Wash. Crosscut-sawing apparatus. No. 1,110,777; Sept. 15; Gaz. vol. 206; p. 761.
- Hansen, Niels A., Seattle, Wash. Knockdown cabinet. No. 1,113,432; Oct. 13; Gaz. vol. 207; p. 400.
- Hansen, Oscar. (See Flagstad, Hansen, and Flagstad.)
- Hansen, Peter H. (See Wilburn, Minnie C., assignor.)
- Hansen, Robert, assignor to National Auto Cycle Company, Stockton, Cal. Attachment for motor-cycles. No. 1,102,659; July 7; Gaz. vol. 204; p. 154.
- Hansen, Sigurd R., *et al.* (See Hansen, Charles F., assignor.)
- Hansen, Victor, Bowles, Cal. Device for practising writing. No. 1,122,110; Dec. 22; Gaz. vol. 209; p. 1237.
- Hansen and Zimmers. (See Keller, Jeremiah, assignor.)
- Hansey, William D., Chicago, Ill. Brush. No. 1,120,476; Dec. 8; Gaz. vol. 209; p. 584.
- Hansing, Frederick, London, England, assignor to Fiddes, Todd & Corry, Limited, Belfast, Ireland. Means for applying adhesive preparations to the surface of woven fabrics. No. 1,112,134; Sept. 29; Gaz. vol. 206; p. 1309.
- Hanske, Frank F. (See Pounder and Hanske.)
- Hansmann Manufacturing Company. (See Hansmann, Paul, assignor.)
- Hansmann, Paul, assignor to Hansmann Manufacturing Company, Long Prairie, Minn. Steering apparatus for vehicles. No. 1,106,806; Aug. 11; Gaz. vol. 205; p. 470.
- Hanson, Andrew, Alpena, Mich. Measuring-pump. No. 1,122,111; Dec. 22; Gaz. vol. 209; p. 1238.
- Hanson, Annie. (See Labady, Charles E., assignor.)
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Clutch-actuating device. No. 1,084,545; Jan. 13; Gaz. vol. 198; p. 454.
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Adjusting mechanism. No. 1,084,627; Jan. 20; Gaz. vol. 198; p. 511.
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Metal-reducing machine. No. 1,084,628; Jan. 20; Gaz. vol. 198; p. 512.
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Metal-cutting tool. No. 1,089,376; Mar. 3; Gaz. vol. 200; p. 238.
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Metal-reducing machine. No. 1,104,988; July 28; Gaz. vol. 204; p. 1096.
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Drill. No. 1,104,989; July 28; Gaz. vol. 204; p. 1096.
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Metal-working machine. No. 1,110,325; Sept. 15; Gaz. vol. 206; p. 602.
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Metal-working machine. No. 1,118,342; Nov. 24; Gaz. vol. 208; p. 1122.
- Hanson, Bengt M. W., and E. Henrikson, Hartford, Conn. Counterbalancing device. No. 1,084,626; Jan. 20; Gaz. vol. 198; p. 511.
- Hanson, Bengt M. W., and F. C. Allen, assignors to The Pratt & Whitney Company, Hartford, Conn. Shaper. No. 1,084,544; Jan. 13; Gaz. vol. 198; p. 453.
- Hanson, Bengt M. W., and C. L. Grohmann, Hartford, Conn., assignors to Pratt & Whitney Company. Profiling-machine. No. 1,084,625; Jan. 20; Gaz. vol. 198; p. 511.
- Hanson, Bengt M. W., and W. T. Sears, assignors to Pratt & Whitney Company, Hartford, Conn. Speed-indicating mechanism. No. 1,086,528; Feb. 10; Gaz. vol. 199; p. 376.
- Hanson, Bennie P., Eagle Grove, Iowa. Adjustable wagon-tongue. No. 1,100,370; June 16; Gaz. vol. 203; p. 768.
- Hanson, Bennie P., and L. Grenard, Eagle Grove, Iowa. Buggy-pole. No. 1,114,756; Oct. 27; Gaz. vol. 207; p. 955.
- Hanson, Bernard, Martin, Ohio. Corn-planting machine. No. 1,109,835; Sept. 8; Gaz. vol. 206; p. 386.
- Hanson, Christian L., Minneapolis, Minn. Photographic-printing machine. No. 1,090,915; Mar. 24; Gaz. vol. 200; p. 890.
- Hanson, Christian R., Waterloo, Iowa. Pendulum-lamp for clocks. No. 1,106,807; Aug. 11; Gaz. vol. 205; p. 470.
- Hanson, Freeman, Hollis Center, Me. Zigzag harrow. No. 1,091,131; Mar. 24; Gaz. vol. 200; p. 966.
- Hanson, Hans J., assignor to Ann Arbor Machine Company, Ann Arbor, Mich. Baling-press. (Reissue.) No. 13,810; Oct. 20; Gaz. vol. 207; p. 888.
- Hanson, Herman A., Chicago, Ill. Brush. No. 1,088,275; Feb. 24; Gaz. vol. 199; p. 1080.
- Hanson, John, Naas Harbor, British Columbia, Canada. Periscope. No. 1,102,046; June 30; Gaz. vol. 203; p. 1453.
- Hanson, John H., and J. W. Steele, Chicago, Ill. Fuse-plug. No. 1,103,411; July 14; Gaz. vol. 204; p. 458.
- Hanson, Karl L., Herman, Nebr. Furrow-opener for corn-planters. No. 1,108,435; Aug. 25; Gaz. vol. 205; p. 1136.
- Hanson, Lennie A., Deering, N. D. Extension car-step. No. 1,096,837; May 19; Gaz. vol. 202; p. 644.
- Hanson, Neils T., Hawarden, Iowa. Rotary engine. No. 1,086,595; Feb. 10; Gaz. vol. 199; p. 401.
- Hanson, Ole S., Halfa, Iowa. Boiler-flue cleaner. No. 1,099,297; June 9; Gaz. vol. 203; p. 361.
- Hanson, Oscar W., Topeka, Kans., assignor to L. A. Engel, St. Louis, Mo. Machine for making paper boxes. No. 1,085,732; Feb. 3; Gaz. vol. 199; p. 54.

Alphabetical list of patentees—Continued.

- Hanson, Oscar W., Topeka, Kans., assignor to L. A. Engel, St. Louis, Mo. Machine for making paper boxes. No. 1,085,733; Feb. 3; Gaz. vol. 199; p. 55.
- Hanson, Paul, Wild Horse, Colo. Butter-making machine. No. 1,084,086; Jan. 13; Gaz. vol. 198; p. 305.
- Hanson, Paul, Wild Horse, Colo. Butter-making machine. No. 1,089,836; Mar. 10; Gaz. vol. 200; p. 446.
- Hanson, Paul, Wild Horse, Colo. Butter-making machinery. No. 1,095,181; Apr. 28; Gaz. vol. 201; p. 1180.
- Hanson, Paul, Wild Horse, Colo. Cream-tempering device. No. 1,095,727; May 5; Gaz. vol. 202; p. 189.
- Hanson, Paul, Wild Horse, Colo. Butter-making machine. No. 1,095,728; May 5; Gaz. vol. 202; p. 189.
- Hanson, Paul, Wild Horse, Colo. Cream-tempering device. No. 1,095,729; May 5; Gaz. vol. 202; p. 190.
- Hanson, Rufus R., Boston, Mass. Shaft-coupling. No. 1,109,836; Sept. 8; Gaz. vol. 206; p. 386.
- Hanson & Van Winkle Company, The. (See Daniels, John T., assignor.)
- Hanson, William S., Chicago, Ill. Gas-engine starter. No. 1,088,699; Mar. 3; Gaz. vol. 200; p. 10.
- Hansson, Soren, and I. Moeller, assignors of one-third to H. B. Douglas, New Glasgow, Nova Scotia, Canada. Truck-bolster or other car part. No. 1,121,623; Dec. 22; Gaz. vol. 209; p. 1067.
- Hansson, Soren, and I. Moeller, assignors of one-third to H. B. Douglas, New Glasgow, Nova Scotia, Canada. Roller side bearing. No. 1,121,624; Dec. 22; Gaz. vol. 209; p. 1068.
- Hantke, John F., Los Angeles, Cal. Safety-gate for elevators. No. 1,107,608; Aug. 18; Gaz. vol. 205; p. 801.
- Hantsch, Arthur, Linden, N. J. Calculating-machine. No. 1,103,875; July 14; Gaz. vol. 204; p. 622.
- Hanzlik, Herman N., Wonewoc, Wis. Rail fastener and pad. No. 1,114,471; Oct. 20; Gaz. vol. 207; p. 806.
- Hapgood, Clarence H., Toledo, Ohio, assignor to Toledo Scale Company, Jersey City, N. J. Weighing-scale. No. 1,104,496; July 21; Gaz. vol. 204; p. 877.
- Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Dash-pot. No. 1,119,013; Dec. 1; Gaz. vol. 209; p. 39.
- Hapgood, Oscar D., Orange, assignor to Goodell-Pratt Company, Greenfield, Mass. Valve-grinder. No. 1,102,581; July 7; Gaz. vol. 204; p. 127.
- Hapgood, Roswell T., Pittsburgh, Pa. Condensing apparatus. No. 1,086,767; Feb. 10; Gaz. vol. 199; p. 460.
- Happel, Samuel F., Bethlehem, Pa. Seal-lock. No. 1,111,065; Sept. 22; Gaz. vol. 206; p. 905.
- Happer, Hervey L., Minneapolis, Minn. Roaster. No. 1,092,258; Apr. 7; Gaz. vol. 201; p. 45.
- Hara, Toyoyory, San Francisco, Cal. Desiccating eggs. No. 1,100,973; June 23; Gaz. vol. 203; p. 1030.
- Haralson, Harold. (See La Mar and Haralson.)
- Haralson, William M., and J. F. Pilkington, Dallas, Tex. Telephone equipment. No. 1,100,480; June 16; Gaz. vol. 203; p. 806.
- Harbaugh, Howard E., Kenosha, Wis. Sash or shutter operating and fastening device. No. 1,113,334; Oct. 13; Gaz. vol. 207; p. 364.
- Harbaugh, Howard E., Kenosha, Wis. Feeder for printing-presses. No. 1,116,587; Nov. 10; Gaz. vol. 208; p. 427.
- Harbaugh, Simon J., assignor to Greeley Printery, St. Louis, Mo. Bookbinding. No. 1,086,768; Feb. 10; Gaz. vol. 199; p. 461.
- Harbeck, Jervis R., assignor to Detroit Can Company, Detroit, Mich. Pouring-spout for paper or fibrous-material cans or receptacles. No. 1,099,896; June 9; Gaz. vol. 203; p. 567.
- Harbeck Motors Company. (See Ewing, Edgar A., assignor.)
- Harblan, Sarkis, St. Louis, Mo. Rotary hand-operated brush. No. 1,120,812; Dec. 15; Gaz. vol. 209; p. 748.
- Harbinger, Waldemar, London, England. Boat-lowering apparatus for vessels. No. 1,106,094; Aug. 4; Gaz. vol. 205; p. 179.
- Harbot, Delbert D., Nichols, N. Y. Screw-driving machine. No. 1,093,848; Apr. 21; Gaz. vol. 201; p. 663.
- Harcke, Gustav E., assignor to American Pin Company, Waterbury, Conn. Machine for feeding safety-pin shields and the like. No. 1,119,823; Dec. 8; Gaz. vol. 209; p. 353.
- Harcourt, Harry S., assignor of one-half to S. D. Myers, Erie, Pa. Automatic gate for pulp-boxes. No. 1,123,124; Dec. 29; Gaz. vol. 209; p. 1629.
- Hard, August H., Kewanee, Ill. Water-heater. No. 1,089,551; Mar. 10; Gaz. vol. 200; p. 349.
- Hard Manufacturing Company. (See Hulpian, Charles, assignor.)
- Hardee, P. T. (See Davis, William R., assignor.)
- Harden, Harry, assignor of one-half to R. L. Farrar, London, Ohio. Seeder attachment for gang and sulky plows. No. 1,092,358; Apr. 7; Gaz. vol. 201; p. 81.
- Härden, Johannes, Schenectady, N. Y., assignor to General Electric Company. Arc-lamp. No. 1,088,276; Feb. 24; Gaz. vol. 199; p. 1080.
- Hardenbergh, Abner, Dunkirk, N. Y. Hand-truck. No. 1,115,428; Oct. 27; Gaz. vol. 207; p. 1192.
- Hardenbergh, Abner, Dunkirk, N. Y. Hand-truck. (Re-issue.) No. 13,846; Dec. 15; Gaz. vol. 209; p. 1024.
- Harder, Alexander P., Rockford, Ill. Furnace. No. 1,105,136; July 28; Gaz. vol. 204; p. 1146.
- Harder, Burt S. (See Mathias and Harder.)
- Hardick, William, Cadillac, assignor of one-half to L. A. Ogden, Grand Rapids, Mich. Turnbuckle. No. 1,110,201; Sept. 8; Gaz. vol. 206; p. 518.
- Hardick, William, Cadillac, and L. A. Ogden, Grand Rapids, assignors of one-third to G. Johnston, Cadillac, Mich. Switch-throw. No. 1,110,626; Sept. 15; Gaz. vol. 206; p. 709.
- Hardie, James G., Canton, N. Y. Sheet-feeding machine. No. 1,112,791; Oct. 6; Gaz. vol. 207; p. 133.
- Hardie, Robert, Ashfield, near Sydney, New South Wales, Australia. Dental articulator. No. 1,102,741; July 7; Gaz. vol. 204; p. 181.
- Hardiman, Thomas F., Oxford, N. J. Extension-step for railway-cars. No. 1,092,044; Mar. 31; Gaz. vol. 200; p. 1317.
- Hardin, Louis A. (See Osmer, John E., assignor.)
- Hardin, Louis A., assignor of one-half to J. E. Osmer, Boone, Iowa. Fire-door and operating mechanism therefor. No. 1,084,087; Jan. 13; Gaz. vol. 198; p. 305.
- Hardin, Luther E., Chicago, Ill. Advertising and amusement device. No. 1,090,207; Mar. 17; Gaz. vol. 200; p. 616.
- Hardin, Otis, Somis, Cal. Piston. No. 1,115,929; Nov. 3; Gaz. vol. 208; p. 158.
- Harding, Charles K., Chicago, Ill. Popping corn. No. 1,104,990; July 28; Gaz. vol. 204; p. 1096.
- Harding, Frank. (See French, William D., assignor.)
- Harding, Hiram R., Richmond, Va. Railway-switch thrower. No. 1,099,036; June 2; Gaz. vol. 203; p. 228.
- Harding, Jesse S., Stoughton, assignor of one-half to C. D. Dyer, Whitman, Mass. Brake slack-adjuster. No. 1,109,837; Sept. 8; Gaz. vol. 206; p. 386.
- Harding, Jesse S., Stoughton, assignor of one-half to C. D. Dyer, Whitman, Mass. Automatic slack-adjusting device. No. 1,120,936; Dec. 15; Gaz. vol. 209; p. 792.
- Harding, Lester E., assignor of one-fourth to E. M. Ward and one-fourth to H. Harris, Sioux City, Iowa. Farm-tractor. No. 1,120,477; Dec. 8; Gaz. vol. 209; p. 584.
- Harding, Samuel B., Waukesha, Wis., assignor to Modern Steel Structural Company. Stiff-leg derrick. No. 1,100,873; June 23; Gaz. vol. 203; p. 993.
- Harding, William B. (See Bowne, John D., assignor.)
- Hardinge Bros. (See Hardinge, Franklin, assignor.) (Re-issue.)
- Hardinge Bros. (See McCormack, James L. L., assignor.)
- Hardinge Conical Mill Company. (See Hardinge, Harry W., assignor.)
- Hardinge, Franklin, assignor to Hardinge Bros., Chicago, Ill. Watchman's clock. (Reissue.) No. 13,743; June 9; Gaz. vol. 203; p. 570.
- Hardinge, Franklin, assignor to Hardinge Brothers, Chicago, Ill. Machine-bench. No. 1,107,609; Aug. 18; Gaz. vol. 205; p. 801.
- Hardinge, Harry W., New York, N. Y. Apparatus for sizing comminuted ore or other material. No. 1,098,497; June 2; Gaz. vol. 203; p. 49.
- Hardinge, Harry W., assignor to Hardinge Conical Mill Company, New York, N. Y. Apparatus for grinding ores and other materials. No. 1,115,531; Nov. 3; Gaz. vol. 208; p. 22.
- Hardisty, Henry, Raymond, Wash. Tree-felling scaffold. No. 1,117,374; Nov. 17; Gaz. vol. 208; p. 745.
- Hardman, George H., Fall River, Mass. Railway-tie. No. 1,110,684; Sept. 15; Gaz. vol. 206; p. 730.
- Hardman, Herbert V., Belleville, N. J. Shaving-brush and the like. No. 1,106,378; Aug. 11; Gaz. vol. 205; p. 318.
- Hardman, Jesse A., Richburg, N. Y. Rod or pipe clamp. No. 1,100,299; June 16; Gaz. vol. 203; p. 744.
- Hardman, Peck & Co. (See Schwarz and Bjorkland, assignors.)
- Hardman, Peck & Company. (See Hattemer, Justus, assignor.)
- Hardman, Peck & Company. (See Parnham and Hattemer, assignors.)
- Hardsoeg, Fred B., Ottumwa, Iowa. Knockdown carpenter's square. No. 1,102,192; June 30; Gaz. vol. 203; p. 1504.
- Hardsoeg, Lester C., assignor to The Hardsoeg Manufacturing Company, Ottumwa, Iowa. Locking device. No. 1,092,908; Apr. 14; Gaz. vol. 201; p. 304.
- Hardsoeg Manufacturing Company, The. (See Hardsoeg, Lester C., assignor.)
- Hardy, Clement A., Chicago, assignor to Whiting Foundry Equipment Company, Harvey, Ill. Screw-jack locomotive-boist. No. 1,085,734; Feb. 3; Gaz. vol. 199; p. 55.
- Hardy, Frank E. (See Lutes and Hardy.)
- Hardy, Herman F. (See Suggs, Theophilus W., assignor.)
- Hardy, Jean A., Paris, France. Differential gearing. No. 1,093,573; Apr. 14; Gaz. vol. 201; p. 525.
- Hardy, Lawrence P., assignor to L. P. Hardy Printing Company, South Bend, Ind. Coupon or ticket holder. No. 1,092,909; Apr. 14; Gaz. vol. 201; p. 304.
- Hardy, Lucien W., Sycamore, Ga. Valve-cap. No. 1,099,037; June 2; Gaz. vol. 203; p. 228.
- Hardy, Ned C. (See Crowther and Hardy.)

Alphabetical list of patentees—Continued.

- Hardy, Walter V., Indianola, Miss. Electric stove. No. 1,118,763; Nov. 24; Gaz. vol. 208; p. 1268.
- Hare, Charles R., assignor to The Arrow Electric Company, Hartford, Conn. Pull-socket. No. 1,094,206; Apr. 21; Gaz. vol. 201; p. 783.
- Hare, Frank E., Boothbay Harbor, Me. Starting and stopping device for phonographs. No. 1,084,428; Jan. 13; Gaz. vol. 198; p. 416.
- Harford, Havelock, Elbow River, Alberta, Canada. Rotary engine. No. 1,091,132; Mar. 24; Gaz. vol. 200; p. 966.
- Harford, Havelock, Port Alberni, British Columbia, Canada. Rotary steam-engine. No. 1,116,816; Nov. 10; Gaz. vol. 208; p. 510.
- Hargrave, William W., Nashville, Tenn. Dispensing-carton. No. 1,121,355; Dec. 15; Gaz. vol. 209; p. 938.
- Hari, Paul, Portland, Oreg., assignor to Oregon Envelope Company. Envelop. No. 1,104,298; July 21; Gaz. vol. 204; p. 807.
- Haring, Howard, Suffern, N. Y. Railway-tie. No. 1,103,764; July 14; Gaz. vol. 204; p. 584.
- Haring, William H., Suffern, N. Y., assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Steel back and lug for brake-shoes. No. 1,102,582; July 7; Gaz. vol. 204; p. 127.
- Harjes, Frederic W., Ticonic, Iowa. Elevator. No. 1,109,062; Sept. 1; Gaz. vol. 206; p. 73.
- Harker Fire Extinguisher & Fumigator Company Limited, The. (See Harker, George, assignor.)
- Harker, George, Petersham, near Sydney, New South Wales, assignor to The Harker Fire Extinguisher & Fumigator Company Limited, Sydney, Australia. Apparatus for cooling, washing, and drying gaseous products of combustion, and charging the same with fumigants. No. 1,087,290; Feb. 17; Gaz. vol. 199; p. 692.
- Harker, George, Petersham, near Sydney, New South Wales, assignor to The Harker Fire Extinguisher & Fumigator Company Limited, Sydney, Australia. Apparatus for scrubbing and cooling gases for use in fumigating and fire-extinguishing and like purposes. No. 1,103,509; July 14; Gaz. vol. 204; p. 492.
- Harker, James F., Johannesburg, Transvaal, South Africa. Buffer and coupling for railway and road vehicles. No. 1,105,511; July 28; Gaz. vol. 204; p. 1281.
- Harkness, Charles, Providence, assignor to H. C. Dexter, Central Falls, R. I. Hook and eye. No. 1,112,904; Oct. 6; Gaz. vol. 207; p. 172.
- Harkom, John W., Melbourne, Quebec, Canada. Valve. No. 1,112,135; Sept. 29; Gaz. vol. 206; p. 1309.
- Harlan, Andrew J., Sr., London Mills, Ill. Wheel. No. 1,108,749; Aug. 25; Gaz. vol. 205; p. 1244.
- Harlan, Enoch, receiver. (See Dawson, Charles B., assignor.)
- Harlan, Turvett B., Alba, Pa. Ratchet-wrench. No. 1,115,532; Nov. 3; Gaz. vol. 208; p. 23.
- Harland & Wolff. (See Armstrong, William E., assignor.)
- Harlé & Co. (See Harlé, Frédéric A. H., assignor.)
- Harlé, Frédéric A. H., assignor to Harlé & Co., Paris, France. Mooring apparatus for submarine mines. No. 1,103,510; July 14; Gaz. vol. 204; p. 492.
- Harley-Davidson Motor Company. (See Harley, William S., assignor.)
- Harley, William S., Milwaukee, Wis. Internal-combustion engine of the compression type. No. 1,089,128; Mar. 3; Gaz. vol. 200; p. 157.
- Harley, William S., Milwaukee, Wis. Motor-cycle oil-tank. No. 1,090,532; Mar. 17; Gaz. vol. 200; p. 730.
- Harley, William S., Milwaukee, Wis. Three-wheel truck. No. 1,092,910; Apr. 14; Gaz. vol. 201; p. 305.
- Harley, William S., Milwaukee, Wis. Transmission-gearing for motor-propelled vehicles. No. 1,094,558; Apr. 28; Gaz. vol. 201; p. 960.
- Harley, William S., Milwaukee, Wis. Engine. No. 1,097,315; May 19; Gaz. vol. 202; p. 814.
- Harley, William S., Milwaukee, Wis. Transmission-gearing. No. 1,097,546; May 19; Gaz. vol. 202; p. 891.
- Harley, William S., Milwaukee, Wis. Bearing. No. 1,103,044; July 14; Gaz. vol. 204; p. 333.
- Harley, William S., Milwaukee, Wis. Oil-distributing mechanism. No. 1,108,904; Sept. 1; Gaz. vol. 206; p. 15.
- Harley, William S., Milwaukee, Wis. Footboard attachment for motor-cycles. No. 1,116,420; Nov. 10; Gaz. vol. 208; p. 365.
- Harley, William S., assignor to Harley-Davidson Motor Company, Milwaukee, Wis. Muffler. No. 1,122,388; Dec. 29; Gaz. vol. 209; p. 1370.
- Harlin, Curtis C., Walter, Okla. Cow-yoke. No. 1,122,389; Dec. 29; Gaz. vol. 209; p. 1371.
- Harling, Walter, Seattle, Wash. Strainer. No. 1,117,375; Nov. 17; Gaz. vol. 208; p. 745.
- Harling, Walter, Bryn Mawr, Wash., assignor of one-fifth to A. A. Tremp, one-fifth to J. A. Rumford, one-fifth to L. R. Merrick, one-fifth to L. R. Merrick, trustee, and one-fifth to E. Manion, Portland, Oreg. Coin-controlled use-vending directory-cabinet. No. 1,095,855; May 5; Gaz. vol. 202; p. 232.
- Harlow, Walter C., New York, N. Y. Finish for buildings. No. 1,083,323; Jan. 6; Gaz. vol. 198; p. 22.
- Harlow, Walter C., Brooklyn, N. Y., and H. L. Towle, Glenside, Pa. Door-knob. No. 1,103,963; July 21; Gaz. vol. 204; p. 694.
- Harlow, William S., Swampscott, Mass. Switch. No. 1,103,511; July 14; Gaz. vol. 204; p. 492.
- Harmon, Harrison H., Clovis, N. Mex. Pump. No. 1,116,269; Nov. 3; Gaz. vol. 208; p. 273.
- Harmon, Vinal W., Dorchester, Mass. Tank-outflow. No. 1,101,073; June 23; Gaz. vol. 203; p. 1064.
- Harmon, Willis E., Mechanic Falls, Me. Wall and partition structure for buildings. No. 1,117,566; Nov. 17; Gaz. vol. 208; p. 811.
- Harms, Sebo, Danforth, Ill. Saddle-stirrup. No. 1,087,762; Feb. 17; Gaz. vol. 199; p. 856.
- Harn, Charles B., South Brownsville, assignor of one-third to A. D. Pringle and one-third to H. W. Tweed, Brownsville, Pa. Switch-lock. No. 1,092,259; Apr. 7; Gaz. vol. 201; p. 46.
- Harner, Clarence T., Suver, Oreg. Wrench. No. 1,088,985; Mar. 3; Gaz. vol. 200; p. 108.
- Harner, Don F., *et al.* (See Harner, Joseph P., assignor.)
- Harner, George E. (See Dunkle and Harner.)
- Harner, Joseph P., assignor of one-half to J. P. Harner, one-fourth to L. V. Allison, and one-fourth to D. F. Harner, Nevada, Mo. Slip-joint machine. No. 1,084,429; Jan. 13; Gaz. vol. 198; p. 417.
- Harnes, George W., Alliance, Nebr. Waste-cleaning machine. No. 1,105,512; July 28; Gaz. vol. 204; p. 1281.
- Harnishfeger, Alexander, assignor of seven-sixteenths to himself, seven-sixteenths to M. A. Strouse, and two-sixteenths to W. N. Erskine, Evansville, Ind. Holder. No. 1,095,856; May 5; Gaz. vol. 202; p. 232.
- Harnly, David H., Austin, Ill. Adjustable window-shade. No. 1,091,656; Mar. 31; Gaz. vol. 200; p. 1186.
- Harp, Charles B., Los Angeles, Cal. Grab-hook. No. 1,083,537; Jan. 6; Gaz. vol. 198; p. 92.
- Harp, Charles B., Los Angeles, Cal. Bond for hollow-wall construction. No. 1,088,417; Feb. 24; Gaz. vol. 199; p. 1127.
- Harp, Thad S., *et al.* (See Harrison, Henry, assignor.)
- Harper, Abraham T., deceased, Portland, Me.; J. W. Harper, administrator. Paper-cutter. No. 1,116,886; Nov. 10; Gaz. vol. 208; p. 534.
- Harper, Charles W., Everett, Mass. Target apparatus. No. 1,098,255; May 26; Gaz. vol. 202; p. 1185.
- Harper, Eleanor L., executrix. (See Harper, Samuel S.)
- Harper, Eleanor L., executor. (See Van Norden, Hamburg, and Harper.)
- Harper Engineering Company *et al.* (See Harper, William J., assignor.)
- Harper, George H., Columbia City, Ind. Storm-top for buggies. No. 1,099,798; June 9; Gaz. vol. 203; p. 533.
- Harper, James J., Defiance, Ohio. Egg-tester. No. 1,108,364; Aug. 25; Gaz. vol. 205; p. 1112.
- Harper, James W., administrator. (See Harper, Abraham T.)
- Harper, John R., South Hackney, London, England. Rotary engine. No. 1,098,256; May 26; Gaz. vol. 202; p. 1185.
- Harper, John R., Menard, Ill. Mold. No. 1,120,478; Dec. 8; Gaz. vol. 209; p. 584.
- Harper, Perry, Charleston, W. Va. Unlocking member for nut-locks. No. 1,122,112; Dec. 22; Gaz. vol. 209; p. 1238.
- Harper, Samuel S. (See Van Norden, Hamburg, and Harper.)
- Harper, Samuel S., deceased; E. L. Harper, executrix, New York, N. Y., assignor to Air Turbine Company of America, Jersey City, N. J. Windmill. No. 1,096,033; May 12; Gaz. vol. 202; p. 328.
- Harper, Samuel S., deceased; E. L. Harper, executrix, New York, N. Y., assignor to Air Turbine Company of America, Jersey City, N. J. Windmill. No. 1,118,343; Nov. 24; Gaz. vol. 208; p. 1123.
- Harper, Sylvester Q., Fayetteville, Ga. Guano-distributer. No. 1,116,270; Nov. 3; Gaz. vol. 208; p. 273.
- Harper, Walter B., Lake Charles, La., assignor of one-half to The Castana Improved Process Co., Laine, Miss. Extracting products from wood. No. 1,085,416; Jan. 27; Gaz. vol. 198; p. 819.
- Harper, William, Jr., New Bloomfield, Pa., assignor, by mesne assignments, of three-tenths to Harper Engineering Company and seven-tenths to T. A. Nevins, East Orange, N. J. Internal-combustion engine. No. 1,121,584; Dec. 15; Gaz. vol. 209; p. 1018.
- Harpster, William S., assignor, by mesne assignments, to C. A. Hill, Columbus, Ohio. Communion-service tray. No. 1,110,051; Sept. 8; Gaz. vol. 206; p. 463.
- Harpstrite, Frederick. (See Spore and Harpstrite.)
- Harr, John L., Nora Springs, Iowa. Beating and mixing machine. No. 1,090,148; Mar. 17; Gaz. vol. 200; p. 594.
- Harraden, Walter L., Lynn, Mass., assignor to General Electric Company. Arc-light electrode. No. 1,111,381; Sept. 22; Gaz. vol. 206; p. 1013.
- Harrah Manufacturing Company. (See Harrah, Philip J., assignor.)
- Harrah, Philip J., assignor to The Bloomfield Manufacturing Company, Bloomfield, Ind. Wheeled tray. No. 1,087,878; Feb. 17; Gaz. vol. 199; p. 894.

Alphabetical list of patentees—Continued.

- Harrah, Philip J., assignor to Harrah Manufacturing Company, Bloomfield, Ind. Lifting-jack. No. 1,087,879; Feb. 17; Gaz. vol. 199; p. 894.
- Harrah, William F., Niles, Mich., assignor to American Wire Fabrics Company, Clinton, Iowa. Making narrow-width wire fly-screen cloth. No. 1,120,479; Dec. 8; Gaz. vol. 209; p. 584.
- Harrel, Mary, Houston, Tex. Sieve. No. 1,086,596; Feb. 10; Gaz. vol. 199; p. 401.
- Harrell, Jesse F., Indianapolis, Ind. Printing-ink distributor. No. 1,083,680; Jan. 6; Gaz. vol. 198; p. 139.
- Harrigan, Fred T., Turners Falls, Mass. Hasp-fastener. No. 1,087,763; Feb. 17; Gaz. vol. 199; p. 856.
- Harrigan, Herman R. (See Mellinger, Harrigan, Coppage, McDowell, Vedder, and Strobel.)
- Harrigan, Patrick J., McKeesport, Pa. Dump-car. No. 1,114,350; Oct. 20; Gaz. vol. 207; p. 760.
- Harrington, Almema C., executrix. (See Harrington, John.)
- Harrington, Arthur M. (See Scott and Harrington.)
- Harrington, Arthur M., and R. F. Scott, assignors to Edwin Harrington, Son & Co., Inc., Philadelphia, Pa. Bolt-threading machine. No. 1,085,577; Jan. 27; Gaz. vol. 198; p. 870.
- Harrington, Arthur M., and R. F. Scott, assignors to Edwin Harrington, Son & Co., Inc., Philadelphia, Pa. Bolt-facing machine. No. 1,090,298; Mar. 17; Gaz. vol. 200; p. 648.
- Harrington, Arthur M., and R. F. Scott, assignors to Edwin Harrington, Son & Co., Inc., Philadelphia, Pa. Bolt-cutting machine. No. 1,090,299; Mar. 17; Gaz. vol. 200; p. 649.
- Harrington, Charles D., assignor to Harrington Cutlery Company, Southbridge, Mass. Box-seal. No. 1,097,019; May 19; Gaz. vol. 202; p. 707.
- Harrington, Clinton O., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit-controller. No. 1,117,376; Nov. 17; Gaz. vol. 208; p. 745.
- Harrington Cutlery Company. (See Harrington, Charles D., assignor.)
- Harrington, Edward J., North Girard, Pa. Internal-combustion motor. No. 1,102,912; July 7; Gaz. vol. 204; p. 239.
- Harrington, Elizabeth. (See Harrington, Frank S., assignor.)
- Harrington, Frank S., assignor to E. Harrington, New York, N. Y. Tool. No. 1,119,596; Dec. 1; Gaz. vol. 209; p. 240.
- Harrington, Frank W., Sebastopol, Cal. Signal. No. 1,115,668; Nov. 3; Gaz. vol. 208; p. 69.
- Harrington, Glen D., Denver, Colo. Dry concentrator. No. 1,119,950; Dec. 8; Gaz. vol. 209; p. 396.
- Harrington, Hezekiah C., Maroa, Ill. Device for cleaning watering-tanks and the like. No. 1,101,541; June 30; Gaz. vol. 203; p. 1275.
- Harrington, John, deceased, Mountain View, Cal.; A. C. Harrington, executrix. Engine. No. 1,100,974; June 23; Gaz. vol. 203; p. 1030.
- Harrington, John, deceased; A. C. Harrington, executrix, Mountain View, Cal. Internal-combustion engine. No. 1,100,975; June 23; Gaz. vol. 203; p. 1031.
- Harrington, John A. (See Newell and Harrington.)
- Harrington, Leslie, Chicago, Ill., assignor, by mesne assignments, to E. G. Hoffman, L. H. Moore, and H. P. Moses, Fort Wayne, Ind. Elastic wheel. No. 1,103,512; July 14; Gaz. vol. 204; p. 493.
- Harrington, Mabel, Newark, N. J. Brassière. No. 1,095,109; Apr. 28; Gaz. vol. 201; p. 1153.
- Harrington, Philip. (See Burke and Harrington.)
- Harrington & Richardson Arms Company. (See Smith, Frederick, assignor.)
- Harris, Albert E., and J. W. Driver, Bradford, England, assignors to The Salt's Textile Manufacturing Company, Bridgeport, Conn. Battling-frame. No. 1,115,190; Oct. 27; Gaz. vol. 207; p. 1111.
- Harris, Alexander, assignor to L. V. Aronson, Newark, N. J. Pyrophorous lighter. No. 1,084,330; Jan. 13; Gaz. vol. 198; p. 386.
- Harris, Alexander B. B., Chicago, Ill. Rail-fastening. No. 1,096,301; May 12; Gaz. vol. 202; p. 421.
- Harris, Alexander B. B., Chicago, Ill. Rail-fastening. No. 1,098,036; May 26; Gaz. vol. 202; p. 1110.
- Harris, Alfred F., administrator. (See Harris, Charles G.)
- Harris, Arthur L., Swampscott, assignor to A. E. Little & Company, Lynn, Mass. Making shoe-linings. No. 1,095,857; May 5; Gaz. vol. 202; p. 233.
- Harris Automatic Press Company, The. See Anderson, Nels, assignor.)
- Harris Automatic Press Company, The. (See Harris, Charles G., assignor.)
- Harris Automatic Press Company, The. (See Lewis and Wright, assignors.)
- Harris Automatic Press Company, The. (See Minnick, William F., assignor.)
- Harris Automatic Press Company, The. (See Pritchard, Carl G., assignor.)
- Harris Automatic Press Company, The. (See Smith and Wright, assignors.)
- Harris Automatic Press Company, The. (See Wright, Charles J., assignor.)
- Harris, Carl C., Orange, and D. A. Stowell, assignors to Simplex Time Recorder Company, Gardner, Mass. Workman's time-recorder. No. 1,095,158; Apr. 28; Gaz. vol. 201; p. 1171.
- Harris, Charles G., deceased, Niles, Ohio; A. F. Harris, administrator, assignor to The Harris Automatic Press Company. Sheet feed or separator. No. 1,112,609; Oct. 6; Gaz. vol. 207; p. 71.
- Harris, Charles H., Kenosha, Wis. Mold for walls. No. 1,108,073; Aug. 18; Gaz. vol. 205; p. 962.
- Harris, Charles R., Los Angeles, Cal., assignor of one-half to W. Hoyt, Cleveland, Ohio. Rigid element. No. 1,093,267; Apr. 14; Gaz. vol. 201; p. 428.
- Harris, Charles W., and H. Buchholz, Beaver Falls, Pa. Gas-heated sad-iron. No. 1,112,610; Oct. 6; Gaz. vol. 207; p. 72.
- Harris, Christopher C., Bowling Green, Ky. Tobacco-press. No. 1,093,181; Apr. 14; Gaz. vol. 201; p. 399.
- Harris, Clarence H., Cheyenne, Wyo. Extensible table. No. 1,092,045; Mar. 31; Gaz. vol. 200; p. 1318.
- Harris, Clyde D., Helena, Mo. Sleigh attachment for automobiles. No. 1,114,259; Oct. 20; Gaz. vol. 207; p. 730.
- Harris & Cole Bros. (See Harris, Rasmusson, and Inglethron, assignors.)
- Harris Construction Company Limited. (See Guilmont, Joseph W., assignor.)
- Harris, D. J., et al. (See Marrs, Vellie B., assignor.)
- Harris, De Witt C., assignor, by mesne assignments, to Harris Typewriter Manufacturing Company, Fond du Lac, Wis. Type-writer. No. 1,114,757; Oct. 27; Gaz. vol. 207; p. 955.
- Harris, De Witt C., assignor, by mesne assignments, to Harris Typewriter Manufacturing Company, Fond du Lac, Wis. Type-writer. No. 1,115,068; Oct. 27; Gaz. vol. 207; p. 1068.
- Harris, De Witt C., assignor, by mesne assignments, to Harris Typewriter Manufacturing Company, Fond du Lac, Wis. Type-writer. No. 1,115,069; Oct. 27; Gaz. vol. 207; p. 1068.
- Harris, De Witt C., assignor, by mesne assignments, to Harris Typewriter Manufacturing Company, Fond du Lac, Wis. Type-writer. No. 1,115,070; Oct. 27; Gaz. vol. 207; p. 1068.
- Harris, De Witt C., assignor, by mesne assignments, to Harris Typewriter Manufacturing Company, Fond du Lac, Wis. Type-writer. No. 1,115,311; Oct. 27; Gaz. vol. 207; p. 1153.
- Harris, Edward E., Valliant, Okla. Window-shade-controlling device. No. 1,099,360; June 9; Gaz. vol. 203; p. 385.
- Harris, Edward E., assignor to Corona Manufacturing Co., Valliant, Okla. Ratchet-wheel and the like. No. 1,104,666; July 21; Gaz. vol. 204; p. 936.
- Harris, Evans N., Frazer, Mo. Railway-rail tie and rail-fastener. No. 1,110,778; Sept. 15; Gaz. vol. 206; p. 761.
- Harris, Florence M., Brooklyn, N. Y. Bed. No. 1,103,765; July 14; Gaz. vol. 204; p. 584.
- Harris, Ford W., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-breaker. No. 1,113,335; Oct. 13; Gaz. vol. 207; p. 365.
- Harris, Ford W., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,113,433; Oct. 13; Gaz. vol. 207; p. 400.
- Harris, Frank, Wilmington, Ohio. Cultivator. No. 1,094,437; Apr. 28; Gaz. vol. 201; p. 918.
- Harris, Fred R., New York, N. Y., assignor to The American Tobacco Company, Jersey City, N. J. Box-making machine. No. 1,088,899; Mar. 3; Gaz. vol. 200; p. 77.
- Harris, Frederick O., Newark, N. J., assignor to The Brassler Company. Jeweler's assembling-machine. No. 1,094,144; Apr. 21; Gaz. vol. 201; p. 761.
- Harris, George H., Syracuse, N. Y. Internal-combustion engine. No. 1,096,505; May 12; Gaz. vol. 202; p. 489.
- Harris, Harry. (See Harris, William G. and H.)
- Harris, Henry, et al. (See Harding, Lester E., assignor.)
- Harris, Henry E., assignor to Eagle Square Manufacturing Company, South Shaftsbury, Vt. Separable square. No. 1,107,516; Aug. 18; Gaz. vol. 205; p. 768.
- Harris, Hollis H., assignor to The Thew Automatic Shovel Company, Lorain, Ohio. Truck-steering mechanism. No. 1,083,681; Jan. 6; Gaz. vol. 198; p. 140.
- Harris, Hollis H., assignor of one-half to W. L. Hiller, Lorain, Ohio. Device for removing threaded nuts. No. 1,104,497; July 21; Gaz. vol. 204; p. 877.
- Harris, Hugh C., Coeur d'Alene, Idaho. Self-skimming milk-pan. No. 1,089,552; Mar. 10; Gaz. vol. 200; p. 349.
- Harris, Jacob, Montclair, N. J. Metatarsal adjuster. No. 1,091,931; Mar. 31; Gaz. vol. 200; p. 1282.
- Harris, James S., Goldfield, Nev. Hat-fastener. No. 1,094,328; Apr. 21; Gaz. vol. 201; p. 820.
- Harris, James S., and J. A. Graham, assignors of one-third to T. G. Puckett, one-third to D. D. Puckett, and one-third to said Graham, Thompsonville, Ill. Subsoiler. No. 1,109,063; Sept. 1; Gaz. vol. 206; p. 73.
- Harris, James W., et al. (See Glassco, Robert C., assignor.)

Alphabetical list of patentees—Continued.

- Harris, Jesse J., Canonsburg, Pa. Sprinkling-car for mines. No. 1,093,268; Apr. 14; Gaz. vol. 201; p. 428.
- Harris, John, Cleveland, Ohio. Acetylene-generator. No. 1,113,336; Oct. 13; Gaz. vol. 207; p. 365.
- Harris, John A., Los Angeles, Cal. Folding ironing-board. No. 1,121,092; Dec. 15; Gaz. vol. 209; p. 848.
- Harris, John B., Nashville, Tenn. Garbage-incinerator. No. 1,101,925; June 30; Gaz. vol. 203; p. 1408.
- Harris, John G., *et al.* (See Lake and Marks, assignors.)
- Harris, John L. (See Leslie and Harris.)
- Harris, Jonathan W. (See Holmes and Harris.)
- Harris, Joseph R., Fosters Falls, and L. M. Jennings, Star, Va. Automatic wagon-brake. No. 1,096,365; May 12; Gaz. vol. 202; p. 443.
- Harris, Leonard B., Watertown, N. Y. Pumping mechanism for oil-engines. No. 1,119,153; Dec. 1; Gaz. vol. 209; p. 88.
- Harris, Leonard B., Watertown, N. Y. Operating and controlling means for atomizer-valves of internal-combustion engines. No. 1,119,154; Dec. 1; Gaz. vol. 209; p. 89.
- Harris, Leonard B., Watertown, N. Y. Internal-combustion engine. No. 1,122,592; Dec. 29; Gaz. vol. 209; p. 1440.
- Harris, Mark W., Columbus, Ga. Fire-door. No. 1,102,047; June 30; Gaz. vol. 203; p. 1454.
- Harris, Max. (See Kirchhoff, George F., assignor.)
- Harris, Max. (See Kraemer, Frank, assignor.)
- Harris, Myron G., N. P. Rasmusson, and W. C. Inglethron, assignors to Harris & Cole Bros., Cedar Falls, Iowa. Hay-loader. No. 1,086,597; Feb. 10; Gaz. vol. 199; p. 401.
- Harris, Percy R., Roy, N. Mex. Rein-holder. No. 1,121,830; Dec. 22; Gaz. vol. 209; p. 1140.
- Harris Player Piano Company. (See Goolman, Fred R., assignor.)
- Harris, Richard G., assignor of one-third to J. W. Hill and one-third to I. W. Hill, Bearden, Tenn. Miner's lamp. No. 1,109,415; Sept. 1; Gaz. vol. 206; p. 199.
- Harris, Roy, Winchester, Idaho. Device for raising logs. No. 1,106,651; Aug. 11; Gaz. vol. 205; p. 417.
- Harris, Sanford, Monrovia, Cal. Burglar-alarm. No. 1,107,064; Aug. 11; Gaz. vol. 205; p. 558.
- Harris, Thaddeus S., Waverly, Ill. Vehicle steering device. No. 1,084,430; Jan. 13; Gaz. vol. 198; p. 418.
- Harris, Thaddeus S., Waverly, Ill. Vehicle steering device. No. 1,119,014; Dec. 1; Gaz. vol. 209; p. 40.
- Harris, Thomas H., Birmingham, England. Radiator. No. 1,095,570; May 5; Gaz. vol. 202; p. 136.
- Harris Typewriter Manufacturing Company. (See Harris De Witt C., assignor.)
- Harris Typewriter Manufacturing Company. (See Keller, Julius, assignor.)
- Harris, Varian M., assignor to H. S. Hawley, trustee, Chicago, Ill. Rectifier. No. 1,119,951; Dec. 8; Gaz. vol. 209; p. 396.
- Harris, Varian M., assignor, by mesne assignments, to H. S. Hawley, trustee, Chicago, Ill. Alternating-current motor. No. 1,120,615; Dec. 8; Gaz. vol. 209; p. 632.
- Harris, Varian M., assignor to H. S. Hawley, trustee, Chicago, Ill. Motor-starter. No. 1,120,616; Dec. 8; Gaz. vol. 209; p. 633.
- Harris, William. (See Grad, Kleeberg, and Harris.)
- Harris, William E., Scottsboro, Ala., assignor of one-half to C. L. Jarrett, Springfield, Mo. Door-operating mechanism. No. 1,087,764; Feb. 17; Gaz. vol. 199; p. 856.
- Harris, William E., Scottsboro, Ala., assignor of one-half to C. L. Jarrett, Springfield, Mo. Door-operating mechanism. No. 1,118,764; Nov. 24; Gaz. vol. 208; p. 1269.
- Harris, William G. and H., London, England. Fastening device. No. 1,092,647; Apr. 7; Gaz. vol. 201; p. 182.
- Harris, William T. (See Ivey, Robert W., assignor.)
- Harris, William T., Chicago, Ill. Hydraulic lift. No. 1,086,529; Feb. 10; Gaz. vol. 199; p. 377.
- Harris, William T., Louisville, Ky. Wheel. No. 1,093,849; Apr. 21; Gaz. vol. 201; p. 664.
- Harris, William U., Mobile, Ala. Can-closure. No. 1,084,857; Jan. 20; Gaz. vol. 198; p. 592.
- Harris, William W., Montreal, Quebec, Canada. Metallic railway-tie. No. 1,101,796; June 30; Gaz. vol. 203; p. 1364.
- Harrison, Arthur H., assignor to De Kalb Manufacturing Company, De Kalb, Ill. Dust-mop. No. 1,088,659; Feb. 24; Gaz. vol. 199; p. 1206.
- Harrison, Daniel M., Dyer, Ark. Window-shade roller. No. 1,085,417; Jan. 27; Gaz. vol. 198; p. 819.
- Harrison, Francis R. (See Harrison and Smith, assignors.)
- Harrison, Frederick J. (See Knox and Harrison.)
- Harrison, Frederick J., and W. J. Knox, Dubois, Pa. Brake-shaft mechanism. No. 1,116,698; Nov. 10; Gaz. vol. 208; p. 468.
- Harrison, George E., assignor of one-half to B. S. Pittenger, Philadelphia, Pa. Locking device for cigar-cutters. No. 1,110,930; Sept. 15; Gaz. vol. 206; p. 816.
- Harrison, Harry W., Detroit, Mich. Game apparatus. No. 1,094,559; Apr. 28; Gaz. vol. 201; p. 961.
- Harrison, Henry, assignor of one-fourth to T. S. Harp, Rifle, and one-half to I. L. Avery, Lander, Wyo. Beet-topper. No. 1,095,110; Apr. 28; Gaz. vol. 201; p. 1153.
- Harrison, Henry C., Birmingham, England. Toy-building elements. No. 1,095,858; May 5; Gaz. vol. 202; p. 233.
- Harrison, J. Harvey. (See Côté, George M., assignor.)
- Harrison, James, Glendale, Mo. Telephone system. No. 1,121,356; Dec. 15; Gaz. vol. 209; p. 938.
- Harrison, James G., Goldfield, assignor of one-half to U. C. Harrison, Parkdale, Colo. Combined alarm and electric-light switch. No. 1,108,750; Aug. 25; Gaz. vol. 205; p. 1244.
- Harrison, James R., assignor to M. Rumely Company, LaPorte, Ind. Conveyer. No. 1,109,986; Sept. 8; Gaz. vol. 206; p. 441.
- Harrison, Jesse E., Lamoni, Iowa. Clothes-pounder. No. 1,083,324; Jan. 6; Gaz. vol. 198; p. 22.
- Harrison, John, Philadelphia, Pa. Hand-grip for telephone-standards. No. 1,122,593; Dec. 29; Gaz. vol. 209; p. 1441.
- Harrison, John, assignor of one-third to C. L. McCallister and one-third to W. F. Shea, Santa Rita, N. Mex. Railway-switch. No. 1,111,653; Sept. 22; Gaz. vol. 206; p. 1108.
- Harrison, John J., *et al.* (See Bailey, Fred C., assignor.)
- Harrison, John O., assignor of one-half to J. C. Flannery, Boone, Iowa. Automatic retainer for air-brakes. No. 1,109,287; Sept. 1; Gaz. vol. 206; p. 152.
- Harrison, Joseph D., *et al.* (See Bailey, Fred C., assignor.)
- Harrison, Leonard, Wellsboro, Pa. Window-sash lock. No. 1,090,149; Mar. 17; Gaz. vol. 200; p. 595.
- Harrison, Philip B., assignor to Chicago Railway Equipment Company, Chicago, Ill. Reversible strut for brake-beams. No. 1,105,137; July 28; Gaz. vol. 204; p. 1147.
- Harrison, Philip B., assignor to Chicago Railway Equipment Company, Chicago, Ill. Reversible strut for brake-beams. No. 1,105,138; July 28; Gaz. vol. 204; p. 1147.
- Harrison, Philip B., assignor to Chicago Railway Equipment Company, Chicago, Ill. Core-oven. No. 1,120,937; Dec. 15; Gaz. vol. 209; p. 793.
- Harrison, Robert E., *et al.* (See Bailey, Fred C., assignor.)
- Harrison Safety Boiler Works. (See Gamble, Joseph W., assignor.)
- Harrison Safety Boiler Works. (See Gibson, George H., assignor.)
- Harrison Safety Boiler Works. (See Wallen, Axel B., assignor.)
- Harrison, Samuel M., and W. E. Smith, Chester, W. Va., assignors of one-third to F. R. Harrison, East Liverpool, Ohio. Clothes-line holder. No. 1,107,786; Aug. 18; Gaz. vol. 205; p. 864.
- Harrison, Una C. (See Harrison, James G., assignor.)
- Harrison, Walter, Dewmaine, Ill. Miner's acetylene-gas lamp. No. 1,113,621; Oct. 13; Gaz. vol. 207; p. 464.
- Harrison, Walton, Brooklyn, N. Y. Receiver for wireless communication. No. 1,097,974; May 26; Gaz. vol. 202; p. 1090.
- Harrison, Walton, Brooklyn, N. Y. Receiver for wireless communication. No. 1,116,588; Nov. 10; Gaz. vol. 208; p. 428.
- Harrison, Walton, New York, N. Y. Transmitting sounds by means of Hertzian waves. No. 1,118,004; Nov. 24; Gaz. vol. 208; p. 1004.
- Harrison, Walton, New York, N. Y. Transmitter for wireless communication. No. 1,119,952; Dec. 8; Gaz. vol. 209; p. 397.
- Harrison, Walton, New York, N. Y. System for signaling through space. No. 1,120,054; Dec. 8; Gaz. vol. 209; p. 433.
- Harrison, Walton, New York, N. Y. Transmitting sounds by means of Hertzian waves. No. 1,122,594; Dec. 29; Gaz. vol. 209; p. 1441.
- Harrison, William L., Branford, Conn. Carbon-tetrachlorid package. No. 1,106,144; Aug. 4; Gaz. vol. 205; p. 196.
- Harrison, William R., *et al.* (See Bailey, Fred C., assignor.)
- Harriss, William H., Pawtucket, R. I., assignor to Empire Duplex Gin Company, New York, N. Y. Apparatus for preparing cotton fibers. No. 1,117,567; Nov. 17; Gaz. vol. 208; p. 811.
- Harrisson, James A. G., Canterbury, England. Constant-discharge gage. No. 1,107,065; Aug. 11; Gaz. vol. 205; p. 558.
- Harrold, Elmer. (See Wilderson and Harrold.)
- Harrold, Fredrick, Marion, Ohio. Mixing-valve for explosive-engines. No. 1,111,897; Sept. 29; Gaz. vol. 206; p. 1232.
- Harroun, Ray W., Indianapolis, Ind., assignor, by mesne assignments, to Electric Renovator Manufacturing Company, Pittsburgh, Pa. Carbureter. No. 1,118,126; Nov. 24; Gaz. vol. 208; p. 1048.
- Harrow, Alfred T. (See Nelson, Victor E. and R. G., assignors.)
- Harry Vissering & Company. (See Vissering, Harry, assignor.)
- Harshman, John W. (See Boynton, Harry L., assignor.)
- Harston, Edgar S., *et al.* (See Morris, William H., assignor.)
- Hart, Albert A. (See Thalman and Hart.)
- Hart, Charles L., *et al.* (See Putnam, Israel, assignor.)
- Hart, Cisco W. (See White, Hart, and O'Donnell.)
- Hart & Cooley Company, The. (See Hart, Howard S., assignor.)

Alphabetical list of patentees—Continued.

- Hart, Edward, Easton, Pa., assignor to General Chemical Company, New York, N. Y. Distillation apparatus. No. 1,096,838; May 19; Gaz. vol. 202; p. 645.
- Hart, Edwin A., Wireton, and R. H. Wallace, New Brighton, assignors of one-third to C. D. Beemer, Beaver, Pa. Floor construction. No. 1,116,421; Nov. 10; Gaz. vol. 208; p. 366.
- Hart, Frank R., Santa Cruz, Cal. Hypodermic needle. No. 1,100,181; June 16; Gaz. vol. 203; p. 703.
- Hart, Fred S., Dayton, Ohio. Electric railway signaling device. No. 1,120,813; Dec. 15; Gaz. vol. 209; p. 749.
- Hart, Frederick A., Newark, N. J., assignor to J. T. Underwood, Brooklyn, N. Y. Variable-throw device. No. 1,105,774; Aug. 4; Gaz. vol. 205; p. 66.
- Hart, George H. (See Smart and Hart.)
- Hart, Gerald W., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. Switch. No. 1,103,199; July 14; Gaz. vol. 204; p. 389.
- Hart, Gerald W., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. Snap-switch. No. 1,103,412; July 14; Gaz. vol. 204; p. 459.
- Hart Grain Weigher Co. (See Hart, Wilde, and Brown, assignors.)
- Hart, Harmon E., Laurens, Iowa. Well-cleaner. No. 1,122,917; Dec. 29; Gaz. vol. 209; p. 1556.
- Hart, Harry S., and F. Seaberg, assignors to National Dump Car Company, Chicago, Ill. Operating mechanism. No. 1,122,918; Dec. 29; Gaz. vol. 209; p. 1556.
- Hart, Harry V., Quincy, Ill. Dental casting apparatus. No. 1,105,425; July 28; Gaz. vol. 204; p. 1251.
- Hart & Hegeman Manufacturing Company, The. (See Guett, Monroe, assignor.)
- Hart & Hegeman Manufacturing Company, The. (See Sachs, Joseph, assignor.)
- Hart, Henry R., Montclair, N. J., assignor to A. G. Spalding & Bros., New York, N. Y. Knee-guard. No. 1,092,836; Apr. 14; Gaz. vol. 201; p. 280.
- Hart, Howard S., assignor to The Hart & Cooley Company, New Britain, Conn. Register top plate. No. 1,117,568; Nov. 17; Gaz. vol. 208; p. 811.
- Hart, Hubert C. (See Keyes, Nelson B., assignor.)
- Hart, Hubert C., Unionville, Conn. Square. No. 1,091,332; Mar. 24; Gaz. vol. 200; p. 1030.
- Hart, John M. (See Snyder, Edwin H., assignor.)
- Hart, Leonard D. (See Shirley, Edward E., assignor.)
- Hart, Lester C., assignor to O. R. Jones, Youngstown, Ohio. Safety limit-stop. No. 1,113,337; Oct. 13; Gaz. vol. 207; p. 366.
- Hart Manufacturing Company, The. (See Borden, Bradford, assignor.)
- Hart Manufacturing Company, The. (See Hart, Gerald W., assignor.)
- Hart Manufacturing Company. (See Smart and Hart, assignors.)
- Hart, Ralph E., Geneva, Ind. Sad-iron. No. 1,098,572; June 2; Gaz. vol. 203; p. 76.
- Hart, Richard P., and T. W. Kirkman, New York, N. Y. Match-lighter. No. 1,105,139; July 28; Gaz. vol. 204; p. 1147.
- Hart, Roy R., and H. Nelson, Rapatee, Ill. Grain-car door. No. 1,120,055; Dec. 8; Gaz. vol. 209; p. 434.
- Hart, Sidney H. (See Turner, Cecil L., assignor.)
- Hart, Sidney H., Houston, Tex. Multicylinder internal-combustion engine. No. 1,105,426; July 28; Gaz. vol. 204; p. 1251.
- Hart, Stacy B., W. B. Wilde, and W. F. Brown, assignors to Hart Grain Weigher Co., Peoria, Ill. Hydraulic motor for wagon-dumps. No. 1,098,498; June 2; Gaz. vol. 203; p. 49.
- Hart, Thomas H., Everett, Mass. Device for straightening cans. No. 1,112,792; Oct. 6; Gaz. vol. 207; p. 134.
- Hart, William H. (See Brimson, James H., assignor.)
- Hartbauer, August W. L. (See Sparks and Hartbauer.)
- Hartenstein, Herman L., Chicago, Ill. Graphophone-clock. No. 1,104,260; July 21; Gaz. vol. 204; p. 794.
- Hartenstein, Robert F., et al. (See Hopkes, Henry, assignor.)
- Harter, Alvin M. (See Irvin and Harter.)
- Harter Company, The. (See Harter, Noah S., assignor.)
- Harter, Frank E., Olympia, Wash. Spark-plug. No. 1,090,815; Mar. 17; Gaz. vol. 200; p. 823.
- Harter, Karl L., and H. T. Reynolds, Tampa, Fla. Speed-controlling device. No. 1,111,748; Sept. 29; Gaz. vol. 206; p. 1176.
- Harter, Leander D., Aransas Pass, Tex. Concrete tile for building construction. No. 1,086,821; Feb. 10; Gaz. vol. 199; p. 479.
- Harter, Noah S., assignor to The Harter Company, Waukegan, Ill. Culinary utensil. No. 1,087,943; Feb. 24; Gaz. vol. 199; p. 964.
- Harter, Noah S., assignor to The Harter Company, Waukegan, Ill. Culinary utensil. No. 1,112,447; Oct. 6; Gaz. vol. 207; p. 11.
- Hartford, Edward V. (See Boyce, Harrison H., assignor.)
- Hartford, Edward V., New York, N. Y. Antivibration device for use on wheeled vehicles. No. 1,095,571; May 5; Gaz. vol. 202; p. 136.
- Hartford, Edward V., Deal, N. J. Spring-controller for vehicles. No. 1,121,012; Dec. 15; Gaz. vol. 209; p. 819.
- Hartford Machine Screw Company, The. (See Pearson and Seward, assignors.)
- Hartford Rubber Works Company. (See Fothergill, Edmund W., assignor.)
- Hartford Rubber Works Company. (See Lord, William, assignor.)
- Hartig, Albert W., et al. (See Hartig, William F., assignor.)
- Hartig, Edward G., et al. (See Hartig, William F., assignor.)
- Hartig, Henry W., administrator. (See Hartig, William F.)
- Hartig, William F., deceased; H. W. Hartig, administrator, assignor to A. W. and E. G. Hartig, Evansville, Ind. Adjustable subsoil attachment for plows. No. 1,099,877; June 9; Gaz. vol. 203; p. 560.
- Harting, Clayton C. (See Knapp and Harting.)
- Harting, Clayton C., Woodstock, assignor to The Oliver Typewriter Company, Chicago, Ill. Type-writing machine. No. 1,115,669; Nov. 3; Gaz. vol. 208; p. 70.
- Harting, Herman H. (See Graeber, Frank, assignor.)
- Hartland, Samuel, Youngstown, Ohio. Box-car with movable top. No. 1,099,361; June 9; Gaz. vol. 203; p. 385.
- Hartley, Abraham L., Eugene, Oreg. Spirit-level. No. 1,098,381; June 2; Gaz. vol. 203; p. 8.
- Hartley, Cyril J. (See Hartley, John W. and C. J.)
- Hartley, James, Philadelphia, Pa. Fire alarm and extinguisher. No. 1,084,208; Jan. 13; Gaz. vol. 198; p. 346.
- Hartley, John W., Nashotah, Wis. Spring draft attachment. No. 1,084,699; Jan. 20; Gaz. vol. 198; p. 539.
- Hartley, John W. and C. J., Stone, England. Sewage-distributor. No. 1,106,212; Aug. 4; Gaz. vol. 205; p. 218.
- Hartley, Mary, Chicago, Ill. Foldable shelving. No. 1,099,649; June 9; Gaz. vol. 203; p. 482.
- Hartley, William, assignor of one-half to T. F. Johnson, Leicester, England. Spinning-machine. No. 1,113,434; Oct. 13; Gaz. vol. 207; p. 401.
- Hartman, Albert F. (See Leimberger, Edward, assignor.)
- Hartman, Elisha M., South Bend, Ind. Feathering-propeller. No. 1,099,701; June 9; Gaz. vol. 203; p. 501.
- Hartman, Frank, et al. (See Pugh, Milton E., assignor.)
- Hartman, George F., Oneonta, N. Y. Brake head and shoe for freight-cars. No. 1,116,271; Nov. 3; Gaz. vol. 208; p. 274.
- Hartman, George N., Horicon, Wis. Silo-mold. No. 1,099,038; June 2; Gaz. vol. 203; p. 229.
- Hartman, George W., McKeesport, Pa. Confetti cartridge and gun. No. 1,113,338; Oct. 13; Gaz. vol. 207; p. 366.
- Hartman, Harry B., assignor of one-half to himself and one-half to G. A. Dunning, Philadelphia, Pa. Apparatus for the electrical purification of water. No. 1,101,278; June 23; Gaz. vol. 203; p. 1133.
- Hartman, Henry J., Pittsburgh, Pa. Gearing for wave-motors, &c. No. 1,121,923; Dec. 22; Gaz. vol. 209; p. 1173.
- Hartman, Jacob, Rochester, N. Y. Deposit and collection receptacle. No. 1,110,779; Sept. 15; Gaz. vol. 206; p. 761.
- Hartman, Noble W., Toledo, and J. P. Goggin, Fostoria, Ohio, assignors, by mesne assignments, to General Electric Company. Guide for blow-irons. No. 1,098,724; June 2; Gaz. vol. 203; p. 126.
- Hartman, Rudolph B., Milwaukee, Wis. Chimney. No. 1,088,019; Feb. 24; Gaz. vol. 199; p. 993.
- Hartman, Rudolph B., Milwaukee, Wis. Reinforcement system for concrete columns. No. 1,091,218; Mar. 24; Gaz. vol. 200; p. 996.
- Hartmann, Arthur R., Houston, Tex. Vehicle-axle. No. 1,105,513; July 28; Gaz. vol. 204; p. 1281.
- Hartmann & Braun A.-G. (See Schaefer, Béla, assignor.)
- Hartmann, Carl, Corona, N. Y. Flying-machine. No. 1,104,114; July 21; Gaz. vol. 204; p. 744.
- Hartmann, Dennis I., Brooklyn, N. Y. Shaving and lather brush. No. 1,092,710; Apr. 7; Gaz. vol. 201; p. 201.
- Hartmann, Emil, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Combined buckle and strap-end attachment. No. 1,113,435; Oct. 13; Gaz. vol. 207; p. 401.
- Hartmann, Frederick, Cincinnati, Ohio. Stair construction. No. 1,092,572; Apr. 7; Gaz. vol. 201; p. 154.
- Hartmann, Heinrich, Etterbeek, near Brussels, Belgium. Elastic tire for vehicles. No. 1,104,797; July 28; Gaz. vol. 204; p. 1030.
- Hartmann, Mary S. C., Oakland, Cal. Heat-distributing attachment for stoves. No. 1,101,926; June 30; Gaz. vol. 203; p. 1409.
- Hartmann, Max, Berlin-Neukölln, and O. Schimmel, Berlin, Germany, assignors to Mergenthaler Linotype Company. Galley mechanism for repeating and non-repeating line-casting typographical machines. No. 1,085,567; Jan. 27; Gaz. vol. 198; p. 867.
- Hartmann Trunk Company. (See Wheary, George H., assignor.)
- Hartmann, William C., assignor of one-half to J. M. Freisinger, Milwaukee, Wis. Cream-separator. No. 1,113,005; Oct. 6; Gaz. vol. 207; p. 206.
- Hartnell, Willard L., Clayburn, British Columbia, Canada. Dome-roof construction. No. 1,099,599; June 9; Gaz. vol. 203; p. 465.
- Hartness, James, Springfield, Vt. Chuck. No. 1,084,546; Jan. 13; Gaz. vol. 198; p. 454.

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- Hartness, James, Springfield, Vt. Variable-speed mechanism for metal-working machines. No. 1,090,300; Mar. 17; Gaz. vol. 200; p. 649.
- Hartnett, John F., assignor to The Warner Brothers Company, Bridgeport, Conn. Buckle. No. 1,104,798; July 28; Gaz. vol. 204; p. 1030.
- Hartogs, Jacques C., Amsterdam, assignor to N. V. Nederlandsche Kunstzijdefabriek, Vosdijk Arnhem, Netherlands. Artificial thread. No. 1,119,155; Dec. 1; Gaz. vol. 209; p. 89.
- Hartpence, John A. (See Roche, Maurice J., assignor.)
- Hartpence, Phoebe M., Harrison, Ohio. Curtain-stretcher. No. 1,098,037; May 26; Gaz. vol. 202; p. 1111.
- Hartshorn, Edmund F., Newark, assignor to Stewart Hartshorn Company, East Newark, N. J. Spear for spring shade-rollers. No. 1,093,930; Apr. 21; Gaz. vol. 201; p. 690.
- Hartshorn, Edmund F., Newark, assignor to Stewart Hartshorn Company, East Newark, N. J. Shade-roller. No. 1,093,931; Apr. 21; Gaz. vol. 201; p. 690.
- Hartson, Millard T. (See McCaul, Philip, assignor.)
- Hartsough, D. Maurice, Minneapolis, Minn. Pilot for traction-engines. No. 1,096,784; May 12; Gaz. vol. 202; p. 582.
- Hartsough, D. Maurice, Minneapolis, Minn. Starter for explosive-engines. No. 1,105,775; Aug. 4; Gaz. vol. 205; p. 66.
- Hartt, William E., Constantine, Mich. Mounting for washing-machines. No. 1,087,232; Feb. 17; Gaz. vol. 199; p. 672.
- Hartwell, F. Harvey, *et al.* (See Lyman, Don, assignor.)
- Hartwell, Floyd S., and L. C. Sears, assignors to Monarch Manufacturing Corporation, Onawa, Iowa. Frame for tile-making machines. No. 1,107,940; Aug. 18; Gaz. vol. 205; p. 915.
- Hartwell, George H., Jr., San Antonio, Tex. Nozzle for cotton-pickers. No. 1,109,525; Sept. 1; Gaz. vol. 206; p. 233.
- Hartwell, Roy, Marion, Ill. Boiler-tube blower. No. 1,115,533; Nov. 3; Gaz. vol. 208; p. 23.
- Hartwig, Charles. (See Nissinen and Hartwig.)
- Harty, John J. (See Casey and Lesses, assignors.)
- Hartz, Frank E. (See Fouts, Cyrus E., assignor.)
- Hartzell, Forest H., assignor to The Crown Hardware Manufacturing Company, Dayton, Ohio. Musical apparatus. No. 1,088,223; Feb. 24; Gaz. vol. 199; p. 1062.
- Hartzell, Forest H., assignor to The Crown Hardware Manufacturing Company, Dayton, Ohio. Music-sheet shifter. No. 1,103,200; July 14; Gaz. vol. 204; p. 390.
- Hartzell, Morris H., assignor to S. S. Fretz, Jr., Philadelphia, Pa. Folding umbrella. No. 1,109,677; Sept. 8; Gaz. vol. 206; p. 331.
- Hartzler, Aaron, Goshen, Ind. Ladder. No. 1,113,436; Oct. 13; Gaz. vol. 207; p. 402.
- Harvey, Alexander S., and J. W. Brill, assignors to W. R. Wallace, Los Angeles, Cal. Shower-bath. No. 1,111,692; Sept. 22; Gaz. vol. 206; p. 1122.
- Harvey, Arthur I., Providence, and W. Marcroft, Cranston, R. I., assignors to Universal Winding Company, Portland, Me. Winding-machine. No. 1,087,367; Feb. 17; Gaz. vol. 199; p. 718.
- Harvey, Arthur I., Providence, and W. Marcroft, Cranston, R. I., assignors to Universal Winding Company, Portland, Me. Winding-machine. No. 1,087,368; Feb. 17; Gaz. vol. 199; p. 718.
- Harvey, Daniel, Box Hill, Melbourne, assignor to R. E. Boardman, St. Kilda, and F. C. Schulze, Brunswick, Victoria, Australia. Orchard-plow. No. 1,106,213; Aug. 4; Gaz. vol. 205; p. 218.
- Harvey, Edson O., Bancroft, Nebr. Sash-lock. No. 1,104,991; July 28; Gaz. vol. 204; p. 1096.
- Harvey, Edward J., assignor to Harvey Spring and Forging Company, Racine, Wis. Machine for testing vehicle-springs. No. 1,091,219; Mar. 24; Gaz. vol. 200; p. 997.
- Harvey, Edward J., assignor to Harvey Spring & Forging Company, Racine, Wis. Spring-manufacturing machine. No. 1,113,987; Oct. 20; Gaz. vol. 207; p. 631.
- Harvey, Fannie, Farmington, Ill. Dust-collecting pan. No. 1,121,093; Dec. 15; Gaz. vol. 209; p. 848.
- Harvey, George L., Chicago, Ill. Cigarette-box. No. 1,096,909; May 19; Gaz. vol. 202; p. 670.
- Harvey, George L., Chicago, Ill. Cigarette-dispensing box. No. 1,096,910; May 19; Gaz. vol. 202; p. 670.
- Harvey, George L., Chicago, Ill. Long-travel draft-rigging. No. 1,119,156; Dec. 1; Gaz. vol. 209; p. 89.
- Harvey Hubbell Inc. (See Lindstrom, Louis F., assignor.)
- Harvey Hubbell, Incorporated. (See Webster, Benjamin C., assignor.)
- Harvey, James C. (See Holtman, Axel R., assignor.)
- Harvey, James M. and J. A. Ogden, Kans. Hay and grain stacker. No. 1,113,988; Oct. 20; Gaz. vol. 207; p. 631.
- Harvey, James R. (See Powers, Harvey, and Crowley.)
- Harvey, John A. (See Harvey, James M. and J. A.)
- Harvey, John W., Sunset, Tex. Telephone-locking device. No. 1,090,053; Mar. 10; Gaz. vol. 200; p. 521.
- Harvey, Jonathan D., and H. L. Goodwin, Minneapolis, Minn. Street or station indicator. No. 1,085,980; Feb. 3; Gaz. vol. 199; p. 143.
- Harwood, Leon M., Springfield, Mass. Machine for applying roll metallic leaf. No. 1,097,316; May 19; Gaz. vol. 202; p. 815.
- Harvey, Leonard C. (See Davison and Harvey.)
- Harvey, Redge, assignor of one-half to H. E. Marshall, Detroit, Mich. Mailing-package. No. 1,093,850; Apr. 21; Gaz. vol. 201; p. 664.
- Harvey Spring and Forging Company. (See Harvey, Edward J., assignor.)
- Harvey, William J., Flint, Mich. Hacksaw-frame. No. 1,113,118; Oct. 6; Gaz. vol. 207; p. 243.
- Harveycutter, Austin, *et al.* (See Lake, Wilnot, assignor.)
- Harvick, Otis E. (See Knowles, Latham A., assignor.)
- Harvie, King A., Providence, R. I., assignor to Wear Wrench Company, Wrench. No. 1,119,694; Dec. 1; Gaz. vol. 209; p. 273.
- Harwood, Sumpter L., Dublin, Ga. Mixing and sifting machine. No. 1,086,914; Feb. 10; Gaz. vol. 199; p. 511.
- Hasburg, John W., Chicago, Ill. Machine for spreading or forming paint. No. 1,089,923; Mar. 10; Gaz. vol. 200; p. 477.
- Hasburg, John W., Chicago, Ill. Glass-washing machine. No. 1,104,498; July 21; Gaz. vol. 204; p. 877.
- Hasburg, John W., Chicago, Ill. Paint-package. No. 1,121,357; Dec. 15; Gaz. vol. 209; p. 939.
- Haselden, John R. and S. G., Lancaster, Ky. Cistern-water filter. No. 1,108,365; Aug. 25; Gaz. vol. 205; p. 1112.
- Haselden, Samuel G. (See Haselden, John R. and S. G.)
- Haseltine, Marie. (See Miller, Daisy O., assignor.)
- Haseltine, Stacey B., assignor to W. H. Miner, Chicago, Ill. Friction draft-rigging. No. 1,093,778; Apr. 21; Gaz. vol. 201; p. 638.
- Haseltine, Stacy B., assignor to W. H. Miner, Chicago, Ill. Draft-yoke for railway-car draft-rigging. No. 1,120,194; Dec. 8; Gaz. vol. 209; p. 483.
- Haseltine, Walter S., Boston, Mass. Advertising novelty. No. 1,095,111; Apr. 28; Gaz. vol. 201; p. 1153.
- Haselton, Milton S., Beebe, Quebec, Canada. Portable crane. No. 1,116,272; Nov. 3; Gaz. vol. 208; p. 274.
- Hasha, William C. (See James, Samuel, assignor.)
- Hasher, George M. (See Mozingo, William H., assignor.)
- Haskell & Barker Car Company. (See Frame and De Graff, assignors.)
- Haskell, Broderick, Franklin, Pa. Lathe-dog. No. 1,087,369; Feb. 17; Gaz. vol. 199; p. 719.
- Haskell, Broderick, Franklin, Pa. Telegraph-pole and the like. No. 1,093,326; Apr. 14; Gaz. vol. 201; p. 448.
- Haskell, Broderick, Franklin, Pa. Telegraph-pole and the like. No. 1,105,776; Aug. 4; Gaz. vol. 205; p. 67.
- Haskell, Broderick, Franklin, Pa. Telegraph-pole and the like. No. 1,105,777; Aug. 4; Gaz. vol. 205; p. 67.
- Haskell, Samuel I., New York, N. Y., assignor to The Fraenkell & Haskell Art Company. Mold. No. 1,114,758; Oct. 27; Gaz. vol. 207; p. 956.
- Haskes, Samuel, Brooklyn, N. Y. Combined bed and trunk. No. 1,120,480; Dec. 8; Gaz. vol. 209; p. 585.
- Haskin, Edwin E., assignor of one-half to W. E. Haskin, New York, N. Y. Electric welding apparatus. No. 1,096,506; May 12; Gaz. vol. 202; p. 490.
- Haskin, George W., Detroit, Mich. Refuse disposal and reduction plant. No. 1,091,837; Mar. 31; Gaz. vol. 200; p. 1249.
- Haskin, Joseph J., Stockton, Cal. Oil-burning furnace. No. 1,084,431; Jan. 13; Gaz. vol. 198; p. 418.
- Haskin, Walter E. (See Haskin, Edwin E., assignor.)
- Haskin, William J., *et al.* (See Tripp, Benjamin D., assignor.)
- Haskins, Bradley, Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Switch. No. 1,120,382; Dec. 8; Gaz. vol. 209; p. 549.
- Haskins, Joseph, Catlin, Ill. Generator. No. 1,088,020; Feb. 24; Gaz. vol. 199; p. 993.
- Haskins, Rufus P., Spokane, Wash. Cigar-box-lid holder. No. 1,108,751; Aug. 25; Gaz. vol. 205; p. 1245.
- Haskins, Thomas, *et al.* (See Farmer, William, assignor.)
- Hasley, Walter J., Rioblanco, Colo. Non-skid automobile device. No. 1,118,931; Dec. 1; Gaz. vol. 209; p. 9.
- Haslow, Charles. (See Downey, Bartholomew, assignor.)
- Hassel, Nels H., Chicago, Ill. Foldable slipper. No. 1,104,357; July 21; Gaz. vol. 204; p. 828.
- Hassel, William G., and R. W. Zedlitz, Waterbury, Conn. Moisture-removing device. No. 1,092,526; Apr. 7; Gaz. vol. 201; p. 139.
- Hasselbusch, Louis, Philadelphia, Pa. Carrier or conveyor. No. 1,102,913; July 7; Gaz. vol. 204; p. 240.
- Hassenbach, Hermann, Danzig-Langfuhr, Germany. Controlling apparatus for wings, fins, or the like. No. 1,116,273; Nov. 3; Gaz. vol. 208; p. 274.
- Hassler, Frank, Detroit, Mich. Massaging device. No. 1,121,831; Dec. 22; Gaz. vol. 209; p. 1141.
- Hassler, Robert H., Indianapolis, Ind. Vehicle-spring. No. 1,097,975; May 26; Gaz. vol. 202; p. 1090.
- Hassler, Robert H., assignor to Nordyke & Marmon Company, Indianapolis, Ind. Controller for self-starters for engines. No. 1,111,150; Sept. 22; Gaz. vol. 206; p. 934.

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- Hastings, Clive, Atchison, Kans. Supplemental tire for vehicle-wheels. No. 1,102,914; July 7; Gaz. vol. 204; p. 240.
- Hastings, Cornelius C., assignor to Milton Bradley Company, Springfield, Mass. Paper-cutter. No. 1,123,190; Dec. 29; Gaz. vol. 209; p. 1654.
- Hastings, Cornelius C., assignor to Milton Bradley Company, Springfield, Mass. Paper-cutter. No. 1,123,191; Dec. 29; Gaz. vol. 209; p. 1654.
- Hastings, Don T., assignor to Packard Motor Car Company, Detroit, Mich. Wheel-hub. No. 1,088,700; Mar. 3; Gaz. vol. 200; p. 10.
- Hastings, Donald T. (See Watts and Hastings.)
- Hastings, Truman S., Detroit, Mich. Electrical sign. No. 1,118,765; Nov. 24; Gaz. vol. 208; p. 1269.
- Hastings, William H., Malden, assignor to Merrimac Hat Company, Amesbury, Mass. Making hats. No. 1,111,066; Sept. 22; Gaz. vol. 206; p. 905.
- Hastings, William P., Henry, Tenn. Railway-tie. No. 1,093,129; Apr. 14; Gaz. vol. 201; p. 380.
- Hasty, Jesse J., Seattle, Wash. Poultry drinking-fountain. No. 1,103,413; July 14; Gaz. vol. 204; p. 459.
- Hatajke, Stanistow, *et al.* (See Siwak, Feliks, assignor.)
- Hatch, Bert A. (See Bailey and Hatch.)
- Hatch, Bert A. (See McCray and Hatch.)
- Hatch, Edward A., assignor to F. F. Hatch, Swanton, Vt. Window-fixture. No. 1,119,695; Dec. 1; Gaz. vol. 209; p. 274.
- Hatch, Frank F. (See Hatch, Edward A., assignor.)
- Hatch, James W., North Girard, Pa. Garment-stay. No. 1,119,015; Dec. 1; Gaz. vol. 209; p. 40.
- Hatch, Nathan, Albany, N. Y. Union suit. No. 1,100,657; June 16; Gaz. vol. 203; p. 863.
- Hatch, Nathan, Albany, N. Y. Union suit. No. 1,110,052; Sept. 8; Gaz. vol. 206; p. 464.
- Hatch, Nathan, Albany, N. Y. Union suit. No. 1,110,053; Sept. 8; Gaz. vol. 206; p. 464.
- Hatch, Nathan, Albany, N. Y. Union suit. No. 1,110,054; Sept. 8; Gaz. vol. 206; p. 464.
- Hatch, Nathan, Albany, N. Y. Union suit. No. 1,110,055; Sept. 8; Gaz. vol. 206; p. 465.
- Hatch, Orville C., Seattle, Wash. Thermostatic member and supporting-post therefor. No. 1,112,448; Oct. 6; Gaz. vol. 207; p. 11.
- Hatch, Orville C., Seattle, Wash. Valve for steam-heating systems. No. 1,114,609; Oct. 20; Gaz. vol. 207; p. 851.
- Hatcher, Charles M., Seattle, Wash. Pad. No. 1,110,056; Sept. 8; Gaz. vol. 206; p. 465.
- Hatcher, Charles M., Seattle, Wash., assignor to The National Handiprint Press Company, Oakland, Cal. Press. No. 1,122,919; Dec. 29; Gaz. vol. 209; p. 1556.
- Hatfield, Alonzo M., Tioga, La. Gasolene-level indicator. No. 1,116,274; Nov. 3; Gaz. vol. 208; p. 274.
- Hatfield, Charles N., Fountain City, Ind. Grain and seed cleaner, separator, and grader. No. 1,087,765; Feb. 17; Gaz. vol. 199; p. 857.
- Hatfield, Clarence C., Duquoin, Ill. Loading device. No. 1,085,040; Jan. 20; Gaz. vol. 198; p. 652.
- Hatfield, Henry S., Jena, Germany. Means for measuring the rate of movement of a mechanism averaged over any predetermined period of time. No. 1,094,439; Apr. 28; Gaz. vol. 201; p. 919.
- Hatfield, Henry S., Brunswick, Germany. Timing device. No. 1,094,440; Apr. 28; Gaz. vol. 201; p. 919.
- Hatfield, Henry S., Brunswick, Germany. Electrode for electrolytic measuring instruments. No. 1,111,898; Sept. 29; Gaz. vol. 206; p. 1233.
- Hatfield, Henry S., assignor to Firm of Schott & Gen., Jena, Germany. Glass tubing. No. 1,094,438; Apr. 28; Gaz. vol. 201; p. 918.
- Hatfield, Joseph M., Robinson, Ill. Brace for drilling mechanisms. No. 1,107,941; Aug. 18; Gaz. vol. 205; p. 915.
- Hatfield, Llewellyn T., Sacramento, Cal. Electric-current-control safety device. No. 1,101,127; June 23; Gaz. vol. 203; p. 1082.
- Hatfield, Richard H., New York, N. Y. Radiator. No. 1,092,711; Apr. 7; Gaz. vol. 201; p. 202.
- Hatfield, Schuyler C., Baltimore, Md. Elastic wheel. No. 1,105,654; Aug. 4; Gaz. vol. 205; p. 24.
- Hatfield, Schuyler C., assignor to The Elastic Wheel Company, Baltimore, Md. Wheel for vehicles. No. 1,087,903; Feb. 17; Gaz. vol. 199; p. 903.
- Hathaway, Charles E., Murphysboro, Ill. Gas-engine. No. 1,112,371; Sept. 29; Gaz. vol. 206; p. 1393.
- Hathaway, Dallas B., New Bedford, assignor to The Whitin Machine Works, Whitinsville, Mass. Stop-motion. No. 1,117,489; Nov. 17; Gaz. vol. 208; p. 785.
- Hathaway, Edgar F., and C. D. Lanning, Dorchester, assignors to American Warp Drawing Machine Company, Boston, Mass. Detached heddle or the like. No. 1,120,195; Dec. 8; Gaz. vol. 209; p. 483.
- Hatosy, Louis G., Jr., New York, N. Y. Glass-cleaner. No. 1,083,829; Jan. 6; Gaz. vol. 198; p. 187.
- Hatt, Lemuel J., assignor of one-half to F. P. Boyd, St. Louis, Mo. Clam-shell bucket. No. 1,097,317; May 19; Gaz. vol. 202; p. 815.
- Hattermer, Justus. (See Parnham and Hattermer.)
- Hattermer, Justus, West New York, N. J., assignor to Hardman, Peck & Company, New York, N. Y. Pedal. No. 1,110,202; Sept. 8; Gaz. vol. 206; p. 518.
- Hatter, Charles, Lancaster, Ohio. Spreader. No. 1,099,362; June 9; Gaz. vol. 203; p. 386.
- Hatton, William J., Escanaba, Mich. Pipe-flanging machine. No. 1,101,434; June 23; Gaz. vol. 203; p. 1186.
- Haubel, Matthew, Columbus township, Anoka county, Minn. Attachment for self-binders. No. 1,115,191; Oct. 27; Gaz. vol. 207; p. 1111.
- Haubner, John W., Friday Harbor, Wash. Receptacle-feeding mechanism. No. 1,118,766; Nov. 24; Gaz. vol. 208; p. 1269.
- Hauck, Arthur E., Brooklyn, N. Y. Oil-burning apparatus. No. 1,090,395; Mar. 17; Gaz. vol. 200; p. 682.
- Hauck, Arthur E., Brooklyn, N. Y. Oil-burner. No. 1,092,212; Apr. 7; Gaz. vol. 201; p. 31.
- Hauenstein, Oscar. (See Johnson, Lorenzo, assignor.)
- Hauer, Elmer E., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Strainer for pumps. No. 1,098,150; May 26; Gaz. vol. 202; p. 1149.
- Hauer, Elmer E., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Rotary motor. No. 1,102,742; July 7; Gaz. vol. 204; p. 182.
- Hauer, Elmer E., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Rotary motor. No. 1,102,743; July 7; Gaz. vol. 204; p. 182.
- Hauer, Elmer E., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Turbine. No. 1,102,744; July 7; Gaz. vol. 204; p. 183.
- Hauer, Elmer E., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Turbine. No. 1,102,745; July 7; Gaz. vol. 204; p. 183.
- Hauer, Elmer E., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Rotary motor. No. 1,102,746; July 7; Gaz. vol. 204; p. 183.
- Hauer, Elmer E., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Strainer. No. 1,102,747; July 7; Gaz. vol. 204; p. 184.
- Hauer, Elmer E., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Rotary motor. No. 1,102,748; July 7; Gaz. vol. 204; p. 184.
- Hauer, Elmer E., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Rotary motor. No. 1,102,749; July 7; Gaz. vol. 204; p. 184.
- Hauer, Elmer E., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Rotary motor. No. 1,102,915; July 7; Gaz. vol. 204; p. 240.
- Hauer, Simen, and M. B. Jacobson, La Crosse, Wis. Automatic railway-gate. No. 1,092,712; Apr. 7; Gaz. vol. 201; p. 202.
- Hauerwas, John, Jr., Milwaukee, Wis. Non-skid device for motor-cycles. No. 1,113,006; Oct. 6; Gaz. vol. 207; p. 207.
- Haug, Anton J., assignor to The Improved Paper Machinery Company, Nashua, N. H. Centrifugal pulpscreen. No. 1,106,808; Aug. 11; Gaz. vol. 205; p. 471.
- Haugaard, Thomas A., Cheyenne, Wyo. Annunciator system. No. 1,095,112; Apr. 28; Gaz. vol. 201; p. 1154.
- Hauge, Severin M., Fort Dodge, Iowa. Toilet-paper holder. No. 1,113,007; Oct. 6; Gaz. vol. 207; p. 207.
- Haugen, Gustav O., *et al.* (See Ness, Jens M. J., assignor.)
- Haughey, Michael, assignor of one-half to M. J. Cullen, St. Louis, Mo. Lock-nut. No. 1,085,041; Jan. 20; Gaz. vol. 198; p. 653.
- Haught, Henry H., assignor of one-half to W. H. Hilligass, Payson, Ariz. Pack-harness. No. 1,114,472; Oct. 20; Gaz. vol. 207; p. 806.
- Haughton, Frank A., Ilion, N. Y. Manganese-steel stampshoe. No. 1,085,861; Feb. 3; Gaz. vol. 199; p. 100.
- Haukenberry, Benjamin C., Kansas City, Mo. Switchstand. No. 1,094,650; Apr. 28; Gaz. vol. 201; p. 994.
- Haun, Robert S., Ames, Iowa. Stanchion-release. No. 1,102,150; June 30; Gaz. vol. 203; p. 1489.
- Haupt, Rudolf, Hanover, Germany. Detachable wheel-rim. No. 1,103,003; July 7; Gaz. vol. 204; p. 271.
- Hauptmann, Peter, and A. Rohde, Leverkusen, near Cologne, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Azo dyes for wool. No. 1,113,622; Oct. 13; Gaz. vol. 207; p. 464.
- Hausburg, Otto E., New York, N. Y. Watchman's clock. No. 1,099,439; June 9; Gaz. vol. 203; p. 411.
- Hausburg, Otto E., New York, N. Y. Portable watchman's clock. No. 1,102,266; July 7; Gaz. vol. 204; p. 15.
- Hausen, Raymond F., assignor to Pittsburgh Carbon Brush Company, Pittsburgh, Pa. Carbon brush. No. 1,104,115; July 21; Gaz. vol. 204; p. 744.
- Hauser, Frederick, San Francisco, Cal. Window. No. 1,114,260; Oct. 20; Gaz. vol. 207; p. 730.
- Hauser, Leopold, assignor of one-half to S. Weil, New York, N. Y. Folding necktie-holder. No. 1,112,611; Oct. 6; Gaz. vol. 207; p. 72.
- Hauser, Martin, Jr., assignor of three-eighths to T. Wight and one-fourth to W. D. Wight, Kansas City, Mo. Heater. No. 1,098,573; June 2; Gaz. vol. 203; p. 76.
- Hausfeld, Joseph E., assignor to The Huenefeld Company, Cincinnati, Ohio. Hot-blast stove. No. 1,121,557; Dec. 15; Gaz. vol. 209; p. 1008.

Alphabetical list of patentees—Continued.

- Hausheer, Bernard, Norwich, assignor to Borden's Condensed Milk Company, New York, N. Y. Wire-shaping machine. No. 1,090,850; Mar. 24; Gaz. vol. 200; p. 867.
- Hausheer, Bernard, Norwich, assignor to Borden's Condensed Milk Company, New York, N. Y. Can-manipulating machine. No. 1,091,838; Mar. 31; Gaz. vol. 200; p. 1250.
- Hausheer, Bernard, Norwich, assignor to Borden's Condensed Milk Company, New York, N. Y. Solder-placing machine. No. 1,104,261; July 21; Gaz. vol. 204; p. 794.
- Hausheer, Bernard, Norwich, assignor to Borden's Condensed Milk Company, New York, N. Y. Soldering caps to cans. No. 1,105,778; Aug. 4; Gaz. vol. 205; p. 68.
- Hausmann, Fritz, assignor to Verein Chemischer Fabriken in Mannheim, Mannheim, Germany. Concentrating nitric acid. No. 1,115,192; Oct. 27; Gaz. vol. 207; p. 1112.
- Hausner, Ben Z., New York, N. Y. Dress-shield. No. 1,122,113; Dec. 22; Gaz. vol. 209; p. 1238.
- Hauss, David J., Aurora, Ind. Electrical controller. No. 1,087,880; Feb. 17; Gaz. vol. 199; p. 895.
- Hausser, George H. (See Plummer, Hausser, and Warner.)
- Häussler, David, New York, N. Y. Container-closure. No. 1,122,749; Dec. 29; Gaz. vol. 209; p. 1495.
- Hausser, William J., Brooklyn, assignor to Firm of M. Hohner, New York, N. Y. Display-stand. No. 1,093,327; Apr. 14; Gaz. vol. 201; p. 449.
- Haustetter, Alfred P., assignor to The Victor Safe & Lock Co., Norwood, Ohio. Planer. No. 1,107,787; Aug. 18; Gaz. vol. 205; p. 865.
- Hauswirth, Charles A., East Orange, N. J. Valve-lighting device. No. 1,116,699; Nov. 10; Gaz. vol. 208; p. 469.
- Havana Commercial Company. (See Alemany, Joaquin, assignor.)
- Havas, Bela. (See Mayer and Havas.)
- Havassy, Joe, Miami, Ariz. Ink well and stand. No. 1,100,874; June 23; Gaz. vol. 203; p. 993.
- Havassy, Joe, Miami, Ariz. Hair-clipper. No. 1,122,920; Dec. 29; Gaz. vol. 209; p. 1557.
- Havener, Arthur R., Waltham, Mass., assignor to American Lacing Hook Co. Machine for setting lacing-hooks in the upper of a boot or shoe. No. 1,090,103; Mar. 10; Gaz. vol. 200; p. 538.
- Havener, Arthur R., Waltham, Mass., assignor to American Lacing Hook Co. Top gage for lacing-hook-setting machines. No. 1,091,572; Mar. 31; Gaz. vol. 200; p. 1157.
- Havener, Arthur R., Waltham, Mass., assignor to American Lacing Hook Co. Lacing-hook-setting machine. No. 1,098,899; June 2; Gaz. vol. 203; p. 184.
- Havener, Arthur R., Waltham, Mass., assignor to American Lacing Hook Co. Hopper. No. 1,103,580; July 14; Gaz. vol. 204; p. 519.
- Havener, Frank O., Parkersburg, W. Va. Cigar-moistener. No. 1,086,705; Feb. 10; Gaz. vol. 199; p. 438.
- Havens, Charles D., Fairfax, Okla. Clevis. No. 1,095,859; May 5; Gaz. vol. 202; p. 233.
- Havens, Ernest A., assignor to M. D. Batchelder, Peoria, Ill. Sign-support. No. 1,109,921; Sept. 8; Gaz. vol. 206; p. 418.
- Havens, Harold A., Syracuse, N. Y. Apparatus for making cable-grips. No. 1,086,664; Feb. 10; Gaz. vol. 199; p. 424.
- Havens, Morton, Jr. (See Van Ranst and Havens.)
- Havens, Morton, Jr., Albany, N. Y. Branch box. No. 1,094,990; Apr. 28; Gaz. vol. 201; p. 1114.
- Havens, Raymond M. (See Higgins, Albert G., assignor.)
- Havenstrite, David J., Newark, N. J., assignor to J. H. Stone, Noroton Heights, Conn. Rotary refrigerating apparatus. No. 1,109,223; Sept. 1; Gaz. vol. 206; p. 130.
- Haverfield, Emmett N., Cadiz, Ohio. Tire-valve tool. No. 1,091,839; Mar. 31; Gaz. vol. 200; p. 1251.
- Haverhill Shoe Machinery Company. (See Pettingill, George M., assignor.)
- Haverstick, Samuel, Chicago, Ill. Linoleum. No. 1,121,182; Dec. 15; Gaz. vol. 209; p. 880.
- Haverty, Raymond J., and A. Eckenrod, assignors of one-third to W. T. Haverty, Altoona, Pa. Kitchen utensil. No. 1,106,809; Aug. 11; Gaz. vol. 205; p. 471.
- Haverty, William T. (See Haverty and Eckenrod, assignors.)
- Havill, Egbert U. (See Havill, Harold T., assignor.)
- Havill, Harold T., assignor of one-fourth to E. U. Havill, New York, N. Y. Pitometer. No. 1,089,129; Mar. 3; Gaz. vol. 200; p. 158.
- Hawaiian Pineapple Company. (See Arnold, Lewis E., assignor.)
- Hawaiian Pineapple Company. (See Ginaca, Henry G., assignor.)
- Hawes, Herbert E., New York, N. Y. Aeroplane and safety appliance. No. 1,104,889; July 23; Gaz. vol. 204; p. 1062.
- Hawes, Herbert E., New York, N. Y. Balancing mechanism for aeroplanes. No. 1,113,623; Oct. 13; Gaz. vol. 207; p. 465.
- Hawes, Joseph W., *et al.* (See Roberts, Henry P., assignor.)
- Hawk, Charles A., Kansas City, Mo. Adjustable supporting device for movable objects. No. 1,118,199; Nov. 24; Gaz. vol. 208; p. 1072.
- Hawk, F. J., *et al.* (See Wood, Jarett B., assignor.)
- Hawk, Hale E., Greenville, Miss. Steaming apparatus. No. 1,118,856; Nov. 24; Gaz. vol. 208; p. 1300.
- Hawk, Lewis E., assignor to Chicago Safety Appliance Company, Chicago, Ill. Safety device for elevators. No. 1,106,379; Aug. 11; Gaz. vol. 205; p. 318.
- Hawker, Paul H., and I. J. Reuter, assignors to Remy Electric Company, Anderson, Ind. Ignition apparatus. No. 1,109,064; Sept. 1; Gaz. vol. 206; p. 74.
- Hawker, Wilson S., Dayton, Ohio. Wood-turning machine. No. 1,111,795; Sept. 29; Gaz. vol. 206; p. 1195.
- Hawkins, Charles A. (See Schneider, John G., assignor.)
- Hawkins, Charles W., Bellport, N. Y. Removable valve for pumps. No. 1,111,578; Sept. 22; Gaz. vol. 206; p. 1082.
- Hawkins, Daniel I. (See Bowne and Hawkins.)
- Hawkins, Edgar M., assignor to M. D. Knowlton Company, Rochester, N. Y. Folding paper-board box and stay therefor. No. 1,102,750; July 7; Gaz. vol. 204; p. 185.
- Hawkins, Edgar M., assignor to M. D. Knowlton Company, Rochester, N. Y. Sheet-coating machine. No. 1,109,331; Sept. 1; Gaz. vol. 206; p. 169.
- Hawkins, Edgar M., Rochester, N. Y., and F. G. Feeley, Chicago, Ill., assignors to M. D. Knowlton Company, Rochester, N. Y. Joint for corrugated paper-board. No. 1,101,927; June 30; Gaz. vol. 203; p. 1409.
- Hawkins, Edgar M., Rochester, N. Y., and F. G. Feeley, Chicago, Ill., assignors to M. D. Knowlton Company, Rochester, N. Y. Joint for corrugated paper-board. No. 1,101,928; June 30; Gaz. vol. 203; p. 1409.
- Hawkins, Edward J., Solvay, N. Y. Sheet-music container. No. 1,115,312; Oct. 27; Gaz. vol. 207; p. 1153.
- Hawkins, Elbert E., Unadilla, N. Y. Door-fastening device. No. 1,108,168; Aug. 25; Gaz. vol. 205; p. 1043.
- Hawkins, Eugene A., *et al.* (See Gros, George, assignor.)
- Hawkins, Gardner C., Winthrop, assignor to C. D. Lanning, Boston, Mass. Cop-forming mechanism for spinning-mules. No. 1,088,071; Feb. 24; Gaz. vol. 199; p. 1009.
- Hawkins, John K., Mohawk, Tenn. Acetylene-gas generator. No. 1,113,989; Oct. 20; Gaz. vol. 207; p. 632.
- Hawkins, Laurence A., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Block-signal system. No. 1,085,981; Feb. 3; Gaz. vol. 199; p. 144.
- Hawkins, Laurence A., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Control of signal-lamps. No. 1,090,301; Mar. 17; Gaz. vol. 200; p. 649.
- Hawkins, Laurence A., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Block-signal system. No. 1,091,133; Mar. 24; Gaz. vol. 200; p. 967.
- Hawkins, Laurence A., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Normal-danger-signal system. No. 1,091,134; Mar. 24; Gaz. vol. 200; p. 967.
- Hawkins, Laurence A., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Block-signal system. No. 1,094,441; Apr. 28; Gaz. vol. 201; p. 920.
- Hawkins, Laurence A., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Block-signal system. No. 1,094,894; Apr. 28; Gaz. vol. 201; p. 1079.
- Hawkins, Laurence A., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Signal system. No. 1,102,916; July 7; Gaz. vol. 204; p. 241.
- Hawkins, Laurence A., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Block-signal system. No. 1,102,917; July 7; Gaz. vol. 204; p. 241.
- Hawkins, Laurence A., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Block-signal system. No. 1,119,953; Dec. 8; Gaz. vol. 209; p. 397.
- Hawkins, Laurence A., and E. F. Bliss, Schenectady, N. Y., assignors, by mesne assignments, to The Union Switch and Signal Company. Normal-danger-signal system. No. 1,086,706; Feb. 10; Gaz. vol. 199; p. 438.
- Hawkins, Riego, Sandy, Utah. Smoke-consumer. No. 1,123,207; Dec. 29; Gaz. vol. 209; p. 1660.
- Hawkins, William, and H. E. Lobb, Auckland, New Zealand. Spring-saddle. No. 1,083,538; Jan. 6; Gaz. vol. 198; p. 93.
- Hawkins, William W., Norwood, Ohio, assignor to The Globe Automatic Sprinkler Company. Sprinkler-head. No. 1,115,930; Nov. 3; Gaz. vol. 208; p. 158.
- Hawkinson, Arthur E., Chicago, Ill. Cycle-stand holding and release device. No. 1,105,077; July 28; Gaz. vol. 204; p. 1128.
- Hawkinson, J. E. (See Kvam, Sigvart, assignor.)
- Hawks, Joseph B., and H. R. Kennedy, Los Angeles, Cal. Vehicle-signal. No. 1,090,302; Mar. 17; Gaz. vol. 200; p. 650.

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- Hawks, Joseph B., and H. R. Kennedy, Los Angeles, Cal. Vehicle-signal. No. 1,118,416; Nov. 24; Gaz. vol. 208; p. 1149.
- Hawks, Moses L., New York, N. Y. Sharpening device. No. 1,088,986; Mar. 3; Gaz. vol. 200; p. 108.
- Hawks, William, assignor to Hugo Manufacturing Company, Duluth, Minn. Gas-burner. No. 1,113,339; Oct. 13; Gaz. vol. 207; p. 366.
- Hawksworth, David W. (See Thompson and Hawksworth.)
- Hawksworth, David W., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,089,553; Mar. 10; Gaz. vol. 200; p. 349.
- Hawksworth, David W., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,089,554; Mar. 10; Gaz. vol. 200; p. 349.
- Hawksworth, David W., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,089,555; Mar. 10; Gaz. vol. 200; p. 350.
- Hawksworth, David W., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,101,848; June 30; Gaz. vol. 203; p. 1381.
- Hawksworth, David W., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,122,498; Dec. 29; Gaz. vol. 209; p. 1408.
- Hawley, Charles G., and E. K. Baker, Chicago, Ill., assignors to Universal Rim Company. Demountable rim. No. 1,095,996; May 5; Gaz. vol. 202; p. 279.
- Hawley, Charles G., and E. K. Baker, Chicago, Ill., assignors to Universal Rim Company. Demountable wheel-rim. No. 1,101,741; June 30; Gaz. vol. 203; p. 1343.
- Hawley, Cornell S. (See Butt, Frederic W., assignor.)
- Hawley, David R., assignor of one-half to J. Simpson, Sebring, Ohio. Sliding-jaw wrench. No. 1,122,921; Dec. 29; Gaz. vol. 209; p. 1557.
- Hawley, Edwin H., Washington, D. C. Automatic gas-extinguisher. No. 1,088,987; Mar. 3; Gaz. vol. 200; p. 108.
- Hawley, George M. B., Geneva, N. Y. Sofa-bed. No. 1,090,474; Mar. 17; Gaz. vol. 200; p. 710.
- Hawley, George M. B., Geneva, N. Y. Sofa-bed. No. 1,090,475; Mar. 17; Gaz. vol. 200; p. 711.
- Hawley, Henry S., trustee. (See Harris, Varian M., assignor.)
- Hawley, Joel E., assignor of one-half to G. H. Brown, Kansas City, Mo. Apparatus for recovering gold-dust. No. 1,093,049; Apr. 14; Gaz. vol. 201; p. 352.
- Hawley, John F., Pasadena, Cal. Refrigerating-machine. No. 1,120,481; Dec. 8; Gaz. vol. 209; p. 585.
- Hawley, Lee F., assignor to A. D. Little Inc., Boston, Mass. Refining wood-alcohol. No. 1,106,707; Aug. 11; Gaz. vol. 205; p. 435.
- Hawley, Thornton W., Oakland, Cal. Spring-wheel. No. 1,103,045; July 14; Gaz. vol. 204; p. 333.
- Hawley, William D., assignor to Monitor Time Clock Co., Syracuse, N. Y. Time-recorder. No. 1,119,507; Dec. 1; Gaz. vol. 209; p. 210.
- Haws, William H., Johnstown, Pa. Metallic railway-tie. No. 1,121,832; Dec. 22; Gaz. vol. 209; p. 1141.
- Hawthorn, Harold, Sheenhurst, East Sheen, England. System and apparatus for carrying life and other boats on ships and for launching same therefrom. No. 1,084,630; Jan. 20; Gaz. vol. 198; p. 512.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Washing apparatus. No. 1,087,944; Feb. 24; Gaz. vol. 199; p. 964.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lighting apparatus. No. 1,090,980; Mar. 24; Gaz. vol. 200; p. 912.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp-mounting. No. 1,090,981; Mar. 24; Gaz. vol. 200; p. 912.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp-mounting. No. 1,090,982; Mar. 24; Gaz. vol. 200; p. 913.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Electric lamp. No. 1,090,983; Mar. 24; Gaz. vol. 200; p. 913.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp-mounting. No. 1,090,984; Mar. 24; Gaz. vol. 200; p. 913.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp. No. 1,099,087; June 2; Gaz. vol. 203; p. 244.
- Hawthorne Manufacturing Company, The. (See Maytrott, Henry, assignor.)
- Hawthorne, Primm R., assignor to Nichols & Shepard Company, Battle Creek, Mich. Radiator. No. 1,090,476; Mar. 17; Gaz. vol. 200; p. 711.
- Hawthorne, Primm R., assignor to Nichols and Shepard Company, Battle Creek, Mich. Steering-gear for motor-propelled vehicles. No. 1,101,542; June 30; Gaz. vol. 203; p. 1275.
- Hawthorne, William E., assignor to Daisy Manufacturing Company, Plymouth, Mich. Spring-gun. No. 1,114,610; Oct. 20; Gaz. vol. 207; p. 851.
- Hawtrey, Arthur, Buenos Aires, Argentina. Shearing or clipping machine. No. 1,117,377; Nov. 17; Gaz. vol. 208; p. 746.
- Hawxhurst, Timothy S. K., assignor of one-half to C. J. Tagliabue, Brooklyn, N. Y. Testing apparatus. No. 1,096,911; May 19; Gaz. vol. 202; p. 670.
- Haxby, Robert V., et al., administrators. (See Ozlas, Albert N.)
- Hay, Alexander S., Philadelphia, Pa. Header for steam-generators. No. 1,088,224; Feb. 24; Gaz. vol. 199; p. 1062.
- Hay, John T., Union City, Ohio. Pitman. No. 1,100,732; June 23; Gaz. vol. 203; p. 944.
- Hay, John T., Union City, Ind. Automatic journal-box take-up. No. 1,108,366; Aug. 25; Gaz. vol. 205; p. 1112.
- Hay, John T., Union City, Ind. Journal-box. No. 1,110,388; Sept. 15; Gaz. vol. 206; p. 624.
- Hay, M. H. (See Gundy, Alton C., assignor.)
- Hay, Marley F., Glasgow, Scotland. Housing for the conning-towers, periscopes, and ventilating-shafts of submarines. No. 1,099,126; June 2; Gaz. vol. 203; p. 257.
- Hay, Marley F., Glasgow, Scotland. Ventilating-shaft for submarines. No. 1,099,127; June 2; Gaz. vol. 203; p. 257.
- Hay, Marley F., and F. Guhrauer, Dumbarton, Scotland. Broadside-firing deck torpedo-tube. No. 1,100,481; June 16; Gaz. vol. 203; p. 806.
- Hay, Marley F., and F. Guhrauer, Dumbarton, Scotland. Broadside-firing torpedo-tube. No. 1,100,676; June 16; Gaz. vol. 203; p. 869.
- Hay, Marley F., and F. Guhrauer, Dumbarton, Scotland. Submarine or submersible boat. No. 1,107,942; Aug. 18; Gaz. vol. 205; p. 915.
- Hay, Warner, et al. (See Boal, Marion, assignor.)
- Hay, William C., Los Angeles, Cal. Apparatus for the manufacture of mortar. No. 1,117,670; Nov. 17; Gaz. vol. 208; p. 849.
- Hay, William G., Prestwich, England. Apparatus for removing flue dust or dirt and the like. No. 1,115,193; Oct. 27; Gaz. vol. 207; p. 1112.
- Hay, William G., Prestwich, England. Apparatus for removing flue dust or dirt and the like. No. 1,115,194; Oct. 27; Gaz. vol. 207; p. 1113.
- Hayden, Alfred J., Topeka, Kans. Self-cleaning rake. No. 1,095,966; May 5; Gaz. vol. 202; p. 268.
- Hayden, Charles A., Gorham, N. H. Nut and bolt construction. No. 1,110,203; Sept. 8; Gaz. vol. 206; p. 519.
- Hayden, David H., New York, N. Y. Reinforcement for composition covering of structural metal shapes. No. 1,121,558; Dec. 15; Gaz. vol. 209; p. 1009.
- Hayden, Ella L., administratrix. (See Hayden, Randolph.)
- Hayden, George D., Providence, R. I., assignor of one-tenth to C. R. Hunt, New Bedford, Mass. Cam-cutting mechanism. No. 1,098,038; May 26; Gaz. vol. 202; p. 1111.
- Hayden, James G., New Lexington, assignor of one-half to R. B. Elliott, Roseville, Ohio. Attachment for gas-meters. No. 1,096,714; May 12; Gaz. vol. 202; p. 558.
- Hayden, Joseph L. R., Schenectady, N. Y., assignor to General Electric Company. Arc-electrode and making it. No. 1,093,182; Apr. 14; Gaz. vol. 201; p. 399.
- Hayden, Joseph L. R., Schenectady, N. Y., assignor to General Electric Company. Insulating material. No. 1,096,839; May 19; Gaz. vol. 202; p. 645.
- Hayden, Noah L., Bisbee, Ariz. Knockdown level. No. 1,094,651; Apr. 28; Gaz. vol. 201; p. 995.
- Hayden, Randolph, deceased; E. L. Hayden, administratrix, Haddam, assignor of one-half to L. M. Schmidt, New Britain, Conn. Pliers and similar tool. No. 1,101,181; June 23; Gaz. vol. 203; p. 1101.
- Hayden, Robert B., Spokane, Wash. Rotary engine. No. 1,105,076; July 28; Gaz. vol. 204; p. 1127.
- Hayden, Willard A., assignor of one-half to J. R. Gordon, Minneapolis, Minn. Collar-hook. No. 1,085,735; Feb. 3; Gaz. vol. 199; p. 56.
- Haydock, Henry, and D. Parkes, Blackburn, England. Shuttle for looms for weaving. No. 1,100,561; June 16; Gaz. vol. 203; p. 832.
- Hayduk, John, Brooklyn, N. Y. Collapsible field-chair. No. 1,113,340; Oct. 13; Gaz. vol. 207; p. 367.
- Hayes Brothers. (See Hayes, Joseph G., assignor.)
- Hayes, Charles E., Brockton, Mass. Thread-guide. No. 1,099,745; June 9; Gaz. vol. 203; p. 515.
- Hayes, Charles J. W., Rochester, Mich. Mechanical figure toy. No. 1,110,685; Sept. 15; Gaz. vol. 206; p. 730.
- Hayes, Clarence B., Jackson, Mich. Machine for removing cleats from fellies. No. 1,091,840; Mar. 31; Gaz. vol. 200; p. 1251.
- Hayes, Daniel P. (See Anderson, George W., assignor.)
- Hayes, Emet H. (See Ash and Hayes.)
- Hayes, George B., Eagleville, Conn. Means for threading shuttles. No. 1,103,414; July 14; Gaz. vol. 204; p. 460.
- Hayes, George H., assignor to Chicago Pneumatic Tool Co., Chicago, Ill. Flexible shafting. No. 1,091,511; Mar. 31; Gaz. vol. 200; p. 1136.
- Hayes, James C., Brookfield, Mo. Hose-coupling. No. 1,085,606; Feb. 3; Gaz. vol. 199; p. 10.
- Hayes, John M., Montoursville, Pa. Voting-machine. No. 1,098,796; June 2; Gaz. vol. 203; p. 148.
- Hayes, Joseph G., assignor to Hayes Brothers, Indianapolis, Ind. Clean-out plug. No. 1,112,136; Sept. 29; Gaz. vol. 206; p. 1310.
- Hayes, Joseph G., assignor to Hayes Brothers, Indianapolis, Ind. Drain-pipe. No. 1,114,881; Oct. 27; Gaz. vol. 207; p. 1000.
- Hayes, Neenian. (See Burks and Hayes.)
- Hayes, Orval, Brame, Okla. Machine for heading Kafir corn. No. 1,090,709; Mar. 17; Gaz. vol. 200; p. 788.

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- Hayes, Robin A., Edgbaston, England. Compressor for gases. No. 1,101,929; June 30; Gaz. vol. 203; p. 1410.
- Hayes, Thomas J., Cleveland, Ohio, assignor to W. A. Horgan, Boston, Mass. Pump. No. 1,114,689; Oct. 20; Gaz. vol. 207; p. 878.
- Hayford, Herbert W., Laconia, N. H. Clamp. No. 1,083,880; Jan. 6; Gaz. vol. 198; p. 201.
- Hayford, Walter C., Lake, Ind. Clutch mechanism. No. 1,113,624; Oct. 13; Gaz. vol. 207; p. 465.
- Hayman, John D., Saginaw, Mich. Spring-spoke wheel. No. 1,118,487; Nov. 24; Gaz. vol. 208; p. 1176.
- Hayman, Morris, New York, N. Y. Dough-molding machine. No. 1,101,074; June 23; Gaz. vol. 203; p. 1064.
- Haymowicz, Adolf, Otis, Oreg. Measuring instrument. No. 1,084,146; Jan. 13; Gaz. vol. 198; p. 325.
- Haynes Automobile Company, The. (See Nutt, Frank N., assignor.)
- Haynes, Charles E. (See Huyck, Francis P., assignor.)
- Haynes, Charles M., Newark, N. J. Wagon. No. 1,108,169; Aug. 25; Gaz. vol. 205; p. 1043.
- Haynes, Charles M., Newark, N. J., assignor of one-half to J. O'Neil, New York, N. Y. Hanging scaffold. No. 1,085,607; Feb. 3; Gaz. vol. 199; p. 10.
- Haynes, George P., assignor to F. M. Patterson, Jersey City, N. J., and J. H. Allen, New York, N. Y. Valve. No. 1,122,499; Dec. 29; Gaz. vol. 209; p. 1408.
- Haynes, John I., St. Louis, Mo. Calculating-machine. No. 1,112,612; Oct. 6; Gaz. vol. 207; p. 72.
- Haynes, John I., St. Louis, Mo. Humidifier. No. 1,118,200; Nov. 24; Gaz. vol. 208; p. 1072.
- Haynes-Langenberg Manufacturing Company. (See Garrecht, George, assignor.)
- Haynes, Thomas S., San Antonio, Tex. Safety-aeroplane. No. 1,117,043; Nov. 10; Gaz. vol. 208; p. 588.
- Haynes, Venice L., assignor of one-half to C. W. Swain, Wilmington, Ohio. Attachment for harvesters. No. 1,092,046; Mar. 31; Gaz. vol. 200; p. 1318.
- Haynes, William S., assignor to Wm. S. Haynes Co., Boston, Mass. Musical wind instrument. No. 1,119,954; Dec. 8; Gaz. vol. 209; p. 398.
- Hays, Auther N. (See Wall, John, assignor.)
- Hays, Charles L., Eldora, Iowa. Steering mechanism for motor-vehicles. No. 1,093,130; Apr. 14; Gaz. vol. 201; p. 380.
- Hays, Charles L., Eldora, Iowa. Load-supporting means for carrying-wheels. No. 1,093,131; Apr. 14; Gaz. vol. 201; p. 381.
- Hays, Ernest C., Waco, Tex. Incubator. No. 1,101,742; June 30; Gaz. vol. 203; p. 1343.
- Hays, Lida, et al. (See Thomas, Martin E., assignor.)
- Hays, Louis H., assignor to The Kaynee Company, Cleveland, Ohio. Garment. No. 1,113,008; Oct. 6; Gaz. vol. 207; p. 207.
- Hayter, William H., South Norwood, England. Wheel-guard or obstruction-remover for vehicles. No. 1,094,388; Apr. 21; Gaz. vol. 201; p. 841.
- Hayward, Alice F. (See Griffiths, John, assignor.)
- Hayward Company, The. (See Quimby, William J., assignor.)
- Hayward, Elizabeth T., St. Louis, Mo. Combination-undergarment. No. 1,086,364; Feb. 10; Gaz. vol. 199; p. 320.
- Hayward, Jonathan B. (See Longstreth, Charles B., assignor.)
- Hayward, Jonathan B., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,119,955; Dec. 8; Gaz. vol. 209; p. 398.
- Hayward, Martin A., East Bridgewater, Mass. Pull-on device for boots and shoes. No. 1,092,483; Apr. 7; Gaz. vol. 201; p. 125.
- Hayward, Melville P., Quincy, Mass. Tenter-clip. No. 1,119,824; Dec. 8; Gaz. vol. 209; p. 353.
- Hayward, Peter T., and W. P. Sanderson, Collie, Western Australia, Australia. Steam-exhaust nozzle. No. 1,105,514; July 28; Gaz. vol. 204; p. 1281.
- Hayward, Walter, Woodstock, Ontario, Canada. Windmill. No. 1,101,543; June 30; Gaz. vol. 203; p. 1276.
- Hayward, William, Wenatchee, Wash. Silo-building apparatus. No. 1,101,182; June 23; Gaz. vol. 203; p. 1101.
- Haywood, Daniel H., assignor to Empire Duplex Gin Company, New York, N. Y. Apparatus for preparing cotton fibers. No. 1,098,438; June 2; Gaz. vol. 203; p. 29.
- Haywood, Edmund B., Raleigh, N. C. Knife-sharpener. No. 1,083,490; Jan. 6; Gaz. vol. 198; p. 77.
- Hayworth, Everett E., High Point, N. C. Mail-bag catcher. No. 1,114,690; Oct. 20; Gaz. vol. 207; p. 879.
- Hazard, Allen B., assignor of one-half to R. E. Humpston, Chicago, Ill. Indicator. No. 1,093,621; Apr. 21; Gaz. vol. 201; p. 586.
- Hazard, Henry T., Los Angeles, Cal. Mechanism for steering automobiles. No. 1,111,693; Sept. 22; Gaz. vol. 206; p. 1122.
- Hazard, Lee W., administrator. (See Hazard, Samuel B.)
- Hazard, Robert J., Victoria, British Columbia, Canada. Glove. No. 1,106,708; Aug. 11; Gaz. vol. 205; p. 435.
- Hazard, Samuel B., Peoria, Ill. Tongue-truck. No. 1,099,088; June 2; Gaz. vol. 203; p. 244.
- Hazard, Samuel B., deceased, Peoria; L. W. Hazard, administrator, assignor to R. C. Schofield, Freeport, Ill. Transport-truck. No. 1,120,938; Dec. 15; Gaz. vol. 209; p. 793.
- Hazel, Ernest L., and R. Holbeche, Birmingham, England, assignors to Stokes & Smith Company, Summerdale, Philadelphia, Pa. Automatic stopping mechanism for corner-staying machines. No. 1,084,631; Jan. 20; Gaz. vol. 198; p. 513.
- Hazel, Maximilian C., San Francisco, Cal. Type-holder. No. 1,098,499; June 2; Gaz. vol. 203; p. 50.
- Hazelrigg, Ross, and W. J. Meeker, Santa Rosa, Cal. Hinge. No. 1,111,832; Sept. 29; Gaz. vol. 206; p. 1208.
- Hazeltine, Benjamin. (See Munson and Hazeltine.)
- Hazelton, Asa H., Fresno, Cal. Oil-burner. No. 1,121,833; Dec. 22; Gaz. vol. 209; p. 1141.
- Hazelton, Hugh, Englewood, N. J., assignor to Gould Storage Battery Company. Electrical system of distribution. No. 1,085,982; Feb. 3; Gaz. vol. 199; p. 144.
- Hazelton, John T., Somerville, N. J. Carburetor. No. 1,106,145; Aug. 4; Gaz. vol. 205; p. 196.
- Hazelton, Robert T. (See Baker and Hazelton.)
- Hazen, Levi P. (See Jones, John A., assignor.)
- Hazen, Marshman W., New York, N. Y., assignor to Standard Typewriter Company. Carriage for type-writing machines. No. 1,092,837; Apr. 14; Gaz. vol. 201; p. 280.
- Hazen, Marshman W., New York, N. Y., assignor to Corona Typewriter Company, Incorporated. Type-writing machine. No. 1,121,094; Dec. 15; Gaz. vol. 209; p. 848.
- Hazen, Marshman W., New York, N. Y., assignor to Corona Typewriter Company, Incorporated. Feed mechanism. No. 1,121,095; Dec. 15; Gaz. vol. 209; p. 849.
- Hazen, Marshman W., New York, N. Y., assignor to Corona Typewriter Company, Incorporated. Line-spacing mechanism. No. 1,121,096; Dec. 15; Gaz. vol. 209; p. 849.
- Hazen, Marshman W., New York, N. Y., assignor to Corona Typewriter Company, Incorporated. Ribbon mechanism. No. 1,121,097; Dec. 15; Gaz. vol. 209; p. 850.
- Hazen, Marshman W., New York, N. Y., assignor to Corona Typewriter Company, Incorporated. Platen-shift. No. 1,121,098; Dec. 15; Gaz. vol. 209; p. 850.
- Hazen, Marshman W., and O. Petermann, New York, N. Y., assignors to Standard Typewriter Company. Type-writing machine. No. 1,094,560; Apr. 28; Gaz. vol. 201; p. 961.
- Hazen, Perley F., assignor to The E. and T. Fairbanks Company, St. Johnsbury, Vt. Weight. No. 1,094,895; Apr. 28; Gaz. vol. 201; p. 1080.
- Hazen, Perley F., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Balancing mechanism for scales. No. 1,115,931; Nov. 3; Gaz. vol. 208; p. 158.
- Hazer, Clarence A., Morrilton, Ark. Cotton-seed separator and cleaner. No. 1,098,349; May 26; Gaz. vol. 202; p. 1218.
- Hazleton, William C., Delaware, Ohio. Cement-block-tamping machine. No. 1,120,383; Dec. 8; Gaz. vol. 209; p. 550.
- Hazlett, Roy R., Warsaw, N. C. Combined pencil holder and sharpener. No. 1,090,710; Mar. 17; Gaz. vol. 200; p. 789.
- Hazlewood, Horace C., assignor of one-half to J. L. King, Bisbee, Ariz. Hen's nest. No. 1,121,498; Dec. 15; Gaz. vol. 209; p. 987.
- Heacock, Frank T. (See Greene, John W., assignor.)
- Head, Arthur F. H. (See Adams and Head.)
- Head, Arthur F. H., assignor to The J. G. Brill Company, Philadelphia, Pa. Car-truck. No. 1,096,366; May 12; Gaz. vol. 202; p. 443.
- Head, Arthur F. H., assignor to The J. G. Brill Company, Philadelphia, Pa. Car-truck. No. 1,096,367; May 12; Gaz. vol. 202; p. 444.
- Head, Arthur F. H., assignor to The J. G. Brill Co., Philadelphia, Pa. Car-truck. No. 1,107,301; Aug. 18; Gaz. vol. 205; p. 690.
- Head, Arthur F. H., assignor to The J. G. Brill Co., Philadelphia, Pa. Brake mechanism for radial-axle trucks. No. 1,116,422; Nov. 10; Gaz. vol. 208; p. 366.
- Head, Arthur F. H., assignor to The J. G. Brill Co., Philadelphia, Pa. Scraper for sweepers. No. 1,116,423; Nov. 10; Gaz. vol. 208; p. 366.
- Headen, Walter C. (See Huston, Thomas H., assignor.)
- Headley, Alexander B., Rahway, assignor to The Loewenberg Company, Newark, N. J. Golf-bag. No. 1,119,508; Dec. 1; Gaz. vol. 209; p. 210.
- Headley, Barton M., Pataskala, Ohio. Roof for silos. No. 1,110,059; Sept. 8; Gaz. vol. 206; p. 466.
- Headley, Wellington F., Akron, Ohio. Printing device. No. 1,088,778; Mar. 3; Gaz. vol. 200; p. 36.
- Heafer, Frank D., and J. H. League, assignors of one-third to W. Balmer, Chicago, Ill. Ditch-sand strainer. No. 1,115,534; Nov. 3; Gaz. vol. 208; p. 23.
- Heagele, Arthur, Brooklyn, N. Y. Water-back for gas-stoves. No. 1,101,279; June 23; Gaz. vol. 203; p. 1134.
- Heagerty, Jeremiah, Oswego, N. Y. Fruit-press. No. 1,118,127; Nov. 24; Gaz. vol. 208; p. 1048.
- Healey & Company. (See Douglas, William H., assignor.)

Alphabetical list of patentees—Continued.

- Healey, Francis J., *et al.*, trustees. (See Healey and Sheppard, assignors.)
- Healey, Francis J., and S. R. Sheppard, assignors to F. J. Healey, New York, N. Y., and A. Faure, Paris, France, trustees. Machine for making and treating braids. No. 1,098,257; May 26; Gaz. vol. 202; p. 1185.
- Healey, James A., Wakefield, Mass., assignor to Parker Brothers, Incorporated, Portland, Me. Game apparatus. No. 1,102,986; July 7; Gaz. vol. 204; p. 263.
- Healy, Clarence, East Orange, N. J. Power-ramp. No. 1,098,725; June 2; Gaz. vol. 203; p. 126.
- Healy, John E. (See Cunniff, Williams, and Healy.)
- Healy, Leon J. D., New Britain, Conn. Demountable rim. No. 1,100,875; June 23; Gaz. vol. 203; p. 994.
- Healy, Mack J., assignor, by mesne assignments, to Consolidated Machine Company, Bradford, Pa. Glass-drawing tool or bait. No. 1,115,932; Nov. 3; Gaz. vol. 208; p. 158.
- Healy, Mack J., assignor, by mesne assignments, to Consolidated Machine Company, Bradford, Pa. Apparatus for drawing hollow glass articles. No. 1,115,933; Nov. 3; Gaz. vol. 208; p. 159.
- Healy, Mack J., assignor, by mesne assignments, to Consolidated Machine Company, Bradford, Pa. Apparatus for drawing hollow glass articles. No. 1,115,934; Nov. 3; Gaz. vol. 208; p. 159.
- Healy, Norman B., Fredonia, N. Y. Valve-dressing tool. No. 1,115,071; Oct. 27; Gaz. vol. 207; p. 1069.
- Healy, Patrick H., assignor to American Cut Glass Company, Lansing, Mich. Exhibitor. No. 1,085,906; Feb. 3; Gaz. vol. 199; p. 116.
- Healy, Patrick J., assignor of one-third to W. R. Houghtling, Seattle, Wash. Water tubular boiler for locomotives. No. 1,109,526; Sept. 1; Gaz. vol. 206; p. 234.
- Healy, William P. (See Miller, Julius J., assignor.)
- Heany, John A., Washington, D. C. Fluid-pressure drill. No. 1,084,009; Jan. 13; Gaz. vol. 198; p. 277.
- Heany, John A., Washington, D. C. Electric heating device. No. 1,104,499; July 21; Gaz. vol. 204; p. 878.
- Heany, John A., Flint, Mich., assignor, by mesne assignments, to A. E. L. Leckie, Washington, D. C. Electric starting and generating mechanism for vehicles. No. 1,103,672; July 14; Gaz. vol. 204; p. 554.
- Heany, John A., Flint, Mich., assignor, by mesne assignments, to A. E. L. Leckie, Washington, D. C. Combined guiding and starting apparatus for gas-engines. No. 1,117,378; Nov. 17; Gaz. vol. 208; p. 746.
- Heap, George, Cleveland, Ohio. Safety device for machines. No. 1,116,061; Nov. 3; Gaz. vol. 208; p. 203.
- Heap & Sons, William. (See Heap, William, assignor.)
- Heap & Sons, William. (See Heap, William L., assignor.)
- Heap, William, assignor to W. Heap & Sons, Grand Haven, Mich. Closet-flushing apparatus. No. 1,103,141; July 14; Gaz. vol. 204; p. 367.
- Heap, William L., assignor to W. Heap & Sons, Grand Haven, Mich. Flushing-tank. No. 1,106,380; Aug. 11; Gaz. vol. 205; p. 318.
- Heap, William L., assignor to W. Heap & Sons, Grand Haven, Mich. Flushing-valve-operating mechanism. No. 1,118,201; Nov. 24; Gaz. vol. 208; p. 1073.
- Heard, Eugene N., Oakland, Cal. Lock. No. 1,102,660; July 7; Gaz. vol. 204; p. 154.
- Heard, William E., Toronto, Ontario, Canada. Puzzle. No. 1,100,828; June 23; Gaz. vol. 203; p. 977.
- Heartman, Axel W., St. Paul, Minn. Ironing-board. No. 1,111,151; Sept. 22; Gaz. vol. 206; p. 935.
- Heat Saver Company. (See Blaske, William C., assignor.)
- Heater, Jacob D., assignor to The Barney and Smith Car Company, Dayton, Ohio. Curtain-fixture. No. 1,104,358; July 21; Gaz. vol. 204; p. 829.
- Heater, Jacob D., assignor to The Barney and Smith Car Company, Dayton, Ohio. Fastening device for curtains. No. 1,122,390; Dec. 29; Gaz. vol. 209; p. 1371.
- Heath, Albert R., Norfolk, Va. Automatic train-stop. No. 1,090,396; Mar. 17; Gaz. vol. 200; p. 682.
- Heath, Charles B., assignor of one-half to G. W. Quigley, San Francisco, Cal. Cabinet-table. No. 1,094,786; Apr. 28; Gaz. vol. 201; p. 1043.
- Heath, Charles W., Sioux Falls, S. D. Shock-absorber for motor-cycles. No. 1,104,500; July 21; Gaz. vol. 204; p. 878.
- Heath, Charles W., Sioux Falls, S. D. Shock-absorber for motor-cycles. No. 1,104,501; July 21; Gaz. vol. 204; p. 879.
- Heath, Charles W., Cincinnati, Ohio. Recorder. No. 1,119,956; Dec. 8; Gaz. vol. 209; p. 398.
- Heath, Charles W., Cincinnati, Ohio. Automatic gas-analysis apparatus. No. 1,121,244; Dec. 15; Gaz. vol. 209; p. 899.
- Heath, Harley S. and M. L., Kenton, Ohio. Circuit-breaking means for motor-vehicles. No. 1,085,608; Feb. 3; Gaz. vol. 199; p. 10.
- Heath, Harry C., Cajon, Cal. Automatic irrigator. No. 1,085,609; Feb. 3; Gaz. vol. 199; p. 11.
- Heath, Harry C., San Francisco, Cal. Siren. No. 1,086,822; Feb. 10; Gaz. vol. 199; p. 479.
- Heath, Herbert L., Manila, Philippine Islands. Decorticating-blade. No. 1,084,273; Jan. 13; Gaz. vol. 198; p. 367.
- Heath, Joshua, Sydney, and F. J. Boyle, North Sydney, New South Wales, Australia. Infant sling-support. No. 1,109,065; Sept. 1; Gaz. vol. 206; p. 74.
- Heath Method Company, The. (See Morse, Thomas W., assignor.)
- Heath, Millard L. (See Heath, Harley S. and M. L.)
- Heath, Ora J., Springfield, Ohio. Window-fixture. No. 1,111,067; Sept. 22; Gaz. vol. 206; p. 906.
- Heath, Spencer, assignor to Gyro Motor Company, Washington, D. C. Rotary gas-engine. No. 1,112,905; Oct. 6; Gaz. vol. 207; p. 172.
- Heath, William R. (See Crompton, William J., assignor.)
- Heath, William R. (See Heuser, Frederick O., assignor.)
- Heath, William R. (See Poole, Arthur F., assignor.)
- Heath, William R. (See Tailmadge, Charles H., assignor.)
- Heath, William R. (See Thomas, Adolph A., assignor.)
- Heath, William R. (See Williams, Lynn A., assignor.)
- Heaton, Charles D., Providence, R. I. Plating. No. 1,093,698; Apr. 21; Gaz. vol. 201; p. 614.
- Heaton, Charles D., Providence, R. I., assignor to B. A. Ballou and Company, Incorporated. Safety-catch. No. 1,102,503; July 7; Gaz. vol. 204; p. 98.
- Heaton Peninsular Button Fastener Company. (See Perkins, George W., assignor.)
- Heaton, Wilbur M., Pueblo, Colo. Speedometer. No. 1,120,482; Dec. 8; Gaz. vol. 209; p. 586.
- Heaverside, James H. (See Smith and Heaverside.)
- Hebbard, William E., Boston, Mass. Garment. No. 1,120,814; Dec. 15; Gaz. vol. 209; p. 749.
- Hebden, John C., Providence, R. I. Printing textiles. No. 1,087,370; Feb. 17; Gaz. vol. 199; p. 719.
- Hebenstreit, Louis. (See Gerken and Hebenstreit.)
- Heberer, Athelbert H. (See Thomas and Heberer, assignors.)
- Heberer, Conrad. (See Thomas and Heberer.)
- Heberlein, Edith, Oceanpark, Cal. Life-saving garment. No. 1,098,110; May 26; Gaz. vol. 202; p. 1136.
- Heberling, John, Rochester, N. Y. Machine for removing stones from fruit. No. 1,083,881; Jan. 6; Gaz. vol. 198; p. 202.
- Heberling, John, Rochester, N. Y. Sewing-machine. No. 1,118,417; Nov. 24; Gaz. vol. 208; p. 1149.
- Heberling, John, assignor to L. G. Mabbett, Rochester, N. Y. Buckle. No. 1,087,012; Feb. 10; Gaz. vol. 199; p. 543.
- Hebern, Edward H., assignor to H & H Patent-Developing Company, Oakland, Cal. Machine for forming code messages. No. 1,084,010; Jan. 13; Gaz. vol. 198; p. 278.
- Hebern, Edward H., assignor, by mesne assignments, to H & H Patent-Developing Company, Oakland, Cal. Means for interpreting code messages. No. 1,096,168; May 12; Gaz. vol. 202; p. 374.
- Hebern, Edward H., and F. Hoffman, assignors, by mesne assignments, to H & H Patent-Developing Company, Oakland, Cal. Cryptographic attachment for type-writing machines. No. 1,086,823; Feb. 10; Gaz. vol. 199; p. 479.
- Hebert, Edward J., Shreveport, La. Wall-closet. No. 1,102,048; June 30; Gaz. vol. 203; p. 1454.
- Hébert, Joseph A. H. (See Bédard, Théophile E. and P. E., assignors.)
- Hebert, Joseph A. H., *et al.* (See Langlais, Charles E. O., assignor.)
- Hebert, Joseph P. (See Myre and Hebert.)
- Hebert, Paul, Benrath, Germany. Rail-chair. No. 1,086,046; Feb. 3; Gaz. vol. 199; p. 167.
- Hechenbleikner, Ingeniun, Charlotte, N. C., assignor to Southern Electro-Chemical Company, New York, N. Y. Manufacturing phosphoric acid. No. 1,112,211; Sept. 29; Gaz. vol. 206; p. 1337.
- Hecht, Heinrich, Kiel, Germany. Membranous or diaphragm transmitter for submarine sound-signals. No. 1,097,859; May 26; Gaz. vol. 202; p. 1046.
- Hecht, Joseph, Riverside, Cal. Cultivator. No. 1,092,990; Apr. 14; Gaz. vol. 201; p. 332.
- Hecht, Joseph L., *et al.* (See Einfeldt, Emil, assignor.)
- Hecht, Joseph L., Davenport, Iowa, assignor, by mesne assignments, to Davenport Wagon Company, Moline, Ill. Wagon-gear construction. No. 1,098,439; June 2; Gaz. vol. 203; p. 29.
- Hecht, Julius L., Evanston, and J. C. Gopen, Oak Park, Ill., assignors of one-half to Electric Service Supplies Company, Philadelphia, Pa. Insulator-pin. No. 1,094,852; Apr. 28; Gaz. vol. 201; p. 1066.
- Heck, Anderson C., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Excavator. No. 1,110,931; Sept. 15; Gaz. vol. 206; p. 816.
- Heckel, Otto A., St. Louis, Mo. Nut-lock. No. 1,093,050; Apr. 14; Gaz. vol. 201; p. 352.
- Heckel, Otto A., St. Louis, Mo. Door-hanger. No. 1,115,816; Nov. 3; Gaz. vol. 208; p. 117.
- Hecker, Frank A., *et al.* (See Stewart, David S., assignor.)
- Heckling, George, Cleveland, Ohio. Blank for forming the shanks of pipe-wrenches. No. 1,091,220; Mar. 24; Gaz. vol. 200; p. 997.
- Heckman, Fred, Maria Stein, Ohio. Traction-engine. No. 1,097,429; May 19; Gaz. vol. 202; p. 852.

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- Heckman, Homer H., Freeport, Ill. Knockdown wash-bowl. No. 1,121,597; Dec. 15; Gaz. vol. 209; p. 1023.
- Heckman, John A., Friend, Nebr. Ball-bearing car-wheel. No. 1,097,430; May 19; Gaz. vol. 202; p. 853.
- Hector, Goah W., Charleston, Mo. Handsaw. No. 1,102,918; July 7; Gaz. vol. 204; p. 242.
- Hedberg, Edward W., Chicago, Ill. Chair. No. 1,117,379; Nov. 17; Gaz. vol. 208; p. 746.
- Hedden, John S., assignor to Bloomer Bros. Co., Newark, N. Y. Egg-tray. No. 1,088,570; Feb. 24; Gaz. vol. 199; p. 1176.
- Heddon, Charles, Dowagiac, Mich. Fish bait or lure. No. 1,114,137; Oct. 20; Gaz. vol. 207; p. 685.
- Hedemann, Christian J., assignor to Honolulu Iron Works Company, Honolulu, Hawaii. Sugar-cane mill. No. 1,106,301; Aug. 4; Gaz. vol. 205; p. 246.
- Hedendahl, Theodore A., Denver, Colo., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Pressure-retaining-valve device. No. 1,108,170; Aug. 25; Gaz. vol. 205; p. 1043.
- Hedfeldt, Axel T., Chicago, Ill. Milling-machine. No. 1,094,069; Apr. 21; Gaz. vol. 201; p. 737.
- Hedgcock, William C., Hammond, Ind., assignor to Simplex Railway Appliance Company, Chicago, Ill. Brake-beam. No. 1,093,851; Apr. 21; Gaz. vol. 201; p. 664.
- Hedges, Edward E., Boston, Mass. Amalgamating-machine. No. 1,118,128; Nov. 24; Gaz. vol. 208; p. 1048.
- Hedges, Jabez. (See Hammack, Hedges, and Martin.)
- Hedglon, Mead, Syracuse, assignor to V. A. Dreyfus, New York, N. Y. Clothes-washing machine. No. 1,114,261; Oct. 20; Gaz. vol. 207; p. 730.
- Hedley, Frank. (See Doyle and Hedley.)
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Street-car. No. 1,085,255; Jan. 27; Gaz. vol. 198; p. 764.
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Conductor's or cashier's collection-counter for cars. No. 1,119,509; Dec. 1; Gaz. vol. 209; p. 210.
- Hedman, Carl M. (See Johnson and Hedman.)
- Hedman, Erik G., Stockholm, Sweden. Knife-edge bearing for weighing apparatus. No. 1,109,838; Sept. 8; Gaz. vol. 206; p. 387.
- Hedman, Nils O., Leadville, Colo. Saw-setting device. No. 1,122,922; Dec. 29; Gaz. vol. 209; p. 1557.
- Hedmark, Joseph H., Chicago, Ill. Steam-trap. No. 1,095,159; Apr. 28; Gaz. vol. 201; p. 1172.
- Hedrick, Ira G., and V. H. Cochrane, Kansas City, Mo. Counterweight. No. 1,087,233; Feb. 17; Gaz. vol. 199; p. 672.
- Hedstrom, Carl O., Portland, Conn. Motor-cycle. No. 1,090,477; Mar. 17; Gaz. vol. 200; p. 711.
- Hedstrom, Carl O., Portland, Conn. Motor-cycle frame. No. 1,111,152; Sept. 22; Gaz. vol. 206; p. 935.
- Hedstrom, Carl O., and C. J. Gustafson, assignors to Hendee Manufacturing Company, Springfield, Mass. Motor-cycle frame. No. 1,101,435; June 23; Gaz. vol. 203; p. 1187.
- Hedstrom, John P., Big Rapids, Mich. Adjustable head for band-saw grinders. No. 1,102,504; July 7; Gaz. vol. 204; p. 98.
- Hedstrom, John P., Big Rapids, Mich. Knife-grinding machine. No. 1,106,560; Aug. 11; Gaz. vol. 205; p. 385.
- Heer, Charles, Peoria, Ill. Drinking-fountain. No. 1,085,418; Jan. 27; Gaz. vol. 198; p. 820.
- Heer, Thomas, Baltimore, Md. Ash-remover for furnaces. No. 1,116,062; Nov. 3; Gaz. vol. 208; p. 204.
- Heeren, John F., Lemars, Iowa. Conveyor-speed-varying mechanism for manure-spreaders. No. 1,088,225; Feb. 24; Gaz. vol. 199; p. 1063.
- Heeren, William E., Pittsburgh, Pa. Ornamenting with botanic specimens. No. 1,084,858; Jan. 20; Gaz. vol. 198; p. 592.
- Heerwagen Company. (See Schwertner, Joseph, assignor.)
- Heess, Albert. (See Daimler and Heess.)
- Heess, Jacob. (See Mann and Heess.)
- Heeter, Charles M., Butler, Pa. Well-swabbing mechanism. No. 1,098,320; May 26; Gaz. vol. 202; p. 1209.
- Heffernan, Thomas, London, England. Golf-club. No. 1,088,571; Feb. 24; Gaz. vol. 199; p. 1176.
- Hefferon, John, Cheyenne, Wyo. Draft-regulator for furnaces. No. 1,088,572; Feb. 24; Gaz. vol. 199; p. 1177.
- Hefley, William H., Chickasha, assignor of one-half to S. N. Johnson, Gracemont, Okla. Cotton-harvester. No. 1,095,572; May 5; Gaz. vol. 202; p. 136.
- Heffner, Edward F. (See Brasefield, Claude E., assignor.)
- Heffner, Herman C., Martinsburg, W. Va. Insulator-holder. No. 1,095,860; May 5; Gaz. vol. 202; p. 234.
- Heffner, John, Saxton, Pa. Plow. No. 1,109,527; Sept. 1; Gaz. vol. 206; p. 234.
- Heflin, Ellsworth, and W. J. Roberts, Red Oak, Iowa. Veterinary appliance. No. 1,110,686; Sept. 15; Gaz. vol. 206; p. 730.
- Heflin, Le Roy, Fairfax, Okla. Device for supporting watch-chains on belts. No. 1,090,054; Mar. 10; Gaz. vol. 200; p. 521.
- Hefner, Ivora O., Lexington, Ill. Truck. No. 1,099,363; June 9; Gaz. vol. 203; p. 386.
- Hefter, Louis. (See Rous, Bernard, assignor.)
- Hefti, Fridolin, Altstetten, near Zurich, Switzerland, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Bromodiethylacetylilsoocyanate. No. 1,086,294; Feb. 3; Gaz. vol. 199; p. 249.
- Heftler, Victor R., Detroit, Mich., assignor to Société du Carburateur Zenith, Lyon, France. Carbureter. No. 1,096,626; May 12; Gaz. vol. 202; p. 530.
- Hegardt, Axel E., Philadelphia, Pa. Flexible rule. No. 1,122,595; Dec. 29; Gaz. vol. 209; p. 1442.
- Hegenscheldt, William. (See Jeczalik, John, assignor.)
- Hegewald, Frank, Irvington, assignor to Kremenitz & Company, Newark, N. J. Closing tubular bodies. No. 1,089,339; Mar. 3; Gaz. vol. 200; p. 225.
- Heggen, Alfred G., Pittsburgh, Pa. Control casing-head. No. 1,092,441; Apr. 7; Gaz. vol. 201; p. 110.
- Heggie, James, Kilbowie, Clydebank, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine. No. 1,094,715; Apr. 28; Gaz. vol. 201; p. 1020.
- Heghinian, Garabed G., New York, N. Y. Coin-controlled vending-machine. No. 1,095,630; May 5; Gaz. vol. 202; p. 156.
- Heginbottom, Bert W. (See Heginbottom, Samuel H., F. H., and B. W.)
- Heginbottom, Frank H. (See Heginbottom, Samuel H., F. H., and B. W.)
- Heginbottom, Samuel H., F. H., and B. W., Saginaw, Mich. Starting device for explosive-engines. No. 1,108,498; Aug. 25; Gaz. vol. 205; p. 1159.
- Hehr, John G., New York, N. Y. Carrier. No. 1,098,797; June 2; Gaz. vol. 203; p. 149.
- Heichel, James R., and G. E. Gorz, Ashland, Ohio. Detachable seat for ladders. No. 1,090,712; Mar. 17; Gaz. vol. 200; p. 789.
- Heichert, Herman S., Ford City, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Grinding-machine for manufacturing plate-glass. No. 1,089,924; Mar. 10; Gaz. vol. 200; p. 473.
- Heidbreder, George E., and A. Ohnemus, assignors to Excelsior Stove and Manufacturing Company, Quincy, Ill. Stove-top support. No. 1,103,673; July 14; Gaz. vol. 204; p. 554.
- Heidel, Charles J., Cincinnati, Ohio. Toy savings-bank. No. 1,091,333; Mar. 24; Gaz. vol. 200; p. 1031.
- Heidel, Wilbur A., Mankato, Minn. Matrix-making machine. No. 1,098,947; June 2; Gaz. vol. 203; p. 200.
- Heidenheim, Isidore, *et al.* (See Negovatch, Peter, assignor.)
- Heidenreich, Carl. (See Blank, Heidenreich, and Jansen.)
- Heidenreich, Isidor, Chicago, Ill. Advertising novelty. No. 1,105,655; Aug. 4; Gaz. vol. 205; p. 24.
- Heilborn, Arnold H., Providence, R. I. Collapsible bucket. No. 1,095,631; May 5; Gaz. vol. 202; p. 156.
- Heilemann, Walter, and H. Kanonenberg, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Pivot-stand for mobile artillery. No. 1,098,258; May 26; Gaz. vol. 202; p. 1186.
- Heilemann, Walter, and H. Kanonenberg, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Pivot-stand for wheeled gun-carriages. No. 1,120,483; Dec. 8; Gaz. vol. 209; p. 586.
- Heille, William E., Casselton, N. D. Device for killing flies. No. 1,111,579; Sept. 22; Gaz. vol. 206; p. 1082.
- Heilman, Frederick, Johnstown, Pa. Inhaler. No. 1,106,214; Aug. 4; Gaz. vol. 205; p. 219.
- Heilmann, Adam. (See Geiger, Stephan, assignor.)
- Heillos, Frank, assignor of one-half to A. A. Zimmer, Paris, Ark. Wire-stretcher. No. 1,101,797; June 30; Gaz. vol. 203; p. 1364.
- Heilprin, William A., Philadelphia, Pa. Air-gun. No. 1,098,151; May 26; Gaz. vol. 202; p. 1149.
- Heilprin, William A., Philadelphia, Pa. Air-gun. No. 1,098,321; May 26; Gaz. vol. 202; p. 1209.
- Heim, Charles B., Marco, Ind. Paper-press. No. 1,113,625; Oct. 13; Gaz. vol. 207; p. 466.
- Heim, George C., Newark, N. J. Receptacle. No. 1,107,066; Aug. 11; Gaz. vol. 205; p. 559.
- Heim, Joseph J., and W. Nottberg, Kansas City, Mo. Frost-remover. No. 1,102,336; July 7; Gaz. vol. 204; p. 40.
- Heim, Lewis R., Danbury, Conn. Wire-feeding mechanism. No. 1,119,510; Dec. 1; Gaz. vol. 209; p. 211.
- Heim, Peter, Cullman, Ala. Hair-crimper. No. 1,091,334; Mar. 24; Gaz. vol. 200; p. 1031.
- Heimann, Heinrich, Dessau, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Sulfurized dyes and making same. No. 1,096,715; May 12; Gaz. vol. 202; p. 558.
- Heimann, Heinrich, Dessau, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Sulfurized dyes and making same. No. 1,098,259; May 26; Gaz. vol. 202; p. 1186.
- Heimann, Heinrich, Dessau, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Sulfurized dyes and making same. No. 1,098,260; May 26; Gaz. vol. 202; p. 1187.
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- Heimar, Haynie H., Durham, N. C. Nut-lock. No. 1,104,731; July 21; Gaz. vol. 204; p. 958.
- Heimberg, Paul, Dusseldorf, Germany, assignor to Vereinigte Carborundum- und Elektrit-Werke Akt. Ges., Vienna, Austria-Hungary. Apparatus for the automatic supply of cooling-water to grinding-wheels. No. 1,088,277; Feb. 24; Gaz. vol. 199; p. 1081.
- Heimlich, Edward C., assignor of one-half to J. H. Kennedy, Detroit, Mich. Smoke-consumer. No. 1,120,484; Dec. 8; Gaz. vol. 209; p. 586.
- Heimlicher, Jacob, assignor of one-half to W. Gelger, Defiance, Ohio. Vehicle-wheel. No. 1,118,767; Nov. 24; Gaz. vol. 208; p. 1270.
- Hein, George N. (See Platt, Hein, and Impey.)
- Heina, William M., assignor of twenty-three and one-third one-hundredths to E. V. Derks, twenty-three and one-third one-hundredths to E. Kammler, New York, N. Y., and twenty-three and one-third one-hundredths to A. R. Southworth, Westwood, N. J. Resilient tire. No. 1,106,302; Aug. 4; Gaz. vol. 205; p. 246.
- Heinbach, William I., Phoenixville, Pa. Nut-lock. No. 1,107,213; Aug. 11; Gaz. vol. 205; p. 611.
- Heine, Wilhelm H., Honolulu, Hawaii. Food product and preparing the same. No. 1,089,215; Mar. 3; Gaz. vol. 200; p. 187.
- Heine, Wilhelm H., Honolulu, Hawaii. Obtaining fertilizer. No. 1,122,923; Dec. 29; Gaz. vol. 209; p. 1557.
- Heineke, Martin L., Springfield, Ill. Self-feeder for threshing-machines. No. 1,107,517; Aug. 18; Gaz. vol. 205; p. 768.
- Heineman, Charles J., Chicago, Ill., assignor to Emil Grossman Mfg. Co. Inc., Brooklyn, N. Y. Wind-shield cleaner. No. 1,112,793; Oct. 6; Gaz. vol. 207; p. 134.
- Heineman, Charles J., and A. H. Hensley, Chicago, Ill.; said Heineman assignor to said Hensley. Dynamo-electric machine. No. 1,095,632; May 5; Gaz. vol. 202; p. 156.
- Heinemann, Arthur, West Kensington, London, England. Depolymerization of turpentine or turpentine-oil. No. 1,092,838; Apr. 14; Gaz. vol. 201; p. 281.
- Heinemann, Arthur, South Kensington, London, England. Production of isoprene. No. 1,095,395; May 5; Gaz. vol. 202; p. 75.
- Heinemann, Karl, assignor to Deutsche Waffen- und Munitionsfabriken, Berlin, Germany. Machine-gun. No. 1,087,371; Feb. 17; Gaz. vol. 199; p. 719.
- Heinemann, Karl, assignor to Deutsche Waffen- und Munitionsfabriken, Berlin, Germany. Automatic gun. No. 1,114,611; Oct. 20; Gaz. vol. 207; p. 852.
- Heinitz, Woldemar R., Chemnitz, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Recording mechanism for cash-registers. No. 1,094,561; Apr. 28; Gaz. vol. 201; p. 962.
- Heinke, Ernest H., London, England. Boat-propelling mechanism. No. 1,120,485; Dec. 8; Gaz. vol. 209; p. 586.
- Heinkel, Christian F., Cleveland, Ohio. Joining materials. No. 1,090,533; Mar. 17; Gaz. vol. 200; p. 731.
- Heinkel, Christian F., Cleveland, Ohio. Cutting-tool. No. 1,106,561; Aug. 11; Gaz. vol. 205; p. 385.
- Heinrich, Hugo, Zwickau, Germany. Rotary inclosed engine. No. 1,118,344; Nov. 24; Gaz. vol. 208; p. 1123.
- Heinrich, Jacob, Nuremberg, assignor to Metallpapier-Bronzefarben-Blattmetalwerke Aktiengesellschaft, Munich, Germany. Control device for sheet-separators. No. 1,092,359; Apr. 7; Gaz. vol. 201; p. 82.
- Heins, Otto H. H., Edgewater, N. J. Electric switch. No. 1,094,562; Apr. 28; Gaz. vol. 201; p. 962.
- Heinsen, Christian M., Fresno, Cal. Oil-burner. No. 1,114,985; Oct. 27; Gaz. vol. 207; p. 1038.
- Heinsohn, Edwin I., Cleveland, Ohio. Apparatus for electric welding. No. 1,119,079; Dec. 1; Gaz. vol. 209; p. 63.
- Heintz, Otto L., Buffalo, N. Y. Ash-receptacle. No. 1,092,991; Apr. 14; Gaz. vol. 201; p. 332.
- Heiny, Anatole C., New York, N. Y. Method of and apparatus for removing or dissipating static electricity from paper, cloth, yarn, &c. No. 1,099,799; June 9; Gaz. vol. 203; p. 533.
- Heinz, Alfred, Paris, France. Electrolytic converter for the transformation of alternating currents into continuous currents. No. 1,097,801; May 26; Gaz. vol. 202; p. 1027.
- Heinz, Carl, and J. Du Roth, Johnstown, Pa. Collapsible car-body. No. 1,093,574; Apr. 14; Gaz. vol. 201; p. 525.
- Heinz, Ignatzius, assignor of one-half to R. Liebscher, New York, N. Y. Cruller-shaping machine. No. 1,099,040; June 2; Gaz. vol. 203; p. 229.
- Heinz, William V., La Salle, Ill. Chute for glazed windows. No. 1,110,627; Sept. 15; Gaz. vol. 206; p. 709.
- Heinz, William V., La Salle, Ill. Metal bead for plasterings. No. 1,111,153; Sept. 22; Gaz. vol. 206; p. 935.
- Heinze, John O., Detroit, Mich. Ignition system for internal-combustion engines. No. 1,122,001; Dec. 22; Gaz. vol. 209; p. 1201.
- Heinzelman, Reginald, Belleville, Ill., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller-bearing. No. 1,102,404; July 7; Gaz. vol. 204; p. 64.
- Heinzen, Carl, Chicago, Ill. Bag filling and tying machine. No. 1,084,799; Jan. 20; Gaz. vol. 198; p. 572.
- Heinzel, Hugo, Fischern, near Carlsbad, Austria-Hungary. Joint for crossing metal bars. No. 1,083,931; Jan. 13; Gaz. vol. 198; p. 250.
- Heise, Fred H., Manson, Iowa. Cupola. No. 1,106,215; Aug. 4; Gaz. vol. 205; p. 219.
- Heiselmann, Frank F., Cincinnati, Ohio. Horseshoe-calk. No. 1,090,055; Mar. 10; Gaz. vol. 200; p. 522.
- Heiser, Edgar F., Kingston, Mo. Cylinder-reboring device. No. 1,097,318; May 19; Gaz. vol. 202; p. 816.
- Heisey & Co., A. H. (See Whipple, Clyde S., assignor.)
- Heisler, Charles F., *et al.* (See Haeusler, Charles D., assignor.)
- Heisler, Charles L., Schenectady, N. Y. Coal-passer for locomotive-tenders. No. 1,088,418; Feb. 24; Gaz. vol. 199; p. 1127.
- Heisler, Charles L., Schenectady, N. Y. Wheel for vehicles. No. 1,092,573; Apr. 7; Gaz. vol. 201; p. 155.
- Heisler, Charles L., Schenectady, N. Y. Locomotive-sand-box arrangement. No. 1,093,989; Apr. 21; Gaz. vol. 201; p. 710.
- Heisler, Charles L., Schenectady, N. Y. Locomotive-engine. No. 1,111,456; Sept. 22; Gaz. vol. 206; p. 1039.
- Heisler, Charles L., Schenectady, N. Y. Wheel for vehicles. No. 1,113,213; Oct. 13; Gaz. vol. 207; p. 320.
- Heisler, Charles L., Schenectady, N. Y. Pipe expanding and beading machine. No. 1,114,351; Oct. 20; Gaz. vol. 207; p. 761.
- Heisler, Charles L., Schenectady, and F. W. Heisler, Utica, N. Y. Governor for controlling the speed of engines and machinery. No. 1,099,364; June 9; Gaz. vol. 203; p. 386.
- Heisler, Frederick W. (See Heisler, Charles L. and F. W.)
- Heisler, Martin M., *et al.* (See Le Compte, Joseph H., assignor.)
- Heisler, Martin M., and A. G. Witte, Chicago, Ill. Lubricator. No. 1,109,125; Sept. 1; Gaz. vol. 206; p. 94.
- Heisler, Oscar C., *et al.* (See Haeusler, Charles D., assignor.)
- Heistand, Elisha B. (See Matthews, Cranmer L. and A. B., assignors.)
- Heitger, Frank H., Indianapolis, Ind. Carbureter. No. 1,090,208; Mar. 17; Gaz. vol. 200; p. 616.
- Heitger, Frank H., Indianapolis, Ind. Carbureter. No. 1,090,209; Mar. 17; Gaz. vol. 200; p. 616.
- Heitman, Arnold H. C., assignor to Parke, Davis & Company, Detroit, Mich. Aminophenyl arsenic compound. No. 1,119,279; Dec. 1; Gaz. vol. 209; p. 130.
- Heitmiller, Herman E., St. Paul, assignor to Ware Grain Binder Attachment Co., Minneapolis, Minn. Binder-head for harvesters. No. 1,106,562; Aug. 11; Gaz. vol. 205; p. 386.
- Hejda, Charles J., assignor to Associated Engineers Company, Chicago, Ill. Contact-making voltmeter. No. 1,101,798; June 30; Gaz. vol. 203; p. 1364.
- Helberg, August W. H., Gardnersville, Nev. Reserve-supply tank. No. 1,110,057; Sept. 8; Gaz. vol. 206; p. 465.
- Helbert, John T., *et al.* (See Fahrney, John J., assignor.)
- Helbert, John T., assignor to Fahrney Wheel Corporation, Timberville, Va. Resilient wheel. No. 1,122,274; Dec. 29; Gaz. vol. 209; p. 1333.
- Helbronner, André. (See Henri, Helbronner, and Recklinghausen.)
- Held Company, The. (See Held, Siegfried, assignor.)
- Held, Siegfried, assignor to The Held Company, Chicago, Ill. Water-sterilizing tank. No. 1,085,578; Jan. 27; Gaz. vol. 198; p. 871.
- Held, Siegfried, assignor to The Held Company, Chicago, Ill. Ozone-generator. No. 1,085,579; Jan. 27; Gaz. vol. 198; p. 871.
- Heldmann, Peter, Frankfurt-on-the-Main, assignor to J. Votteler, Wurttemberg, Germany. Machine for cutting books. No. 1,088,573; Feb. 24; Gaz. vol. 199; p. 1177.
- Helfenstein, Alois, Vienna, Austria-Hungary. Electric induction heater or furnace. No. 1,093,328; Apr. 14; Gaz. vol. 201; p. 449.
- Helfenstein, Alois, Vienna, Austria-Hungary. Collector. No. 1,094,563; Apr. 28; Gaz. vol. 201; p. 962.
- Helfrich, Gustav P., New York, N. Y. Lawn-mower. No. 1,089,556; Mar. 10; Gaz. vol. 200; p. 350.
- Helfrich, Gustav P., New York, N. Y. Torpedo. No. 1,117,843; Nov. 17; Gaz. vol. 208; p. 910.
- Helfrich, M. D. (See Henn, William A., assignor.)
- Helgeson, Melvin N., Clermont, Iowa. Watering-trough valve. No. 1,099,800; June 9; Gaz. vol. 203; p. 533.
- Helgeson, Lars J., Fisher, Minn. Check-row planter. No. 1,084,432; Jan. 13; Gaz. vol. 198; p. 418.
- Helgeson, Magnus T., Buford, N. D. Door-lock. No. 1,118,768; Nov. 24; Gaz. vol. 208; p. 1270.
- Helix Tube Co. (See Dow, Alexander, assignor.)
- Helke, Charles E., Port Edwards, Wis. Fruit-jar-cap straightener. No. 1,083,444; Jan. 6; Gaz. vol. 198; p. 62.
- Heller, Adam, Baltimore, Md. Molding-machine. No. 1,100,562; June 16; Gaz. vol. 203; p. 832.
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- Heller, Ernst B., New York, N. Y., assignor to Beatrice Creamery Company, Lincoln, Nebr. Producing renovated and artificial butter. No. 1,109,750; Sept. 8; Gaz. vol. 206; p. 357.
- Heller, Fritz, Kaschau, near Pilsen, Austria-Hungary. Spreading-oven for the manufacture of sheet-glass. No. 1,120,486; Dec. 8; Gaz. vol. 209; p. 587.
- Heller, George G. (See Coates, Clinton T., assignor.)
- Heller, Rose, Philadelphia, Pa. Screen. No. 1,093,779; Apr. 21; Gaz. vol. 201; p. 638.
- Heller, William C., Montpelier, Ohio. Merchandise-cabinet. No. 1,116,817; Nov. 10; Gaz. vol. 208; p. 510.
- Hellerstedt, Peter F., Chattanooga, Tenn. Auxiliary spring. No. 1,107,067; Aug. 11; Gaz. vol. 205; p. 559.
- Hellfach, Ernest, Walhalla, N. D. Potato-sorter. No. 1,105,427; July 28; Gaz. vol. 204; p. 1251.
- Helliker, Herbert W., Oakland, Cal. Card-exhibiting device. No. 1,088,574; Feb. 24; Gaz. vol. 199; p. 1177.
- Hellman, James, Walsh, Ill. Hub-guard. No. 1,084,739; Jan. 20; Gaz. vol. 198; p. 552.
- Hellman, John, Brooklyn, N. Y. Miter-box. No. 1,106,044; Aug. 4; Gaz. vol. 205; p. 161.
- Hellmund, Rudolf E., assignor to Westinghouse Electric and Manufacturing Company, Pittsburgh, Pa. Induction-motor. No. 1,116,424; Nov. 10; Gaz. vol. 208; p. 367.
- Hellmuth, August, and S. Maulbeck, West Hoboken, N. J. Controlling apparatus for sewage-disposal plants. No. 1,107,788; Aug. 18; Gaz. vol. 205; p. 865.
- Hellriegel, Edmund, Brooklyn, assignor to The Wagner Comb Manufacturing Co., New York, N. Y. Eyeglasses. No. 1,092,360; Apr. 7; Gaz. vol. 201; p. 82.
- Hellstrom, Frank O., Grove, N. D. Rail-support. No. 1,112,613; Oct. 6; Gaz. vol. 207; p. 73.
- Hellstrom, Frank O., assignor to American Safety Steel Rail Co., Bismarck, N. D. Railway-rail. No. 1,109,922; Sept. 8; Gaz. vol. 206; p. 419.
- Hellstrom, Karl J., *et al.* (See Enström, Nils G., assignor.)
- Hellwig, Gustave, and M. Lagelbaner, Bridgeport, Conn. Fly-catcher. No. 1,092,361; Apr. 7; Gaz. vol. 201; p. 82.
- Hellwig, Wilhelm, Münsterfeld, Germany. Rendering peat, wood-waste, and other vegetable substances suitable for the manufacture of paper-pulp. No. 1,121,099; Dec. 15; Gaz. vol. 209; p. 851.
- Helm, Charles I., Phoenix, Ariz. Tree-balling device. No. 1,117,844; Nov. 17; Gaz. vol. 208; p. 910.
- Helm, Max, Pankow, Germany, assignor to General Electric Company. Bearing for measuring instruments. No. 1,104,189; July 21; Gaz. vol. 204; p. 770.
- Helm, Michael G., Streeter, N. D. Rail-joint. No. 1,108,841; Aug. 25; Gaz. vol. 205; p. 1276.
- Helman, Maurice, Sidney, Ohio. Stamp-vending machine. No. 1,093,409; Apr. 14; Gaz. vol. 201; p. 476.
- Helmkamp, Louis C., and E. Hoxworth, Waco, Tex. Non-refillable bottle. No. 1,089,216; Mar. 3; Gaz. vol. 200; p. 187.
- Helmer, Alf, New York, N. Y. Knife and scissors sharpener. No. 1,092,713; Apr. 7; Gaz. vol. 201; p. 202.
- Helmers, George, Taylorville, Ill. Rail-joint. No. 1,115,817; Nov. 3; Gaz. vol. 208; p. 117.
- Helmers, Gerhard F., Baltimore, Md. Cuff. No. 1,105,779; Aug. 4; Gaz. vol. 205; p. 68.
- Helmsen, Charles J., *et al.* (See O'Donnell, John G., assignor.)
- Helmsen, Edward A., *et al.* (See O'Donnell, John G., assignor.)
- Helsel, Sanford. (See Marks and Helsel.)
- Heman, Theodore R., Chicago, Ill. Juvenile cart. No. 1,092,992; Apr. 14; Gaz. vol. 201; p. 332.
- Hemenger, Francis R., Algonac, Mich. Steering device for ships. No. 1,092,213; Apr. 7; Gaz. vol. 201; p. 31.
- Hemingray Glass Company. (See Holmes, Minot K., assignor.)
- Hemington, Edward J., Akron, Ohio. Tire. No. 1,109,066; Sept. 1; Gaz. vol. 206; p. 74.
- Hemker, William H. (See Manning, Frank X., assignor.)
- Hemleb, Martin. (See Diehl and Hemleb.)
- Hemleb, Martin, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Embroidering-machine. No. 1,102,405; July 7; Gaz. vol. 204; p. 65.
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- Hemming, Carl H., New Haven, Conn. Shear-blade-grinding machine. No. 1,097,802; May 26; Gaz. vol. 202; p. 1028.
- Hemming, Carl H., New Haven, Conn. Cutlery-polishing machine. No. 1,098,726; June 2; Gaz. vol. 203; p. 126.
- Hemming, Otto L., assignor to The F. B. Shuster Company, New Haven, Conn. Wire straightening and cutting-off machine. No. 1,121,100; Dec. 15; Gaz. vol. 209; p. 851.
- Hempel, Theodor. (See Jucker and Hempel.)
- Hempelmann, Frederick W., Cincinnati, Ohio. Winding and rewinding device for automatic musical instruments. No. 1,091,658; Mar. 31; Gaz. vol. 200; p. 1187.
- Hempelmann, Frederick W., Cincinnati, Ohio. Rewinding device for selector-sheets. No. 1,097,020; May 19; Gaz. vol. 202; p. 708.
- Hemphill, Dana E., Salt Lake City, Utah. Chain-clasp or safety-catch. No. 1,089,340; Mar. 3; Gaz. vol. 200; p. 226.
- Hemphill Manufacturing Co. (See Wilcomb, Frank, assignor.)
- Hemstreet, Adelaide S., Indian Head, Saskatchewan, Canada. Combined crochet work-bag and spool-holder. No. 1,092,792; Apr. 7; Gaz. vol. 201; p. 229.
- Hemstreet, Stephen W., Audubon, Iowa. Broom-holder. No. 1,105,428; July 28; Gaz. vol. 204; p. 1252.
- Henckel, Gustave A., New York, N. Y. Combination vase and candlestick. No. 1,109,751; Sept. 8; Gaz. vol. 206; p. 357.
- Hendee, Edward T., Chicago, Ill. Friction cutting-machine. No. 1,105,140; July 28; Gaz. vol. 204; p. 1147.
- Hendee, Edward T., Chicago, Ill. Welding-machine. No. 1,115,195; Oct. 27; Gaz. vol. 207; p. 1113.
- Hendee Manufacturing Company. (See Hedstrom and Gustafson, assignors.)
- Hendersen, Ernest H., Philadelphia, Pa. Boat-launching device. No. 1,121,499; Dec. 15; Gaz. vol. 209; p. 988.
- Henderson, Albert H., assignor to The Henderson Rubber Company, Baltimore, Md. Treating solid by-products of the animal kingdom of more or less fibrous structure. No. 1,087,904; Feb. 17; Gaz. vol. 199; p. 903.
- Henderson, Albert H., assignor to The Henderson Rubber Company, Baltimore, Md. Fibrous thread. No. 1,093,183; Apr. 14; Gaz. vol. 201; p. 399.
- Henderson, Albert H., assignor to The Henderson Rubber Company, Baltimore, Md. Treating rawhide and the product resulting therefrom. No. 1,094,853; Apr. 28; Gaz. vol. 201; p. 1066.
- Henderson, Albert H., assignor to The Henderson Rubber Company, Baltimore, Md. Cushioned tire for vehicles. No. 1,095,861; May 5; Gaz. vol. 202; p. 234.
- Henderson, Alexander, assignor to Detroit Copper and Brass Rolling Mills, Detroit, Mich. Metal-scalping machine. No. 1,097,976; May 26; Gaz. vol. 202; p. 1091.
- Henderson, Carl, Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Compensating cylinder for printing-presses. No. 1,106,508; Aug. 11; Gaz. vol. 205; p. 366.
- Henderson, Clark T., Milwaukee, Wis. Variable-speed mechanism. No. 1,122,924; Dec. 29; Gaz. vol. 209; p. 1558.
- Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,108,905; Sept. 1; Gaz. vol. 206; p. 15.
- Henderson, Douglas, Dallas, Tex. Weighing attachment for ice-tongs. No. 1,107,422; Aug. 18; Gaz. vol. 205; p. 735.
- Henderson, Edwin D. (See Rosner, Max, assignor.)
- Henderson, Edwin L., assignor to The Kemper-Thomas Company, Norwood, Ohio. Check-book holder. No. 1,089,557; Mar. 10; Gaz. vol. 200; p. 350.
- Henderson, Emma E., Denver, Colo. Nut-bowl. No. 1,113,990; Oct. 20; Gaz. vol. 207; p. 632.
- Henderson, Ewen C., New Glasgow, Nova Scotia, Canada. Engine. No. 1,094,329; Apr. 21; Gaz. vol. 201; p. 820.
- Henderson, Frank B., Chicago, Ill. Table for instruments and the like. No. 1,113,991; Oct. 20; Gaz. vol. 207; p. 633.
- Henderson, Frank M., and J. A. Pettibon, Alliance, Ohio. Turbine. No. 1,096,368; May 12; Gaz. vol. 202; p. 444.
- Henderson, George A., Mansfield, Tex. Combined educational chart, drawing-board, and writing-desk. No. 1,084,331; Jan. 13; Gaz. vol. 198; p. 387.
- Henderson, George R., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Locomotive. No. 1,100,563; June 16; Gaz. vol. 203; p. 832.
- Henderson, George R., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Radial truck. No. 1,104,667; July 21; Gaz. vol. 204; p. 936.
- Henderson, George W. and O., Ridge Farm, Ill. Corn-harvesting machine. No. 1,103,766; July 14; Gaz. vol. 204; p. 584.
- Henderson, Henry. (See Holmes and Wright, assignors.)
- Henderson, Henry, Halstad, Minn. Draft-rigging. No. 1,105,326; July 28; Gaz. vol. 204; p. 1215.
- Henderson, James C., Oceanpark, assignor to T. Whitaker, Los Angeles, Cal. Bath-cabinet. No. 1,099,904; June 9; Gaz. vol. 203; p. 570.
- Henderson, James E., Birmingham, Ala. Safety device for electric cars. No. 1,094,564; Apr. 28; Gaz. vol. 201; p. 963.
- Henderson, James F., assignor to National Soap Holder Co., Detroit, Mich. Liquid-soap holder. No. 1,110,135; Sept. 8; Gaz. vol. 206; p. 497.
- Henderson, John, Waterbury, Conn. Steam-heated tumbling-barrel. No. 1,099,041; June 2; Gaz. vol. 203; p. 230.
- Henderson, John, and E. R. Tietz, Toledo, Ohio. Bag-opening machine. No. 1,111,899; Sept. 29; Gaz. vol. 206; p. 1233.

Alphabetical list of patentees—Continued.

- Henderson, John C., Washington, D. C. Combined spark-plug and vaporizer for internal-combustion engines. No. 1,099,365; June 9; Gaz. vol. 203; p. 386.
- Henderson, John F. (See Thompson and Henderson.)
- Henderson, Mark M., Norwalk, Conn. Athletic garment. No. 1,107,303; Aug. 18; Gaz. vol. 205; p. 691.
- Henderson, Matthew, assignor to The James Morrison Brass Manufacturing Company, Limited, Toronto, Ontario, Canada. Water-jet lifter. No. 1,102,505; July 7; Gaz. vol. 204; p. 99.
- Henderson, Olen. (See Henderson, George W. and O.)
- Henderson, Robert H., East Orange, N. J., assignor to Westinghouse Lamp Company. Treating incandescent-lamp filaments. No. 1,086,171; Feb. 3; Gaz. vol. 199; p. 210.
- Henderson, Robert H., East Orange, N. J., assignor to Westinghouse Lamp Company. Electrical terminal device. No. 1,118,418; Nov. 24; Gaz. vol. 208; p. 1149.
- Henderson, Robert J., Denison, Iowa. Scissors. No. 1,100,876; June 23; Gaz. vol. 203; p. 994.
- Henderson Rubber Company, The. (See Henderson, Albert H., assignor.)
- Henderson, Samuel, Nekoma, Ill. Stove-grate. No. 1,102,267; July 7; Gaz. vol. 204; p. 16.
- Henderson, Sparks D. (See Davis, Albert N., assignor.)
- Henderson, Thomas A. (See Pearson, James H., assignor.)
- Henderson, Thomas A., Mart, Tex. Evaporative cooler. No. 1,089,837; Mar. 10; Gaz. vol. 200; p. 446.
- Henderson, Thomas W., Fort Madison, Iowa. Speed-controlling mechanism for automobiles. No. 1,112,137; Sept. 29; Gaz. vol. 206; p. 1310.
- Henderson, Ulysses S., assignor to The E. M. Hulse Company, Columbus, Ohio. Sofa or davenport bed. No. 1,111,457; Sept. 22; Gaz. vol. 206; p. 1039.
- Henderson, Wilbert D., San Francisco, Cal. Wire-clamp. No. 1,097,319; May 19; Gaz. vol. 202; p. 816.
- Hendler, Max, Staunton, Ill. Clock-synchronizer. No. 1,103,581; July 14; Gaz. vol. 204; p. 519.
- Hendren, Harry A., Sacramento, Cal. Combined latch and lock. No. 1,086,365; Feb. 10; Gaz. vol. 199; p. 320.
- Hendrick, Piotr, *et al.* (See Siwak, Feliks, assignor.)
- Hendricks, Augustin, Grand Rapids, Mich. Device for supplying fluid to internal-combustion engines. No. 1,121,013; Dec. 15; Gaz. vol. 209; p. 819.
- Hendricks, Martin L., Golden Prairie, Wyo. Extension-step. No. 1,101,437; June 23; Gaz. vol. 203; p. 1188.
- Hendricks, William F. (See Cameron, Hendricks, and Schlueter.)
- Hendrickson, Jacob, Northport, Wash. Permutation-pad-lock. No. 1,101,075; June 23; Gaz. vol. 203; p. 1065.
- Hendrickson, Peter H., Ione, Wash. Wagon steering-gear. No. 1,109,752; Sept. 8; Gaz. vol. 206; p. 357.
- Hendrickson, Robert O., Portland, Oreg., assignor, by mesne assignments, to Wallis Tractor Company, Racine, Wis. Governor-head. No. 1,093,852; Apr. 21; Gaz. vol. 201; p. 664.
- Hendrickson, Robert O., Portland, Oreg., assignor, by mesne assignments, to Wallis Tractor Company, Racine, Wis. Friction-clutch. No. 1,101,280; June 23; Gaz. vol. 203; p. 1134.
- Hendrix, Harry E., Willow Lake, S. D. Nut-lock. No. 1,110,932; Sept. 15; Gaz. vol. 206; p. 816.
- Hendrix, Herbert A., Albert Lea, Minn. Combined churn and butter-worker. No. 1,117,569; Nov. 17; Gaz. vol. 208; p. 812.
- Hendrix, Herbert A., Albert Lea, Minn. Drain for liquid-containing receptacles. No. 1,117,570; Nov. 17; Gaz. vol. 208; p. 812.
- Hendrix, Loyd R., Savannah, Ga. Door-check. No. 1,110,628; Sept. 15; Gaz. vol. 206; p. 710.
- Henebergh, Adolphus P., Kendall, Kans. Underhand header-knife. No. 1,101,076; June 23; Gaz. vol. 203; p. 1065.
- Henebergh, John A., Kansas City, Kans. Combined portfolio and sheet-music turner. No. 1,106,941; Aug. 11; Gaz. vol. 205; p. 518.
- Hengye, Flore, Joliet, Ill. Device for raising sunken vessels. No. 1,115,670; Nov. 3; Gaz. vol. 208; p. 70.
- Heninger, Eles L., H. J. Schrader, and W. L. Norris, Kokomo, Ind. Resilient wheel. No. 1,118,769; Nov. 24; Gaz. vol. 208; p. 1270.
- Henke, August H., Chicago, Ill. Axle-oiler. No. 1,084,433; Jan. 13; Gaz. vol. 198; p. 418.
- Henkel, August, Newark, N. J. Combined nail-file and cuticle-knife. No. 1,113,168; Oct. 6; Gaz. vol. 207; p. 261.
- Henkel & Cie. (See Henkel and Weber, assignors.)
- Henkel & Cie. (See Weber, Walter, assignor.)
- Henkel, Hugo, and W. Weber, assignors to Firm of Henkel & Cie., Dusseldorf, Germany. Manufacture of hydrogen peroxid. No. 1,108,752; Aug. 25; Gaz. vol. 205; p. 1245.
- Henkelman, Charles E., Atlantic City, N. J. Automatic oil indicator and feeder. No. 1,109,417; Sept. 1; Gaz. vol. 206; p. 199.
- Henkels, Max. (See Phillips and Piepenbring, assignors.)
- Henkle, Guy C., assignor to The Hurst Silo Company, Chicago, Ill. Mold for making reinforced-concrete blocks. No. 1,109,753; Sept. 8; Gaz. vol. 206; p. 358.
- Henn, Edwin C. (See Talbert, Charles E., assignor.)
- Henn, William A., Evansville, assignor to M. D. Helfrich, Vanderburgh county, Ind. Integral overflow and waste-valve therefor. No. 1,113,627; Oct. 13; Gaz. vol. 207; p. 466.
- Hennaut, Ferdinand, Westville, Ill. Powder-can spout. No. 1,085,335; Jan. 27; Gaz. vol. 198; p. 791.
- Henneböhle, Frank, Chicago, Ill. Engine. No. 1,086,047; Feb. 3; Gaz. vol. 199; p. 168.
- Hennes, George C., Benton Harbor, Mich. Rake-cleaner. No. 1,093,410; Apr. 14; Gaz. vol. 201; p. 476.
- Hennessee, Claude, Atlanta, Ga. Guano-distributer. No. 1,095,206; May 5; Gaz. vol. 202; p. 11.
- Hennessey, D. Edward. (See Tetlow, Lewis J., assignor.)
- Hennessey, John H., assignor to The John T. Mauran Mfg. Co., Providence, R. I. Elastic-bracelet link. No. 1,092,648; Apr. 7; Gaz. vol. 201; p. 182.
- Hennessy, Patrick W., Joplin, Mo. Check-valve structure. No. 1,120,713; Dec. 15; Gaz. vol. 209; p. 714.
- Hennig, Henry, Paterson, N. J. Dyeing or washing machine. No. 1,115,072; Oct. 27; Gaz. vol. 207; p. 1069.
- Henning, Charles F. (See Birdsey and Henning.)
- Henning, Thomas W., San Angelo, Tex. Windmill. No. 1,115,313; Oct. 27; Gaz. vol. 207; p. 1153.
- Henning, William A., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,095,573; May 5; Gaz. vol. 202; p. 137.
- Henningson, Peter. (See Brunnert, Anton, assignor.)
- Hennkens, George. (See Walters and Hennkens.)
- Henri, Victor. (See Dogny, Henri, and Veil-Picard.)
- Henri, Victor, A. Helbronner, and M. von Recklinghausen, Paris, France, assignors, by mesne assignments, to The R. U. V. Company, Inc. Apparatus for sterilizing liquids by means of ultra-violet rays. No. 1,091,221; Mar. 24; Gaz. vol. 200; p. 998.
- Henri, Victor, A. Helbronner, and M. von Recklinghausen, Paris, France, assignors, by mesne assignments, to The R. U. V. Company, Inc. Apparatus for treating liquids with ultra-violet rays. No. 1,118,006; Nov. 24; Gaz. vol. 208; p. 1005.
- Henrich, Carl, Lincoln county, Ga., assignor to Fluoride Mfg. Co., Farmingdale, N. Y. Composition of matter. No. 1,116,063; Nov. 3; Gaz. vol. 208; p. 204.
- Henrich, Henry, New York, N. Y. Machine for rolling finger-rings. No. 1,094,145; Apr. 21; Gaz. vol. 201; p. 762.
- Henrich, Henry, New York, N. Y. Ring-forming apparatus. No. 1,105,559; July 28; Gaz. vol. 204; p. 1297.
- Henrich, Henry, New York, N. Y. Ring-forming apparatus. No. 1,105,560; July 28; Gaz. vol. 204; p. 1297.
- Henrichsen, August F., Memphis, Tenn. Propeller for boats. No. 1,122,925; Dec. 29; Gaz. vol. 209; p. 1558.
- Henrici, William A. E., assignor, by mesne assignments, to Liberty Trust Company, trustee, Boston, Mass. Reversing mechanism. No. 1,088,660; Feb. 24; Gaz. vol. 199; p. 1206.
- Henrici, William A. E., assignor, by mesne assignments, to Liberty Trust Company, trustee, Boston, Mass. Reversing mechanism. No. 1,107,943; Aug. 18; Gaz. vol. 205; p. 916.
- Henrici, William A. E., assignor to Liberty Trust Company, trustee, Boston, Mass. Combined washing and clothes-drying machine. No. 1,109,630; Sept. 1; Gaz. vol. 206; p. 272.
- Henrickson, Oscar, Pinewood, Fla. Pipe and bolt puller. No. 1,103,767; July 14; Gaz. vol. 204; p. 585.
- Henrikson, Bernhardt, Chicago, Ill. Flue-cutter. No. 1,108,171; Aug. 25; Gaz. vol. 205; p. 1044.
- Henrikson, Emanuel. (See Hanson and Henrikson.)
- Henry, Asa C. (See Carter, John M., assignor.) (Re-issue.)
- Henry, Augustus M., New York, N. Y., assignor, by mesne assignments, to M. C. Baker, Stamford, Conn. Bulletin-board. No. 1,108,989; Sept. 1; Gaz. vol. 206; p. 46.
- Henry, Augustus M., New York, N. Y., assignor, by mesne assignments, to M. C. Baker, Stamford, Conn. Projecting apparatus. No. 1,119,597; Dec. 1; Gaz. vol. 209; p. 240.
- Henry, Charles, Gackle, N. D. Grain-shocker. No. 1,099,176; June 9; Gaz. vol. 203; p. 319.
- Henry Conolly Company. (See Magin, John G., assignor.)
- Henry, Daniel D., Fordville, N. D. Sheaf-loader. No. 1,106,652; Aug. 11; Gaz. vol. 205; p. 418.
- Henry Disston & Sons. (See Disston, Henry, assignor.)
- Henry Disston & Sons. (See Freas, Samuel T., assignor.)
- Henry Disston & Sons. (See Kendall, William R., assignor.)
- Henry Disston & Sons. (See Smith, William, assignor.)
- Henry, Edward W., Cortez, Colo. Automatically-operated flood-water-releasing flume. No. 1,113,341; Oct. 13; Gaz. vol. 207; p. 367.
- Henry, Eugene E. (See Mitchell and Henry.)
- Henry, Eugene E., assignor of one-half to H. S. Gilnett, Astoria, Oreg. Automatic vending and change-making machine. No. 1,084,011; Jan. 13; Gaz. vol. 198; p. 278.
- Henry F. Miller & Sons Piano Company. (See Paulson, Gustaf W. and R., assignors.)

Alphabetical list of patentees—Continued.

- Henry, George E., Philadelphia, Pa. Broom-holder. No. 1,087,291; Feb. 17; Gaz. vol. 199; p. 692.
- Henry, George E., Brooklyn, N. Y. Hanger. No. 1,097,860; May 26; Gaz. vol. 202; p. 1046.
- Henry, George E., Vincennes, Ind. Brake-setting mechanism. No. 1,122,500; Dec. 29; Gaz. vol. 209; p. 1408.
- Henry, George J., Jr., San Francisco, Cal. Adjustable lever and link. No. 1,092,102; Mar. 31; Gaz. vol. 200; p. 1338.
- Henry, George J., Jr., San Francisco, Cal. Diverter for fluid streams. No. 1,114,262; Oct. 20; Gaz. vol. 207; p. 731.
- Henry, George J., Jr., San Francisco, Cal. Method and apparatus for controlling fluid-supply pressures. No. 1,117,671; Nov. 17; Gaz. vol. 208; p. 849.
- Henry, Guilford W., St. Louis, Mo. Folding davenport. No. 1,107,423; Aug. 18; Gaz. vol. 205; p. 735.
- Henry, Jacob, Chicago, Ill. Window-shade adjuster. No. 1,106,870; Aug. 11; Gaz. vol. 205; p. 493.
- Henry, James A. (See Spofford and Henry.)
- Henry, James E. and W. J., Reedsville, Pa. Railway-tie. No. 1,111,306; Sept. 22; Gaz. vol. 206; p. 988.
- Henry, John F., Longdale, assignor of one-half to Brady & Willis, Fairview, Okla. Planting-machine. No. 1,098,667; June 2; Gaz. vol. 203; p. 106.
- Henry, Lawrence W., Buffalo, N. Y. Safety-valve. No. 1,097,095; May 19; Gaz. vol. 202; p. 737.
- Henry Likly & Company. (See Cannan, John J., assignor.)
- Henry Matier & Company Limited. (See McCauley, William R., assignor.)
- Henry, R. D., et al. (See Ramsey, William H., assignor.)
- Henry R. Worthington. (See Brown, John J., assignor.)
- Henry R. Worthington. (See De Laval, Carl G., assignor.)
- Henry R. Worthington. (See Sulzer, Georg, assignor.)
- Henry, Robert, Pueblo, Colo. Collapsible sleeping-booth. No. 1,087,490; Feb. 17; Gaz. vol. 199; p. 761.
- Henry Sonneborn and Company. (See Forman, Joseph, assignor.)
- Henry, William, North Kansas City, Mo. Current-motor. No. 1,109,839; Sept. 8; Gaz. vol. 206; p. 387.
- Henry, William C. A., Columbus, Ohio. Automatic stoker. No. 1,096,106; May 12; Gaz. vol. 202; p. 353.
- Henry, William K. (See Henry, James E. and W. J.)
- Henry, William K., assignor to The American Hardware Corporation, New Britain, Conn. Double-acting door-closer hinge. No. 1,086,325; Feb. 3; Gaz. vol. 199; p. 258.
- Henry, William W., Wollaston, assignor to S. H. Couch Co., Inc., Atlantic, Mass. Annunciator-drop. No. 1,107,610; Aug. 18; Gaz. vol. 205; p. 801.
- Henry Zimmern & Company. (See Robbins, Albert F., assignor.)
- Henschel, Charles, New York, N. Y., assignor to Chas. Cory & Son, Inc. Signaling device. No. 1,090,816; Mar. 17; Gaz. vol. 200; p. 824.
- Henschel, Charles J., et al. (See Bliss, Donald M., assignor.)
- Henschen, John. (See Hill and Henschen.)
- Hensel Aero Stabilizer Company, The. (See Hensel, William F., assignor.)
- Hensel, William F., assignor to The Hensel Aero Stabilizer Company, Chicago, Ill. Stabilizer for aeronautical vehicles. No. 1,112,794; Oct. 6; Gaz. vol. 207; p. 134.
- Hensell, Walter S. (See Stotemyer and Hensell.)
- Hensen, Emil. (See Baker, Hensen, and Mowat.)
- Henshaw, F. R., trustee. (See Jameson, Alexander, assignor.)
- Hensley, Archibald H. (See Heineman and Hensley.)
- Hensley, Eli, Sand Springs, Okla. Automobile boat. No. 1,100,238; Jan. 16; Gaz. vol. 203; p. 722.
- Hensley, Noble S., Harlan, assignor of one-half to C. E. Ball, Harlan county, Ky. Safety-stirrup. No. 1,122,275; Dec. 29; Gaz. vol. 209; p. 1334.
- Hensley, Theodore H., St. Albans, W. Va. Safety wheel-clamp. No. 1,097,431; May 19; Gaz. vol. 202; p. 853.
- Henson, Abraham L., Fort Collins, Colo. Flying-machine. No. 1,104,045; July 21; Gaz. vol. 204; p. 721.
- Henson, Oscar. (See Barton and Henson.)
- Henson, William P. (See Alge, Webb, and Henson.)
- Hentschel, Andrew J., Schulenburg, Tex. Bridle and bit. No. 1,092,214; Apr. 7; Gaz. vol. 201; p. 31.
- Hentschel, Andrew J., Schulenburg, Tex. Animal-hopple. No. 1,098,624; June 2; Gaz. vol. 203; p. 92.
- Henze, Paul, Kamsack, Saskatchewan, Canada. Broom-holder. No. 1,089,702; Mar. 10; Gaz. vol. 200; p. 400.
- Hepding, Frederick P. (See Baker and Hepding.)
- Hepfinger, William, Lancaster, Nebr. Heel-plate. No. 1,095,325; May 5; Gaz. vol. 202; p. 52.
- Hepner, Irvin F., Narberth, assignor to J. S. and W. P. Worth, Coatesville, Pa. Gas-valve. No. 1,097,432; May 19; Gaz. vol. 202; p. 853.
- Hepner, Harry G., assignor of one-half to G. F. Benz, South Bend, Ind. Box-lid fastening. No. 1,098,382; June 2; Gaz. vol. 203; p. 9.
- Hepner, Roy L. (See Santmyers and Hepner.)
- Hepner, Walter R., Kalispell, Mont., assignor of one-half to C. M. Dodson, Mount Jackson, Va. Hub construction. No. 1,088,575; Feb. 24; Gaz. vol. 199; p. 1177.
- Heraeus, Gesellschaft mit beschränkter Haftung, W. C. (See Girard, Fritz, assignor.)
- Herbeck, Frank, Athol, Mass. Fire-alarm. No. 1,108,753; Aug. 25; Gaz. vol. 205; p. 1245.
- Herber, Samuel M., Inza, Mo. Oil distillation. No. 1,111,580; Sept. 22; Gaz. vol. 206; p. 1083.
- Herbert, Arthur W., assignor to The General Fireproofing Company, Youngstown, Ohio. Fastening device for ribbed expanded-metal products. No. 1,095,396; May 5; Gaz. vol. 202; p. 75.
- Herbert, Arthur W., assignor to The General Fireproofing Company, Youngstown, Ohio. Adjustable ceiling-hanger. No. 1,096,806; May 12; Gaz. vol. 202; p. 591.
- Herbig, Thomas, Hornbrook, Cal. Starting device for explosive-engines. No. 1,096,716; May 12; Gaz. vol. 202; p. 559.
- Herbst, William H., Dedham, Mass. Means for cleaning and turning bags. No. 1,104,668; July 21; Gaz. vol. 204; p. 937.
- Herbst, William J., New Orleans, La. Mail-bag catcher. No. 1,117,380; Nov. 17; Gaz. vol. 208; p. 747.
- Hercules Gas Engine Company. (See Martin, Thomas A., assignor.)
- Hercules Powder Company. (See Talley, Herbert, assignor.)
- Hercules Tire Company. (See Dunn, Leslie, assignor.)
- Hereth, Frank S., New York, N. Y., assignor to E. R. Squibb & Sons. Hermetic seal for receptacles. No. 1,100,432; June 16; Gaz. vol. 203; p. 790.
- Hergesheimer, John, Glenside, Pa. Call system. No. 1,093,132; Apr. 14; Gaz. vol. 201; p. 381.
- Hering, Carl, Philadelphia, Pa. Electric-furnace process and electric furnace. No. 1,105,656; Aug. 4; Gaz. vol. 205; p. 25.
- Hering, Carl, Philadelphia, Pa. Electrode for furnaces. No. 1,106,381; Aug. 11; Gaz. vol. 205; p. 319.
- Hering, Johann, Tisza-Igar, Austria-Hungary. Machine for the cultivation of land. No. 1,120,487; Dec. 8; Gaz. vol. 209; p. 587.
- Hering, Louis F., assignor of one-half to A. Konjetzky, Pomona, Cal. Projectile. No. 1,110,933; Sept. 15; Gaz. vol. 206; p. 816.
- Herington, Walter L., Fresno, Cal. Machine for pulling beets. No. 1,098,350; May 26; Gaz. vol. 202; p. 1219.
- Herkens, Herken H., Gilman, Ill. Rivet. No. 1,092,362; Apr. 7; Gaz. vol. 201; p. 82.
- Herkst, Ernst, Kiel-Hassée, assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Valve control. No. 1,121,245; Dec. 15; Gaz. vol. 209; p. 900.
- Herle, Frank, Chicago, Ill. Washing-machine. No. 1,099,702; June 9; Gaz. vol. 203; p. 502.
- Herle, Frank, Chicago, Ill. Boiler-tube cleaner. No. 1,104,262; July 21; Gaz. vol. 204; p. 795.
- Herlihy, James, San Francisco, Cal. Life-saving garment. No. 1,087,491; Feb. 17; Gaz. vol. 199; p. 762.
- Herlihy, John E. (See Ovington and Herlihy.)
- Herman, Bernadette M. (See Herman, Joseph F., assignor.)
- Herman, Clifton E., assignor of one-half to S. C. Munson, Columbus, Ohio. Metal tread for block-tires. No. 1,090,851; Mar. 24; Gaz. vol. 200; p. 868.
- Herman, Francis A., Slatington, Pa. Attachment for pen-holders. No. 1,093,133; Apr. 14; Gaz. vol. 201; p. 382.
- Herman, Frank J., Toledo, Ohio. Purifying system for mausoleums. No. 1,119,957; Dec. 8; Gaz. vol. 209; p. 399.
- Herman, Jacob E., et al. (See Kuhn, Charles M., assignor.)
- Herman, Jacob W. (See Hyle and Herman.)
- Herman, Jessie E., et al. (See Reynolds, Henry B., assignor.)
- Herman, John F., Bridgeport, Conn. Reamer. No. 1,107,304; Aug. 18; Gaz. vol. 205; p. 691.
- Herman, Joseph. (See Rosen and Herman.)
- Herman, Joseph F., assignor to B. M. Herman, Washington, D. C. Overshoe for horses. No. 1,096,912; May 19; Gaz. vol. 202; p. 671.
- Herman Pneumatic Machine Company. (See Ringle, Robert F., assignor.)
- Herman, Reinhold, Crafton, Pa. Automatic switch and locking device for lever control of steering-posts. No. 1,093,622; Apr. 21; Gaz. vol. 201; p. 586.
- Herman, Reinhold, Crafton, Pa. Blue-printing apparatus. No. 1,093,623; Apr. 21; Gaz. vol. 201; p. 587.
- Herman Wile & Co. (See Rethorn, Edward C., assignor.)
- Hernance Machine Company. (See Nelson, Arthur W., assignor.)
- Hermand, Lucien, Rouen, France. Shutter mechanism for kinetoscopes or cinematographic apparatus. No. 1,115,196; Oct. 27; Gaz. vol. 207; p. 1113.
- Hermann, Adalbert, Vienna, Austria-Hungary. Device for removing water from layers of artificial-stone pulp. No. 1,083,279; Jan. 6; Gaz. vol. 198; p. 6.
- Hermann, Aukam & Co. (See Leatham, James, assignor.)
- Hermann, Carl, Chicago, Ill. Soldering-iron attachment. No. 1,083,363; Jan. 6; Gaz. vol. 198; p. 34.
- Hermann, Caspar, Leipzig-Gross-Zschocher, assignor of one-half to G. Richter, Leipzig, Germany. Rotary printing-machine. No. 1,091,841; Mar. 31; Gaz. vol. 200; p. 1252.

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- Hermann, Charles A., Milwaukee, Wis. Package-receptacle. No. 1,112,449; Oct. 6; Gaz. vol. 207; p. 12.
- Hermann, Gustavus H., Minneapolis, Minn. Air-moistening device for furnaces or the like. No. 1,119,598; Dec. 1; Gaz. vol. 209; p. 241.
- Hermann, Martin, Callicoon, N. Y. Silo. No. 1,118,857; Nov. 24; Gaz. vol. 208; p. 1300.
- Hermann, Otto E., and E. C. De Witt, Chicago, Ill. Tablet-packaging machine. No. 1,095,277; May 5; Gaz. vol. 202; p. 35.
- Hermanowitz, Julius, Philadelphia, Pa. Calipers or dividers. No. 1,104,890; July 28; Gaz. vol. 204; p. 1062.
- Hermansen, Hans, Ringsted, and G. A. Kofoed, Rønne, Denmark. Machine for producing interlocking tiles of cement. No. 1,118,281; Nov. 24; Gaz. vol. 208; p. 1100.
- Hermens, William A., Forest Grove, Oreg. Machine for sowing land-plaster. No. 1,103,768; July 14; Gaz. vol. 204; p. 585.
- Herminghuysen, Christian, Van Wert, Ohio. Resilient tire. No. 1,087,013; Feb. 10; Gaz. vol. 199; p. 543.
- Hermon E. Dunham Motor Company, The. (See Dunham, Hermon E., assignor.)
- Hermsdorf, Max, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Breech-closure. No. 1,098,261; May 26; Gaz. vol. 202; p. 1187.
- Hermsdorf, Max, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Gun wedge breech-closure. No. 1,108,754; Aug. 25; Gaz. vol. 205; p. 1245.
- Herndon, Calaway, Wagoner, Okla. Rail-joint. No. 1,103,964; July 21; Gaz. vol. 204; p. 694.
- Herndon, D. C., *et al.* (See Tucker, Junius E., assignor.)
- Herold, Edmund, Brooklyn, N. Y. Automobile-clock. No. 1,107,068; Aug. 11; Gaz. vol. 205; p. 559.
- Herold, Harry G., Hasbrouck Heights, N. J., assignor to The Meyrowitz Manufacturing Co. Trial-frame for optical testing purposes. No. 1,096,169; May 12; Gaz. vol. 202; p. 374.
- Herold, Walter W. (See Darr, Henry W., assignor.)
- Heron, Robert P., Utica, N. Y. Caster. No. 1,099,046; June 2; Gaz. vol. 203; p. 231.
- Heron, Robert P., and E. Sabo, Syracuse, N. Y. Caster. No. 1,099,042; June 2; Gaz. vol. 203; p. 230.
- Heron, Robert P., and E. Sabo, Syracuse, N. Y. Caster. No. 1,099,043; June 2; Gaz. vol. 203; p. 230.
- Heron, Robert P., and E. Sabo, Syracuse, N. Y. Caster. No. 1,099,044; June 2; Gaz. vol. 203; p. 231.
- Heron, Robert P., and E. Sabo, Syracuse, N. Y. Caster. No. 1,099,045; June 2; Gaz. vol. 203; p. 231.
- Héroult, Paul L. T., New York, assignor to Electrode Company of America, Niagara Falls, N. Y. Apparatus for graphitizing carbon. No. 1,084,274; Jan. 13; Gaz. vol. 198; p. 367.
- Héroux, Edmond, assignor to C. A. Milette, Montreal, Quebec, Canada. Window. No. 1,085,682; Feb. 3; Gaz. vol. 199; p. 37.
- Héroux, Edmond, assignor to C. A. Milette, Montreal, Quebec, Canada. Window. No. 1,085,683; Feb. 3; Gaz. vol. 199; p. 37.
- Héroux, Edmond, assignor to C. A. Milette, Montreal, Quebec, Canada. Window. No. 1,087,014; Feb. 10; Gaz. vol. 199; p. 543.
- Herpolsheimer, Rudolph F., Chicago, Ill. Liquid-clutch. No. 1,107,944; Aug. 18; Gaz. vol. 205; p. 916.
- Herr, Adam, Sheboygan Falls, Wis. Means for distributing hay in barns. No. 1,096,240; May 12; Gaz. vol. 202; p. 399.
- Herr, Edward, Butler, S. D. Feed-mill governor. No. 1,088,576; Feb. 24; Gaz. vol. 199; p. 1178.
- Herr, Frederick, New York, N. Y. Hat-brim press. No. 1,093,411; Apr. 14; Gaz. vol. 201; p. 477.
- Herr Engine Company, The. (See Morton, Samuel S., assignor.)
- Herr, Herbert C., Dallas, Tex. Automatic hose-coupling. No. 1,118,129; Nov. 24; Gaz. vol. 208; p. 1048.
- Herr, Herbert T., Denver, Colo. Internal-combustion engine. No. 1,097,021; May 19; Gaz. vol. 202; p. 708.
- Herr, William, Holly Springs, Miss. Mechanism for locking car-doors. No. 1,120,196; Dec. 8; Gaz. vol. 209; p. 483.
- Herre, Alfred. (See Bauer, Herre, and Mayer.)
- Herreshoff, James B., Jr., assignor to Nichols Copper Co., New York, N. Y. Bessemerizing copper matte. No. 1,103,925; July 14; Gaz. vol. 204; p. 639.
- Herreshoff, John B. F., assignor, by mesne assignments, to Nichols Copper Co., New York, N. Y. Roasting-furnace. No. 1,085,419; Jan. 27; Gaz. vol. 198; p. 820.
- Herreshoff, John B. F., assignor to General Chemical Company, New York, N. Y. Separating moisture from burner-gases. No. 1,113,437; Oct. 13; Gaz. vol. 207; p. 402.
- Herrguth, Frank P., San Francisco, Cal., assignor to Universal Wireless Telephone and Telegraph Company. Transmitting of vocal and other sounds. No. 1,086,530; Feb. 10; Gaz. vol. 199; p. 377.
- Herrick Aiken Company. (See Ramsey, James C., Jr., assignor.)
- Herrick, Albert B., Ridgewood, N. J. Calculating apparatus. No. 1,087,445; Feb. 17; Gaz. vol. 199; p. 747.
- Herrick, Albert B., New York, N. Y., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Electrode for welding. No. 1,106,347; Aug. 4; Gaz. vol. 205; p. 262.
- Herrick, Albert B., New York, N. Y., assignor to M. C. Messler, Pawtucket, R. I. Igniter. No. 1,112,795; Oct. 6; Gaz. vol. 207; p. 135.
- Herrick, James A., New York, N. Y. Gas-producer. No. 1,100,074; June 16; Gaz. vol. 203; p. 665.
- Herrick, James A., New York, N. Y. Gas-producer. No. 1,100,075; June 16; Gaz. vol. 203; p. 666.
- Herrick, James A., Newark, N. J. Gas-producer apparatus. No. 1,112,534; Oct. 6; Gaz. vol. 207; p. 43.
- Herrick, James A., Newark, N. J. Charging device for gas-producers. No. 1,119,280; Dec. 1; Gaz. vol. 209; p. 130.
- Herrick, William J. (See La Batt, Homer C., assignor.)
- Herrin, Bervin E., Ahlso, Okla. Extension car-step. No. 1,109,224; Sept. 1; Gaz. vol. 206; p. 131.
- Herrin, W. T., *et al.* (See Walker, James M., assignor.)
- Herring, Charles M., Fort Worth, Tex. Rotary razor-sharpening machine. No. 1,087,536; Feb. 17; Gaz. vol. 199; p. 777.
- Herring, Frank D., Lindale, Ga., assignor to Draper Company, Hopedale, Mass. Filling-positioning device for looms. No. 1,123,192; Dec. 29; Gaz. vol. 209; p. 1654.
- Herring, Henry H., Atascosa, Tex. Animal-trap. No. 1,088,988; Mar. 3; Gaz. vol. 200; p. 108.
- Herring, William B., Scanlon, La. Condiment-holder. No. 1,097,717; May 26; Gaz. vol. 202; p. 996.
- Herriot, William. (See Davison, Herriot, Spidy, and Mattson.)
- Herrmann, Artur, Leipzig-Gohlis, Germany. Electrolytic apparatus. No. 1,115,671; Nov. 3; Gaz. vol. 208; p. 70.
- Herrmann, Carl B., Halensee, near Berlin, Germany. Multiple letter for advertising-boards, skylights, and the like. No. 1,091,335; Mar. 24; Gaz. vol. 200; p. 1031.
- Herrmann, Ernst W. F., San Antonio, Tex. Biplane. No. 1,105,429; July 28; Gaz. vol. 204; p. 1252.
- Herrmann, Robert, New York, N. Y. Tourist folding hat. No. 1,103,876; July 14; Gaz. vol. 204; p. 622.
- Herold, Charles D., San Jose, Cal. Oscillator for wireless transmission. No. 1,096,717; May 12; Gaz. vol. 202; p. 559.
- Herold, Charles D., San Jose, Cal. Magnetic lift for electrodes in electric oscillators. No. 1,120,306; Dec. 8; Gaz. vol. 209; p. 522.
- Herold, George D., Fresno, Cal. Burning of brick. No. 1,098,625; June 2; Gaz. vol. 203; p. 92.
- Hersee, Frederick C., Boston, Mass. Wheel-puller. No. 1,121,101; Dec. 15; Gaz. vol. 209; p. 851.
- Hersey, George W., Loggieville, New Brunswick, Canada. Car-step. No. 1,090,534; Mar. 17; Gaz. vol. 200; p. 731.
- Hershey, Eusebius E., Philadelphia, Pa. Dish cleaner and drier. No. 1,105,561; July 28; Gaz. vol. 204; p. 1297.
- Hershey, George S., Spokane, Wash. Reed-clamp for musical instruments. No. 1,085,684; Feb. 3; Gaz. vol. 199; p. 37.
- Hershey, Jacob R., assignor to Electric Service Supplies Company, Philadelphia, Pa. Apparatus for forming characters. No. 1,085,336; Jan. 27; Gaz. vol. 198; p. 791.
- Hershey, Jacob R., assignor to Electric Service Supplies Company, Philadelphia, Pa. Forming characters. No. 1,109,332; Sept. 1; Gaz. vol. 206; p. 169.
- Hershey, Samuel M., Newark, N. J. Combined knife and shears grinder. No. 1,097,226; May 19; Gaz. vol. 202; p. 783.
- Hershey, William B. C., assignor to The Excelsior Seat Company, Columbus, Ohio. Vehicle-door. No. 1,113,214; Oct. 13; Gaz. vol. 207; p. 321.
- Herskovitz, Abraham, Chicago, Ill. Attachment for the switches of electric lamps. No. 1,100,300; June 16; Gaz. vol. 203; p. 744.
- Herskovitz, Abraham, Chicago, Ill. Incandescent mantle. No. 1,107,518; Aug. 18; Gaz. vol. 205; p. 768.
- Herskovitz, Max, Chicago, Ill. Swivel arrangement for electric terminal plugs. No. 1,121,625; Dec. 22; Gaz. vol. 209; p. 1068.
- Herskovitz, William, Chicago, Ill. Switch mechanism. No. 1,089,051; Mar. 3; Gaz. vol. 200; p. 129.
- Hertel, Hermann, Gera R. J. L.-Debschwitz, Germany. Device for threading needles. No. 1,090,916; Mar. 24; Gaz. vol. 200; p. 890.
- Herther, August A., Indianapolis, Ind. Mail-bag catcher and deliverer. No. 1,093,624; Apr. 21; Gaz. vol. 201; p. 587.
- Hertle, Henry, Tipton, Ind. Feeding and watering trough. No. 1,095,862; May 5; Gaz. vol. 202; p. 234.
- Herty Turpentine Co. (See Krager, Charles L., assignor.)
- Hertz, Herman, New York, N. Y. Storm-sleeve. No. 1,092,047; Mar. 31; Gaz. vol. 200; p. 1318.
- Hertzler, Levi, Carlisle, Pa. Combined car fender and guard. No. 1,094,652; Apr. 28; Gaz. vol. 201; p. 995.
- Hertzog, Thomas H. (See Hughes and Hertzog.)
- Herweg, Aloys J., Chicago, Ill. Rowing-gear. No. 1,086,172; Feb. 3; Gaz. vol. 199; p. 210.

Alphabetical list of patentees—Continued.

- Heryford, Isaac W., Branson, Mo. Combined screen and storm door structure. No. 1,100,564; June 16; Gaz. vol. 203; p. 833.
- Herz, Adolf, Vienna, Austria-Hungary. Shock-absorber. No. 1,114,691; Oct. 20; Gaz. vol. 207; p. 879.
- Herz, Felix. (See Sheldon, Thomas H., assignor.)
- Herz, Richard, Frankfort-on-the-Main, Germany, assignor to Cassella Color Company. Red vat dyestuffs and making same. No. 1,103,004; July 7; Gaz. vol. 204; p. 271.
- Herz, Richard, Frankfort-on-the-Main, Germany, assignor to Cassella Color Company. Producing fast dyeings on the fiber. No. 1,107,164; Aug. 11; Gaz. vol. 205; p. 595.
- Herz, Richard, Frankfort-on-the-Main, and W. Frohneberg, Fechenheim, Germany, assignors to Cassella Color Company. Fast yellow sulfid dyestuffs. No. 1,100,877; June 23; Gaz. vol. 203; p. 994.
- Herzberg, Ernest A. and G. H., Seattle, Wash. Floor structure. No. 1,085,862; Feb. 3; Gaz. vol. 199; p. 101.
- Herzberg, George H. (See Herzberg, Ernest A. and G. H.)
- Herzberg, Nachman, New York, N. Y. Dress-article protector. No. 1,083,491; Jan. 6; Gaz. vol. 198; p. 77.
- Herzberg, Wilhelm. (See Scharfenberg and Herzberg.)
- Herzig, Adolph F., East St. Louis, Ill. Ore-roasting furnace. No. 1,108,906; Sept. 1; Gaz. vol. 206; p. 16.
- Herzmark, Nicolas, Paris, France. Power-transmitting device. No. 1,100,482; June 16; Gaz. vol. 203; p. 806.
- Herzog, David. (See Smith, Harvey M., assignor.)
- Herzogenrather Spiegelglas- und Spiegel-Fabrik Bicheroux, Lambotte & Cie., Gesellschaft mit beschränkter Haftung. (See Bicheroux, Max, assignor.)
- Hesketh, Joseph, Portsmouth, Va. Boring-tool. No. 1,099,500; June 9; Gaz. vol. 203; p. 430.
- Hesla, Syvert A., Butler, Minn. Support. No. 1,109,987; Sept. 8; Gaz. vol. 206; p. 441.
- Heslewood, William R., assignor, by mesne assignments, to South Fork Smelting Company, Oakland, Cal. Fume-condensing apparatus. (Reissue.) No. 13,684; Feb. 10; Gaz. vol. 199; p. 570.
- Heslewood, William R., assignor to Hydro Vacuum Smelting Co., Oakland, Cal. Combined roasting and smelting furnace. No. 1,121,559; Dec. 15; Gaz. vol. 209; p. 1009.
- Heslop, William, Johnstown, Pa. Artificial-stone composition. No. 1,105,905; Aug. 4; Gaz. vol. 205; p. 111.
- Hespe, Frederick F. (See Larsen, Magnus, assignor.)
- Hess, Albert, Friedberg, Hesse, Germany. Folding box. No. 1,093,412; Apr. 14; Gaz. vol. 201; p. 477.
- Hess-Bright Manufacturing Company, The. (See Hess, Henry, assignor.)
- Hess-Bright Manufacturing Company, The. (See Rogers, Robert F., assignor.)
- Hess, Charles B., assignor to Standard Roller Bearing Company, Philadelphia, Pa. Grinding-machine. No. 1,085,863; Feb. 3; Gaz. vol. 199; p. 101.
- Hess, David E. (See Ehrstine and Hess.)
- Hess Dustless Mining Machine Company. (See Hess, Louis F., assignor.)
- Hess, Edward B., assignor, by mesne assignments, to Royal Typewriter Company, Inc., New York, N. Y. Writing-machine. No. 1,085,382; Jan. 27; Gaz. vol. 198; p. 808.
- Hess, Edward B., assignor, by mesne assignments, to Royal Typewriter Company, Inc., New York, N. Y. Writing-machine. No. 1,094,146; Apr. 21; Gaz. vol. 201; p. 762.
- Hess, Edward B., assignor, by mesne assignments, to Royal Typewriter Company, Inc., New York, N. Y. Writing-machine. No. 1,100,301; June 16; Gaz. vol. 203; p. 745.
- Hess, Edward B., assignor, by mesne assignments, to Royal Typewriter Company, Inc., New York, N. Y. Type-writing machine. No. 1,100,733; June 23; Gaz. vol. 203; p. 945.
- Hess, Edward B., assignor, by mesne assignments, to Royal Typewriter Company, Inc., New York, N. Y. Writing-machine. No. 1,101,544; June 30; Gaz. vol. 203; p. 1276.
- Hess, Edward B., Brooklyn, assignor, by mesne assignments, to Royal Typewriter Company, Inc., New York, N. Y. Type-writing machine. No. 1,105,657; Aug. 4; Gaz. vol. 205; p. 25.
- Hess, Edward B., New York, and L. C. Myers, Brooklyn, assignors, by mesne assignments, to Royal Typewriter Company, Inc., New York, N. Y. Type-writing machine. No. 1,084,547; Jan. 13; Gaz. vol. 198; p. 455.
- Hess, Ernest. (See Morin, Hamon, and Hess.)
- Hess, George H., La Grange Park, Ill. Washing-machine. No. 1,084,275; Jan. 13; Gaz. vol. 198; p. 368.
- Hess, Harry W., New York, N. Y. Sound-box for talking-machines. No. 1,118,345; Nov. 24; Gaz. vol. 208; p. 1123.
- Hess, Henry, Philadelphia, Pa. Gear-wheel. No. 1,085,420; Jan. 27; Gaz. vol. 198; p. 820.
- Hess, Henry, Philadelphia, Pa. Method of and apparatus for tempering iron and steel articles. No. 1,103,358; July 14; Gaz. vol. 204; p. 442.
- Hess, Henry, Wawa, Pa. Driving-belt. No. 1,113,438; Oct. 13; Gaz. vol. 207; p. 402.
- Hess, Henry, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Journal-bearing. No. 1,095,863; May 5; Gaz. vol. 202; p. 234.
- Hess, Henry, Philadelphia, Pa., assignor to The Hess-Bright Manufacturing Company. Antifriction-bearing. No. 1,116,887; Nov. 10; Gaz. vol. 208; p. 534.
- Hess, Henry, Wawa, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Roller-bearing. No. 1,096,530; May 12; Gaz. vol. 202; p. 498.
- Hess, Henry, Wawa, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Cage for antifriction-bearings. No. 1,096,531; May 12; Gaz. vol. 202; p. 498.
- Hess, Henry, Wawa, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Machine for measuring friction. No. 1,117,187; Nov. 17; Gaz. vol. 208; p. 678.
- Hess, Henry, Wawa, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Antifriction-bearing. No. 1,122,596; Dec. 29; Gaz. vol. 209; p. 1442.
- Hess, Henry H., and J. F. Parker, assignors to P. P. Locking Improved Automatic Passenger Fare Registering Co., Mobile, Ala. Apparatus for printing and delivering transfer-slips. No. 1,097,628; May 26; Gaz. vol. 202; p. 964.
- Hess, Henry H., and J. F. Parker, assignors to P. P. Locking Improved Automatic Passenger Fare Registering Company, Mobile, Ala. Apparatus for printing and delivering transfer-slips. No. 1,113,783; Oct. 13; Gaz. vol. 207; p. 521.
- Hess, Joseph J., New Hampton, Iowa. Pump. No. 1,111,068; Sept. 22; Gaz. vol. 206; p. 906.
- Hess, Louis F., assignor to Hess Dustless Mining Machine Company, Ansted, W. Va. Cutter-head. No. 1,109,988; Sept. 8; Gaz. vol. 206; p. 442.
- Hess, Ludwig, New York, N. Y. Producing printed music-sheets. No. 1,112,450; Oct. 6; Gaz. vol. 207; p. 12.
- Hess, Meyer S., Baltimore, Md., assignor to United Shoe Machinery Company, Paterson, N. J. Boot and shoe. No. 1,114,352; Oct. 20; Gaz. vol. 207; p. 761.
- Hess, Samuel S., Jewett, Ohio. Grain-scouring device. No. 1,089,052; Mar. 3; Gaz. vol. 200; p. 129.
- Hess, Wendell, Jr., Troy, N. Y., assignor to W. & L. E. Gurley. Recorder. No. 1,105,906; Aug. 4; Gaz. vol. 205; p. 111.
- Hessberger, Johannes. (See Schönherr and Hessberger.)
- Hesse, Herman, Easton, Pa. Fire and burglar alarm. No. 1,107,945; Aug. 18; Gaz. vol. 205; p. 917.
- Hesselman, Knut J. E., Stockholm, Sweden. Cylinder-head for internal-combustion engines. No. 1,107,946; Aug. 18; Gaz. vol. 205; p. 917.
- Hesselman, Knut J. E., Saltsjö-Storängen, Stockholm, Sweden. Vaporizer for internal-combustion engines. No. 1,117,845; Nov. 17; Gaz. vol. 208; p. 910.
- Hesser Maschinenfabrik Aktiengesellschaft, Fr. (See Hesser, Otto, assignor.)
- Hesser, Otto, Cannstatt, near Stuttgart, Germany. Machine for enwrapping pieces of fatty materials. No. 1,117,188; Nov. 17; Gaz. vol. 208; p. 678.
- Hesser, Otto, assignor to Fr. Hesser Maschinenfabrik Aktiengesellschaft, Cannstatt, near Stuttgart, Germany. Packing-machine. No. 1,106,303; Aug. 4; Gaz. vol. 205; p. 246.
- Hesser, Otto, assignor to Fr. Hesser Maschinenfabrik Aktiengesellschaft, Cannstatt, near Stuttgart, Germany. Machine for charging and closing paper bags. No. 1,106,304; Aug. 4; Gaz. vol. 205; p. 247.
- Hesser, Otto, assignor to Fr. Hesser Maschinenfabrik Aktiengesellschaft, Cannstatt, Germany. Machine for closing up parcels. No. 1,106,305; Aug. 4; Gaz. vol. 205; p. 247.
- Hestand, Hardy. (See Green and Hestand.)
- Hester, George C., Chicago, Ill. Ventilated-store-front construction. No. 1,083,830; Jan. 6; Gaz. vol. 198; p. 187.
- Hester, George C., Portland, Oreg. Sash-bar. No. 1,090,303; Mar. 17; Gaz. vol. 200; p. 650.
- Hester, William J., Portland, Oreg. Window-lift. No. 1,102,506; July 7; Gaz. vol. 204; p. 99.
- Heston, Albert L. (See Hope, Erwin T., assignor.)
- Hetherington, Carl F., Indianapolis, Ind. Clutch. No. 1,106,563; Aug. 11; Gaz. vol. 205; p. 386.
- Hetherington, Henry A. (See Ricardo and Hetherington.)
- Hetherington, John, assignor of one-half to D. R. Jones, Benton Harbor, Mich. Faucet. No. 1,091,135; Mar. 24; Gaz. vol. 200; p. 968.
- Hethey, Axel, London, England. Refining steel. No. 1,089,410; Mar. 10; Gaz. vol. 200; p. 298.
- Hettinger, Charles F., assignor to Flexitall Gasket Company, Camden, N. J. Gasket. No. 1,089,134; Mar. 3; Gaz. vol. 200; p. 160.
- Hettinger, Jennie S., Camden, N. J. Packing. No. 1,100,182; June 16; Gaz. vol. 203; p. 703.
- Hettmansperger, Cornelious C., Huntington, Ind. Railway-tie. No. 1,101,436; June 23; Gaz. vol. 203; p. 1187.
- Hetzel, George C. (See Corson, Chalon E., assignor.)
- Heuerman, Henry H., and H. Huntzman, Hillsboro, Oreg. Wrench. No. 1,097,096; May 19; Gaz. vol. 202; p. 737.
- Heuschkel, Max. (See Weiss, Bürker, and Heuschkel.)

Alphabetical list of patentees—Continued.

- Heuschkel, Otto E., Victoria Docks, England. Manufacture of artificial marble. No. 1,094,366; Apr. 21; Gaz. vol. 201; p. 832.
- Heuser, Frederick O., Chicago, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Wage and job accounting system. No. 1,084,632; Jan. 20; Gaz. vol. 198; p. 513.
- Heuser, Frederick O., Chicago, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Actuating mechanism for accounting registers. No. 1,084,633; Jan. 20; Gaz. vol. 198; p. 514.
- Heuser, Frederick O., Chicago, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Two-way-register-actuating mechanism. No. 1,084,634; Jan. 20; Gaz. vol. 198; p. 514.
- Heuser, Herman, Chattanooga, Tenn. Brewing. No. 1,099,746; June 9; Gaz. vol. 203; p. 515.
- Heuser, Leonard, New York, N. Y. Safety-razor. No. 1,092,363; Apr. 7; Gaz. vol. 201; p. 83.
- Heusser, Julius, Monroe, Wis. Hay-fork. No. 1,103,287; July 14; Gaz. vol. 204; p. 418.
- Heusser, Wilfrid, Salt Lake City, Utah. Balance. No. 1,103,513; July 14; Gaz. vol. 204; p. 493.
- Heusser, Wilfrid, Salt Lake City, Utah. Base for assay-balances and the like. No. 1,104,891; July 28; Gaz. vol. 204; p. 1063.
- Heusser, Wilfrid, Salt Lake City, Utah. Balance. No. 1,104,892; July 28; Gaz. vol. 204; p. 1063.
- Hewitt, Herman S. (See Work, William, assignor.)
- Hewitt, John E., Wilmington, N. C. Broom. No. 1,112,906; Oct. 6; Gaz. vol. 207; p. 173.
- Hewitt, Albertis. (See Owen and Hewitt.)
- Hewitt, Charles B. (See Zackey, William W., assignor.)
- Hewitt, Edward R., Ringwood, N. J. Automobile. No. 1,101,697; June 30; Gaz. vol. 203; p. 1329.
- Hewitt, Edward R., Ringwood, N. J. Piston. No. 1,115,535; Nov. 3; Gaz. vol. 208; p. 23.
- Hewitt, Edward R., Ringwood, N. J., assignor to Hewitt Motor Company, New York, N. Y. Tire. No. 1,110,541; Sept. 15; Gaz. vol. 206; p. 678.
- Hewitt, Edward R., Ringwood, N. J., assignor to Hewitt Motor Company, New York, N. Y. Controlling mechanism. No. 1,110,542; Sept. 15; Gaz. vol. 206; p. 678.
- Hewitt, Edward R., and A. F. Masury, assignors to Hewitt Motor Company, New York, N. Y. Gearing. No. 1,119,958; Dec. 8; Gaz. vol. 209; p. 399.
- Hewitt, Guy H., Plainfield, N. J. Heating apparatus for fireless cookers. No. 1,120,488; Dec. 8; Gaz. vol. 209; p. 588.
- Hewitt, Herbert H., Buffalo, N. Y. Car-axle journal-box. No. 1,098,500; June 2; Gaz. vol. 203; p. 50.
- Hewitt, John C. (See Bowman and Hewitt.)
- Hewitt Motor Company. (See Hewitt, Edward R., assignor.)
- Hewitt Motor Company. (See Hewitt and Masury, assignors.)
- Hewitt, Peter C., New York, N. Y. Apparatus and method relating to high-speed motor-craft. No. 1,084,578; Jan. 13; Gaz. vol. 198; p. 467.
- Hewitt, Peter C., New York, N. Y. Apparatus for traversing water or other fluid mediums. No. 1,088,226; Feb. 24; Gaz. vol. 199; p. 1063.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electrical production of light. No. 1,091,222; Mar. 24; Gaz. vol. 200; p. 998.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Apparatus for operating vapor-converters. No. 1,091,223; Mar. 24; Gaz. vol. 200; p. 998.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electrical transmission. No. 1,097,320; May 19; Gaz. vol. 202; p. 816.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Single-phase-directional-current arrester. No. 1,097,321; May 19; Gaz. vol. 202; p. 816.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Directional-current arrester. No. 1,097,547; May 19; Gaz. vol. 202; p. 892.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Starting and controlling device for electric vapor apparatus. No. 1,110,543; Sept. 15; Gaz. vol. 206; p. 678.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electrode for vapor apparatus. No. 1,110,544; Sept. 15; Gaz. vol. 206; p. 679.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Co., Hoboken, N. J. Electric vapor apparatus and method of operating the same. No. 1,110,545; Sept. 15; Gaz. vol. 206; p. 679.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Directional-current arrester. No. 1,110,546; Sept. 15; Gaz. vol. 206; p. 679.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Starting and operating vapor electric devices. No. 1,110,551; Sept. 15; Gaz. vol. 206; p. 681.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric device. No. 1,110,552; Sept. 15; Gaz. vol. 206; p. 681.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Starting device for mercury-vapor electric apparatus. No. 1,110,553; Sept. 15; Gaz. vol. 206; p. 682.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Co., Hoboken, N. J. System of electrical distribution by vapor-converters. No. 1,110,554; Sept. 15; Gaz. vol. 206; p. 682.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric device. No. 1,110,555; Sept. 15; Gaz. vol. 206; p. 682.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electrical distribution by alternating currents. No. 1,110,687; Sept. 15; Gaz. vol. 206; p. 730.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electric vapor apparatus. No. 1,110,780; Sept. 15; Gaz. vol. 206; p. 762.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Co., Hoboken, N. J. Controlling means for vapor apparatus. No. 1,120,949; Dec. 15; Gaz. vol. 209; p. 797.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric translating device. No. 1,121,358; Dec. 15; Gaz. vol. 209; p. 939.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Controlling means for vapor apparatus. No. 1,121,359; Dec. 15; Gaz. vol. 209; p. 940.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Apparatus for transforming electrical energy. No. 1,121,360; Dec. 15; Gaz. vol. 209; p. 940.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric apparatus. No. 1,121,361; Dec. 15; Gaz. vol. 209; p. 940.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Co., Hoboken, N. J. Transmitting and utilizing electric currents. No. 1,110,547; Sept. 15; Gaz. vol. 206; p. 680.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Starting and controlling device for electric vapor apparatus. No. 1,110,548; Sept. 15; Gaz. vol. 206; p. 680.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor-converter. No. 1,110,549; Sept. 15; Gaz. vol. 206; p. 681.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Multiple operation of translating devices. No. 1,110,550; Sept. 15; Gaz. vol. 206; p. 681.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electrical distribution system. No. 1,110,556; Sept. 15; Gaz. vol. 206; p. 683.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Mercury-vapor rectifier. No. 1,110,557; Sept. 15; Gaz. vol. 206; p. 683.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric apparatus. No. 1,110,558; Sept. 15; Gaz. vol. 206; p. 684.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric lamp and connection. No. 1,110,559; Sept. 15; Gaz. vol. 206; p. 684.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric apparatus. No. 1,110,560; Sept. 15; Gaz. vol. 206; p. 684.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric apparatus. No. 1,110,561; Sept. 15; Gaz. vol. 206; p. 684.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electrical production of light. No. 1,110,562; Sept. 15; Gaz. vol. 206; p. 685.
- Hewitt, Peter C., Ringwood Manor, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Light-transforming composition. No. 1,110,563; Sept. 15; Gaz. vol. 206; p. 685.

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- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Circuit-breaker. No. 1,110,781; Sept. 15; Gaz. vol. 206; p. 762.
- Hewitt, Wallace B., Upper Troy, assignor to H. G. Sanford, New York, N. Y. Coiling apparatus. No. 1,103,201; July 14; Gaz. vol. 204; p. 391.
- Hewitt, William B., Holyoke, Mass., assignor to International Steam Pump Company. Deep-well pump. No. 1,102,583; July 7; Gaz. vol. 204; p. 127.
- Hewitt, William E., Turner, Kans. Scythe-fastening device. No. 1,117,044; Nov. 10; Gaz. vol. 208; p. 588.
- Hewitt, William W., Greenhithe, England. Cask-making machinery. No. 1,083,445; Jan. 6; Gaz. vol. 198; p. 62.
- Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Oil-switch. No. 1,091,659; Mar. 31; Gaz. vol. 200; p. 1187.
- Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Line-disconnecting switch. No. 1,109,586; Sept. 1; Gaz. vol. 206; p. 255.
- Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Insulator. No. 1,110,934; Sept. 15; Gaz. vol. 206; p. 817.
- Hewlett, Edward M., and C. E. Eveleth, Schenectady, N. Y., assignors to General Electric Company. Oil-switch. No. 1,093,051; Apr. 14; Gaz. vol. 201; p. 352.
- Hewlett, Maddra J., and H. L. Demmler, Kewanee, Ill. Molding apparatus. No. 1,086,824; Feb. 10; Gaz. vol. 199; p. 480.
- Hewson, Earl. (See Lawrence, Albert H., assignor.)
- Heybach, Frederick J., assignor, by mesne assignments, to The Unit Weighing and Packing System, (Incorporated), Baltimore, Md. Capping device. No. 1,111,581; Sept. 22; Gaz. vol. 206; p. 1083.
- Heycock, Harold F., Martinborough, New Zealand. Pneumatic tire. No. 1,101,930; June 30; Gaz. vol. 203; p. 1410.
- Heycock, Harold F., Dunedin, New Zealand. Pneumatic tire. No. 1,103,877; July 14; Gaz. vol. 204; p. 623.
- Heyde, Friedrich, Tegel, near Berlin, Germany. Artificial teeth. No. 1,112,697; Oct. 6; Gaz. vol. 207; p. 103.
- Heyer, Ferdinand C. (See Geiser, Rudolph, assignor.)
- Heyer, Heinrich, Bremerhaven, Germany. Chair. No. 1,088,419; Feb. 24; Gaz. vol. 199; p. 1127.
- Heyl, Firm of Cornelius. (See Genthe, Alfred, assignor.)
- Heylman, Edward M., assignor to Rock Island Plow Company, Rock Island, Ill. Wheel adjustment for plows. No. 1,093,990; Apr. 21; Gaz. vol. 201; p. 710.
- Heylman, Edward M., assignor to Rock Island Plow Company, Rock Island, Ill. Corn-planter clutch mechanism. No. 1,109,067; Sept. 1; Gaz. vol. 206; p. 74.
- Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow. No. 1,095,574; May 5; Gaz. vol. 202; p. 137.
- Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Planter. No. 1,110,935; Sept. 15; Gaz. vol. 206; p. 817.
- Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Seed-feeding mechanism for planters. No. 1,111,960; Sept. 29; Gaz. vol. 206; p. 1251.
- Heylman, Edward M., assignor to The Janesville Machine Company, Janesville, Wis. Corn-planter. No. 1,118,932; Dec. 1; Gaz. vol. 209; p. 9.
- Heylmann, Fred E. (See Underwood, Frank B., assignor.)
- Heylman, William R., Iola, Kans. Memory-ring. No. 1,087,015; Feb. 10; Gaz. vol. 199; p. 543.
- Heyman, David, Jersey City, N. J. Toy. No. 1,092,103; Mar. 31; Gaz. vol. 200; p. 1338.
- Heymann, Charles, Paris, France. Device for attaching stiffeners to trousers. No. 1,091,842; Mar. 31; Gaz. vol. 200; p. 1252.
- Heymann, Robert, Paris, France. Carpet-making appliance. No. 1,096,302; May 12; Gaz. vol. 202; p. 421.
- Heyn, Edmund C., Catonsville, Md., assignor to The B. V. D. Company, New York, N. Y. Garment. No. 1,113,992; Oct. 20; Gaz. vol. 207; p. 633.
- Heyn, Herman, Omaha, Nebr. Photographic mask. No. 1,116,888; Nov. 10; Gaz. vol. 208; p. 535.
- Heyn, Jerome F., Omaha, Nebr. Photographic-print drier. No. 1,119,351; Dec. 1; Gaz. vol. 209; p. 155.
- Heyne, Howard A., assignor of one-half to W. L. Douglas, New York, N. Y. Percolator. No. 1,106,045; Aug. 4; Gaz. vol. 205; p. 161.
- Heyroth, Albert H., Great Falls, Mont. Windmill-power plant. No. 1,114,759; Oct. 27; Gaz. vol. 207; p. 957.
- Heyroth, Albert H., Great Falls, Mont. System of electrical supply. No. 1,114,760; Oct. 27; Gaz. vol. 207; p. 957.
- Heywood Brothers and Wakefield Company. (See O'Hearn, George E., assignor.)
- Hiatt, Arthur R. (See Welch, Johnson B., assignor.)
- Hiatt, Cassius E., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Means for measuring the frequency of an alternating current. No. 1,121,626; Dec. 22; Gaz. vol. 209; p. 1068.
- Hiatt, Cassius E., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring apparatus. No. 1,121,834; Dec. 22; Gaz. vol. 209; p. 1142.
- Hiatt, Cassius E., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Comparator. No. 1,121,835; Dec. 22; Gaz. vol. 209; p. 1142.
- Hiatt, Ernest B., Truro, Iowa. Mold for making sewer-inlets. No. 1,090,211; Mar. 17; Gaz. vol. 200; p. 617.
- Hibbard, Angus S., New York, N. Y. Electrical recorder. No. 1,114,612; Oct. 20; Gaz. vol. 207; p. 852.
- Hibbard, Charles L., assignor of one-half to F. W. Hager, Philadelphia, Pa. Talking-machine. No. 1,118,902; Nov. 24; Gaz. vol. 208; p. 1315.
- Hibbard, Charles L., East Orange, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,119,157; Dec. 1; Gaz. vol. 209; p. 90.
- Hibbard, Edward R., Oak Park, assignor to Grip Nut Company, Chicago, Ill. Lock-nut. No. 1,111,382; Sept. 22; Gaz. vol. 206; p. 1013.
- Hibbard, Henry D., Plainfield, N. J. Metallurgical furnace. No. 1,089,377; Mar. 3; Gaz. vol. 200; p. 238.
- Hibbard, Robert L., Sewickley, assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Attachment for punching-machines. No. 1,089,217; Mar. 3; Gaz. vol. 200; p. 187.
- Hibbard, Walter R., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Antimony-sulfid-coated granulated explosive. No. 1,108,437; Aug. 25; Gaz. vol. 205; p. 1136.
- Hibberd, Charles E., London, England, assignor of three-tenths to F. L. Goad, Edinburgh, Scotland. Gas-meter. No. 1,092,048; Mar. 31; Gaz. vol. 200; p. 1319.
- Hibbert, Harold, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Manufacture of organic solvents. No. 1,086,048; Feb. 3; Gaz. vol. 199; p. 168.
- Hibbits, Frank N., *et al.*, trustees. (See McGill, Andrew M., assignor.)
- Hibbs, William, Plano, Ill. Corn-harvester. No. 1,090,150; Mar. 17; Gaz. vol. 200; p. 595.
- Hibschman, Allen E. (See Weintraub and Hibschman.)
- Hice, John W., Johnson City, Tenn. Apparatus for and method of bending and setting stock. No. 1,122,750; Dec. 29; Gaz. vol. 209; p. 1496.
- Hick, Harry J., assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,086,769; Feb. 10; Gaz. vol. 199; p. 461.
- Hick, Harry J., assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,086,770; Feb. 10; Gaz. vol. 199; p. 461.
- Hick, Harry J., assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,098,383; June 2; Gaz. vol. 203; p. 9.
- Hick, Harry J., assignor, by mesne assignments, to The McCaskey Register Company, (Incorporated in 1914), Alliance, Ohio. Filing appliance. No. 1,107,305; Aug. 18; Gaz. vol. 205; p. 691.
- Hick, Harry J., assignor, by mesne assignments, to The McCaskey Register Company, (Incorporated in 1914), Alliance, Ohio. Paper-holder. No. 1,107,306; Aug. 18; Gaz. vol. 205; p. 692.
- Hick, Harry J., assignor, by mesne assignments, to The McCaskey Register Company, (Incorporated in 1914), Alliance, Ohio. Filing appliance. No. 1,107,307; Aug. 18; Gaz. vol. 205; p. 692.
- Hick, Harry J., assignor, by mesne assignments, to The McCaskey Register Company, (Incorporated in 1914), Alliance, Ohio. Filing appliance. No. 1,115,197; Oct. 27; Gaz. vol. 207; p. 1114.
- Hick, Harry J., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,118,007; Nov. 24; Gaz. vol. 208; p. 1005.
- Hick, Harry J., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,118,008; Nov. 24; Gaz. vol. 208; p. 1006.
- Hick, Harry J., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,122,926; Dec. 29; Gaz. vol. 209; p. 1558.
- Hickerson, George X., Brooklyn, N. Y., assignor to Hampden Manufacturing Company, Inc. Supporting device. No. 1,115,818; Nov. 3; Gaz. vol. 208; p. 118.
- Hickey, James G., and F. J. Baird, Jacksonville, Fla. Box or crate. No. 1,112,698; Oct. 6; Gaz. vol. 207; p. 103.
- Hickey, James J., Toronto, Ontario, Canada. Stove. No. 1,098,798; June 2; Gaz. vol. 203; p. 149.
- Hickey, John J., New York, N. Y. Drip-water safe. No. 1,095,864; May 5; Gaz. vol. 202; p. 235.
- Hickman, Emmett F., assignor of one-half to A. Munden, Norfolk, Va. Life-saving suit or garment. No. 1,117,571; Nov. 17; Gaz. vol. 208; p. 813.
- Hickman, Isaac M., deceased, Springfield, and F. H. Lynch, Lebanon, (L. Hickman, administratrix), assignors to J. E. Roberts and G. Bennett, Springfield, Mo. Churn. No. 1,115,935; Nov. 3; Gaz. vol. 208; p. 160.
- Hickman, Lena, administratrix. (See Hickman and Lynch.)
- Hickok, Arthur S. (See Myers, Hubert A., assignor.)
- Hickok, Lester E., *et al.* (See Reynolds, Clifford W., assignor.)

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- Hicks, Harrison W., Alexandria, assignor to The Huntington Specialty Company, Huntington, Ind. Clock. No. 1,107,947; Aug. 18; Gaz. vol. 205; p. 917.
- Hicks, Henry L. (See Rives and Nabors, assignors.)
- Hicks, John, Calgary, Alberta, Canada. Gas-burner. No. 1,102,751; July 7; Gaz. vol. 204; p. 185.
- Hicks, John F., and P. Kovsky, Philadelphia, Pa. Automobile-lock. No. 1,087,446; Feb. 17; Gaz. vol. 199; p. 747.
- Hickson, Aaron L., Paducah, Tex. Cotton-chopper. No. 1,100,239; June 16; Gaz. vol. 203; p. 722.
- Hickson, Joseph, Mount Gilead, Ohio. Hollow reinforced-concrete lumber. No. 1,085,042; Jan. 20; Gaz. vol. 198; p. 653.
- Hidden, Charles P., New York, N. Y. Expression device for player-pianos and the like. No. 1,102,661; July 7; Gaz. vol. 204; p. 154.
- Hidden, Charles P., New York, N. Y. Expression device for player-pianos and the like. No. 1,103,582; July 14; Gaz. vol. 204; p. 520.
- Hidden, Charles P., Winchester, assignor to The Lamson Company, Boston, Mass. Store-service apparatus. No. 1,122,597; Dec. 29; Gaz. vol. 209; p. 1442.
- Hidden, Morton E., assignor to W. H. Simpson, East Orange, N. J. Intake for gas-engines. No. 1,098,626; June 2; Gaz. vol. 203; p. 93.
- Hide-It Leather Company. (See Clapp, Albert L., assignor.)
- Hidecker, Carver, San Anselmo, assignor to Ione Fire Brick Company, San Francisco, Cal. Fire-brick. No. 1,115,429; Oct. 27; Gaz. vol. 207; p. 1192.
- Hidley, Volny R., Ladonia, Tex. Latch. No. 1,118,549; Nov. 24; Gaz. vol. 208; p. 1197.
- Hiegel, Eugene J., Dallas, Tex. Curtain-stretcher. No. 1,118,858; Nov. 24; Gaz. vol. 208; p. 1301.
- Hiehle, Kurt, Nuremberg, Germany. Cylinder for combustion-engines. No. 1,087,492; Feb. 17; Gaz. vol. 199; p. 762.
- Hiemenz, Wilhelm, Elberfeld, Germany, assignor to Synthetic Patents Co. Inc., New York, N. Y. Derivative of acylsalicylic-acid compounds. No. 1,122,201; Dec. 22; Gaz. vol. 209; p. 1268.
- Hien, Henry C., Webb City, Mo. Wrench. No. 1,110,204; Sept. 8; Gaz. vol. 206; p. 519.
- Hieronimus, Jasper N., Fairbury, Ill. Wagon-box step. No. 1,090,852; Mar. 24; Gaz. vol. 200; p. 868.
- Hiertz, Arthur E., Bridgeport, Conn. Automatic valve for gas-fixtures. No. 1,104,116; July 21; Gaz. vol. 204; p. 744.
- Hiester, Theodore M., Dayton, Ohio. Rotary fluid-pressure motor. No. 1,097,756; May 26; Gaz. vol. 202; p. 1010.
- Hiett, James A. C., Bakersfield, Cal. Automatic gramophone stop or brake. No. 1,123,125; Dec. 29; Gaz. vol. 209; p. 1629.
- Hiett, James I., Rockmart, Ga. Combined comb and brush. No. 1,102,919; July 7; Gaz. vol. 204; p. 242.
- Hiett, William S., assignor of three-fourths to W. A. Farrell, McFall, and one-fourth to R. Blackmon, Anniston, Ala. Plow. No. 1,118,933; Dec. 1; Gaz. vol. 209; p. 10.
- Higdon, Eddie O., Chicago, Ill. Liquid-percolator. No. 1,098,799; June 2; Gaz. vol. 203; p. 150.
- Higgason, William H., Tulare, Cal. Hay-rake. No. 1,117,045; Nov. 10; Gaz. vol. 208; p. 589.
- Higgin, Henry, assignor of one-half to The Higgin Manufacturing Company, Newport, Ky. Window-screen. No. 1,092,442; Apr. 7; Gaz. vol. 201; p. 111.
- Higgin, Henry, assignor to The Higgin Manufacturing Company, Newport, Ky. Window-sash-grooving machine. No. 1,114,761; Oct. 27; Gaz. vol. 207; p. 958.
- Higgin, Henry, assignor to The Higgin Manufacturing Company, Newport, Ky. Weather-strip. No. 1,120,307; Dec. 8; Gaz. vol. 209; p. 522.
- Higgin Manufacturing Company, The. (See Higgin, Henry, assignor.)
- Higgin Manufacturing Company, The. (See Stein, Edward, assignor.)
- Higgin Manufacturing Company, The. (See Swart, Robert B., assignor.)
- Higginbottom, Mack Kay, Oak Park, Ill. Guide-signal. No. 1,119,959; Dec. 8; Gaz. vol. 209; p. 400.
- Higgins, Albert G., assignor of one-half to R. M. Havens, Kansas City, Mo. Plastering-machine. No. 1,100,565; June 16; Gaz. vol. 203; p. 833.
- Higgins, Albert G., assignor to Truswall Manufacturing Company, Kansas City, Mo. Apparatus for fluting plastic columns. No. 1,118,770; Nov. 24; Gaz. vol. 208; p. 1271.
- Higgins, Arthur C. (See Nightingale, Thomas F., assignor.)
- Higgins, Benjamin F., Christopher, Ill. Lock. No. 1,109,068; Sept. 1; Gaz. vol. 206; p. 75.
- Higgins, C. C., et al. (See Makowski, John F., assignor.)
- Higgins, Daniel, New London, Conn. Outside rolling window-shutter. No. 1,107,069; Aug. 11; Gaz. vol. 205; p. 559.
- Higgins, Fred T., Klamath Falls, Ore. Lamp-burner attachment. No. 1,112,451; Oct. 6; Gaz. vol. 207; p. 13.
- Higgins, George W., and J. Ungar, Cleveland, Ohio. Glass-cutter's board. No. 1,100,878; June 23; Gaz. vol. 203; p. 995.
- Higgins, Harold H., assignor of one-half to L. E. Kean, Waltham, Mass. Lifter for utensils. No. 1,113,215; Oct. 13; Gaz. vol. 207; p. 321.
- Higgins, Harry A., assignor to Diamond Power Specialty Company, Detroit, Mich. Blower for water-tube boilers. No. 1,101,545; June 30; Gaz. vol. 203; p. 1276.
- Higgins, John W., Jackson, Ohio. Gas-burner. No. 1,105,780; Aug. 4; Gaz. vol. 205; p. 68.
- Higgins, Joseph E., Grand Island, Nebr. Eyeglasses. No. 1,103,046; July 14; Gaz. vol. 204; p. 333.
- Higgins, Joseph J., Silver Creek, Pa. Excavating-bucket. No. 1,106,146; Aug. 4; Gaz. vol. 205; p. 197.
- Higgins, Maria, Limestone, Me. Churn. No. 1,085,337; Jan. 27; Gaz. vol. 198; p. 792.
- Higgins, Peter K., Los Angeles, Cal., assignor to F. R. Parker, Chicago, Ill. Electric-line-apparatus protector. No. 1,110,259; Sept. 8; Gaz. vol. 206; p. 539.
- Higgins, Thomas, Pittsburgh, Pa. Metal tire-band. No. 1,091,573; Mar. 31; Gaz. vol. 200; p. 1157.
- Higgins, Virginia K., et al. (See Lorenz, Friedrich, assignor.)
- Higgins, Walter, and J. Rhodes, Bradford, England. Dyeing and washing machine. No. 1,090,397; Mar. 17; Gaz. vol. 200; p. 683.
- Higgins, William H. C., Jr., assignor to M. Rumely Company, Laporte, Ind. Plow-lift. No. 1,112,796; Oct. 6; Gaz. vol. 207; p. 135.
- High, Elmer B., Macungie, Pa. Ready-balance sheet. No. 1,089,764; Mar. 10; Gaz. vol. 200; p. 422.
- High Frequency Ignition Coil Company. (See Perkin, Howard W., assignor.)
- High Frequency Ignition Coil Company. (See Seeley, James E., assignor.)
- Higham, Harry W., Sanderstead, and P. Risley, Gunnersbury, England, assignors to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,102,752; July 7; Gaz. vol. 204; p. 186.
- Hight, Francis, Winchester, assignor to Perry Mason Company, Boston, Mass. Card or picture support. No. 1,111,458; Sept. 22; Gaz. vol. 206; p. 1040.
- Hight, George W., Jr. (See Hight, William T. and G. W., Jr.)
- Hight, Robert L., Decatur, Ill. Flexible shaft. No. 1,111,714; Sept. 22; Gaz. vol. 206; p. 1130.
- Hight, Urias T., Candor, N. C. Pea-huller. No. 1,107,424; Aug. 18; Gaz. vol. 205; p. 736.
- Hight, William T., Boston, and G. W. Hight, Jr., Quincy, Mass. Sliding shoe for furniture. No. 1,114,353; Oct. 20; Gaz. vol. 207; p. 761.
- Hightower, James C., assignor of one-half to P. F. Bauknight, Atlanta, Ga. Broom. No. 1,112,614; Oct. 6; Gaz. vol. 207; p. 73.
- Higman, Gertrude, Los Angeles, Cal. Gutter-section. No. 1,113,784; Oct. 13; Gaz. vol. 207; p. 522.
- Higson, Albert, et al. (See Goodfellow, Charles S., assignor.)
- Hilberger, Joseph, assignor to New Jersey Worsted Spinning Co., Garfield, N. J. Yarn-guide for spinning-mules. No. 1,085,864; Feb. 3; Gaz. vol. 199; p. 101.
- Hilbert, George A., Baltimore, Md. Repair device for rimless eyeglasses. No. 1,087,657; Feb. 17; Gaz. vol. 199; p. 822.
- Hilbert, John N. J. (See Phelps and Hilbert.)
- Hilbish, John E., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Recording toll trunk-circuit. No. 1,119,016; Dec. 1; Gaz. vol. 209; p. 40.
- Hild, Frederic W., Portland, Ore. Cyclometer attachment for wheels of rail-cars. No. 1,113,785; Oct. 13; Gaz. vol. 207; p. 522.
- Hildebrand, Henry W., Galveston, Tex. Load-transferring apparatus. No. 1,101,438; June 23; Gaz. vol. 203; p. 1188.
- Hildebrand, James L., Boston, Mass. Toilet-paper cabinet. No. 1,114,354; Oct. 20; Gaz. vol. 207; p. 762.
- Hildebrand, Paul, Munich, Germany. Electric-current transformer. No. 1,102,507; July 7; Gaz. vol. 204; p. 100.
- Hildebrand, William R., New York, N. Y. Printing-press attachment. No. 1,104,669; July 21; Gaz. vol. 204; p. 937.
- Hildebrandt, Frank P., Saugerties, N. Y. Paper-folding machine. No. 1,090,304; Mar. 17; Gaz. vol. 200; p. 650.
- Hildebrandt, Frank P., Saugerties, N. Y. Paper cutting and folding machine. No. 1,112,288; Sept. 29; Gaz. vol. 206; p. 1364.
- Hildebrandt, Gotthold, Berlin, Germany, assignor to American Industrial Gas Company, New York, N. Y. Separating liquid air into its constituents. No. 1,119,158; Dec. 1; Gaz. vol. 209; p. 90.
- Hildebrandt, Gotthold, Berlin, Germany, assignor to American Industrial Gas Company, New York, N. Y. Apparatus for separating liquid air into its constituents. No. 1,119,159; Dec. 1; Gaz. vol. 209; p. 91.
- Hildenbrand, Herman, Chapeze, Ky. Conveyer-transfer. No. 1,090,713; Mar. 17; Gaz. vol. 200; p. 790.

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- Hildner, Frederick. (See Hildner, John L. and F.)
- Hildner, John L. and F., Indianapolis, Ind. Button. No. 1,098,111; May 26; Gaz. vol. 202; p. 1137.
- Hildner, John L. and F., Indianapolis, Ind. Cuff-button. No. 1,099,047; June 2; Gaz. vol. 203; p. 232.
- Hildreth, Charles H., and C. C. Daubenspeck, Oilfield, Ill. Rotary gas-engine. No. 1,113,993; Oct. 20; Gaz. vol. 207; p. 633.
- Hildreth, Herbert L. (See McGary, Charles W., assignor.)
- Hildreth, Lawrence, Lexington, Ky. Animal-trap. No. 1,106,382; Aug. 11; Gaz. vol. 205; p. 319.
- Hildum, James A. and L., Oolitic, Ind. Self-heating dinner-pail. No. 1,090,056; Mar. 10; Gaz. vol. 200; p. 522.
- Hildum, Leonard. (See Hildum, James A. and L.)
- Hilfiker, Frederick O., Rochester, assignor to F. O. Hilfiker Co., Syracuse, N. Y. Faucet attachment. No. 1,112,065; Sept. 29; Gaz. vol. 206; p. 1285.
- Hilgenstock, Gustav, Dahlhausen-on-the-Ruhr, Germany. Obtaining ammonia from gas. No. 1,098,900; June 2; Gaz. vol. 203; p. 185.
- Hilgenstock, Gustav, Dahlhausen-on-the-Ruhr, Germany. Obtaining by-products from gases resulting from the dry distillation of coal, &c. No. 1,099,089; June 2; Gaz. vol. 203; p. 244.
- Hilger, George M., Chicago, Ill. Vapor-condenser. No. 1,105,430; July 28; Gaz. vol. 204; p. 1253.
- Hilgert, Mathew, New York, N. Y. Manufacturing shoes. No. 1,120,489; Dec. 8; Gaz. vol. 209; p. 588.
- Hilgert, Mathew, New York, N. Y. Last. No. 1,120,490; Dec. 8; Gaz. vol. 209; p. 588.
- Hilgert, Mathew, New York, N. Y. Manufacturing lasts. No. 1,120,491; Dec. 8; Gaz. vol. 209; p. 588.
- Hilker, Edward. (See Gould, Charles T. E., assignor.)
- Hill, A. Leroy, administrator. (See Bollinger, Alexander M.)
- Hill, Aaron, assignor of one-fourth to R. I. Blakeslee, Los Angeles, Cal. Caster and fitting. No. 1,102,508; July 7; Gaz. vol. 204; p. 100.
- Hill, Albert R., Elmira, N. Y. Sash-lock. No. 1,119,599; Dec. 1; Gaz. vol. 209; p. 241.
- Hill, Alexander S., Medina, N. Y. Lock. No. 1,090,057; Mar. 10; Gaz. vol. 200; p. 522.
- Hill, Alexander S., Washington, D. C. Multiple-bolt lock. No. 1,090,058; Mar. 10; Gaz. vol. 200; p. 523.
- Hill, Benjamin H., et al. (See Johnson, Clinton A., assignor.)
- Hill, Charles, New Bedford, Mass. Match-striker. No. 1,106,216; Aug. 4; Gaz. vol. 205; p. 219.
- Hill, Charles H., Schenectady, N. Y., assignor to General Electric Company. Pull-button-controlling switch. No. 1,096,913; May 19; Gaz. vol. 202; p. 671.
- Hill, Charles V., St. Louis, Mo. Radiator-shelf. No. 1,116,700; Nov. 10; Gaz. vol. 208; p. 469.
- Hill, Chester, Geneva, Ohio. Electric switch. No. 1,117,046; Nov. 10; Gaz. vol. 208; p. 589.
- Hill, Clarence A. (See Harpster, William S., assignor.)
- Hill, Clarence S., Iliou, N. Y. Vacuum-cleaner nozzle. No. 1,109,069; Sept. 1; Gaz. vol. 206; p. 75.
- Hill, Climie E. (See Hill, Stirling B., C. E., and W. R.)
- Hill Clutch Company, The. (See Smith, Harry J., assignor.)
- Hill, Cyrus, and J. Henschen, Iona, Fla. Cabinet. No. 1,102,920; July 7; Gaz. vol. 204; p. 242.
- Hill, Edward E., Pittsburgh, Pa. Envelop-moistening device. No. 1,111,537; Sept. 22; Gaz. vol. 206; p. 1067.
- Hill, Edward W. (See Ford, Hannibal C., assignor.)
- Hill, Ernest R. (See Gibbs and Hill.)
- Hill, Francis G., Carrollton, Ky. Washstand. No. 1,121,183; Dec. 15; Gaz. vol. 209; p. 880.
- Hill, Frank E., Morgantown, W. Va. Chuck for holding glass articles. No. 1,122,114; Dec. 22; Gaz. vol. 209; p. 1238.
- Hill, Fred J., Chicago, Ill. Piano-player. No. 1,110,564; Sept. 15; Gaz. vol. 206; p. 685.
- Hill, George S., Strafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Buttonhole-sewing machine. No. 1,088,420; Feb. 24; Gaz. vol. 199; p. 1127.
- Hill, George S., Strafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,094,896; Apr. 28; Gaz. vol. 201; p. 1080.
- Hill, George S., Strafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Buttonhole-sewing machine. No. 1,106,810; Aug. 11; Gaz. vol. 205; p. 472.
- Hill, George S., Strafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Stitched button-hole. No. 1,107,669; Aug. 18; Gaz. vol. 205; p. 823.
- Hill, George S., Strafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Stop mechanism for buttonhole-sewing machines. No. 1,115,936; Nov. 3; Gaz. vol. 208; p. 160.
- Hill, George S., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Bender-actuating mechanism for blindstitch sewing-machines. No. 1,113,628; Oct. 13; Gaz. vol. 207; p. 467.
- Hill, George W., assignor to American Tobacco Company, New York, N. Y. Cigarette-case. No. 1,119,281; Dec. 1; Gaz. vol. 209; p. 131.
- Hill, Harrison B., Providence, R. I. Adjustable arm-tractor. No. 1,096,107; May 12; Gaz. vol. 202; p. 353.
- Hill, Harry D., Plymouth, Ind. Gasolene-engine governor. No. 1,086,173; Feb. 3; Gaz. vol. 199; p. 211.
- Hill, Henry, Phoenix, Ariz. Automobile-wheel. No. 1,093,413; Apr. 14; Gaz. vol. 201; p. 477.
- Hill, Henry, Hoxton, London, England. Joint for brewers' and like pipes. No. 1,113,994; Oct. 20; Gaz. vol. 207; p. 634.
- Hill, Henry D. (See Reynolds and Hill.)
- Hill, Hervie M., Achilles, Kans. Safety-envelop. No. 1,090,617; Mar. 17; Gaz. vol. 200; p. 760.
- Hill, Hildebrand T., Takapuna, Auckland, New Zealand. Swingletree and attachment. No. 1,110,260; Sept. 8; Gaz. vol. 206; p. 539.
- Hill, Horace H., Somerville, and R. Abell, assignors to Submarine Signal Company, Boston, Mass. Signal-buoy. No. 1,112,138; Sept. 29; Gaz. vol. 206; p. 1310.
- Hill, Hugh, Anderson, Ind. Metal wheel. No. 1,083,682; Jan. 6; Gaz. vol. 198; p. 140.
- Hill-Independent Manufacturing Company. (See Pinkerton, Henry M. G., assignor.)
- Hill-Independent Manufacturing Company. (See Scotford, Louis K., assignor.)
- Hill-Independent Mfg. Co. (See Boss, Thomas H., assignor.)
- Hill-Independent Mfg. Co. (See Scotford and Price, assignors.)
- Hill, Ira W., et al. (See Harris, Richard G., assignor.)
- Hill, Irving. (See Morscher, Lawrence N., assignor.)
- Hill, Isaac B., Plainfield, N. J. Building construction. No. 1,101,183; June 23; Gaz. vol. 203; p. 1101.
- Hill, James, and G. H. Cleggett, Des Moines, Iowa. Quilting-frame. No. 1,088,149; Feb. 24; Gaz. vol. 199; p. 1037.
- Hill, James B., Chicago, Ill. Float. No. 1,093,414; Apr. 14; Gaz. vol. 201; p. 477.
- Hill, James B., Raceland, La. Tractor. No. 1,105,562; July 28; Gaz. vol. 204; p. 1297.
- Hill, James W., et al. (See Harris, Richard G., assignor.)
- Hill, James W. P., Nebo, N. C. Reversible plow. No. 1,114,692; Oct. 20; Gaz. vol. 207; p. 879.
- Hill, John E., Boston, Mass. Perpetual calendar. No. 1,115,819; Nov. 3; Gaz. vol. 208; p. 118.
- Hill, John M., Vancouver, British Columbia, Canada. Letter-filing clip. No. 1,094,716; Apr. 28; Gaz. vol. 201; p. 1020.
- Hill, John W., Palisades, N. Y. Variable-range peep-sight for firearms. No. 1,122,115; Dec. 22; Gaz. vol. 209; p. 1239.
- Hill, Joseph C., et al. (See Holman, John C., assignor.)
- Hill, Joseph S., Bethesda, Md. Steering-wheel. No. 1,091,932; Mar. 31; Gaz. vol. 200; p. 1282.
- Hill, Joshua A., assignor of one-half to G. W. Rogers, Essex, Ontario, Canada. Gearing. No. 1,104,893; July 28; Gaz. vol. 204; p. 1063.
- Hill, Marion. (See Gardie and Hill.)
- Hill, Paul C., Taft, Cal. Coupling. No. 1,113,556; Oct. 13; Gaz. vol. 207; p. 443.
- Hill, Ralph N., Montclair, N. J., assignor to Western Electric Company, New York, N. Y. Selective signaling system. No. 1,103,288; July 14; Gaz. vol. 204; p. 418.
- Hill, Ralph N., Montclair, N. J., assignor to Western Electric Company, New York, N. Y. Selective signaling system. No. 1,103,583; July 14; Gaz. vol. 204; p. 520.
- Hill, Richard P., Auckland, New Zealand. Means for cleaning water-pipes. No. 1,090,059; Mar. 10; Gaz. vol. 200; p. 523.
- Hill, Robert P., San Francisco, Cal. Faucet. No. 1,097,433; May 19; Gaz. vol. 202; p. 854.
- Hill, Stirling B., C. E., and W. R., Seattle, Wash. Valve structure. No. 1,088,341; Feb. 24; Gaz. vol. 199; p. 1102.
- Hill, Terelius A., Maryville, Tenn. Gate. No. 1,099,747; June 9; Gaz. vol. 203; p. 515.
- Hill, Thomas A., New York, N. Y. Guard and curb. No. 1,105,781; Aug. 4; Gaz. vol. 205; p. 68.
- Hill, Thomas H., Winsted, Conn. Thill-coupling. No. 1,116,064; Nov. 3; Gaz. vol. 208; p. 204.
- Hill, Truman, assignor of one-half to J. R. Sims, Sr., Perry, Ill. Pulling attachment for steam-hammers. No. 1,091,336; Mar. 24; Gaz. vol. 200; p. 1031.
- Hill, William A., assignor of one-half to R. J. Gephart, Coyle, Okla. Obstetrical instrument. No. 1,092,104; Mar. 31; Gaz. vol. 200; p. 1339.
- Hill, William G., assignor to Apsley Rubber Company, Hudson, Mass. Vulcanization. No. 1,090,535; Mar. 17; Gaz. vol. 200; p. 731.
- Hill, William R. (See Hill, Stirling B., C. E., and W. R.)
- Hillard, Frederic W., Bentley Manor, N. Y., assignor to M. R. Hillard, Middlebury, Conn. Type-writing machine. No. 1,088,421; Feb. 24; Gaz. vol. 199; p. 1128.
- Hillard, James M., Gulfport, assignor of one-half to M. W. Connor, Columbia, Miss. Turpentine-extractor. No. 1,103,878; July 14; Gaz. vol. 204; p. 623.
- Hillard, Mary R. (See Hillard, Frederic W., assignor.)

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- Hille, Adolph W. (See Albers, William C., assignor.)
- Hille, Carl, Alta, Iowa. Skate. No. 1,100,976; June 23; Gaz. vol. 203; p. 1031.
- Hillebrand, Franz. (See Dreyfus and Hillebrand.)
- Hilleman, Daniel, Jr., Wellston, Mo. Coaling device. No. 1,097,434; May 19; Gaz. vol. 202; p. 854.
- Hillenberg, Marco R., *et al.* (See Johnson, Jacob G., assignor.)
- Hiller, Balthaser, Hudson, Wis. Meat-curing device. No. 1,108,755; Aug. 25; Gaz. vol. 205; p. 1246.
- Hiller, Edwin J., Taylorville, Ill. Pipe-hanger. No. 1,085,421; Jan. 27; Gaz. vol. 198; p. 821.
- Hiller, George A. (See Hiller, Otto P. and G. A.)
- Hiller, Joseph L. (See Borton and Hiller.)
- Hiller, Nicolai H., Carbondale, Pa. Process of refrigeration and apparatus therefor. No. 1,109,923; Sept. 8; Gaz. vol. 206; p. 419.
- Hiller, Otto P. and G. A., Rochester, N. Y. Bed-joint. No. 1,099,600; June 9; Gaz. vol. 203; p. 465.
- Hiller, Vernice W., Clay, N. Y. Horseshoe-calk. No. 1,117,047; Nov. 10; Gaz. vol. 208; p. 589.
- Hiller, Walter L. (See Harris, Hollis H., assignor.)
- Hillrich, John A., assignor to J. F. Hillerich & Son Company, Incorporated, Louisville, Ky. Bat. No. 1,110,487; Sept. 15; Gaz. vol. 206; p. 660.
- Hilliard, Birtus A., New Point, Ind. Hay-baler. No. 1,085,085; Jan. 20; Gaz. vol. 198; p. 667.
- Hilligass, William H. (See Haught, Henry H., assignor.)
- Hilliker, John A., Evanston, Ill. Egg case or carrier. No. 1,084,859; Jan. 20; Gaz. vol. 198; p. 593.
- Hillman, William A., Elgin, Ill. Concrete silo. No. 1,086,295; Feb. 3; Gaz. vol. 199; p. 250.
- Hills, Edward R. (See Corthill, Fred H., assignor.)
- Hills, Edward R. (See McIntyre, Frederick, assignor.)
- Hills, Elvert R., Beaver, Okla. Trace-carrier. No. 1,122,751; Dec. 29; Gaz. vol. 209; p. 1496.
- Hills, Harry B., Riverton, N. J. Hatch-operating mechanism. No. 1,085,422; Jan. 27; Gaz. vol. 198; p. 821.
- Hills, Henry A., Grand Rapids, Mich. Filtering device. No. 1,113,342; Oct. 13; Gaz. vol. 207; p. 368.
- Hills, Lundy E., Ashcreek, Minn. Vegetable-cutter. No. 1,122,501; Dec. 29; Gaz. vol. 209; p. 1409.
- Hills, Robert H., *et al.* (See Miller, William, assignor.)
- Hillyer, Mary L., Goliad, Tex. Bed. No. 1,095,397; May 5; Gaz. vol. 202; p. 76.
- Hillyer, Robert W., New York, N. Y. Line-clamp for printers' forms. No. 1,087,234; Feb. 17; Gaz. vol. 199; p. 673.
- Hilsinger, Putnam, Killawog, N. Y. Saw-sharpener. No. 1,095,865; May 5; Gaz. vol. 202; p. 235.
- Hilt, Reuben, West Somerville, Mass. Oscillating lever for operating pump-pistons, &c. No. 1,091,136; Mar. 24; Gaz. vol. 200; p. 968.
- Hilton, Alexander F., assignor to Union Special Machine Company, Chicago, Ill. Sewing and trimming machine. No. 1,116,701; Nov. 10; Gaz. vol. 208; p. 469.
- Hiltzcher, John F., Fullerton, Cal. Dry concentrator. No. 1,108,499; Aug. 25; Gaz. vol. 205; p. 1160.
- Hiltz, George S., assignor to The Stock Quotation Telegraph Company, New York, N. Y. Printing-telegraph receiver. No. 1,085,124; Jan. 27; Gaz. vol. 198; p. 717.
- Hiltz, George S., assignor to The Stock Quotation Telegraph Company, New York, N. Y. Printing-telegraph receiver. No. 1,086,049; Feb. 3; Gaz. vol. 199; p. 168.
- Himberger, Matt, Woodward, Iowa. Automatic car-coupling with air-operated release. No. 1,108,577; Aug. 25; Gaz. vol. 205; p. 1186.
- Himebaugh, Adelbert C., Burr Oak, Mich. Steering-sled. No. 1,104,799; July 28; Gaz. vol. 204; p. 1030.
- Himes, James M., Oswego, N. Y. Street-sweeping machine. No. 1,083,932; Jan. 13; Gaz. vol. 198; p. 250.
- Himes, James M., Washington, D. C. Window-ventilator. No. 1,093,415; Apr. 14; Gaz. vol. 201; p. 478.
- Himes, Walter H., Lansing, Mich. Governor for internal-combustion engines. No. 1,090,212; Mar. 17; Gaz. vol. 200; p. 617.
- Himle, Thorstein, Santa Rosa, Cal. Life-preserver. No. 1,108,756; Aug. 25; Gaz. vol. 205; p. 1246.
- Himler, George W., Latrobe, assignor of one-half to G. B. Meyers, Derry, Pa. Lock. No. 1,117,846; Nov. 17; Gaz. vol. 208; p. 911.
- Hinchcliff, Henry C., Brooklyn, N. Y. Punching and eye-letting machine. No. 1,120,939; Dec. 15; Gaz. vol. 209; p. 794.
- Hinckley, Arthur T., Niagara Falls, N. Y., assignor to National Carbon Company, Cleveland, Ohio. Electrode for electric furnaces. No. 1,097,227; May 19; Gaz. vol. 202; p. 783.
- Hinckley, Howard, Washington, D. C. Shoe for golf-hole-marker rods. No. 1,115,937; Nov. 3; Gaz. vol. 208; p. 160.
- Hincks, Elizabeth T., Andover, Mass. Pyrotechnic novelty. No. 1,099,548; June 9; Gaz. vol. 203; p. 448.
- Hind Steel & Wire Works Inc. (See Renton, George W., assignor.)
- Hind, Thomas F. (See Lund and Hind.)
- Hinde, Henry J., F. Orton, and B. J. Lindgren, assignors to The Toledo Machine & Tool Company, Toledo, Ohio. Drawing-press. No. 1,089,558; Mar. 10; Gaz. vol. 200; p. 350.
- Hinde, William T., Taos, N. Mex. Brush-cutter. No. 1,096,170; May 12; Gaz. vol. 202; p. 374.
- Hinderer, Gustave L., Philadelphia, Pa. Fender. No. 1,089,468; Mar. 10; Gaz. vol. 200; p. 319.
- Hindley, George E., Park Ridge, N. J. Electromagnetic brake-operating mechanism. No. 1,121,725; Dec. 22; Gaz. vol. 209; p. 1104.
- Hindley, Stella P., Helena, Mont. Disinfecting poultry-roost. No. 1,120,308; Dec. 8; Gaz. vol. 209; p. 523.
- Hindman, Isaiah E., Crafton, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Friction-clutch device. No. 1,089,703; Mar. 10; Gaz. vol. 200; p. 401.
- Hindman, Isaiah E., Crafton, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Jack. No. 1,093,269; Apr. 14; Gaz. vol. 201; p. 428.
- Hindman, Isaiah E., Crafton, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Lever-socket for lifting-jacks. No. 1,107,611; Aug. 18; Gaz. vol. 205; p. 802.
- Hindman, Isaiah E., Beechview, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Rail-fastener. No. 1,089,704; Mar. 10; Gaz. vol. 200; p. 401.
- Hindmarsh, Percy J., assignor of one-half to M. W. Woods, Lincoln, Nebr. Decoy. No. 1,083,882; Jan. 6; Gaz. vol. 198; p. 202.
- Hinds, Christopher P., Calcite, Colo. Internal-combustion engine. No. 1,114,473; Oct. 20; Gaz. vol. 207; p. 807.
- Hinds, Franklin P., Lynn, and W. H. Dalton, Boston; said Hinds assignor to G. E. Benner, Lowell, Mass. Reversible sad-iron. No. 1,109,333; Sept. 1; Gaz. vol. 206; p. 169.
- Hinds, Jesse L., and J. J. Dossert, assignors to Crouse-Hinds Company, Syracuse, N. Y. Coupling for electric conductors. No. 1,094,717; Apr. 28; Gaz. vol. 201; p. 1020.
- Hinds, Thomas, Winnipeg, Manitoba, Canada. Pipe-wrench. No. 1,105,782; Aug. 4; Gaz. vol. 205; p. 68.
- Hine, Burton J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Valve. No. 1,120,144; Dec. 8; Gaz. vol. 209; p. 464.
- Hineman, John, Cedar Rapids, Iowa. Lawn-mower sharpener. No. 1,103,584; July 14; Gaz. vol. 204; p. 521.
- Hiner, Charles N., assignor to Hiner Specialty & Mfg. Co., Staunton, Va. Window-shade hanger. No. 1,094,070; Apr. 21; Gaz. vol. 201; p. 737.
- Hiner, Frank E., Rockford, Ill. Pencil-sharpener. No. 1,088,021; Feb. 24; Gaz. vol. 199; p. 993.
- Hiner Specialty & Mfg. Co. (See Hiner, Charles N., assignor.)
- Hines, Charles A., *et al.* (See Brady, Stephen E., assignor.)
- Hines, Edward, assignor of forty-nine one-hundredths to F. Tross, Jr., Louisville, Ky. Antiskidding device for automobiles. No. 1,093,416; Apr. 14; Gaz. vol. 201; p. 478.
- Hines, Edwin G., Drums, Pa. Kitchen utensil. No. 1,109,418; Sept. 1; Gaz. vol. 206; p. 200.
- Hines, James F., Grand River, Iowa. Rotary display-shelving. No. 1,101,849; June 30; Gaz. vol. 203; p. 1381.
- Hines, John H. (See Menges, Albert C., assignor.)
- Hines, Joseph H., Prescott, Ariz. Pipe-threading machine. No. 1,104,046; July 21; Gaz. vol. 204; p. 721.
- Hines, Lincoln, *et al.* (See Brady, Stephen E., assignor.)
- Hines, Lute E., Lima, Ohio. Oil-burner. No. 1,121,500; Dec. 15; Gaz. vol. 209; p. 988.
- Hines, William A., W. J. Curry, J. D. Miskelly, and S. A. Marshall, New Cumberland, W. Va.; said Marshall assignor to W. A. Andrews, East Liverpool, Ohio. Gas and oil burner. No. 1,112,797; Oct. 6; Gaz. vol. 207; p. 136.
- Hines, William J., Leominster, Mass. Name-plate. No. 1,091,574; Mar. 31; Gaz. vol. 200; p. 1157.
- Hinkel, Friedrich W., Tempelhof, near Berlin, assignor, by mesne assignments, to Internationale Feuerlöcher Gesellschaft m. b. H., Berlin, Germany. Apparatus for extinguishing fires. No. 1,097,435; May 19; Gaz. vol. 202; p. 854.
- Hinkel, Peter, Ashland, Ky. Spring-spoke wheel. No. 1,121,501; Dec. 15; Gaz. vol. 209; p. 989.
- Hinkle, James M. (See Bowman and Hinkle.)
- Hinkley, Carl C., assignor to Saxon Motor Car Company, Detroit, Mich. Differential gearing. No. 1,115,536; Nov. 3; Gaz. vol. 208; p. 24.
- Hinkley, Leonard E., Millersburg, Ohio. Brake-shoe. No. 1,117,048; Nov. 10; Gaz. vol. 208; p. 539.
- Hinman, Arthur V. and R. L., Oneida, N. Y. Cow-milking machine. No. 1,097,803; May 26; Gaz. vol. 202; p. 1028.
- Hinman, Bertram C., London, and E. W. Robey, South Woodford, England. Apparatus for dividing liquids. No. 1,121,246; Dec. 15; Gaz. vol. 209; p. 900.
- Hinman, Charles W., Boston, Mass. Gas-meter. No. 1,109,225; Sept. 1; Gaz. vol. 206; p. 131.
- Hinman, Ralph L. (See Hinman, Arthur V. and R. L.)
- Hino, Seth M., Rock Springs, Wyo. Electric lamp. No. 1,120,492; Dec. 8; Gaz. vol. 209; p. 589.

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- Hinsdale, George G., Somerville, Mass. Yielding unit. No. 1,120,714; Dec. 15; Gaz. vol. 209; p. 715.
- Hinshaw, Loren, *et al.* (See Caughlan, Walter M., assignor.)
- Hinson, Robert E., assignor of one-half to S. Quayle, Hillsboro, Tex. Thermostat. No. 1,094,991; Apr. 28; Gaz. vol. 201; p. 1115.
- Hinson, Walter M., Enfield, Conn. Tobacco-hanger. No. 1,093,270; Apr. 14; Gaz. vol. 201; p. 429.
- Hinton, John R., Ontario, Oreg. Music-leaf turner. No. 1,092,527; Apr. 7; Gaz. vol. 201; p. 139.
- Hinton, Roger B., and O. Kort, Los Angeles, Cal. Trolley. No. 1,122,927; Dec. 29; Gaz. vol. 209; p. 1559.
- Hintz, John F., Brillion, Wis. Muffler. No. 1,103,769; July 14; Gaz. vol. 204; p. 586.
- Hintze, Gustav, Berlin, and A. Rosewick, Merseburg, Germany, assignors to A. C. Blanche, Brussels, Belgium. Motor-plow. No. 1,091,885; Mar. 31; Gaz. vol. 200; p. 1267.
- Hinze, William J. (See Katterheinrich and Hinze.)
- Hinzpeter, Alfred, Munich, Germany. Device for calling cabs, porters, and the like by telephone. No. 1,084,012; Jan. 13; Gaz. vol. 198; p. 279.
- Hiorth, Karl A. F., Christiania, Norway. Electrical induction-furnace. No. 1,099,440; June 9; Gaz. vol. 203; p. 411.
- Hiorth, Karl A. F., Christiania, Norway. Producing iron and steel directly from the ore. No. 1,112,007; Sept. 29; Gaz. vol. 206; p. 1266.
- Hipkins, Charles T., *et al.* (See Gilman and Clements, assignors.)
- Hipple, Solomon R., Williamsport, Pa., and W. L. Conwell, Montclair, N. J. Contact switch-box. No. 1,105,907; Aug. 4; Gaz. vol. 205; p. 111.
- Hipwell, Harry H., Pittsburgh, Pa. Globe-holder. No. 1,094,071; Apr. 21; Gaz. vol. 201; p. 737.
- Hipwood, George, and P. Egan, New York, N. Y. Vehicle-fender. No. 1,085,423; Jan. 27; Gaz. vol. 198; p. 821.
- Hirsch, Arthur Z., San Francisco, Cal. Portable mirror. No. 1,121,585; Dec. 15; Gaz. vol. 209; p. 1018.
- Hirsch, Friedrich. (See Friedrich and Hirsch.)
- Hirsch & Fürst. (See Reichelt, Adolf von, assignor.)
- Hirsch, Hiram H., Philadelphia, Pa. Portable electric-lighting apparatus. No. 1,097,022; May 19; Gaz. vol. 202; p. 708.
- Hirsch, Hiram H., Philadelphia, Pa. Portable electric-lighting apparatus. No. 1,097,023; May 19; Gaz. vol. 202; p. 710.
- Hirsch, Hiram H., Philadelphia, Pa. Incandescent-electric-lamp support. No. 1,121,247; Dec. 15; Gaz. vol. 209; p. 900.
- Hirsch, Hiram H., Philadelphia, Pa. Portable electric-lighting apparatus. No. 1,121,248; Dec. 15; Gaz. vol. 209; p. 901.
- Hirsch, Hiram H., Philadelphia, Pa. Portable electric-lighting apparatus. No. 1,121,249; Dec. 15; Gaz. vol. 209; p. 901.
- Hirsch, Isaac S., New York, N. Y. X-ray tube. No. 1,120,493; Dec. 8; Gaz. vol. 209; p. 589.
- Hirsch, Leopold R., Brooklyn, N. Y. Boiler. No. 1,115,198; Oct. 27; Gaz. vol. 207; p. 1114.
- Hirsch, Montefiore L., and G. W. Blackstock, Baltimore, Md.; said Blackstock assignor to said Hirsch. Paper-roll-holding means. No. 1,119,428; Dec. 1; Gaz. vol. 209; p. 182.
- Hirsch, Nathan, Lancaster, S. C. Cuspidor. No. 1,090,060; Mar. 10; Gaz. vol. 200; p. 523.
- Hirsch, Nathan, Lancaster, S. C. Lavatory attachment. No. 1,099,801; June 9; Gaz. vol. 203; p. 534.
- Hirsch, Sigmund S., and I. E. Shane, Kansas City, Mo. Feather-treating apparatus. No. 1,110,936; Sept. 15; Gaz. vol. 206; p. 817.
- Hirschberg, Hermann M. (See Dinsmoor, John L., assignor.)
- Hirschberger, Josef, Jersey City, N. J., assignor to H. A. Metz, New York, N. Y. Treating vegetable fibers, yarns, and fabrics. No. 1,087,584; Feb. 17; Gaz. vol. 199; p. 794.
- Hirschwitz, Aaron. (See Schmidt and Hirschwitz.)
- Hirsh, Allan M., Montclair, N. J., and J. C. Mitchell, Newport News, Va. Manufacture of concrete pipe. No. 1,102,584; July 7; Gaz. vol. 204; p. 128.
- Hirsh, Arthur, Chicago, Ill. Folding bed. No. 1,093,329; Apr. 14; Gaz. vol. 201; p. 449.
- Hirsh, Fred, New York, N. Y., assignor to Adjusta Company. Adjusting-loop. (Reissue.) No. 13,680; Jan. 27; Gaz. vol. 198; p. 874.
- Hirsohn, Isaac, New York, N. Y. Bucket-closure. No. 1,098,727; June 2; Gaz. vol. 203; p. 127.
- Hirst, Harry R., and D. Ungaro, Trenton, N. J. Chalk-holder. No. 1,114,693; Oct. 20; Gaz. vol. 207; p. 880.
- Hirst, Harry R., and D. Ungaro, Trenton, N. J. Repair-tool. No. 1,114,694; Oct. 20; Gaz. vol. 207; p. 880.
- Hirt, Clifford I., Peoria, Ill. Egg-beater. No. 1,120,716; Dec. 15; Gaz. vol. 209; p. 715.
- Hirt, Jules H., El Paso, Tex. Sawdust-burning furnace. No. 1,086,366; Feb. 10; Gaz. vol. 199; p. 320.
- Hirt, Jules H., El Paso, Tex., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Producing gas. No. 1,083,683; Jan. 6; Gaz. vol. 198; p. 140.
- Hirt, Jules H., El Paso, Tex., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Gas-producer. No. 1,094,897; Apr. 28; Gaz. vol. 201; p. 1080.
- Hirt, Jules H., El Paso, Tex., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Producing gas. No. 1,110,782; Sept. 15; Gaz. vol. 206; p. 762.
- Hirt, Jules H., Sewickley, Pa., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Gas-producer. No. 1,114,355; Oct. 20; Gaz. vol. 207; p. 762.
- Hirth, Alphons, Oberburnhaupt, Germany. Grain-binding tool. No. 1,108,172; Aug. 25; Gaz. vol. 205; p. 1044.
- Hirth, Carl A., Cannstatt, Stuttgart, Germany. Knife for leather-skiving machines. No. 1,117,381; Nov. 17; Gaz. vol. 208; p. 747.
- Hirth, Carl A., assignor to Norma-Compagnie G. m. b. H., Cannstatt-Stuttgart, Germany. Cage for ball-bearings. No. 1,098,901; June 2; Gaz. vol. 203; p. 185.
- Hirth, Frank, Fort Smith, Ark. Refrigerating apparatus. No. 1,100,015; June 16; Gaz. vol. 203; p. 644.
- Hirth, Hellmuth, Johannisthal-Berlin, Germany. Flying-machine. No. 1,094,898; Apr. 28; Gaz. vol. 201; p. 1081.
- Hirtz, Nicholas, Cincinnati, Ohio. Knockdown umbrella. No. 1,117,382; Nov. 17; Gaz. vol. 208; p. 747.
- Hiscock, Emory C., assignor to W. W. Kimball Company, Chicago, Ill. Pneumatic player-action. No. 1,089,765; Mar. 10; Gaz. vol. 200; p. 422.
- Hise, John P., Hightown, Va., assignor to The Hise Wagon Brake Company, Marlinton, W. Va. Attachment for wagon-brakes. No. 1,106,942; Aug. 11; Gaz. vol. 205; p. 519.
- Hise, John P., Hightown, Va., assignor to The Hise Wagon Brake Company, Marlinton, W. Va. Adjustable rack for wagon-brakes. No. 1,117,572; Nov. 17; Gaz. vol. 208; p. 813.
- Hise Wagon Brake Company, The. (See Hise, John P., assignor.)
- Hiser, Charles H., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Metallic grave-vault. No. 1,092,260; Apr. 7; Gaz. vol. 201; p. 46.
- Hist, John, Berea, Ohio. Water-ballast land-roller. No. 1,104,502; July 21; Gaz. vol. 204; p. 879.
- Hitchcock Experiment Company. (See Hitchcock, Halbert K., assignor.) (Reissue.)
- Hitchcock, Halbert K., Tarentum, Pa. Applying abrasives to grinding-machines. No. 1,089,705; Mar. 10; Gaz. vol. 200; p. 401.
- Hitchcock, Halbert K., Tarentum, Pa. Applying abrasives to grinding apparatus. No. 1,099,366; June 9; Gaz. vol. 203; p. 387.
- Hitchcock, Halbert K., Tarentum, Pa. Method and apparatus for grading finely-divided materials. No. 1,100,302; June 16; Gaz. vol. 203; p. 745.
- Hitchcock, Halbert K., Tarentum, Pa., assignor of one-half to Hitchcock Experiment Company. Manufacture of sheet-glass. (Reissue.) No. 13,804; Sept. 29; Gaz. vol. 206; p. 1413.
- Hitchcock, Stanley I., Upper Norwood, assignor of one-third to R. E. Ellis, London, England. Mud-guard. No. 1,099,441; June 9; Gaz. vol. 203; p. 411.
- Hitchner, Chester W., Philadelphia, Pa. Sandwich-cake machine. No. 1,114,138; Oct. 20; Gaz. vol. 207; p. 685.
- Hite, Charles E., Burlington, N. J., assignor of one-half to W. Pincus, Philadelphia, Pa. Sulfur compound and making. (Reissue.) No. 13,796; Sept. 1; Gaz. vol. 206; p. 283.
- Hitner, Harry F., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Take-down apparatus for handling glass cylinders. No. 1,096,627; May 12; Gaz. vol. 202; p. 530.
- Hitner, Harry F., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Glass-drawing apparatus. No. 1,103,585; July 14; Gaz. vol. 204; p. 521.
- Hitschmann, Rudolf V., Clafin, Kans. Device for applying leather facings to pulleys. No. 1,085,424; Jan. 27; Gaz. vol. 198; p. 822.
- Hitselberger, Leo and L., Relay, Md. Automatic train-stopping apparatus. No. 1,122,116; Dec. 22; Gaz. vol. 209; p. 1239.
- Hitselberger, Louis. (See Hitselberger, Leo and L.)
- Hitzemann, Herman W., Rosell, Ill. Potato-digger. No. 1,115,537; Nov. 3; Gaz. vol. 208; p. 24.
- Hively, Charles A. (See Keck, William, assignor.)
- Hixon, Hiram W., Aire Libre, Mexico. Treating ingots. No. 1,101,546; June 30; Gaz. vol. 203; p. 1277.
- Hjelkrem, Olof, Chicago, Ill. Shoe. No. 1,092,146; Apr. 7; Gaz. vol. 201; p. 8.
- Hjelte, Adolph, Chicago, Ill. Engine-starter. No. 1,119,825; Dec. 8; Gaz. vol. 209; p. 354.
- Hjort, Axel F., Chicago, Ill., assignor to Brunswick-Balke-Collender Co. Billiard-table. No. 1,119,160; Dec. 1; Gaz. vol. 209; p. 91.

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- Hlatky, Joseph. (See Taylor, Wallace M., assignor.)
- Hlinka, Mike, Cleveland, Ohio. Swimming apparatus. No. 1,093,417; Apr. 14; Gaz. vol. 201; p. 478.
- Hnatszn, Paul, et al. (See Siwak, Feliks, assignor.)
- Hoadley, Arthur G., Mount Vernon, N. Y. Variable mold for concrete columns. No. 1,096,914; May 19; Gaz. vol. 202; p. 671.
- Hoadley, Thomas H., Gladbrook, Iowa. Railway-tie. No. 1,116,275; Nov. 3; Gaz. vol. 208; p. 275.
- Hoag, George M., Galveston, Tex. Self-propelled truck. No. 1,106,217; Aug. 4; Gaz. vol. 205; p. 219.
- Hoag, John B., Kirksville, Mo. Vertically-adjustable gate. No. 1,114,613; Oct. 20; Gaz. vol. 207; p. 852.
- Hoag, Morris W., Lincoln township, Blackhawk county, Iowa. Shock-loading device. No. 1,087,447; Feb. 17; Gaz. vol. 199; p. 747.
- Hoag, Norman J., Skaneateles, N. Y. Spring-contracting device. No. 1,113,343; Oct. 13; Gaz. vol. 207; p. 368.
- Hoag, Norman J., and H. E. Vosburgh, Skaneateles, N. Y.; said Vosburgh assignor of one-third to said Hoag. Spark-plug. No. 1,120,384; Dec. 8; Gaz. vol. 209; p. 550.
- Hoagland, Frank O., Bridgeport, Conn. Projectile. No. 1,111,459; Sept. 22; Gaz. vol. 206; p. 1040.
- Hoagland, Frank O., assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Apparatus for filling receptacles. No. 1,085,125; Jan. 27; Gaz. vol. 198; p. 718.
- Hoagland, Frank O., assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Explosion-guard. No. 1,086,707; Feb. 10; Gaz. vol. 199; p. 439.
- Hoagland, Frank O., assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Explosion-guard. No. 1,086,708; Feb. 10; Gaz. vol. 199; p. 439.
- Hoagland, Frank O., assignor to Union Metallic Cartridge Company, Bridgeport, Conn. Projectile. No. 1,091,224; Mar. 24; Gaz. vol. 200; p. 999.
- Hoagland, Frank O., assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Cartridge. No. 1,094,565; Apr. 28; Gaz. vol. 201; p. 963.
- Hoagland, Frank O., assignor to Union Metallic Cartridge Company, Bridgeport, Conn. Hollow-point bullet. No. 1,095,501; May 5; Gaz. vol. 202; p. 113.
- Hoagland, Frank O., assignor to Union Metallic Cartridge Company, Bridgeport, Conn. Mushroom-bullet. No. 1,095,502; May 5; Gaz. vol. 202; p. 113.
- Hoagland, Frank O., assignor to Union Metallic Cartridge Company, Bridgeport, Conn. Mushroom-bullet. No. 1,099,298; June 9; Gaz. vol. 203; p. 361.
- Hoagland, Frank O., assignor to Union Metallic Cartridge Company, Bridgeport, Conn. Illuminating-bullet. No. 1,099,549; June 9; Gaz. vol. 203; p. 448.
- Hoagland, Frank O., assignor to Union Metallic Cartridge Company, Bridgeport, Conn. Hollow-point bullet. No. 1,101,743; June 30; Gaz. vol. 203; p. 1344.
- Hoagland, Frank O., assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Cartridge-shell. No. 1,103,202; July 14; Gaz. vol. 204; p. 391.
- Hoagland, Frank O., assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Cartridge-shell. No. 1,103,203; July 14; Gaz. vol. 204; p. 391.
- Hoagland, Frank O., assignor to Union Metallic Cartridge Company, Bridgeport, Conn. Rim-fire cartridge. No. 1,107,519; Aug. 18; Gaz. vol. 205; p. 769.
- Hoagland, Frank O., assignor to Union Metallic Cartridge Company, Bridgeport, Conn. Mushroom-bullet. No. 1,107,948; Aug. 18; Gaz. vol. 205; p. 918.
- Hoagland, Frank O., assignor to Union Metallic Cartridge Company, Bridgeport, Conn. Cartridge. No. 1,109,840; Sept. 8; Gaz. vol. 206; p. 388.
- Hoagland, Frank O., assignor to Union Metallic Cartridge Company, Bridgeport, Conn. Projectile. No. 1,112,413; Sept. 29; Gaz. vol. 206; p. 1408.
- Hoagland, Frank O., assignor to Union Metallic Cartridge Company, Bridgeport, Conn. Mushroom-bullet. No. 1,114,356; Oct. 20; Gaz. vol. 207; p. 762.
- Hoar, James T., Atlanta, Ga. Drill. No. 1,106,306; Aug. 4; Gaz. vol. 205; p. 248.
- Hoar, Walter J., assignor to W. J. Hoar Shoe Manufacturing Co., Portland, Me. Shoe. No. 1,106,811; Aug. 11; Gaz. vol. 205; p. 472.
- Hobart Electric Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
- Hobart, Henry M., Schenectady, N. Y., assignor to General Electric Company. Cooling electrical apparatus. No. 1,105,783; Aug. 4; Gaz. vol. 205; p. 69.
- Hobart, Henry M., Schenectady, N. Y., assignor to General Electric Company. Electrical apparatus. No. 1,121,014; Dec. 15; Gaz. vol. 209; p. 820.
- Hobbs, Francis C., New York, N. Y., assignor to Brunswick-Balke-Collender Company. Billiard-chalk holder. No. 1,121,560; Dec. 15; Gaz. vol. 209; p. 1009.
- Hobbs, Frank C., Muskegon, Mich., assignor to Brunswick-Balke-Collender Co. Dischargeable pockets for pocket-billiard tables and the like. No. 1,116,889; Nov. 10; Gaz. vol. 208; p. 535.
- Hobbs, Frank C., Muskegon, Mich., assignor to Brunswick-Balke-Collender Co. Dischargeable pocket for pocket-billiard tables and the like. No. 1,121,184; Dec. 15; Gaz. vol. 209; p. 881.
- Hobbs, James E., Coulsden, assignor to Ransome-verMehrs Machinery Company, Limited, London, England. Drying apparatus. No. 1,102,662; July 7; Gaz. vol. 204; p. 155.
- Hobbs, Lorenzo D. (See Bryan, Hugh B., assignor.)
- Hobbs Manufacturing Company. (See Hobbs, Samuel T., assignor.)
- Hobbs, Ralph, and A. E. Teal, Grand Rapids, Mich. Extension-table slide. No. 1,121,627; Dec. 22; Gaz. vol. 209; p. 1069.
- Hobbs, Samuel T., assignor to Hobbs Manufacturing Company, Worcester, Mass. Scoring-machine. No. 1,095,207; May 5; Gaz. vol. 202; p. 11.
- Hobbs, Willis F., assignor to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Handle-fastening. No. 1,112,798; Oct. 6; Gaz. vol. 207; p. 136.
- Hobden, Henry F., Longlands, Benfleet, assignor to Radium Colour Company Limited, London, England. Game apparatus. No. 1,115,938; Nov. 3; Gaz. vol. 208; p. 161.
- Hobe, John M., and U. S. Traub, Yonkers, N. Y. Electrical primer. No. 1,085,425; Jan. 27; Gaz. vol. 198; p. 822.
- Hoben, John M. (See Cramer and Hoben.)
- Hoberg, Frank R., Green Bay, Wis. Toilet-paper roll. No. 1,110,689; Sept. 15; Gaz. vol. 206; p. 731.
- Hobohm, Wilhelm, Berlin, Germany. Automatic door closing and locking mechanism for vehicles. No. 1,095,634; May 5; Gaz. vol. 202; p. 157.
- Hobson, Francis J., and C. E. Beyer, Nogales, Ariz. Ore-separator. No. 1,085,256; Jan. 27; Gaz. vol. 198; p. 764.
- Hobson, Oliver J. (See Kirk and Hobson.)
- Hobson, Oliver J., Portland, Oreg., assignor to Hobson Tire Company, Vancouver, Wash. Shock-absorber. No. 1,086,174; Feb. 3; Gaz. vol. 199; p. 211.
- Hobson Tire Company. (See Hobson, Oliver J., assignor.)
- Hoch, Delton I. (See Brown, Carl E., assignor.)
- Hoch, Farrell C., and W. I. McKee, Butler, Pa. Oil-well cleaner and agitator. No. 1,086,050; Feb. 3; Gaz. vol. 199; p. 169.
- Hochreiter, Andrew. (See Branington, Edwhin O., assignor.)
- Hochreutener, Henry, West Hoboken, N. J. Shuttle-machine embroidery-frame. No. 1,087,766; Feb. 17; Gaz. vol. 199; p. 857.
- Hochstetter, David V., White Cloud, Mich. Device for operating switch-points. No. 1,088,342; Feb. 24; Gaz. vol. 199; p. 1102.
- Hochstetter, Frederick W., New York, N. Y., assignor to H. P. Patents and Processes Company, Inc. Shutter for moving-picture machines. No. 1,094,147; Apr. 21; Gaz. vol. 201; p. 762.
- Hochstetter, Frederick W., New York, N. Y., assignor to H. P. Patents and Processes Company, Inc. Shutter for moving-picture machines. No. 1,094,148; Apr. 21; Gaz. vol. 201; p. 763.
- Hochstetter, Frederick W., New York, N. Y., assignor to H. P. Patents and Processes Company, Inc. Shutter mechanism for moving-picture machines. No. 1,115,538; Nov. 3; Gaz. vol. 208; p. 25.
- Hochstetter, Heinrich von, Constance, Germany. Making formaldehyde. No. 1,100,076; June 16; Gaz. vol. 203; p. 666.
- Hochstetter, Heinrich von, Constance, Germany, assignor to Perth Amboy Chemical Works, New York, N. Y. Making formaldehyde. No. 1,110,289; Sept. 8; Gaz. vol. 206; p. 550.
- Hochstetter, Robert, Cincinnati, Ohio. Making ink. No. 1,119,960; Dec. 8; Gaz. vol. 209; p. 400.
- Hochstrasser, Arnold, Cementon, assignor to Whitehall Cement Manufacturing Company, Philadelphia, Pa. Cement-scraper. No. 1,114,986; Oct. 27; Gaz. vol. 207; p. 1038.
- Hock, Edward C., Buffalo, N. Y. Smoke-consuming heater or boiler. No. 1,097,718; May 26; Gaz. vol. 202; p. 997.
- Hock, Edward C., Buffalo, N. Y. Smoke-consuming device for heaters or boilers. No. 1,106,709; Aug. 11; Gaz. vol. 205; p. 436.
- Hockett, Frank C. (See Shakley, Samuel D., assignor.)
- Hockett, Oscar C. (See Fishburne, Edward W., assignor.)
- Hockett, Oscar C. (See Newsom, Albert L., assignor.)
- Hockin, Robert H. (See Wright and Hockin.)
- Hocking Valley Products Company. (See Reagan, Daniel E., assignor.)
- Hodde, Jacob H., and O. White, assignors to Sangamo Electric Company, Springfield, Ill. Two-part spindle. No. 1,119,654; Dec. 1; Gaz. vol. 209; p. 292.
- Hodel, Joseph A., assignor of one-fourth to A. Horsfield, Philadelphia, Pa. Ventilator. No. 1,098,948; June 2; Gaz. vol. 203; p. 201.

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- Hodge, Arthur J., Pasadena, Cal. Gas-regulator. No. 1,097,322; May 19; Gaz. vol. 202; p. 817.
- Hodge, Arthur J., assignor to Reliance Gas Regulator & Machine Company, Pasadena, Cal. Gas-regulator. No. 1,107,612; Aug. 18; Gaz. vol. 205; p. 802.
- Hodge, Charles C. (See Saxton and Hodge.)
- Hodge, Howard D., Waltham Abbey, England, assignor to Nobel's Explosives Company, Limited, Glasgow, Scotland. Machine for drying freshly-painted cylindrical articles, such as cartridge-shells. No. 1,089,706; Mar. 10; Gaz. vol. 200; p. 402.
- Hodge, Karl, Onaway, Mich. Steering-wheel. No. 1,114,762; Oct. 27; Gaz. vol. 207; p. 958.
- Hodge, William T., *et al.* (See Nelson, Henry F., assignor.)
- Hodges, Ezra J., Algona, Iowa. Nut-lock. No. 1,113,344; Oct. 13; Gaz. vol. 207; p. 368.
- Hodges, Henry H. (See Eversman and Hodges.)
- Hodges, Horace F., assignor to Pure Water Apparatus Company, Philadelphia, Pa. Apparatus for thermal water purification. No. 1,083,740; Jan. 6; Gaz. vol. 198; p. 160.
- Hodges, Irene, San Francisco, Cal. Raising and lowering mechanism for curtains. No. 1,102,921; July 7; Gaz. vol. 204; p. 242.
- Hodges, Jesse E., Cincinnati, Ohio. Temporary flooring for concrete floors. No. 1,118,282; Nov. 24; Gaz. vol. 208; p. 1100.
- Hodges, John S., Boise, Idaho. Oil-burner. No. 1,099,367; June 9; Gaz. vol. 203; p. 387.
- Hodges, W. Burke, New Hudson, Mich. Potato-sorting apparatus. No. 1,105,327; July 28; Gaz. vol. 204; p. 1215.
- Hodges, William S., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Axle-box. No. 1,114,474; Oct. 20; Gaz. vol. 207; p. 807.
- Hodges, William S., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Valve for locomotives. No. 1,122,928; Dec. 29; Gaz. vol. 209; p. 1559.
- Hodgkinson, Percy W., assignor of one-half to C. W. Carroll, Rochester, N. Y. Power mechanism. No. 1,089,053; Mar. 3; Gaz. vol. 200; p. 129.
- Hodgman, Burt B., East Orange, N. J., and C. Inglee, Amityville, N. Y., assignors to National Water Main Cleaning Company. Apparatus for inserting pipe-cleaning devices into pipe-lines. No. 1,089,641; Mar. 10; Gaz. vol. 200; p. 380.
- Hodgson, Charles W., Park City, Utah. Belt-buckle attachment. No. 1,084,209; Jan. 13; Gaz. vol. 198; p. 346.
- Hodgson, Frederick J., London, England. Envelop and like fastener. No. 1,105,431; July 28; Gaz. vol. 204; p. 1253.
- Hodgson, Firm of George. (See Kay, Joseph, assignor.)
- Hodgson, John G., Maywood, Ill., assignor to American Can Company, New York, N. Y. Lacquered or protective-coated can. No. 1,094,899; Apr. 28; Gaz. vol. 201; p. 1081.
- Hodgson, John G., Maywood, Ill., assignor to American Can Company, New York, N. Y. Can lacquering or coating machine. No. 1,104,503; July 21; Gaz. vol. 204; p. 879.
- Hodgson, Wesley W., Ailsa Craig, Ontario, Canada. Automatic starter for internal-combustion engines. No. 1,104,894; July 28; Gaz. vol. 204; p. 1064.
- Hodgson, William, and E. J. Deegan, New York, N. Y. Regulator. No. 1,108,173; Aug. 25; Gaz. vol. 205; p. 1044.
- Hodgson, William D., assignor to A. J. McDonough, Detroit, Mich. Feed-water regulator. No. 1,095,393; May 5; Gaz. vol. 202; p. 76.
- Hodkinson, George F., assignor of one-half to American Water Softener Company, Philadelphia, Pa. Filter construction. No. 1,114,763; Oct. 27; Gaz. vol. 207; p. 958.
- Hodson, Edwin, Ipava, assignor of one-third to H. A. Duffield, Glasford, and one-third to F. F. Hodson, Kingston Mines, Ill. Water-elevating mechanism. No. 1,085,257; Jan. 27; Gaz. vol. 198; p. 764.
- Hodson, Frank F., *et al.* (See Hodson, Edwin, assignor.)
- Hoe, Robert, New York, N. Y. Web-supplying mechanism. No. 1,085,907; Feb. 3; Gaz. vol. 199; p. 116.
- Hoe, Robert, New York, N. Y. Web-controlling device for printing-machines. No. 1,085,908; Feb. 3; Gaz. vol. 199; p. 116.
- Hoe, Robert, New York, N. Y. Web-roll renewer. No. 1,085,909; Feb. 3; Gaz. vol. 199; p. 116.
- Hoefler, Benjamin C., Chicago, Ill. Coin-delivering machine. No. 1,093,052; Apr. 14; Gaz. vol. 201; p. 352.
- Hoefler, Benjamin C., Chicago, Ill. Coin-delivering machine. No. 1,105,516; July 28; Gaz. vol. 204; p. 1282.
- Hoefler, Benjamin C., Chicago, Ill. Coin-delivering machine. No. 1,105,517; July 28; Gaz. vol. 204; p. 1282.
- Hoefler, Emil A. (See Hoefler, Simon and E. A.)
- Hoefler, Fred W., Lyndhurst, assignor to R. Meyer, Hoboken, N. J. Bottle-closure device. No. 1,113,119; Oct. 6; Gaz. vol. 207; p. 243.
- Hoefler, Frederick A., assignor to H. E. Sessions, Columbia, S. C. Cotton-seed linter. No. 1,114,475; Oct. 20; Gaz. vol. 207; p. 808.
- Hoefler, Frederick W., Freeport, Ill. Ticket-printing machine. No. 1,111,020; Sept. 22; Gaz. vol. 206; p. 889.
- Hoefler, Simon and E. A., Freeport, Ill. Mixing device. No. 1,106,447; Aug. 11; Gaz. vol. 205; p. 342.
- Hoefler, Adolph. (See Wilcox, Russell I., assignor.)
- Hoehl, Henry, New Durham, N. J. Screen. No. 1,122,117; Dec. 22; Gaz. vol. 209; p. 1239.
- Hoelderlin, William, Brooklyn, N. Y. Confectionery-dropping machine. No. 1,117,573; Nov. 17; Gaz. vol. 208; p. 813.
- Hoelmann, Richard, Brooklyn, N. Y. Safety attachment for power-presses. No. 1,102,509; July 7; Gaz. vol. 204; p. 100.
- Hoelscher, Gottlieb H., assignor of one-fourth to A. D. Horton and one-fourth to J. Smith, Hawarden, Iowa. Railway-rail joint. No. 1,087,016; Feb. 10; Gaz. vol. 199; p. 544.
- Hoelscher, Gottlieb H., assignor of one-fourth to A. D. Horton and one-fourth to J. Smith, Hawarden, Iowa. Vertical-locking rail-joint. No. 1,088,989; Mar. 3; Gaz. vol. 200; p. 109.
- Hoen, Samuel C., assignor of one-half to A. Ahlberg, St. Paul, Minn. Spring-cushioned wheel. No. 1,100,133; June 16; Gaz. vol. 203; p. 685.
- Hoeneman, William A., New York, N. Y. Signaling and indicating system for elevators. No. 1,122,752; Dec. 29; Gaz. vol. 209; p. 1496.
- Hoener, Alfred V., East Pittsburgh, Pa. Rail-joint. No. 1,118,771; Nov. 24; Gaz. vol. 208; p. 1271.
- Hoenisch, August H., Philadelphia, Pa. Shade-roller bracket. No. 1,120,494; Dec. 8; Gaz. vol. 209; p. 589.
- Hoepfner, Karl, Dayton, Ohio. Lathe. No. 1,095,278; May 5; Gaz. vol. 202; p. 36.
- Hoerr, Louis A., St. Louis, Mo. Slack-adjuster. No. 1,092,215; Apr. 7; Gaz. vol. 201; p. 32.
- Hoerr, Louis A., St. Louis, Mo. Brake mechanism. No. 1,094,442; Apr. 28; Gaz. vol. 201; p. 920.
- Hoerr, Louis A., St. Louis, Mo. Pipe-hanger. No. 1,111,069; Sept. 22; Gaz. vol. 206; p. 906.
- Hoersch, Anton, Menasha, Wis. Storm-window ventilator. No. 1,105,784; Aug. 4; Gaz. vol. 205; p. 69.
- Hoeschen, Henry A., assignor to Hoeschen Manufacturing Company, Omaha, Nebr. Railway signaling mechanism. No. 1,111,257; Sept. 22; Gaz. vol. 206; p. 971.
- Hoeschen Manufacturing Company. (See Hoeschen, Henry A., assignor.)
- Hoey, John, San Francisco, Cal. Bed-spring fabric. No. 1,094,787; Apr. 28; Gaz. vol. 201; p. 1043.
- Hoey, John, San Francisco, Cal. Folding couch. No. 1,095,503; May 5; Gaz. vol. 202; p. 114.
- Hoey, John J., Providence, R. I. Tenting-machine. No. 1,098,152; May 26; Gaz. vol. 202; p. 1150.
- Hof, Willy, Frankfurt-on-the-Main, Germany. Means for distilling acids. No. 1,099,368; June 9; Gaz. vol. 203; p. 388.
- Hofacker, Anton, Newark, N. J. Sleigh attachment for vehicles. No. 1,103,415; July 14; Gaz. vol. 204; p. 460.
- Hofe, Christian von. (See Jacob and Hofe.)
- Hofen, William C., San Francisco, Cal. Vehicle-wheel. No. 1,102,406; July 7; Gaz. vol. 204; p. 65.
- Hofer, Bruno, Munich, Germany. Apparatus for separating solid matter, more particularly cellular matter, from liquids. No. 1,108,095; Aug. 18; Gaz. vol. 205; p. 971.
- Hofer, Jacob S. G., Bridgewater, S. D. Gate-operating device. No. 1,101,547; June 30; Gaz. vol. 203; p. 1277.
- Hoferle, Henry A., *et al.* (See Hoferle, John, assignor.)
- Hoferle, John, assignor of one-fourth to H. A. Hoferle, one-fourth to A. Auer and one-fourth to L. Auer, Chicago, Ill. Door check and closer. No. 1,115,539; Nov. 3; Gaz. vol. 208; p. 25.
- Hoff, Arnold, New York, N. Y. Hat-stretcher. No. 1,118,550; Nov. 24; Gaz. vol. 208; p. 1197.
- Hoff, Charles W. (See Stalnaker, Earl G., assignor.)
- Hoff, George K., Philadelphia, Pa. Gas-tube coupling. No. 1,097,436; May 19; Gaz. vol. 202; p. 855.
- Hoff, Henry, York, Pa. Plug-making machine. No. 1,096,718; May 12; Gaz. vol. 202; p. 560.
- Hoff, Olaf, New York, N. Y. Subaqueous tunnel structure. No. 1,085,338; Jan. 27; Gaz. vol. 198; p. 792.
- Hoffa, John D., Crawfordsville, Ind. Dumping-sink. No. 1,089,130; Mar. 3; Gaz. vol. 200; p. 158.
- Hoffarth, Edward V., Browerville, Minn. Whip-socket and line-holder. No. 1,084,332; Jan. 13; Gaz. vol. 198; p. 387.
- Hoffecker, Abram, assignor to Reliance Speedometer Company, Boston, Mass. Speedometer. No. 1,087,658; Feb. 17; Gaz. vol. 199; p. 822.
- Hoffenbroad, Edward, *et al.* (See Grant, Daniel, assignor.)
- Hoffert, Andrew J. (See Corbin, Parker T., assignor.)
- Hoffman, Alexander, assignor to Firm of E. Becker, Maschinenfabrik, Berlin, Germany. Brake. No. 1,119,282; Dec. 1; Gaz. vol. 209; p. 131.
- Hoffman, Andrew A., assignor to Rome Sanitary Company, Rome, N. Y. Float-valve. No. 1,093,418; Apr. 14; Gaz. vol. 201; p. 478.
- Hoffman, Arthur D., *et al.* (See Louis, Martin C., assignor.)
- Hoffman, Arthur M., Camden, N. J. Crossing for street-railways. No. 1,093,184; Apr. 14; Gaz. vol. 201; p. 399.

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- Hoffman, Balthasar, Topeka, Kans. Centrifugal separating-machine. No. 1,101,548; June 30; Gaz. vol. 203; p. 1278.
- Hoffman, Balthasar, Topeka, Kans. Centrifugal separating-machine. No. 1,101,549; June 30; Gaz. vol. 203; p. 1278.
- Hoffman, Charles M., Chicago, Ill. Bending device. No. 1,119,961; Dec. 8; Gaz. vol. 209; p. 400.
- Hoffman, Clay L., and W. E. Stoner, Portsmouth, Ohio. Safety metallic railway-tie. No. 1,114,357; Oct. 20; Gaz. vol. 207; p. 763.
- Hoffman, Edward F., Glandorf, Ohio. Tooth-brush. No. 1,103,879; July 14; Gaz. vol. 204; p. 623.
- Hoffman, Edward F., Glandorf, Ohio. Thill-support. No. 1,118,859; Nov. 24; Gaz. vol. 208; p. 1301.
- Hoffman, Edward G., *et al.* (See Harrington, Leslie, assignor.)
- Hoffman, Elmer W., Joplin, Mo. Ore-separator. No. 1,094,566; Apr. 28; Gaz. vol. 201; p. 963.
- Hoffman, Frank, assignor to M. F. Hoffman, Cincinnati, Ohio. Governor for fire-engines. No. 1,093,585; Apr. 14; Gaz. vol. 201; p. 529.
- Hoffman, Fred. (See Hebern and Hoffman.)
- Hoffman, Fred, assignor, by mesne assignments, to H. & H. Patent-Developing Company, Oakland, Cal. Check-identifying machine. (Reissue.) No. 13,831; Nov. 24; Gaz. vol. 208; p. 1319.
- Hoffman, Frederick, Schenectady, assignor of one-half to V. Gobso, Fullers, N. Y. Combined washtub and wash-board. No. 1,119,696; Dec. 1; Gaz. vol. 209; p. 274.
- Hoffman, Frederick C., Thomaston, assignor to The Blake and Johnson Company, Waterbury, Conn. Nut-tapping machine. No. 1,111,833; Sept. 29; Gaz. vol. 206; p. 1208.
- Hoffman, Frederick C., assignor to Seth Thomas Clock Co., Thomaston, Conn. Case-back for nickel alarm-clocks. No. 1,120,651; Dec. 8; Gaz. vol. 209; p. 646.
- Hoffman, Frederick P., Uniontown, Pa. Toy gun. No. 1,091,512; Mar. 31; Gaz. vol. 200; p. 1136.
- Hoffman, Frederick P., Uniontown, Pa. Toy pistol. No. 1,103,416; July 14; Gaz. vol. 204; p. 460.
- Hoffman, George D., assignor to Norwall Manufacturing Company, Chicago, Ill. Air-valve for radiators. No. 1,083,933; Jan. 13; Gaz. vol. 198; p. 251.
- Hoffman, George D., assignor to Norwald Manufacturing Company, Chicago, Ill. Radiator-valve. No. 1,087,119; Feb. 17; Gaz. vol. 199; p. 631.
- Hoffman, George J., assignor of one-half to I. Goldman, Rochester, N. Y. Composite fabric. No. 1,119,697; Dec. 1; Gaz. vol. 209; p. 274.
- Hoffman, Harry G., and G. C. Eastin, Mount Sterling, Ky. Automatic alarm. No. 1,116,276; Nov. 3; Gaz. vol. 208; p. 275.
- Hoffman, Harry M., and W. B. Garrett, Caruthersville, Mo. Dental instrument. No. 1,109,924; Sept. 8; Gaz. vol. 206; p. 420.
- Hoffman Heater Company, The. (See Oehlke, Frederick H., assignor.)
- Hoffman, James L., Pleasant Lake, Ind. Tool. No. 1,088,990; Mar. 3; Gaz. vol. 200; p. 109.
- Hoffman, James L., Camas, Idaho. Railway safety appliance. No. 1,110,326; Sept. 15; Gaz. vol. 206; p. 602.
- Hoffman, John H., Port Huron, Mich. Barrel-stand. No. 1,111,796; Sept. 29; Gaz. vol. 206; p. 1196.
- Hoffman, John I., Arden, W. Va. Metal rail-tie. No. 1,105,432; July 28; Gaz. vol. 204; p. 1253.
- Hoffman, John J., Pittsburgh, assignor, by mesne assignments, to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,086,915; Feb. 10; Gaz. vol. 199; p. 511.
- Hoffman, John J., New Kensington, assignor, by mesne assignments, to P. H. Murphy Company, Parnassus, Pa. Metal car-roof. No. 1,092,484; Apr. 7; Gaz. vol. 201; p. 126.
- Hoffman, John J., New Kensington, assignor, by mesne assignments, to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,092,485; Apr. 7; Gaz. vol. 201; p. 126.
- Hoffman, John J., New Kensington, assignor, by mesne assignments, to P. H. Murphy Company, Parnassus, Pa. Manufacturing sheet-metal car-roof parts. No. 1,092,486; Apr. 7; Gaz. vol. 201; p. 126.
- Hoffman, John J., New Kensington, assignor, by mesne assignments, to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,114,987; Oct. 27; Gaz. vol. 207; p. 1038.
- Hoffman, Josef, Cleveland, Ohio. Variable-speed gearing. No. 1,113,629; Oct. 13; Gaz. vol. 207; p. 467.
- Hoffman, Joseph C., New York, N. Y. Spool. No. 1,113,345; Oct. 13; Gaz. vol. 207; p. 368.
- Hoffman, Joseph L., New Era, Oreg. Oil-burner. No. 1,087,767; Feb. 17; Gaz. vol. 199; p. 857.
- Hoffman, Joseph L., Portland, Oreg. Oil-burner. No. 1,087,768; Feb. 17; Gaz. vol. 199; p. 858.
- Hoffman, Joseph L., Portland, Oreg. Furnace. No. 1,115,672; Nov. 3; Gaz. vol. 208; p. 71.
- Hoffman, Lilburn T., Philadelphia, Pa., assignor to The Draper & Maynard Company, Plymouth, N. H. Inflatable playground-ball. No. 1,098,384; June 2; Gaz. vol. 203; p. 9.
- Hoffman, Martin H., Masontown, W. Va. Ladder. No. 1,093,419; Apr. 14; Gaz. vol. 201; p. 478.
- Hoffman, Michael F. (See Hoffman, Frank, assignor.)
- Hoffman, Morris J., Chicago, Ill. Coupon-register. No. 1,119,698; Dec. 1; Gaz. vol. 209; p. 274.
- Hoffman, Otto E., Chicago, Ill. Leather-sewing machine. No. 1,119,017; Dec. 1; Gaz. vol. 209; p. 41.
- Hoffman, Peter L., assignor to The Richards-Wilcox Manufacturing Company, Aurora, Ill. Sliding-door lock. No. 1,090,305; Mar. 17; Gaz. vol. 200; p. 650.
- Hoffman, Peter L., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Door-hanger. No. 1,090,306; Mar. 17; Gaz. vol. 200; p. 651.
- Hoffman, Peter L., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Door-bumper. No. 1,090,307; Mar. 17; Gaz. vol. 200; p. 651.
- Hoffman, Peter L., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Trolley-track. No. 1,116,425; Nov. 10; Gaz. vol. 208; p. 367.
- Hoffman, Peter L., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Door-hanger. No. 1,120,197; Dec. 8; Gaz. vol. 209; p. 484.
- Hoffman, Rudolph, Chicago, Ill. Means for controlling automatic water-heaters. No. 1,121,102; Dec. 15; Gaz. vol. 209; p. 852.
- Hoffman, Rudolph, assignor to Sears, Roebuck and Company, Chicago, Ill. Oil-stove. No. 1,092,261; Apr. 7; Gaz. vol. 201; p. 47.
- Hoffman, Rudolph, assignor to Sears, Roebuck and Company, Chicago, Ill. Blue-flame oil-burner. No. 1,092,262; Apr. 7; Gaz. vol. 201; p. 47.
- Hoffman, Rudolph, assignor to Sears, Roebuck and Company, Chicago, Ill. Oil-stove. No. 1,094,149; Apr. 21; Gaz. vol. 201; p. 764.
- Hoffman, Samuel O., San Francisco, Cal. Incandescent lamp. No. 1,083,325; Jan. 6; Gaz. vol. 198; p. 22.
- Hoffman, Samuel O., San Francisco, Cal. Incandescent lamp. No. 1,083,326; Jan. 6; Gaz. vol. 198; p. 23.
- Hoffman, Valentine, assignor of one-fourth to Selz Schwab & Company, Chicago, Ill. Controller for shoe machinery. No. 1,103,204; July 14; Gaz. vol. 204; p. 391.
- Hoffman, William M., Buffalo, N. Y. Rotary engine. No. 1,084,635; Jan. 20; Gaz. vol. 198; p. 515.
- Hoffman, Willis L., Jersey City, N. J. Pocket-clip for retaining articles. No. 1,102,922; July 7; Gaz. vol. 204; p. 243.
- Hoffmann, Ernst G., deceased, New Rochelle; A. W. Kiddle, New York, N. Y., and A. M. Becker, Frankfort-on-the-Main, Germany, executors. Cage for ball-bearings. No. 1,103,965; July 21; Gaz. vol. 204; p. 694.
- Hoffmann, Ernst G., deceased, New Rochelle; A. W. Kiddle, New York, N. Y., and A. M. Becker, Frankfort-on-the-Main, Germany, executors. Forming-dies. No. 1,106,564; Aug. 11; Gaz. vol. 205; p. 387.
- Hoffmann, Frances A. J., San Francisco, Cal. Educational game. No. 1,114,139; Oct. 20; Gaz. vol. 207; p. 685.
- Hoffmann, John P., Dubuque, Iowa. Horse-collar. No. 1,092,120; Mar. 31; Gaz. vol. 200; p. 1345.
- Hoffmann-La Roche Chemical Works. (See Elger, Franz, assignor.)
- Hoffmann-La Roche Chemical Works, The. (See Sprenger and Tschudi, assignors.)
- Hoffmann, Louis, Buffalo, N. Y. Holder for memorial tablets. No. 1,090,062; Mar. 10; Gaz. vol. 200; p. 524.
- Hoffmann, Mathias A. T., Campbellsport, Wis. Rotary internal-combustion engine. No. 1,121,628; Dec. 22; Gaz. vol. 209; p. 1069.
- Hoffmann, Morton G., Sioux Falls, S. D. Cover-opener for receptacles. No. 1,086,176; Feb. 3; Gaz. vol. 199; p. 212.
- Hoffmann, Oskar, Willich, near Crefeld, Germany. Ball-bearing with several rows of balls. No. 1,105,433; July 28; Gaz. vol. 204; p. 1253.
- Hoffmann, Simon, New York, N. Y., assignor, by mesne assignments, to Locomotive Superheater Company, Wilmington, Del. Boiler with fire-tube superheater. No. 1,104,756; July 21; Gaz. vol. 204; p. 967.
- Hoffmann, William F., assignor to F. Kuhn, Detroit, Mich. Thermostatic cut-out for electric circuits. No. 1,096,915; May 19; Gaz. vol. 202; p. 672.
- Hoffmann, William F., assignor to F. Kuhn, Detroit, Mich. Electrically-heated warming-pad. No. 1,096,916; May 19; Gaz. vol. 202; p. 672.
- Hoffmann, William H., New York, N. Y. Door-lock. No. 1,087,585; Feb. 17; Gaz. vol. 199; p. 794.
- Hofft, Frederic B. (See Duram and Hoff.)
- Hofheimer, Nathan. (See Liebmann, Alfred J., assignor.)
- Hofman, John, Rochester, N. Y., assignor, by mesne assignments, to S. D. Young, trustee, Grand Rapids, Mich. Display wardrobe-cabinet. No. 1,115,820; Nov. 3; Gaz. vol. 28; p. 118.
- Hofmann, Fritz, Munich, Germany, assignor to M. E. Bernhardt, New York, N. Y. Pocket fire or lighting appliance with pyrophoric metal. No. 1,086,175; Feb. 3; Gaz. vol. 199; p. 211.
- Hofmann, Fritz, and C. Coutelle, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Caoutchouc substance and making same. No. 1,084,333; Jan. 13; Gaz. vol. 198; p. 387.

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- Hofmann, Fritz, and C. Coutelle, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Vulcanized caoutchouc-like substance. No. 1,084,337; Jan. 13; Gaz. vol. 198; p. 388.
- Hofmann, Fritz, and C. Coutelle, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Production of caoutchouc substances. No. 1,113,630; Oct. 13; Gaz. vol. 207; p. 468.
- Hofmann, Fritz, and C. Coutelle, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Production of caoutchouc substances. No. 1,113,631; Oct. 13; Gaz. vol. 207; p. 468.
- Hofmann, Fritz, C. Coutelle, K. Delbrück, and K. Meisenburg, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Vulcanized caoutchouc-like substance. No. 1,084,335; Jan. 13; Gaz. vol. 198; p. 388.
- Hofmann, Fritz, C. Coutelle, K. Delbrück, and K. Meisenburg, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Vulcanized caoutchouc-like substance. No. 1,084,336; Jan. 13; Gaz. vol. 198; p. 388.
- Hofmann, Fritz, C. Coutelle, K. Delbrück, and K. Meisenburg, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Vulcanized caoutchouc-like substance. No. 1,084,338; Jan. 13; Gaz. vol. 198; p. 388.
- Hofmann, Herman, Fontanelle, Iowa. Grain-separator. No. 1,093,853; Apr. 21; Gaz. vol. 201; p. 665.
- Hofmann, Jacob, New York, N. Y. Burglar-alarm. No. 1,090,061; Mar. 10; Gaz. vol. 200; p. 524.
- Hofmann, Josef, Baumaroché, Switzerland. Pneumatic spring for vehicles. No. 1,094,567; Apr. 28; Gaz. vol. 201; p. 964.
- Hofmann, Wilhelm H., Hamburg, Germany. Deodorizing oleic and fatty acids derived from train or fish oils. No. 1,106,509; Aug. 11; Gaz. vol. 205; p. 366.
- Hofmann, William G., Milford, assignor to J. T. Wooster, Bridgeport, Conn. Brake-lining. No. 1,120,617; Dec. 8; Gaz. vol. 209; p. 633.
- Hofstatter, Edwin A., New York, N. Y. Chair, sofa, and similar furniture. No. 1,114,476; Oct. 20; Gaz. vol. 207; p. 808.
- Hogan, Daniel, St. Louis, Mo. Steam-generating apparatus. No. 1,103,205; July 14; Gaz. vol. 204; p. 392.
- Hogan, George F., Chicago, Ill. Closure for envelops. No. 1,105,785; Aug. 4; Gaz. vol. 205; p. 69.
- Hogan, George L., New York, N. Y., assignor of one-fourth to W. E. Holland and three-fourths to Aero Manufacturing Company, Chicago, Ill. Vapor-burning apparatus. No. 1,104,732; July 21; Gaz. vol. 204; p. 959.
- Hogan, Hugh J., assignor of one-sixth to P. M. Strub, Rochester, Pa. Hydraulic hand-tool. No. 1,120,717; Dec. 15; Gaz. vol. 209; p. 715.
- Hogan, James T., Jersey City, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Buttonhole-sewing machine. No. 1,085,910; Feb. 3; Gaz. vol. 199; p. 117.
- Hogan, Martin J., Canton, Ohio, assignor, by mesne assignments, to Avery Company, Peoria, Ill. Traction-engine. No. 1,098,365; May 26; Gaz. vol. 202; p. 1224.
- Hogan, Morgan, assignor to B. M. Crouse, Utica, N. Y. Union suit. No. 1,116,891; Nov. 10; Gaz. vol. 208; p. 536.
- Hogan, Peter E., Atlanta, Tex. Listing attachment for plows. No. 1,103,770; July 14; Gaz. vol. 204; p. 586.
- Hogan, William, Corinth, Ga. Animal-poke. No. 1,112,289; Sept. 29; Gaz. vol. 206; p. 1364.
- Hoge, August, New York, N. Y. Electric alarm. No. 1,084,800; Jan. 20; Gaz. vol. 198; p. 572.
- Hoge, Charles L., Cartersville, Mo. Means for separating ores. No. 1,104,117; July 21; Gaz. vol. 204; p. 745.
- Hoge, James B., Cleveland, Ohio. Railway-construction machinery. No. 1,108,578; Aug. 25; Gaz. vol. 205; p. 1186.
- Hoge, James B., Cleveland, Ohio. Railway-construction machine. No. 1,121,629; Dec. 22; Gaz. vol. 209; p. 1069.
- Hoge, Joseph F. D., New York, N. Y., assignor to The American District Telegraph Company. Electromagnetic relay. No. 1,085,810; Feb. 3; Gaz. vol. 199; p. 83.
- Hoge, Smith A., Rices Landing, Pa. Coke-oven. No. 1,099,703; June 9; Gaz. vol. 203; p. 502.
- Hoge, Smith A., Rices Landing, Pa. Means for generating steam. No. 1,118,202; Nov. 24; Gaz. vol. 208; p. 1073.
- Hogen, Charles C., Cleveland, Ohio. Coupling. No. 1,096,241; May 12; Gaz. vol. 202; p. 399.
- Hogg, George and K., Monahans, Tex. Motor. No. 1,091,575; Mar. 31; Gaz. vol. 200; p. 1157.
- Hogg, John N., Los Angeles, Cal. Auxiliary air-valve and decarbonizer for explosion-engines. No. 1,091,843; Mar. 31; Gaz. vol. 200; p. 1252.
- Hogg, Kelly. (See Hogg, George and K.)
- Höglund, Hans O., assignor to A/S. De Forenede Norske Laase- & Beslagfabriker, Christiania, Norway. Lock mechanism. No. 1,116,277; Nov. 3; Gaz. vol. 208; p. 275.
- Hogrebe, Arthur E., Philadelphia, Pa. Rail-fastening. No. 1,086,771; Feb. 10; Gaz. vol. 199; p. 462.
- Hohagen, Walter, Charlottenburg, assignor to Siemens-Schuckert Werke G. m. b. H., Berlin, Germany. Valveless pump for conveying gases. No. 1,107,425; Aug. 18; Gaz. vol. 205; p. 736.
- Hohaus, Theodore, assignor to Union Fibre Company, Winona, Minn. Machine for making fiber insulating-sheets. No. 1,105,786; Aug. 4; Gaz. vol. 205; p. 69.
- Hohmann, Charles, Newark, N. J. Attachment for shoe-stands. No. 1,093,699; Apr. 21; Gaz. vol. 201; p. 614.
- Hohmann, Charles, Newark, N. J. Printing device. No. 1,100,183; June 16; Gaz. vol. 203; p. 703.
- Hohmann, Richard K., San Diego, Cal. High-speed revolving-hook sewing-machine. No. 1,096,369; May 12; Gaz. vol. 202; p. 444.
- Hohmann, Richard K., assignor to National Sewing Machine Company, Belvidere, Ill. Rotary sewing-machine with chain-stitch attachment. No. 1,090,151; Mar. 17; Gaz. vol. 200; p. 596.
- Hohmann, Richard K., assignor to National Sewing Machine Company, Belvidere, Ill. Revolving-hook sewing-machine. No. 1,091,062; Mar. 24; Gaz. vol. 200; p. 941.
- Hohmann, Richard K., assignor to National Sewing Machine Company, Belvidere, Ill. Bobbin-holder for rotary-hook machines. No. 1,105,197; July 28; Gaz. vol. 204; p. 1167.
- Hohmann, Richard K., assignor to National Sewing Machine Company, Belvidere, Ill. Sewing-machine. No. 1,109,989; Sept. 8; Gaz. vol. 206; p. 442.
- Hohmann, Richard K., assignor to National Sewing Machine Company, Belvidere, Ill. Feed mechanism for sewing-machines. No. 1,110,629; Sept. 15; Gaz. vol. 206; p. 710.
- Höhn, Ernst O., Charlottenburg, Germany, assignor to General Electric Company. Turbine. No. 1,118,419; Nov. 24; Gaz. vol. 208; p. 1150.
- Hohn, John, Baldwin, Iowa. Wrench. No. 1,104,190; July 21; Gaz. vol. 204; p. 771.
- Hohner, Firm of M. (See Haussler, William J., assignor.)
- Holland, Albert, Nome, N. D. Freight-car door. No. 1,100,566; June 16; Gaz. vol. 203; p. 833.
- Hoines, Halvor E., Lake Park, Minn. Motor-vehicle. No. 1,087,372; Feb. 17; Gaz. vol. 199; p. 720.
- Hoines, Halvor E., Minneapolis, Minn. Grain-cleaning mill. No. 1,088,577; Feb. 24; Gaz. vol. 199; p. 1178.
- Hoisch, Herman. (See Steiner, Arthur L., assignor.)
- Hoit, Charles S., assignor to Newton & Hoyt Company, Chicago, Ill. Table. No. 1,094,900; Apr. 28; Gaz. vol. 201; p. 1082.
- Hoke, Harry A., Altoona, Pa. Locomotive-brake. No. 1,099,922; June 16; Gaz. vol. 203; p. 613.
- Hoke, Harry A., Altoona, Pa. Elliptical spring. No. 1,101,931; June 30; Gaz. vol. 203; p. 1411.
- Hoke, John I., assignor to Oliver Chilled Plow Works, South Bend, Ind. Pole or tongue construction. No. 1,094,330; Apr. 21; Gaz. vol. 201; p. 821.
- Hoke, John I., assignor to Oliver Chilled Plow Works, South Bend, Ind. Cultivator. No. 1,104,191; July 21; Gaz. vol. 204; p. 771.
- Hoke, Uriah, Cornwall, Pa. Filter. No. 1,112,212; Sept. 29; Gaz. vol. 206; p. 1338.
- Holbeche, Richard. (See Hazel and Holbeche.)
- Holbrook, Arthur E., Joplin, Mo. Aeroplane. No. 1,086,916; Feb. 10; Gaz. vol. 199; p. 512.
- Holbrook, Frank, assignor to Hamel Shoe Machinery Company, Lynn, Mass. Burnishing-machine. No. 1,113,216; Oct. 13; Gaz. vol. 207; p. 321.
- Holbrook, Frederick A., assignor to Caxton School Supply Company, Chicago, Ill. Blackboard-eraser. No. 1,093,625; Apr. 21; Gaz. vol. 201; p. 587.
- Holbrook, Robert A., Chicago Heights, assignor to Victor Chemical Works, Chicago, Ill. Baking preparation. No. 1,113,632; Oct. 13; Gaz. vol. 207; p. 468.
- Holbrook, William S. (See Dyer and Holbrook.)
- Holcomb, Abel P., East Randolph, N. Y. Washing-machine. No. 1,100,240; June 16; Gaz. vol. 203; p. 722.
- Holcomb, Guy H., Wenatchee, Wash. Safety device for automobiles. No. 1,115,939; Nov. 3; Gaz. vol. 208; p. 161.
- Holcombe, Jamie F., Los Angeles, Cal. Spring-clip and yoke. No. 1,091,513; Mar. 31; Gaz. vol. 200; p. 1137.
- Holdaway, Hall H., Salt Lake City, Utah, assignor to F. Spencer, Jr., Los Angeles, Cal. Button-sewing attachment. No. 1,108,074; Aug. 18; Gaz. vol. 205; p. 963.
- Holdaway, Hall H., and A. C. Candland, assignors to M. E. Holdaway, Salt Lake City, Utah. Electric-wire connection. No. 1,098,501; June 2; Gaz. vol. 203; p. 50.
- Holdaway, Mary E. (See Holdaway and Candland, assignors.)
- Holdaway, William S., and W. M. Ryan, Provo, Utah. Car. No. 1,083,831; Jan. 6; Gaz. vol. 198; p. 187.
- Holdfer, Robert H., Baltimore, Md. Carrier-pigeon signal. No. 1,118,283; Nov. 24; Gaz. vol. 208; p. 1101.
- Holden, Arthur P., assignor to The Holden-Morgan Company, Limited, Toronto, Ontario, Canada. Wrapper and folder. No. 1,085,261; Jan. 27; Gaz. vol. 198; p. 766.

Alphabetical list of patentees—Continued.

- Holden, Arthur P., and P. Morgan, assignors to The Holden-Morgan Company, Limited, Toronto, Ontario, Canada. Folder for wrapping-machines. No. 1,085,258; Jan. 27; Gaz. vol. 198; p. 765.
- Holden, Arthur P., and P. Morgan, assignors to The Holden-Morgan Company, Limited, Toronto, Ontario, Canada. Wrapping-machine. No. 1,085,259; Jan. 27; Gaz. vol. 198; p. 765.
- Holden, Arthur P., and P. Morgan, assignors to The Holden-Morgan Company, Limited, Toronto, Ontario, Canada. Wrapping-machine. No. 1,085,260; Jan. 27; Gaz. vol. 198; p. 766.
- Holden, Charles L., Indianapolis, Ind. Water-heating appliance. No. 1,098,902; June 2; Gaz. vol. 203; p. 185.
- Holden, Frank, London, England, assignor to General Electric Company. Electric clock. No. 1,111,383; Sept. 22; Gaz. vol. 206; p. 1014.
- Holden, George E. (See Boehme and Holden.)
- Holden, Jesse, *et al.* (See Vail and Smith, assignors.)
- Holden-Morgan Company, The. (See Holden, Arthur P., assignor.)
- Holden-Morgan Company, The. (See Holden and Morgan, assignors.)
- Holden-Morgan Company. (See Miller, Eiseck C., assignor.)
- Holden, Thomas D., Winooski, Vt. Attachment for carding-machines. No. 1,121,362; Dec. 15; Gaz. vol. 209; p. 941.
- Holder, Charles, Jr., New York, N. Y., assignor to Holder Welding Equipment Co. Blowpipe. No. 1,093,420; Apr. 14; Gaz. vol. 201; p. 479.
- Holder-Perkins Company. (See Perkins, Franklin J., assignor.)
- Holder Welding Equipment Co. (See Holder, Charles, Jr., assignor.)
- Holderness, Thomas B., De Kalb, Ill. Gas-burner attachment. No. 1,100,371; June 16; Gaz. vol. 203; p. 768.
- Holdsworth, Albert, Johannesburg, Transvaal, South Africa. Tube-cleaner. No. 1,112,008; Sept. 29; Gaz. vol. 206; p. 1266.
- Holdsworth, Fred, Philadelphia, Pa. Weather-strip. No. 1,085,044; Jan. 20; Gaz. vol. 198; p. 654.
- Holdsworth, Philip H. (See Williams, William E., assignor.)
- Holdsworth, Willie, assignor of one-half to H. Smith, Northboro, Mass. Disk cam for gill-drawing frames. No. 1,113,346; Oct. 13; Gaz. vol. 207; p. 369.
- Holek, John, and D. Schwartz, Milwaukee, Wis. Express-safe. No. 1,083,401; Jan. 8; Gaz. vol. 198; p. 48.
- Holeproof Hosiery Co. (See Peters, Herman, assignor.)
- Holgate Brothers Company. (See Turner, George A., assignor.)
- Holik, Frank, Prague, Okla. Tire-protector. No. 1,084,434; Jan. 13; Gaz. vol. 198; p. 419.
- Holinger, Emil F., McKeesport, Pa. Manufacturing seamless tubes. No. 1,103,966; July 21; Gaz. vol. 204; p. 695.
- Holinger, Emil F., McKeesport, Pa. Dies for manufacturing seamless tubes. No. 1,122,753; Dec. 29; Gaz. vol. 209; p. 1497.
- Holinka, George, Detroit, Mich. Automobile signal-lamp. No. 1,090,853; Mar. 24; Gaz. vol. 200; p. 868.
- Holinka, George, assignor of one-fourth to G. Gulyas and one-fourth to G. Gulyas, Detroit, Mich. Rail-joint. No. 1,088,150; Feb. 24; Gaz. vol. 199; p. 1038.
- Holladay, John M. (See Cannon and Holladay.)
- Holland, Ab, assignor of one-half to S. B. Trapp, Jr., Forrest City, Ark. Cultivator. No. 1,105,198; July 28; Gaz. vol. 205; p. 1168.
- Holland, Drussie S., *et al.* (See Coldiron, James L., assignor.)
- Holland, George R. (See McNamara, Harry J., assignor.)
- Holland, George W., Tombstone, Ariz. Pinch-bar. No. 1,094,992; Apr. 28; Gaz. vol. 201; p. 1115.
- Holland, Henry, Cleveland, Ohio. Window-catch. No. 1,097,228; May 19; Gaz. vol. 202; p. 783.
- Holland, Joseph E. (See Milton and Holland.)
- Holland, Julian, assignor of one-half to C. M. Wills, New York, N. Y. Closure for transoms, doors, windows, panels, &c. No. 1,091,844; Mar. 31; Gaz. vol. 200; p. 1253.
- Holland-Letz, Ludwig, assignor to J. H. McElroy, Chicago, Ill. Camera. No. 1,109,226; Sept. 1; Gaz. vol. 206; p. 131.
- Holland, Newman H., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,092,911; Apr. 14; Gaz. vol. 201; p. 305.
- Holland, Newman H., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,106,449; Aug. 11; Gaz. vol. 205; p. 342.
- Holland, Rose F., Hinsdale, N. H. Shoulder-clasp. No. 1,101,184; June 23; Gaz. vol. 203; p. 1102.
- Holland Sprinkler Company. (See Bennet, Gerard D.)
- Holland, Thomas B., Stratford, Wash. Wrench. No. 1,120,815; Dec. 15; Gaz. vol. 209; p. 750.
- Holland Trolley Supply Company, The. (See Bishop, Fred W., assignor.)
- Holland, William C., Niagara Falls, N. Y. Talking-machine attachment. No. 1,087,493; Feb. 17; Gaz. vol. 199; p. 762.
- Holland, William E., *et al.* (See Hogan, George L., assignor.)
- Holland, William H., Alderley Edge, England. Mud-guard for motor-vehicles. No. 1,107,949; Aug. 18; Gaz. vol. 205; p. 918.
- Hollander, Theron W., Fairfield, Iowa. Corner-shelf. No. 1,094,331; Apr. 21; Gaz. vol. 201; p. 821.
- Hollandt, Friedrich A., and J. W. Smith, Illon, N. Y. Gage. No. 1,107,789; Aug. 18; Gaz. vol. 205; p. 865.
- Hollar, William H. (See Rees, Walter, assignor.)
- Hollar, William H., Philadelphia, Pa. Automobile fuel-tank. No. 1,105,272; July 28; Gaz. vol. 204; p. 1195.
- Holle, Alexander A., Olst, Netherlands. Aeroplane. No. 1,115,073; Oct. 27; Gaz. vol. 207; p. 1070.
- Holle, Theodor L., St. Louis, Mo. Glass-melting furnace. No. 1,111,258; Sept. 22; Gaz. vol. 206; p. 972.
- Hollen, James H., Providence, R. I. Power-transmission mechanism. No. 1,083,402; Jan. 6; Gaz. vol. 198; p. 48.
- Hollenbeck, Albert B. (See Stewart and Hollenbeck.)
- Hollenberger, John A., Hagerstown, Md. Lead-pencil. No. 1,109,227; Sept. 1; Gaz. vol. 206; p. 132.
- Hollerith, Herman, Washington, D. C. Tabulating-machine. No. 1,087,061; Feb. 10; Gaz. vol. 199; p. 558.
- Hollerith, Herman, Washington, D. C. Apparatus for use in tabulating systems. No. 1,109,841; Sept. 8; Gaz. vol. 206; p. 388.
- Hollerith, Herman, Washington, D. C. Apparatus for perforating record-cards. No. 1,110,261; Sept. 8; Gaz. vol. 206; p. 539.
- Holley, Clifford D., assignor to Acme White Lead and Color Works, Detroit, Mich. Process of oxidizing lead. No. 1,116,702; Nov. 10; Gaz. vol. 208; p. 470.
- Holley, Clifford D., assignor to Acme White Lead and Color Works, Detroit, Mich. Furnace. No. 1,116,703; Nov. 10; Gaz. vol. 208; p. 470.
- Holley, Eugene H. (See Burley, Henry A., assignor.)
- Holley, Frank S., Stockton, Cal. Traveling harvester. No. 1,096,428; May 12; Gaz. vol. 202; p. 463.
- Holley, George M., Detroit, Mich. Carbureter. No. 1,121,630; Dec. 22; Gaz. vol. 209; p. 1070.
- Holley, Ulysses G., Sikeston, Mo. Shook. No. 1,114,614; Oct. 20; Gaz. vol. 207; p. 853.
- Holley, William, Chehalis, Wash. Trap. No. 1,122,202; Dec. 22; Gaz. vol. 209; p. 1263.
- Holliday, Charles O., assignor of one-half to J. A. Richter, Kearney, Nebr. Washing-machine. No. 1,102,268; July 7; Gaz. vol. 204; p. 16.
- Holliday, Ivar G., Boise, Idaho. Attachment for feeding cards to type-writers. No. 1,104,504; July 21; Gaz. vol. 204; p. 880.
- Holliday, James W., Liberty, S. C., assignor to Draper Company, Hopedale, Mass. Filling-severing device for looms. No. 1,092,263; Apr. 7; Gaz. vol. 201; p. 48.
- Hollidge, Frederick D., Washington, D. C. Air-craft. No. 1,112,615; Oct. 6; Gaz. vol. 207; p. 74.
- Hollifield, Horatio B., Washington, D. C. Practice apparatus for small-arms. No. 1,094,854; Apr. 28; Gaz. vol. 201; p. 1067.
- Hollinger, Michael, Duluth, Minn. Animal-trap. No. 1,122,391; Dec. 29; Gaz. vol. 209; p. 1371.
- Hollings, Harry, Edinburg, Scotland. Side-lay mechanism for printing, ruling, folding, and like machines. No. 1,092,912; Apr. 14; Gaz. vol. 201; p. 306.
- Hollings, Harry V., assignor of one-half to C. T. Jacobsen, San Francisco, Cal. Truck-tire. No. 1,106,812; Aug. 11; Gaz. vol. 205; p. 473.
- Hollingshead, Arthur W., Bloomsburg, Pa. Truck for automobiles. No. 1,098,262; May 26; Gaz. vol. 202; p. 1187.
- Hollingsworth, Charles M., Washington, D. C. Traveling-case. No. 1,094,207; Apr. 21; Gaz. vol. 201; p. 783.
- Hollingsworth, Charles M., Washington, D. C. Cuff-holder. No. 1,106,653; Aug. 11; Gaz. vol. 205; p. 418.
- Hollingsworth, Eli W., Zirconia, N. C. Plow. No. 1,108,174; Aug. 25; Gaz. vol. 205; p. 1045.
- Hollingsworth, George W., Cincinnati, Ohio. Printing-machine. No. 1,121,250; Dec. 15; Gaz. vol. 209; p. 902.
- Hollingsworth, Isaac N., Lauderdale, Miss. Portable water-heater. No. 1,097,629; May 26; Gaz. vol. 202; p. 965.
- Hollingsworth, Isaac N., Lauderdale, Miss. Fountain-brush. No. 1,097,630; May 26; Gaz. vol. 202; p. 965.
- Hollingsworth, Isaac N., Lauderdale, Miss. Bath-mat. No. 1,097,631; May 26; Gaz. vol. 202; p. 965.
- Hollingsworth, Jephtha G., Kansas City, Mo. Preparing dental fillings. No. 1,099,248; June 9; Gaz. vol. 203; p. 344.
- Hollingsworth, Jephtha G., Kansas City, Mo. Dental appliance. No. 1,101,439; June 23; Gaz. vol. 203; p. 1188.
- Hollingsworth, Kieve W., Columbia, S. C. Acetylene-gas generator. No. 1,089,218; Mar. 3; Gaz. vol. 200; p. 188.
- Hollingsworth and Vose Company, The. (See Sheehan, Owen, assignor.)
- Hollingsworth & Whitney Company. (See Stoble, William H., assignor.)
- Hollingsworth, William B. (See Noll and Hollingsworth.)
- Hollingsworth, Robert, Hamilton, Ontario, Canada. Portable wheeled toy. No. 1,090,308; Mar. 17; Gaz. vol. 200; p. 651.

Alphabetical list of patentees—Continued.

- Hollins, Denis M., Blackburn, England, assignor to Draper Company, Hopedale, Mass. Self-threading shuttle for looms for weaving. No. 1,091,432; Mar. 24; Gaz. vol. 200; p. 1064.
- Hollins, Frederick E., Winchester, Mass. Burial-casket. No. 1,119,283; Dec. 1; Gaz. vol. 209; p. 131.
- Hollis, Elbert H., assignor of forty-nine one-hundredths to J. Thomas, Kansas City, Kans. Beet-harvester. No. 1,092,216; Apr. 7; Gaz. vol. 201; p. 32.
- Hollis, Ezra, assignor of one-half to T. M. Foust, Oilfield, Ill. Corn-husking machine. No. 1,116,278; Nov. 3; Gaz. vol. 208; p. 276.
- Hollis, George T., Anniston, Ala. Animal-trap. No. 1,102,049; June 30; Gaz. vol. 203; p. 1454.
- Hollis, Henry L., Chicago, Ill. Railway-tie. No. 1,084,013; Jan. 13; Gaz. vol. 198; p. 279.
- Hollis, Henry L., Chicago, and F. O. Melcher, deceased, Winnetka, Ill.; E. L. Melcher, Coxsackie, N. Y., administratrix. Railway screw-spike-driving hand-tool. No. 1,099,442; June 9; Gaz. vol. 203; p. 412.
- Hollis, Thomas H., Pittsburgh, Pa. Gas and air mixer. No. 1,112,066; Sept. 29; Gaz. vol. 206; p. 1286.
- Hollister, Clarence P., Pittsfield, Mass., assignor to Remington Standard Motor Company, New York, N. Y. Transmission-controlling device. No. 1,095,575; May 5; Gaz. vol. 202; p. 138.
- Hollister, Clarence P., assignor to Smith & Baldrige Machine Company, Detroit, Mich. Reversing-gearing. No. 1,100,879; June 23; Gaz. vol. 203; p. 995.
- Holliwell, Charles. (See Whittaker and Holliwell.)
- Holloman, Alfred A., Dallas, Tex. Blow-out guard. No. 1,115,540; Nov. 3; Gaz. vol. 208; p. 26.
- Holloran, Thomas A., Washington, D. C. Apparatus for operating elevator-doors. No. 1,112,009; Sept. 29; Gaz. vol. 206; p. 1267.
- Holloway, George, Sandusky, Ohio. Internal-combustion engine. No. 1,103,047; July 14; Gaz. vol. 204; p. 334.
- Hollstein, Paul G., Carlstadt, N. J., assignor to J. M. Lehmann Company, New York, N. Y. Measuring-machine for liquid chocolate and similar articles. No. 1,096,242; May 12; Gaz. vol. 202; p. 400.
- Holly, Carlos, Lockport, assignor to F. N. Burt Company, Limited, Buffalo, N. Y. Cutting mechanism. No. 1,091,514; Mar. 31; Gaz. vol. 200; p. 1137.
- Holly, Ferdinand L., Brooklyn, N. Y. Collar-fastener. No. 1,092,049; Mar. 31; Gaz. vol. 200; p. 1319.
- Holm, Charlotte C., *et al.*, executors. (See Holm, Peter J.)
- Holm, Gustave H., Bridgeport, Conn. Means for protecting countersunk screw-heads. No. 1,105,658; Aug. 4; Gaz. vol. 205; p. 25.
- Holm, John H., *et al.*, executors. (See Holm, Peter J.)
- Holm, Peter J., deceased; C. C. and J. H. Holm, executors, assignors to Western Machine Manufacturing Company, Eau Claire, Wis. Gas-engine-governing mechanism. No. 1,099,249; June 9; Gaz. vol. 203; p. 344.
- Holman, Alfred W., St. Matthews, S. C. Automatic foldable cover. No. 1,108,757; Aug. 25; Gaz. vol. 205; p. 1247.
- Holman Brothers. (See Cock, Benjamin, assignor.)
- Holman, Edward E., Portland, Oreg. Oil-burner. No. 1,092,793; Apr. 7; Gaz. vol. 201; p. 229.
- Holman, John C., assignor of one-fourth to J. C. Hill and one-fourth to J. Kiyas, Kansas City, Mo. Switch-stand. No. 1,104,895; July 28; Gaz. vol. 204; p. 1065.
- Holman, Russell, Minneapolis, Minn. Roaster. No. 1,111,460; Sept. 22; Gaz. vol. 206; p. 1040.
- Holman, Russell, Minneapolis, Minn. Roaster. No. 1,111,461; Sept. 22; Gaz. vol. 206; p. 1041.
- Holmberg, August W. (See Dean and Holmberg.)
- Holmes, Alfred E., Chicago, Ill. Wrench. No. 1,117,574; Nov. 17; Gaz. vol. 208; p. 813.
- Holmes, Arnold H., Highland Park, and W. D. C. Wright, Philadelphia, Pa.; said Wright assignor to H. Henderson, Scotch Plains, N. J. Window-operating device. No. 1,117,575; Nov. 17; Gaz. vol. 208; p. 814.
- Holmes, Asa T., St. John, Wash. Steering device for cultivators. No. 1,093,421; Apr. 14; Gaz. vol. 201; p. 479.
- Holmes, Charles D., West Mystic, Conn. Life-boat. No. 1,119,755; Dec. 1; Gaz. vol. 209; p. 292.
- Holmes, Charles P., Lynn, assignor to S. W. Winslow, Beverly, Mass. Forming and setting chain-stitches. No. 1,096,532; May 12; Gaz. vol. 202; p. 498.
- Holmes, Charles P., Lynn, assignor to S. W. Winslow, Orleans, Mass. Chain-stitch sewing-machine. No. 1,116,353; Nov. 3; Gaz. vol. 208; p. 302.
- Holmes, Clay W., *et al.* (See Tree, Eber B., assignor.)
- Holmes Company. (See Holmes, Loring E., assignor.)
- Holmes, Edison, Northwilkboro, N. C. Truck. No. 1,100,702; June 16; Gaz. vol. 203; p. 877.
- Holmes, Edward L., Seattle, Wash. Gas-governor. No. 1,085,339; Jan. 27; Gaz. vol. 198; p. 793.
- Holmes, Fay P., Larned, Kans. Spring-wheel. No. 1,091,515; Mar. 31; Gaz. vol. 200; p. 1137.
- Holmes, Frank A., assignor to International Mausoleum Company, Chicago, Ill. Mausoleum-venting apparatus. No. 1,096,533; May 12; Gaz. vol. 202; p. 499.
- Holmes, Frank A. B., Chicago, Ill. Metallic bulb. No. 1,097,632; May 26; Gaz. vol. 202; p. 966.
- Holmes, Frank M., assignor to L. W. Thorp, Springfield, Mo. Storage battery. No. 1,116,818; Nov. 10; Gaz. vol. 208; p. 511.
- Holmes, Harry, Noyo, Cal. Cable-guide. No. 1,092,714; Apr. 7; Gaz. vol. 201; p. 203.
- Holmes, Henry C., Portland, Oreg. Removable waterproof lining. No. 1,092,105; Mar. 31; Gaz. vol. 200; p. 1339.
- Holmes, Henry H., Council Bluffs, Iowa. Guide for sharpening bits. No. 1,096,719; May 12; Gaz. vol. 202; p. 560.
- Holmes, Herbert. (See Matthews and Holmes.)
- Holmes, Homer E., Burlington, Vt. Cover for utensils. No. 1,109,990; Sept. 8; Gaz. vol. 206; p. 442.
- Holmes, Howard B., Park Ridge, and J. W. Harris, Wilmette, Ill., assignors to Western Electric Company. Insulating-coating and forming and applying the same. No. 1,101,281; June 23; Gaz. vol. 203; p. 1135.
- Holmes, Lawrence, Los Angeles, Cal. Upending bed. No. 1,102,585; July 7; Gaz. vol. 204; p. 128.
- Holmes, Leland, Lansing, Mich. Holding means for crank-carrying shafts. No. 1,120,495; Dec. 8; Gaz. vol. 209; p. 589.
- Holmes, Loring E., assignor to Holmes Company, Robinson, Me. Can-opener. No. 1,088,578; Feb. 24; Gaz. vol. 199; p. 1178.
- Holmes, Minot K., assignor to Hemingray Glass Company, Muncie, Ind. Rain-guard for insulators. No. 1,088,278; Feb. 24; Gaz. vol. 199; p. 1081.
- Holmes, Robert E. L., assignor to Keystone Driller Company, Beaver Falls, Pa. Valve for deep-well pumps. No. 1,107,426; Aug. 18; Gaz. vol. 205; p. 737.
- Holmes, Robert T., assignor to Robt. Holmes & Bros., Danville, Ill. Wrecking-truck. No. 1,117,049; Nov. 10; Gaz. vol. 208; p. 590.
- Holmes, Roy N., assignor to Advance Manufacturing Company, Minneapolis, Minn. Clothes-drier. No. 1,122,276; Dec. 29; Gaz. vol. 209; p. 1334.
- Holmes, Samuel, Elizabeth, N. J. Hull of steel ships. No. 1,089,135; Mar. 3; Gaz. vol. 200; p. 160.
- Holmes, Wesley H., Milwaukee, Wis. Measuring-faucet. No. 1,091,337; Mar. 24; Gaz. vol. 200; p. 1032.
- Holmes, William F., Brockton, Mass. Toy horse. No. 1,122,929; Dec. 29; Gaz. vol. 209; p. 1560.
- Holmes, William J., Toronto, Ontario, Canada. Saw-filing machine. No. 1,087,373; Feb. 17; Gaz. vol. 199; p. 720.
- Holmquist, Emil, Ironwood, Mich. Rail-joint. No. 1,101,441; June 23; Gaz. vol. 203; p. 1189.
- Holmquist, John A., Johnstown, Pa. Wire-netting machine. No. 1,089,054; Mar. 3; Gaz. vol. 200; p. 129.
- Holnagel, William A., assignor to Farmer's Handy Wagon Co., Saginaw, Mich. Stave-retaining device for silos. No. 1,106,383; Aug. 11; Gaz. vol. 205; p. 319.
- Holquist, Elmer. (See Ogden, Elmer D., assignor.)
- Holroyd, Thomas H., Southfields, England. Non-refillable bottle. No. 1,107,790; Aug. 18; Gaz. vol. 205; p. 865.
- Holroyd, Thomas H., Southfields, England. Smelting-furnace. No. 1,108,175; Aug. 25; Gaz. vol. 205; p. 1045.
- Holsclaw, Emmet B., Shepherdsville, Ky. Lineman's belt. No. 1,120,496; Dec. 8; Gaz. vol. 209; p. 589.
- Holsen, Joseph J., Manitowoc, Wis. Watch-charm. No. 1,107,950; Aug. 18; Gaz. vol. 205; p. 918.
- Holst, John, assignor to Byron Jackson Iron Works, Berkeley, Cal. Hay-fork. No. 1,093,422; Apr. 14; Gaz. vol. 201; p. 479.
- Holst, John C., Brooklyn, N. Y. Sawing-machine. No. 1,100,016; June 16; Gaz. vol. 203; p. 645.
- Holst, Lodewyk J. R., Lansdowne, assignor to Williams, Brown and Earle, Inc., Philadelphia, Pa. Machine for building up designs on cylindrical printing-surfaces. No. 1,107,520; Aug. 19; Gaz. vol. 205; p. 769.
- Holstein, Samuel, New York, N. Y. Undergarment. No. 1,104,047; July 21; Gaz. vol. 204; p. 722.
- Holstein, Samuel, New York, N. Y. Phonograph and graphophone disk holding cabinet. No. 1,122,277; Dec. 29; Gaz. vol. 209; p. 1334.
- Holt, Amos D., Hopkinton, assignor to P. E. Ginn, Winchester, Mass. Machine for transferring packaging-receptacles. No. 1,092,106; Mar. 31; Gaz. vol. 200; p. 1339.
- Holt, Benjamin, Stockton, Cal. Steering mechanism for traction-engines, &c. No. 1,111,961; Sept. 29; Gaz. vol. 206; p. 1251.
- Holt Caterpillar Co. (See Perry, George W., assignor.)
- Holt, Cornelius E., Washingtonville, and P. R. Rauch, assignors to The Leetonia Tool Company, Leetonia, Ohio. Drill-holding head for miners' drills. No. 1,085,811; Feb. 3; Gaz. vol. 199; p. 83.
- Holt, Eugene. (See Holt, Lafayette, assignor.)
- Holt, Gardner L., Hartford, Conn. Handle-fastening. No. 1,099,369; June 9; Gaz. vol. 203; p. 388.
- Holt, Harris B., Dormont borough, assignor to Rosedale Foundry & Machine Company, Pittsburgh, Pa. Stoker. No. 1,122,203; Dec. 22; Gaz. vol. 209; p. 1268.
- Holt, Harris B., Dormont borough, assignor to Rosedale Foundry & Machine Company, Pittsburgh, Pa. Chain conveyor. No. 1,122,204; Dec. 22; Gaz. vol. 209; p. 1269.
- Holt, James B., Pullman, Wash. Fruit-picking sack. No. 1,106,654; Aug. 11; Gaz. vol. 205; p. 419.
- Holt, Lafayette, Burlington, N. C. Rotary engine. No. 1,089,469; Mar. 10; Gaz. vol. 200; p. 319.

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- Holt, Lafayette, assignor of one-half to E. Holt, Burlington, N. C. Bobbin cleaner and polisher. No. 1,110,988; Sept. 15; Gaz. vol. 206; p. 834.
- Holt, Levi J., Glazier, Tex. Clutch. No. 1,122,502; Dec. 29; Gaz. vol. 209; p. 1409.
- Holt, Pliny E., Stockton, Cal. Traction-belt for tractors. No. 1,111,583; Sept. 22; Gaz. vol. 206; p. 1084.
- Holt, Theodore P. (See Christensen and Holt.)
- Holt, Theodore P. (See Dern and Holt.)
- Holt, Walter O., assignor to Livermore and Knight Company, Providence, R. I. Standard for electric lamps. No. 1,118,203; Nov. 24; Gaz. vol. 208; p. 1073.
- Holt, Willard E., *et al.* (See Carpenter, George W., assignor.)
- Holt, William, Chicago, Ill. Moistener. No. 1,099,979; June 16; Gaz. vol. 203; p. 631.
- Holt, William, Erdington, Birmingham, England. Dynamo-electric machine. No. 1,100,567; June 16; Gaz. vol. 203; p. 834.
- Holtby, Wilkie H., Martha, assignor of one-half to R. M. Simmons, Hobart, Okla. Lubricant-feed. No. 1,117,847; Nov. 17; Gaz. vol. 208; p. 911.
- Holtermann, August E., Depere, Wis. Four-wheel drive. No. 1,108,367; Aug. 25; Gaz. vol. 205; p. 1113.
- Holtermann, August E., De Pere, Wis. Differential gear. No. 1,119,284; Dec. 1; Gaz. vol. 209; p. 131.
- Holtfoth, Joachim T., Kalamazoo, Mich. Shutter-operating device. No. 1,104,118; July 21; Gaz. vol. 204; p. 745.
- Holthoff, Henry C., Riverside, Ill., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Timber-treating apparatus. No. 1,109,334; Sept. 1; Gaz. vol. 206; p. 170.
- Holtkamp, Henry H., Lakewood, Ohio. Pneumatic action. No. 1,100,568; June 16; Gaz. vol. 203; p. 834.
- Holtman, Axel R., Portland, Oreg., assignor of one-half to J. C. Harvey, Los Angeles, Cal. Shower-bath attachment. No. 1,086,709; Feb. 10; Gaz. vol. 199; p. 439.
- Holton Company, The. (See Bowen, Harry, assignor.)
- Holtzer-Cabot Electric Company, The. (See Durbin, Vernon, assignor.)
- Holtzer-Cabot Electric Company, The. (See Durbin and Ehrismann, assignors.)
- Holtzer-Cabot Electric Company. (See Hähnlen, Ewald, assignor.)
- Holtzer-Cabot Electric Company. (See Tormin, Egmont M., assignor.)
- Holtzman, John, assignor of one-half to J. Liskin, New York, N. Y. Gas-burner valve and lighter. (Reissue.) No. 1,3685; Feb. 10; Gaz. vol. 199; p. 570.
- Holtzman, John, and L. Gefon, New York, N. Y. Gas-lighter. No. 1,090,714; Mar. 17; Gaz. vol. 200; p. 790.
- Holtzmann, John, deceased, Baltimore, Md.; L. Holtzmann, executrix. Thread-drawing attachment for sewing-machines. No. 1,106,813; Aug. 11; Gaz. vol. 205; p. 473.
- Holtzmann, Louise, executrix. (See Holtzmann, John.)
- Holub, Charles J., Newport, Ky., assignor to The Williamson Heater Company, Cincinnati, Ohio. Hot-air-conductor pipe. No. 1,122,392; Dec. 29; Gaz. vol. 209; p. 1372.
- Holub, Charles J., Newport, Ky., assignor to The Peck-Williamson Heating & Ventilating Company, Cincinnati, Ohio. Sheet-metal cutter. No. 1,122,598; Dec. 29; Gaz. vol. 209; p. 1443.
- Holub-Dusha Company. (See Dusha, Feyk, and Komaucsek, assignors.)
- Holub, Henry, Louise, Tex. Horse-releaser. No. 1,092,993; Apr. 14; Gaz. vol. 201; p. 332.
- Holverson, Alexander O., deceased; M. A. Holverson, New York, N. Y., executrix. Detachable cuff. No. 1,097,024; May 19; Gaz. vol. 202; p. 711.
- Holverson, Mary A., executrix. (See Holverson, Alexander O.)
- Holway, William N., Los Angeles, Cal. Means for preserving bodies. No. 1,087,448; Feb. 17; Gaz. vol. 199; p. 748.
- Holworthy, Herbert F., Church Stretton, England. Exercising apparatus. No. 1,104,505; July 21; Gaz. vol. 204; p. 880.
- Holz, John W., Detroit, Mich. Radiator. No. 1,116,426; Nov. 10; Gaz. vol. 208; p. 367.
- Holz, Otto, Schenectady, N. Y., assignor to General Electric Company. Asymmetrical vapor-conducting medium for alternating currents. No. 1,119,600; Dec. 1; Gaz. vol. 209; p. 241.
- Holzappel, Georg, Essen-on-the-Ruhr, Germany. Rotary jet-pump. No. 1,085,045; Jan. 20; Gaz. vol. 198; p. 654.
- Holzappel, Georg, Essen-on-the-Ruhr, Germany. Apparatus for compressing gases and vapors. No. 1,085,046; Jan. 20; Gaz. vol. 198; p. 654.
- Holzberg, Abraham, Superior, Wis. Fastener. No. 1,084,339; Jan. 13; Gaz. vol. 198; p. 389.
- Holzel, Berthold, New York, N. Y. Attachment for finger-rings. No. 1,106,814; Aug. 11; Gaz. vol. 205; p. 473.
- Holzemer, Peter C., and D. Zemborski, Hastings, Minn. Shoe-stretcher. No. 1,097,437; May 19; Gaz. vol. 202; p. 855.
- Holzhauser, Joseph C. (See Kenney and Holzhauser.)
- Holzman, Morris A., New York, N. Y. Safety device for self-propelled vehicles. No. 1,094,901; Apr. 28; Gaz. vol. 201; p. 1082.
- Holzwarth, Edward, Miller, S. D. Engine-muffler. No. 1,084,883; Jan. 20; Gaz. vol. 198; p. 600.
- Holzwarth, Hans, Mülheim-on-the-Ruhr, Germany. Apparatus for actuating and governing parts of gas-turbines and other motive-power devices. No. 1,084,740; Jan. 20; Gaz. vol. 198; p. 552.
- Holzwarth, Hans, Baden, assignor of one-half to E. Jung-hans, Württemberg, Germany. Gas-turbine plant. No. 1,089,055; Mar. 3; Gaz. vol. 200; p. 130.
- Holzwarth, Hans, Mannheim, assignor of one-half to E. Jung-hans, Schramberg, Germany. Gas-turbine. No. 1,113,347; Oct. 13; Gaz. vol. 207; p. 369.
- Holzworth, Edward, Alliance, Ohio. Spark-plug. No. 1,093,423; Apr. 14; Gaz. vol. 201; p. 480.
- Homans, Thomas S., Hempstead, assignor to International Typesetting Machine Company, New York, N. Y. Linotype-machine. No. 1,092,715; Apr. 7; Gaz. vol. 201; p. 203.
- Homans, Thomas S., Hempstead, assignor to International Typesetting Machine Company, New York, N. Y. Keyboard mechanism for line-composing machines. No. 1,102,923; July 7; Gaz. vol. 204; p. 243.
- Homans, Thomas S., Hempstead, assignor to International Typesetting Machine Company, New York, N. Y. Vise for machines of the linotype class. No. 1,108,758; Aug. 25; Gaz. vol. 205; p. 1247.
- Homans, Thomas S., Hempstead, assignor to International Typesetting Machine Company, New York, N. Y. Linotype-machine. No. 1,116,279; Nov. 3; Gaz. vol. 208; p. 276.
- Homans, Thomas S., Hempstead, assignor to International Typesetting Machine Company, New York, N. Y. Linotype-machine. No. 1,116,280; Nov. 3; Gaz. vol. 208; p. 276.
- Homans, Thomas S., Hempstead, assignor to International Typesetting Machine Company, New York, N. Y. Linotype-machine. No. 1,119,601; Dec. 1; Gaz. vol. 209; p. 241.
- Homans, Thomas S., Hempstead, assignor to International Typesetting Machine Company, New York, N. Y. Line-casting machine. No. 1,123,126; Dec. 29; Gaz. vol. 209; p. 1629.
- Homans, Thomas S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,101,282; June 23; Gaz. vol. 203; p. 1135.
- Homburg, Alfred J., Chicago, Ill. Match-safe. No. 1,106,218; Aug. 4; Gaz. vol. 205; p. 220.
- Home Canner Company. (See Flowers, Edgar L., assignor.)
- Home Creamery Manufacturing Company. (See Gardner, Harvey R., assignor.)
- Homer, John W., Greencastle, Pa. Trolley-wheel. No. 1,110,783; Sept. 15; Gaz. vol. 206; p. 763.
- Hommel, Richard F., San Francisco, Cal. Automatic parachute attachment for aeroplanes. No. 1,092,443; Apr. 7; Gaz. vol. 201; p. 111.
- Hommel, Richard F., San Francisco, Cal. Elevator attachment for hydroplanes. No. 1,098,627; June 2; Gaz. vol. 203; p. 93.
- Homrig, Charles A., Chicago, Ill. Advertising device. No. 1,118,488; Nov. 24; Gaz. vol. 208; p. 1176.
- Honigmann, Moritz, Würselen, near Aachen, Germany. Superheater for vapor and gases. No. 1,117,050; Nov. 10; Gaz. vol. 208; p. 590.
- Honiker, Charles D., assignor to Fulton Bag and Cotton Mills Co., Atlanta, Ga. Apparatus for marking warp-threads. No. 1,084,435; Jan. 13; Gaz. vol. 198; p. 419.
- Honiss, William H. (See Merritt and Honiss.)
- Honiss, William H. (See Sturtevant and Honiss.)
- Honiss, William H., Hartford, Conn., assignor to W. T. English, Hyde Park, Mass. Insert for concrete constructions. No. 1,110,440; Sept. 15; Gaz. vol. 206; p. 643.
- Honiss, William H., Hartford, Conn., assignor of one-half to Beech-Nut Packing Company, Canajoharie, N. Y., and one-fourth to W. A. Lorenz, Hartford, Conn. Apparatus for feeding tubes. No. 1,118,551; Nov. 24; Gaz. vol. 208; p. 1197.
- Honiss, William H., assignor of one-fourth to himself, one-fourth to W. A. Lorenz, Hartford, Conn., and one-half to Beech-Nut Packing Company, Canajoharie, N. Y. Pneumatic feeding. No. 1,118,552; Nov. 24; Gaz. vol. 208; p. 1198.
- Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Apparatus for electric ignition. No. 1,085,340; Jan. 27; Gaz. vol. 198; p. 793.
- Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Support for electric conductors. No. 1,089,642; Mar. 10; Gaz. vol. 200; p. 380.
- Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Electric condenser and constructing the same. No. 1,094,718; Apr. 28; Gaz. vol. 201; p. 1020.
- Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Sparking device for internal-combustion engines. No. 1,105,659; Aug. 4; Gaz. vol. 205; p. 26.

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- Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Apparatus for ignition of reversible internal-combustion motors. No. 1,105,787; Aug. 4; Gaz. vol. 205; p. 70.
- Honold, Gottlob F., Sheboygan, Wis. Undertaker's flower-display stand. No. 1,115,673; Nov. 3; Gaz. vol. 208; p. 71.
- Honolulu Iron Works Company. (See Ewart, Arthur F., assignor.)
- Honolulu Iron Works Company. (See Hedemann, Christian J., assignor.)
- Honour, Charles. (See Deuster and Honour.)
- Honsinger, Ornan A., Tacoma, Wash. Folding bed. No. 1,085,911; Feb. 3; Gaz. vol. 199; p. 117.
- Hook, Theodore, Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Secondary winding for induction-motors. No. 1,096,243; May 12; Gaz. vol. 202; p. 400.
- Hook, Theodore, Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Squirrel-cage winding for induction-motors. No. 1,096,840; May 19; Gaz. vol. 202; p. 645.
- Hook, Theodore, Coeln, Bayenthal, Germany, assignor to Westinghouse Electric and Manufacturing Company. Electrically-heated apparatus. No. 1,101,550; June 30; Gaz. vol. 203; p. 1279.
- Hook, Theodore, East McKeesport, Pa., assignor to Westinghouse Electric and Manufacturing Company. Winding for induction-motors. No. 1,112,452; Oct. 6; Gaz. vol. 207; p. 13.
- Hood, Alexander J., Muscoda, Wis. Milking-stool. No. 1,107,521; Aug. 18; Gaz. vol. 205; p. 769.
- Hood, Arthur M., Indianapolis, assignor to The Green-street Folding Box Machine Company. Crawfordsville, Ind. Wire-bound-box machine. No. 1,107,216; Aug. 11; Gaz. vol. 205; p. 613.
- Hood, Arthur N., *et al.* (See Davidson, John E., assignor.)
- Hood, Charles H., Somerville, assignor to H. P. Hood & Sons, Charlestown, Mass. Agitator for milk-tanks and the like. No. 1,111,715; Sept. 22; Gaz. vol. 206; p. 1130.
- Hood Rubber Co. (See Perrault, Joseph E., assignor.)
- Hood Rubber Co. (See Roper, Charles H., assignor.)
- Hood Rubber Co. (See Tousley and Roper, assignors.)
- Hood Rubber Company. (See Earle, Richard B., assignor.)
- Hood Rubber Company. (See Earle and Kyriakides, assignors.)
- Hood Rubber Company. (See Kyriakides, Lucas P., assignor.)
- Hood Rubber Company. (See Kyriakides and Earle, assignors.)
- Hooey, Wilbert, Toronto, Ontario, Canada. Knockdown counter. No. 1,099,980; June 16; Gaz. vol. 203; p. 632.
- Hoofer, Charles F., Spokane, Wash. Gasolene-lighter. No. 1,116,281; Nov. 3; Gaz. vol. 208; p. 277.
- Hook, Charles H., Pittsburgh, Pa. Gas-boller. No. 1,089,131; Mar. 3; Gaz. vol. 200; p. 158.
- Hook, Henry G., Chicago, Ill. Account-book. No. 1,083,280; Jan. 6; Gaz. vol. 198; p. 6.
- Hook, William, New York, N. Y. Window. No. 1,090,715; Mar. 17; Gaz. vol. 200; p. 790.
- Hook, William, assignor of one-third to R. D. Earl and one-third to E. S. McClure, Sidney, Ohio. Rip-saw shield. No. 1,090,063; Mar. 10; Gaz. vol. 200; p. 524.
- Hooker, Duncan C., Farmington, assignor to The Johns-Pratt Company, Hartford, Conn. Indicating means for inclosed fuses. No. 1,087,120; Feb. 17; Gaz. vol. 199; p. 631.
- Hooker, Duncan C., Farmington, assignor to The Johns-Pratt Company, Hartford, Conn. Terminal clip for fuse-blocks. No. 1,122,754; Dec. 29; Gaz. vol. 209; p. 1497.
- Hooker Electrochemical Company. (See Rowland, Jasper M., assignor.)
- Hooker Electrochemical Company. (See Townsend and Sperry, assignors.)
- Hooker, Joseph L., Anderson, Ind. Compression-tank. No. 1,114,358; Oct. 20; Gaz. vol. 207; p. 763.
- Hooker, Katharine J., Genesee, N. Y. Trays for incubators. No. 1,116,704; Nov. 10; Gaz. vol. 208; p. 471.
- Hooker, Leslie E., Barrington, and R. B. Hooker, East Providence, R. I. Apparatus for testing tubes. No. 1,101,932; June 30; Gaz. vol. 203; p. 1411.
- Hooker, Marcus C., Snohomish, Wash. Wrench. No. 1,101,442; June 23; Gaz. vol. 203; p. 1189.
- Hooker, Norman E., Vandalia, assignor of one-half to L. A. Prater, Centralia, Ill. Bag-lock. No. 1,083,612; Jan. 6; Gaz. vol. 198; p. 118.
- Hooker, Ross B. (See Hooker, Leslie E. and R. B.)
- Hooker, Thomas, Syracuse, N. Y. Speed-indicator. No. 1,086,665; Feb. 10; Gaz. vol. 199; p. 424.
- Hookey, Charles H. and S., Wyandotte, Mich., assignors to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Can-heading machine. No. 1,105,661; Aug. 4; Gaz. vol. 205; p. 26.
- Hookey, Samuel. (See Hookey, Charles H. and S.)
- Hooks, Charles A., Oxford, Fla. Bean-buller. No. 1,107,165; Aug. 11; Gaz. vol. 205; p. 596.
- Hooks, Jesse J., Run, Tex. Attachment for seed-planters. No. 1,102,924; July 7; Gaz. vol. 204; p. 243.
- Hooper, Charles R., Canastota, N. Y. Card-display rack. No. 1,087,235; Feb. 17; Gaz. vol. 199; p. 673.
- Hooper, Frances L., Plainfield, N. J. Bed attachment. No. 1,100,303; June 16; Gaz. vol. 203; p. 746.
- Hooper, James P., Germantown, Pa. Automatic bobbin-winding mechanism. No. 1,121,103; Dec. 15; Gaz. vol. 209; p. 852.
- Hooper, Rebecca E., Half Moon Bay, Cal. Sanitary drinking-cup and dispenser. No. 1,111,962; Sept. 29; Gaz. vol. 206; p. 1251.
- Hooper, Thomas D., Jr., Philadelphia, Pa. Amusement apparatus. No. 1,101,630; June 30; Gaz. vol. 203; p. 1307.
- Hooper, Thomas D., Jr., assignor to G. A. Reach, Philadelphia, Pa. Base-ball mitt. No. 1,087,292; Feb. 17; Gaz. vol. 199; p. 692.
- Hooper, William H., assignor to United Shoe Machinery Company, Boston, Mass. Insole-trimming machine. No. 1,097,633; May 26; Gaz. vol. 202; p. 966.
- Hoopes, Ernest A., Des Moines, Iowa. Electric hand-lamp and casing. No. 1,086,710; Feb. 10; Gaz. vol. 199; p. 440.
- Hoopes, Washington I., Jr., Ardmore, Pa. Timed controlling device. No. 1,118,772; Nov. 24; Gaz. vol. 208; p. 1271.
- Hoover, Archie B. (See Smith and Hoover.)
- Hoover, Archie B., Paola, Kans. Means for rewinding the films of motion-picture machines. No. 1,113,633; Oct. 13; Gaz. vol. 207; p. 468.
- Hoover Auxiliary Spring Company. (See Hoover, Thomas A., assignor.)
- Hoover, Benjamin, Meridian, Miss. Safety attachment for railway-cars. No. 1,093,854; Apr. 21; Gaz. vol. 201; p. 665.
- Hoover, Charles E., Strasburg, Pa. Washing-machine. No. 1,099,370; June 9; Gaz. vol. 203; p. 388.
- Hoover, David A., Portland, Ind. Oil-burner. No. 1,111,834; Sept. 29; Gaz. vol. 206; p. 1209.
- Hoover, Frank G., New Berlin, Ohio. Harness-saddle. No. 1,121,185; Dec. 15; Gaz. vol. 209; p. 881.
- Hoover, Frank K. (See Mason, Arthur J., assignor.)
- Hoover, Frank K. and A. J. Mason, Chicago, Ill. Drier. No. 1,085,126; Jan. 27; Gaz. vol. 198; p. 718.
- Hoover, George W., assignor to J. F. Mergen, Tipton, Kans. Disk-sharpening machine. No. 1,117,383; Nov. 17; Gaz. vol. 208; p. 748.
- Hoover, Harry B., Chicago, Ill. Welding-torch. No. 1,092,913; Apr. 14; Gaz. vol. 201; p. 306.
- Hoover, Ira E. (See McBride and Hoover.)
- Hoover, Joseph J., and W. Whitfield, Steubenville, Ohio, assignors to The National Reflector Company, Clarksburg, W. Va. Reflector attachment. No. 1,083,895; Jan. 6; Gaz. vol. 198; p. 205.
- Hoover, Joseph W., Winfield, Kans. Corn-topper. No. 1,099,501; June 9; Gaz. vol. 203; p. 431.
- Hoover, Luther E., Wooster, Ohio. Electric lantern for vehicles. No. 1,096,534; May 12; Gaz. vol. 202; p. 499.
- Hoover, Theodore J. (See Nutter and Hoover.)
- Hoover, Thomas A., Fresno, Cal. Bumper for vehicles. No. 1,105,974; Aug. 4; Gaz. vol. 205; p. 136.
- Hoover, Thomas A., Fresno, assignor to Hoover Auxiliary Spring Company, San Francisco, Cal. Vehicle-spring. No. 1,114,359; Oct. 20; Gaz. vol. 207; p. 763.
- Hope Engineering and Supply Company. (See Diescher, Samuel E. and A. J., assignors.)
- Hope, Erwin T., assignor to A. L. Heston, Philadelphia, Pa. Starting-mechanism-locking means for automobiles. No. 1,083,613; Jan. 6; Gaz. vol. 198; p. 118.
- Hope, John T., Kansas City, Mo. Vacuum-cleaner tool. No. 1,086,367; Feb. 10; Gaz. vol. 199; p. 321.
- Hope-Jones, Cecil, administrator. (See Hope-Jones, Robert.)
- Hope-Jones, Robert, deceased, North Tonawanda, N. Y.; C. Hope-Jones, administrator. Automatic door-operating mechanism. No. 1,119,080; Dec. 1; Gaz. vol. 209; p. 64.
- Hope-Jones, Robert, deceased, North Tonawanda, N. Y.; C. Hope-Jones, administrator. Releasing device for organ-stop-keys. No. 1,121,586; Dec. 15; Gaz. vol. 209; p. 1019.
- Hope-Jones, Robert, assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Piano-pedal. No. 1,089,056; Mar. 3; Gaz. vol. 200; p. 130.
- Hope-Jones, Robert, assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Snare-drum damper. No. 1,091,433; Mar. 24; Gaz. vol. 200; p. 1064.
- Hope-Jones, Robert, assignor to Rudolph Wurlitzer Mfg. Company, North Tonawanda, N. Y. Shutter for sound-proof boxes. No. 1,110,441; Sept. 15; Gaz. vol. 206; p. 643.
- Hope-Jones, Robert, assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Stop-operating device for musical instruments. No. 1,113,439; Oct. 13; Gaz. vol. 207; p. 403.

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- Hope-Jones, Robert, assignor to The Rudolph Wurlitzer Manufacturing Co., North Tonawanda, N. Y. Combination stop mechanism for organs. No. 1,119,602; Dec. 1; Gaz. vol. 209; p. 242.
- Hope, William H., Providence, R. I. Pantograph engraving-machine. No. 1,117,672; Nov. 17; Gaz. vol. 208; p. 850.
- Hopewell, Frank B., trustee. (See Elwell, George H., assignor.)
- Hopkes, Henry, assignor of one-half to R. F. Hartenstein and one-half to A. F. Saenger, Detroit, Mich. Rotary valve for engines. No. 1,098,574; June 2; Gaz. vol. 203; p. 77.
- Hopkins, Alfred, assignor, by mesne assignments, to Bill Deezy Company, Boston, Mass. Construction member. No. 1,092,217; Apr. 7; Gaz. vol. 201; p. 32.
- Hopkins, Alfred, assignor to Innovation Specialty Company, Boston, Mass. Milk-bottle stopper. No. 1,108,842; Aug. 25; Gaz. vol. 205; p. 1276.
- Hopkins, Cary N., Pasadena, and R. T. Frank, Los Angeles, Cal. Carton. No. 1,092,528; Apr. 7; Gaz. vol. 201; p. 139.
- Hopkins, Cecil F., *et al.* (See Ellis, Ed, assignor.)
- Hopkins, Charles E., Worcester, Mass., assignor, by mesne assignments, of one-half to F. Wesel Manufacturing Company, Brooklyn, N. Y. Stereotyping apparatus. No. 1,092,264; Apr. 7; Gaz. vol. 201; p. 48.
- Hopkins, Charles L., Binghamton, N. Y. Photographic-film pack. No. 1,103,417; July 14; Gaz. vol. 204; p. 461.
- Hopkins, Charles R., Dobbin, assignor of one-half to B. Wilson, Mill Creek, W. Va. Offset mechanism for sawmill-carriages. No. 1,122,755; Dec. 29; Gaz. vol. 209; p. 1498.
- Hopkins, Emily K., Cincinnati, Ohio. Blackboard. No. 1,099,748; June 9; Gaz. vol. 203; p. 516.
- Hopkins, Evan H. (See Jockers, George W., assignor.)
- Hopkins, Ezra F., Chicago, Ill. Fluid-fuel feeder. No. 1,114,764; Oct. 27; Gaz. vol. 207; p. 959.
- Hopkins, Frank H., Montreal, Quebec, Canada, assignor to Rodger Ballast Car Company, Chicago, Ill. Ballast-car. No. 1,086,051; Feb. 3; Gaz. vol. 199; p. 169.
- Hopkins, Frank H., Montreal, Quebec, Canada, assignor to National Dump Car Company, Chicago, Ill. Door. No. 1,099,878; June 9; Gaz. vol. 203; p. 560.
- Hopkins, Guy, deceased, Portland, Oreg.; H. M. Palmer, administrator. Support for electric service-wires. No. 1,084,147; Jan. 13; Gaz. vol. 198; p. 325.
- Hopkins, Harvey L., assignor of one-half to A. B. Glade, Chicago, Ill. Mowing-machine. No. 1,121,836; Dec. 22; Gaz. vol. 209; p. 1142.
- Hopkins, Henry E., Waverly, Tenn. Railway cattle-guard. No. 1,105,434; July 28; Gaz. vol. 204; p. 1254.
- Hopkins, Hubert, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Calculating-machine. No. 1,089,559; Mar. 10; Gaz. vol. 200; p. 351.
- Hopkins, Hubert, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Calculating-machine. No. 1,118,489; Nov. 24; Gaz. vol. 208; p. 1176.
- Hopkins, Jessie G., Flint, Mich. Composition of matter to be used for the preservation of meats. No. 1,098,575; June 2; Gaz. vol. 203; p. 77.
- Hopkins, John, Modesto, Cal. Power-adjuster for wind-mills. No. 1,087,881; Feb. 17; Gaz. vol. 199; p. 895.
- Hopkins, Lewis E., Cardiff, Wales. Hydraulic transmission. No. 1,091,137; Mar. 24; Gaz. vol. 200; p. 968.
- Hopkins, Myron H. (See Wagner and Hopkins.)
- Hopkins, Nevil M., Washington, D. C., assignor, by mesne assignments, to The Electric Tachometer Company, Philadelphia, Pa. Electromagnetic tachometer. No. 1,093,271; Apr. 14; Gaz. vol. 201; p. 429.
- Hopkins, Ralph, New York, N. Y. Safety jewel-box. No. 1,094,788; Apr. 28; Gaz. vol. 201; p. 1043.
- Hopkins, Ranold M., Portland, Oreg. Roof-edging. No. 1,090,985; Mar. 24; Gaz. vol. 200; p. 914.
- Hopkins, Solomon S. (See McIntosh and Hopkins.)
- Hopkins, Thomas M., Denver, Colo. Stovepipe. No. 1,111,384; Sept. 22; Gaz. vol. 206; p. 1014.
- Hopkins, William E., Pittsburgh, Pa. Non-refillable cigar-box. No. 1,093,855; Apr. 21; Gaz. vol. 201; p. 665.
- Hopkins, William J., Chicago, Ill. Dental instrument. No. 1,106,815; Aug. 11; Gaz. vol. 205; p. 473.
- Hopkins, William W., assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Calculating-machine. No. 1,085,912; Feb. 3; Gaz. vol. 199; p. 118.
- Hopkinson, Bertram, Cambridge, England. Cooling internal-combustion engines. No. 1,094,993; Apr. 28; Gaz. vol. 201; p. 1116.
- Hopkinson, Harry, *et al.* (See Bechler, Edward W., assignor.)
- Hopkinson, Joseph, assignor to The Computing Scale Company, Dayton, Ohio. Price-scale. No. 1,096,507; May 12; Gaz. vol. 202; p. 490.
- Hopkinson, Joseph, assignor to The Computing Scale Company, Dayton, Ohio. Weighing and counting scale. No. 1,110,262; Sept. 8; Gaz. vol. 206; p. 540.
- Hopp, Percy P., New York, N. Y. Awning. No. 1,119,161; Dec. 1; Gaz. vol. 209; p. 91.
- Hoppe, Charles, Cincinnati, Ohio. Acetylene-gas lamp. No. 1,094,902; Apr. 28; Gaz. vol. 201; p. 1082.
- Hoppe, William O., Los Angeles, Cal. Preboiler for steam-boilers. No. 1,089,643; Mar. 10; Gaz. vol. 200; p. 380.
- Hopper, Henry S., Detroit, Mich. Cotton-picker. No. 1,111,797; Sept. 29; Gaz. vol. 206; p. 1196.
- Hopper, James F., Sherman, Tex. Boll-cotton gin. No. 1,099,299; June 9; Gaz. vol. 203; p. 361.
- Hopper, William, Jefferson, Iowa. Collapsible life-boat. No. 1,106,307; Aug. 4; Gaz. vol. 205; p. 249.
- Hoppert, Arvin H., Ann Arbor, Mich. Pneumatic action. No. 1,087,769; Feb. 17; Gaz. vol. 199; p. 858.
- Hoppes, John J., assignor to The Hoppes Manufacturing Company, Springfield, Ohio. Water-distributor for feed-water heaters. No. 1,096,508; May 12; Gaz. vol. 202; p. 491.
- Hoppes Manufacturing Company, The. (See Hoppes, John J., assignor.)
- Hoppes, Odillon K., Tamaqua, Pa. Pneumatic tire. No. 1,115,430; Oct. 27; Gaz. vol. 207; p. 1192.
- Hopphan, John M., assignor to Lyon & Healy, Chicago, Ill. Knockdown piano. No. 1,084,088; Jan. 13; Gaz. vol. 198; p. 306.
- Hopfinger, Robert J., Cleveland, Ohio. Loose-leaf binder. No. 1,108,438; Aug. 25; Gaz. vol. 205; p. 1136.
- Hopson, Edwin S., Russellville, Ky. Container-stopper. No. 1,083,327; Jan. 6; Gaz. vol. 198; p. 23.
- Hopton, Stanley D. (See Pelton and Hopton.)
- Hopwood, James D., Birmingham, assignor of one-third to J. P. Russell, Jefferson county, Ala. Cranking device. No. 1,102,050; June 30; Gaz. vol. 203; p. 1454.
- Hopwood, James O., Primos, Pa. Hand-mimeograph. No. 1,113,634; Oct. 13; Gaz. vol. 207; p. 468.
- Horat, Joseph, La Fayette, Ind. Combined ladle and mold for soft-metal hammers. No. 1,095,866; May 5; Gaz. vol. 202; p. 235.
- Horch, George F., Ritzville, Wash. Header. No. 1,096,303; May 12; Gaz. vol. 202; p. 421.
- Horgan, William A. (See Hayes, Thomas J., assignor.)
- Horgan, William A. (See Moulton, Harley C., assignor.)
- Horlacher, George H., Portland, Oreg. Radiator. No. 1,111,225; Sept. 22; Gaz. vol. 206; p. 961.
- Hörlin, Erik A., Stockholm, Sweden. Buckle. No. 1,117,051; Nov. 10; Gaz. vol. 208; p. 590.
- Hormel, August. (See Wagner and Hormel.)
- Hormel, August, New York, N. Y. Grinding-machine. No. 1,108,176; Aug. 25; Gaz. vol. 205; p. 1045.
- Horn, Aaron C., New York, N. Y. Hardening cementitious materials. No. 1,114,140; Oct. 20; Gaz. vol. 207; p. 686.
- Horn, Abraham E., New York, N. Y. Waterproofing concrete. No. 1,088,022; Feb. 24; Gaz. vol. 199; p. 994.
- Horn, Albino R., Chicago, Ill. Railway-rail anchor. No. 1,122,757; Dec. 29; Gaz. vol. 209; p. 1499.
- Horn, Charles A., Chickasha, Okla. Ice-shaver. No. 1,107,070; Aug. 11; Gaz. vol. 205; p. 560.
- Horn, Earl D., Galion, Ohio. Burial-vault. No. 1,104,670; July 21; Gaz. vol. 204; p. 937.
- Horn, Ernest H., assignor to Waterbury Clock Co., Waterbury, Conn. Cannon-pinion for timepieces. No. 1,104,422; July 21; Gaz. vol. 204; p. 850.
- Horn, Felix B., and A. Wagner, assignors to Wagner Manufacturing Company, Cedar Falls, Iowa. Sheet-metal wheel. No. 1,102,193; June 30; Gaz. vol. 203; p. 1504.
- Horn, Guido, Weissensee, near Berlin, Germany. Rope-machine. No. 1,093,053; Apr. 14; Gaz. vol. 201; p. 353.
- Horn, John Q., assignor of one-half to P. Trama, Richmond, Va. Ventilating car-door. No. 1,122,930; Dec. 29; Gaz. vol. 209; p. 1560.
- Horn, Joseph V. (See Collias, Patrick J., assignor.)
- Horn, Valentine K., assignor of one-half to G. O. Ballinger, Richmond, Ind. Combined link and block for conveyers. No. 1,087,905; Feb. 17; Gaz. vol. 199; p. 904.
- Horn, William J., St. Joseph, Mo. Butcher's skewering-awl. No. 1,092,529; Apr. 7; Gaz. vol. 201; p. 140.
- Hornbeck, Henry S., Elizabeth, N. J. Mechanical musical instrument. No. 1,102,269; July 7; Gaz. vol. 204; p. 16.
- Hornbeck, John A., Hinsdale, Ill. Cultivator. No. 1,107,071; Aug. 11; Gaz. vol. 205; p. 560.
- Hornbeck, William M., Topeka, Kans. Automatic stock-feeder. No. 1,121,502; Dec. 15; Gaz. vol. 209; p. 989.
- Hornberger, Carl, assignor of one-half to P. S. Coulter, Homestead, Pa. Toy. No. 1,120,497; Dec. 8; Gaz. vol. 209; p. 590.
- Hornbostel, Edward A., Des Moines, Iowa. Tank. No. 1,086,711; Feb. 10; Gaz. vol. 199; p. 440.
- Horne, James. (See Dawson and Horne.)
- Horne, James T., Rock Ferry, England. Ship construction. No. 1,114,263; Oct. 20; Gaz. vol. 207; p. 731.
- Horne, John F., *et al.* (See Foss, Benjamin F., assignor.)
- Horne, William N., Boston, Mass. Making and attaching tongue-piece closures. No. 1,085,610; Feb. 3; Gaz. vol. 199; p. 11.
- Horner, David C., St. Johnsbury, Vt. Weighing-scale. No. 1,102,051; June 30; Gaz. vol. 203; p. 1455.
- Horner, William H. (See Cunningham and Horner.)

Alphabetical list of patentees—Continued.

- Horney, James E., Baltimore, Md. Lithographing process. No. 1,117,490; Nov. 17; Gaz. vol. 208; p. 785.
- Hornback, John G., Hawley, Pa. Gate for railway-crossings. No. 1,105,078; July 28; Gaz. vol. 204; p. 1128.
- Hornich, William, Jr., assignor to Bastian Brothers Company, Rochester, N. Y. Key-ring. No. 1,094,568; Apr. 28; Gaz. vol. 201; p. 964.
- Hornig, Heinrich, Mahlsdorf, near Berlin, Germany. Speedometer. No. 1,116,282; Nov. 3; Gaz. vol. 208; p. 277.
- Horning, Harry L., Waukesha, Wis. Governor for internal-combustion engines. No. 1,104,119; July 21; Gaz. vol. 204; p. 746.
- Hornquist, Frank, Mount Jewett, Pa. Sled. No. 1,090,152; Mar. 17; Gaz. vol. 200; p. 596.
- Hornstein, Fredrick C., Indianapolis, Ind. Insulated trolley-crossing. No. 1,105,662; Aug. 4; Gaz. vol. 205; p. 27.
- Hornung, Elias, West New York, N. J. Umbrella-stand. No. 1,117,491; Nov. 17; Gaz. vol. 208; p. 785.
- Hornung, John C., Chicago, Ill. Pressure and temperature control valve. No. 1,091,660; Mar. 31; Gaz. vol. 200; p. 1187.
- Hornung, John C., Chicago, Ill. Differential, pressure, and temperature control valve system. No. 1,100,077; June 16; Gaz. vol. 203; p. 666.
- Hornung, John C., Chicago, Ill. Condensation-meter. No. 1,114,360; Oct. 20; Gaz. vol. 207; p. 764.
- Horowitz, Sigmund, Lemberg, Austria-Hungary. Gasification apparatus. No. 1,105,975; Aug. 4; Gaz. vol. 205; p. 136.
- Horr, Myron E. and R. G., Ardley, British Columbia, Canada. Trap. No. 1,119,962; Dec. 8; Gaz. vol. 209; p. 400.
- Horr, Roswell G. (See Horr, Myron E. and R. G.)
- Horrocks, William, deceased, Herkimer; F. L. Yonker, Dolgeville, and W. C. Prescott, Herkimer, N. Y., executors. Regulator for water-heaters. No. 1,115,466; Oct. 27; Gaz. vol. 207; p. 1203.
- Horstfield, Alfred. (See Hodel, Joseph A., assignor.)
- Horst, George D., Seattle, Wash. Means for automatically inflating life-preservers. No. 1,118,420; Nov. 24; Gaz. vol. 208; p. 1150.
- Horst, Heinrich. (See Brune and Horst.)
- Horsting, Bernard F., St. Louis, Mo. Hide-stretcher. No. 1,088,279; Feb. 24; Gaz. vol. 199; p. 1081.
- Horstman, Frank J., Havana, assignor to Horstman Manufacturing Company, Chicago, Ill. Horological instrument. No. 1,085,206; Jan. 27; Gaz. vol. 198; p. 746.
- Horstman, Frank J., Havana, assignor of one-half to C. F. Woods, Chicago, Ill. Lantern-slide. No. 1,097,862; May 26; Gaz. vol. 202; p. 1047.
- Horstman, Horace G. (See Ross and Horstman.)
- Horstman Manufacturing Company. (See Horstman, Frank J., assignor.)
- Horstman, Theodore, *et al.* (See Ross and Horstman, assignors.)
- Horstmann, Edward F., Aurora, Ill. Third-rail cleaner. No. 1,112,616; Oct. 6; Gaz. vol. 207; p. 74.
- Horstmann, William H., Overbrook, Pa. Shock-absorber. No. 1,086,917; Feb. 10; Gaz. vol. 199; p. 512.
- Horton, A. D., *et al.* (See Hoelscher, Gottlieb H., assignor.)
- Horton, Albert J. (See Carpenter and Horton.)
- Horton, Albert J., White Plains, N. Y. Motor-controller. No. 1,122,931; Dec. 29; Gaz. vol. 209; p. 1560.
- Horton, Albert J., White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,104,800; July 28; Gaz. vol. 204; p. 1031.
- Horton, Albert J., White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,108,439; Aug. 25; Gaz. vol. 205; p. 1137.
- Horton, Albert J., White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,108,907; Sept. 1; Gaz. vol. 206; p. 16.
- Horton, Alfred K., Wichita, Kans. Duster. No. 1,100,658; June 16; Gaz. vol. 203; p. 863.
- Horton, Bryson D., Detroit, Mich. Indicating fuse-holder. No. 1,097,438; May 19; Gaz. vol. 202; p. 855.
- Horton, Bryson D., Detroit, Mich. Electrical switch. No. 1,114,988; Oct. 27; Gaz. vol. 207; p. 1039.
- Horton, Charles M., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Seam for sewed articles. No. 1,106,565; Aug. 11; Gaz. vol. 205; p. 387.
- Horton, Charles M., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Loop-taker mechanism for sewing-machines. No. 1,107,308; Aug. 18; Gaz. vol. 205; p. 692.
- Horton, Charles M., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Folder for heavy fabric. No. 1,118,284; Nov. 24; Gaz. vol. 208; p. 1101.
- Horton, Edmund P., Atlanta, Ga. Valve-motion case. No. 1,099,601; June 9; Gaz. vol. 203; p. 466.
- Horton, Irving, East Bridgewater, Mass., assignor of sixty one-hundredths to J. C. Schelter, Rochester, N. Y. Shoe. No. 1,115,467; Oct. 27; Gaz. vol. 207; p. 1204.
- Horton, James M., Marshall, Tex. Side frame for railway-trucks. No. 1,121,726; Dec. 22; Gaz. vol. 209; p. 1104.
- Horton, John T., New York, N. Y. Fall-rope carrier. No. 1,108,368; Aug. 25; Gaz. vol. 205; p. 1113.
- Horton, John T., New York, N. Y. Fall-rope carrier. No. 1,120,145; Dec. 8; Gaz. vol. 209; p. 464.
- Horton, John T., and T. E. McAvoy, New York, N. Y. Derrick. No. 1,116,427; Nov. 10; Gaz. vol. 208; p. 368.
- Horton Manufacturing Company. (See Van Wormer, Arba, assignor.)
- Horton, Samuel C., St. Paul, Minn. Box. No. 1,105,788; Aug. 4; Gaz. vol. 205; p. 70.
- Horty, George, Elkhart, Ind. Life-preserver. No. 1,108,177; Aug. 25; Gaz. vol. 205; p. 1046.
- Horvath, George, Cleveland, Ohio. Drapery-support for windows. No. 1,106,308; Aug. 4; Gaz. vol. 205; p. 249.
- Horvath, Guido von, Chicago, Ill. Embroidery-machine. No. 1,087,374; Feb. 17; Gaz. vol. 199; p. 720.
- Horvath, Peter P., Racine, Wis. Life-boat. No. 1,104,992; July 28; Gaz. vol. 204; p. 1097.
- Horvath, Peter P., Racine, Wis. Ship's davit. No. 1,112,139; Sept. 29; Gaz. vol. 206; p. 1311.
- Horvath, Sandor, assignor of one-half to S. Zsembery, New York, N. Y. Track-cleaner. No. 1,114,695; Oct. 20; Gaz. vol. 207; p. 880.
- Horvath, Stephen, Racine, Wis. Spring-beel construction. No. 1,108,369; Aug. 25; Gaz. vol. 205; p. 1114.
- Horwood, Edward J., Broken Hill, New South Wales, Australia. Separation of zinc-blende and other metalliferous constituents from ore concentrates and slimes by flotation or granulation. No. 1,108,440; Aug. 25; Gaz. vol. 205; p. 1137.
- Hosbach, Willard C. (See Williams, David S., assignor.)
- Hosceit, William J., Topeka, Kans., assignor to National Dump Car Company, Chicago, Ill. Dump-door-operating mechanism. No. 1,112,617; Oct. 6; Gaz. vol. 207; p. 74.
- Hosch, Walter E. (See Timberlake, Daniel T., assignor.)
- Hosfeld, George W. (See Burk, Sidney M., assignor.)
- Hosford, William F., Chicago, Ill., assignor to Western Electric Company, New York, N. Y. Process and machine for making switch parts. No. 1,090,618; Mar. 17; Gaz. vol. 200; p. 760.
- Hosford, William F., Chicago, Ill., assignor to Western Electric Company, New York, N. Y. Process and machine for forming and affixing switch-contacts. No. 1,090,619; Mar. 17; Gaz. vol. 200; p. 761.
- Hosier, Wesley, assignor of one-half to P. G. McKenna, Mercer, Wis. Extension pipe-tongs. No. 1,092,050; Mar. 31; Gaz. vol. 200; p. 1319.
- Hoskins, Frederick A., Dubuque, Iowa. Life-saving station for mines. No. 1,095,635; May 5; Gaz. vol. 202; p. 158.
- Hoskins, Lawrence, Plainville, Ill. Vehicle-wheel. No. 1,115,199; Oct. 27; Gaz. vol. 207; p. 1115.
- Hoskins and Sewell Limited. (See Lawrence, Alfred, assignor.)
- Hoskins, William, Chicago, Ill. Recovering tin. No. 1,088,422; Feb. 24; Gaz. vol. 199; p. 1128.
- Hosl, Joseph, Yankton, S. D. Plow. No. 1,099,300; June 9; Gaz. vol. 203; p. 361.
- Hosler, George W., Findlay, Ohio. Gas-lighter. No. 1,105,663; Aug. 4; Gaz. vol. 205; p. 27.
- Hosmer, Josephine C., Medford, Mass. Shoe. No. 1,118,130; Nov. 24; Gaz. vol. 208; p. 1049.
- Hosner, Ralph B. (See Malley, Brewer, and Hosner.)
- Hoss, Charles, assignor of one-half to H. J. Shaller, St. Louis, Mo. Fireproof material. No. 1,111,021; Sept. 22; Gaz. vol. 206; p. 890.
- Host, David E., E. W. Bower, and R. H. Gordon, Bowers-town, Ohio. Automatic stop and trip for cars. No. 1,098,153; May 26; Gaz. vol. 202; p. 1150.
- Hostedler, Josiah B., Eglon, W. Va. Whip-socket. No. 1,087,659; Feb. 17; Gaz. vol. 199; p. 823.
- Hooster, Manfred T., West Rutherford, N. J. Shoveling or mucking machine. No. 1,100,241; June 16; Gaz. vol. 203; p. 722.
- Hostetler, David W., Thompsettown, Pa. Railway cross-tie. No. 1,102,663; July 7; Gaz. vol. 204; p. 155.
- Hostetter, Frederick, Morristown, N. J. Holder for ice-cream freezers. No. 1,088,579; Feb. 24; Gaz. vol. 199; p. 1179.
- Hotchkiss, Paul M., assignor to National X-Ray Reflector Company, Chicago, Ill. Illuminating device. No. 1,100,880; June 23; Gaz. vol. 203; p. 995.
- Hotchkiss, Clarence F., Binghamton, N. Y. Journal-bearing. No. 1,116,065; Nov. 3; Gaz. vol. 208; p. 205.
- Hotchkiss, Isaac E., Kensington, Conn. Pocket-knife. No. 1,104,896; July 28; Gaz. vol. 204; p. 1066.
- Hotchkiss, Joseph J., Raleigh, N. C. Measuring-pump. No. 1,117,052; Nov. 10; Gaz. vol. 208; p. 591.
- Hothersall, John M., assignor to American Can Company, New York, N. Y. Bung-seal. No. 1,104,506; July 21; Gaz. vol. 204; p. 881.
- Hotpoint Electric Heating Company. (See Richardson, Earl H., assignor.)
- Hottel, Louis W., *et al.* (See Newsom, Joseph N., assignor.)
- Hottenstein, George E., and R. Z. Farmer, Bisbee, Ariz. Fluid-operated brake. No. 1,116,819; Nov. 10; Gaz. vol. 208; p. 511.
- Hotter, George. (See Johnson and Hotter.)

Alphabetical list of patentees—Continued.

- Hottinger, Max, Winterthur, Switzerland. Calorimeter for flowing liquids or gases. No. 1,088,280; Feb. 24; Gaz. vol. 199; p. 1081.
- Hottmann, Charles W., assignor of one-half to A. H. E. Juergens, Philadelphia, Pa. Chopping and mixing machine. No. 1,111,694; Sept. 22; Gaz. vol. 206; p. 1123.
- Hottmann, Charles W., assignor of one-half to A. H. E. Juergens, Philadelphia, Pa. Speed-changing mechanism. No. 1,113,635; Oct. 13; Gaz. vol. 207; p. 469.
- Hotz, Robert S. (See Bruman, Otto F., assignor.)
- Houchin-Aiken Company. (See Swane, Charles C., assignor.)
- Houchin, Louisa R., *et al.* (See Yates and Griswold, assignors.)
- Houck, Andrew. (See Sharp, Noah T., assignor.)
- Houck, John D., Chicago, Ill. Sealing device. No. 1,100,372; June 16; Gaz. vol. 203; p. 768.
- Houdaille, Maurice, assignor to La Societe Houdaille et Sabot, Paris, France. Shock-absorber. No. 1,087,017; Feb. 10; Gaz. vol. 199; p. 544.
- Hougen, Albert, Manitowoc, Wis. Grass-cutter. No. 1,115,314; Oct. 27; Gaz. vol. 207; p. 1154.
- Houget, Fernand, Verviers, and L. Rahier, Ensival-Verviers, assignors to Société Anonyme Vervietoise pour la Construction de Machines, Verviers, Belgium. Actuating means for the heddle-frames of weaving-loom. No. 1,090,536; Mar. 17; Gaz. vol. 200; p. 732.
- Hough, Arthur, Boyerbourg, Quebec, assignor to Curtis's and Harvey (Canada), Limited, Montreal, Quebec, Canada. Packing-machine. No. 1,119,162; Dec. 1; Gaz. vol. 209; p. 92.
- Hough, Azel C., Janesville, Wis. Shuttle mechanism. No. 1,103,586; July 14; Gaz. vol. 204; p. 521.
- Hough, Azel C., Janesville, Wis. Shuttle. No. 1,112,799; Oct. 6; Gaz. vol. 207; p. 136.
- Hough, Edward C., assignor to Daisy Manufacturing Company, Plymouth, Mich. Combined pea-shooting and pop gun. No. 1,114,615; Oct. 20; Gaz. vol. 207; p. 853.
- Hough, Edward S., San Francisco, Cal. Feed-water valve. No. 1,101,933; Jan. 30; Gaz. vol. 203; p. 1412.
- Hough, Henry L., Redlevel, Fla. Separating apparatus for turpentine. No. 1,092,051; Mar. 31; Gaz. vol. 200; p. 1320.
- Hough, Henry L., Redlevel, Fla. Turpentine-condenser. No. 1,092,052; Mar. 31; Gaz. vol. 200; p. 1320.
- Hough, Herbert D., Cranston, R. I., assignor to Wightman and Hough Company. Coin-holder. No. 1,119,511; Dec. 1; Gaz. vol. 209; p. 211.
- Hough, J. Lewis. (See Miller and Thorne, assignors.)
- Hough, J. Lewis. (See Thorne, Robert H., assignor.)
- Hough, William B., Chicago, Ill., assignor, by mesne assignments, to Patented Devices Company, Portland, Me. Reinforced concrete construction. No. 1,114,765; Oct. 27; Gaz. vol. 207; p. 959.
- Hough, William B., Chicago, Ill., assignor of one-half to F. C. Taxis, St. Louis, Mo., and one-half to Metal Building Materials Company. Reinforced concrete construction. No. 1,105,789; Aug. 4; Gaz. vol. 205; p. 71.
- Houghtling, William R. (See Healy, Patrick J., assignor.)
- Houghton, Carl R., assignor to The Connersville Blower Company, Connersville, Ind. Relief-valve. No. 1,087,906; Feb. 17; Gaz. vol. 199; p. 904.
- Houghton, Carl R., assignor to Connersville Blower Company, Connersville, Ind. Combination-pump. No. 1,101,493; June 23; Gaz. vol. 203; p. 1208.
- Houghton, David H., Stahl, Mo. Film-pack. No. 1,120,498; Dec. 8; Gaz. vol. 209; p. 590.
- Houghton, Genevieve, New York, N. Y., assignor to S. Sternberger, Philadelphia, Pa. Safety-pin. No. 1,099,650; June 9; Gaz. vol. 203; p. 482.
- Houghton, George H., Albany, N. Y. Surgical support for injured arms. No. 1,100,483; June 16; Gaz. vol. 203; p. 807.
- Houghton, Milford G., Webster Groves, Mo. Safety-balance. No. 1,088,991; Mar. 3; Gaz. vol. 200; p. 109.
- Houghton, Orley C., assignor to Bullock Tractor Company, Chicago, Ill. Traction-engine. No. 1,106,046; Aug. 4; Gaz. vol. 205; p. 162.
- Houghton, Orley C., assignor to Bullock Tractor Company, Chicago, Ill. Traction-engine. No. 1,107,791; Aug. 18; Gaz. vol. 205; p. 866.
- Houghton and Richards. (See Hunter, George C., assignor.)
- Houghton, Willard, Seattle, Wash. Car-stake. No. 1,101,185; June 23; Gaz. vol. 203; p. 1102.
- Houghton, Willard, Seattle, Wash. Car bunk and stake. No. 1,105,141; July 28; Gaz. vol. 204; p. 1148.
- Hounget, Pierre H., Vonda, Saskatchewan, Canada. Holder for cigars and cigarettes. No. 1,102,925; July 7; Gaz. vol. 204; p. 244.
- Hounsell, Herbert E. (See Saunders, David H., assignor.)
- Hout, Lester J., Blencoe, Iowa. Transmission and reversing gearing for engines. No. 1,091,338; Mar. 24; Gaz. vol. 200; p. 1032.
- Hourihan, Thomas, *et al.* (See Block, Abraham, assignor.)
- House, Daniel W., Mobridge, S. D. Tent-support. No. 1,113,898; Oct. 13; Gaz. vol. 207; p. 562.
- House, Henry A., Bridgeport, Conn. Machine for making paper receptacles. No. 1,113,217; Oct. 13; Gaz. vol. 207; p. 322.
- House, Henry A., Bridgeport, Conn. Drinking vessel. No. 1,117,848; Nov. 17; Gaz. vol. 208; p. 911.
- House, Henry A., Bridgeport, Conn. Tool for making paper receptacles. No. 1,122,393; Dec. 29; Gaz. vol. 209; p. 1372.
- House, Thomas M., Richmond, Va. Adjustable swinging window-sash. No. 1,105,199; July 28; Gaz. vol. 204; p. 1168.
- House, Herman. (See Park, Caught, and House.)
- House, Tomas F., Hurst, Mo. Hay-stacker. No. 1,104,671; July 21; Gaz. vol. 204; p. 937.
- Houser, Norman E., St. Louis, Mo. Rotary gas-engine. No. 1,119,699; Dec. 1; Gaz. vol. 209; p. 275.
- Household Products Mfg. Co., The. (See Loeber, Edgar O., assignor.)
- Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Needle-cylinder mechanism. No. 1,112,907; Oct. 6; Gaz. vol. 207; p. 173.
- Houseman, Joseph U., assignor of one-half to J. S. Moe, Chicago, Ill. Apparatus for exhibiting moving pictures. No. 1,089,219; Mar. 3; Gaz. vol. 200; p. 188.
- Houser, Arthur M., assignor to Crane Company, Chicago, Ill. Trap. No. 1,114,141; Oct. 20; Gaz. vol. 207; p. 686.
- Housh, Frank E., Winthrop, Mass. Loose-leaf book. No. 1,083,539; Jan. 6; Gaz. vol. 198; p. 93.
- Housh, Frank E., Winthrop, Mass. Wallet. No. 1,091,138; Mar. 24; Gaz. vol. 200; p. 969.
- Housh, Frank E., Winthrop, Mass. Disk-holder. No. 1,098,154; May 26; Gaz. vol. 202; p. 1150.
- Houskeeper, William G. (See Madden and Houskeeper.)
- Houskeeper, William G., Philadelphia, Pa., assignor to Westinghouse Lamp Company. Terminal device. No. 1,099,090; June 2; Gaz. vol. 203; p. 245.
- Houskeeper, William G., Philadelphia, Pa., assignor to Westinghouse Lamp Company. Electrical terminal device. No. 1,099,091; June 2; Gaz. vol. 203; p. 245.
- Houskeeper, William G., Philadelphia, Pa., and H. S. Dunning, New Dorp, N. Y., assignors to Westinghouse Lamp Company. Method of and means for determining the ratings of incandescent lamps. No. 1,091,661; Mar. 31; Gaz. vol. 200; p. 1188.
- Housman, James H., and C. F. Jordan, Clifton Forge, Va. Equalizer for car-trucks. No. 1,092,530; Apr. 7; Gaz. vol. 201; p. 140.
- Housman, Walter E., Scottdale, Pa. Safety appliance for mine-hoists. No. 1,100,304; June 16; Gaz. vol. 203; p. 746.
- Housman, Walter E., and G. E. Huttelmaier, Scottdale, Pa. Safety appliance for mine-shafts. No. 1,100,184; June 16; Gaz. vol. 203; p. 704.
- Houston, Dallas A., Springfield, Ill. Step-ladder. No. 1,109,228; Sept. 1; Gaz. vol. 206; p. 132.
- Houston, Edward D., Worcester, Mass. Collar and tie form. No. 1,098,800; June 2; Gaz. vol. 203; p. 150.
- Houston, Hugh, Lawrence, Mass. Sewing-machine. No. 1,103,587; July 14; Gaz. vol. 204; p. 522.
- Houston, James D., Nebraska City, Nebr. Nut-lock. No. 1,107,792; Aug. 18; Gaz. vol. 205; p. 866.
- Houston, James E. (See Klumph and Houston.)
- Houston, Jerome A., Springfield, Mo. Piston-holding tool. No. 1,090,537; Mar. 17; Gaz. vol. 200; p. 732.
- Houston, Jerome A., Springfield, Mo. Stop-pin for coupling-heads. No. 1,111,154; Sept. 22; Gaz. vol. 206; p. 936.
- Houston, Joseph A., Eureka Springs, Ark. Tester for blast-cavities. No. 1,112,699; Oct. 6; Gaz. vol. 207; p. 103.
- Houston, Percival T., London, England. Poking-hole for suction gas-producers. No. 1,115,200; Oct. 27; Gaz. vol. 207; p. 1115.
- Houston, Percival T., London, England. Suction gas-producer apparatus. No. 1,119,603; Dec. 1; Gaz. vol. 209; p. 242.
- Houston, Robert A., Clarkston, Wash. Emergency-brake for automobiles. No. 1,115,821; Nov. 3; Gaz. vol. 208; p. 119.
- Hout, Walter H., Warrensburg, Mo. Liquid-gage. No. 1,118,773; Nov. 24; Gaz. vol. 208; p. 1272.
- Houtz, John W., Portales, N. Mex. Wind-wheel. No. 1,099,602; June 9; Gaz. vol. 203; p. 466.
- Houze, Leon J., Point Marion, Pa. Manufacturing and tempering glass articles. No. 1,107,072; Aug. 11; Gaz. vol. 205; p. 560.
- Hovenden, George H., Elmwood, assignor of one-half to W. F. Meidroth, Peoria, Ill. Hydrocarbon-burner. No. 1,105,079; July 28; Gaz. vol. 204; p. 1128.
- Hoverson, Louis M., Brandon, S. D. Demountable rim. No. 1,113,899; Oct. 13; Gaz. vol. 207; p. 562.
- Hovey, Selden P., Los Angeles, Cal. Permutation-lock. No. 1,103,771; July 14; Gaz. vol. 204; p. 586.
- Hovey, Selden P., assignor of one-half to J. C. Spann, Los Angeles, Cal. Combination-lock. No. 1,107,793; Aug. 18; Gaz. vol. 205; p. 866.
- Hovey, Silas B., Kansas City, Kans. Curtain-supporter. No. 1,106,566; Aug. 11; Gaz. vol. 205; p. 387.
- Hovland, Abraham N., assignor to A/S Hovlands Radio-telegraf, Christiania, Norway. Type-printing telegraph apparatus for line and radio telegraphy. No. 1,111,695; Sept. 22; Gaz. vol. 206; p. 1123.

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- Hovorka, Anton, Chicago, Ill. Hinge. No. 1,089,707; Mar. 10; Gaz. vol. 200; p. 402.
- Hovorka, Anton, Chicago, Ill. Box - fastener. No. 1,089,708; Mar. 10; Gaz. vol. 200; p. 402.
- Howard, Alfred H. (See Stackpole, Charles F., assignor.)
- Howard, Allan C. (See Broadbridge and Howard.)
- Howard, Allen C., assignor to Minerals Separation Limited, London, England. Apparatus for agitating and aerating liquids or pulps. No. 1,084,210; Jan. 13; Gaz. vol. 198; p. 347.
- Howard, Benjamin F., assignor of one-half to J. W. Staub, Indianapolis, Ind. Lubricator. No. 1,086,052; Feb. 3; Gaz. vol. 199; p. 170.
- Howard, Benjamin F., assignor of one-half to J. W. Staub, Indianapolis, Ind. Lubricant-nebulizer. No. 1,089,411; Mar. 10; Gaz. vol. 200; p. 298.
- Howard, Charles L., Washington, D. C. Pneumatically-operated display device. No. 1,102,270; July 7; Gaz. vol. 204; p. 17.
- Howard, Charles P., assignor to James L. Howard & Company, Hartford, Conn. Door-lock. No. 1,099,301; June 9; Gaz. vol. 203; p. 362.
- Howard, Clarence H., and H. M. Pfleger, assignors to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,097,634; May 26; Gaz. vol. 202; p. 966.
- Howard, Clarence H., and H. M. Pfleger, St. Louis, Mo., assignors, by mesne assignments, to Commonwealth Steel Company. Six-wheel car-truck. No. 1,118,903; Nov. 24; Gaz. vol. 208; p. 1315.
- Howard, Columbus H. (See Kirby and Howard.)
- Howard, Cornelius, Gas, Kans. Road-scraper. No. 1,099,371; June 9; Gaz. vol. 203; p. 389.
- Howard, Fred R. (See Musgrove and Howard.)
- Howard, Frederick A., Reading, Pa. Chain-block hoist. No. 1,122,503; Dec. 29; Gaz. vol. 209; p. 1409.
- Howard, Frederick C., assignor of one-half to F. C. Dahlin, Spokane, Wash. Chronometric-spring indicator. No. 1,101,443; June 23; Gaz. vol. 203; p. 1189.
- Howard, George O. (See Boylan, George W., assignor.)
- Howard, George W., Enfield, Conn. Device for whirling photo-engravers' plates. No. 1,099,981; June 16; Gaz. vol. 203; p. 632.
- Howard, Guv C., Everett, Wash. Tube-mill. No. 1,113,120; Oct. 6; Gaz. vol. 207; p. 243.
- Howard, Guy C., Everett, Wash. Paper-pulp reducing and washing machine. No. 1,121,837; Dec. 22; Gaz. vol. 209; p. 1143.
- Howard, Henry, Boston, Mass. Making solid sodium bisulfite. No. 1,084,436; Jan. 13; Gaz. vol. 198; p. 419.
- Howard, Henry, Boston, Mass. Paint. No. 1,084,884; Jan. 20; Gaz. vol. 198; p. 600.
- Howard, Henry, Boston, Mass. Stable crystalline sodium bisulfite and producing same. No. 1,099,177; June 9; Gaz. vol. 203; p. 320.
- Howard, Henry, Boston, Mass. Making bisulfite of soda. No. 1,104,897; July 28; Gaz. vol. 204; p. 1066.
- Howard, Henry, Brookeville, Md. Drafting and plotting instrument. No. 1,090,064; Mar. 10; Gaz. vol. 200; p. 525.
- Howard, Hermon E., assignor to Weller Manufacturing Co., Chicago, Ill. Self-propelling tripper. No. 1,087,375; Feb. 17; Gaz. vol. 199; p. 721.
- Howard, James T., Warren, Md. Chicken feeder and exerciser. No. 1,099,443; June 9; Gaz. vol. 203; p. 412.
- Howard, Lemuel F., Edgewood Park, assignor to The Union Switch and Signal Company, Swissvale, Pa. Alternating-current-translating device. No. 1,116,283; Nov. 3; Gaz. vol. 208; p. 278.
- Howard, Leslie E., Lockport, N. Y., assignor to Simonds Manufacturing Company, Fitchburg, Mass. Making ingots. No. 1,089,560; Mar. 10; Gaz. vol. 200; p. 351.
- Howard, Leslie E., Lockport, N. Y., assignor to Simonds Manufacturing Company, Fitchburg, Mass. Making ingots. No. 1,089,561; Mar. 10; Gaz. vol. 200; p. 352.
- Howard, Leslie E., Lockport, N. Y., assignor to Simonds Manufacturing Company, Fitchburg, Mass. Apparatus for making ingots. No. 1,089,562; Mar. 10; Gaz. vol. 200; p. 352.
- Howard, Leslie E., Lockport, N. Y., assignor to Simonds Manufacturing Company, Fitchburg, Mass. Apparatus for making ingots. No. 1,089,563; Mar. 10; Gaz. vol. 200; p. 352.
- Howard, Pliny J., assignor to The National Malleable Castings Company, Cleveland, Ohio. Truck side frame. No. 1,104,672; July 21; Gaz. vol. 204; p. 938.
- Howard, Robert A., *et al.* (See Bahr, William F., assignor.)
- Howard, Tom, and G. B. Clegg, Providence, R. I. Sectional core for hollow rubber articles. No. 1,113,009; Oct. 6; Gaz. vol. 207; p. 208.
- Howard, William C., Kansas City, Mo. Tire-patch. No. 1,096,535; May 12; Gaz. vol. 202; p. 499.
- Howardsmith, Leighton. (See Land, Gordon, assignor.)
- Howarth, Albert, Providence, R. I. Carbureter. No. 1,105,200; July 28; Gaz. vol. 204; p. 1168.
- Howarth, Edward, Brooklyn, N. Y. Shooting-gallery. No. 1,091,339; Mar. 24; Gaz. vol. 200; p. 1033.
- Howarth, John H. (See Hamer and Howarth.)
- Howarth, Robert H., Rothschild, Wis. Core for paper-rolls. No. 1,118,860; Nov. 24; Gaz. vol. 208; p. 1301.
- Howatt, David E., Youngstown, Ohio. Milking device. No. 1,117,849; Nov. 17; Gaz. vol. 208; p. 912.
- Howd, William, St. Louis, Mo. Stovepipe-elbow. No. 1,101,283; June 23; Gaz. vol. 203; p. 1135.
- Howden, James, Glasgow, Scotland. Steam-generator. No. 1,116,428; Nov. 10; Gaz. vol. 208; p. 368.
- Howe, Adanirum J., assignor of one-half to H. S. McCrodden, Hartford, Conn. Trolley-harp. No. 1,101,284; June 23; Gaz. vol. 203; p. 1136.
- Howe, Arthur J., Pittsburgh, Pa. Standing-desk attachment for roll-top desks. No. 1,094,208; Apr. 21; Gaz. vol. 201; p. 783.
- Howe, Charles G., Macon, Mo. Shroud or other garment. No. 1,092,265; Apr. 7; Gaz. vol. 201; p. 48.
- Howe, David M., Bellevue borough, Pa. Protective compound for metal surfaces. No. 1,121,363; Dec. 15; Gaz. vol. 209; p. 941.
- Howe and Davidson Company. (See Davidson and Shotts, assignors.)
- Howe, Earl W., Washington, D. C. Cigar-support attachment. No. 1,090,716; Mar. 17; Gaz. vol. 200; p. 790.
- Howe, Edgar F., El Centro, Cal. Vehicle power-plant. No. 1,095,867; May 5; Gaz. vol. 202; p. 235.
- Howe, George E., assignor of one-half to J. N. Hackett, East Smethport, Pa. Horseshoe. No. 1,112,535; Oct. 6; Gaz. vol. 207; p. 44.
- Howe, George P., Boston, Mass. Magazine for rapid-fire arms. No. 1,119,756; Dec. 1; Gaz. vol. 209; p. 292.
- Howe, Glenn A., Salem, Oreg. Self-registering valve-stem. No. 1,086,296; Feb. 3; Gaz. vol. 199; p. 250.
- Howe, Henry M. (See Campbell, Hall, and Howe.)
- Howe, Henry M., Bedford Station, N. Y., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Manufacture of manganese steel from scrap. No. 1,117,384; Nov. 17; Gaz. vol. 208; p. 748.
- Howe, Henry M., Bedford Station, N. Y., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J. Manufacture of steel articles. No. 1,123,193; Dec. 29; Gaz. vol. 209; p. 1655.
- Howe, Leon S., New York, N. Y. Metallic door-mat. No. 1,104,757; July 21; Gaz. vol. 204; p. 967.
- Howe, Leon S., Hartford, assignor to The Stanley Works, New Britain, Conn. Box-strapping. (Reissue.) No. 1,1765; July 7; Gaz. vol. 204; p. 278.
- Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Electric signal mechanism. No. 1,092,266; Apr. 7; Gaz. vol. 201; p. 49.
- Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Relay-bond. No. 1,093,780; Apr. 21; Gaz. vol. 201; p. 638.
- Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Electric motor. No. 1,094,389; Apr. 21; Gaz. vol. 201; p. 841.
- Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Divided semi-automatic signal-lever. No. 1,103,206; July 14; Gaz. vol. 204; p. 392.
- Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Electric dynamo. No. 1,114,361; Oct. 20; Gaz. vol. 207; p. 764.
- Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Inherent-power return signal mechanism. No. 1,114,766; Oct. 27; Gaz. vol. 207; p. 960.
- Howell, Charles C., Red Rock, Pa. Belt-fastening device. No. 1,105,273; July 28; Gaz. vol. 204; p. 1195.
- Howell, Charles W., Jr., Newark, N. J. Propeller. No. 1,119,826; Dec. 8; Gaz. vol. 209; p. 354.
- Howell, Edgar A., Terrell, Tex. Luggage-carrier. No. 1,105,435; July 28; Gaz. vol. 204; p. 1254.
- Howell, Elizabeth E., Denver, Colo. Garment-fastening hook. No. 1,108,178; Aug. 25; Gaz. vol. 205; p. 1046.
- Howell, Frank S., New Rochelle, N. Y. Speed-check. No. 1,110,784; Sept. 15; Gaz. vol. 206; p. 763.
- Howell, George L., Munger, Mich. Rotary pump. No. 1,085,127; Jan. 27; Gaz. vol. 198; p. 719.
- Howell, Gerald A., Ithaca, N. Y., assignor to E. C. Atkins and Company, Indianapolis, Ind. Guard for hacksaws. No. 1,100,305; June 16; Gaz. vol. 203; p. 746.
- Howell, Israld G., Brooklyn, N. Y. Driven anchor. No. 1,086,053; Feb. 3; Gaz. vol. 199; p. 170.
- Howell, John B., Leavenworth, Kans. Electric railway-signal. No. 1,090,309; Mar. 17; Gaz. vol. 200; p. 651.
- Howell, John E. and W. H., Omaha, Nebr. Combined plug and faucet. No. 1,109,754; Sept. 8; Gaz. vol. 206; p. 358.
- Howell, John N., Sale Creek, Tenn. Propelling mechanism for boats. No. 1,122,932; Dec. 29; Gaz. vol. 209; p. 1560.
- Howell, Kenneth B., Schenectady, N. Y., assignor to General Electric Company. Resinous condensation product and making the same. No. 1,098,728; June 2; Gaz. vol. 203; p. 127.
- Howell, Lester B., Wilmington, N. C. Water-glass. No. 1,118,346; Nov. 24; Gaz. vol. 208; p. 1124.

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- Howell, Ralph D., Newark, N. J. Stretching and ironing table for laundries. No. 1,104,507; July 21; Gaz. vol. 204; p. 881.
- Howell, William H. (See Howell, John E. and W. H.)
- Howell, Zechariah M., Oceanpark, Cal. Garbage-wagon. No. 1,116,284; Nov. 3; Gaz. vol. 208; p. 278.
- Howells, Joseph C., Renton, Wash. Spring-wheel. No. 1,100,242; June 16; Gaz. vol. 203; p. 723.
- Howery, John W., Darlington, Wis. Transmission device. No. 1,096,720; May 12; Gaz. vol. 202; p. 560.
- Howes, Benjamin L., Denver, Colo. Bag-handle attachment. No. 1,096,429; May 12; Gaz. vol. 202; p. 464.
- Howes, Claude L., Boston, Mass. Hydrant. No. 1,086,825; Feb. 10; Gaz. vol. 199; p. 480.
- Howes, George W., assignor to Estate of P. D. Beckwith, Inc., Dowagiac, Mich. Heating-stove. No. 1,106,871; Aug. 11; Gaz. vol. 205; p. 493.
- Howie, Amy L., San Jose, Cal. Filtering drinking-cup. No. 1,091,845; Mar. 31; Gaz. vol. 200; p. 1253.
- Howland, William C. (See Marks and Helsel, assignors.)
- Howson, Ellis E., Salt Lake City, Utah. Extraction of precious metals from their carrier. No. 1,093,700; Apr. 21; Gaz. vol. 201; p. 615.
- Howson, Henry, Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Chain. No. 1,115,431; Oct. 27; Gaz. vol. 207; p. 1192.
- Hoxie, Kinney C., Duluth, Minn. Ladle-hook. No. 1,086,772; Feb. 10; Gaz. vol. 199; p. 462.
- Hoxie, William D., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. No. 1,102,407; July 7; Gaz. vol. 204; p. 66.
- Hoxworth, Edwin. (See Helmcamp and Hoxworth.)
- Hoye, Edmond, assignor of one-half to J. V. Langenfeld, Centralia, Ill. Frictional driving connection. No. 1,112,700; Oct. 6; Gaz. vol. 207; p. 104.
- Hoyland, Frederick. (See Fisher and Hoyland.)
- Hoyle, Howard E., Whittier, Iowa. Poultry-watering device. No. 1,114,264; Oct. 20; Gaz. vol. 207; p. 731.
- Hoynes Safety Powder Company. (See Waddell, William C., assignor.)
- Hoyt, Albert M. (See Matson, Carl A., assignor.)
- Hoyt, Alfred, Baltimore, Md. Whisk-broom holder. No. 1,106,219; Aug. 4; Gaz. vol. 205; p. 220.
- Hoyt, Gabriel P. B., New York, N. Y. Rotary valve. No. 1,091,340; Mar. 24; Gaz. vol. 200; p. 1033.
- Hoyt, John S., Darien, Conn. Plunger-elevator. No. 1,118,347; Nov. 24; Gaz. vol. 208; p. 1124.
- Hoyt, Matthew L., assignor to D. H. Burrell & Company, Little Falls, N. Y. Centrifugal liquid-separator. No. 1,121,364; Dec. 15; Gaz. vol. 209; p. 941.
- Hoyt Metal Company. (See Urban, William C., assignor.)
- Hoyt, William E., New York, N. Y. Sad-iron. No. 1,109,528; Sept. 1; Gaz. vol. 206; p. 234.
- Hoyt, Worthington. (See Harris, Charles R., assignor.)
- Hradiski, Jahn. (See Krompigel and Hradiski.)
- Hrubesky, Edward T., Schuyler, Nebr. Thill-coupling. No. 1,095,113; Apr. 28; Gaz. vol. 201; p. 1154.
- Hruby, Rudolph A., Cleveland, Ohio. Tire-holder. No. 1,108,843; Aug. 25; Gaz. vol. 205; p. 1277.
- Huard, Adolor D. (See Frank and Huard.)
- Hub, J. C. (See Case, Francis M., assignor.)
- Hub, John C., Lakewood, Ohio. Filing device. No. 1,109,631; Sept. 1; Gaz. vol. 206; p. 272.
- Hubbard, Albert S., Belleville, N. J., assignor to Gould Storage Battery Company. Electrical battery. No. 1,106,095; Aug. 4; Gaz. vol. 205; p. 179.
- Hubbard, Albert S., Belleville, N. J., assignor to Gould Storage Battery Company. Electrical system of distribution. No. 1,106,510; Aug. 11; Gaz. vol. 205; p. 366.
- Hubbard, Albert S., Belleville, N. J., assignor to Gould Storage Battery Company. Transformer. No. 1,112,908; Oct. 6; Gaz. vol. 207; p. 173.
- Hubbard, Andrew J., and C. A. Swanson, Jacksonville, Ill. Pneumatic pump. No. 1,109,419; Sept. 1; Gaz. vol. 206; p. 200.
- Hubbard, Arthur O., Minneapolis, Minn. Silo-door. No. 1,090,620; Mar. 17; Gaz. vol. 200; p. 761.
- Hubbard, Arthur O., assignor to Puffer-Hubbard Mfg. Co., Minneapolis, Minn. Folding crate. No. 1,113,636; Oct. 13; Gaz. vol. 207; p. 469.
- Hubbard, Charles G., assignor of one-half to R. D. Foster, San Diego, Cal. Concentrator. No. 1,088,423; Feb. 24; Gaz. vol. 199; p. 1129.
- Hubbard, Charles W., Jr., New York, N. Y. Producing boxes. No. 1,118,131; Nov. 24; Gaz. vol. 208; p. 1049.
- Hubbard, James W., Eau Claire, Wis. Railway-switch. No. 1,085,047; Jan. 20; Gaz. vol. 198; p. 654.
- Hubbard, Lemott D., Chicago, Ill. Pipe-coupling. No. 1,094,332; Apr. 21; Gaz. vol. 201; p. 821.
- Hubbell, Alexander E., Milford, Mich. Combined blotter-holder and hand-rest. No. 1,115,432; Oct. 27; Gaz. vol. 207; p. 1193.
- Hubbell, Daniel D., assignor to The White-Haines Optical Company, Columbus, Ohio. Shooting-glasses. No. 1,092,769; Apr. 7; Gaz. vol. 201; p. 221.
- Hubbell, Harry C., Newark, N. J. Storage-battery electrode and making same. No. 1,086,666; Feb. 10; Gaz. vol. 199; p. 425.
- Hubbell, Harry C., Newark, N. J. Storage-battery electrode and making same. No. 1,087,236; Feb. 17; Gaz. vol. 199; p. 673.
- Hubbell, Harry C., Newark, N. J. Making storage-battery electrodes. No. 1,087,237; Feb. 17; Gaz. vol. 199; p. 674.
- Hubbell, Harry C., Newark, N. J. Making filaments and filamentous plates for storage-battery electrodes. No. 1,088,343; Feb. 24; Gaz. vol. 199; p. 1102.
- Hubbell, Harry C., Newark, N. J. Making storage-battery electrode and manufacturing it. No. 1,094,903; Apr. 28; Gaz. vol. 201; p. 1083.
- Hubbell, Harry C., Newark, N. J. Making storage-battery electrodes. No. 1,104,898; July 28; Gaz. vol. 204; p. 1066.
- Hubbell, Harry C., Newark, N. J. Storage battery. No. 1,113,348; Oct. 13; Gaz. vol. 207; p. 369.
- Hubbell, Harvey, Bridgeport, Conn. Incandescent-lamp socket. No. 1,107,951; Aug. 18; Gaz. vol. 205; p. 918.
- Hubbell, Henry C., Newark, N. J. Making storage-battery electrodes. No. 1,092,267; Apr. 7; Gaz. vol. 201; p. 49.
- Hubbell, Silas. (See Larrabee, Clinton D., assignor.)
- Hubbell, Vincent B., New York, N. Y. Pool-ball. No. 1,108,441; Aug. 25; Gaz. vol. 205; p. 1137.
- Huber, Benno, Seattle, Wash. Producing a coffee substitute. No. 1,103,207; July 14; Gaz. vol. 204; p. 392.
- Huber, Jacques, Zurich, Switzerland. Pipe-bending device. No. 1,108,179; Aug. 25; Gaz. vol. 205; p. 1046.
- Huber Manufacturing Company, The. (See Brown and Garver, assignors.)
- Hubert, Conrad. (See Coleman, Clyde J., assignor.)
- Hubert, Conrad. (See Day, Albert V. T., assignor.)
- Hubert, Conrad. (See O'Neill, Henry G., assignor.)
- Hubert, Frederick. (See Schmidt and Hubert.)
- Hubert, Henry J. (See Hubert, John E. and H. J.)
- Hubert, John E. and H. J., Cooper, Tex. Cotton-stalk puller and cutter. No. 1,110,785; Sept. 15; Gaz. vol. 206; p. 764.
- Hubert, Theodore, Cranford, and C. E. Lockwood, Plainfield, N. J.; said Hubert assignor, by mesne assignments, to American Circular Loom Company, Portland, Me. Electric ignition system. No. 1,090,917; Mar. 24; Gaz. vol. 200; p. 890.
- Hubler, John F., near Fort Wayne, Ind. Wheel-plow. No. 1,108,579; Aug. 25; Gaz. vol. 205; p. 1187.
- Hublun, Martin, et al. (See Luther, Otto C., assignor.)
- Hübner, Ida M. M. E., Dresden, Germany. Interconvertible coverlet and wrapper. No. 1,102,408; July 7; Gaz. vol. 204; p. 66.
- Huch, Ernest, et al. (See Matson, Charles, assignor.)
- Huck, Albert. (See Westlake, Huck, and Isaacs.)
- Huck, John T., assignor of one-half to W. J. Flick, San Francisco, Cal. Packing. No. 1,118,861; Nov. 24; Gaz. vol. 208; p. 1301.
- Huckabay, Phillip T., Greenville, Ga. Well-bucket. No. 1,111,584; Sept. 22; Gaz. vol. 206; p. 1084.
- Hückel, Hugo, Neutitschein, Austria-Hungary. Slide-valve gear for four-stroke cycle explosion-engines. No. 1,088,580; Feb. 24; Gaz. vol. 199; p. 1179.
- Huckins, Arthur S., Philadelphia, Pa. Electric signaling device. No. 1,120,499; Dec. 8; Gaz. vol. 209; p. 590.
- Huckins, Irving W., Philadelphia, Pa. Envelop-blank printing or embossing machine. No. 1,118,009; Nov. 24; Gaz. vol. 208; p. 1006.
- Huddleston, Samuel L. (See Johnson, Richard H., assignor.)
- Huddleston, William R., Brownsville, Tex. Automatic drain-valve. No. 1,094,209; Apr. 21; Gaz. vol. 201; p. 784.
- Hudry, John, Hazleton, Pa. Spring bed-bottom. No. 1,101,934; June 30; Gaz. vol. 203; p. 1412.
- Hudry, John, Hazleton, Pa. Combined go-cart and crib. No. 1,119,604; Dec. 1; Gaz. vol. 209; p. 243.
- Hudson, Albert E., Calgary, Alberta, Canada. Trip device. No. 1,112,453; Oct. 6; Gaz. vol. 207; p. 13.
- Hudson, Albert E., Calgary, Alberta, Canada. Sanding device. No. 1,113,557; Oct. 13; Gaz. vol. 207; p. 444.
- Hudson, Arthur J. (See Bullock, Arthur R., assignor.)
- Hudson, Charles H., Oconto, Nebr. Hame and tug coupling. No. 1,088,992; Mar. 3; Gaz. vol. 200; p. 109.
- Hudson, David W., Green Bay, Wis. Collapsible paper-reel. No. 1,088,281; Feb. 24; Gaz. vol. 199; p. 1082.
- Hudson, David W., Green Bay, Wis. Reel. No. 1,088,282; Feb. 24; Gaz. vol. 199; p. 1082.
- Hudson, Edwin P. (See Mally and Hudson.)
- Hudson, Grace. (See Malloy, Mary A., assignor.)
- Hudson, James B., Charlotte, N. C. Re-covering cotton-mill rolls. No. 1,103,772; July 14; Gaz. vol. 204; p. 587.
- Hudson, James B., Charlotte, N. C. Truing up and renewing leather-covered rolls. No. 1,118,862; Nov. 24; Gaz. vol. 208; p. 1302.
- Hudson, Frederick F., Memphis, Tenn., assignor to Recording Safety Device Company, Phoenix, Ariz. Railway safety and recording device. No. 1,095,868; May 5; Gaz. vol. 202; p. 236.
- Hudson, John, Spokane, Wash. Sewing-machine attachment. No. 1,093,185; Apr. 14; Gaz. vol. 201; p. 399.
- Hudson, Lee O. (See Gordon and Hudson.)
- Hudson Motor Car Company. (See Egerton, Charles O., assignor.)
- Hudson, Robert F., assignor to Gravity Railway Signal Company, Incorporated, Richmond, Va. Railway-signal. No. 1,114,477; Oct. 20; Gaz. vol. 207; p. 808.

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- Hudson, Sarah J., London, England. Fastening means for hats or the like. No. 1,087,376; Feb. 17; Gaz. vol. 199; p. 722.
- Hudson, William S., Henderson, Ky. Building-block. No. 1,115,542; Nov. 3; Gaz. vol. 208; p. 26.
- Huebner-Bleistein Patents Company. (See Huebner, William C., assignor.)
- Huebner, George, La Grange, Tex. Bridge construction. No. 1,122,504; Dec. 29; Gaz. vol. 209; p. 1410.
- Huebner, Josef, Chicago, Ill. Making sponge-rubber. No. 1,103,359; July 14; Gaz. vol. 204; p. 442.
- Huebner, Walter C., Johnstown, Pa. Railway-track structure. No. 1,096,628; May 12; Gaz. vol. 202; p. 530.
- Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Photographic method. No. 1,093,134; Apr. 14; Gaz. vol. 201; p. 382.
- Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Offset-printing machine. No. 1,109,288; Sept. 1; Gaz. vol. 206; p. 153.
- Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Photographic-printing apparatus. No. 1,109,289; Sept. 1; Gaz. vol. 206; p. 153.
- Huelsdonk, William A., Le Grand, Cal. Distributer for concentrators. No. 1,104,299; July 21; Gaz. vol. 204; p. 808.
- Huelsdonk, William A., Le Grand, Cal. Concentrating-table. No. 1,104,300; July 21; Gaz. vol. 204; p. 808.
- Huenefeld Company, The. (See Hausfeld, Joseph E., assignor.)
- Huenefeld Company, The. (See Huenefeld, Walter E., assignor.)
- Huenefeld, Walter E., assignor to The Huenefeld Company, Cincinnati, Ohio. Hydrocarbon-burner. No. 1,110,786; Sept. 15; Gaz. vol. 206; p. 764.
- Huenergardt, George H., Collegeview, Nebr. Washing-machine. No. 1,099,048; June 2; Gaz. vol. 203; p. 232.
- Huenergardt, George H., Collegeview, Nebr. Washing-machine. No. 1,113,995; Oct. 20; Gaz. vol. 207; p. 634.
- Huenergardt, George H. and W. H., Collegeview, Nebr. Top for washing-machines. No. 1,099,049; June 2; Gaz. vol. 203; p. 232.
- Huenergardt, William H. (See Huenergardt, George H. and W. H.)
- Huet, Louis H., assignor to Société Huet & Cie., Paris, France. Apparatus for taking or reproducing animated pictures. No. 1,092,053; Mar. 31; Gaz. vol. 200; p. 1321.
- Huether, August. (See Seeley and Huether.)
- Huetteman, Frank J., A. F. Cramer, F. A. Schaum, and H. C. Wiedeman, assignors, by mesne assignments, to The Glass Enamelled Package Company, Detroit, Mich. Keg or cask. No. 1,086,826; Feb. 10; Gaz. vol. 199; p. 481.
- Huey, Arthur B. (See Tucker, Samuel L., assignor.)
- Huff, Albert J. (See Dohner and Huff.)
- Huff, Edward S., assignor to H. Ford, Detroit, Mich. Fly-wheel magneto for explosive-engines. No. 1,098,361; May 26; Gaz. vol. 202; p. 1222.
- Huff, George H., Syracuse, N. Y. Scraper attachment for wheel-plows. No. 1,107,952; Aug. 18; Gaz. vol. 205; p. 919.
- Huff, Herman C., Pittsburgh, Pa. Sewerage system. No. 1,092,649; Apr. 7; Gaz. vol. 201; p. 182.
- Huff, Maribo C., assignor of one-half to R. T. Washburn, Bowden, Alberta, Canada. Draft-anchor for motor-vehicles. No. 1,088,344; Feb. 24; Gaz. vol. 199; p. 1103.
- Huff, Robert, Passaic, N. J., assignor to The "Box Car Flush Door Company" Incorporated. Door-hanger. No. 1,109,229; Sept. 1; Gaz. vol. 206; p. 132.
- Huff, Robert, Passaic, N. J., assignor to The Box Car Flush Door Company, New York, N. Y. Hanger for card-doors. No. 1,117,492; Nov. 17; Gaz. vol. 208; p. 786.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,087,018; Feb. 10; Gaz. vol. 199; p. 544.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,087,945; Feb. 24; Gaz. vol. 199; p. 965.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Folding-top-support bracket. No. 1,090,538; Mar. 17; Gaz. vol. 200; p. 732.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Vehicle-brake. No. 1,092,531; Apr. 7; Gaz. vol. 201; p. 140.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Carbureter. No. 1,095,326; May 5; Gaz. vol. 202; p. 52.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Truck-brake. No. 1,098,576; June 2; Gaz. vol. 203; p. 77.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,101,850; June 30; Gaz. vol. 203; p. 1382.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Adjustable bearing-box for motor-vehicles. No. 1,103,289; July 14; Gaz. vol. 204; p. 418.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,104,423; July 21; Gaz. vol. 204; p. 850.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Valve mechanism for hydrocarbon-engines. No. 1,111,462; Sept. 22; Gaz. vol. 206; p. 1041.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Lever mechanism. No. 1,117,385; Nov. 17; Gaz. vol. 208; p. 748.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,112,536; Oct. 6; Gaz. vol. 207; p. 44.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Starting mechanism for motor-vehicles. No. 1,114,265; Oct. 20; Gaz. vol. 207; p. 732.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Brake mechanism for motor-cars. No. 1,120,056; Dec. 8; Gaz. vol. 209; p. 434.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Controlling mechanism for motor-vehicles. No. 1,121,838; Dec. 22; Gaz. vol. 209; p. 1143.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Single-lever gear-shifting mechanism. No. 1,122,118; Dec. 22; Gaz. vol. 209; p. 1240.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Clutch mechanism. No. 1,122,119; Dec. 22; Gaz. vol. 209; p. 1240.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle transmission mechanism. No. 1,122,120; Dec. 22; Gaz. vol. 209; p. 1240.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,122,121; Dec. 22; Gaz. vol. 209; p. 1241.
- Huff, W. H. (See Wiley, John I., assignor.)
- Huff, Warren Y. (See Williamson, John, assignor.)
- Huff, William F., assignor of three thirty-seconds to E. C. Newbury, three thirty-seconds to C. E. Newbury, three-sixteenths to T. J. Deeble, three-sixteenths to C. L. Crandall, and three-sixteenths to F. C. Wilson, Long Beach, Cal. Sanitary bottle-closure. No. 1,111,259; Sept. 22; Gaz. vol. 206; p. 972.
- Huffaker, J. C., administrator. (See Savage, Charley S., assignor.)
- Huffman, John H., Cullom, Ill. Bundle gatherer and loader. No. 1,085,913; Feb. 3; Gaz. vol. 199; p. 118.
- Huffman, Louis, Toronto, Ontario, Canada. Variable-speed mechanism. No. 1,107,613; Aug. 18; Gaz. vol. 205; p. 802.
- Hufford, Floyd E., Milford, Ill. Air-compressor. No. 1,094,994; Apr. 28; Gaz. vol. 201; p. 1116.
- Hufford, Floyd E., Milford, Ill. Friction-clutch. No. 1,122,933; Dec. 29; Gaz. vol. 209; p. 1561.
- Hugg, Francis E. (See Kane and Hugg.)
- Hugg, William H., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Feeding mechanism for sewing-machines. No. 1,100,373; June 16; Gaz. vol. 203; p. 768.
- Huggins, Louis. (See Scott, Leland, assignor.)
- Huggins, William H., and J. F. Waddell, Morristown, Tenn. Adjustable window-shade hanger. No. 1,114,882; Oct. 27; Gaz. vol. 207; p. 1001.
- Hughes, Arthur D., and T. H. Hertzog, Washington, Pa. Signaling system for electric railways. No. 1,098,112; May 26; Gaz. vol. 202; p. 1137.
- Hughes, Arthur E., assignor to Foss-Hughes Company, Philadelphia, Pa. Drip-pan. No. 1,094,210; Apr. 21; Gaz. vol. 201; p. 784.
- Hughes, Charles C., assignor to Hughes Universal Arc Lamp Company, Philadelphia, Pa. Arc-lamp. No. 1,087,377; Feb. 17; Gaz. vol. 199; p. 722.
- Hughes, Charles H., Syracuse, assignor to Semet-Solvay Company, Solvay, N. Y. Tubular recuperator for retort coke-ovens. No. 1,120,146; Dec. 8; Gaz. vol. 209; p. 465.
- Hughes, Charles H., Syracuse, assignor to Semet-Solvay Company, Solvay, N. Y. Tubular recuperator for retort coke-ovens. No. 1,120,147; Dec. 8; Gaz. vol. 209; p. 465.
- Hughes, Clara B., Lakota, N. D. Educational apparatus. No. 1,099,372; June 9; Gaz. vol. 203; p. 389.
- Hughes, Clement L., assignor of one-half to L. I. Lacky, Lewistown, Ill. Cigar-vending machine. No. 1,120,500; Dec. 8; Gaz. vol. 209; p. 591.
- Hughes, Davydd C., assignor, by mesne assignments, to J. B. Hall and J. S. Duncan, Chicago, Ill. Ribbon-inker for printing and addressing machines. No. 1,088,072; Feb. 24; Gaz. vol. 199; p. 1010.
- Hughes, Davydd C., assignor, by mesne assignments, to J. B. Hall and J. S. Duncan, Chicago, Ill. Ribbon-inker for addressing-machines and the like. No. 1,088,073; Feb. 24; Gaz. vol. 199; p. 1010.
- Hughes, Dow B., New York, N. Y., assignor to The Citizens Savings and Trust Company, trustee, Cleveland, Ohio. Magneto-armature. No. 1,108,442; Aug. 25; Gaz. vol. 205; p. 1137.
- Hughes, Edwin J., Jr., Rome, N. Y. Hook and eye. No. 1,091,341; Mar. 24; Gaz. vol. 200; p. 1033.
- Hughes Electric Heating Company. (See Ruckle and Kennedy, assignors.)
- Hughes, George L., Chicago, Ill., assignor of one-half to R. E. Cooper, Hopkinsville, Ky. Electric switch. No. 1,087,238; Feb. 17; Gaz. vol. 199; p. 674.

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- Hughes, George L., Chicago, Ill., assignor of one-half to R. E. Cooper, Hopkinsville, Ky. Police and fire alarm system. No. 1,105,436; July 28; Gaz. vol. 204; p. 1254.
- Hughes, Harry E., Baltimore, Md. Drainage-tube. No. 1,103,967; July 21; Gaz. vol. 204; p. 695.
- Hughes, Howard, A. Ferguson, and H. L. Lowe, Clinton, Ind. Switch for industrial-railway tracks. No. 1,114,883; Oct. 27; Gaz. vol. 207; p. 1001.
- Hughes, Howard R., Houston, Tex. Well-drilling apparatus. No. 1,094,904; Apr. 28; Gaz. vol. 201; p. 1083.
- Hughes, Howard R., Houston, Tex. Roller boring-drill. No. 1,119,163; Dec. 1; Gaz. vol. 209; p. 92.
- Hughes, Howard R., Houston, Tex. Roller boring-drill. No. 1,119,164; Dec. 1; Gaz. vol. 209; p. 93.
- Hughes, Hugh T., Youngstown, Ohio. Anticreeping railway device. No. 1,111,696; Sept. 22; Gaz. vol. 206; p. 1124.
- Hughes, Hugh T., assignor of one-fourth to S. M. Strain, one-eighth to S. D. Myers, and one-eighth to L. K. Klingensmith, Youngstown, Ohio. Rail-spike. No. 1,087,912; Feb. 17; Gaz. vol. 199; p. 906.
- Hughes, Hugh T., assignor of one-half to J. Porembski and one-third to S. M. Strain, Youngstown, Ohio. Nut-lock. No. 1,114,696; Oct. 20; Gaz. vol. 207; p. 881.
- Hughes, James F., Yonkers, N. Y. Game apparatus. No. 1,105,274; July 28; Gaz. vol. 204; p. 1195.
- Hughes, James G., Newark, Ohio. Shipping-tag. No. 1,096,370; May 12; Gaz. vol. 202; p. 445.
- Hughes, James H. (See Moon and Bell, assignors.)
- Hughes, James W., assignor to L. K. Hughes, Narberth, Pa. Apparatus for manufacturing artificial stone. No. 1,100,374; June 16; Gaz. vol. 203; p. 769.
- Hughes, John, executor. (See Travis and Ault.)
- Hughes, John C. (See White and Hughes.)
- Hughes, John E., Chicago, Ill. Display-case and packing-receptacle. No. 1,099,373; June 9; Gaz. vol. 203; p. 389.
- Hughes, John F., Lansdowne, Pa. Dumping-wagon. No. 1,122,394; Dec. 29; Gaz. vol. 209; p. 1373.
- Hughes, Leo T. (See Wickham and Hughes.)
- Hughes, Lucy K. (See Hughes, James W., assignor.)
- Hughes, Lyda I., Cherokee, Iowa. Book-rest. No. 1,117,386; Nov. 17; Gaz. vol. 208; p. 749.
- Hughes-Mahone, Nora E., London, England. Lady's head-gear. No. 1,092,794; Apr. 7; Gaz. vol. 201; p. 230.
- Hughes Manufacturing Company. (See Souter, James A., assignor.)
- Hughes, Marion, Shawnee, Okla. Water-wheel. No. 1,113,440; Oct. 13; Gaz. vol. 207; p. 403.
- Hughes, Robert D., Lynchburg, Va. Bottle-protecting device. No. 1,100,734; June 23; Gaz. vol. 203; p. 945.
- Hughes, Robert R., Jr. (See Weis and Hughes.)
- Hughes, Samuel E., assignor of one-half to S. G. Phillips, Alexandria, Ind. Road-drag. No. 1,111,900; Sept. 29; Gaz. vol. 206; p. 1234.
- Hughes, Sidney D., Laurel, Miss. Ice-pick. No. 1,094,569; Apr. 28; Gaz. vol. 201; p. 964.
- Hughes Universal Arc Lamp Company. (See Hughes, Charles C., assignor.)
- Hughes, William, Taunton, Mass. Eyelet-setting machine. (Reissue.) No. 13,683; Feb. 3; Gaz. vol. 199; p. 265.
- Hughes, William B., Newark, N. J., assignor, by mesne assignments, to Elevator Supply & Repair Company. Circuit-controlling device. (Reissue.) No. 13,750; June 16; Gaz. vol. 203; p. 878.
- Hughes, William E., Clyde, Ohio. Burial-casket. No. 1,085,736; Feb. 3; Gaz. vol. 199; p. 56.
- Hughes, William G., Pittsburgh, Pa. Incandescent electric lamp. No. 1,105,908; Aug. 4; Gaz. vol. 205; p. 112.
- Hughes, William G., Pittsburgh, Pa. Incandescent body for electric lamps. No. 1,106,384; Aug. 4; Gaz. vol. 205; p. 320.
- Hughes, William J., Chicago, Ill. Spirit-level. No. 1,098,801; June 2; Gaz. vol. 203; p. 150.
- Hughes, William J., Baltimore, Md. Liquid measure and register. No. 1,114,989; Oct. 27; Gaz. vol. 207; p. 1040.
- Hughes, William R. (See Statler and Johnson, assignors.)
- Hughes, Hardin M., McComb, Okla. Wire-securing appliance for fence-posts. No. 1,108,990; Sept. 1; Gaz. vol. 206; p. 47.
- Huglo, Victor, Lille, France. Hackling-machine. No. 1,110,937; Sept. 15; Gaz. vol. 206; p. 818.
- Hugo Manufacturing Company. (See Hawks, William, assignor.)
- Hugo, Theodor. (See Colombo and Hugo.)
- Huguelet, William P., Chicago, Ill. Carbureter. No. 1,115,543; Nov. 3; Gaz. vol. 208; p. 27.
- Huguenin, Albert, Zurich, Switzerland. Device for transmitting force by means of magnetized rings. No. 1,084,148; Jan. 13; Gaz. vol. 198; p. 326.
- Huhn, John H., Fairmont, assignor of one-half to J. R. Steel, Barrackville, W. Va. Hatchet. No. 1,118,010; Nov. 24; Gaz. vol. 208; p. 1006.
- Huish, Orson P., Payson, Utah. Beet-topping device. No. 1,121,839; Dec. 22; Gaz. vol. 209; p. 1144.
- Huisveld, Wugbold, and C. Hansen, San Diego, Cal. Combination hose-plug. No. 1,089,057; Mar. 3; Gaz. vol. 200; p. 130.
- Huke, William, St. Louis, Mo. Basket-frame. No. 1,116,820; Nov. 10; Gaz. vol. 208; p. 511.
- Hukill, William V., Bethany, W. Va. Telescopic sight. No. 1,085,048; Jan. 20; Gaz. vol. 198; p. 655.
- Hulbert, Charles P., assignor to Hulbert & Dorsey, Chicago, Ill. Plumbing-fitting. No. 1,093,626; Apr. 21; Gaz. vol. 201; p. 588.
- Hulbert & Dorsey. (See Hulbert, Charles P., assignor.)
- Hulbert, John L., Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Teat-cup for milking-machines. No. 1,089,838; Mar. 10; Gaz. vol. 200; p. 447.
- Hulbert, John L., Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Mechanically milking. No. 1,089,839; Mar. 10; Gaz. vol. 200; p. 447.
- Hulbert, Prescott M., Detroit, Mich. Manipulating plastic glass and apparatus for the same. No. 1,118,204; Nov. 24; Gaz. vol. 208; p. 1074.
- Hulder, Joseph P., New York, N. Y., assignor to Ludwig and Company. Tracking device. No. 1,090,310; Mar. 17; Gaz. vol. 200; p. 652.
- Hulder, Joseph P., New York, N. Y., assignor to Ludwig & Company. Self-adjusting automatic tracking mechanism. No. 1,113,637; Oct. 13; Gaz. vol. 207; p. 469.
- Hulet, Ernest W., and W. S. Eaton, assignors to The White Company, Cleveland, Ohio. Automobile-ventilator. No. 1,113,349; Oct. 13; Gaz. vol. 207; p. 369.
- Hulett, George H., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Car-dumping mechanism. No. 1,084,437; Jan. 13; Gaz. vol. 198; p. 420.
- Hulett, George H., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Car-dumping mechanism. No. 1,084,438; Jan. 13; Gaz. vol. 198; p. 420.
- Hulett, Thomas, Chicago, Ill. Automobile-starter. No. 1,106,449; Aug. 11; Gaz. vol. 205; p. 343.
- Hulfish, David S., assignor to McMeen & Miller, Chicago, Ill. Printing-telegraph. No. 1,108,580; Aug. 25; Gaz. vol. 205; p. 1188.
- Hulfish, David S., assignor to Canadian Independent Telephone Company, Limited, Toronto, Ontario, Canada. Telephone system. No. 1,112,140; Sept. 29; Gaz. vol. 206; p. 1311.
- Hulfish, David S., assignor, by mesne assignments, to General Engineering and Construction Company, Limited, Toronto, Ontario, Canada. Printing-telegraph alphabet. No. 1,119,650; Nov. 24; Gaz. vol. 208; p. 1231.
- Hulfish, Davis S., assignor to Canadian Independent Telephone Company, Limited, Toronto, Ontario, Canada. Automatic telephone system. No. 1,118,490; Nov. 24; Gaz. vol. 208; p. 1177.
- Hull, Albert W., Worcester, Mass., assignor to General Electric Company. Electron-discharge apparatus. No. 1,114,697; Oct. 20; Gaz. vol. 207; p. 881.
- Hull, Bret R., Manhattan, Kans. Ball-cock. No. 1,122,758; Dec. 29; Gaz. vol. 209; p. 1499.
- Hull, Charles W., Wheeler, Wash. Farm-tractor. No. 1,122,934; Dec. 29; Gaz. vol. 209; p. 1561.
- Hull, George A. (See Chenoweth, Acker, and Hull.)
- Hull, Jeremiah D., Richmond Hill, N. Y. Non-refillable bottle. No. 1,117,850; Nov. 17; Gaz. vol. 208; p. 912.
- Hull Manufacturing Company. (See Watres, Lewis S., assignor.)
- Hull, Robert C., Germantown, Pa. Electric switch. No. 1,095,279; May 5; Gaz. vol. 202; p. 36.
- Hull, Robert C., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Electrical system of distribution. No. 1,084,741; Jan. 20; Gaz. vol. 198; p. 553.
- Hull, Robert C., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Electrical system of distribution. No. 1,120,148; Dec. 8; Gaz. vol. 209; p. 466.
- Hull, Samuel P., Yonkers, N. Y. Circuit-controller. No. 1,089,564; Mar. 10; Gaz. vol. 200; p. 353.
- Hull, William S., Jackson, Miss. Metallic repair-shingle. No. 1,121,365; Dec. 15; Gaz. vol. 209; p. 942.
- Hullinger, Frank, San Jose, Ill. Automatic hog-greaser. No. 1,117,851; Nov. 17; Gaz. vol. 208; p. 912.
- Hullings, George F., and D. P. Moore, Washington, D. C. Staple-affixing machine. No. 1,117,673; Nov. 17; Gaz. vol. 208; p. 850.
- Hulpian, Charles, assignor to Hard Manufacturing Company, Buffalo, N. Y. Bed-spring. No. 1,120,501; Dec. 8; Gaz. vol. 209; p. 591.
- Hulse, Frank C., and L. S. Uphoff, Schenectady, N. Y. Blackboard-compasses. No. 1,121,503; Dec. 15; Gaz. vol. 209; p. 989.
- Hulse, William H., Montreal, Quebec, Canada, assignor to Victor Typewriter Company, New York, N. Y. Typewriting machine. No. 1,086,054; Feb. 3; Gaz. vol. 199; p. 170.
- Hult, Carl A. and O. W., Stockholm, Sweden. Governing device for explosion or combustion motors. No. 1,103,290; July 14; Gaz. vol. 204; p. 418.
- Hult, Carl A., Stockholm, and K. A. E. Tinnberg, Partille, Sweden. Milk-receptacle for centrifugal separators. No. 1,112,213; Sept. 29; Gaz. vol. 206; p. 1338.
- Hult, Carl A. and O. W., Stockholm, Sweden. Suspension device for outboard motors. No. 1,118,011; Nov. 24; Gaz. vol. 208; p. 1007.
- Hult, Fred E., Jamestown, N. Y. Rail joint and chair. No. 1,099,302; June 9; Gaz. vol. 203; p. 362.
- Hult, Oscar W. (See Hult, Carl A. and O. W.)

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- Hult, Warner G., Jamestown, N. Y. Curtain-roller. No. 1,083,741; Jan. 6; Gaz. vol. 198; p. 161.
- Hultgreen, Charles E., assignor of one-third to A. Hammarberg and one-third to F. F. Hultgreen, Oakland, Cal. Compound rotary pump. No. 1,111,307; Sept. 22; Gaz. vol. 206; p. 988.
- Hultgreen, Frank F., *et al.* (See Hultgreen, Charles E., assignor.)
- Hultgren, Charles, assignor to Wenborne-Karpen Dryer Co., Chicago, Ill. Kiln. No. 1,110,787; Sept. 15; Gaz. vol. 206; p. 765.
- Hultgren, Charles, Chicago, Ill., assignor, by mesne assignments, to Wenborne-Karpen Dryer Co. Drying-room. No. 1,110,788; Sept. 15; Gaz. vol. 206; p. 765.
- Hultgren, John P., Chicago, Ill. Centrifugal cream-separator. No. 1,101,799; June 30; Gaz. vol. 203; p. 1365.
- Hulton, John W., *et al.* (See Drysdale, Bruce, assignor.)
- Hulton, Walker, *et al.* (See Drysdale, Bruce, assignor.)
- Hultquist, Victor J., Bellevue, Pa. Reinforced concrete construction. No. 1,086,177; Feb. 3; Gaz. vol. 199; p. 212.
- Humason, Granville A., assignor to G. W. Robinson, Shreveport, La. Drill. No. 1,120,198; Dec. 8; Gaz. vol. 209; p. 484.
- Humbert, Ernest, Chicago, Ill. Melting ferromanganese. No. 1,101,551; June 30; Gaz. vol. 203; p. 1279.
- Humbert, Paul, Jr. (See Calum, Ole, assignor.)
- Humbert, Richard E., Milford, Pa. Heating element. No. 1,098,351; May 26; Gaz. vol. 202; p. 1219.
- Humble, Walter V. (See Kaser, Humble, and Remmers.)
- Humboldt Cement Products Mfg. Co. (See Mayer, John H., assignor.)
- Humbrecht, Jules. (See Jacob and Humbrecht.)
- Humbrecht, Jules, Gross-Lichterfelde, near Berlin, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Annular-mirror periscope. No. 1,085,611; Feb. 3; Gaz. vol. 199; p. 11.
- Humbrecht, Jules, Gross-Lichterfelde, near Berlin, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Berlin, Germany. Distance-measuring instrument. No. 1,088,701; Mar. 3; Gaz. vol. 200; p. 11.
- Humbrecht, Jules, Gross-Lichterfelde, near Berlin, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Telescope with variable magnification. No. 1,091,933; Mar. 31; Gaz. vol. 200; p. 1282.
- Humbrecht, Jules, Gross-Lichterfelde, near Berlin, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Telescope with variable magnification. No. 1,097,635; May 26; Gaz. vol. 202; p. 967.
- Hume, George T., Clinton, Ill. Drier. No. 1,121,186; Dec. 15; Gaz. vol. 209; p. 881.
- Hume, John G., Duns, Scotland. Means for use in chemical analysis. No. 1,087,239; Feb. 17; Gaz. vol. 199; p. 674.
- Hume, Walter E., Rutherford, N. J. Support for dress-forms and the like. No. 1,101,552; June 30; Gaz. vol. 203; p. 1279.
- Hume, Walter E., Rutherford, N. J., assignor of one-half to J. Pollak, New York, N. Y. Support for dress-forms. No. 1,097,128; May 19; Gaz. vol. 202; p. 748.
- Humes, Irwin. (See Miller, Orin J., assignor.)
- Humeston, Frederick L., New Haven, Conn., assignor to The Greist Manufacturing Company. Razor-blade holder. No. 1,090,398; Mar. 17; Gaz. vol. 200; p. 683.
- Hummel, Clinton C., and J. E. Deeter, Carlisle, Ark. Combined match-holder and tobacco-box. No. 1,100,881; June 23; Gaz. vol. 203; p. 996.
- Hummel, Ernest A., St. Paul, Minn. System of electrical signaling. No. 1,097,636; May 26; Gaz. vol. 202; p. 967.
- Hummel, Ernest A., assignor to A. L. Haman, St. Paul, Minn. Automatic synchronizer-indicator for clocks. No. 1,096,536; May 12; Gaz. vol. 202; p. 500.
- Hummel, Ernest A., assignor to A. L. Haman, St. Paul, Minn. Gravity-escapement for clocks. No. 1,097,637; May 26; Gaz. vol. 202; p. 968.
- Hummel, Friedrich H. (See Fuegmann and Hummel.)
- Hummel, John P., Milwaukee, Wis. Shipping-box. No. 1,119,165; Dec. 1; Gaz. vol. 209; p. 93.
- Hummer, George P., Grand Rapids, Mich. Toilet fastener. No. 1,095,636; May 5; Gaz. vol. 202; p. 158.
- Hummon, Cyrus, Vernon, Mich. Train-signal. No. 1,116,589; Nov. 10; Gaz. vol. 208; p. 428.
- Humpage, Thomas, Bristol, England. Saw-sharpening machine. No. 1,115,940; Nov. 3; Gaz. vol. 208; p. 161.
- Humphrey, Alfred H., New York, N. Y. Gas-lamp. No. 1,095,208; May 5; Gaz. vol. 202; p. 12.
- Humphrey, Alfred H., New York, N. Y. Gas-lamp. No. device. No. 1,095,209; May 5; Gaz. vol. 202; p. 12.
- Humphrey, Alfred H., New York, N. Y. Gas-lamp. No. 1,097,719; May 26; Gaz. vol. 202; p. 997.
- Humphrey, Claude T., Grand Island, Nebr. Moistener for envelopes. No. 1,117,387; Nov. 17; Gaz. vol. 208; p. 749.
- Humphrey, Ernest, Denver, Colo. Pipe-coupling machine. No. 1,086,178; Feb. 3; Gaz. vol. 199; p. 212.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Garment-supporter trimming. No. 1,085,580; Jan. 27; Gaz. vol. 198; p. 872.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Cast-off construction. No. 1,085,914; Feb. 3; Gaz. vol. 199; p. 118.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Cutting device. No. 1,088,900; Mar. 3; Gaz. vol. 200; p. 77.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Buckle. No. 1,103,588; July 14; Gaz. vol. 204; p. 522.
- Humphrey, Ernest N., New Britain, Conn., assignor to United States Fastener Company, Boston, Mass. Snap-fastener. No. 1,094,333; Apr. 21; Gaz. vol. 201; p. 822.
- Humphrey, Francis M., Pendleton, Ore. Interior casket. No. 1,084,149; Jan. 13; Gaz. vol. 198; p. 326.
- Humphrey, Frederick J., assignor to General Gas Light Company, Kalamazoo, Mich. Globe-holder for lamps. No. 1,118,934; Dec. 1; Gaz. vol. 209; p. 10.
- Humphrey, Frederick J. and H. R., assignors to General Gas Light Company, Kalamazoo, Mich. Gas-lamp. No. 1,095,210; May 5; Gaz. vol. 202; p. 13.
- Humphrey Gas Pump Company. (See Humphrey, Herbert A., assignor.)
- Humphrey Gas Pump Company. (See Smyth, William H., assignor.)
- Humphrey, General W. (See Barlow and Humphrey.)
- Humphrey, George A., New York, N. Y. Self-heating sad-iron. No. 1,086,453; Feb. 10; Gaz. vol. 199; p. 350.
- Humphrey, George C., assignor to California Fuel Manufacturing Company, Los Angeles, Cal. Material-compressing machine. No. 1,113,121; Oct. 6; Gaz. vol. 207; p. 244.
- Humphrey, George P., New Rochelle, N. Y. Necktie form and holder. No. 1,116,892; Nov. 10; Gaz. vol. 208; p. 536.
- Humphrey, Herbert A., London, England. Utilizing an expansive force. No. 1,086,326; Feb. 3; Gaz. vol. 199; p. 258.
- Humphrey, Herbert A., London, England, assignor to Humphrey Gas Pump Company. Utilizing an expansive force. No. 1,084,340; Jan. 13; Gaz. vol. 198; p. 389.
- Humphrey, Herbert A., London, England, assignor to Humphrey Gas Pump Company. Apparatus for utilizing an expansive force. No. 1,084,341; Jan. 13; Gaz. vol. 198; p. 389.
- Humphrey, Herbert A., Westminster, London, England, assignor to Humphrey Gas Pump Company. Raising or forcing liquids. No. 1,085,865; Feb. 3; Gaz. vol. 199; p. 101.
- Humphrey, Horace F., Joliet, Ill. Wire-drawing appliance. No. 1,114,616; Oct. 20; Gaz. vol. 207; p. 853.
- Humphrey, Hubert R. (See Humphrey, Frederick J. and H. R.)
- Humphrey & Sons. (See Reece, Juan H., assignor.)
- Humphreys, Charles A., Chicago, Ill. Pouch. No. 1,096,537; May 12; Gaz. vol. 202; p. 500.
- Humphreys, Charles A., Carrick, Pa. Loss-of-head gages. No. 1,101,502; June 23; Gaz. vol. 203; p. 1212.
- Humphreys, Jerome N., Dallas, Tex. Hydrogenating oils, fats, and fatty acids, &c. No. 1,100,735; June 23; Gaz. vol. 203; p. 945.
- Humphreys, Jerome N., assignor of one-third to W. K. Smith and one-third to J. D. Olinger, Dallas, Tex. Composition for removing coatings. No. 1,102,052; June 30; Gaz. vol. 203; p. 1456.
- Humphreys, Robert E., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Distilling hydrocarbons. No. 1,119,700; Dec. 1; Gaz. vol. 209; p. 275.
- Humphreys, Robert E., assignor to Standard Oil Company, Whiting, Ind. Petroleum-distilling apparatus. No. 1,122,002; Dec. 22; Gaz. vol. 209; p. 1201.
- Humphreys, Robert E., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Distilling petroleum. No. 1,122,003; Dec. 22; Gaz. vol. 209; p. 1201.
- Humphries, George, Haverhill, Mass. Mop. No. 1,092,770; Apr. 7; Gaz. vol. 201; p. 222.
- Humphries, James H., Spruce Pine, Ala. Window-sash. No. 1,117,053; Nov. 10; Gaz. vol. 208; p. 591.
- Humpston, Richard E. (See Hazard, Allen B., assignor.)
- Hundhausen, Joseph, Schofield, assignor of one-half to A. Kahn, Wausau, Wis. Apparatus for holding paper-rolls. No. 1,110,136; Sept. 8; Gaz. vol. 206; p. 497.
- Hundrieser, Hans, Halensee, near Berlin, Germany. Drill. No. 1,083,492; Jan. 6; Gaz. vol. 198; p. 77.
- Hundt, Albert, Pankow, Germany, assignor to General Electric Company. Transformer-tank breather. No. 1,100,736; June 23; Gaz. vol. 203; p. 946.
- Hünérkopf, Heinrich, Bischofsheim, Germany. Device for scattering hand-bills and the like. No. 1,084,636; Jan. 20; Gaz. vol. 198; p. 515.
- Hunger, Friedrich O. (See Espenhayn and Hunger.)
- Hungerford, Charles, Soldier, Kans. Silo. No. 1,099,749; June 9; Gaz. vol. 203; p. 516.
- Hungerford, Leo B. (See Nell, Gustave M., assignor.)
- Hungville, Thomas E. (See Kerr, William J., assignor.)
- Hunkemöller, Laurenz. (See Keller and Hunkemöller.)
- Hunker, Martin L. (See Day and Hunker.)

Alphabetical list of patentees—Continued.

- Hunn, Robert E., Oakland, Cal. Lifter for molded objects. No. 1,113,122; Oct. 6; Gaz. vol. 207; p. 244.
- Hunn, Robert E., San Francisco, Cal. Glass-veneered terra-cotta. No. 1,119,352; Dec. 1; Gaz. vol. 209; p. 156.
- Hunold, Ernest, Providence, R. I. Heel-plate blank. No. 1,104,192; July 21; Gaz. vol. 204; p. 771.
- Hunsaker, Elmer A., Lindsay, Cal. Music-rack. No. 1,086,179; Feb. 3; Gaz. vol. 199; p. 213.
- Hunsaker, Irvin B. (See Ricketts, James R., assignor.)
- Hunsberger, Henry W., Pottstown, Pa. Adjustable window-screen. No. 1,121,504; Dec. 15; Gaz. vol. 209; p. 989.
- Hunsicker Clyde L. (See Mrozinski and Hunsicker.)
- Hunsinger, George A., Pittsburgh, Pa. Wrench. No. 1,112,800; Oct. 6; Gaz. vol. 207; p. 136.
- Hunt, Andrew M., and J. B. Speed, Berkeley, Cal. Operating gas and oil furnaces. No. 1,114,767; Oct. 27; Gaz. vol. 207; p. 960.
- Hunt, Arthur C., Greenville, S. C. Dirigible headlight. No. 1,100,737; June 23; Gaz. vol. 203; p. 946.
- Hunt, Charles A., Newburgh, N. Y. Sash-fastener. No. 1,111,585; Sept. 22; Gaz. vol. 206; p. 1084.
- Hunt, Charles R. (See Hayden, George D., assignor.)
- Hunt, Clinton H., Youngstown, Ohio, assignor to The William Tod Company. Rolling-mill spindle-coupling. No. 1,115,433; Oct. 27; Gaz. vol. 207; p. 1193.
- Hunt, Delphia N., Montpelier, Vt. Staging. No. 1,085,383; Jan. 27; Gaz. vol. 198; p. 809.
- Hunt, Don M., Oregon, Mo. Transmission-gearing for automobiles. No. 1,091,342; Mar. 24; Gaz. vol. 200; p. 1034.
- Hunt, Edward B., Lampasas, Tex. Dam construction. No. 1,088,702; Mar. 3; Gaz. vol. 200; p. 11.
- Hunt, Edwin J., Oldbury, and W. T. Gidden, Warley, assignors to Chance & Hunt, Limited, Oldbury, England. Electrolysis and treatment of sulfate liquors. No. 1,107,309; Aug. 18; Gaz. vol. 205; p. 693.
- Hunt, Frank. (See Simms, Irvin B., assignor.)
- Hunt, Frank Z., Breckenridge, Colo. Dredge-bucket. No. 1,090,478; Mar. 17; Gaz. vol. 200; p. 712.
- Hunt Gas Machine Company. (See Hunt and Peloubet, assignors.)
- Hunt, George G., Plano, assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Quick-acting clamp. No. 1,106,096; Aug. 4; Gaz. vol. 205; p. 180.
- Hunt, Harmon J., Detroit, Mich. Metallic base for show-cases. No. 1,098,903; June 2; Gaz. vol. 203; p. 186.
- Hunt, Harmon J., Detroit, Mich. Metallic shelf for show-cases. No. 1,100,306; June 16; Gaz. vol. 203; p. 747.
- Hunt, Hayden A., McPherson, Kans. Wind-scoop. No. 1,115,315; Oct. 27; Gaz. vol. 207; p. 1154.
- Hunt, Helm, Ferris & Company. (See Ferris, Henry L., assignor.)
- Hunt, Helm, Ferris & Company. (See Ferris, Howard J., assignor.)
- Hunt, Henry, Newtown, Conn. Clothes-line prop. No. 1,100,375; June 16; Gaz. vol. 203; p. 770.
- Hunt, Henry E., Toronto, Ontario, Canada. Brick-mold. No. 1,109,070; Sept. 1; Gaz. vol. 206; p. 76.
- Hunt, Howard H., and W. S. Peloubet, Los Angeles, Cal., assignors to Hunt Gas Machine Company, Minneapolis, Minn. Carbureter. No. 1,089,471; Mar. 10; Gaz. vol. 200; p. 320.
- Hunt, John, Dumont, Colo. Dumping-platform. No. 1,099,802; June 9; Gaz. vol. 203; p. 534.
- Hunt, John C., and J. L. McKenna, Henry, Colo. Train-pipe coupling. No. 1,090,539; Mar. 17; Gaz. vol. 200; p. 732.
- Hunt, Jonathan A., assignor to Hunt Specialty Manufacturing Company, Westboro, Mass. Hanger or supporting device. No. 1,120,385; Dec. 8; Gaz. vol. 209; p. 551.
- Hunt, Jonathan A., assignor to Hunt Specialty Manufacturing Company, Westboro, Mass. Push-pin. No. 1,120,656; Dec. 8; Gaz. vol. 209; p. 647.
- Hunt, Ormond E., assignor to Packard Motor Car Company, Detroit, Mich. Push-button support for motor-vehicles. No. 1,094,789; Apr. 28; Gaz. vol. 201; p. 1044.
- Hunt, Ozello R., Chicago, Ill. Spring structure. No. 1,085,426; Jan. 27; Gaz. vol. 198; p. 822.
- Hunt Specialty Manufacturing Company. (See Hunt, Jonathan A., assignor.)
- Hunt, Thomas E., Blue Island, assignor to Quaker Manufacturing Company, Chicago, Ill. Machine for dishing and corrugating metal caps. No. 1,086,055; Feb. 3; Gaz. vol. 199; p. 171.
- Hunt, Walter M., Philadelphia, Pa., and F. W. Wood; said Wood assignor, by mesne assignments, to Charles Cory & Son, Inc., New York, N. Y. Apparatus for signaling from one vessel to others. No. 1,117,576; Nov. 17; Gaz. vol. 208; p. 815.
- Hunt, William H., New York, N. Y. Dumping-body for coal-trucks. No. 1,104,801; July 28; Gaz. vol. 204; p. 1031.
- Hunt, William T., Bowdoin, Mont. Shovel attachment. No. 1,119,605; Dec. 1; Gaz. vol. 209; p. 243.
- Huntman, Henry. (See Heuerman and Huntman.)
- Hunter, Arthur G., Sherman, Tex. Wrench. No. 1,120,386; Dec. 8; Gaz. vol. 209; p. 551.
- Hunter, Bradford B. (See Ehlinger, Christopher, assignor.)
- Hunter, Caroline L., Hollywood, Cal. Portable kitchenette. No. 1,084,211; Jan. 13; Gaz. vol. 198; p. 347.
- Hunter, Charles F., et al. (See Sumbler, Paul, assignor.)
- Hunter, Charles H., Chicago, Ill., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,099,932; June 16; Gaz. vol. 203; p. 632.
- Hunter, Charles H. D., Melbourne, Victoria, Australia. Internally-heated cooking-oven and the like. No. 1,099,050; June 2; Gaz. vol. 203; p. 233.
- Hunter, Eli A., Des Moines, Iowa. Overshoe. No. 1,105,437; July 28; Gaz. vol. 204; p. 1255.
- Hunter, Ernest M., assignor to The Cardwell Machine Co., Richmond, Va. Apparatus for filling and heading hog-heads of tobacco. No. 1,097,924; May 26; Gaz. vol. 202; p. 1071.
- Hunter, Ervin C., Galesburg, Ill. Glove, mitten, or the like. No. 1,090,826; Mar. 17; Gaz. vol. 200; p. 827.
- Hunter, Freeman S., assignor of one-half to O. P. Hunter, Bedford, Ind. Metallic railway cross-tie. No. 1,094,719; Apr. 28; Gaz. vol. 201; p. 1021.
- Hunter, George C., Cleveland, Ohio, assignor to Houghton and Richards, Boston, Mass. Band-saw. No. 1,084,801; Jan. 20; Gaz. vol. 198; p. 573.
- Hunter, George E., Elgin, assignor to Elgin National Watch Company, Chicago, Ill. Stem winding and setting watch. No. 1,096,304; May 12; Gaz. vol. 202; p. 422.
- Hunter, George G. (See Bivens and Hunter.)
- Hunter, Harry S., Pittsburgh, Pa. Pneumatic tool. No. 1,102,271; July 7; Gaz. vol. 204; p. 17.
- Hunter, Hugh M., assignor to The National Acme Manufacturing Company, Cleveland, Ohio. Threading mechanism for multiple-spindle screw-machines. No. 1,111,385; Sept. 22; Gaz. vol. 206; p. 1014.
- Hunter, Ira, assignor of two-thirds to G. C. Rafferty and one-third to L. Wells, Carlisle, Ky. Insulator. No. 1,099,374; June 9; Gaz. vol. 203; p. 389.
- Hunter, James W., Andrew, assignor of one-fourth to B. D. Banks and one-fourth to O. P. Moses, Sterling, W. Va. Rail-joint. No. 1,093,559; Apr. 14; Gaz. vol. 201; p. 521.
- Hunter, John A., Philadelphia, Pa. Converting cast-iron into steel or malleable iron. No. 1,112,909; Oct. 6; Gaz. vol. 207; p. 174.
- Hunter, John C., New Britain, Conn. Fountain-spray brush. No. 1,118,774; Nov. 24; Gaz. vol. 208; p. 1272.
- Hunter, John P., and H. Kuntzler, Wilkes-Barre, Pa., assignors to Adder Machine Company. Adding-machine. No. 1,093,424; Apr. 14; Gaz. vol. 201; p. 480.
- Hunter, John W., Englewood, Mo. Concrete-form. No. 1,121,840; Dec. 22; Gaz. vol. 209; p. 1144.
- Hunter, Lewis C., Detroit, Mich. Bed. No. 1,113,996; Oct. 20; Gaz. vol. 207; p. 634.
- Hunter, Oliver P. (See Hunter, Freeman S., assignor.)
- Hunter, Perry A., Clackamas, Oreg. Wagon-jack. No. 1,083,614; Jan. 6; Gaz. vol. 198; p. 118.
- Hunter, Philip V., Newcastle-upon-Tyne, England. Arrangement for protecting electric circuits and apparatus. No. 1,088,901; Mar. 3; Gaz. vol. 200; p. 78.
- Hunter, Philip V., Newcastle-upon-Tyne, England. Cable for electric-current-distributing systems. No. 1,088,902; Mar. 3; Gaz. vol. 200; p. 78.
- Hunter, Philip V., Heaton, England. Protection of feeders of electrical distribution systems. No. 1,091,225; Mar. 24; Gaz. vol. 200; p. 999.
- Hunter, Philip V., Heaton, Newcastle-upon-Tyne, England. Distribution of electrical energy. No. 1,104,733; July 21; Gaz. vol. 204; p. 959.
- Hunter, Robert, assignor of one-eighth to H. L. Williams and one-fourth to H. W. Greenberg, Spokane, Wash. Engine. No. 1,097,548; May 19; Gaz. vol. 202; p. 892.
- Hunter, Rudolph M., Philadelphia, Pa., assignor, by mesne assignments, to Northern Equipment Company. Boiler-feed regulator. No. 1,117,388; Nov. 17; Gaz. vol. 208; p. 749.
- Hunter, Rudolph M., Philadelphia, Pa., assignor to Scott Paper Company. Sanitary cover for toilet-seats. No. 1,121,015; Dec. 15; Gaz. vol. 209; p. 820.
- Hunter, Samuel, Pittsburgh, Pa. Electric routing-machine. No. 1,109,755; Sept. 8; Gaz. vol. 206; p. 358.
- Hunter, Summers. (See Stevens, Clement H., assignor.)
- Hunting, Irving A., Plainfield, N. J., assignor to W. S. Morse, Philadelphia, Pa. Web-controlling mechanism. No. 1,103,142; July 14; Gaz. vol. 204; p. 368.
- Hunting, Irving A., Plainfield, N. J., assignor to W. S. Morse, Philadelphia, Pa. Web-tension-controlling mechanism. No. 1,103,143; July 14; Gaz. vol. 204; p. 368.
- Hunting, Irving A., Plainfield, N. J., assignor to W. S. Morse, Philadelphia, Pa. Web-tension-controlling mechanism. No. 1,103,144; July 14; Gaz. vol. 204; p. 368.
- Huntington, Cory O., assignor of one-half to S. A. Agnew, Centralia, Wash. Adjustable saw-guard. No. 1,095,399; May 5; Gaz. vol. 202; p. 77.
- Huntington, Cory O., Centralia, Wash., assignor of one-half to G. G. Seely, Portland, Oreg. Mill-dog for head-blocks. No. 1,105,328; July 28; Gaz. vol. 204; p. 1216.
- Huntington, Howard, Princeton, N. J. Nautical apparatus. No. 1,093,186; Apr. 14; Gaz. vol. 201; p. 400.

Alphabetical list of patentees—Continued.

- Huntington, Samuel P., New Haven, Conn. Coin-handling apparatus. No. 1,110,263; Sept. 8; Gaz. vol. 206; p. 540.
- Huntington Specialty Company, The. (See Hicks, Harrison W., assignor.)
- Huntley, Harry H., assignor of one-half to E. H. Sithens, Millville, N. J. Hub-band and cooperating wrench. No. 1,094,905; Apr. 28; Gaz. vol. 201; p. 1083.
- Huntley Manufacturing Company. (See Morse, Theodore F., assignor.)
- Huntoon, Fred M. (See Button and Huntoon.)
- Huntsman, Robert F. R., Plainfield, N. J. Device for making smoke-rings. No. 1,103,514; July 14; Gaz. vol. 204; p. 494.
- Hunyadi, Louis, Cleveland, Ohio. Rail joint and chair. No. 1,104,193; July 21; Gaz. vol. 204; p. 772.
- Hunziker, Ernst, Zurich, Switzerland. Drying macaroni and similar material. No. 1,096,538; May 12; Gaz. vol. 202; p. 500.
- Hunziker, Samuel, Sutton, Nebr. Operating-pedals for grindstones or the like. No. 1,113,441; Oct. 13; Gaz. vol. 207; p. 403.
- Hupfel, Adolph G., New York, N. Y. Combined hop press and filter. No. 1,092,994; Apr. 14; Gaz. vol. 201; p. 333.
- Hupfel, Adolph G., New York, N. Y. Combined hop extractor and press. No. 1,119,512; Dec. 1; Gaz. vol. 209; p. 212.
- Hupp, Albert, Washington, D. C. Mail-exchange system. (Reissue.) No. 13,716; Apr. 21; Gaz. vol. 201; p. 850.
- Hupp, Charles A., assignor to Keen Kleener Manufacturing Company, Ottawa, Ill. Pulverizing apparatus. No. 1,121,631; Dec. 22; Gaz. vol. 209; p. 1070.
- Hupp, Elsie E. (See Hupp, Robert C., assignor.)
- Hupp Motor Car Company. (See Nelson, Emil A., assignor.)
- Hupp Motor Car Company. (See Watts and Hastings, assignors.)
- Hupp, Oscar L. (See Brees and Hupp.)
- Hupp, Robert C., assignor to E. E. Hupp, Detroit, Mich. Automobile-hood. No. 1,104,802; July 28; Gaz. vol. 204; p. 1032.
- Hurd, Benjamin. (See Le Pontois, Leon J., assignor.)
- Hurd, Cyrus G. (See Hurd, Zenus L., L. D., and C. G.)
- Hurd, Edward F., Minneapolis, Minn., assignor to F. K. Fassett, Dayton, Ohio. Differential gate mechanism. No. 1,086,531; Feb. 10; Gaz. vol. 199; p. 377.
- Hurd, Edward L., Milton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Forming knives. No. 1,090,153; Mar. 17; Gaz. vol. 200; p. 597.
- Hurd, Edward L., Milton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-rounding machine. No. 1,109,842; Sept. 8; Gaz. vol. 206; p. 388.
- Hurd, George H., assignor of one-half to W. R. Stacey, Farmington, N. H. Button and buttonhole marker. No. 1,094,334; Apr. 21; Gaz. vol. 201; p. 822.
- Hurd, George W. (See Stimpson, Walter F., assignor.)
- Hurd, L. D. (See Hurd, Zenus L., L. D., and C. G.)
- Hurd, Marcus C., Cassoday, Kans. Sterilizing-case. No. 1,092,716; Apr. 7; Gaz. vol. 201; p. 203.
- Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Pulley. No. 1,111,260; Sept. 22; Gaz. vol. 206; p. 972.
- Hurd, Zenus L., L. D., and C. G., Nashville, Tenn. Ladder-foot. No. 1,119,081; Dec. 1; Gaz. vol. 209; p. 64.
- Hurdleston, O. G. (See Watkins, William J., assignor.)
- Hurff, George M., Peoria, assignor to W. D. Glidden, Ke-wanee, Ill. Seed-corn hanger. No. 1,093,856; Apr. 21; Gaz. vol. 201; p. 665.
- Hurlbert, Edward C., St. Johns, Oreg. Stool. No. 1,111,586; Sept. 22; Gaz. vol. 206; p. 1084.
- Hurlbert, Warner S., *et al.* (See Smith, Walton D., assignor.)
- Hurlburt, Watson, Chicago, Ill. Package-handle. No. 1,109,290; Sept. 1; Gaz. vol. 206; p. 153.
- Hurlbut, Charles F., Oak Park, Ill. Motor-cycle clutch. No. 1,099,651; June 9; Gaz. vol. 203; p. 483.
- Hurlbut, Milan, Waller, Tex. Combined plow and fertilizer-distributor. No. 1,109,756; Sept. 8; Gaz. vol. 206; p. 259.
- Hurley, David J., Sale, Victoria, Australia. Controller for doors and like movable structures. No. 1,113,997; Oct. 20; Gaz. vol. 207; p. 635.
- Hurley, John L., Woodlawn, Pa. Apparatus for polishing rolls. No. 1,088,424; Feb. 24; Gaz. vol. 199; p. 1129.
- Hurley Machine Company. (See Fisher, Alva J., assignor.)
- Hurley, Samuel D., Lake Como, N. J. Lawn-mower. No. 1,110,058; Sept. 8; Gaz. vol. 206; p. 466.
- Hurley, William L., Svensen, Oreg. Drag-saw mechanism. No. 1,110,789; Sept. 15; Gaz. vol. 206; p. 765.
- Hurley, William M., Rockland, Mass. Eyelet. No. 1,109,647; Sept. 1; Gaz. vol. 206; p. 279.
- Hurrell, William, McKeesport, Pa. Tool-case for bicycles. No. 1,121,366; Dec. 15; Gaz. vol. 209; p. 942.
- Hurst, Albert K., Dallas, Tex. Garment-waist adjuster. No. 1,094,654; Apr. 28; Gaz. vol. 201; p. 996.
- Hurst, Elza R., Orient, Ohio. Gate. No. 1,111,001; Sept. 29; Gaz. vol. 206; p. 1234.
- Hurst, Lindza L., Glenwood Place, Ind. Round-top work. No. 1,117,674; Nov. 17; Gaz. vol. 208; p. 850.
- Hurst, Wilford L., Aspen, Colo. Controlling device for waterways. No. 1,093,425; Apr. 14; Gaz. vol. 201; p. 480.
- Hurst, Willis T., Pittsburgh, Pa. Casting mechanism. No. 1,115,201; Oct. 27; Gaz. vol. 207; p. 1116.
- Hurst Silo Company, The. (See Henkle, Guy C., assignor.)
- Hurt, Ambrose P., Anderson, S. C., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Device for placing travelers on rings of spinning-machines. No. 1,110,690; Sept. 15; Gaz. vol. 206; p. 731.
- Hurt, Ambrose P., Anderson, S. C., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Device for placing travelers on the rings of spinning-machines. No. 1,110,691; Sept. 15; Gaz. vol. 206; p. 732.
- Hurt, Belle, Indian, Va. Towel-rack. No. 1,118,553; Nov. 24; Gaz. vol. 208; p. 1198.
- Hurwitz, Eugen, Berlin, Germany, assignor, by mesne assignments, to General Electric Company. Manufacture of metallic illuminating bodies for electric incandescent lamps. No. 1,099,704; June 9; Gaz. vol. 203; p. 502.
- Husch, George S. (See Husch, Sylvester B. and G. S.)
- Husch, Sylvester B. and G. S., New York, N. Y. Tooth-brush. No. 1,103,515; July 14; Gaz. vol. 204; p. 494.
- Huse, Charles A., assignor of one-half to L. L. Hallman, Philadelphia, Pa. Refrigerator-car. No. 1,098,904; June 2; Gaz. vol. 203; p. 186.
- Huseby, Albert A., Chicago, Ill. Pedal-action for pianos. No. 1,085,915; Feb. 3; Gaz. vol. 199; p. 118.
- Huss, Henry, Greenwich, Conn. Liquid-dispensing device. No. 1,086,532; Feb. 10; Gaz. vol. 199; p. 377.
- Hussey, Asabel H., Whittier, Cal. Train-stopping apparatus. No. 1,112,372; Sept. 29; Gaz. vol. 206; p. 1393.
- Hussey, Frank W., and C. H. Doty, assignors to The Kilbourne and Jacobs Manufacturing Company, Columbus, Ohio. Truck. No. 1,093,560; Apr. 14; Gaz. vol. 201; p. 521.
- Hussey, Richard B., Swampscott, Mass., assignor to General Electric Company. Method and apparatus for correcting artificial light. No. 1,101,026; June 23; Gaz. vol. 203; p. 1048.
- Huster, Frank. (See Roberts, William B., assignor.)
- Huston, Frank, Lewis, Kans. Box-lid holder. No. 1,116,285; Nov. 3; Gaz. vol. 208; p. 278.
- Huston, George M., New York, N. Y., assignor to Huston Multiple C Spring Company. Vehicle-spring. (Reissue.) No. 13,677; Jan. 20; Gaz. vol. 198; p. 672.
- Huston, John T., Henderson, Tex. Peanut-shelling machine. No. 1,103,291; July 14; Gaz. vol. 204; p. 419.
- Huston, Lewis A., New York, N. Y. Vehicle-spring. (Reissue.) No. 13,676; Jan. 13; Gaz. vol. 198; p. 476.
- Huston Multiple C Spring Company. (See Huston, George M., assignor.) (Reissue.)
- Huston, Thomas H., assignor of one-half to W. C. Headen, Shelbyville, Ill. Flue-stopper. No. 1,119,166; Dec. 1; Gaz. vol. 209; p. 93.
- Hutchens, Lewis A. (See Moore and Hutchens.)
- Hutches, Benjamin F., Jr., Allendale, N. J. Circuit-changer for electric railways. No. 1,087,537; Feb. 17; Gaz. vol. 199; p. 777.
- Hutches, Benjamin F., Jr., Allendale, N. J. Electromotor. No. 1,116,705; Nov. 10; Gaz. vol. 208; p. 471.
- Hutchings, Floyd O., San Francisco, Cal. Barber-pole. No. 1,099,879; June 9; Gaz. vol. 203; p. 561.
- Hutchings, George F., Kansas City, Mo., and C. A. Woody, Denver, Colo., assignors to J. M. Jones, trustee. Mixing-machine. No. 1,092,771; Apr. 7; Gaz. vol. 201; p. 222.
- Hutchings, Tresham F. E., New York, N. Y. Vehicle-wheel. No. 1,104,899; July 28; Gaz. vol. 204; p. 1066.
- Hutchings, William T., *et al.* (See Kaylor, William, assignor.)
- Hutchins Car Roofing Company. (See Hawksworth, David W., assignor.)
- Hutchins Car Roofing Company. (See Pape, Charles F., assignor.)
- Hutchins Car Roofing Company. (See Thompson, William D., assignor.)
- Hutchins Car Roofing Company. (See Thompson and Hawksworth, assignors.)
- Hutchins Car Roofing Company. (See Whyte, Frederick M., assignor.)
- Hutchins, Elmer N., *et al.*, executors. (See Orcutt, Edward L.)
- Hutchins, Frank E., *et al.* (See Rosentreter, Albert J., assignor.)
- Hutchins, John E., Middletown, Conn. Muffler for gas-engines. No. 1,120,387; Dec. 8; Gaz. vol. 209; p. 551.
- Hutchinson, Charles W., New York, N. Y. Window-shade fixture. No. 1,114,991; Oct. 27; Gaz. vol. 207; p. 1040.
- Hutchinson, Charles W., New Rochelle, assignor of forty-nine one-hundredths to C. W. Nisbett, New York, N. Y. Window-shade fixture. No. 1,114,990; Oct. 27; Gaz. vol. 207; p. 1040.
- Hutchinson, George, Christchurch, New Zealand. Weighing-scale. No. 1,099,051; June 2; Gaz. vol. 203; p. 233.
- Hutchinson, Joshua H., Cedarville, Cal. Jaw-trap. No. 1,103,977; June 23; Gaz. vol. 203; p. 1031.
- Hutchinson, Morton C., Woodbury, N. J. Hose-coupling. No. 1,083,742; Jan. 6; Gaz. vol. 198; p. 161.

Alphabetical list of patentees—Continued.

- Hutchinson, Thomas C., Decorah, Iowa. Tube-holder. No. 1,091,063; Mar. 24; Gaz. vol. 200; p. 941.
- Hutchinson, William F., assignor to Match Supply Company, Valatie, N. Y. Match-splint machine. No. 1,101,285; June 23; Gaz. vol. 203; p. 1136.
- Hutchinson, William F., assignor to Veneer Products Corporation, Valatie, N. Y. Machine for cutting and shaping articles from sheet-stock. No. 1,118,421; Nov. 24; Gaz. vol. 208; p. 1151.
- Hutchinson, William S., Oyster Bay, N. Y. Drum-brake. No. 1,093,330; Apr. 14; Gaz. vol. 201; p. 449.
- Hutchison, George D., Barstow, Cal. Nut-lock. No. 1,098,441; June 2; Gaz. vol. 203; p. 30.
- Hutchison, Miller R., Summit, N. J. Intercommunicating telephonic apparatus. No. 1,085,916; Feb. 3; Gaz. vol. 199; p. 119.
- Hutchison, Miller R., New York, N. Y., assignor to Lovell-McConnell Manufacturing Company. Horn or signal device. No. 1,087,538; Feb. 17; Gaz. vol. 199; p. 778.
- Hutchison, Miller R., New York, N. Y., assignor to Lovell-McConnell Manufacturing Company. Horn or signaling device. No. 1,102,586; July 7; Gaz. vol. 204; p. 129.
- Hutchison, Miller R., Orange, N. J., assignor to Lovell-McConnell Manufacturing Company. Diaphragm-horn. No. 1,094,403; Apr. 21; Gaz. vol. 201; p. 846.
- Hutchison, Miller R., West Orange, N. J., assignor to Lovell-McConnell Manufacturing Company. Diaphragm-horn. No. 1,120,057; Dec. 8; Gaz. vol. 209; p. 434.
- Hutchison, Miller R., West Orange, N. J., assignor to Lovell-McConnell Manufacturing Company. Diaphragm-horn. No. 1,120,618; Dec. 8; Gaz. vol. 209; p. 634.
- Hutchison, Miller R., West Orange, N. J., assignor to Lovell-McConnell Manufacturing Company. Diaphragm-horn. No. 1,120,619; Dec. 8; Gaz. vol. 209; p. 634.
- Hutchison, Miller R., Bronxville, N. Y., assignor to Lovell-McConnell Manufacturing Company. Horn and similar instrument. No. 1,111,463; Sept. 22; Gaz. vol. 206; p. 1042.
- Hutchison, Miller R., assignor to Edison Storage Battery Company, West Orange, N. J. Safety device for secondary cells. No. 1,116,893; Nov. 10; Gaz. vol. 208; p. 536.
- Hutchison, Miller R., assignor to Edison Storage Battery Company, West Orange, N. J. Charging secondary batteries. No. 1,117,493; Nov. 17; Gaz. vol. 208; p. 786.
- Hutchison, William T., South Bend, Ind. Traction-engine. No. 1,097,323; May 19; Gaz. vol. 202; p. 817.
- Huthsing, Charles K., St. Louis, Mo. Hose construction. No. 1,104,508; July 21; Gaz. vol. 204; p. 881.
- Hutson, William A., Kansas City, Mo., assignor of one-half to W. M. Freeman, Pauls Valley, Okla. Flying-machine. No. 1,087,946; Feb. 24; Gaz. vol. 199; p. 965.
- Hutt, John F., Hartford, Wis. Hat-rack. No. 1,116,706; Nov. 10; Gaz. vol. 208; p. 471.
- Huttelmaier, Gustav E. (See Housman and Huttelmaier.)
- Huttenbow, Kate, Marshalltown, Iowa. Cover-fastener. No. 1,099,178; June 9; Gaz. vol. 203; p. 320.
- Huttenlocher, Friedrich, Charlottenburg, and R. Laufer, Köpenick, near Berlin, Germany. Indicator mechanism. No. 1,114,362; Oct. 20; Gaz. vol. 207; p. 764.
- Hutto, Oscar D., Okahumpka, Fla. Folding poultry-coop. No. 1,120,058; Dec. 8; Gaz. vol. 209; p. 435.
- Hutto, Oscar L., Pelion, S. C. Vending-machine. No. 1,092,218; Apr. 7; Gaz. vol. 201; p. 33.
- Hutton, Amos, assignor to Massachusetts Saw Works, Springfield, Mass. Adjustable vise for hacksaws. No. 1,111,385; Sept. 22; Gaz. vol. 206; p. 1015.
- Hutton, Eugene H., Charleston, Ill. Corn-planter. No. 1,115,544; Nov. 3; Gaz. vol. 208; p. 27.
- Hutton, Henry T., Donaghadee, Ireland. Manual or foot operated air-pump. No. 1,115,941; Nov. 3; Gaz. vol. 208; p. 161.
- Hutton, Homer F., Jeffers, Mont. Threshing-machine. No. 1,098,802; June 2; Gaz. vol. 203; p. 150. [Withdrawn.]
- Hutton, Homer F., Jeffers, Mont. Grain-separator. No. 1,098,803; June 2; Gaz. vol. 203; p. 151.
- Hutts, Milton T. (See Mullins, Ollie, assignor.)
- Huyck, Francis P. (See Zellin and Huyck.)
- Huyck, Francis P., assignor to C. E. Haynes, Toledo, Ohio. Surfacing and polishing machine. No. 1,086,368; Feb. 10; Gaz. vol. 199; p. 321.
- Huyck, Francis P., assignor of one-half to J. D. R. Lamson, Toledo, Ohio. Embroidery-hoop. No. 1,098,442; June 2; Gaz. vol. 203; p. 30.
- Hyatt, Albert R., Olds, Iowa. Couch. No. 1,099,092; June 2; Gaz. vol. 203; p. 245.
- Hyatt, Charles E., East Orange, N. J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,102,337; July 7; Gaz. vol. 204; p. 41.
- Hyatt, John W., Newark, N. J. Bowling-ball with composition coating and gripping-sockets. No. 1,111,022; Sept. 22; Gaz. vol. 206; p. 890.
- Hyatt, John W., Newark, N. J. Bowling-ball with self-contained handle. No. 1,111,023; Sept. 22; Gaz. vol. 206; p. 890.
- Hyatt Roller Bearing Company. (See Bell, John C., assignor.)
- Hyatt Roller Bearing Company. (See Lockwood, Charles S., assignor.)
- Hyatt, William P., and J. W. Brown, Sacramento, Cal. Keyhole-lock. No. 1,120,816; Dec. 15; Gaz. vol. 209; p. 750.
- Hybinette, Noak V., Christiania, Norway. Electrolytic production of copper. No. 1,084,150; Jan. 13; Gaz. vol. 198; p. 326.
- Hybinette, Noak V., Christiania, Norway. Extracting copper from ores. No. 1,122,759; Dec. 29; Gaz. vol. 209; p. 1499.
- Hybinette, Victor, Fredericktown, Mo. Separating copper from nickel and cobalt. No. 1,098,443; June 2; Gaz. vol. 203; p. 31.
- Hyde, Catherine, administratrix. (See Hyde, John.)
- Hyde, Charles A., Clear Spring, Md. Detachable tread-cleat for tractors. No. 1,114,768; Oct. 27; Gaz. vol. 207; p. 960.
- Hyde, James M., Berkeley, Cal. Smelting zinc ores. No. 1,118,012; Nov. 24; Gaz. vol. 208; p. 1007.
- Hyde, John, deceased, Pittsburgh, Pa.; C. Hyde, administratrix. Fuel apparatus. No. 1,090,104; Mar. 10; Gaz. vol. 200; p. 539.
- Hyde, John, deceased, Pittsburgh, Pa.; C. Hyde, administratrix. Fuel-feeding apparatus. No. 1,116,066; Nov. 3; Gaz. vol. 208; p. 205.
- Hyde, John, deceased, Knoxville, Pa.; C. Hyde, administratrix. Pulverizer. No. 1,118,775; Nov. 24; Gaz. vol. 208; p. 1273.
- Hyde, John H., Tacoma, Wash. Emergency ship-brake. No. 1,087,660; Feb. 17; Gaz. vol. 199; p. 823.
- Hyde, Ralph M., Westfield, N. Y. Furnace-damper regulator. No. 1,104,509; July 21; Gaz. vol. 204; p. 882.
- Hyde, Warren, and J. Schwarzler, New York, N. Y. Ball-cock. No. 1,090,717; Mar. 17; Gaz. vol. 200; p. 790.
- Hyder, Frederick, Pittsfield, Mass. Electric imprinter. No. 1,119,701; Dec. 1; Gaz. vol. 209; p. 275.
- Hydraulic Press Manufacturing Company, The. (See Stevenson, Francis E., assignor.)
- Hydraulic Pressed Steel Company, The. (See Gruber, Edward, assignor.)
- Hydraulic Pressed Steel Company, The. (See Foster, James H., assignor.)
- Hydro-Apparatebauanstalt. (J. Von Geldern & Co.). (See Friese and Graafen, assignors.)
- Hydro Manufacturing Company. (See Lawrence, George E., assignor.)
- Hydro Vacuum Smelting Co. (See Heslewood, William R., assignor.)
- Hydrocarbon Burner Manufacturing Company. (See Meltzer, Edward, assignor.)
- Hydrocarbon Company, The. (See Ross, James C., assignor.)
- Hyer, Charles J., Tampa, Fla. Reinforced concrete construction. No. 1,090,718; Mar. 17; Gaz. vol. 200; p. 791.
- Hyer, Eugene, Salem, Mo. Box-opener. No. 1,112,801; Oct. 6; Gaz. vol. 207; p. 137.
- Hylan, John P., Stoneham, Mass. Corn-knife. No. 1,091,576; Mar. 31; Gaz. vol. 200; p. 1158.
- Hyle, Jacob A., Philadelphia, and J. W. Herman, assignors to National Steel Tie Company, Harrisburg, Pa. Railway-tie and rail-fastening. No. 1,108,370; Aug. 25; Gaz. vol. 205; p. 1114.
- Hyman, Charles H., assignor of one-half to W. J. Solis, Denver, Colo. Change-receiving device. No. 1,106,385; Aug. 11; Gaz. vol. 205; p. 320.
- Hyman, Henry, Brooklyn, assignor to Interstate Electric Novelty Co., New York, N. Y. Pistol flash-light. No. 1,098,628; June 2; Gaz. vol. 203; p. 94.
- Hyman, Max, Relee, Va. Well-digging or earth-boring apparatus. No. 1,088,903; Mar. 3; Gaz. vol. 200; p. 79.
- Hyman, Meyer S. (See Palmer, Herbert R., assignor.)
- Hymer, Curtis W., assignor to Larned, Carter & Company, Detroit, Mich. Garment. No. 1,121,367; Dec. 15; Gaz. vol. 209; p. 942.
- Hynds, David H., Todd, Tex. Railway-tie. No. 1,088,904; Mar. 3; Gaz. vol. 200; p. 79.
- Hynes, Lee P., assignor to Railway Utility Co., Chicago, Ill. Thermostatic valve mechanism. No. 1,115,545; Nov. 3; Gaz. vol. 208; p. 27.
- Hynes Shade Guide Company. (See Richter, Herman F., assignor.)
- Hyra, Emil, and K. Klinkosch, Vienna, Austria-Hungary. Pyrotechnical illuminating device. No. 1,095,869; May 5; Gaz. vol. 202; p. 236.
- Hyson, Samuel A., Akron, Ohio. Multiple-dasher rotary churn. No. 1,108,991; Sept. 1; Gaz. vol. 206; p. 47.
- Hysore, Charles E., assignor to Chester Steel Castings Company, Chester, Pa. Stake socket and seat for bunk-cars. No. 1,102,151; June 30; Gaz. vol. 203; p. 1489.
- I. B. Kleinert Rubber Company. (See Guinzburg, Victor, assignor.)
- I. E. Palmer Company, The. (See Palmer, Isaac E., assignor.)
- I X L Pump and Manufacturing Company. (See Levering, Henry W., assignor.)
- Iacovino, Pietro, New York, N. Y. Arch-support for shoes. No. 1,089,378; Mar. 3; Gaz. vol. 200; p. 239.
- Iams, Lewis A., Taylor, N. D. Self-acting sugar bowl. No. 1,096,430; May 12; Gaz. vol. 202; p. 464.

Alphabetical list of patentees—Continued.

- Ibach, Fritz, Breitenbruch, Remscheid-Hasten, Germany. Sawing-machine for rails and the like. No. 1,120,718; Dec. 15; Gaz. vol. 209; p. 716.
- Ibach, Gideon R., Allentown, Pa. Internal-combustion engine. No. 1,086,180; Feb. 3; Gaz. vol. 199; p. 213.
- Ibarra, José, Habana, Cuba. Stamp-feeding mechanism. No. 1,114,478; Oct. 20; Gaz. vol. 207; p. 809.
- Ibberson, Thomas E., Minneapolis, Minn. Indicating device for bins. No. 1,111,464; Sept. 22; Gaz. vol. 206; p. 1042.
- Icard, André J., Toulon, France. Automatic block system for preventing collisions on railways. No. 1,094,906; Apr. 28; Gaz. vol. 201; p. 1084.
- Iceless Refrigeration Company, The. (See Southworth and Armstrong, assignors.)
- Ickes, George A., Altoona, Pa. Refrigerator. No. 1,094,072; Apr. 21; Gaz. vol. 201; p. 738.
- Icsiar, Adrian de, Ligao, Philippine Islands. Apparatus for extracting the fiber from the stalk of the abaca-plant. No. 1,108,075; Aug. 18; Gaz. vol. 205; p. 963.
- Icy-Hot Bottle Company, The. (See Altenberg, George P., assignor.)
- Idaka, Senichi, Seattle, Wash. Removable carrier attachment for boxes and the like. No. 1,097,025; May 19; Gaz. vol. 202; p. 711.
- Ide, Harry L., Springfield, Ill. Animal-operated liquid-distributor. No. 1,096,244; May 12; Gaz. vol. 202; p. 400.
- Ide, Warren J., Kingston, assignor to The Adder Machine Company, Wilkes-Barre, Pa. Numeral-wheel lock. No. 1,095,400; May 5; Gaz. vol. 202; p. 77.
- Ideal Can Company. (See Lawlor, Michael W., assignor.)
- Ideal Coated Paper Co. (See McLaurin, John, assignor.)
- Ideal Coated Paper Co. (See Thom, George L., assignor.)
- Ideal Wheel Company, The. (See Strietelmeier, John E., assignor.)
- Idell, Elton G. (See Chew, David, assignor.)
- Idoine, Harry, Altoona, Pa. Locomotive sand-box. No. 1,092,268; Apr. 7; Gaz. vol. 201; p. 49.
- Idris & Co. (See Idris and Ross, assignors.)
- Idris, William T. W., Camden Town, London, and W. O. Ross, Hornsey, assignors to Idris & Co., Limited, London, England. Siphon for aerated liquids. No. 1,099,850; June 9; Gaz. vol. 203; p. 549.
- Idris, William T. W., and W. O. Ross, assignors to Idris & Co., Limited, London, England. Siphon for aerated liquids. No. 1,109,291; Sept. 1; Gaz. vol. 206; p. 154.
- Ielfield, Fred C., Silver Creek, N. Y. Mail-marking machine. No. 1,087,121; Feb. 17; Gaz. vol. 199; p. 631.
- Ielfield, Fred C., Silver Creek, N. Y. Mail-marking machine. No. 1,095,983; May 5; Gaz. vol. 202; p. 274.
- Iffert, Jean A. G., Frankfort-on-the-Main, Germany, assignor to United Shoe Machinery Company, Paterson, N. J. Pulling-over machine. No. 1,097,324; May 19; Gaz. vol. 202; p. 817.
- Ifkowitz, John A., Chicago, Ill. Measuring device. No. 1,083,684; Jan. 6; Gaz. vol. 198; p. 141.
- Ihlee, Frederick C., Peterborough, England. Baker's oven. No. 1,084,439; Jan. 13; Gaz. vol. 198; p. 420.
- Ihrcke, Frank. (See Brennecke, Herman J., assignor.)
- Ilg, Alfred, Zurich, Switzerland. Controlling device for subsequently identifying persons at a business, negotiations, and the like. No. 1,094,073; Apr. 21; Gaz. vol. 201; p. 738.
- Ilg, Robert A., Chicago, Ill. Smoke-abating system for railway-stations. No. 1,114,001; Oct. 20; Gaz. vol. 207; p. 636.
- Ilijnsky, Michael, Uerdingen-on-the-Rhine, and R. Tschunke, Breslau, assignors to R. Wedekind & Co., m. b. H., Uerdingen-on-the-Rhine, Germany. Yellow vat dye-stuff. No. 1,087,293; Feb. 17; Gaz. vol. 199; p. 693.
- Illenberger, Henry W., New Orleans, La. Antirattler and sash-adjuster for windows. No. 1,105,438; July 28; Gaz. vol. 204; p. 1255.
- Illitschko, Heinrich, *et al.* (See Snodgrass, Charley, assignor.)
- Illig, Adam J., Rozellville, Wis. Music-leaf turner. No. 1,098,263; May 26; Gaz. vol. 202; p. 1188.
- Illig, Heinrich, Frankfort-on-the-Main, Bockenheim, Germany. Protector-frame for screens. No. 1,094,443; Apr. 28; Gaz. vol. 201; p. 921.
- Illig, John H. (See Vallone and Illig.)
- Illingworth, John W., Dorsey, Md. Wood post and preserving same. No. 1,113,558; Oct. 13; Gaz. vol. 207; p. 444.
- Illinois Malleable Iron Company. (See Streeter, Alfred L., assignor.)
- Illinois Modern Button & Machine Company. (See Lauesen, Albert C., assignor.)
- Illinois-Pacific Glass Co. (See Corwin, Thornton J., assignor.)
- Illinois Watch Case Company. (See Eppenstein, Max C., assignor.)
- Illmer Gas Engine Company. (See Illmer, Louis, Jr., assignor.)
- Illmer, Louis, Jr., Reading, Pa., assignor to Illmer Gas Engine Company. Gas-engine. No. 1,089,132; Mar. 3; Gaz. vol. 200; p. 159.
- Illmer, Louis, Jr., Reading, Pa., assignor to Illmer Gas Engine Company. Internal-combustion engine. No. 1,089,133; Mar. 3; Gaz. vol. 200; p. 159.
- Illy, Armand. (See Clarke and Illy.)
- Ilse, Frank H., Detroit, Mich. Vehicle curtain-holder. No. 1,100,738; June 23; Gaz. vol. 203; p. 946.
- Iman, Orla H., Chicago, Ill., assignor, by mesne assignments, to Watson Solar Window Company, Carmel, N. Y. Metal-frame window. No. 1,086,533; Feb. 10; Gaz. vol. 199; p. 378.
- Iman, Orla H., assignor to Voigtmann & Company, Chicago, Ill. Fusible link. No. 1,120,817; Dec. 15; Gaz. vol. 209; p. 750.
- Imbert, Iwan, Ramonchamp, assignor to Societe J. et A. Kullmann and I. Imbert, Paris, France. Weft-replenishing mechanism. No. 1,095,870; May 5; Gaz. vol. 202; p. 237.
- Imhof, Eugen, Cannstatt, and I. Halle, Heilbronn, Germany. Last-testing tool. No. 1,084,637; Jan. 20; Gaz. vol. 198; p. 515.
- Imhof, Joseph A., assignor to Kaufmann & Strauss Co., New York, N. Y. Display-stand. No. 1,094,995; Apr. 28; Gaz. vol. 201; p. 1116.
- Imhof, Roger, Chicago, Ill. Illusion apparatus. No. 1,095,637; May 5; Gaz. vol. 202; p. 158.
- Imle, Emil. (See Donath, Max, assignor.)
- Immerheiser, Carl. (See Bohn and Immerheiser.)
- Immick, Frank J., Poughkeepsie, N. Y. Cracker or cake box. No. 1,083,832; Jan. 6; Gaz. vol. 198; p. 188.
- Impellitteri, Antonio. (See Impellitteri, Gaetano and A.)
- Impellitteri, Gaetano and A., New York, N. Y. Non-refillable bottle. No. 1,112,067; Sept. 29; Gaz. vol. 206; p. 1286.
- Imperial Brass Manufacturing Company. (See McCanna, John F., assignor.)
- Imperial Heater Company. (See Betker, Edward T., assignor.)
- Imperial Stopper Company. (See Gaynor, John J., assignor.)
- Imperial Stopper Company. (See Irenius, Joseph V., assignor.)
- Imperial Stopper Company. (See Miller, Eiseck C., assignor.)
- Imperial Sugar Company. (See Eldridge, William T., assignor.)
- Impey, Robert R. (See Platt, Hein, and Impey.)
- Improved Metal Products Company, The. (See Rubis-pierre, Bernard, assignor.)
- Improved Paper Machinery Company, The. (See Haug, Anton J., assignor.)
- Improved Paper Machinery Company, The. (See Parker, Howard, assignor.)
- Improved Sanitary Fixture Company. (See Barker, George H., assignor.)
- Indahl, Mauritz C. (See Bancroft and Indahl.)
- Indahl, Mauritz C., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Centering-pin-adjusting mechanism for type-machines. No. 1,117,494; Nov. 17; Gaz. vol. 208; p. 786.
- Independent Button Fastener Machine Company. (See Stenman, Elis F., assignor.)
- Independent Harvester Company. (See Nichols, Winfield S., assignor.)
- Independent Powder Company. (See Talley, Herbert, assignor.)
- Industrial Realization Company. (See Faller, Ernest A., assignor.)
- Infeld, Paul, Conway, N. D. Record-cabinet. No. 1,119,702; Dec. 1; Gaz. vol. 209; p. 276.
- Ingall, Clifford H. (See Lea and Ingall.)
- Ingalls, Allen G., Laprairie, assignor of one-half to C. M. Cotton, Montreal, Quebec, Canada. Can. No. 1,098,444; June 2; Gaz. vol. 203; p. 31.
- Ingalls, Charles H., Danvers, Mass., assignor to General Electric Company. Recording electric meter. No. 1,106,710; Aug. 11; Gaz. vol. 205; p. 436.
- Ingalls, Raymond E., Seattle, Wash. Hypodermic syringe. No. 1,105,275; July 28; Gaz. vol. 204; p. 1195.
- Ingalls, Willis A., Cleveland, Ohio. Knitting-machine. No. 1,121,251; Dec. 15; Gaz. vol. 209; p. 902.
- Ingalsbe, Edward L., Harrison, Nebr. Cross-rein buckle. No. 1,104,673; July 21; Gaz. vol. 204; p. 938.
- Ingalsbe, Julius, Basom, N. Y. Fastener for covers of pails. No. 1,103,208; July 14; Gaz. vol. 204; p. 392.
- Ingberg, Joakim M., Mayville, N. D. Sanitary drinking-fountain. No. 1,119,606; Dec. 1; Gaz. vol. 209; p. 243.
- Ingebritson, Ingabrit T., Dunbar, Iowa. Watering-trough. No. 1,117,389; Nov. 17; Gaz. vol. 208; p. 750.
- Ingells, James, Muskegon, Mich. Extension-table. No. 1,106,872; Aug. 11; Gaz. vol. 205; p. 494.
- Ingells, James, Muskegon, Mich. Extension-table. No. 1,122,205; Dec. 22; Gaz. vol. 209; p. 1269.
- Ingells, James, assignor of one-half to J. Hammerschmidt, Muskegon, Mich. Heater for dwellings. No. 1,085,917; Feb. 3; Gaz. vol. 199; p. 119.
- Ingenlath, Robert, San Francisco, Cal. Hanger for clothes and the like. No. 1,106,511; Aug. 11; Gaz. vol. 205; p. 367.
- Ingersoll, Clarence B. (See Ingersoll, Homer H. and C. B.)
- Ingersoll Electric Vaporizer Co. (See Ingersoll, Homer H. and C. B., assignors.)
- Ingersoll, Frank E., Portland, Me. Hermetically-sealed food-pack. No. 1,099,603; June 9; Gaz. vol. 203; p. 467.

Alphabetical list of patentees—Continued.

Ingersoll, Homer H. and C. B., Chicago, Ill., assignors to Ingersoll Electric Vaporizer Co. Fuel-vaporizer for explosion-engines. No. 1,106,386; Aug. 11; Gaz. vol. 205; p. 320.

Ingersoll, Luther A., Santa Monica, Cal. Food-chopper. No. 1,097,325; May 19; Gaz. vol. 202; p. 817.

Ingersoll, M. H. (See Glidden, Samuel H., assignor.)

Ingersoll Milling Machine Company, The. (See Smith, George W., assignor.)

Ingersoll-Rand Company. (See Adolph, John U., assignor.)

Ingersoll-Rand Company. (See Banner, Otto, assignor.)

Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)

Ingersoll-Rand Company. (See Bayles and Taylor, assignors.)

Ingersoll-Rand Company. (See Carter, Russell S., assignor.)

Ingersoll-Rand Company. (See Gibson, Arthur H., assignor.)

Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)

Ingersoll-Rand Company. (See Longacre, Frederick V. D., assignor.)

Ingersoll-Rand Company. (See McDowell, Robert G., assignor.)

Ingersoll-Rand Company. (See Ovenden, Frederick V. D., assignor.)

Ingersoll-Rand Company. (See Peck, Caid H., assignor.)

Ingersoll-Rand Company. (See Prellwitz, William, assignor.)

Ingersoll-Rand Company. (See Raymond, Ward, assignor.)

Ingersoll-Rand Company. (See Taylor, Albert H., assignor.)

Ingersoll-Rand Company. (See Taylor and Bayles, assignors.)

Ingersoll-Rand Company. (See Treiber, William F., assignor.)

Inghram, Howard T., Fairfield, Iowa. Mop-wringer. No. 1,093,932; Apr. 21; Gaz. vol. 201; p. 691.

Ingle, Arthur G., Seiling, Okla. Display-rack for axes. No. 1,095,401; May 5; Gaz. vol. 202; p. 77.

Ingle System Company, The. (See Grimes, James B., assignor.)

Inglee, Clinton. (See Hodgman and Inglee.)

Ingles, James, Ossining, N. Y. Clapboard-gage and shingle-holder. No. 1,115,202; Oct. 27; Gaz. vol. 207; No. 1116.

Inglethron, William C. (See Harris, Rasmusson, and Inglethron.)

Inglis, Charles E., Malden, Mass. Non-refillable bottle. No. 1,111,155; Sept. 22; Gaz. vol. 206; p. 936.

Ingoldsby, Frank S., Pine Lake, Mich. Harvester for beets and other root crops. No. 1,111,538; Sept. 22; Gaz. vol. 206; p. 1067.

Ingram, Joseph D., Washburn, Tex. Traction-engine. No. 1,085,812; Feb. 3; Gaz. vol. 199; p. 84.

Ingram, Thomas C., Toronto, Ontario, Canada, assignor to E. L. Schwabenland, Riverton, N. J. Fountain-brush. No. 1,089,220; Mar. 3; Gaz. vol. 200; p. 188.

Ingstrom, Albin, Mechanicsville, N. Y. Railway-car construction. No. 1,106,873; Aug. 11; Gaz. vol. 205; p. 494.

Ingwer, Carl H., *et al.* (See Trifford, John G., assignor.)

Initial Company. (See Day, Leonard, assignor.)

Inman, Edward R. (See Crawford and Inman.)

Inman, Eli G. (See Inman, George S., assignor.)

Inman, George A., Providence, R. I. Protector-plate. No. 1,119,082; Dec. 1; Gaz. vol. 209; p. 64.

Inman, George S., assignor of one-half to E. G. Inman, Chicago, Ill. Dimmer device for vehicle-headlights. No. 1,100,484; June 16; Gaz. vol. 203; p. 807.

Inman, Harry A., Amsterdam, N. Y. Machine for applying gum and tape to paper-box blanks. No. 1,098,385; June 2; Gaz. vol. 203; p. 9.

Inman, Harry A., Amsterdam, N. Y. Box-making machine. No. 1,098,386; June 2; Gaz. vol. 203; p. 10.

Inman, Harry A., Amsterdam, N. Y. Machine for bailing paper pails. No. 1,104,803; July 28; Gaz. vol. 204; p. 1032.

Inman, Harry A., Amsterdam, N. Y. Box-folding machine. No. 1,115,822; Nov. 3; Gaz. vol. 208; p. 119.

Inman, Harry A., assignor to Inman Manufacturing Company, Incorporated, Amsterdam, N. Y. Box-making machine. No. 1,118,863; Nov. 24; Gaz. vol. 208; p. 1302.

Inman, Horace, deceased, by Inman Manufacturing Co., Inc., Amsterdam, N. Y. Paper-box machine. (Reissue.) No. 13,807; Oct. 13; Gaz. vol. 207; p. 577.

Inman, Jesse E., Salt Lake City, Utah. Plant-pot. No. 1,113,350; Oct. 13; Gaz. vol. 207; p. 370.

Inman Manufacturing Co. (See Inman, Horace.) (Reissue.)

Inman Manufacturing Company. (See Inman, Harry A., assignor.)

Inman Manufacturing Company. (See Joslin, Frank M., assignor.)

Inman, William H., Keokuk, Iowa. Bottle-cap. No. 1,107,522; Aug. 18; Gaz. vol. 205; p. 769.

Innes, Albert E., Denver, Colo. Adjustable bridge for trial-frames. No. 1,105,790; Aug. 4; Gaz. vol. 205; p. 71.

Innes, William, Liverpool, England. Apparatus for producing lead oxid. No. 1,113,123; Oct. 6; Gaz. vol. 207; p. 245.

Innis, Warren H., Jr., Sacramento, Cal. Auto emergency-brake. No. 1,088,151; Feb. 24; Gaz. vol. 199; p. 1038.

Innovation Specialty Company. (See Hopkins, Alfred, assignor.)

Innovation Trunk Company. (See Bonsall, Seymour W., assignor.)

Innovation Shirt Company. (See Phillips, Max, assignor.)

Inscho, Sidney D. (See Gauch and Inscho.)

Inscho, Sidney D., Shelby, Ohio. Memorandum or pad holder. No. 1,110,488; Sept. 15; Gaz. vol. 206; p. 660.

Inshaw, George R. (See Inshaw, John G. and G. R.)

Inshaw, John G. and G. R., near Gartcosh, Scotland. Apparatus for the manufacture of hollow metal blooms or billets and tubes therefrom. No. 1,118,864; Nov. 24; Gaz. vol. 208; p. 1303.

Interlaced Curled Hair Company. (See Maussner, Frederick, assignor.)

Interlocking Fence Company. (See Stoddard, John D., assignor.)

International Accessories Manufacturing Company. (See McGuire, Thomas F., assignor.)

International Acheson Graphite Company. (See Williamson, Arthur M., assignor.)

International Aeronautical Construction Company. (See Vaniman, Melvin, assignor.)

International Agricultural Corporation. (See Peacock, Samuel, assignor.)

International Automobile Supply Co. (See Tollefson, Victor E., assignor.)

International Barrel Company. (See Robinson, Edward W., assignor.)

International Color & Chemical Co. (See Ramage, Alexander S., assignor.)

International Cork Company, The. (See Bogdanffy, Alexander, assignor.)

International Corset Company. (See Schopbach, Charles H., assignor.) (Reissue.)

International Electric Company. (See McGarvey, Edward, assignor.)

International Engineering Works. (See Macdonald and Robb, assignors.)

International Equipment Company. (See Mudd, Francis X., assignor.)

International Gas Development Company. (See Benner, Henry W., assignor.)

International Haloid Company. (See Du Pont, Francis I., assignor.)

International Harvester Company. (See Hagadone, Clinton E., assignor.)

International Harvester Company. (See Johnston and Longenecker, assignors.)

International Harvester Company. (See Ryther, Frank A., assignor.)

International Harvester Company. (See Sharp, James A., assignor.)

International Harvester Company of New Jersey. (See Grieves, Albert, assignor.)

International Harvester Company of New Jersey. (See Sharp, Charles S., assignor.)

International Harvester Company of New Jersey. (See Schutt, Duny A., assignor.)

International Harvester Company of New Jersey. (See Smith, Daniel W., assignor.)

International Harvester Corporation. (See Kane, Edmund J., assignor.)

International Harvester Corporation. (See Lucke and Ver Planck, assignors.)

International Harvester Corporation. (See Moxey, James A., assignor.)

International Heater Company. (See Camp, George E., assignor.)

International Inventing and Promoting Company. (See Armbruster and Dempsey, assignors.)

International Lace Company. (See Lackey, George E., assignor.) (Reissue.)

International Machine Corporation. (See Campbell, Irving E., assignor.)

International Machine Corporation. (See Dieckmann, Carl F., assignor.)

International Machine Corporation. (See Green, George F., assignor.)

International Manufacturing Company, The. (See Kime, Orville F., assignor.)

International Mausoleum Company. (See Holmes, Frank A., assignor.)

International Metal Products Co., The. (See Carnahan, Robert B., Jr., assignor.)

International Motor Company. (See Mueller, Frank, assignor.)

International Nickel Company, The. (See Thompson and Seelye, assignors.)

International Nitrogen and Power Company, The. (See Buckle, Edmund A., assignor.)

Alphabetical list of patentees—Continued.

- International Oxygen Company. (See Halter, Georges, assignor.)
- International Oxygen Company. (See Levin, Isaac H., assignor.)
- International Pavement Company, The. (See Whitney, George E., assignor.)
- International Postal Supply Company of New York. (See Jahn, Frederick G., assignor.)
- International Quadruplex Company. (See Kitsee, Isidor, assignor.)
- International Signal Co., The. (See Webb, Jean F., Jr., assignor.)
- International Silver Co. (See Munson, George D., assignor.)
- International Silver Co. (See Shiels and Bampton, assignors.)
- International Stamp and Ticket Machine Company. (See Richards, George L., assignor.)
- International Steam Pump Company. (See Fleming, Wills M., assignor.)
- International Steam Pump Company. (See Hewitt, William B., assignor.)
- International Steam Pump Company. (See Moffat, William Y., assignor.)
- International Steam Pump Company. (See Riesner, Michael, assignor.)
- International Steam Pump Company. (See Scott, Clarence N., assignor.)
- International Time Recording Company of New York, The. (See Bryce, James W., assignor.)
- International Time Recording Company of New York. (See Goss, Harry T., assignor.)
- International Time Recording Company of New York. (See Larrabee, Clinton E., assignor.)
- International Time Recording Company of New York. (See Tomlinson, Charles E., assignor.)
- International Typesetting Machine Company. (See Armstrong, Henry A., assignor.)
- International Typesetting Machine Company. (See Bertram, William E., assignor.)
- International Typesetting Machine Company. (See Homans, Thomas S., assignor.)
- International Typesetting Machine Company. (See Sperry, Samuel E., assignor.)
- International Typesetting Machine Company. (See Toepfritz, Richard, assignor.)
- International Typesetting Machine Company. (See White, Woolman G., assignor.)
- International Wire Company. (See Cook, Edward H., assignor.)
- Internationale Feuerlöscher Gesellschaft m. b. H. (See Hinkel, Friedrich W., assignor.)
- Internationale Neverfail Patentkurbelfenster G. m. b. H. (See Oehring, Oscar, assignor.)
- Internationale Siegwartbalken-Gesellschaft. (See Wilhelm, Otto, assignor.)
- Interocean Transport Company, The. (See Jack, Charles P. M., assignor.)
- Interstate Electric Novelty Co. (See Block, Joseph, assignor.)
- Interstate Electric Novelty Co. (See Hyman, Henry, assignor.)
- Interstate Electric Novelty Co. (See Sagebrecht, Charles J., assignor.)
- Interstate Electric & Mfg. Co. (See Scharf, Frank W., assignor.)
- Interstate Electric Novelty Co. (See Wachtel, Charles, assignor.)
- Interstate Manufacturing Company. (See Baily, Robert W., assignor.)
- Interstate Roofing & Foundry Company. (See Britton, George G., assignor.)
- Invincible Manufacturing Company. (See Brandt, Lewis, assignor.)
- Ione Fire Brick Company. (See Hidecker, Carver, assignor.)
- Ionides, Alexander C., Jr., London, England. Device for obtaining a constant mixture of two elastic fluids. No. 1,095,871; May 5; Gaz. vol. 202; p. 237.
- Ipacs, Lukács, Pocahontas, Va. Life-boat. No. 1,100,739; June 23; Gaz. vol. 203; p. 947.
- Irby, James A., Walkerton, Ind. Portable fire-escape. No. 1,085,207; Jan. 27; Gaz. vol. 198; p. 746.
- Irelan, Alfred E., Philadelphia, Pa. Combined divan and couch-bed. No. 1,086,369; Feb. 10; Gaz. vol. 199; p. 321.
- Ireland, Herbert A., Norwich, N. Y. Carbureter. No. 1,084,151; Jan. 13; Gaz. vol. 198; p. 326.
- Ireland, Rex, Edison, Ohio. Auxiliary signal device. No. 1,107,794; Aug. 18; Gaz. vol. 205; p. 867.
- Ireland, Ward S., Owensboro, Ky. Type-writing machine. No. 1,098,113; May 26; Gaz. vol. 202; p. 1137.
- Ireland, Ward S., Owensboro, Ky. Type-writing machine. No. 1,098,114; May 26; Gaz. vol. 202; p. 1137.
- Ireland, Ward S., Owensboro, Ky. Stenographic type-writing machine. No. 1,098,115; May 26; Gaz. vol. 202; p. 1138.
- Ireland, Ward S., Owensboro, Ky. Stenographic writing-machine. No. 1,098,116; May 26; Gaz. vol. 202; p. 1138.
- Ireland, Ward S., Owensboro, Ky. Type-writing machine. No. 1,098,117; May 26; Gaz. vol. 202; p. 1139.
- Ireland, Ward S., Owensboro, Ky. Stenographic writing-machine. No. 1,098,118; May 26; Gaz. vol. 202; p. 1139.
- Irenius, Joseph V., Newark, N. J., assignor to Imperial Stopper Company. Bottle-feeding device for bottle-capping machines. No. 1,101,744; June 30; Gaz. vol. 203; p. 1344.
- Irion, Leslie C., Congerville, Ill. Agricultural machine. No. 1,111,465; Sept. 22; Gaz. vol. 206; p. 1042.
- Irish, David J. (See Peabody and Irish.)
- Irish, David J., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Burning finely-divided fuel. No. 1,086,712; Feb. 10; Gaz. vol. 199; p. 441.
- Irish, David J., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air-deflecting plate. No. 1,086,713; Feb. 10; Gaz. vol. 199; p. 441.
- Irish, David J., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Apparatus for burning finely-divided fuel. No. 1,086,714; Feb. 10; Gaz. vol. 199; p. 442.
- Irish, David J., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Apparatus for burning finely-divided fuel. No. 1,086,715; Feb. 10; Gaz. vol. 199; p. 442.
- Irish, David J., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Apparatus for burning finely-divided fuel. No. 1,102,510; July 7; Gaz. vol. 204; p. 100.
- Irish, William M. (See Van Dyke and Irish.)
- Irons and Russell Company. (See Thatcher, Charles L., assignor.)
- Ironsides, Matthew C., Kansas City, Kans. Car-coupling. No. 1,093,781; Apr. 21; Gaz. vol. 201; p. 639.
- Irrgang, Max R., Chicago, Ill. Beer and hop separator. No. 1,106,450; Aug. 11; Gaz. vol. 205; p. 343.
- Irsch, George J., Chicago, Ill. Package for decorative substances. No. 1,087,947; Feb. 24; Gaz. vol. 199; p. 966.
- Irvin, David S., *et al.* (See Williams, Joseph, Jr., assignor.)
- Irvin, John J., Bellwood, Pa. Universal-link chain. No. 1,105,518; July 28; Gaz. vol. 204; p. 1283.
- Irvin, John J., Bellwood, Pa. Dump-car. No. 1,121,505; Dec. 15; Gaz. vol. 209; p. 990.
- Irvin, John J., and W. Sheppard, Bellwood, Pa. Cardumping device. No. 1,106,220; Aug. 4; Gaz. vol. 205; p. 220.
- Irvin, Leslie A., assignor to Baker Iron Works, Los Angeles, Cal. Punching and riveting machine. No. 1,113,442; Oct. 13; Gaz. vol. 207; p. 403.
- Irvin, Luther C., assignor of one-half to A. M. Harter, Harter, W. Va. Fruit-picker. No. 1,087,294; Feb. 17; Gaz. vol. 199; p. 693.
- Irvine, Harry J., Blue Grass, Iowa. Rack-and-pinion device. No. 1,109,420; Sept. 1; Gaz. vol. 206; p. 201.
- Irvine, Howard S., Trenton, N. J. Surface-cleaning machine. No. 1,095,327; May 5; Gaz. vol. 202; p. 53.
- Irvine, John M., Williams Bay, Wis. Egg-tester. No. 1,106,348; Aug. 4; Gaz. vol. 205; p. 262.
- Irving, Alfred, and P. S. Ritherdon, Bolton, England. Folding side-car attachment for motor-cycles. No. 1,099,851; June 9; Gaz. vol. 203; p. 550.
- Irving, Ira W., assignor to The Traut & Hine Mfg. Co., Inc., New York, N. Y. Stropping-machine. No. 1,090,854; Mar. 24; Gaz. vol. 200; p. 868.
- Irving Iron Works Company. (See Berson, Nathan, assignor.)
- Irving, John J., Liverpool, England. Beacon for comparatively shallow water, (instead of buoys.) No. 1,107,197; Aug. 11; Gaz. vol. 205; p. 607.
- Irving-Pitt Manufacturing Company. (See Pitt, William P., assignor.)
- Irving, Walter E., Glenbrook, Conn. Means for fastening floor and sidewalk gratings. No. 1,105,791; Aug. 4; Gaz. vol. 205; p. 71.
- Irwin, A. L. (See Light, Claus H., assignor.)
- Irwin, Christopher F., Sandersville, Ga. Note-ledger. No. 1,099,803; June 9; Gaz. vol. 203; p. 534.
- Irwin, James, San Francisco, Cal. Releasing device. No. 1,086,667; Feb. 10; Gaz. vol. 199; p. 425.
- Irwin, Julie L., Merchantville, N. J. Support for golf-bags. No. 1,116,429; Nov. 10; Gaz. vol. 208; p. 368.
- Irwin, Marie C., Kansas City, Mo. Bedclothes-holder. No. 1,083,493; Jan. 6; Gaz. vol. 198; p. 77.
- Irwin, Richard, Farmington, Mo. Fence-post. No. 1,093,426; Apr. 14; Gaz. vol. 201; p. 481.
- Irwin, Robert W., Grand Rapids, Mich. Secret compartment for furniture. No. 1,121,841; Dec. 22; Gaz. vol. 209; p. 1144.
- Irwin, Thomas J., Trenton, N. J. Cushioned heel. No. 1,109,757; Sept. 8; Gaz. vol. 206; p. 359.
- Irwin, Thomas K., London, England. Treatment of sewage. No. 1,083,833; Jan. 6; Gaz. vol. 198; p. 188.
- Isaac G. Johnson & Co. (See Morat, Jacques, assignor.)
- Isaacs, Henry. (See Conne, Louis, assignor.)
- Isaacs, Isaac C., Baltimore, Md. Buckle-retaining device for trousers. No. 1,085,128; Jan. 27; Gaz. vol. 198; p. 719.

Alphabetical list of patentees—Continued.

- Isaacs, Jessie, Hobart, Okla. Window-shade tester. No. 1,086,181; Feb. 3; Gaz. vol. 199; p. 213.
- Isaacs, Joel L. (See Westlake, Huck, and Isaacs.)
- Isaacson, Francis A., Madrid, Iowa. Detachable shoe-heel. No. 1,110,264; Sept. 8; Gaz. vol. 206; p. 540.
- Isbell, Adnah I. (See Bess, Grover C., assignor.)
- Isbell, John, Washington, Mo. Rail-joint. No. 1,088,581; Feb. 24; Gaz. vol. 199; p. 1179.
- Isenberg, Alfred. (See Erskine, James E., assignor.)
- Isenberg, Alfred. (See O'Brien and Lueke, assignors.)
- Isenhour, Luther J., Indianapolis, Ind. Incubator and brooder. No. 1,106,451; Aug. 11; Gaz. vol. 205; p. 344.
- Iserman, Harvey, New Hyde Park, N. Y., assignor to Multiple-Grate-Bar Endless Chain Stoker Company. Mechanical stoker. No. 1,114,142; Oct. 20; Gaz. vol. 207; p. 686.
- Isgrig, Washington D., *et al.* (See Newkirk, William P., assignor.)
- Isherwood, Percy C. C., Bushey Heath, England. Treatment of refractory zinc-lead ores. No. 1,089,412; Mar. 10; Gaz. vol. 200; p. 298.
- Isherwood, Percy C. C., Bushey Heath, England. Apparatus for making and filtering solutions applicable in the extraction of metals from ores and for like purposes. No. 1,110,790; Sept. 15; Gaz. vol. 206; p. 766.
- Ishii, Junpachiro, Boston, Mass. Tide-motor. No. 1,104,510; July 21; Gaz. vol. 204; p. 882.
- Ishiyama, Risaku, Seattle, Wash. Electric switch. No. 1,104,194; July 21; Gaz. vol. 204; p. 772.
- Isidor, Joseph S., Newark, N. J., assignor to R. Neumann Hardware Co. Bag-frame and hinge. No. 1,085,129; Jan. 27; Gaz. vol. 198; p. 719.
- Isidor, Joseph S., Newark, N. J., assignor to The R. Neumann Hardware Co. Bag-frame fastener. No. 1,099,444; June 9; Gaz. vol. 203; p. 412.
- Isler, Max H., Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthraquinone coloring-matters and making them. No. 1,089,221; Mar. 3; Gaz. vol. 200; p. 189.
- Isler, Max H., Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthraquinone vat dyes. No. 1,090,621; Mar. 17; Gaz. vol. 200; p. 761.
- Isler, Max H., and O. Bally, Mannheim, Germany, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthraquinone dyes and making them. No. 1,093,427; Apr. 14; Gaz. vol. 201; p. 481.
- Isley, George H. (See Jefferies and Isley.)
- Ismond, William M., Toronto, Ontario, Canada. Clothes-drier. No. 1,100,882; June 23; Gaz. vol. 203; p. 996.
- Isner, Charles B., Valley Stream, N. Y. Controllable elevator-safety. No. 1,118,776; Nov. 24; Gaz. vol. 208; p. 1273.
- Isom, Bennie, Concord, Nebr. Headlight for automobiles. No. 1,102,409; July 7; Gaz. vol. 204; p. 66.
- Isom, Jefferson, Jr., near Albany, Oreg. Road-repairing machine. No. 1,113,443; Oct. 13; Gaz. vol. 207; p. 404.
- Israel, Charles W., Paris, Ill. Railway-tie. No. 1,099,179; June 9; Gaz. vol. 203; p. 320.
- Israel, Jacob. (See Keen, Thomas A., assignor.)
- Israel, Lon H., Fairfield, Iowa. Blow-out guard for inner tubes. No. 1,122,760; Dec. 29; Gaz. vol. 209; p. 1499.
- Itala Fabbrica Di Automobili. (See Balloco, Alberto, assignor.)
- Ittner, Ferdinand, Brooklyn, N. Y., assignor to The Bradford Co., Middletown, Conn. Gasolene-vaporizer. No. 1,106,452; Aug. 11; Gaz. vol. 205; p. 344.
- Iudiciani, Michele, Columbus, Ohio. Combined shade and curtain support. No. 1,116,067; Nov. 3; Gaz. vol. 208; p. 205.
- Iudiciani, Pasquale, Columbus, Ohio. Shade-support. No. 1,109,925; Sept. 8; Gaz. vol. 206; p. 420.
- Ivancevich, John J., Portland, Oreg. Propeller. No. 1,087,586; Feb. 17; Gaz. vol. 199; p. 795.
- Ivatts, Ernest A., assignor to Societe Compagnie Generale de Phonographes Cinematographes et Appareils de Precision, Paris, France. Kinematographic apparatus. No. 1,113,351; Oct. 13; Gaz. vol. 207; p. 370.
- Iven, Henry, Chicago, Ill. Portable fence. No. 1,114,479; Oct. 20; Gaz. vol. 207; p. 809.
- Iversen, Lorenz, West Homestead, Pa. Compressor-unloader. No. 1,122,395; Dec. 29; Gaz. vol. 209; p. 1373.
- Iversen, Michael, Stoughton, Wis. Surgical appliance. No. 1,111,587; Sept. 22; Gaz. vol. 206; p. 1085.
- Iversen, Michael, Stoughton, Wis. Surgical appliance. No. 1,111,588; Sept. 22; Gaz. vol. 206; p. 1085.
- Iverson, Ole N., Hills, Minn. Trolley-head. No. 1,088,821; Mar. 3; Gaz. vol. 200; p. 50.
- Ives, Frederic E., Woodcliffe-on-Hudson, N. J. Photographic-plate holder. No. 1,098,445; June 2; Gaz. vol. 203; p. 31.
- Ives, Frederic E., Woodcliff-on-Hudson, N. J. Color photography. No. 1,106,816; Aug. 11; Gaz. vol. 205; p. 474.
- Ives, Frederic E., Woodcliffe-on-Hudson, N. J. Photographic printing. No. 1,121,187; Dec. 15; Gaz. vol. 209; p. 881.
- Ives, Frederic E., Woodcliffe-on-Hudson, N. J. Color photography. No. 1,122,935; Dec. 29; Gaz. vol. 209; p. 1561.
- Ives, Herbert E., Mount Airy, assignor to The United Gas Improvement Company, Philadelphia, Pa. Artificial lighting. No. 1,086,534; Feb. 10; Gaz. vol. 199; p. 378.
- Ives, Herbert E., Mount Airy, assignor to The United Gas Improvement Company, Philadelphia, Pa. Photometer. No. 1,086,535; Feb. 10; Gaz. vol. 199; p. 378.
- Ives, Herbert E., Mount Airy, assignor to The United Gas Improvement Company, Philadelphia, Pa. Artificial lighting means. No. 1,090,785; Mar. 17; Gaz. vol. 200; p. 813.
- Ives, Herbert E., Mount Airy, assignor to The United Gas Improvements Company, Philadelphia, Pa. Watts-per-candle photometer. No. 1,100,883; June 23; Gaz. vol. 203; p. 996.
- Ives, Herbert E., Mount Airy, assignor to The United Gas Improvement Company, Philadelphia, Pa. Means for producing from artificial lights the color effect of daylight. No. 1,104,900; July 28; Gaz. vol. 204; p. 1067.
- Ives Manufacturing Corporation. (See Powell, Paul R., assignor.)
- Ivey, James R. G., New York, N. Y. Tobacco-pipe. No. 1,120,309; Dec. 8; Gaz. vol. 209; p. 523.
- Ivey, Robert W., New London, N. C., assignor of one-half to W. T. Harris, Virgilina, Va. Cotton-picker. No. 1,088,703; Mar. 3; Gaz. vol. 200; p. 11.
- Ivory, James W., Philadelphia, Pa. Device for shaping dental wooden sticks, &c. No. 1,102,753; July 7; Gaz. vol. 204; p. 186.
- Ivory, James W., Philadelphia, Pa. Anchor for artificial teeth. No. 1,110,791; Sept. 15; Gaz. vol. 206; p. 766.
- Ivory, James W., Philadelphia, Pa. Device for sharpening dental sticks, &c. No. 1,121,252; Dec. 15; Gaz. vol. 209; p. 903.
- Ivory, James W., Philadelphia, Pa. Mouthpiece for cigars. No. 1,121,253; Dec. 15; Gaz. vol. 209; p. 903.
- Iwan, William L., South Bend, Ind. Earth-auger. No. 1,106,097; Aug. 4; Gaz. vol. 205; p. 180.
- Iwan, William L., South Bend, Ind. Hay-cutter. No. 1,112,701; Oct. 6; Gaz. vol. 207; p. 104.
- Izett, William F., Oak Harbor, Wash. Aerial cableway. No. 1,087,062; Feb. 10; Gaz. vol. 199; p. 558.
- Izett, William F., Oak Harbor, Wash. Aerial cableway. No. 1,087,063; Feb. 10; Gaz. vol. 199; p. 559.
- J. Spaulding & Sons Company. (See Lougee, William S., assignor.)
- J. Stevens Arms & Tool Company. (See Lewis, George S., assignor.)
- J. Stone & Company Limited. (See Gibbons and Blake, assignors.)
- J. A. Fay & Egan Company. (See Solem, Peter A., assignor.)
- J and B Manufacturing Company. (See Jacobson, Edward B., assignor.)
- J. B. Wise, Inc. (See Bragger, John W., assignor.)
- J. B. Wise Inc. (See Perkins, Walter H., assignor.)
- J. D. Randall Company, The. (See Doane, Harry E., assignor.)
- J. D. Riedel Aktiengesellschaft. (See Bergell, Peter, assignor.)
- J. D. Riedel, Aktiengesellschaft. (See Gans, Robert, assignor.) (Reissue.)
- J. E. Hanger, Inc. (See Moore, Elmer C., assignor.)
- J. E. Mergott Company, The. (See Fuller, Franz A., assignor.)
- J. E. Porter Company. (See Jacobs, William F., assignor.)
- J. F. Hillerich & Son Company. (See Hillerich, John A., assignor.)
- J. G. Brill Co., The. (See Brooks, James A., assignor.)
- J. G. Brill Co., The. (See Edwards, Ogden E., Jr., assignor.)
- J. G. Brill Company, The. (See Adams, Walter S., assignor.)
- J. G. Brill Company, The. (See Adams and Head, assignors.)
- J. G. Brill Company, The. (See Head, Arthur F. H., assignor.)
- J. G. Brill Company, The. (See Kling, Louis A., assignor.)
- J. G. Brill Company, The. (See Kohler, George B., assignor.)
- J. G. Brill Company, The. (See Smith, Warren M., assignor.)
- J. G. Cherry Co. (See Chadima, Frank, assignor.)
- J. H. Day Company, The. (See Allison and Pinkney, assignors.)
- J. H. McNamara Trunk Works. (See Nagler, William, assignor.)
- J. H. Sager Company. (See Sager, James H., assignor.)
- J. H. White Mfg. Co. (See Kahns, Walter R., assignor.)
- J. H. Williams & Co. (See Amborn, George, assignor.)
- J. I. Case Plow Works. (See Michael, Clement W., assignor.)
- J. I. Case Plow Works. (See Sobey, William, assignor.)
- J. I. Case Threshing Machine Company. (See MacGregor, Wallace F., assignor.)
- J. L. Sommer Manufacturing Co. (See Sommer, John L., assignor.)

Alphabetical list of patentees—Continued.

- J. M. Kohler Sons Company. (See Kohler, Walter J., assignor.)
- J. M. Lehmann Company. (See Hollstein, Paul G., assignor.)
- J. R. Little Metal Wheel Company. (See Denney, William A., assignor.)
- J. S. Bretz Company. (See Mooers, Louis P., assignor.)
- J. S. Bretz Company. (See Wacker, George W., assignor.)
- J. and T. M. Greeves, Limited, *et al.* (See McKee, James A., assignor.)
- J. W. Moore Machine Company, The. (See Currier, Arthur L., assignor.)
- J. W. Ruger Manufacturing Company, The. (See Staffel, Henry, assignor.)
- Jabant, Edward, St. Albans, Vt. Scrubbing-brush holder. No. 1,114,617; Oct. 20; Gaz. vol. 207; p. 853.
- Jabez Burns & Sons. (See Burns, Robert, assignor.)
- Jabez Burns & Sons. (See Schnuck, Edward F., assignor.)
- Jablonski, Boleslaw, assignor of one-half to W. Rostowski, Natrona, Pa. Non-skidding attachment for wheels. No. 1,107,953; Aug. 18; Gaz. vol. 205; p. 919.
- Jabs, Asmus, Zurich, Switzerland. Electric master-clock. No. 1,118,422; Nov. 24; Gaz. vol. 208; p. 1151.
- Jaburg Bros. (See Aldred, Robert J. F. and A. E., assignors.)
- Jaburg Bros. (See Townsend, Harry E., assignor.)
- Jack, Charles P. M., assignor to The Intercean Transport Company, New York, N. Y. Tank vessel. No. 1,085,086; Jan. 20; Gaz. vol. 198; p. 668.
- Jack, John, Jr., Jack, Mo. Tree-sawing machine. No. 1,089,341; Mar. 3; Gaz. vol. 200; p. 226.
- Jacklin, Harold M., assignor of one-half to J. Jacklin, Lansing, Mich. Rotary internal-combustion engine. No. 1,095,730; May 5; Gaz. vol. 202; p. 190.
- Jacklin, Jeremiah. (See Jacklin, Harold M., assignor.)
- Jackman, Roy. (See Novotny and Jackman.)
- Jackson, Aldin B., Fort Wayne, Ind. Adjustable gouge. No. 1,107,523; Aug. 18; Gaz. vol. 205; p. 769.
- Jackson, Alfred A., Norwalk, Conn. Picture-exhibiting device. No. 1,103,360; July 14; Gaz. vol. 204; p. 443.
- Jackson, Alfred A., Arvada, Colo. Floor planing and scraping machine. No. 1,109,335; Sept. 1; Gaz. vol. 206; p. 170.
- Jackson, Alonzo E. (See Cade, Robert S., assignor.)
- Jackson, Arthur C., and F. Soley, assignors to Miller Lock Co., Philadelphia, Pa. Post-office box. No. 1,122,278; Dec. 29; Gaz. vol. 209; p. 1335.
- Jackson, Byron D., assignor to Modern Tool Company, Erie, Pa. Micrometer-feed for tools. No. 1,084,014; Jan. 13; Gaz. vol. 198; p. 279.
- Jackson, Byron D., assignor to Modern Tool Company, Erie, Pa. Carriage-reversing mechanism. No. 1,100,884; June 23; Gaz. vol. 203; p. 996.
- Jackson, Byron D., assignor to Modern Tool Company, Erie, Pa. Tool-feed device. No. 1,100,885; June 23; Gaz. vol. 203; p. 997.
- Jackson, Carl J., Superior, Wis. Screen attachment for windows. No. 1,117,390; Nov. 17; Gaz. vol. 208; p. 750.
- Jackson, Charles H., Melrose, assignor to Conant, Ball Company, Boston, Mass. Tablet arm-chair. No. 1,099,303; June 9; Gaz. vol. 203; p. 362.
- Jackson, Charles O., Fairmont, W. Va. Headlight-steering mechanism. No. 1,121,587; Dec. 15; Gaz. vol. 209; p. 1019.
- Jackson, Charles W., Chicago, Ill. Vehicle. No. 1,108,992; Sept. 1; Gaz. vol. 206; p. 48.
- Jackson, Clarence S., assignor to Atlantic Lithographic and Printing Company, New York, N. Y. Moving advertising device. No. 1,118,013; Nov. 24; Gaz. vol. 208; p. 1007.
- Jackson, Clarence S., assignor to National Bottle Cap Company, New York, N. Y. Bottle-refill-preventing device. No. 1,118,423; Nov. 24; Gaz. vol. 208; p. 1151.
- Jackson Cushion Spring Company. (See King, Gilbert J., assignor.)
- Jackson, Cyril F. (See Staley, John F., assignor.)
- Jackson, Dugald C., Madison, Wis. Electric motor. No. 1,106,513; Aug. 11; Gaz. vol. 205; p. 368.
- Jackson, Dugald C., Madison, Wis. Dynamo-electric machine. No. 1,106,514; Aug. 11; Gaz. vol. 205; p. 368.
- Jackson, E. Hilton, *et al.*, trustees. (See Cahill, Thaddeus, assignor.)
- Jackson, Earnest L., assignor of six-tenths to R. C. Deignan, Columbus, Ga. Stop-motion for speeders. No. 1,092,364; Apr. 7; Gaz. vol. 201; p. 83.
- Jackson, Ernest G., Montreal, Quebec, Canada. Railway-switch. No. 1,111,902; Sept. 29; Gaz. vol. 206; p. 1234.
- Jackson, Ernest R., Mena, Ark. Hydrocarbon-burner. No. 1,122,936; Dec. 29; Gaz. vol. 209; p. 1562.
- Jackson Fireproof Partition Company, The. (See Maitland, James D., assignor.)
- Jackson, Frank, Randolph, Nebr. Spring-seat. No. 1,089,644; Mar. 10; Gaz. vol. 200; p. 381.
- Jackson, Frank, Denver, Colo. Swinging search-light for automobiles and other vehicles. No. 1,097,588; May 19; Gaz. vol. 202; p. 906.
- Jackson, Fred E., *et al.* (See Cobb, Luther, assignor.)
- Jackson, Fredrick A., Idaho Falls, Idaho. Beet-harvester. No. 1,122,761; Dec. 29; Gaz. vol. 209; p. 1500.
- Jackson, Freedom W., Cleveland, Ohio. Storm oil-anchor. No. 1,117,189; Nov. 17; Gaz. vol. 208; p. 679.
- Jackson, George, assignor of one-fourth to J. Jackson, Pottsville, Tex. Attachment for vehicle-seats. No. 1,103,145; July 14; Gaz. vol. 204; p. 369.
- Jackson, George, Jr., Hobokus, N. J. Railway signal apparatus. No. 1,100,243; June 16; Gaz. vol. 203; p. 723.
- Jackson, George W., Chicago, Ill. Tunnel and constructing same. No. 1,088,152; Feb. 24; Gaz. vol. 199; p. 1038.
- Jackson, George W., Chicago, Ill. Motor-truck with unloading means. No. 1,119,353; Dec. 1; Gaz. vol. 209; p. 156.
- Jackson, Graham H., Newark, N. J., assignor to Universal Tobacco Machine Company. Clutch mechanism. No. 1,088,425; Feb. 24; Gaz. vol. 199; p. 1130.
- Jackson, Harry N. (See Weeks and Jackson.)
- Jackson, Henry, assignor of one-half to L. Laughlin, Ludlow, Ky. Sliding-door lock. No. 1,122,937; Dec. 29; Gaz. vol. 209; p. 1562.
- Jackson, Hinton A., assignor of one-half to D. B. Medill, Clinton, Ind. Electric railway-switch. No. 1,102,664; July 7; Gaz. vol. 204; p. 155.
- Jackson, J. Hardwick. (See Johnson, Charles L., assignor.)
- Jackson, James D., Kensington, Victoria, Australia. Apparatus for cleaning smoke. No. 1,100,307; June 16; Gaz. vol. 203; p. 747.
- Jackson, James M., Parkersburg, W. Va. Shock-absorber. No. 1,086,182; Feb. 3; Gaz. vol. 199; p. 213.
- Jackson, Jerome, San Francisco, Cal. Tricycle railway and car. No. 1,122,396; Dec. 29; Gaz. vol. 209; p. 1373.
- Jackson, Jerome, San Francisco, Cal. Railway, rail, and supports. No. 1,122,397; Dec. 29; Gaz. vol. 209; p. 1374.
- Jackson, John. (See Jackson, George, assignor.)
- Jackson, John, Clinton, Iowa. Pail. No. 1,111,589; Sept. 22; Gaz. vol. 206; p. 1086.
- Jackson, John, assignor to H. & B. American Machine Company, Pawtucket, R. I. Equalizing device for speeders. No. 1,111,466; Sept. 22; Gaz. vol. 206; p. 1043.
- Jackson, John A., Ithaca, N. Y. Shade-roller. No. 1,122,938; Dec. 29; Gaz. vol. 209; p. 1563.
- Jackson, John R. (See Brock, Frederick, assignor.)
- Jackson, John W., Orland, Ill. Door-post support. No. 1,118,491; Nov. 24; Gaz. vol. 208; p. 1177.
- Jackson, Joseph L., and W. Wright, Sherbrooke, Quebec, Canada. Lubricating composition. No. 1,097,549; May 19; Gaz. vol. 202; p. 893.
- Jackson, Lucian C., Buffalo, N. Y. Electric igniting device for explosive-engines. No. 1,093,857; Apr. 21; Gaz. vol. 201; p. 666.
- Jackson, Manetho C., Madison, Wis. Riveting machinery. No. 1,113,900; Oct. 13; Gaz. vol. 207; p. 562.
- Jackson, Marion, Tippecanoe City, Ohio. Water-filter. No. 1,083,883; Jan. 6; Gaz. vol. 198; p. 202.
- Jackson, Matthew C., Buckner, Ark. Washbench. No. 1,121,506; Dec. 15; Gaz. vol. 209; p. 990.
- Jackson, Maunsell B., Jr., Vancouver, British Columbia, and P. T. Jackson, Toronto, Ontario, Canada; said Maunsell B. Jackson, Jr., assignor to said P. T. Jackson. Heating apparatus. No. 1,093,103; Apr. 14; Gaz. vol. 201; p. 371.
- Jackson, Philip F., New York, N. Y. Indestructible and collapsible drinking-cup. No. 1,116,068; Nov. 3; Gaz. vol. 208; p. 205.
- Jackson, Philip T. (See Jackson, Maunsell B., Jr., and P. T.)
- Jackson, Ray P., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrode material for vapor electric apparatus. No. 1,099,375; June 9; Gaz. vol. 203; p. 390.
- Jackson, Ray P., Wilkesburg, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. System of electrical distribution. No. 1,116,430; Nov. 10; Gaz. vol. 208; p. 369.
- Jackson, Robert E., Victoria, and F. E. Bell, Norfolk, Va. Spark-arrester. No. 1,093,054; Apr. 14; Gaz. vol. 201; p. 353.
- Jackson, Roy L. (See Schick and Jackson.)
- Jackson, Simeon S., assignor to The Stafford Company, Readville, Mass. Weft-replenishing loom. No. 1,100,659; June 16; Gaz. vol. 203; p. 864.
- Jackson, Simeon S., assignor to The Stafford Company, Readville, Mass. Weft-fork for looms. No. 1,100,660; June 16; Gaz. vol. 203; p. 864.
- Jackson, Simeon S., Boston, assignor to The Stafford Company, Readville, Mass. Loom. No. 1,100,886; June 23; Gaz. vol. 203; p. 998.
- Jackson, Thomas T. (See Farnworth and Jackson.)
- Jackson, Walter, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in finishing shoes. No. 1,102,511; July 7; Gaz. vol. 204; p. 101.
- Jackson, Walter L., assignor of one-half to T. King, Quincy, Mass. Drill-bit forming and sharpening machine. No. 1,094,655; Apr. 28; Gaz. vol. 201; p. 996.
- Jackson, William B. (See Lindsay and Jackson.)

Alphabetical list of patentees—Continued.

- Jackson, William F., Bridgeport, Ill. Automobile-fender. No. 1,121,727; Dec. 22; Gaz. vol. 209; p. 1104.
- Jackson, William H., Jackson, Mich. Lubricating device. No. 1,096,034; May 12; Gaz. vol. 202; p. 329.
- Jackson, William H., Halifax, England. Autographic-message register or memorandum-tablet. No. 1,106,711; Aug. 11; Gaz. vol. 205; p. 436.
- Jacob, Heinrich, Steglitz, near Berlin, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Adjusting device for optical instruments. No. 1,085,612; Feb. 3; Gaz. vol. 199; p. 11.
- Jacob, Heinrich, Steglitz, near Berlin, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Base-line telemeter. No. 1,108,180; Aug. 25; Gaz. vol. 205; p. 1046.
- Jacob, Heinrich, Steglitz, near Berlin, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Telescope of unvariable length and progressively-variable magnification. No. 1,116,069; Nov. 3; Gaz. vol. 208; p. 206.
- Jacob, Heinrich, Steglitz, near Berlin, and C. von Hofe, Wilmersdorf, near Berlin, assignors to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Prismatic device. No. 1,086,297; Feb. 3; Gaz. vol. 199; p. 250.
- Jacob, Heinrich, Steglitz, near Berlin, and J. Humbrecht, Gross-Lichterfelde, near Berlin, assignors to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Periscope. No. 1,098,905; June 2; Gaz. vol. 203; p. 187.
- Jacob J. Vollrath Manufacturing Company, The. (See Vollrath, Carl A. W., assignor.)
- Jacob, Mary P., Mamaroneck, N. Y. Brassière. No. 1,115,674; Nov. 3; Gaz. vol. 208; p. 71.
- Jacob, Max, Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,100,017; June 16; Gaz. vol. 203; p. 645.
- Jacob, Moe, New York, N. Y. Legging. No. 1,085,427; Jan. 27; Gaz. vol. 198; p. 822.
- Jacob, William, San Leandro, Cal. Life-saving raft. No. 1,105,976; Aug. 4; Gaz. vol. 205; p. 137.
- Jacobi, Morris W., Weehawken Heights, N. J. Door for bakers' ovens. No. 1,086,918; Feb. 10; Gaz. vol. 199; p. 513.
- Jacobi, Morris W., Weehawken Heights, N. J. Baker's oven. No. 1,097,229; May 19; Gaz. vol. 202; p. 784.
- Jacobi, Morris W., Weehawken Heights, N. J. Baker's oven. No. 1,098,729; June 2; Gaz. vol. 203; p. 127.
- Jacobs, Arthur E., Cleveland, Ohio. Spelling-board. No. 1,094,570; Apr. 28; Gaz. vol. 201; p. 965.
- Jacobs, Arthur I., Hartford, Conn. Adjustable tool. No. 1,092,650; Apr. 7; Gaz. vol. 201; p. 182.
- Jacobs, Charles, New York, N. Y. Movable carousel and Ferris wheel. No. 1,090,065; Mar. 10; Gaz. vol. 200; p. 525.
- Jacobs, Charles C. (See Rood and Jacobs.)
- Jacobs, Clare S. (See Jacobs, Fredrick L. and C. S.)
- Jacobs, Daniel B., New York, N. Y. Clip. No. 1,113,010; Oct. 6; Gaz. vol. 207; p. 208.
- Jacobs, Edgar L. (See Starn, Willoughby J., assignor.)
- Jacobs, Emanuel, Detroit, Mich. Razor-blade stropping and honing machine. No. 1,090,986; Mar. 24; Gaz. vol. 200; p. 914.
- Jacobs, Ernest C., Rockland, assignor to United Shoe Machinery Company, Boston, Mass. Pull-on device for boots and shoes. No. 1,100,692; June 16; Gaz. vol. 203; p. 874.
- Jacobs, Ernest C., Rockland, assignor to United Shoe Machinery Company, Boston, Mass. Pull-on device for boots and shoes. No. 1,100,693; June 16; Gaz. vol. 203; p. 875.
- Jacobs, Ernest C., Rockland, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Boot or shoe. (Reissue.) No. 1,3852; Dec. 22; Gaz. vol. 209; p. 1288.
- Jacobs, Frank P., Indianapolis, Ind. Horseshoe ice-creeper. No. 1,094,571; Apr. 28; Gaz. vol. 201; p. 965.
- Jacobs, Frank F. and M. S., Indianapolis, Ind. Horseshoe-creeper. No. 1,106,943; Aug. 11; Gaz. vol. 205; p. 519.
- Jacobs, Frank M., Topeka, Kans. Means for staying sectional walls. No. 1,093,428; Apr. 14; Gaz. vol. 201; p. 481.
- Jacobs, Frank P. (See Fite and Jacobs.)
- Jacobs, Frederic B., Indianapolis, Ind. Grinding-wheel. No. 1,089,766; Mar. 10; Gaz. vol. 200; p. 422.
- Jacobs, Fredrick L. and C. S., Detroit, Mich. Engine-casing. No. 1,113,124; Oct. 6; Gaz. vol. 207; p. 245.
- Jacobs, George, Cleveland, Ohio, assignor, by mesne assignments, to The Lamson Company, Boston, Mass. Store-service apparatus. No. 1,111,835; Sept. 29; Gaz. vol. 206; p. 1209.
- Jacobs, Harry F. (See Jacobs, William C. and H. F.)
- Jacobs, Henry W. (See Baird, Archie M., assignor.)
- Jacobs, Henry W. (See Lanning, Howard H., assignor.)
- Jacobs, Henry W. (See Leighty, William J., assignor.)
- Jacobs, Henry W., Topeka, Kans. Boiler. No. 1,093,430; Apr. 14; Gaz. vol. 201; p. 482.
- Jacobs, Henry W., Topeka, Kans. Aeronautical power plant. No. 1,110,489; Sept. 15; Gaz. vol. 206; p. 660.
- Jacobs, Henry W., Topeka, Kans., and F. W. Shupert, Bristol, Ind. Boiler-flue. No. 1,093,429; Apr. 14; Gaz. vol. 201; p. 481.
- Jacobs, Henry W., and W. J. Leighty, Topeka, Kans. Compression-relief mechanism. No. 1,101,935; June 30; Gaz. vol. 203; p. 1412.
- Jacobs, Herman F., Natick, Mass. Mechanical movement. No. 1,108,844; Aug. 25; Gaz. vol. 205; p. 1277.
- Jacobs, Josef, Buisdorf, and A. Nefgen, Siegburg, near Cologne, Germany; said Jacobs assignor to said Nefgen. Cutting device for printing-machines. No. 1,103,292; July 14; Gaz. vol. 204; p. 419.
- Jacobs, Maurice I., Brooklyn, N. Y. Greenhouse construction. No. 1,103,773; July 14; Gaz. vol. 204; p. 587.
- Jacobs, Minnie S. (See Jacobs, Frank F. and M. S.)
- Jacobs, S. M. Jackson. (See Mahan, James J., assignor.) (Reissue.)
- Jacobs, William C. and H. F., assignors of one-third to A. J. Brenneisen, Waterloo, Iowa. Water-tube arch for fire-boxes. No. 1,096,917; May 19; Gaz. vol. 202; p. 672.
- Jacobs, William F., assignor to J. E. Porter Company, Ottawa, Ill. Barn-door track. No. 1,090,540; Mar. 17; Gaz. vol. 200; p. 732.
- Jacobs, William F., assignor to J. E. Porter Company, Ottawa, Ill. Barn-door track. No. 1,090,541; Mar. 17; Gaz. vol. 200; p. 733.
- Jacobs, William F., assignor to J. E. Porter Company, Ottawa, Ill. Hay-carrier. No. 1,106,512; Aug. 11; Gaz. vol. 205; p. 367.
- Jacobs, William F., assignor to J. E. Porter Company, Ottawa, Ill. Cattle-stanchion. No. 1,107,524; Aug. 18; Gaz. vol. 205; p. 770.
- Jacobs, William L., and A. D. Brewer, Indianapolis, Ind. Producing embossed surfaces. No. 1,084,742; Jan. 20; Gaz. vol. 198; p. 553.
- Jacobs, William R., Commerce, Tex. Ironing-board. No. 1,092,444; Apr. 7; Gaz. vol. 201; p. 112.
- Jacobs, Willis K., St. Paul, Minn. Center support for awning-rollers. No. 1,111,590; Sept. 22; Gaz. vol. 206; p. 1086.
- Jacobsmeier, Oscar H. (See Blaydes, William A., assignor.)
- Jacobsen, Charles F., Brooklyn, N. Y. Apparatus for aquatic instruction and amusement. No. 1,095,872; May 5; Gaz. vol. 202; p. 238.
- Jacobsen, Charles M., Detroit, Mich. Fire-extinguisher. No. 1,112,537; Oct. 6; Gaz. vol. 207; p. 45.
- Jacobsen, Christian T. (See Hollings, Harry V., assignor.)
- Jacobsen, Jacob E. C., and C. A. V. J. Segersten, Nyack, N. Y. Gate-operating mechanism. No. 1,087,770; Feb. 17; Gaz. vol. 199; p. 859.
- Jacobsen, Johannes, Voorde, near Kiel, Germany. Window-shutter operator and fastener. No. 1,116,286; Nov. 3; Gaz. vol. 208; p. 279.
- Jacobsen, Olaf, Seattle, Wash. Sanding-machine. No. 1,114,884; Oct. 27; Gaz. vol. 207; p. 1001.
- Jacobsen, Olav, S. Troy, and H. Kjeldsen, Vancouver, British Columbia, Canada. Roof-asphalting machine. No. 1,121,728; Dec. 22; Gaz. vol. 209; p. 1104.
- Jacobsen, Waldemar, Hartford, Conn. Drafting appliance. No. 1,092,107; Mar. 31; Gaz. vol. 200; p. 1340.
- Jacobson, Carl A., assignor to Kaestner & Hecht Company, Chicago, Ill. Controller. No. 1,100,134; June 16; Gaz. vol. 203; p. 686.
- Jacobson, Charl. (See Lease and Jacobson.)
- Jacobson, Edward B., assignor to J and B Manufacturing Company, Pittsfield, Mass. Lighting system. No. 1,102,194; June 30; Gaz. vol. 203; p. 1505.
- Jacobson, Frank B., Humboldt, Iowa. Drinking-fountain. No. 1,096,371; May 12; Gaz. vol. 202; p. 445.
- Jacobson, Frank B., Humboldt, Iowa. Trough. No. 1,096,372; May 12; Gaz. vol. 202; p. 445.
- Jacobson, Herman S. (See Woods, George E., assignor.)
- Jacobson, Jack F., Mobile, Ala. Necktie. No. 1,090,719; Mar. 17; Gaz. vol. 200; p. 791.
- Jacobson, Magnus B. (See Hauer and Jacobson.)
- Jacobson, Olof H., Kansas City, Mo. Adjustable tool-handle. No. 1,119,827; Dec. 8; Gaz. vol. 209; p. 354.
- Jacobson, Peter G., Chicago, Ill. Coin-counter. No. 1,118,651; Nov. 24; Gaz. vol. 208; p. 1231.
- Jacobson, Peter G., Chicago, Ill. Coin-counter. No. 1,118,652; Nov. 24; Gaz. vol. 208; p. 1232.
- Jacobson, Peter R., Lake Park, Minn. Grass-destroying machine. No. 1,114,618; Oct. 20; Gaz. vol. 207; p. 853.
- Jacobson, Samuel, trustee. (See Loesser, Ernest, assignor.)
- Jacobson, Severt, and F. E. Anderson, Lynch, Nebr. Steering apparatus. No. 1,107,073; Aug. 11; Gaz. vol. 205; p. 561.
- Jacobson, Sidney D., New York, N. Y. Non-refillable receptacle. No. 1,099,502; June 9; Gaz. vol. 203; p. 431.
- Jacobson, Wilhelm, Lents, Oreg. Tire-protector. No. 1,089,222; Mar. 3; Gaz. vol. 200; p. 189.
- Jacobucci, Raphael, Fall River, Mass. Multicolor-printing press. No. 1,100,569; June 16; Gaz. vol. 203; p. 834.
- Jacobus, David S. (See Sewall, Jacobus, and Palmer.)

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- Jacobus, David S., Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heating kilns and retorts. No. 1,086,716; Feb. 10; Gaz. vol. 199; p. 442.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. No. 1,106,453; Aug. 11; Gaz. vol. 205; p. 345.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. No. 1,117,391; Nov. 17; Gaz. vol. 208; p. 750.
- Jacoby, Adolf, New York, N. Y. Aeroplane. No. 1,110,792; Sept. 15; Gaz. vol. 206; p. 766.
- Jacoby, Benjamin, *et al.* (See Bolen, Charley C., assignor.)
- Jacoby, Benjamin, and C. S. Johnson, assignors to The Marion Steam Shovel Company, Marion, Ohio. Throttle-valve. No. 1,102,410; July 7; Gaz. vol. 204; p. 67.
- Jacoby, Carl A., assignor to The American Folding Machine Company, Warren, Ohio. Paper-feeding device. No. 1,115,675; Nov. 3; Gaz. vol. 208; p. 72.
- Jacoby, William L., Larchmont, N. Y., assignor to The American District Telegraph Company. Thermostatic circuit-controller. No. 1,097,640; May 26; Gaz. vol. 202; p. 969.
- Jacovatos, Nicholas, New York, N. Y. Extensible table. No. 1,107,954; Aug. 18; Gaz. vol. 205; p. 919.
- Jacoway, Guy D., Dardanelle, Ark. Cabinet. No. 1,094,996; Apr. 28; Gaz. vol. 201; p. 1116.
- Jacquart, Bernard, South River, N. J., and J. V. V. Booraem, New York, N. Y. Clay-cleaner. No. 1,089,840; Mar. 10; Gaz. vol. 200; p. 448.
- Jacquart, Bernard, South River, N. J., and J. V. V. Booraem, New York, N. Y. Clay-cleaner. No. 1,090,542; Mar. 17; Gaz. vol. 200; p. 733.
- Jacquemin, Eugene, Kent, Wash. Cork-extractor. No. 1,094,997; Apr. 28; Gaz. vol. 201; p. 1117.
- Jacques, Archile J., Attleboro, Mass. Knife. No. 1,105,080; July 28; Gaz. vol. 204; p. 1129.
- Jacques, George L., Neillsville, Wis. Skee-skate. No. 1,101,631; June 30; Gaz. vol. 203; p. 1308.
- Jaeger, Alexander. (See Jaeger, August and A.)
- Jaeger, August and A., Philadelphia, Pa. Vending-machine. No. 1,098,264; May 26; Gaz. vol. 202; p. 1188.
- Jaeger, Carl L., Mahwah, N. J. Recording device. No. 1,106,944; Aug. 11; Gaz. vol. 205; p. 519.
- Jaeger, Frank B., Milwaukee, Wis. Keyhole-guard. No. 1,097,639; May 26; Gaz. vol. 202; p. 968.
- Jaeger, Herman J., Weehawken, N. J. Metallic-filament lamp. No. 1,121,368; Dec. 15; Gaz. vol. 209; p. 943.
- Jaeger, Katherine J., Norristown, Pa. Skirt-marker. No. 1,084,212; Jan. 13; Gaz. vol. 198; p. 347.
- Jaeger Machine Company, The. (See Keny, William L., assignor.) (Reissue.)
- Jaeger, Max, Mount Vernon, N. Y. Mechanical lubricator. No. 1,119,607; Dec. 1; Gaz. vol. 209; p. 244.
- Jaeger, Otto, Norristown, assignor to Automatic Machine Vending Company, Philadelphia, Pa. Vending-cabinet. No. 1,101,851; June 30; Gaz. vol. 203; p. 1382.
- Jaeger, Richard. (See Meyer, Walter A., assignor.)
- Jaekel, Henry R., New York, N. Y. Time-controlling apparatus. No. 1,114,885; Oct. 27; Gaz. vol. 207; p. 1001.
- Jaenichen, Louis, assignor to Standard Computing Scale Company, Limited, Detroit, Mich. Pendulum-scale. No. 1,116,590; Nov. 10; Gaz. vol. 208; p. 429.
- Jaenisch, Ernst, Charlottenburg, Germany. Construction of the cylinders and accessory parts of internal-combustion engines. No. 1,087,539; Feb. 17; Gaz. vol. 199; p. 778.
- Jaffé, Richard, Frankfort-on-the-Main, Germany. Effecting the separation of materials. No. 1,109,529; Sept. 1; Gaz. vol. 206; p. 235.
- Jaffa, Siegmund, New York, N. Y. Game device. No. 1,115,434; Oct. 27; Gaz. vol. 207; p. 1193.
- Jagemann, Max, New York, N. Y. Cover for tobacco-pipes. No. 1,103,361; July 14; Gaz. vol. 204; p. 443.
- Jagenberg, Emil, Dusseldorf, Germany. Machine for placing bottles in transport-cases. No. 1,090,855; Mar. 24; Gaz. vol. 200; p. 868.
- Jagenberg, Emil, Dusseldorf, Germany. Protective cover for rolls of paper and the like. No. 1,091,139; Mar. 24; Gaz. vol. 200; p. 969.
- Jagenberg, Emil, Dusseldorf, Germany. Paper-feeding apparatus. No. 1,096,539; May 12; Gaz. vol. 202; p. 501.
- Jagenberg, Emil, Dusseldorf, Germany. Paper-feeding machine. No. 1,097,641; May 26; Gaz. vol. 202; p. 969.
- Jagenberg, Emil, Dusseldorf, Germany. Box-making machine. No. 1,100,740; June 23; Gaz. vol. 203; p. 947.
- Jagenberg, Emil, Dusseldorf, Germany. Label gumming and attaching machine. No. 1,100,741; June 23; Gaz. vol. 203; p. 947.
- Jagenberg, Emil, Dusseldorf, Germany. Device for flattening finished paper bags. No. 1,102,754; July 7; Gaz. vol. 204; p. 187.
- Jagenberg, Emil, Dusseldorf, Germany. Machine for making boxes. No. 1,102,755; July 7; Gaz. vol. 204; p. 187.
- Jagenberg, Emil, Dusseldorf, Germany. Paper-feeding apparatus. No. 1,107,795; Aug. 18; Gaz. vol. 205; p. 867.
- Jagenberg, Emil, Dusseldorf, Germany. Paper-box machine. No. 1,120,719; Dec. 15; Gaz. vol. 209; p. 716.
- Jäger, August. (See Wolff and Jäger.)
- Jager, Casper J. (See Jager, Charles N. and C. J.)
- Jager, Charles J., Boston, assignor, by mesne assignments, to Jager Engine Company, Taunton, Mass. Internal-combustion engine. No. 1,105,142; July 28; Gaz. vol. 204; p. 1148.
- Jager, Charles N. and C. J., Baltimore, Md. Ice-cream-cone scoop. No. 1,112,802; Oct. 6; Gaz. vol. 207; p. 137.
- Jager Engine Company. (See Jager, Charles J., assignor.)
- Jager, Frank, Chicago, Ill. Car-roof construction. No. 1,084,638; Jan. 20; Gaz. vol. 198; p. 516.
- Jager, Frank, Chicago, Ill. Metallic track-fastening. No. 1,086,668; Feb. 10; Gaz. vol. 199; p. 425.
- Jager, Frank, Chicago, Ill. Car-door. No. 1,110,692; Sept. 15; Gaz. vol. 206; p. 732.
- Jager, Frank, Chicago, Ill. Car-roof construction. No. 1,120,502; Dec. 8; Gaz. vol. 209; p. 592.
- Jager, Frank, Chicago, Ill. Metal car-roof. No. 1,121,842; Dec. 22; Gaz. vol. 209; p. 1145.
- Jaglowitz, Joseph L., Blue Island, Ill. Oven attachment. No. 1,116,431; Nov. 10; Gaz. vol. 208; p. 369.
- Jagschitz, Konrad, Mainz, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Tank. No. 1,120,199; Dec. 8; Gaz. vol. 209; p. 485.
- Jahn, Berthold, assignor to The B. Jahn Manufacturing Company, New Britain, Conn. Receptacle. No. 1,088,779; Mar. 3; Gaz. vol. 200; p. 36.
- Jahn, Frederick A., New Prague, Minn. Manure-loader. No. 1,098,502; June 2; Gaz. vol. 203; p. 50.
- Jahn, Frederick G., assignor to International Postal Supply Company of New York, Brooklyn, N. Y. Mail sorting and stacking machine. No. 1,100,570; June 16; Gaz. vol. 203; p. 835.
- Jahn, Frederick G., assignor to International Postal Supply Company of New York, Brooklyn, N. Y. Power-drive for canceling-machines. No. 1,116,070; Nov. 3; Gaz. vol. 208; p. 206.
- Jahn, Frederick L., assignor to Watson & McDaniel Company, Philadelphia, Pa. Pressure-reducing valve. No. 1,084,940; Jan. 20; Gaz. vol. 198; p. 619.
- Jahn, John R., Riverside, Cal. Rotary internal-combustion engine. No. 1,094,790; Apr. 28; Gaz. vol. 201; p. 1044.
- Jahn, Richard, Frankfort-on-the-Oder, Germany. Cover or lid for use in connection with air-proof preserve-boxes and the like. No. 1,091,577; Mar. 31; Gaz. vol. 200; p. 1158.
- Jahn, Richard, Brooklyn, N. Y. Watch-guard. No. 1,113,011; Oct. 6; Gaz. vol. 207; p. 208.
- Jahnke, Albert A., Point Richmond, assignor to National Wireless Telephone & Telegraph Co., San Francisco, Cal. Apparatus for the production of high-frequency oscillating currents. No. 1,115,823; Nov. 3; Gaz. vol. 208; p. 119.
- Jahnke, Charles B. (See Yost and Jahnke.)
- Jahns, Wilhelm, Offenbach-on-the-Main, Germany. Centrifugal governor. No. 1,116,707; Nov. 10; Gaz. vol. 208; p. 471.
- Jahnson, Alex H., assignor of one-third to A. C. Rave, Hicksville, N. Y. Swimming-machine. No. 1,120,720; Dec. 15; Gaz. vol. 209; p. 716.
- Jakabcin, John, *et al.* (See Nogar, August, assignor.)
- James, Arthur E., Searsboro, Iowa. Attachment for shovels and spades. No. 1,109,758; Sept. 8; Gaz. vol. 206; p. 359.
- James, Arthur E., Cranston, R. I. Device for moistening the soles of boots and shoes. No. 1,113,638; Oct. 13; Gaz. vol. 207; p. 470.
- James Beggs & Co. (See Eells and Kaufman, assignors.)
- James, Charles, Rutherford, N. J. Drifting-valve. No. 1,111,903; Sept. 29; Gaz. vol. 206; p. 1234.
- James, Charles F., New Albany, Ind. Curtain-holder. No. 1,084,941; Jan. 20; Gaz. vol. 198; p. 619.
- James, Charles S., Jonesboro, Ind. Chicken-coop. No. 1,092,717; Apr. 7; Gaz. vol. 201; p. 204.
- James, Donald D., Newton, Mass. Foot-rest for radiators. No. 1,109,991; Sept. 8; Gaz. vol. 206; p. 443.
- James, Edward B., Cordele, Ga. Plow. No. 1,110,290; Sept. 8; Gaz. vol. 206; p. 550.
- James, Evan, Wilsonville, Nebr. Tank. No. 1,085,685; Feb. 3; Gaz. vol. 199; p. 37.
- James F. Molloy Co., The. (See Meserole, Milton D., assignor.)
- James, Frank, Los Angeles, Cal. Brake-governing apparatus. No. 1,088,074; Feb. 24; Gaz. vol. 199; p. 1011.
- James, Frank S., Grass Valley, Cal. Rod-extractor. No. 1,107,955; Aug. 18; Gaz. vol. 205; p. 919.
- James, Henry D., Pittsburgh, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. System of electric-motor control. No. 1,087,494; Feb. 17; Gaz. vol. 199; p. 763.
- James, Henry D., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regulator for electric circuits. No. 1,116,432; Nov. 10; Gaz. vol. 208; p. 369.
- James, Henry D., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Controller for induction-motors. No. 1,116,433; Nov. 10; Gaz. vol. 208; p. 370.
- James, Henry F. P. (See Pause, Herman, assignor.)

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- James, Jesse F., Billings, Mont. Hose-coupling. No. 1,098,265; May 26; Gaz. vol. 202; p. 1188.
- James, John W., Price, Utah. Adjustable stovepipe-holder. No. 1,110,938; Sept. 15; Gaz. vol. 206; p. 818.
- James L. Howard & Company. (See Howard, Charles P., assignor.)
- James, Llewellyn, Tilsonburg, Ontario, Canada, assignor to Borden's Condensed Milk Company, New York, N. Y. Can-printing machine. No. 1,106,712; Aug. 11; Gaz. vol. 205; p. 437.
- James Morrison Brass Manufacturing Company, The. (See Henderson, Matthew, assignor.)
- James, Rutherford B., and E. B. Crump. Ellsworth, Ill. Rat-trap. No. 1,097,642; May 26; Gaz. vol. 202; p. 969.
- James S. Kirk & Company. (See Becker and Ciesla, assignors.)
- James, Samuel, assignor to W. C. Hasha, Waco, Tex. Railway-switch. No. 1,084,440; Jan. 13; Gaz. vol. 198; p. 420.
- James, Stephen J., Seaford, Del. Street or station indicator. No. 1,101,444; June 23; Gaz. vol. 203; p. 1190.
- James, Thomas F., Darlington, S. C. Plow. No. 1,094,791; Apr. 28; Gaz. vol. 201; p. 1044.
- James, Thomas S., Peckham, London, England. Four-cycle internal-combustion engine. No. 1,104,804; July 28; Gaz. vol. 204; p. 1033.
- James, Willard C., Los Angeles, Cal. Sanitary kitchen, lavatory, and laundry appliance. No. 1,102,411; July 7; Gaz. vol. 204; p. 67.
- James, Willard C., Los Angeles, Cal. Combined laundry, kitchen, and pantry appliance. No. 1,102,412; July 7; Gaz. vol. 204; p. 68.
- James, William, Brooklyn, N. Y. Carburetor throttle-valve. No. 1,097,977; May 26; Gaz. vol. 202; p. 1091.
- James, William D., Fort Atkinson, Wis. Concrete-anchor. No. 1,104,805; July 28; Gaz. vol. 204; p. 1033.
- James, William H., Kansas City, Kans., assignor of one-half to M. E. Booth, Kansas City, Mo. Snow-plow. No. 1,086,298; Feb. 3; Gaz. vol. 199; p. 250.
- James, Willie E., Elberon, Va. Peanut-shelling machine. No. 1,114,619; Oct. 20; Gaz. vol. 207; p. 854.
- Jameson, Alexander, assignor to F. R. Henshaw, trustee, Indianapolis, Ind. Controller for automatic musical instruments. No. 1,109,992; Sept. 8; Gaz. vol. 206; p. 443.
- Jameson, Edgar E., Sunny Side, Miss. Car-seal. No. 1,102,512; July 7; Gaz. vol. 204; p. 101.
- Jameson, George P., assignor to The Thomas P. Taylor Co., Bridgeport, Conn. Collar-supporter. No. 1,116,344; Nov. 3; Gaz. vol. 208; p. 299.
- Jamestown Window Screen Company. (See Carlson, Edward, assignor.) (Reissue.)
- Jamieson, Bertrand G., Chicago, Ill. Telephone system. No. 1,096,108; May 12; Gaz. vol. 202; p. 354.
- Jamieson, Bertrand G., Chicago, Ill. Telephone system. No. 1,119,083; Dec. 1; Gaz. vol. 209; p. 64.
- Jamieson, Richard E., Montreal, Quebec, Canada. Truck-tire. No. 1,096,721; May 12; Gaz. vol. 202; p. 561.
- Jamieson, Robert W., and T. Miller, New York, N. Y. Clothes-pounder. No. 1,095,638; May 5; Gaz. vol. 202; p. 159.
- Jamieson, William M., Onehunga, Auckland, New Zealand. Steam-valve and fitting therefor. No. 1,108,500; Aug. 25; Gaz. vol. 205; p. 1160.
- Jaminet, August, San Francisco, Cal. Reinforced wood panel. No. 1,084,276; Jan. 13; Gaz. vol. 198; p. 368.
- Jamme, Marie E., Summit, N. J. Prescription-corset. No. 1,088,993; Mar. 3; Gaz. vol. 200; p. 110.
- Jandrier, Edmond, and G. S. Merrill, Peace Dale, R. I. Explosive charge. No. 1,109,292; Sept. 1; Gaz. vol. 206; p. 154.
- Jandus, William, Cleveland, Ohio. Electrometric appliance. No. 1,107,670; Aug. 18; Gaz. vol. 205; p. 823.
- Janes, Henry E., New York, N. Y. Range. No. 1,117,132; Nov. 10; Gaz. vol. 208; p. 619.
- Janes, John M., assignor to Lane Brothers Company, Poughkeepsie, N. Y. Door-hanger. No. 1,101,445; June 23; Gaz. vol. 203; p. 1190.
- Janes, Martin A., Northfield, Mass. Switchboard-plug. No. 1,104,195; July 21; Gaz. vol. 204; p. 772.
- Janesville Machine Company, The. (See Heylman, Edward M., assignor.)
- Janiga, Andrew. (See Eagle, Peter, assignor.)
- Janik, Edouard, assignor to La Société Générale Française des Caisse Payeuses et de Contrôle Système Janik, Paris, France. Cash controlling and registering and change-returning apparatus. No. 1,092,054; Mar. 31; Gaz. vol. 200; p. 1322.
- Janney, Eli H., deceased, Alexandria, Va.; R. E. L. Janney and G. L. Boothe, executors, assignors to American Steel Foundries, New York, N. Y. Locking-pin-lifting mechanism for car-couplings. No. 1,095,211; May 5; Gaz. vol. 202; p. 14.
- Jann, John H., Chicago, Ill. Wall-safe. No. 1,087,378; Feb. 17; Gaz. vol. 199; p. 722.
- Jann, John H., Chicago, Ill. Turret-operating mechanism for automatic screw-machines. No. 1,109,843; Sept. 8; Gaz. vol. 206; p. 389.
- Janneau, Charles A., assignor to Société Anonyme des Anciens Etablissements Charles Janneau, Paris, France. Manufacture of articles of agglomerated and reinforced cork. No. 1,094,656; Apr. 28; Gaz. vol. 201; p. 997.
- Janney, Reynold, New York, N. Y., assignor to The Waterbury Tool Company, New Britain, Conn. Controlling apparatus for hydraulic variable-speed gears. No. 1,108,443; Aug. 25; Gaz. vol. 205; p. 1138.
- Janney, Reynold, New York, N. Y., assignor to The Waterbury Tool Company, New Britain, Conn. Universal joint. No. 1,119,608; Dec. 1; Gaz. vol. 209; p. 244.
- Janney, Robert E. L., et al., executors. (See Janney, Eli H.)
- Janney, Robert E. L., Chicago, Ill. Friction mechanism for resisting strains. (Reissue.) No. 13,744; June 9; Gaz. vol. 203; p. 571.
- Janney, Robert E. L., Chicago, Ill. Contour car-coupling. No. 1,107,166; Aug. 11; Gaz. vol. 205; p. 596.
- Janney, Robert E. L., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Spring-cap for coupling-lifter holes. No. 1,085,262; Jan. 27; Gaz. vol. 198; p. 766.
- Janney, Robert E. L., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Car-coupling. No. 1,093,858; Apr. 21; Gaz. vol. 201; p. 666.
- Janney, Robert E. L., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Coupling-lock. No. 1,100,078; June 16; Gaz. vol. 203; p. 667.
- Jannoch, Paul W., Pasadena, Cal. Drip-catcher holder for hanging baskets. No. 1,095,504; May 5; Gaz. vol. 202; p. 114.
- Janouch, Frank, Lincoln, Nebr. Cork-extractor. No. 1,110,265; Sept. 8; Gaz. vol. 206; p. 541.
- Janpole, William M., Los Angeles, Cal. Apparatus for constructing sheets of material for building or other purposes. No. 1,107,074; Aug. 11; Gaz. vol. 205; p. 561.
- Janquart, Lyman, Menominee, Mich. Bean-snipper. No. 1,086,056; Feb. 3; Gaz. vol. 199; p. 171.
- Janquart, Lyman, Menominee, Mich. Bean-snipper. No. 1,115,546; Nov. 3; Gaz. vol. 208; p. 28.
- Jansen, Alfred W., New York, N. Y. Marker for scales and the like. No. 1,104,424; July 21; Gaz. vol. 204; p. 851.
- Jansen, Henry. (See Blacknall, Thomas H., assignor.)
- Jansen, J. H., et al. (See Kuehny, Charles O., assignor.)
- Jansen, Johannes. (See Blank, Heidenreich, and Jansen.)
- Janson, Carl A., Rockford, assignor of one-fifth to A. R. Newberg, Chicago, Ill. Differential transmission mechanism. No. 1,103,048; July 14; Gaz. vol. 204; p. 334.
- Janson, Julius, New York, N. Y. Zither. No. 1,116,287; Nov. 3; Gaz. vol. 208; p. 279.
- Jansson, Bennett G., Malden, assignor to Blake Signal and Manufacturing Co., Boston, Mass. Insulated cleat. No. 1,105,664; Aug. 4; Gaz. vol. 205; p. 27.
- Jansson, Charles A., assignor to Underwood Computing Machine Company, New York, N. Y. Shaft-coupling. No. 1,092,574; Apr. 7; Gaz. vol. 201; p. 155.
- Jansson, Karl E. O., Flushing, assignor to Standard Plunger Elevator Company, New York, N. Y. Hydraulic elevator. No. 1,094,998; Apr. 28; Gaz. vol. 201; p. 1117.
- Jansson, Karl E. O., Flushing, assignor to Standard Plunger Elevator Company, New York, N. Y. Hydraulic-elevator stop mechanism. No. 1,102,587; July 7; Gaz. vol. 204; p. 129.
- Jantsch, Heinrich, Leipzig, Germany. Apparatus for the photographic reproduction of books, writings, and the like. No. 1,085,866; Feb. 3; Gaz. vol. 199; p. 102.
- Jantzen, Marius, Houston, Tex. Drapery support and form. No. 1,087,771; Feb. 17; Gaz. vol. 199; p. 859.
- Janus, John A., Ord, Nebr. Drag attachment. No. 1,085,737; Feb. 3; Gaz. vol. 199; p. 56.
- Japanese Tissue Mills. (See Pope, Charles E., assignor.)
- Jaqua, Guy R., assignor to R. H. Taylor, Toledo, Ohio. Revolving card-display device. No. 1,120,503; Dec. 8; Gaz. vol. 209; p. 592.
- Jagues, Arthur, Redding, Polmont Station, Scotland, and G. Wells, St. Albans, England, assignors to Nobel's Explosives Company, Limited, Glasgow, Scotland. Explosive priming composition. No. 1,106,147; Aug. 4; Gaz. vol. 205; p. 197.
- Jagues, Fernando O., Jr., Cranston, assignor, by mesne assignments, to L. S. Moulthrop, Providence, R. I. Combined tap and drill-gage. No. 1,093,331; Apr. 14; Gaz. vol. 201; p. 450.
- Jagues, Fernando O., Jr., Cranston, R. I., assignor of one-half to L. S. Moulthrop, Providence, R. I. Means for forming tooth-crowns. No. 1,121,016; Dec. 15; Gaz. vol. 209; p. 820.
- Jagues, Fernando O., Sr., Cranston, R. I. Micrometer-calipers. No. 1,121,632; Dec. 22; Gaz. vol. 209; p. 1071.
- Jaquet, Charles, assignor to Schneider, Jaquet & Cie., G. m. b. H., Strassburg-Königshofen, Germany. Separator. No. 1,111,261; Sept. 22; Gaz. vol. 206; p. 973.
- Jaquette, Charles M. (See Jaquette, Fred C. and C. M.)
- Jaquette, Fred C. and C. M., Grand Junction, Colo.; said C. M. Jaquette assignor to said Fred C. Jaquette. Fruit-grader. No. 1,097,439; May 19; Gaz. vol. 202; p. 855.

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- Jardine, Robert. (See Brown, John R., assignor.)
- Jarman, Alfred J., Newark, N. J., assignor of one-half to J. J. Travers, New York, N. Y. Molding plates. No. 1,097,440; May 19; Gaz. vol. 202; p. 856.
- Jarman, George R., assignor of fifty one-hundredths to W. A. Matthews, Baltimore, Md. Attachment for furnaces. No. 1,115,203; Oct. 27; Gaz. vol. 207; p. 1116.
- Jaros, Ernest S., and W. R. Wilson, assignors to The United Demonstrating Machine Company, Columbus, Ohio. Advertising device. No. 1,087,295; Feb. 17; Gaz. vol. 199; p. 693.
- Jarrett, C. L. (See Harris, William E., assignor.)
- Jarrett, James T. (See Laughon, Ernest E., assignor.)
- Jarrett, Wilbur H. (See West, Earl E., assignor.)
- Jarrijou, Juan D., Barcelona, Spain, assignor to Chemische Fabrik Troisdorf, Dr. Hülsberg & Seiler, Oberlar, near Troisdorf, Germany. Lubricating device. No. 1,104,901; July 28; Gaz. vol. 204; p. 1067.
- Jarvis, Edgar B., assignor of one-half to P. Jarvis, Toronto, Ontario, Canada. Retainer for railway-spikes. No. 1,088,023; Feb. 24; Gaz. vol. 199; p. 994.
- Jarvis, Eli, Faust, N. Y. Railway-tie. No. 1,094,572; Apr. 28; Gaz. vol. 201; p. 966.
- Jarvis Engineering Co., Limited. (See Rothchild and Jarvis, assignors.)
- Jarvis, Frank, Hauppauge, N. Y. Envelop. No. 1,122,398; Dec. 29; Gaz. vol. 209; p. 1374.
- Jarvis, Henry J. (See Sigler and Jarvis.)
- Jarvis, John B. (See Rothchild and Jarvis.)
- Jarvis, John C. B., New York, N. Y. Combined ash-can and lawn-roller. No. 1,088,582; Feb. 24; Gaz. vol. 199; p. 1179.
- Jarvis, Paul. (See Jarvis, Edgar B., assignor.)
- Jarvis, Ruben P., Smith Center, assignor of two-thirds to A. F. Lutz and one-third to The Many Colored Electric Company, Beloit, Kans. Exhibiting device. No. 1,113,786; Oct. 13; Gaz. vol. 207; p. 523.
- Jarvis, Thompson P., San Francisco, Cal. Oil-burner. No. 1,107,614; Aug. 18; Gaz. vol. 205; p. 803.
- Jarvis, Virgil O., Hanford, Cal. Automatic relief-valve for tires. No. 1,104,902; July 28; Gaz. vol. 204; p. 1067.
- Jas. Clark, Jr., Electric Co. (See Stefater, Frank W., assignor.)
- Jas. H. Matthews & Co. (See Matthews, Thomas O., assignor.)
- Jasgur, Samuel, Brooklyn, N. Y. Attachment for window-shades. No. 1,098,730; June 2; Gaz. vol. 203; p. 127.
- Jaskiewicz, William, Lafayette, Colo. Safety device for elevators. No. 1,121,729; Dec. 22; Gaz. vol. 209; p. 1105.
- Jasper, Max, Berlin, Germany. Safety-closure for containers of inflammable liquids. No. 1,105,276; July 28; Gaz. vol. 204; p. 1196.
- Jasus, Jahn, Streator, Ill. Combined table and ironing-board. No. 1,100,887; June 23; Gaz. vol. 203; p. 998.
- Jasus, Jahn, A. Pastor, and G. Blasko, Streator, Ill. Spring-heel for shoes. No. 1,098,804; June 2; Gaz. vol. 203; p. 151.
- Jatko, Gus, Seattle, Wash. Paper-hanger's pasting-machine. No. 1,122,122; Dec. 22; Gaz. vol. 209; p. 1241.
- Jaubert, Antoine J. B., Simiane, France. Valve mechanism for explosion-motors. No. 1,120,149; Dec. 8; Gaz. vol. 209; p. 466.
- Jaubert, George F., Paris, France. Running internal-combustion engines. No. 1,099,445; June 9; Gaz. vol. 203; p. 412.
- Jaubert, George F., Paris, France. Preparation of hydrogen by autocombustion. No. 1,099,446; June 9; Gaz. vol. 203; p. 413.
- Jauch, Emil, Cincinnati, Ohio. Lotto-card. No. 1,113,639; Oct. 13; Gaz. vol. 207; p. 470.
- Javorina, Rade, Rembrandt, Iowa. Rail-brace. No. 1,085,049; Jan. 20; Gaz. vol. 198; p. 655.
- Jaworek, Engelbert, Crescent City, Cal. Logging-shoe. No. 1,106,098; Aug. 4; Gaz. vol. 205; p. 181.
- Jaworek, Engelbert, Crescent City, Cal. Dumping-car. No. 1,115,547; Nov. 3; Gaz. vol. 208; p. 28.
- Jay, Harry B., Aurora, Ill. Mute for trumpets, cornets, and like wind instruments. No. 1,114,886; Oct. 27; Gaz. vol. 207; p. 1002.
- Jay, William P., Davenport, Okla. Well-bucket. No. 1,113,787; Oct. 13; Gaz. vol. 207; p. 523.
- Jayne, Mary H., New York, N. Y. Collar fastener and support. No. 1,099,750; June 9; Gaz. vol. 203; p. 517.
- Jayne, Robert K., Jackson, Miss. Running-gear. No. 1,109,926; Sept. 8; Gaz. vol. 206; p. 420.
- Jayne, Wade H., New York, N. Y., assignor of one-half to E. L. Crans, Chestnut Hill, Mass. Handle attachment. No. 1,095,873; May 5; Gaz. vol. 202; p. 238.
- Jeavons, William R., Cleveland, Ohio. Oil-heater. No. 1,089,841; Mar. 10; Gaz. vol. 200; p. 448.
- Jeczalik, John, Chicago, assignor to W. Hegenscheldt, Worth, Ill. Shade-holder coupling. No. 1,092,795; Apr. 7; Gaz. vol. 201; p. 230.
- Jedel, Aaron, New York, N. Y. Pyrotechnic device. No. 1,094,999; Apr. 28; Gaz. vol. 201; p. 1117.
- Jedel, Aaron, New York, N. Y. Pyrotechnical toy. No. 1,110,205; Sept. 8; Gaz. vol. 206; p. 520.
- Jeeves, Edward H., London, Ontario, Canada. Window-screen attachment. No. 1,120,389; Dec. 8; Gaz. vol. 209; p. 552.
- Jeeves, Edward H., London, Ontario, Canada. Window-screen-attaching device. No. 1,120,390; Dec. 8; Gaz. vol. 209; p. 552.
- Jefferies, Ebenezer A. W., assignor to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 1,085,686; Feb. 3; Gaz. vol. 199; p. 37.
- Jefferies, Ebenezer A. W., and J. R. George, assignors to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 1,097,757; May 26; Gaz. vol. 202; p. 1011.
- Jefferies, Ebenezer A. W., and G. H. Isley, assignors to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 1,112,702; Oct. 6; Gaz. vol. 207; p. 104.
- Jefferis, Joshua M., Wilmington, Ohio. Corn-planter. No. 1,105,665; Aug. 4; Gaz. vol. 205; p. 27.
- Jeffery, Charles H. (See Gabris and Jeffery.)
- Jeffery, Charles T., et al., executors. (See Jeffery, Thomas B.)
- Jeffery, George G. (See Clark and Jeffery.)
- Jeffery, Harold L., Fort Thomas, Ky., and A. E. Schuchert, Norwood, Ohio. Attachment for machine-tools. No. 1,110,389; Sept. 15; Gaz. vol. 206; p. 624.
- Jeffery, Harold W., et al., executors. (See Jeffery, Thomas B.)
- Jeffery, Kate E., et al., executors. (See Jeffery, Thomas B.)
- Jeffery, Thomas B., deceased, Kenosha, Wis.; K. E., C. T., and H. W. Jeffery, executors. Automobile cooling system. No. 1,100,888; June 23; Gaz. vol. 203; p. 998.
- Jeffords, Clyde R., New York, N. Y. Shoe-lace tip. No. 1,115,204; Oct. 27; Gaz. vol. 207; p. 1117.
- Jeffrey, Joseph A. (See Lynch, George E., assignor.)
- Jeffrey Manufacturing Company, The. (See Coseo, Frederick C., assignor.)
- Jeffrey Manufacturing Company, The. (See Dunlop, Robert R., assignor.)
- Jeffrey Manufacturing Company, The. (See Fisher, Dudley T., assignor.)
- Jeffrey Manufacturing Company, The. (See Liggett, William K., assignor.)
- Jeffrey Manufacturing Company, The. (See Mayers, Wilbur S., assignor.)
- Jeffrey Manufacturing Company, The. (See Mueller, George H., assignor.)
- Jeffrey Manufacturing Company, The. (See Perin, Glover F., assignor.)
- Jeffrey Manufacturing Company, The. (See Renner, Roland B., assignor.)
- Jeffrey Manufacturing Company, The. (See Sessions, Frank L., assignor.)
- Jeffrey Manufacturing Company, The. (See Stepanian, Stephen, assignor.)
- Jeffrey Manufacturing Company, The. (See Trotter, Walter F., assignor.)
- Jeffrey Manufacturing Company, The. (See Waxbom, Carl J. E., assignor.)
- Jeffrey Manufacturing Company, The. (See Willson, Freeman R., assignor.)
- Jeffrey Manufacturing Company, The. (See Willson, Freeman R., Jr., assignor.)
- Jeffries, Robert D., New Windsor, N. Y., assignor to H. Schofield, S. J. Ross, and O. P. MacFarlane, London, England. Circulating means for boilers. No. 1,083,281; Jan. 6; Gaz. vol. 198; p. 7.
- Jeffreys, William M., and W. H. Creahen, Youngstown, Ohio. Secondary clock. No. 1,083,834; Jan. 6; Gaz. vol. 198; p. 188.
- Jeffries, Charles H., assignor of one-half to L. A. Karcher, Boston, Mass. Moving-picture apparatus. No. 1,117,956; Nov. 17; Gaz. vol. 208; p. 948.
- Jeffries, Louis H., Minneapolis, Minn. Photographic developing-tank. No. 1,108,581; Aug. 25; Gaz. vol. 205; p. 1188.
- Jeffries, Nicholas J., Atlantic City, N. J. Antenna for wireless telegraphy. No. 1,106,945; Aug. 11; Gaz. vol. 205; p. 520.
- Jehlicka, Gottlieb F., Williamsville, Mass. Bleaching beeswax. No. 1,106,221; Aug. 4; Gaz. vol. 205; p. 221.
- Jeidel, Betty, widow. (See Jeidel, Oscar.)
- Jeidel, Oscar, deceased, B. Jeidel, widow, Berlin, Germany. Device for lighting and extinguishing lamps. No. 1,086,717; Feb. 10; Gaz. vol. 199; p. 443.
- Jelalian, Sarkis, Providence, R. I. Dirigible airship. No. 1,108,444; Aug. 25; Gaz. vol. 205; p. 1138.
- Jelalian, Sarkis, Cranston, R. I. Transmission-drive for dirigible airships. No. 1,118,205; Nov. 24; Gaz. vol. 208; p. 1074.
- Jelenk, Theodore. (See Tarasch, Louis C., assignor.)
- Jella, Fred K., and F. M. Browning, Lawrence, Kans. Device for repairing films. No. 1,095,874; May 5; Gaz. vol. 202; p. 239.
- Jellinek, Josef. (See Kremenezky and Jellinek.)
- Jellings, Frank. (See Brett, William J., assignor.)
- Jenaway, Dominic. (See Santore, Thomas, assignor.)
- Jenison, Johannes G. von, Linoleumville, N. Y. Lamp and attaching means therefor. No. 1,085,384; Jan. 27; Gaz. vol. 198; p. 809.

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- Jenkins, Alexander F., Baltimore, Md. Acetylene-generator. No. 1,096,245; May 12; Gaz. vol. 202; p. 401.
- Jenkins, Alexander F., Baltimore, Md. Acetylene-generator. No. 1,096,246; May 12; Gaz. vol. 202; p. 401.
- Jenkins, Alexander F., Baltimore, Md. Acetylene-generating system for train and vehicle lighting. No. 1,096,247; May 12; Gaz. vol. 202; p. 401.
- Jenkins, Alexander F., Baltimore, Md. Acetylene-generating system. No. 1,096,248; May 12; Gaz. vol. 202; p. 402.
- Jenkins, Alexander F., Baltimore, Md. Razor-strop. No. 1,115,824; Nov. 3; Gaz. vol. 208; p. 120.
- Jenkins, Alexander F., assignor to The Alexander Milburn Company, Baltimore, Md. Acetylene generator and torch. No. 1,116,821; Nov. 10; Gaz. vol. 208; p. 512.
- Jenkins, Alexander F., assignor to The Alexander Milburn Company, Baltimore, Md. Portable acetylene generator and torch. No. 1,116,822; Nov. 10; Gaz. vol. 208; p. 512.
- Jenkins, Arthur H., Beverly, and V. L. Murray, Salem, Mass. Raceway for lacing-hook-setting machines. No. 1,095,576; May 5; Gaz. vol. 202; p. 138.
- Jenkins, Benjamin, Washington, D. C. Gas-cock-operating device. No. 1,097,441; May 19; Gaz. vol. 202; p. 856.
- Jenkins, Charles F., Washington, D. C. Flying-machine. No. 1,085,263; Jan. 27; Gaz. vol. 198; p. 767.
- Jenkins, Charles F., Washington, D. C. Aeroplane-engine. No. 1,089,645; Mar. 10; Gaz. vol. 200; p. 381.
- Jenkins, Charles F., Washington, D. C. Motion-picture camera. No. 1,089,646; Mar. 10; Gaz. vol. 200; p. 381.
- Jenkins, Charles F., Washington, D. C. Picture-projecting device. No. 1,090,622; Mar. 17; Gaz. vol. 200; p. 762.
- Jenkins, Charles F., Washington, D. C. Motion-picture apparatus. No. 1,091,343; Mar. 24; Gaz. vol. 200; p. 1034.
- Jenkins, Charles F., Washington, D. C. Aeroplane or flying-machine. No. 1,092,365; Apr. 7; Gaz. vol. 201; p. 83.
- Jenkins, Charles F., Washington, D. C. Film-winding device. No. 1,093,933; Apr. 21; Gaz. vol. 201; p. 691.
- Jenkins, Charles F., Washington, D. C. Internal-combustion engine. No. 1,098,805; June 2; Gaz. vol. 203; p. 152.
- Jenkins, Charles H., Belleville, N. J., assignor to Newman Clock Company, New York, N. Y. Record-dial-supporting device for watchmen's time-recorders. No. 1,088,994; Mar. 3; Gaz. vol. 200; p. 110.
- Jenkins, Charles H., Belleville, N. J., assignor to Newman Clock Company, New York, N. Y. Key-actuating mechanism for time-registers. No. 1,101,800; June 30; Gaz. vol. 203; p. 1365.
- Jenkins, Charles H., Belleville, N. J., assignor to Newman Clock Company, New York, N. Y. Key for watchmen's registers. No. 1,112,618; Oct. 6; Gaz. vol. 207; p. 75.
- Jenkins, Ed M., Waco, Tex. Sanitary mouthpiece. No. 1,112,291; Sept. 29; Gaz. vol. 206; p. 1365.
- Jenkins, Henry, Gillette, Wyo. Mail-bag catcher and deliverer. No. 1,084,579; Jan. 13; Gaz. vol. 198; p. 467.
- Jenkins, Hugh A. (See Riley, Vance, and Jenkins.)
- Jenkins, John H., Jackson, Mo. Vehicle-fender. No. 1,088,426; Feb. 24; Gaz. vol. 199; p. 1130.
- Jenkins, Marion R., Chillicothe, Mo. Hay rake and stacker. No. 1,091,064; Mar. 24; Gaz. vol. 200; p. 942.
- Jenkins, Merrill L., Harvey, Ill., assignor to Buda Company, Chicago, Ill. Casing for motor gearing and starter connections. No. 1,102,338; July 7; Gaz. vol. 204; p. 41.
- Jenkins, Merrill L., Harvey, assignor to Buda Company, Chicago, Ill. Friction driving mechanism. No. 1,110,793; Sept. 15; Gaz. vol. 206; p. 767.
- Jenkins, Thomas L., Williamstown, Victoria, E. O'Brien, Footscray, J. Burgell and J. Cramer, Williamstown, Victoria, Australia. Reversible life-saving sailing raft. No. 1,101,632; June 30; Gaz. vol. 203; p. 1308.
- Jenkins, Ulysses S. (See Poindexter, William B., assignor.)
- Jenkins, Walter M. (See Clemmensen and Jenkins.)
- Jenkins, William, Meaford, Ontario, Canada. Circular-saw guard. No. 1,089,223; Mar. 3; Gaz. vol. 200; p. 189.
- Jenkins, William, Meaford, Ontario, Canada. Planer-guard. No. 1,094,657; Apr. 28; Gaz. vol. 201; p. 997.
- Jenkins, William G., Anita, Pa. Bank-car. No. 1,092,055; Mar. 31; Gaz. vol. 200; p. 1322.
- Jenkins, William L., New Castle, Pa. Tin-sheet-doubling machine. No. 1,090,786; Mar. 17; Gaz. vol. 200; p. 813.
- Jenkins, William M., Chicago, Ill. Locking device. No. 1,084,918; Feb. 3; Gaz. vol. 199; p. 120.
- Jenks, Reuben, Youngstown, Ohio. Fastener. No. 1,091,344; Mar. 24; Gaz. vol. 200; p. 1035.
- Jenne, Robert A., Eureka, Kans. Horse-releasing device. No. 1,112,910; Oct. 6; Gaz. vol. 207; p. 174.
- Jenne, Theodore T. (See Bullock, Arthur R., assignor.)
- Jenner, George A., San Antonio, Tex. Number-displaying device. No. 1,107,525; Aug. 18; Gaz. vol. 205; p. 770.
- Jenness, Charles L., *et al.* (See Minor, Charles C., assignor.)
- Jennings, Chester S., Boston, Mass., assignor to Lamson Company, Newark, N. J. Automatic pressure-switch controller. No. 1,084,277; Jan. 13; Gaz. vol. 198; p. 368.
- Jennings, Chester S., assignor, by mesne assignments, to American Pneumatic Service Company, Boston, Mass. Store-service apparatus. No. 1,087,948; Feb. 24; Gaz. vol. 199; p. 966.
- Jennings, Colonel D., Park, Va. Bit. No. 1,118,777; Nov. 24; Gaz. vol. 208; p. 1274.
- Jennings, David J., Cleveland, Ohio. Machine for the manufacture of paper receptacles. No. 1,107,956; Aug. 18; Gaz. vol. 205; p. 920.
- Jennings, Frederick W., London, England. Control-valve. No. 1,106,454; Aug. 11; Gaz. vol. 205; p. 345.
- Jennings, Granville P., Appomattox, Va. Cover for receptacles. No. 1,092,056; Mar. 31; Gaz. vol. 200; p. 1322.
- Jennings, John E., St. Louis, Mo. Apparatus for testing color sense. No. 1,118,014; Nov. 24; Gaz. vol. 208; p. 1008.
- Jennings, John F., Smithfield, Ill. Draft-equalizer. No. 1,091,846; Mar. 31; Gaz. vol. 200; p. 1253.
- Jennings, John P. (See Jennings, Luther M. and J. P.)
- Jennings, Luther M. (See Harris and Jennings.)
- Jennings, Luther M. and J. P., Star, Va. Match-box. No. 1,110,693; Sept. 15; Gaz. vol. 206; p. 732.
- Jennings, Nathan L., Chicago Heights, Ill. Clutch mechanism. No. 1,122,206; Dec. 22; Gaz. vol. 209; p. 1270.
- Jennings, Richard P., Somerville, Mass., assignor to American Lacing Hook Co. Hopper. No. 1,111,070; Sept. 22; Gaz. vol. 206; p. 907.
- Jennings, Victor H., assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Woven revolver-holster. No. 1,102,195; June 30; Gaz. vol. 203; p. 1505.
- Jennings, Victor H., assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Sheath or scabbard. No. 1,108,864; Aug. 25; Gaz. vol. 205; p. 1285.
- Jennings, Victor H., assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Woven bandoleer. No. 1,110,694; Sept. 15; Gaz. vol. 206; p. 733.
- Jennings, Victor H., assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Woven article. No. 1,117,190; Nov. 17; Gaz. vol. 208; p. 679.
- Jennings, Walter H., *et al.* (See Murchey, William, assignor.)
- Jenoi, Eugene, and S. Kruchio, Thorpe, W. Va.; said Jenoi assignor of one-half of the entire right to said Kruchio, R. M. Szabo, and S. Kruchio, Uniontown, Pa. Spring-heel. No. 1,094,211; Apr. 21; Gaz. vol. 201; p. 785.
- Jenoi, Eugene, and S. Kruchio, Thorpe, W. Va.; said Jenoi assignor to said S. Kruchio, R. M. Szabo, and S. Kruchio, Uniontown, Pa. Shock-absorber. No. 1,104,196; July 21; Gaz. vol. 204; p. 772.
- Jenoi, Eugene, and S. Kruchio, assignors of twenty-five one-hundredths to G. R. Szűcs and twenty-five one-hundredths to A. Kruchio, Uniontown, Pa. Antiskid device. No. 1,107,796; Aug. 18; Gaz. vol. 205; p. 867.
- Jenoi, Eugene, and J. Stevenson, Jenkins, Ky.; said Jenoi assignor to S. Kruchio, R. M. Szabo, and S. Kruchio, Uniontown, Pa. Rail-contact for vehicles. No. 1,106,387; Aug. 11; Gaz. vol. 205; p. 320.
- Jenoi, Eugene, and S. Nagy, Thorpe, W. Va.; said Jenoi assignor of one-half to S. Kruchio, R. M. Szabo, and S. Kruchio, Uniontown, Pa. Garment-hanger. No. 1,113,640; Oct. 13; Gaz. vol. 207; p. 470.
- Jensen, Aage. (See Gray, Chester E., assignor.)
- Jensen, Albert J., Vancouver, British Columbia, Canada. Measure. No. 1,105,439; July 28; Gaz. vol. 204; p. 1255.
- Jensen, Alexander V., Brooklyn, N. Y. Mixing plastic mixtures. No. 1,096,785; May 12; Gaz. vol. 202; p. 582.
- Jensen, Alexander V., Devils Slide, Utah. Loading apparatus. No. 1,120,200; Dec. 8; Gaz. vol. 209; p. 485.
- Jensen, Alexander V., Brooklyn, assignor to himself, and I. E. A. Konigsberg, New York, N. Y. Key-duplicating machine. No. 1,087,949; Feb. 24; Gaz. vol. 199; p. 966.
- Jensen, Carel L., Pekin, N. D. Chicken-coop. No. 1,120,504; Dec. 8; Gaz. vol. 209; p. 592.
- Jensen, Christian J., Preston, Idaho. Subsoiler plow attachment. No. 1,103,293; July 14; Gaz. vol. 204; p. 419.
- Jensen, Hans P., San Francisco, Cal. Beet-harvester. No. 1,102,272; July 7; Gaz. vol. 204; p. 18.
- Jensen, Hans L., assignor to The Egly Register Company, Dayton, Ohio. Numbering mechanism. No. 1,103,049; July 14; Gaz. vol. 204; p. 335.
- Jensen, Henry M., H. H. J. Benson, San Pedro, and J. W. Lewis, San Francisco, Cal. Mechanical navigator. No. 1,101,128; June 23; Gaz. vol. 203; p. 1083.
- Jensen, Jens C., Fresno, Cal. Baby-feeder and toy-holder. No. 1,097,097; May 19; Gaz. vol. 202; p. 737.
- Jensen, Jens H., Minden, Nebr. Transmission-gearing. No. 1,108,582; Aug. 25; Gaz. vol. 205; p. 1188.
- Jensen, Jens H., Minden, Nebr. Knife for band-cutters. No. 1,120,721; Dec. 15; Gaz. vol. 209; p. 717.
- Jensen, Jens K., Klutzow, Pomerania, Germany. Machine for cutting the ends of clay pipes in an undulating line. No. 1,108,845; Aug. 25; Gaz. vol. 205; p. 1277.
- Jensen, Jens T. (See Underwood, Frank G., assignor.)

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- Jensen, Jim, Walnut, Iowa. Tongue-supporter for vehicles. No. 1,087,379; Feb. 17; Gaz. vol. 199; p. 722.
- Jensen, Julian B., Oakland, Cal. Gas-engine. No. 1,094,658; Apr. 28; Gaz. vol. 201; p. 998.
- Jensen, Julius N., Lake City, Colo. Stanchion. No. 1,106,713; Aug. 11; Gaz. vol. 205; p. 437.
- Jensen, Martin. (See Davidson, Jensen, and Blocker.)
- Jensen, Nels A., Willmar, Minn. Flagstaff. No. 1,102,413; July 7; Gaz. vol. 204; p. 68.
- Jensen, Peter L. (See Pridham and Jensen.)
- Jensen, Peter L., assignor to Commercial Wireless and Development Company, San Francisco, Cal. Wireless apparatus. No. 1,106,874; Aug. 11; Gaz. vol. 205; p. 494.
- Jensen, Peter L., and E. S. Pridham, Napa, assignors to Commercial Wireless & Development Co., San Francisco, Cal. Telephone. No. 1,088,283; Feb. 24; Gaz. vol. 199; p. 1083.
- Jensen, Peter L., and E. S. Pridham, Napa, assignors to Commercial Wireless & Development Co., San Francisco, Cal. Telephone set. No. 1,099,550; June 9; Gaz. vol. 203; p. 449.
- Jensen, Peter L., and E. S. Pridham, Napa, assignors to Commercial Wireless & Development Co., San Francisco, Cal. Wireless apparatus. No. 1,106,875; Aug. 11; Gaz. vol. 205; p. 495.
- Jensen, Sophus P., San Francisco, Cal. Combined merry-go-round and skating-rink. No. 1,097,026; May 19; Gaz. vol. 202; p. 711.
- Jensen, Soren, Racine, Wis. Safety appliance for railways. No. 1,094,212; Apr. 21; Gaz. vol. 201; p. 785.
- Jensen, Victor G., Chicago, Ill. Time-switch. No. 1,098,387; June 2; Gaz. vol. 203; p. 10.
- Jepperson, Jeppe, Salt Lake City, Utah. Boot and shoe. No. 1,112,290; Sept. 29; Gaz. vol. 206; p. 1364.
- Jeppesen, John, Centerburg, Ohio. Milk cooler and aerator. No. 1,092,532; Apr. 7; Gaz. vol. 201; p. 141.
- Jeppson, George N., Worcester, Mass. Abrading-wheel. No. 1,097,758; May 26; Gaz. vol. 202; p. 1011.
- Jepson, Frederick, Council Bluffs, Iowa. Note-book holder. No. 1,085,264; Jan. 27; Gaz. vol. 198; p. 767.
- Jepson, John W., Depew, and W. F. Bouché, Buffalo, N. Y., assignors to Gould Coupler Company. Journal-box for armature-shafts. No. 1,116,283; Nov. 3; Gaz. vol. 208; p. 279.
- Jerkowski, Louis. (See Berg, Lewis H., assignor.)
- Jernberg, John G., Boston, Mass. Calipers. No. 1,099,652; June 9; Gaz. vol. 203; p. 483.
- Jerram, Arthur E. (See Bates, Jerram, and Gouldbourn.)
- Jerram, Arthur E., Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Feather-edging machine. No. 1,115,074; Oct. 27; Gaz. vol. 207; p. 1070.
- Jerram, Arthur E., Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Leveling-machine. No. 1,116,071; Nov. 3; Gaz. vol. 208; p. 207.
- Jerram, Arthur E., Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Feeding mechanism for shoe machinery. No. 1,118,016; Nov. 24; Gaz. vol. 208; p. 1008.
- Jerram, Arthur E., Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,120,201; Dec. 8; Gaz. vol. 209; p. 485.
- Jerram, Arthur E., and J. Gouldbourn, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Buffing-machine. No. 1,119,828; Dec. 8; Gaz. vol. 209; p. 355.
- Jerram, Arthur E., A. Bates, and J. Gouldbourn, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Work-support. No. 1,118,015; Nov. 24; Gaz. vol. 208; p. 1008.
- Jerrel, Thomas M. (See Jones and Jerrel.)
- Jerris, Frederick L. (See Ross, John D., assignor.)
- Jerry, Napoleon J., Brockton, Mass. Protector for shoes. No. 1,120,310; Dec. 8; Gaz. vol. 209; p. 523.
- Jersey City Printing Company, The. (See Dear, William Y., assignor.)
- Jervis, Frederick. (See Marsden and Jervis.)
- Jervis, Thomas H., Ebensburg, Pa. Gravity-bed. No. 1,111,654; Sept. 22; Gaz. vol. 206; p. 1108.
- Jessen, Arnold H., Los Angeles, Cal. Variable-speed power-transmitting device. No. 1,105,792; Aug. 4; Gaz. vol. 205; p. 71.
- Jessen, James, assignor to D. & D. Button-Hole Machine Company, Minneapolis, Minn. Buttonhole attachment for sewing-machines. No. 1,116,072; Nov. 3; Gaz. vol. 208; p. 207.
- Jessup, Kate M., Centerville, Ind. Doll-support. No. 1,105,519; July 28; Gaz. vol. 204; p. 1283.
- Jessup, William S., New York, N. Y. Coffee-percolator. No. 1,092,575; Apr. 7; Gaz. vol. 201; p. 155.
- Jester, Alfred T., Houston, Tex. Telegraph repeating system. No. 1,116,591; Nov. 10; Gaz. vol. 208; p. 429.
- Jester, Eugene L., East Liverpool, Ohio. Earthenware-press. No. 1,103,968; July 21; Gaz. vol. 204; p. 695.
- Jester, Marvin H., Denver, Colo., assignor to The M. H. Jester Investment Company. Metallic studding and metal yoking-clip for supporting and securing plaster-boards together in partition construction. No. 1,087,019; Feb. 10; Gaz. vol. 199; p. 545.
- Jester, Marvin H., Denver, Colo., assignor to The M. H. Jester Investment Company. Yoking-clip for securing plaster-boards to metallic studding. No. 1,101,553; June 30; Gaz. vol. 203; p. 1280.
- Jeter, Allen H., New York, N. Y. Skylight. No. 1,119,829; Dec. 8; Gaz. vol. 209; p. 355.
- Jeter, Henry H., Thayer, Iowa. Wire-fence-stretching clamp. No. 1,084,802; Jan. 20; Gaz. vol. 198; p. 573.
- Jeter, Sherwood F., Hartford, Conn. Facilitating the detection of steam-boiler seam-cracks. No. 1,091,847; Mar. 31; Gaz. vol. 200; p. 1254.
- Jetter, B. J., et al. (See Hale, William H., assignor.)
- Jetter, Louis H., Jr., New York, N. Y. Collapsible basket. No. 1,119,429; Dec. 1; Gaz. vol. 209; p. 183.
- Jewell, Clay, Baltimore, Md. Motor-controller. No. 1,113,901; Oct. 13; Gaz. vol. 207; p. 563.
- Jewell, Dell W., Kalamazoo, Mich. Automatic mechanism for recalling chronological data. No. 1,117,675; Nov. 17; Gaz. vol. 208; p. 851.
- Jewell, Frank. (See Mitchell and Jewell.)
- Jewell, John W., Jewell, Iowa. Feeding-trough. No. 1,090,987; Mar. 24; Gaz. vol. 200; p. 915.
- Jewett, Chester M. (See Atkinson, Charles L., assignor.)
- Jewett & Company. (See Grady, Charles F. and F. L., assignors.)
- Jewett, Franc J., New York, N. Y., assignor to H. W. Johns-Manville Company. Machine for making metal-reinforced roofing. No. 1,105,277; July 28; Gaz. vol. 204; p. 1196.
- Jewett, Frank B., Wyoming, and T. Shaw, Hackensack, N. J., assignors to American Telephone and Telegraph Company. Case for loading coils. No. 1,100,018; June 16; Gaz. vol. 203; p. 645.
- Jewett, John R., Wood River, Nebr. Vault-mold. No. 1,114,266; Oct. 20; Gaz. vol. 207; p. 732.
- Jewett, Leroy R., Lynn, Mass. Electric-lighting system. No. 1,110,490; Sept. 15; Gaz. vol. 206; p. 661.
- Jex, William A., Rochester, N. Y. Combustion-engine. No. 1,110,390; Sept. 15; Gaz. vol. 206; p. 625.
- Jno, Waldron Co. (See Waldron, William H., assignor.)
- Joachim, Ferencz, Pullman, Ill. Receptacle. No. 1,106,946; Aug. 11; Gaz. vol. 205; p. 520.
- Jobes, Willard S., assignor to J. A. Graham, San Antonio, Tex. Tire-inflating pump. No. 1,115,435; Oct. 27; Gaz. vol. 207; p. 1193.
- Jobson, John A., Shamokin, Pa. Amusement apparatus. No. 1,109,421; Sept. 1; Gaz. vol. 206; p. 201.
- Joch, Anton, Cleveland, Ohio. Ventilator. No. 1,109,927; Sept. 8; Gaz. vol. 206; p. 420.
- Jochum, William, et al. (See Learned, Willard M., assignor.)
- Jockers, George W., assignor to E. H. Hopkins, Cleveland, Ohio. Securing device for electroliers and the like. No. 1,093,332; Apr. 14; Gaz. vol. 201; p. 450.
- Jockmus, Charles H., Ansonia, Conn. Auxiliary air-inlet device for internal-combustion engines. No. 1,103,969; July 21; Gaz. vol. 204; p. 695.
- Joekel, Henry F., Camp Point, Ill. Two-party telephone system. No. 1,111,024; Sept. 22; Gaz. vol. 206; p. 891.
- Joeken, Peter J., assignor to Falls Machine Company, Sheboygan Falls, Wis. Feed device for planers and the like. No. 1,098,629; June 2; Gaz. vol. 203; p. 94.
- Joell, Frederick W., Hamilton, Bermuda. Front-wheel holder for bicycles and motor-cycles. No. 1,121,843; Dec. 22; Gaz. vol. 209; p. 1145.
- Joffe, Harris N. (See Clark, Raymond L., assignor.)
- Johannesen, Svend E., Pittsfield, Mass., assignor to General Electric Company. Alternating-current regulator. No. 1,088,704; Mar. 3; Gaz. vol. 200; p. 12.
- Johannesen, Svend E., Pittsfield, Mass., assignor to General Electric Company. Transformer. No. 1,101,027; June 23; Gaz. vol. 203; p. 1049.
- Johannesen, Svend E., Pittsfield, Mass., assignor to General Electric Company. Transformer. No. 1,102,513; July 7; Gaz. vol. 204; p. 101.
- Johansen, Fredrick W., San Francisco, assignor of one-fourth to A. Ball, Coalinga, Cal. Renewable flange for car-wheels. No. 1,086,669; Feb. 10; Gaz. vol. 199; p. 426.
- Johansen, Ingwald, New York, N. Y., assignor of one-half to A. Forsgreen, Egeland, N. D. Raft or boat davit. No. 1,100,571; June 16; Gaz. vol. 203; p. 835.
- Johanson, Emil G., Chicago, Ill. Multiple-speed gearing. No. 1,113,641; Oct. 13; Gaz. vol. 207; p. 471.
- Johanson, Engebright A., Seattle, Wash. Boat. No. 1,122,123; Dec. 22; Gaz. vol. 209; p. 1241.
- Johanson, George, et al. (See Stadig, Esaias T., assignor.)
- Johansson, Carl A., Christiania, assignor of one-half to H. C. B. Christopherson, Slemdal, Norway. Fire-escape. No. 1,116,434; Nov. 10; Gaz. vol. 208; p. 370.
- Johansson, Frans J., Stockholm, and E. A. O. Göthe Ny-näshamn, Sweden. Milking-machine operated by compressed air or the like. No. 1,116,708; Nov. 10; Gaz. vol. 208; p. 472.

Alphabetical list of patentees—Continued.

- Johansson, Frans J., Stockholm, and E. A. O. Göthe, Nynäshamn, Sweden. Milking-machine. No. 1,122,762; Dec. 29; Gaz. vol. 209; p. 1500.
- Johansson, Johan P., Euköping, Sweden. Centrifugal liquid-separator. No. 1,115,825; Nov. 3; Gaz. vol. 208; p. 120.
- Johansson, Johan P., assignor to Aktiebolaget Enköpings Verkstader, Enköping, Sweden. Pipe-tongs. No. 1,112,619; Oct. 6; Gaz. vol. 207; p. 75.
- John A. Colby & Sons. (See Albano, Peter, assignor.)
- John A. Roebling's Sons Company. (See Lee and Sunderland, assignors.)
- John A. Roebling's Sons Company. (See Sunderland, Charles C., assignor.)
- John B. Adt Company, The. (See Adt, John B., assignor.)
- John Church Company, The. (See Lambert, Clayton A., assignor.)
- John F. Schrink & Son. (See Schrink, John A., assignor.)
- John, Ferdinand, St. Ouen, France, assignor to E. W. Bliss Company, Brooklyn, N. Y. Apparatus for indicating and recording pressures exerted in presses. No. 1,122,239; Dec. 22; Gaz. vol. 209; p. 1281.
- John, Frederick H., Middleport, Pa. Auto-wheel. No. 1,102,665; July 7; Gaz. vol. 204; p. 156.
- John, George, Wheeling, W. Va. Recoil-loading rifle. No. 1,121,633; Dec. 22; Gaz. vol. 209; p. 1071.
- John, Griffith. (See Lindquist, Smith, and John.)
- John, Griffith, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Rope-drive elevator. No. 1,102,514; July 7; Gaz. vol. 204; p. 102.
- John H. Giles Dyeing Machine Company. (See Giles, John H. and D. M., assignors.)
- John I. Thornycroft & Co. Limited. (See Mackie, Robert, assignor.)
- John L. Sommer Mfg. Co. (See Passmore, Charles L., assignor.)
- John Lauson Manufacturing Company, The. (See Edens, Henry N., assignor.)
- John M. Russell Manufacturing Company, The. (See Russell, John M., assignor.)
- John MacGregor Company, The. (See Pierce, Henry N., assignor.)
- John Maddock & Sons. (See Bamford, Frank W., assignor.)
- John Steptoe Shaper Company, The. (See Atkinson, George K., assignor.)
- John T. Mauran Manufacturing Company. (See Keith, Ozro F., assignor.)
- John T. Mauran Mfg. Co., The. (Hennessey, John H., assignor.)
- John Thomson Press Company. (See Thomson, John, assignor.)
- John W. Mealy & Sons Co. (See Murphey, John S., assignor.)
- John Walker Machine Company. (See Walker, John, assignor.)
- John Wanamaker Inc. (See Tily and Rehfuß, assignors.)
- Johns, George M., St. Louis, Mo. Motor-starting rheostat. No. 1,117,191; Nov. 17; Gaz. vol. 208; p. 680.
- Johns, H. W. (See Le Pontois, Leon J., assignor.)
- Johns, John H., Leavenworth, Kans. Electrolier. No. 1,090,154; Mar. 17; Gaz. vol. 200; p. 597.
- Johns, Karl J., Kansas City, Mo. Combined child's go-cart and nursery-chair. No. 1,090,623; Mar. 17; Gaz. vol. 200; p. 762.
- Johns, Luther. (See Paine, Clifford E., assignor.)
- Johns, Luther, Oak Park, Ill. Cycle-frame. No. 1,109,230; Sept. 1; Gaz. vol. 206; p. 133.
- Johns-Pratt Company, The. (See Alvord, Elliot L., assignor.)
- Johns-Pratt Company, The. (See Cole, Robert C., assignor.)
- Johns-Pratt Company, The. (See Hooker, Duncan C., assignor.)
- Johns, Thomas, Philadelphia, Pa. Heel. No. 1,119,513; Dec. 1; Gaz. vol. 209; p. 212.
- Johnsen, Peter, Morgan City, La. Fuel-charging and charge-forming apparatus for internal-combustion engines. No. 1,122,124; Dec. 22; Gaz. vol. 209; p. 1241.
- Johnson, Aben. (See Wilson, Richard T., assignor.)
- Johnson, Albert, New York, N. Y. Means for cutting bass-string felt dampers. No. 1,117,577; Nov. 17; Gaz. vol. 208; p. 815.
- Johnson, Albert E., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for making insoles. No. 1,089,472; Mar. 10; Gaz. vol. 200; p. 320.
- Johnson, Albert E., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Insole-lip-sewing machine. No. 1,089,473; Mar. 10; Gaz. vol. 200; p. 321.
- Johnson, Albert E., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for making insoles. No. 1,109,759; Sept. 8; Gaz. vol. 206; p. 360.
- Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Insole-lip-sewing machine. No. 1,089,474; Mar. 10; Gaz. vol. 200; p. 321.
- Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lubricating device for sewing-machine needles. No. 1,108,445; Aug. 25; Gaz. vol. 205; p. 1139.
- Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Insole. No. 1,109,760; Sept. 8; Gaz. vol. 206; p. 360.
- Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Insole. No. 1,109,761; Sept. 8; Gaz. vol. 206; p. 360.
- Johnson, Albert G., Huntington, Ind. Railway-switch. No. 1,095,639; May 5; Gaz. vol. 202; p. 159.
- Johnson, Albin, *et al.* (See Johnson, Gustaf O., assignor.)
- Johnson, Alfred, Quincy, Ill. Wheel-mount. No. 1,114,481; Oct. 20; Gaz. vol. 207; p. 810.
- Johnson, Alfred, and W. S. Durlin, Marion, Ind. Check-valve. No. 1,113,642; Oct. 13; Gaz. vol. 207; p. 471.
- Johnson, Alfred C. (See Calkins and Johnson.)
- Johnson, Alfred C., Winters, assignor of one-half to W. J. Benson, San Jose, Cal. Device for washing air. No. 1,120,818; Dec. 15; Gaz. vol. 209; p. 751.
- Johnson, Alfred L., Ashtabula, Ohio. Locomotive spark and cinder arrester. No. 1,096,035; May 12; Gaz. vol. 202; p. 329.
- Johnson, Allen S., Washington, D. C. Ventilating apparatus for kitchens. No. 1,087,380; Feb. 17; Gaz. vol. 199; p. 723.
- Johnson, Alva P., Tulia, Tex. Wrench. No. 1,084,441; Jan. 13; Gaz. vol. 198; p. 421.
- Johnson, Anders G., Chicago, Ill. Tire-tool. No. 1,122,599; Dec. 29; Gaz. vol. 209; p. 1443.
- Johnson, Andrew. (See Sorensen, Carl, assignor.)
- Johnson, Andrew, Central City, Ky. Poultry-feeder. No. 1,114,482; Oct. 20; Gaz. vol. 207; p. 810.
- Johnson, Andrew J. (See Kilberg and Johnson.)
- Johnson, Andrew J., Lead, S. D. Heater and foot-rest for vehicles. No. 1,088,583; Feb. 24; Gaz. vol. 199; p. 1180.
- Johnson, Arnold O., Elnora, Ind. Train-stopping apparatus. No. 1,092,718; Apr. 7; Gaz. vol. 201; p. 204.
- Johnson, Aron, New York, N. Y. Bottle-capping machine. No. 1,106,222; Aug. 4; Gaz. vol. 205; p. 221.
- Johnson, Aron, New York, N. Y. Bottle-cap-padding machine. No. 1,118,778; Nov. 24; Gaz. vol. 208; p. 1274.
- Johnson, August, Detroit, Mich. Drawing-board stand. No. 1,088,153; Feb. 24; Gaz. vol. 199; p. 1039.
- Johnson, August G. (See Adams and Johnson.)
- Johnson, August O., Chicago, Ill. Window-sash. No. 1,103,774; July 14; Gaz. vol. 204; p. 587.
- Johnson, Austin C., assignor of one-half to A. A. Carpenter and one-half to R. H. Burdick, Chicago, Ill. Alarm device for automatic sprinkler systems. No. 1,088,024; Feb. 24; Gaz. vol. 199; p. 994.
- Johnson Automatic Sealer Company. (See Johnson, Harry L., assignor.)
- Johnson, Axel, Oakland, Cal. Can-opener. No. 1,116,592; Nov. 10; Gaz. vol. 208; p. 430.
- Johnson, Axel, Oakland, assignor to American Can Company, San Francisco, Cal. Can-body-making machine. No. 1,101,446; June 23; Gaz. vol. 203; p. 1191.
- Johnson, Axel W. (See Sigel and Johnson.)
- Johnson, Benjamin. (See Armstrong and Johnson.)
- Johnson, Benjamin F., *et al.* (See Caldwell, Samuel, assignor.)
- Johnson, Bernard L., Goodhue, Minn. Door-latch. No. 1,119,609; Dec. 1; Gaz. vol. 209; p. 245.
- Johnson, Bessie N. (See Ward, Raymond L., assignor.)
- Johnson, Boone V. H., and C. T. Westlake, assignors to Double Body Bolster Company, St. Louis, Mo. Trailer-truck frame for locomotives. No. 1,099,376; June 9; Gaz. vol. 203; p. 390.
- Johnson, Carl A. (See Cleary and Johnson.)
- Johnson, Carl E. (See Weis and Johnson.)
- Johnson, Carl E., St. Paul, Minn. Gas-engine. No. 1,095,875; May 5; Gaz. vol. 202; p. 239.
- Johnson, Carl F., assignor to Johnson Service Company, Milwaukee, Wis. Thermostat. No. 1,099,923; June 16; Gaz. vol. 203; p. 613.
- Johnson, Carl F., assignor to Johnson Service Company, Milwaukee, Wis. Thermostat and like device. No. 1,109,993; Sept. 8; Gaz. vol. 206; p. 443.
- Johnson, Carl F., assignor to Johnson Service Company, Milwaukee, Wis. Thermostatic control device. No. 1,110,137; Sept. 8; Gaz. vol. 206; p. 498.
- Johnson, Carl V., Goldfield, Nev. Bottle. No. 1,088,227; Feb. 24; Gaz. vol. 199; p. 1063.
- Johnson, Carrie, Seattle, Wash. Belt for catamenial sacks. No. 1,104,674; July 21; Gaz. vol. 204; p. 938.
- Johnson, Charles B., Columbus, Ohio. Fence-panel coupling. No. 1,098,503; June 2; Gaz. vol. 203; p. 51.
- Johnson, Charles E. (See Johnson, George C. and C. E.)
- Johnson, Charles E., assignor to The American Hardware Corporation, New Britain, Conn. Portable savings-bank. No. 1,098,731; June 2; Gaz. vol. 203; p. 128.
- Johnson, Charles E., assignor to The American Hardware Corporation, New Britain, Conn. Lock. No. 1,111,387; Sept. 22; Gaz. vol. 206; p. 1015.
- Johnson, Charles G. (See Langhammer and Johnson.)
- Johnson, Charles G., Willow Brook, Saskatchewan, Canada. Hat-pin-point protector. No. 1,098,732; June 2; Gaz. vol. 203; p. 128.

Alphabetical list of patentees—Continued.

- Johnson, Charles J., Chicago, Ill. Heating apparatus. No. 1,093,333; Apr. 14; Gaz. vol. 201; p. 450.
- Johnson, Charles J., assignor to The Johnson Gas Appliance Company, Cedar Rapids, Iowa. Sad-iron. No. 1,088,228; Feb. 24; Gaz. vol. 199; p. 1063.
- Johnson, Charles J., assignor to The Johnson Gas Appliance Co., Cedar Rapids, Iowa. Gas-heater. No. 1,088,229; Feb. 24; Gaz. vol. 199; p. 1064.
- Johnson, Charles J., assignor to The Johnson Gas Appliance Co., Cedar Rapids, Iowa. Tinsmith's furnace. No. 1,088,230; Feb. 24; Gaz. vol. 199; p. 1064.
- Johnson, Charles J., New York, N. Y., assignor to General Electric Company. Cutting-tool. No. 1,111,388; Sept. 22; Gaz. vol. 206; p. 1016.
- Johnson, Charles L., assignor of one-half to J. H. Jackson, Augusta, Ga. Combined dilator and catheter. No. 1,097,978; May 26; Gaz. vol. 202; p. 1091.
- Johnson, Charles S. (See Jacoby and Johnson.)
- Johnson, Chester F., Detroit, Mich. Carbureter. No. 1,093,627; Apr. 21; Gaz. vol. 201; p. 588.
- Johnson, Chester F., Detroit, Mich. Carbureter. No. 1,095,212; May 5; Gaz. vol. 202; p. 14.
- Johnson, Chester F., Detroit, Mich. Grease-cup. No. 1,102,414; July 7; Gaz. vol. 204; p. 68.
- Johnson, Chester F., Detroit, Mich. Fuel-vaporizing device. No. 1,117,392; Nov. 17; Gaz. vol. 208; p. 751.
- Johnson, Chester N., Chicago, Ill. Fuse-block. No. 1,102,756; July 7; Gaz. vol. 204; p. 187.
- Johnson, Chris P., San Francisco, Cal. Shock-absorber. No. 1,093,187; Apr. 14; Gaz. vol. 201; p. 400.
- Johnson, Christian A., and H. Thissenius, Laramie, Wyo. Sander. No. 1,089,224; Mar. 3; Gaz. vol. 200; p. 190.
- Johnson, Christopher. (See Mallott, Johnson, and Moorby.)
- Johnson, Clifford D., Bangor, Wis. Pitman-wheel. No. 1,118,285; Nov. 24; Gaz. vol. 208; p. 1101.
- Johnson, Clinton A., assignor of one-fifth to O. C. Olsen, twelve one-hundredths to R. H. Burdick, three and one-half one-hundredths to B. H. Hill, three and one-half one-hundredths to C. Cole, three and one-half one-hundredths to A. L. Wayne, one and one-half one-hundredths to F. B. McFall, and one-twentieth to L. H. Beall, Chicago, Ill. Prime mover. No. 1,118,017; Nov. 24; Gaz. vol. 208; p. 1009.
- Johnson Combined Pressing & Refinishing Iron Company. (See Johnson, Fritz, assignor.)
- Johnson, Cyrus C., Mount Vernon, Ill. Oil-burner. No. 1,100,889; June 23; Gaz. vol. 203; p. 999.
- Johnson, Daniel W., Saginaw West Side, Mich. Electric railway-switch. No. 1,101,554; June 30; Gaz. vol. 203; p. 1280.
- Johnson, David, Burwell, Nebr., assignor of one-half to J. Meuret, Denver, Colo. Ship-building construction. No. 1,097,326; May 19; Gaz. vol. 202; p. 818.
- Johnson, David B. (See Dungan and Johnson.)
- Johnson, David B. (See Sonntag, Eduard, assignor.)
- Johnson, De Witt C., Brooklyn, assignor to The G. B. Farrington Company, New York, N. Y. Carton or container. No. 1,103,880; July 14; Gaz. vol. 204; p. 624.
- Johnson, Edward. (See Johnson, Otto and E.)
- Johnson, Edward R. (See Braucher and Johnson.)
- Johnson, Edward R., *et al.* (See Bryce, William, assignor.)
- Johnson, Eldridge R., Philadelphia, Pa., assignor to Victor Talking Machine Company. Sound-box. No. 1,118,348; Nov. 24; Gaz. vol. 208; p. 1124.
- Johnson, Elmer C. (See Reynolds, Johnson, and Warren.)
- Johnson, Elmer F., assignor of one-half to G. W. Johnson, Chillicothe, Ohio. Gate-opener. No. 1,094,335; Apr. 21; Gaz. vol. 201; p. 822.
- Johnson, Emery, Newberg, Oreg. Balance-detector. No. 1,087,772; Feb. 17; Gaz. vol. 199; p. 859.
- Johnson, Erik, Chicago, Ill. Push-motor. No. 1,112,214; Sept. 29; Gaz. vol. 206; p. 1339.
- Johnson, Ernest V., Chicago, Ill. Distributing building materials. No. 1,111,071; Sept. 22; Gaz. vol. 206; p. 907.
- Johnson, Ernst W., Brooklyn, N. Y. Automatic carbureter-air-supply regulator. No. 1,117,676; Nov. 17; Gaz. vol. 208; p. 851.
- Johnson, Frank, Glendale, Cal. Tool. No. 1,113,788; Oct. 13; Gaz. vol. 207; p. 523.
- Johnson, Frank, Boston, Mass. Container and distributor for laundry blue. No. 1,116,289; Nov. 3; Gaz. vol. 208; p. 279.
- Johnson, Frank B., Addison, assignor of one-fourth to A. Armstrong, Corning, N. Y. Broom-holder. No. 1,119,354; Dec. 1; Gaz. vol. 209; p. 156.
- Johnson, Frank G., Kankakee, Ill. Strength-testing device. No. 1,115,826; Nov. 3; Gaz. vol. 208; p. 120.
- Johnson, Frank L., McKeesport, Pa. Car-coupling. No. 1,122,939; Dec. 29; Gaz. vol. 209; p. 1563.
- Johnson, Frederick B., assignor of one-half to G. Steinhurst, Kansas City, Mo. Master-vibrator. No. 1,086,718; Feb. 10; Gaz. vol. 199; p. 443.
- Johnson, Frederick W. (See Wright and Johnson.)
- Johnson, Fritz, Halliday, N. D. Steel slat for belts. No. 1,095,876; May 5; Gaz. vol. 202; p. 240.
- Johnson, Fritz, assignor to Johnson Combined Pressing & Refinishing Iron Company, Racine, Wis. Flat-iron. No. 1,092,839; Apr. 14; Gaz. vol. 201; p. 281.
- Johnson, Fritz, assignor of one-half to C. Ortgysen, Englewood, Colo. Sanitary drinking-fountain. No. 1,103,775; July 14; Gaz. vol. 204; p. 588.
- Johnson Gas Appliance Company, The. (See Johnson, Charles J., assignor.)
- Johnson, George A., assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,091,848; Mar. 31; Gaz. vol. 200; p. 1254.
- Johnson, George A., assignor to W. H. Miner, Chicago, Ill. Draft-yoke for railway-car draft-rigging. No. 1,112,703; Oct. 6; Gaz. vol. 207; p. 104.
- Johnson, George A., assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,122,940; Dec. 29; Gaz. vol. 209; p. 1563.
- Johnson, George C. and C. E., assignors to Dust Sprayer Manufacturing Company, Kansas City, Mo. Dust-spraying machine. No. 1,118,286; Nov. 24; Gaz. vol. 208; p. 1101.
- Johnson, George T., Melrose, Mass. Roll-paper. No. 1,093,334; Apr. 14; Gaz. vol. 201; p. 451.
- Johnson, George T., Melrose, Mass. Toilet-paper fixture. No. 1,095,640; May 5; Gaz. vol. 202; p. 160.
- Johnson, George T., Melrose, Mass. Serving apparatus for roll-paper. No. 1,097,327; May 19; Gaz. vol. 202; p. 818.
- Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car-truck side frame. No. 1,084,278; Jan. 13; Gaz. vol. 198; p. 369.
- Johnson, George T., assignor to The Buckeye Steel Castings Co., Columbus, Ohio. Draft-gear for cars. No. 1,094,792; Apr. 28; Gaz. vol. 201; p. 1045.
- Johnson, George T., and H. W. Stertzbach, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Truck-bolster. No. 1,101,028; June 23; Gaz. vol. 203; p. 1049.
- Johnson, George W. (See Johnson, Elmer F., assignor.)
- Johnson, George W., Lufkin, Tex. Relief valve and system for motor or other driven pumps. No. 1,102,273; July 7; Gaz. vol. 204; p. 18.
- Johnson, George W., Pigeon Cove, Mass. Door-holding spring. No. 1,112,620; Oct. 6; Gaz. vol. 207; p. 75.
- Johnson, George W., Pomona, Cal. Fruit-separator. No. 1,118,779; Nov. 24; Gaz. vol. 208; p. 1274.
- Johnson, Gerald M., Washington, D. C. Hinge. No. 1,105,666; Aug. 4; Gaz. vol. 205; p. 28.
- Johnson, Gustaf, Chicago, Ill. Weather-strip. No. 1,096,540; May 12; Gaz. vol. 202; p. 501.
- Johnson, Gustaf, Seattle, Wash. Whiffletree. No. 1,117,495; Nov. 17; Gaz. vol. 208; p. 787.
- Johnson, Gustaf O., assignor of one-third to F. Lundquist and one-third to A. Johnson, Elkhart, Ind. Adjustable stool. No. 1,092,445; Apr. 7; Gaz. vol. 201; p. 112.
- Johnson, Gustave, Cleveland, Ohio. Hanging scaffold. No. 1,090,856; Mar. 24; Gaz. vol. 200; p. 869.
- Johnson, Hans O., assignor of one-half to J. H. Nicholson, Sacramento, Cal. Burglar-proof key. No. 1,084,942; Jan. 20; Gaz. vol. 198; p. 620.
- Johnson, Hans O., and J. H. Nicholson, Sacramento, Cal. Combined mop holder and wringer. No. 1,089,475; Mar. 10; Gaz. vol. 200; p. 322.
- Johnson, Harry D., Jr., South Bend, Ind. Counterbalance for doors of dump-wagons. No. 1,094,793; Apr. 28; Gaz. vol. 201; p. 1045.
- Johnson, Harry L., Battle Creek, Mich. Carton making and sealing machine. No. 1,096,918; May 19; Gaz. vol. 202; p. 673.
- Johnson, Harry L., assignor to Johnson Automatic Scaler Company, Ltd., Battle Creek, Mich. Carton-sealing machine. No. 1,118,424; Nov. 24; Gaz. vol. 208; p. 1152.
- Johnson, Harry T., deceased, New York, N. Y.; N. F. Johnson, administratrix. Can construction. No. 1,105,143; July 28; Gaz. vol. 204; p. 1148.
- Johnson, Harry T., deceased, New York, N. Y.; N. F. Johnson, administratrix. Dry-battery container. No. 1,105,144; July 28; Gaz. vol. 204; p. 1149.
- Johnson, Harvey A., assignor of one-third to H. F. Bonnell and one-third to R. E. Winbourn, Greeley, Colo. Gas-generator and burner for hydrocarbon-oils. No. 1,091,434; Mar. 24; Gaz. vol. 200; p. 1065.
- Johnson, Henry B., Philadelphia, Pa. Auxiliary air-inlet device for internal-combustion engines. No. 1,102,053; June 30; Gaz. vol. 203; p. 1456.
- Johnson, Henry E. (See Crichton, Fred T., assignor.)
- Johnson, Henry E., Omaha, Nebr. Truck. No. 1,091,516; Mar. 31; Gaz. vol. 200; p. 1138.
- Johnson, Henry E., Omaha, Nebr. Platform-frame for hand-trucks. No. 1,099,924; June 16; Gaz. vol. 203; p. 613.
- Johnson, Henry H., Brooklyn, N. Y. Lemon-squeezer. No. 1,098,446; June 2; Gaz. vol. 203; p. 31.
- Johnson, Henry L. E., Washington, D. C. Aeroplane compass and inclinometer. No. 1,097,925; May 26; Gaz. vol. 202; p. 1072.
- Johnson, Henry O., Buda, Ill. Apparatus for washing and separating sand, ore, and the like. No. 1,086,183; Feb. 3; Gaz. vol. 199; p. 214.
- Johnson, Henry O., Buda, Ill. Separator. No. 1,092,719; Apr. 7; Gaz. vol. 201; p. 204.
- Johnson, Henry R., Springfield, Mass. Box. No. 1,120,311; Dec. 8; Gaz. vol. 209; p. 523.

Alphabetical list of patentees—Continued.

- Johnson, Herbert O., and D. Keefe, Duluth, Minn. Curb-box. No. 1,099,804; June 9; Gaz. vol. 203; p. 534.
- Johnson, Horace G., *et al.* (See Cooper, Robert S., assignor.)
- Johnson, J. L. (See McCoy, Elijah, assignor.)
- Johnson, Jacob G., assignor of four-tenths to A. K. Groseclose, Ivanhoe, and three-tenths to M. R. Hillenberg, Crockett, Va. Railway mail catching and delivering means. No. 1,123,127; Dec. 29; Gaz. vol. 209; p. 1630.
- Johnson, Jacob T., Atlanta, Ga. Canopy-frame support. No. 1,101,852; June 30; Gaz. vol. 201; p. 1383.
- Johnson, James A. (See Statler and Johnson.)
- Johnson, James B., assignor of one-half to G. Smith, Springfield, Mass. Wall and lath construction for buildings. No. 1,084,580; Jan. 13; Gaz. vol. 198; p. 468.
- Johnson, James G., Carthage, Ill. Interior collapsible form for concrete burial-vaults. No. 1,113,012; Oct. 6; Gaz. vol. 207; p. 209.
- Johnson, James M., Rice Lake, Wis. Bath-cabinet. No. 1,093,055; Apr. 14; Gaz. vol. 201; p. 353.
- Johnson, James T., Williamson, W. Va. Bicycle-pump. No. 1,091,435; Mar. 24; Gaz. vol. 200; p. 1065.
- Johnson, James W., assignor to Johnson & Johnson, New Brunswick, N. J. Collapsible tube. No. 1,100,433; June 16; Gaz. vol. 203; p. 790.
- Johnson, Jay M. (See De Hart, William A., assignor.)
- Johnson, Jay M., Chicago, Ill. Coin assorter and counter for street-cars and other purposes. No. 1,096,171; May 12; Gaz. vol. 202; p. 375.
- Johnson, Jay M., Chicago, Ill. Coin-counting mechanism. No. 1,096,172; May 12; Gaz. vol. 202; p. 375.
- Johnson, Jay M., Chicago, Ill. Coin-receiver for fare-boxes. No. 1,116,435; Nov. 10; Gaz. vol. 208; p. 370.
- Johnson, Jeremiah E., Buffalo, N. Y. Door attachment. No. 1,120,505; Dec. 8; Gaz. vol. 209; p. 593.
- Johnson, Jesse W. (See Rupp and Johnson.) (Reissue.)
- Johnson, John. (See Johnson, Swen and J.)
- Johnson, John, Hazeldell, Pa. Railway safety device. No. 1,087,773; Feb. 17; Gaz. vol. 199; p. 860.
- Johnson, John, Stiles, Wis. Loading and unloading device. No. 1,103,209; July 14; Gaz. vol. 204; p. 393.
- Johnson, John A. (See Wagg and Johnson.)
- Johnson, John A., Portsmouth, Iowa. Planter attachment. No. 1,083,446; Jan. 6; Gaz. vol. 198; p. 63.
- Johnson, John A., and J. W. Ludlam, Oakland, Cal. Launching device. No. 1,111,836; Sept. 29; Gaz. vol. 206; p. 1209.
- Johnson, John A., and C. M. Hedman, Chicago, Ill., assignors to The Ransom & Randolph Company, Toledo, Ohio. Pneumatic potential-producing means. No. 1,096,305; May 12; Gaz. vol. 202; p. 422.
- Johnson, John D. A., Omaha, Nebr. Washing-machine dolly. No. 1,104,263; July 21; Gaz. vol. 204; p. 795.
- Johnson, John E., Moundsville, W. Va. Ratchet feeding mechanism for bread-cutting machines. No. 1,112,911; Oct. 6; Gaz. vol. 207; p. 174.
- Johnson, John F., Battle Creek, Mich. Roller-rack. No. 1,096,722; May 12; Gaz. vol. 202; p. 561.
- Johnson, John F., Elmhurst, N. Y. Base-board construction for buildings. No. 1,108,446; Aug. 25; Gaz. vol. 205; p. 1139.
- Johnson, John H., Manchester, N. H., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Apparatus for moistening shoes. No. 1,117,852; Nov. 17; Gaz. vol. 208; p. 913.
- Johnson, John L., Rome, and C. L. Saunders, Cartersville, Ga. Automatic fire-extinguisher. No. 1,120,312; Dec. 8; Gaz. vol. 209; p. 524.
- Johnson, John M., Kansas City, Kans. Automatic and electric fire-alarm system. No. 1,102,666; July 7; Gaz. vol. 204; p. 156.
- Johnson, John M., Kansas City, Kans. Thermostatic circuit-closer. No. 1,113,125; Oct. 6; Gaz. vol. 207; p. 245.
- Johnson, John M., Kansas City, Kans. Thermostat. No. 1,113,126; Oct. 6; Gaz. vol. 207; p. 246.
- Johnson, John N., Albuquerque, N. Mex. Self-leveling repeating camera. No. 1,083,743; Jan. 6; Gaz. vol. 198; p. 161.
- Johnson, John N., Albuquerque, N. Mex. Self-leveling repeating camera. No. 1,103,418; July 14; Gaz. vol. 204; p. 461.
- Johnson, John O., Chicago, Ill. Package-box. No. 1,098,322; May 26; Gaz. vol. 202; p. 1209.
- Johnson, John P. (See Rich and Johnson.)
- Johnson, John S., Lansford, assignor of one-fourth to G. W. Wilmot, Hazleton, and one-fourth to S. V. Tench, Lansford, Pa. Tooth for crushing-rolls. No. 1,109,762; Sept. 8; Gaz. vol. 206; p. 361.
- Johnson, John W. (See Cahn and Johnson.)
- Johnson, John W. (See Johnson, William C. and J. W.)
- Johnson & Johnson. (See Johnson, James W., assignor.)
- Johnson, Joseph E., Meriden, Conn. Coffee-pot. No. 1,092,772; Apr. 7; Gaz. vol. 201; p. 222.
- Johnson, Joseph E., Jr., New York, N. Y. Treating cast-iron. No. 1,106,817; Aug. 11; Gaz. vol. 205; p. 474.
- Johnson, Joseph M., Millersburg, Pa., assignor to The Rail Joint Company. Rail-joint. (Reissue.) No. 13,703; Mar. 24; Gaz. vol. 200; p. 1078.
- Johnson, Junius R., C. S. Hamilton, and R. D. Van Duyne, East Highlands, Cal. Label pasting and marking machine. No. 1,108,583; Aug. 25; Gaz. vol. 205; p. 1189.
- Johnson, Katherine, Chicago, Ill. Skirt. No. 1,113,998; Oct. 20; Gaz. vol. 207; p. 635.
- Johnson, Lawrence E., Winthrop, assignor to J. Garst, Worcester, Mass. Awl mechanism for nailing-machines. No. 1,109,844; Sept. 8; Gaz. vol. 206; p. 389.
- Johnson, Lelice E., and H. M. Mathers, Weed; said Johnson assignor of one-half to C. W. Keiver, Oakland, Cal. Primer. No. 1,116,823; Nov. 10; Gaz. vol. 208; p. 513.
- Johnson, Lewis A. W., Los Angeles, Cal. Dry concentrator. No. 1,105,977; Aug. 4; Gaz. vol. 205; p. 137.
- Johnson, Lorenzo, assignor of one-half to O. Hauenstein, Louisville, Ky. Ax-handle lathe. No. 1,091,455; Mar. 24; Gaz. vol. 200; p. 1071.
- Johnson, Louis, Webster township, Rice county, Minn. Speed-regulator. No. 1,109,530; Sept. 1; Gaz. vol. 206; p. 235.
- Johnson, Louis, and G. Hotter, St. Paul, Minn. Bottle-carrying handle. No. 1,116,290; Nov. 3; Gaz. vol. 208; p. 230.
- Johnson, Margaret J., administratrix. (See Johnson, Tom L.)
- Johnson, Mark W., Jr., Birmingham, Ala. Drying air for blast-furnaces. No. 1,093,859; Apr. 21; Gaz. vol. 201; p. 666.
- Johnson, Martina, Forsyth, Mont. Darning device. No. 1,093,628; Apr. 21; Gaz. vol. 201; p. 588.
- Johnson, Mary E., trustee. (See Cobb, Lyman H., assignor.)
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephony. No. 1,105,346; July 28; Gaz. vol. 204; p. 1222.
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephony. No. 1,105,347; July 28; Gaz. vol. 204; p. 1222.
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Signaling system. No. 1,105,350; July 28; Gaz. vol. 204; p. 1224.
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephony. No. 1,105,563; July 28; Gaz. vol. 204; p. 1298.
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephone-exchange system. No. 1,109,165; Sept. 1; Gaz. vol. 206; p. 109.
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephony. No. 1,109,166; Sept. 1; Gaz. vol. 206; p. 110.
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephony. No. 1,109,167; Sept. 1; Gaz. vol. 206; p. 111.
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephone-exchange system. No. 1,116,538; Nov. 10; Gaz. vol. 208; p. 408.
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephone-exchange system. No. 1,116,539; Nov. 10; Gaz. vol. 208; p. 409.
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephone-exchange system. No. 1,116,540; Nov. 10; Gaz. vol. 208; p. 409.
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephone-exchange system. No. 1,116,541; Nov. 10; Gaz. vol. 208; p. 410.
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephony. No. 1,116,542; Nov. 10; Gaz. vol. 208; p. 410.
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephony. No. 1,119,355; Dec. 1; Gaz. vol. 209; p. 157.
- Johnson, Nestor, Chicago, Ill. Hockey-shoe. No. 1,095,213; May 5; Gaz. vol. 202; p. 15.
- Johnson, Nettie F., administratrix. (See Johnson, Harry T.)
- Johnson, Olaf, Stanley, N. D. Draft attachment. No. 1,099,604; June 9; Gaz. vol. 203; p. 467.
- Johnson, Oliver W., Geneva, assignor, by mesne assignments, to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper-feeding machine. No. 1,114,143; Oct. 20; Gaz. vol. 207; p. 686.
- Johnson, Olof, Hudson, Wis. Rail-joint. No. 1,103,881; July 14; Gaz. vol. 204; p. 624.
- Johnson, Oscar, Chicago, Ill. Track-sanding apparatus. No. 1,086,454; Feb. 10; Gaz. vol. 199; p. 351.
- Johnson, Oscar, New York, N. Y., assignor to Auto Pneumatic Action Company. Expression-controlling device for mechanically and manually operated player-pianos. No. 1,107,797; Aug. 18; Gaz. vol. 205; p. 868.
- Johnson, Oscar F., assignor to The Red Wing Manufacturing Company, Red Wing, Minn. Kitchen-cabinet. No. 1,104,301; July 21; Gaz. vol. 204; p. 808.
- Johnson, Oscar J., Cloquet, Minn. Button-fastener. No. 1,092,773; Apr. 7; Gaz. vol. 201; p. 223.
- Johnson, Oscar J., Cloquet, Minn. Wrench. No. 1,109,531; Sept. 1; Gaz. vol. 206; p. 236.

Alphabetical list of patentees—Continued.

- Johnson, Oscar W., assignor to Ward Pump Company, Rockford, Ill. Pump. No. 1,084,885; Jan. 20; Gaz. vol. 198; p. 600.
- Johnson, Oscar W., assignor to Ward Pump Company, Rockford, Ill. Valve structure for pumps. No. 1,109,126; Sept. 1; Gaz. vol. 206; p. 95.
- Johnson, Oscar W., assignor to Ward Pump Company, Rockford, Ill. Pump. No. 1,121,588; Dec. 15; Gaz. vol. 209; p. 1020.
- Johnson, Otto, and N. Rundgren, Oak Park, Ill. Non-refillable bottle. No. 1,087,774; Feb. 17; Gaz. vol. 199; p. 861.
- Johnson, Otto and E. Duluth, Minn. Expandable bolt. No. 1,115,205; Oct. 27; Gaz. vol. 207; p. 1117.
- Johnson, Paul, Winnipeg, Manitoba, Canada. Electric cooker. No. 1,095,214; May 5; Gaz. vol. 202; p. 15.
- Johnson, Paul R., and F. W. Lodding, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Adjusting mechanism for cold-rolling mills. No. 1,108,447; Aug. 25; Gaz. vol. 205; p. 1139.
- Johnson, Peter A., Minneapolis, Minn. Cultivating-machine. No. 1,088,075; Feb. 24; Gaz. vol. 199; p. 1011.
- Johnson, Peter C., Halifax, Nova Scotia, Canada. Automatic signaling device. No. 1,105,793; Aug. 4; Gaz. vol. 205; p. 72.
- Johnson, Peter E., San Francisco, Cal. Game. No. 1,116,593; Nov. 10; Gaz. vol. 208; p. 430.
- Johnson, Pher E., and E. Anderson, New York, N. Y. Extension-ladder. No. 1,116,073; Nov. 3; Gaz. vol. 208; p. 207.
- Johnson, Philip A., Springfield, Oreg. Folding settee. No. 1,110,695; Sept. 15; Gaz. vol. 206; p. 733.
- Johnson, Philippe O. (See Brixen, Andrew C., assignor.)
- Johnson, Presley B., Sacramento, Cal. Seal-lock. No. 1,093,135; Apr. 14; Gaz. vol. 201; p. 382.
- Johnson, Raymond D., Niagara Falls, N. Y. Means for regulating water-pressures in long underground tail-races. No. 1,087,169; Feb. 17; Gaz. vol. 199; p. 648.
- Johnson, Raymond F., Paris, Tex. D-handle machine. No. 1,096,173; May 12; Gaz. vol. 202; p. 376.
- Johnson, Richard, assignor of one-half to A. Sudor, St. Paul, Minn. Trap. No. 1,099,805; June 9; Gaz. vol. 203; p. 535.
- Johnson, Richard H., assignor of two-thirds to S. L. Huddleston, Creston, Wash. Concrete railway-tie. No. 1,105,201; July 28; Gaz. vol. 204; p. 1169.
- Johnson, Robert C. (See Smith, Harvey E., assignor.)
- Johnson, Robert S., Cleveland, Ohio, assignor to S. F. Bowser & Co., Incorporated, Fort Wayne, Ind. System for cleaning and purifying oils and other liquids. No. 1,115,827; Nov. 3; Gaz. vol. 208; p. 121.
- Johnson, Samuel N. (See Heffley, William H., assignor.)
- Johnson Service Company. (See Fortier, Charles L., assignor.)
- Johnson Service Company. (See Johnson, Carl F., assignor.)
- Johnson Specialty Company. (See Johnson, William A., assignor.)
- Johnson Steel Wheels Corporation. (See Johnson, William C. and J. W., assignors.)
- Johnson, Swen, Huron, S. D., and J. Johnson, Missoula, Mont. Lubricator. No. 1,111,156; Sept. 22; Gaz. vol. 206; p. 936.
- Johnson, Swen, Huron, S. D., and J. Johnson, Havre, Mont. Lubricator. No. 1,115,676; Nov. 3; Gaz. vol. 208; p. 72.
- Johnson, Theodore H., Washington, D. C. Antislipping shoe. No. 1,120,059; Dec. 8; Gaz. vol. 209; p. 435.
- Johnson, Theodore L., Emmetsburg, Iowa. Automatic trip and self-locking device. No. 1,083,494; Jan. 6; Gaz. vol. 198; p. 78.
- Johnson, Thomas C., Quincy, Ill. Tobacco-cutter. No. 1,119,610; Dec. 1; Gaz. vol. 209; p. 245.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushroom-bullet. No. 1,083,615; Jan. 6; Gaz. vol. 198; p. 118.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushroom-bullet. No. 1,084,342; Jan. 13; Gaz. vol. 198; p. 390.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushroom-bullet. No. 1,084,343; Jan. 13; Gaz. vol. 198; p. 390.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Impact-illuminating bullet. No. 1,088,025; Feb. 24; Gaz. vol. 199; p. 995.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Impact-illuminating bullet. No. 1,088,026; Feb. 24; Gaz. vol. 199; p. 995.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Impact-illuminating bullet. No. 1,088,027; Feb. 24; Gaz. vol. 199; p. 995.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Gun-barrel. No. 1,102,667; July 7; Gaz. vol. 204; p. 156.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Bayonet-band lock for military rifles. No. 1,121,589; Dec. 15; Gaz. vol. 209; p. 1020.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Shoulder-firearm. No. 1,122,125; Dec. 22; Gaz. vol. 209; p. 1242.
- Johnson, Thomas F. (See Hartley, William, assignor.)
- Johnson, Tom L., deceased, Cleveland, Ohio; M. J. Johnson, administratrix. High-speed railway. No. 1,090,213; Mar. 17; Gaz. vol. 200; p. 618.
- Johnson, Tom L., Panna Maria, assignor of one-third to V. Biela, Cestohowa, Tex. Mud-guard. No. 1,108,759; Aug. 25; Gaz. vol. 205; p. 1247.
- Johnson, Walter N., assignor of one-half to L. C. and H. W. Smith, Williamsport, Pa. System of car-signaling for grade-crossings. No. 1,113,013; Oct. 6; Gaz. vol. 207; p. 209.
- Johnson, Werner. (See Rice and Johnson.)
- Johnson, William, Fremont, Ohio. Post-anchor. No. 1,089,842; Mar. 10; Gaz. vol. 200; p. 448.
- Johnson, William, Astoria, S. D. Pipe and tile handling device. No. 1,100,019; June 16; Gaz. vol. 203; p. 646.
- Johnson, William A., Chicago, Ill., assignor to Johnson Specialty Company. Vehicle-spring. No. 1,095,641; May 5; Gaz. vol. 202; p. 160.
- Johnson, William C., Braintree, and J. W. Johnson, assignors to Johnson Steel Wheels Corporation, Boston, Mass. Making wheels, and resulting wheel. No. 1,108,096; Aug. 18; Gaz. vol. 205; p. 971.
- Johnson, William E., and G. A. Pennock, assignors to Rock Island Plow Company, Rock Island, Ill. Planting-machine. No. 1,093,991; Apr. 21; Gaz. vol. 201; p. 711.
- Johnson, William G., Kingfisher, Okla. Check-row cotton-planter. No. 1,101,801; June 30; Gaz. vol. 203; p. 1365.
- Johnson, William H., Stamps, Ark. Automatic train control. No. 1,093,782; Apr. 21; Gaz. vol. 201; p. 639.
- Johnson, William H., Springfield, Mass. Tennis-racket. No. 1,100,244; June 16; Gaz. vol. 203; p. 724.
- Johnson, William H., assignor to Automatic Machinery Company, Terre Haute, Ind. Governor for bottle or other feeders. No. 1,118,425; Nov. 24; Gaz. vol. 208; p. 1152.
- Johnson, William H., assignor of one-third to A. H. Brigham, Whitman, Mass. Nail-pointing mechanism. No. 1,119,356; Dec. 1; Gaz. vol. 209; p. 157.
- Johnson, William O., Blunt, S. D. Account-book. No. 1,113,159; Oct. 6; Gaz. vol. 207; p. 258.
- Johnson, William R., New Decatur, Ala. Ventilator. No. 1,087,296; Feb. 17; Gaz. vol. 199; p. 693.
- Johnson, William S. S. (See Odell, Risdon M., assignor.)
- Johnson, William W. (See Butler, Joseph F., assignor.)
- Johnson, Willie H., Waco, Tex. Pipe-cutter. No. 1,118,349; Nov. 24; Gaz. vol. 208; p. 1125.
- Johnson, Wilner E., Brooklyn, N. Y. Door-control device for vehicles. No. 1,093,629; Apr. 21; Gaz. vol. 201; p. 589.
- Johnson, Wilner E., Brooklyn, N. Y. Car construction. No. 1,094,444; Apr. 28; Gaz. vol. 201; p. 921.
- Johnson, Wilner E., Brooklyn, N. Y., assignor to Megosin Company, Inc. Hand-brake. No. 1,113,999; Oct. 20; Gaz. vol. 207; p. 636.
- Johnson, Woolsey M., Hartford, Conn. Metallurgical process. No. 1,107,310; Aug. 18; Gaz. vol. 205; p. 693.
- Johnston, Allen, Ottumwa, Iowa. Button-attaching machine. No. 1,110,794; Sept. 15; Gaz. vol. 206; p. 767.
- Johnston, Allen, assignor to Johnston & Sharp Manufacturing Company, Ottumwa, Iowa. Animal-trap. No. 1,083,282; Jan. 6; Gaz. vol. 198; p. 7.
- Johnston, Charles L. (See Loudenslager, William J., assignor.)
- Johnston, Clarence L., Oakland, Cal. Numbering-machine. No. 1,102,588; July 7; Gaz. vol. 204; p. 129.
- Johnston, Clarence L., assignor to H. T. Hall, Oakland, Cal. Starter for internal-combustion engines. No. 1,105,520; July 28; Gaz. vol. 204; p. 1283.
- Johnston, Clarence L., Oakland, assignor to Pacific Burt Co., Ltd., Emeryville, Cal. Automatic tension control for printing-presses, coating-machines, rewinders, &c. No. 1,115,828; Nov. 3; Gaz. vol. 208; p. 122.
- Johnston, Clarence L., and C. L. Bluett, Oakland, assignors to Pacific Burt Co., Ltd., Emeryville, Cal. Quadruplicating-book. No. 1,087,091; Feb. 10; Gaz. vol. 199; p. 568.
- Johnston, David J., Toronto, Ontario, Canada, assignor to The Militaire Auto Company Inc., Cleveland, Ohio. Seat-support for motor-cycles. No. 1,088,028; Feb. 24; Gaz. vol. 199; p. 995.
- Johnston, David J., Toronto, Ontario, Canada, assignor to The Militaire Auto Company, Inc., Cleveland, Ohio. Steering mechanism for motor-cycles. No. 1,089,647; Mar. 10; Gaz. vol. 200; p. 382.
- Johnston, David J., Toronto, Ontario, Canada, assignor to The Militaire Auto Company, Inc., Cleveland, Ohio. Auxiliary-wheel mechanism for motor-cycles. No. 1,091,065; Mar. 24; Gaz. vol. 200; p. 942.
- Johnston, David S., Hiawatha, Utah. Mine-car truck. No. 1,093,783; Apr. 21; Gaz. vol. 201; p. 639.
- Johnston, Donald E., and J. W. Cooper, Los Angeles, Cal. Auxiliary air-inlet device for explosive-engines. No. 1,118,865; Nov. 24; Gaz. vol. 208; p. 1303.
- Johnston, Edward A., and C. I. Longenecker, Chicago, Ill., assignors to International Harvester Company. Truck-frame for traction-engines. No. 1,117,393; Nov. 17; Gaz. vol. 208; p. 751.

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- Johnston, Edward A., and C. W. Mott, Chicago, Ill., assignors to International Harvester Corporation. Power-operated plow. No. 1,121,844; Dec. 22; Gaz. vol. 209; p. 1145.
- Johnston, Edwin S., and W. F. Myers, Mount Vernon, Iowa. Brooder. No. 1,119,480; Dec. 1; Gaz. vol. 209; p. 183.
- Johnston, Floyd, and C. H. Larison, Lanesboro, Iowa. Spring-motor for fans and the like. No. 1,084,548; Jan. 13; Gaz. vol. 198; p. 456.
- Johnston, Frank A., Iola, Kans. Game. No. 1,099,250; June 9; Gaz. vol. 203; p. 345.
- Johnston, George. (See Hardick and Ogden, assignors.)
- Johnston, George M., Vandergrift, Pa. Metallic-sheet-separating machine. No. 1,119,611; Dec. 1; Gaz. vol. 209; p. 246.
- Johnston, Gustave, Jamestown, N. Y. Rail-saw. No. 1,105,794; Aug. 4; Gaz. vol. 205; p. 72.
- Johnston, Harry A., Fresno, Cal. Transmission apparatus for gas-engines. No. 1,099,377; June 9; Gaz. vol. 203; p. 390.
- Johnston, Herbert L., assignor to The Hobart Electric Manufacturing Company, Troy, Ohio. Gearing. No. 1,088,076; Feb. 24; Gaz. vol. 199; p. 1012.
- Johnston, Herbert L., assignor to The Hobart Electric Manufacturing Company, Troy, Ohio. Grinding-disk for coffee-mills and the like. No. 1,089,413; Mar. 10; Gaz. vol. 200; p. 299.
- Johnston, Horace G., Corsicana, Tex. Impeller - pump. No. 1,090,066; Mar. 10; Gaz. vol. 200; p. 525.
- Johnston, James A. (See Matthews and Johnston.)
- Johnston, James W. (See Shoup, Miles P., assignor.)
- Johnston & Jennings Company, The. (See Athy, Clarence F., assignor.)
- Johnston, John A., Montreal, Quebec, Canada. Nut-tapping machine. No. 1,089,925; Mar. 10; Gaz. vol. 200; p. 473.
- Johnston, John A., Montreal, Quebec, Canada. Tap-holding chuck for nut-tapping machines. No. 1,113,444; Oct. 13; Gaz. vol. 207; p. 404.
- Johnston, John A., Worcester, Mass. Road-spraying machine. No. 1,101,936; June 30; Gaz. vol. 203; p. 1413.
- Johnston, John A., Worcester, Mass. Making road-beds and pavements. No. 1,102,927; July 7; Gaz. vol. 204; p. 244.
- Johnston, John A., assignor to The Whitin Machine Works, Whitinsville, Mass. Thread-board. No. 1,097,230; May 19; Gaz. vol. 202; p. 784.
- Johnston, John F., Cuyahoga Falls, assignor to The Electric Rubber Reclaiming Company, Barberton, Ohio. Trimming device. No. 1,121,924; Dec. 22; Gaz. vol. 209; p. 1173.
- Johnston, John W., Trempealeau, Wis. Blow-torch. No. 1,108,436; Aug. 25; Gaz. vol. 205; p. 1136.
- Johnston, Nathan, Sugden, Okla. Fireplace. No. 1,094,659; Apr. 28; Gaz. vol. 201; p. 998.
- Johnston, Norton W., assignor of one-half to D. Tompkins, Astoria, N. Y. Sheet-metal nut. No. 1,121,369; Dec. 15; Gaz. vol. 209; p. 943.
- Johnston, Robert T., assignor to The Goss Printing Press Company, Chicago, Ill. Casting printing-plates. No. 1,092,487; Apr. 7; Gaz. vol. 201; p. 127.
- Johnston, Robert T., assignor to The Goss Printing Press Company, Chicago, Ill. Form-table. No. 1,104,048; July 21; Gaz. vol. 204; p. 722.
- Johnston, Robert T., assignor to The Goss Printing Press Company, Chicago, Ill. Printing-press. No. 1,112,141; Sept. 29; Gaz. vol. 206; p. 1311.
- Johnston, Robert T., Taunton, Mass., assignor, by mesne assignments, to The Autoplate Company of America, Jersey City, N. J. Stereotype-matrix-making press. No. 1,103,210; July 14; Gaz. vol. 204; p. 393.
- Johnston, Robert T., Scotch Plains, N. J., assignor to Wood & Nathan Company, New York, N. Y. Plate-bending machine. No. 1,116,436; Nov. 10; Gaz. vol. 208; p. 371.
- Johnston & Sharp Manufacturing Company. (See Appleby, James P., assignor.)
- Johnston & Sharp Manufacturing Company. (See Johnston, Allen, assignor.)
- Johnston, Thomas, Dickson, Tenn. Load-retaining device for logging-wagons. No. 1,089,767; Mar. 10; Gaz. vol. 200; p. 423.
- Johnston, William. (See Scott and Johnston.)
- Johnston, William A., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Flexible tubing. No. 1,105,795; Aug. 4; Gaz. vol. 205; p. 73.
- Johnston, William C., *et al.* (See Markham, Andrew J., assignor.)
- Johnstone, Samuel, assignor of three-eighths to J. D. Cornell and two-eighths to S. Canman, Sacramento, Cal. Resilient vehicle-wheel. No. 1,098,577; June 2; Gaz. vol. 203; p. 78.
- Joleen, Nels, Chicago, Ill. Controlling apparatus. No. 1,117,394; Nov. 17; Gaz. vol. 208; p. 752.
- Joller, Xavier J., Oconomowoc, Wis. Music-leaf turner. No. 1,095,877; May 5; Gaz. vol. 202; p. 240.
- Jolley, Paul, Conrad, Mont. Automatic drinking-fountain. No. 1,120,940; Dec. 15; Gaz. vol. 209; p. 794.
- Jolliffe, Mark B., assignor of one-third to J. V. Ryder and one-third to J. H. Meeks, New Haven, Conn. Automatic trolley-pole controller. No. 1,089,414; Mar. 10; Gaz. vol. 200; p. 299.
- Jolly, Benjamin R., Raleigh, N. C. Apparatus for determining specific gravity. (Reissue.) No. 13,745; June 9; Gaz. vol. 203; p. 572.
- Jolly, Harvey, Michigan City, Ind. Trolley. No. 1,112,912; Oct. 6; Gaz. vol. 207; p. 174.
- Joly, Henry E., Rathangan, Ireland. Apparatus for removing the honey from beehives. No. 1,092,219; Apr. 7; Gaz. vol. 201; p. 33.
- Joly, Maurice, Bourg La Reine, France. Static frequency-transformer. No. 1,118,935; Dec. 1; Gaz. vol. 209; p. 10.
- Jonas, Alexander, assignor of one-third to J. Slater, Philadelphia, Pa. Railway-switch. No. 1,095,115; Apr. 28; Gaz. vol. 201; p. 1155.
- Jonas, August, Leverkusen, near Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Apparatus for the even distribution of liquids. No. 1,113,643; Oct. 13; Gaz. vol. 207; p. 471.
- Jonas, Frank A. (See Wheatley, Leander D., assignor.)
- Jonas, Frederick W. (See Spofford and Jonas.)
- Jones, Albert F., Salem, Mass. Counter-forming machine. No. 1,097,589; May 19; Gaz. vol. 202; p. 906.
- Jones, Albert F., Salem, Mass. Counter-forming machine. No. 1,118,554; Nov. 24; Gaz. vol. 208; p. 1198.
- Jones, Albert J. (See Jones, William C. and A. J.)
- Jones, Albert L., assignor of one-half to E. S. Swain, Seattle, Wash. Interior hatband. No. 1,092,774; Apr. 7; Gaz. vol. 201; p. 223.
- Jones, Alva D., Philadelphia, Pa. Sound-box for talking-machines. No. 1,118,653; Nov. 24; Gaz. vol. 208; p. 1232.
- Jones, Alva D., Philadelphia, Pa. Telephone-transmitter. No. 1,118,780; Nov. 24; Gaz. vol. 208; p. 1274.
- Jones, Amanda T., New York, N. Y. Liquid-fuel furnace. No. 1,114,769; Oct. 27; Gaz. vol. 207; p. 961.
- Jones, Ambrose W., Owingsville, Ky. Curette. No. 1,092,914; Apr. 14; Gaz. vol. 201; p. 306.
- Jones, Ammon K., Neosho, Mo. Subsoiler attachment to plows. No. 1,116,824; Nov. 10; Gaz. vol. 208; p. 513.
- Jones, Andrew C. (See Walker and Jones.)
- Jones, Andrew F., Sacramento, Cal. Fire-escape. No. 1,094,213; Apr. 21; Gaz. vol. 201; p. 785.
- Jones, Archer G., assignor to The Duplex Envelope & Printing Co., Inc., Richmond, Va. Envelop. No. 1,110,939; Sept. 15; Gaz. vol. 206; p. 819.
- Jones, Archibald, Bartlesville, Okla., assignor to Bartlesville Zinc Company, New York, N. Y. Treatment of zinc residues. No. 1,112,010; Sept. 29; Gaz. vol. 206; p. 1267.
- Jones, Archie L., Portland, Oreg. Soap-box. No. 1,114,483; Oct. 20; Gaz. vol. 207; p. 811.
- Jones, Arthur J., Brookland, D. C., assignor to The Sanitary Wagon Co. Garbage-wagon. No. 1,094,573; Apr. 28; Gaz. vol. 201; p. 966.
- Jones, Arthur J., Brookland, assignor of one-half to F. W. Pratt, Washington, D. C. Garbage and waste receptacle. No. 1,101,286; June 23; Gaz. vol. 203; p. 1136.
- Jones Auto Lock Company. (See Jones, Theodore N., assignor.)
- Jones, Belden D., assignor to Camel Company, Chicago, Ill. Car structure. No. 1,114,000; Oct. 20; Gaz. vol. 207; p. 636.
- Jones, C. A., *et al.* (See Cribb, Oscar N., assignor.)
- Jones, Cable B., Whitewood, S. D. Derrick. No. 1,090,067; Mar. 10; Gaz. vol. 200; p. 526.
- Jones, Charles D., assignor of one-half to D. D. Walton, Lake City, Mich. Vehicle tongue attachment. No. 1,100,572; June 16; Gaz. vol. 203; p. 835.
- Jones, Charles E., assignor of one-half to V. W. Coons, South Auburn, Nebr. Headlight for automobiles. No. 1,110,940; Sept. 15; Gaz. vol. 206; p. 819.
- Jones, Charles E. J. (See Fisher and Jones.)
- Jones, Charles F. (See Dougherty, Jones, and Case.)
- Jones, Charles M. (See Nelson and Jones.)
- Jones, Charles W., South Mills, N. C. Split pulley. No. 1,120,202; Dec. 8; Gaz. vol. 209; p. 486.
- Jones, Charlie F. and E. T., Wayland, Tex. Cotton-chopper. No. 1,111,655; Sept. 22; Gaz. vol. 206; p. 1109.
- Jones, Charlie T., Blytheville, Ark. Flying-machine. No. 1,090,068; Mar. 10; Gaz. vol. 200; p. 526.
- Jones, Daniel P., assignor to The Patent Rapid Scaffold Tie Company Limited, London, England. Scaffold-tie. No. 1,107,798; Aug. 18; Gaz. vol. 205; p. 868.
- Jones, David, Applegate, Cal. Step-ladder. No. 1,083,744; Jan. 6; Gaz. vol. 198; p. 161.
- Jones, David, Castell Grenig, and H. Folland, Brondeg, Glanmman, Wales. Apparatus for galvanizing or otherwise coating metallic sheets with metal. No. 1,083,495; Jan. 6; Gaz. vol. 198; p. 78.
- Jones, David A., Wayne, Nebr. Pneumatic egg-crate. No. 1,097,804; May 26; Gaz. vol. 202; p. 1028.
- Jones, David H. (See Clayton and Jones.)

Alphabetical list of patentees—Continued.

- Jones, David P., assignor to A. Loftson, Brendenbury, Saskatchewan, Canada. Apparatus for supplying toilet-seats with paper. No. 1,100,376; June 16; Gaz. vol. 203; p. 770.
- Jones, David R. (See Hetherington, John, assignor.)
- Jones, David W. (See Miller and Jones.)
- Jones, Edward A., Scranton, and J. E. Jones, Throop, Pa. Automatic stoker. No. 1,107,217; Aug. 11; Gaz. vol. 205; p. 613.
- Jones, Edward C. and L. B., San Francisco, Cal. Apparatus for manufacturing gas. No. 1,089,926; Mar. 10; Gaz. vol. 200; p. 479.
- Jones, Edward F., St. Joseph, Mo. Valve. No. 1,113,644; Oct. 13; Gaz. vol. 207; p. 472.
- Jones, Edward H., Fairbury, Nebr. Concrete door-frame for silos. No. 1,096,373; May 12; Gaz. vol. 202; p. 446.
- Jones, Edward L., and C. H. Roth, assignors to Jones Electric Starter Co., Chicago, Ill. Electric generator and vehicle-starter. No. 1,087,950; Feb. 24; Gaz. vol. 199; p. 967.
- Jones, Edward M., Macon, Ga. Door for crematories. No. 1,102,668; July 7; Gaz. vol. 204; p. 157.
- Jones, Edward M., Macon, Ga. Crematory. No. 1,107,615; Aug. 18; Gaz. vol. 205; p. 803.
- Jones, Edward P., Des Moines, Iowa. Combined tent, hammock, and sleeping-bag. No. 1,116,074; Nov. 3; Gaz. vol. 208; p. 208.
- Jones, Edward S., Mobile, Ala. Cotton-picker. No. 1,091,140; Mar. 24; Gaz. vol. 200; p. 969.
- Jones, Edward S., Mobile, Ala., assignor of one-half to G. Cohn. Horse-detacher and controller. No. 1,104,049; July 21; Gaz. vol. 204; p. 722.
- Jones, Edwin, Greenfield, near Holywell, Wales. Vehicle-wheel. No. 1,094,574; Apr. 28; Gaz. vol. 201; p. 966.
- Jones, Edwin C., assignor of one-half to J. Pearson, Toronto, Ontario, Canada. Gas-heater. No. 1,085,265; Jan. 27; Gaz. vol. 198; p. 767.
- Jones, Edwin P., Port Townsend, Wash. Can-sorting machine. No. 1,115,829; Nov. 3; Gaz. vol. 208; p. 122.
- Jones, Edwin W., Ipswich, England. Apparatus for compressing air and other elastic fluids. No. 1,107,957; Aug. 18; Gaz. vol. 205; p. 920.
- Jones Electric Starter Co. (See Jones and Roth, assignors.)
- Jones, Elias, Indianapolis, Ind. Cushion-heel. No. 1,113,645; Oct. 13; Gaz. vol. 207; p. 472.
- Jones, Elmer M., assignor to Jones Signal System Company, Atlanta, Ga. Movable contact member. No. 1,109,587; Sept. 1; Gaz. vol. 206; p. 255.
- Jones, Elmer M., assignor to Jones Signal System Company, Atlanta, Ga. Electromagnetic device. No. 1,109,678; Sept. 8; Gaz. vol. 206; p. 331.
- Jones, Elmer M., assignor to Jones Signal System Company, Atlanta, Ga. Train-controlling device. No. 1,109,679; Sept. 8; Gaz. vol. 206; p. 332.
- Jones, Elmer M., assignor to Jones Signal System Company, Atlanta, Ga. Automatic train-stop. No. 1,116,437; Nov. 10; Gaz. vol. 208; p. 371.
- Jones, Emerald E., Chicago, Ill., assignor to Surty Guard Company. Guard for woodworking-machines. No. 1,119,612; Dec. 1; Gaz. vol. 209; p. 246.
- Jones, Erastus T. (See Jones, Charlie F. and E. T.)
- Jones, Ernest, Birmingham, England. Bracelet and similar article. No. 1,103,776; July 14; Gaz. vol. 204; p. 588.
- Jones, Ernest A., New York, N. Y. Route-indicator mechanism. No. 1,092,147; Apr. 7; Gaz. vol. 201; p. 8.
- Jones, Ernest H., London, England. Electrical welding. No. 1,101,447; June 23; Gaz. vol. 203; p. 1191.
- Jones, Ernest H., London, England. Electrical welding apparatus. No. 1,101,448; June 23; Gaz. vol. 203; p. 1192.
- Jones, Evelyn M., Reedley, Cal. Cook-stove. No. 1,100,890; June 23; Gaz. vol. 203; p. 999.
- Jones, Floyd D., Kansas City, Mo. Safety-razor. No. 1,109,336; Sept. 1; Gaz. vol. 206; p. 170.
- Jones, Floyd D., assignor to Jones Razor and Manufacturing Company, Kansas City, Mo. Razor-blade stropper. No. 1,083,447; Jan. 6; Gaz. vol. 198; p. 63.
- Jones, Floyd D., Kansas City, Mo., assignor, by mesne assignments, to Commercial Camera Company, Providence, R. I. Photographic apparatus. No. 1,113,646; Oct. 13; Gaz. vol. 207; p. 472.
- Jones, Floyd D., and S. M. Coffman, Kansas City, Mo., assignors of one-third to L. H. Bagby, San Antonio, Tex., and two-thirds to said Jones. Developing and fixing camera. No. 1,112,414; Sept. 29; Gaz. vol. 206; p. 1408.
- Jones, Forrest R., Knoxville, Tenn. Friction-clutch. No. 1,118,132; Nov. 24; Gaz. vol. 208; p. 1049.
- Jones, Forrest R., and A. Buenzi, Knoxville, Tenn. Locking and tilting device. No. 1,084,089; Jan. 13; Gaz. vol. 198; p. 306.
- Jones, Francis M., Emporia, Kans. Adjustable steel window-screen. No. 1,093,272; Apr. 14; Gaz. vol. 201; p. 430.
- Jones, Frank, and W. A. Endter, Rock Island, Ill. Hammer-drill. No. 1,112,621; Oct. 6; Gaz. vol. 207; p. 76.
- Jones, Frank B., Shreveport, La. Switch-point. No. 1,122,004; Dec. 22; Gaz. vol. 209; p. 1202.
- Jones, Frank C., Sumter, S. C. Liquid-applying comb and the like. No. 1,084,743; Jan. 20; Gaz. vol. 198; p. 553.
- Jones, Frank L., et al. (See Thurston, William T., assignor.)
- Jones, Frank S., Bainbridge, Ga. Document-file. No. 1,120,941; Dec. 15; Gaz. vol. 209; p. 795.
- Jones, Frank T., Baltimore, Md. Aeroplane. No. 1,106,099; Aug. 4; Gaz. vol. 205; p. 181.
- Jones, Frank T., assignor to The Jones Safety Train Control System Company, Baltimore, Md. Train-controlling mechanism. No. 1,108,584; Aug. 25; Gaz. vol. 205; p. 1189.
- Jones, Frank T., assignor to The Jones Safety Train Control System Company, Baltimore, Md. Brake-valve-controlling device for vehicles. No. 1,109,337; Sept. 1; Gaz. vol. 206; p. 171.
- Jones, Frank T., assignor to The Jones Safety Train Control System Company, Baltimore, Md. Safety train-control apparatus. No. 1,118,654; Nov. 24; Gaz. vol. 208; p. 1233.
- Jones, George A., University Place, Nebr. Animal-trap. No. 1,118,287; Nov. 24; Gaz. vol. 208; p. 1102.
- Jones, George D., Kokomo, Ind. Outlet-valve for irrigating devices. No. 1,112,622; Oct. 6; Gaz. vol. 207; p. 76.
- Jones, George G., assignor of one-half to R. H. Riffe, Cleveland, Ohio. Trolley-wheel mount. No. 1,114,770; Oct. 27; Gaz. vol. 207; p. 961.
- Jones, George H. (See Brewer and Jones.)
- Jones, George H., Bala, Pa. Locomotive longitudinal shaft. No. 1,088,427; Feb. 24; Gaz. vol. 199; p. 1131.
- Jones, George L., Kennewick, Wash. Keel for cultivators. No. 1,109,532; Sept. 1; Gaz. vol. 206; p. 236.
- Jones, Grandville F., assignor of one-fourth to P. C. Zeigler and one-fourth to J. A. Zeigler, Exeter, Nebr. Spring-wheel. No. 1,118,492; Nov. 24; Gaz. vol. 208; p. 1177.
- Jones, Harry, Suffern, assignor to E. H. Fallows, New York, N. Y. Brake-shoe. No. 1,111,025; Sept. 22; Gaz. vol. 206; p. 891.
- Jones, Harry T. (See Bignell, Edward, assignor.)
- Jones, Harry W., Chicago, Ill., assignor to American Can Company, New York, N. Y. Paper-walled container vessel or package. No. 1,092,148; Apr. 7; Gaz. vol. 201; p. 8.
- Jones, Harvey L., and R. Anderson, Charleston, Ill. Beamless brake. No. 1,098,806; June 2; Gaz. vol. 203; p. 152.
- Jones, Henry D., Ashtabula, Ohio. Paring-knife attachment. No. 1,099,052; June 2; Gaz. vol. 203; p. 234.
- Jones, Henry H., Pottsville, Ark. Switch-shield. No. 1,083,745; Jan. 6; Gaz. vol. 198; p. 162.
- Jones, Hugh H., Racine, Wis., assignor to Racine Tool and Machine Company. Hacksaw-machine. No. 1,088,284; Feb. 24; Gaz. vol. 199; p. 1083.
- Jones, Ira R., Utica, Miss. Incubator. No. 1,084,345; Jan. 13; Gaz. vol. 198; p. 390.
- Jones, Jack H., Mount Enterprise, Tex. Scale. No. 1,113,014; Oct. 6; Gaz. vol. 207; p. 209.
- Jones, James, Jr., New York, N. Y. Burglar-alarm. No. 1,115,830; Nov. 3; Gaz. vol. 208; p. 122.
- Jones, James E., Richmond, Ind. Sash-operating device. No. 1,109,928; Sept. 8; Gaz. vol. 206; p. 421.
- Jones, James M., Hamilton, Ontario, Canada. Window. No. 1,099,053; June 2; Gaz. vol. 203; p. 234.
- Jones, James W., and G. H. Tucker, Winters, Tex. Harrow attachment. No. 1,083,364; Jan. 6; Gaz. vol. 198; p. 35.
- Jones, James W., and T. M. Jerrel, Rockwell, Fla. Rail-joint. No. 1,087,775; Feb. 17; Gaz. vol. 199; p. 861.
- Jones, Jefferson P., Jonesville, Mich. Whittetree. No. 1,087,661; Feb. 17; Gaz. vol. 199; p. 823.
- Jones, Jesse S., and J. H. Daugherty, Matson, Mo. Bundle-tying machine. No. 1,119,285; Dec. 1; Gaz. vol. 209; p. 132.
- Jones, Job E., Carneyville, Wyo. Derrick for mines. No. 1,085,208; Jan. 27; Gaz. vol. 198; p. 746.
- Jones, John, Portland, Oreg. Tray. No. 1,107,799; Aug. 18; Gaz. vol. 205; p. 868.
- Jones, John A., New York, N. Y. Vessel-seal. No. 1,110,138; Sept. 8; Gaz. vol. 206; p. 498.
- Jones, John A., assignor of one-half to L. P. Hazen, Cincinnati, Ohio. Metal window-sash. No. 1,101,745; June 30; Gaz. vol. 203; p. 1344.
- Jones, John D., Walla Walla, Wash. Axle-box and dust-guard. (Reissue.) No. 13,762; June 30; Gaz. vol. 203; p. 1521.
- Jones, John D., Walla Walla, Wash. Valve. No. 1,113,789; Oct. 13; Gaz. vol. 207; p. 524.
- Jones, John E. (See Jones, Edward A. and J. E.)
- Jones, John E., Glenfield, N. Y. Extension car-step. No. 1,103,146; July 14; Gaz. vol. 204; p. 369.
- Jones, John G., Carthage, N. Y. Apparatus for making sulfur-dioxide gas. No. 1,097,177; May 19; Gaz. vol. 202; p. 765.
- Jones, John H., Oakland City, Ind. Safety-tube. No. 1,097,328; May 19; Gaz. vol. 202; p. 819.
- Jones, John J., Avalon, Pa. Display-stand. No. 1,096,374; May 12; Gaz. vol. 202; p. 446.
- Jones, John J. A., Green Island, N. Y. Printing device. No. 1,102,589; July 7; Gaz. vol. 204; p. 130.

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- Jones, John L., Peoria, Ill. Seeder. No. 1,083,746; Jan. 6; Gaz. vol. 198; p. 162.
- Jones, John M. C., Onarga, Ill. Corn-forwarding device for green-corn-cutting machines. No. 1,090,988; Mar. 24; Gaz. vol. 200; p. 915.
- Jones, John M. C., Onarga, Ill. Scraper for green-corn-cutting machines. No. 1,092,995; Apr. 14; Gaz. vol. 201; p. 333.
- Jones, John M. C., Onarga, Ill. Cutter for green-corn-cutting machines. No. 1,118,133; Nov. 24; Gaz. vol. 208; p. 1049.
- Jones, John O., North La Crosse, Wis. Car-coupling-lifting device. No. 1,097,643; May 26; Gaz. vol. 202; p. 970.
- Jones, John P. (See Bistline and Jones.)
- Jones, John T., Longview, Tex. Sash-balance. No. 1,110,139; Sept. 8; Gaz. vol. 206; p. 493.
- Jones, Joseph G., Pontiac, Mich. Motor-cycle drive. No. 1,105,351; July 28; Gaz. vol. 204; p. 1225.
- Jones, Joseph M., trustee. (See Hutchings and Woody, assignors.)
- Jones, Joseph W., New York, N. Y., assignor, by mesne assignments, to Lovell-McConnell Manufacturing Company. Combination-horn. No. 1,121,104; Dec. 15; Gaz. vol. 209; p. 853.
- Jones, Joshua C., Wilkes-Barre, Pa. Car-derailer. No. 1,116,075; Nov. 3; Gaz. vol. 208; p. 208.
- Jones, Joshua J., Pittsburgh, assignor of one-half to G. H. Blaxter, Beaver Falls, Pa. Sign. No. 1,118,866; Nov. 24; Gaz. vol. 208; p. 1303.
- Jones, Kelth R., Pleasantshade, Va. Fish-trap. No. 1,119,357; Dec. 1; Gaz. vol. 209; p. 158.
- Jones, Lacy H., Lewistown, Ill. Derrick. No. 1,105,278; July 28; Gaz. vol. 204; p. 1196.
- Jones, Lawrence R., Wheaton, Ill. Low-water-alarm device for boilers. No. 1,110,442; Sept. 15; Gaz. vol. 206; p. 644.
- Jones, Lee H., Bloomfield, Ind. Machine for making fence-posts. No. 1,108,908; Sept. 1; Gaz. vol. 206; p. 17.
- Jones, Lee I. (See Lane, Enoch J., assignor.)
- Jones, Lemuel R., Los Angeles, Cal. Record-holder. No. 1,119,431; Dec. 1; Gaz. vol. 209; p. 183.
- Jones, Lenora H., Wichita, Kans. Illuminated changeable sign. No. 1,114,267; Oct. 20; Gaz. vol. 207; p. 732.
- Jones, Lenora H. and L. M., Wichita, Kans. Electric sign. No. 1,103,294; July 14; Gaz. vol. 204; p. 420.
- Jones, Leon B. (See Jones, Edward C. and L. B.)
- Jones, Leonard M. (See Jones, Percival H. and L. M.)
- Jones, Leroy M. (See Jones, Lenora H. and L. M.)
- Jones, Lewis N., Elsmere, Del. Making fiber sheets. No. 1,110,140; Sept. 8; Gaz. vol. 206; p. 498.
- Jones, Llewellyn, New Castle, assignor to American Sheet & Tin Plate Company, Pittsburgh, Pa. Feed mechanism for tinning or galvanizing machines. No. 1,117,578; Nov. 17; Gaz. vol. 208; p. 815.
- Jones, Louis F. (See Orr and Jones.)
- Jones, Lucy C. E., Tampa, Fla. Pot polisher and scraper. No. 1,087,776; Feb. 17; Gaz. vol. 199; p. 861.
- Jones, Mary I. (See Jones, Raleigh, assignor.)
- Jones, O. R. (See Hart, Lester C., assignor.)
- Jones, Oscar E. (See Bennett, Edgar C., assignor.)
- Jones, Palmer A., et al. (See Annable, Warren W., assignor.)
- Jones, Pearl N., Pittsburgh, Pa. Passenger-car. No. 1,096,174; May 12; Gaz. vol. 202; p. 376.
- Jones, Pearl N., and J. W. Welsh, Pittsburgh, Pa. Control of electric motors and apparatus therefor. No. 1,109,338; Sept. 1; Gaz. vol. 206; p. 171.
- Jones, Percival H. and L. M., London, England. Loose-leaf binder. No. 1,118,350; Nov. 24; Gaz. vol. 208; p. 1125.
- Jones, Peter, Wigan, England. Steam-boiler and other furnace. No. 1,089,476; Mar. 10; Gaz. vol. 200; p. 322.
- Jones, Philip, Santa Maria, Cal. Pumping oil-wells. No. 1,102,152; June 30; Gaz. vol. 203; p. 1489.
- Jones, Raleigh, Salt Lake City, Utah, assignor to M. I. Jones, Pocatello, Idaho. Ironing-board. No. 1,090,069; Mar. 10; Gaz. vol. 200; p. 526.
- Jones, Raymond H., Marysville, Cal. Seal-lock. No. 1,087,020; Feb. 10; Gaz. vol. 199; p. 545.
- Jones Razor and Manufacturing Company. (See Jones, Floyd D., assignor.)
- Jones, Richard E., Hagerstown, Md. Ice-chute. No. 1,118,351; Nov. 24; Gaz. vol. 208; p. 1125.
- Jones, Robert, Fort Rouge, Winnipeg, Canada. Pencil-holder. No. 1,083,835; Jan. 6; Gaz. vol. 198; p. 188.
- Jones, Robert G., et al. (See Messick, John C., assignor.)
- Jones Safety Train Control System Company, The. (See Jones, Frank T., assignor.)
- Jones, Samuel A., Washington, D. C. Nursing-bottle designed for use with rubber nipples. No. 1,118,134; Nov. 24; Gaz. vol. 208; p. 1050.
- Jones, Samuel S., Norristown, Pa. Garment-suspenders. No. 1,100,308; June 16; Gaz. vol. 203; p. 747.
- Jones Signal System Company. (See Jones, Elmer M., assignor.)
- Jones, Simon, New York, N. Y. Collapsible crib. No. 1,113,647; Oct. 13; Gaz. vol. 207; p. 473.
- Jones, Stephen F., near Greenwood, Miss. Machine for removing boll-weevils. No. 1,086,057; Feb. 3; Gaz. vol. 199; p. 171.
- Jones, Theodore N., Boulder, Colo., assignor, by mesne assignments, to Jones Auto Lock Company, Tacoma, Wash. Means for controlling the passage of explosive mixture to the engine-cylinders. No. 1,087,495; Feb. 17; Gaz. vol. 199; p. 763.
- Jones, Thomas E. (See Wheeler, Joseph L., assignor.)
- Jones, Thomas E., Hammond, Ind. Soap-dispensing apparatus. No. 1,095,215; May 5; Gaz. vol. 202; p. 15.
- Jones, Thomas H., Nottingham, England. Braiding-machine. No. 1,084,442; Jan. 13; Gaz. vol. 198; p. 421.
- Jones, Thomas P., Watkins, Minn. Jack. No. 1,113,015; Oct. 6; Gaz. vol. 207; p. 209.
- Jones, Victor F., Chicago, Ill. Necktie-holder. No. 1,109,680; Sept. 8; Gaz. vol. 206; p. 332.
- Jones, Walter A. (See Raspillaire, August, assignor.)
- Jones, Walter A., Columbus, Ohio. Glass-drawing apparatus. No. 1,083,616; Jan. 6; Gaz. vol. 198; p. 119.
- Jones, William, et al. (See Gay, Edward O., assignor.)
- Jones, William A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Hopper for gas-producers. No. 1,090,857; Mar. 24; Gaz. vol. 200; p. 869.
- Jones, William A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Chain-grate stoker. No. 1,117,395; Nov. 17; Gaz. vol. 208; p. 752.
- Jones, William C. and A. J., Magee, Miss. Wire-stretcher. No. 1,115,436; Oct. 27; Gaz. vol. 207; p. 1194.
- Jones, William D., Patillas, Porto Rico. Cable-guide for sheaves and pulleys. No. 1,087,951; Feb. 24; Gaz. vol. 199; p. 967.
- Jones, William D., Patillas, Porto Rico. Cushioning device for air-cylinders of dumping-cars and brakes. No. 1,112,803; Oct. 6; Gaz. vol. 207; p. 137.
- Jones, William F., et al. (See Messick, John C., assignor.)
- Jones, William H. (See Mitchell and Jones.)
- Jones, William P. (See Westenhiser and Jones.)
- Jones, William R., Summitville, Ind. Balancing and steering device. No. 1,102,515; July 7; Gaz. vol. 204; p. 102.
- Jones, William R., Marion, Mich. Frame for agricultural machines. No. 1,116,709; Nov. 10; Gaz. vol. 208; p. 472.
- Jones, William W., Toledo, Ohio. Ditcher. No. 1,088,584; Feb. 24; Gaz. vol. 199; p. 1180.
- Jones, William W., Albany, N. Y. Fuse-retainer. No. 1,097,442; May 19; Gaz. vol. 202; p. 857.
- Jones, William W., Ensley, Ala. Automatic train-stop. No. 1,116,291; Nov. 3; Gaz. vol. 208; p. 280.
- Jons, W. F. (See Muncy, David J., assignor.)
- Jonsson, Carl O., Hvetlanda, Sweden. Angle-shaft coupling. No. 1,119,514; Dec. 1; Gaz. vol. 209; p. 212.
- Jontz, George L., Jenera, Ohio. Fly-trap. No. 1,094,336; Apr. 21; Gaz. vol. 201; p. 822.
- Joos, Hermann, Berlin, Germany, assignor to General Electric Company. Tapped turbine. No. 1,093,934; Apr. 21; Gaz. vol. 201; p. 691.
- Jordan, Benjamin A., and E. J. te Grotenhuis, Crawford, Colo. Ditching-plow. No. 1,112,215; Sept. 29; Gaz. vol. 206; p. 1339.
- Jordan, Charles D. (See Benton and Jordan.)
- Jordan, Charles F. (See Housman and Jordan.)
- Jordan, Christopher C., et al. (See Jordan, George A., assignor.)
- Jordan, Christopher L., San Francisco, Cal. Vehicle-spring. No. 1,084,090; Jan. 13; Gaz. vol. 198; p. 306.
- Jordan, Fred A., assignor to Moose Mountain Limited, Sellwood, Ontario, Canada. Making briquets. No. 1,117,853; Nov. 17; Gaz. vol. 208; p. 913.
- Jordan, George A., New York, assignor of one-third to W. H. Jordan and one-third to C. C. Jordan, Brooklyn, N. Y. Metal molding. No. 1,113,559; Oct. 13; Gaz. vol. 207; p. 444.
- Jordan, George A., New York, assignor of one-third to W. H. Jordan and one-third to C. C. Jordan, Brooklyn, N. Y. Metal molding. No. 1,113,560; Oct. 13; Gaz. vol. 207; p. 445.
- Jordan, George C., et al. (See Jordan, George D., assignor.)
- Jordan, George D., Basic City, Va., assignor, by mesne assignments, of seven-fortieths to A. Ayres, seven twenty-fourths to G. C. Jordan, Washington, D. C., and thirty one-hundredths to B. E. Watson, Waynesboro, Va. Carburetor. No. 1,095,402; May 5; Gaz. vol. 202; p. 78.
- Jordan, Heinrich, and W. Neelmeier, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Azo dyestuff. No. 1,097,231; May 19; Gaz. vol. 202; p. 784.
- Jordan, Heinrich, and W. Neelmeier, Leverkusen, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Red azo dye. No. 1,098,388; June 2; Gaz. vol. 203; p. 11.
- Jordan, Heinrich, and W. Neelmeier, Leverkusen, near Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Monoazo dyestuff. No. 1,114,771; Oct. 27; Gaz. vol. 207; p. 962.

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- Jordan, Howell, Los Angeles, Cal. Shield for car-handles. No. 1,111,591; Sept. 22; Gaz. vol. 206; p. 1086.
- Jordan, James H., Madison, Wis. Music-leaf turner. No. 1,090,720; Mar. 17; Gaz. vol. 200; p. 791.
- Jordan, James H., St. Louis, Mo. Plating apparatus. No. 1,095,328; May 5; Gaz. vol. 202; p. 53.
- Jordan, Jason W., Jr., Lexington, Miss. Drawer-lock. No. 1,092,651; Apr. 7; Gaz. vol. 201; p. 183.
- Jordan, Lawrence F., Chattaroy, Wash. Sled-knee. No. 1,114,484; Oct. 20; Gaz. vol. 207; p. 811.
- Jordan, Linwood F. (See Lamare, Vincent A., assignor.)
- Jordan Machine Company. (See Warner, Lea F., assignor.)
- Jordan, Ralph B., Claffin, Kans. Horse-collar attachment. No. 1,085,687; Feb. 3; Gaz. vol. 199; p. 38.
- Jordan, Samuel E., assignor to Sam'l E. Jordan Brush Company, Malden, Mass. Brush-tuft-coating machine. No. 1,089,477; Mar. 10; Gaz. vol. 200; p. 322.
- Jordan, Thomas N., Long Beach, Miss. Spring-wheel. No. 1,103,295; July 14; Gaz. vol. 204; p. 420.
- Jordan, William H., *et al.* (See Jordan, George A., assignor.)
- Jorgensen, A. (See Kessel, Vilhelm P., assignor.)
- Jorgensen, Christian, Lake Forest, Ill. Wrench. No. 1,086,058; Feb. 3; Gaz. vol. 199; p. 172.
- Jorgensen, Lars R., South Berkeley, Cal. Dam construction. No. 1,087,662; Feb. 17; Gaz. vol. 199; p. 824.
- Jorgensen, Olav E., Copenhagen, Denmark. Compressed-air starting device for motors. No. 1,095,403; May 5; Gaz. vol. 202; p. 78.
- Jorgensen, Theodore O., East Chicago, Ind. Pocket-book protector. No. 1,107,958; Aug. 18; Gaz. vol. 205; p. 921.
- Jorgenson, John, San Francisco, Cal. Catamenial device. No. 1,113,561; Oct. 13; Gaz. vol. 207; p. 445.
- Joriot, Camille, Villers-de-Lac, France. Screw-micrometer. No. 1,108,993; Sept. 1; Gaz. vol. 206; p. 48.
- Jory, Thomas, and G. A. Grimm, Chicago, Ill. Demountable shipping-box for automobiles. No. 1,086,670; Feb. 10; Gaz. vol. 199; p. 426.
- Joseph, Carl, Bayonne, N. J. Fastener. No. 1,105,796; Aug. 4; Gaz. vol. 205; p. 73.
- Joseph, Carl, Bayonne, N. J. Manufacture of bolt-anchors. No. 1,111,749; Sept. 29; Gaz. vol. 206; p. 1176.
- Joseph, Daniel, New York, N. Y. Hat-frame machine. No. 1,107,167; Aug. 11; Gaz. vol. 205; p. 596.
- Joseph, Daniel, New York, N. Y. Check-holder for automobile-drivers. No. 1,113,016; Oct. 6; Gaz. vol. 207; p. 210.
- Joseph Fahys & Company. (See Butts, Charles W., assignor.)
- Joseph, Finly F., Chicago, Ill. Coal-handling apparatus. No. 1,086,536; Feb. 10; Gaz. vol. 199; p. 379.
- Joseph, Irwin S., Rahway, N. J. Dehydrating apparatus. No. 1,112,454; Oct. 6; Gaz. vol. 207; p. 13.
- Joseph, John F., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company. Hose construction. No. 1,100,829; June 23; Gaz. vol. 203; p. 978.
- Joseph N. Smith & Company. (See Shand, James, assignor.)
- Joseph N. Smith & Company *et al.* (See Stoakes, James D., assignor.)
- Joseph Reid Gas Engine Company. (See Platt, Wilber O., assignor.)
- Joseph, Saffold, Montgomery, Ala. Knotless hitching-rein. No. 1,083,836; Jan. 6; Gaz. vol. 198; p. 189.
- Joseph, William H., Tuscola, assignor to Sears, Roebuck and Company, Chicago, Ill. Four-horse balance-hitch. No. 1,087,663; Feb. 17; Gaz. vol. 199; p. 824.
- Joslin, Frank M., assignor to Inman Manufacturing Company, Incorporated, Amsterdam, N. Y. Machine for scoring and dieing box-blanks. No. 1,118,867; Nov. 24; Gaz. vol. 208; p. 1303.
- Joslin, William H., Providence, R. I. Box. No. 1,083,403; Jan. 6; Gaz. vol. 198; p. 49.
- Joslyn, Ahira O., Orleans, Vt. Device for holding streamers. No. 1,096,375; May 12; Gaz. vol. 202; p. 446.
- Josse, Emil, and W. Gensecke, Charlottenburg, assignors to Gesellschaft fuer Kaelteindustrie mit beschränkter Haftung, Berlin, Germany. Injector. No. 1,119,515; Dec. 1; Gaz. vol. 209; p. 213.
- Josselyn, Chester E. (See Curtis and Josselyn.)
- Josselyn, Chester E., Bridgeport, Conn. Pipe-threading tool. No. 1,115,831; Nov. 3; Gaz. vol. 208; p. 123.
- Josselyn, Elwyn R., San Martin, Cal. Wheel. No. 1,086,370; Feb. 10; Gaz. vol. 199; p. 322.
- Jost, Fritz. (See Keetman and Jost.)
- Joswich, Felix, St. Paul, Minn. Fire-extinguisher. No. 1,084,639; Jan. 20; Gaz. vol. 198; p. 516.
- Jouanneau, Henry, Paris, France. Ingot-mold. No. 1,113,017; Oct. 6; Gaz. vol. 207; p. 210.
- Joutras, Franklin C., Union Hill, N. J. Speculum. No. 1,094,575; Apr. 28; Gaz. vol. 201; p. 967.
- Joutras, Franklin C., Union Hill, N. J. Medical exploration-illuminator. No. 1,122,399; Dec. 29; Gaz. vol. 209; p. 1374.
- Joy, Charles F., North Attleboro, Mass. Harness-saddle. No. 1,093,188; Apr. 14; Gaz. vol. 201; p. 400.
- Joy, Harry O., and A. R. Montferrand, Boston, Mass. Combination washing appliance and bath-seat. No. 1,103,516; July 14; Gaz. vol. 204; p. 494.
- Joy, Samuel O., Tiverton, R. I. Harrow. No. 1,118,288; Nov. 24; Gaz. vol. 208; p. 1102.
- Joy, Samuel J. (See Campbell, George B., assignor.)
- Joyce, Arthur R., New Fairfield, Conn. Humidifying apparatus. No. 1,111,837; Sept. 29; Gaz. vol. 206; p. 1210.
- Joyce, Dorothy C., Philadelphia, Pa., assignor of one-half to F. D. Thomason, Chicago, Ill. Apparatus for removing snow and ice from rails. No. 1,101,503; June 23; Gaz. vol. 203; p. 1213.
- Joyce, Edward F., and W. B. Kain, Wheeling, W. Va. Pole latch and cavel. No. 1,106,309; Aug. 4; Gaz. vol. 205; p. 249.
- Joyce, Gerald S., Gloucester, Mass. Electric-lamp socket. No. 1,102,757; July 7; Gaz. vol. 204; p. 187.
- Joyce, Hanson B., Seattle, Wash. Boat. No. 1,120,620; Dec. 8; Gaz. vol. 209; p. 635.
- Joyce, Robert, Philadelphia, Pa. Gas-heated iron. No. 1,107,526; Aug. 18; Gaz. vol. 205; p. 770.
- Joyner, George J., New York, N. Y. Mail-casing and despatching device. No. 1,097,329; May 19; Gaz. vol. 202; p. 819.
- Joynes, Albert W., Norfolk, Va. Lock-controlled valve. No. 1,107,800; Aug. 18; Gaz. vol. 205; p. 868.
- Jozsibán, Florian, Maurer, N. J. Soil-pulverizer. No. 1,111,539; Sept. 22; Gaz. vol. 206; p. 1068.
- Juan, Walter H., Greenwich, Conn. Lamp for motor-vehicles. No. 1,116,292; Nov. 3; Gaz. vol. 208; p. 280.
- Juan, Walter H., Greenwich, Conn. License-plate holder. No. 1,122,279; Dec. 29; Gaz. vol. 209; p. 1335.
- Jubak, Michael, and J. Smela, Lansford, Pa. Steering-gear. No. 1,119,703; Dec. 1; Gaz. vol. 209; p. 276.
- Jucker, Albert, and T. Hempel, Kreuzlingen, Switzerland. Tensioning-frame for fabric to be embroidered and the like. No. 1,093,136; Apr. 14; Gaz. vol. 201; p. 383.
- Judd, Charles W., Lowell, Mass. Steam-trap. No. 1,085,983; Feb. 3; Gaz. vol. 199; p. 144.
- Judd, Henry S., Wilmette, Ill., assignor to Judd Laundry Machine Company, Wilmington, Del. Wringer. No. 1,112,984; Oct. 6; Gaz. vol. 207; p. 200.
- Judd Laundry Machine Company. (See Cox, Howard M., assignor.)
- Judd Laundry Machine Company. (See Judd, Henry S., assignor.)
- Judd Laundry Machine Company. (See Pletsch, Henry, assignor.)
- Judd, Wallace S. (See Avery and Judd.)
- Judelson, Louis, New York, N. Y. Washing-machine. No. 1,090,214; Mar. 17; Gaz. vol. 200; p. 618.
- Judge, Arthur J., St. Louis, Mo. Self-leveling step-ladder. No. 1,117,496; Nov. 17; Gaz. vol. 208; p. 787.
- Judge, Franklin. (See Sullivan and Judge.)
- Judge, Franklin. (See Wells and Judge.)
- Judge, Franklin, Greenfield, Mass. Self opening or releasing thread-cutting die. No. 1,105,565; July 28; Gaz. vol. 204; p. 1299.
- Judge, Louis L., Govans, Md. Bedstead. No. 1,095,878; May 5; Gaz. vol. 202; p. 240.
- Judia, George H., Cisco, Tex. Refrigerator-car door. No. 1,109,071; Sept. 1; Gaz. vol. 206; p. 76.
- Judkins, Charles E., Reading, Mass. Box. No. 1,120,203; Dec. 8; Gaz. vol. 209; p. 486.
- Judkins, Charles E., Reading, Mass. Display-box. No. 1,120,204; Dec. 8; Gaz. vol. 209; p. 486.
- Judson, Champion H., Dobbs Ferry, N. Y. Internal-combustion engine. No. 1,109,681; Sept. 8; Gaz. vol. 206; p. 332.
- Judson Governor Company. (See Osborne, John L., assignor.)
- Judson, Hanford C., New York, N. Y. Milking-machine. No. 1,094,720; Apr. 28; Gaz. vol. 201; p. 1021.
- Juengst, Charles A., Croton Falls, N. Y. Signature-gathering machine. No. 1,109,127; Sept. 1; Gaz. vol. 206; p. 95.
- Juergens, August H. E. (See Hottmann, Charles W., assignor.)
- Juergens, Henry F., New York, N. Y. Ear-pendant. No. 1,106,388; Aug. 11; Gaz. vol. 205; p. 320.
- Juhász, Josef, Unity Station, Pa. Life-saving suit. No. 1,085,130; Jan. 27; Gaz. vol. 198; p. 719.
- Juhn, Sidney, assignor to Varsity Underwear Company, Baltimore, Md. Union suit. No. 1,090,155; Mar. 17; Gaz. vol. 200; p. 597.
- Juilfs, Herman, White Oak, Ohio. Liquid-supplying means for a rotatable body. No. 1,117,133; Nov. 10; Gaz. vol. 208; p. 619.
- Juley, Joseph P., Jersey City, N. J., assignor to Western Electric Company, New York, N. Y. Current-discharge-distributing system. No. 1,097,232; May 19; Gaz. vol. 202; p. 785.
- Julian, Charles H., assignor to W. N. Durant Co., Milwaukee, Wis. Ratchet mechanism. No. 1,121,634; Dec. 22; Gaz. vol. 209; p. 1071.
- Julian, David, assignor to The E. J. Manville Machine Company, Waterbury, Conn. Stock holding and delivering mechanism for bolt-pointing machines. No. 1,108,448; Aug. 25; Gaz. vol. 205; p. 1140.

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- Julian, Gideon, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-rounding machine. No. 1,092,996; Apr. 14; Gaz. vol. 201; p. 334.
- Julian, Gideon, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-rounding machine. No. 1,101,186; June 23; Gaz. vol. 203; p. 1102.
- Julien, Bartholomew, Omaha, Nebr., assignor to Transportation Utilities Company. Journal-box cooler. No. 1,102,516; July 7; Gaz. vol. 204; p. 102.
- Julihn, Louis G., and J. F. Culverwell, Washington, D. C., assignors to Elliott-Fisher Company, Harrisburg, Pa. Copy-holder. No. 1,085,131; Jan. 27; Gaz. vol. 198; p. 720.
- Julius Kayser & Co. (See Decker, Ellen W., assignor.)
- Julius Kayser & Co. (See Mayer, Laurance, assignor.)
- Julius Pintsch Aktiengesellschaft. (See Friedrich, Paul, assignor.)
- Julius Pintsch Aktiengesellschaft. (See Rosenthal, Hans, assignor.)
- Jung, Alfred J., Kensington West, London, England. Ticket printing and issuing machine. No. 1,090,543; Mar. 17; Gaz. vol. 200; p. 733.
- Jung, Karl, assignor to General Composing Company, Gesellschaft mit beschränkter Haftung, Berlin, Germany. Shaping-machine. No. 1,114,363; Oct. 20; Gaz. vol. 207; p. 765.
- Jungbauer, Max. (See Vöster and Jungbauer.)
- Jungbecker, Wilhelm. (See Schmitz, Paul, assignor.)
- Jungels, Ludwig, Lennep, Germany. Drying-canal. No. 1,084,803; Jan. 20; Gaz. vol. 198; p. 573.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Steam-regulator for tapped turbines. No. 1,085,132; Jan. 27; Gaz. vol. 198; p. 720.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Mixed-pressure turbine. No. 1,085,133; Jan. 27; Gaz. vol. 198; p. 720.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Twin-governor mechanism for mixed-pressure turbines. No. 1,089,709; Mar. 10; Gaz. vol. 200; p. 402.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Low-pressure steam-turbine. No. 1,089,710; Mar. 10; Gaz. vol. 200; p. 403.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Mixed-pressure turbine. No. 1,091,345; Mar. 24; Gaz. vol. 200; p. 1035.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Mixed-pressure turbine. (Reissue.) No. 1,3772; July 14; Gaz. vol. 204; p. 641.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Twin throttle-valve for engines. No. 1,110,206; Sept. 8; Gaz. vol. 206; p. 520.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Governing mechanism for mixed-pressure turbines. No. 1,110,491; Sept. 15; Gaz. vol. 206; p. 661.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Nozzles in elastic-fluid turbines. No. 1,118,352; Nov. 24; Gaz. vol. 208; p. 1126.
- Junghans, Arthur, Schramberg, Germany. Subjecting lacquered leather and the like to the light treatment. No. 1,099,378; June 9; Gaz. vol. 203; p. 390.
- Junghans, Arthur, Schramberg, Germany. Safety device in connection with mechanical time-fuses for artillery-projectiles. No. 1,115,677; Nov. 3; Gaz. vol. 208; p. 72.
- Junghans, Erhard. (See Holzwarth, Hans, assignor.)
- Jungk, Emil H. (See Sawyer and Jungk.)
- Jungling, Michael. (See Moss and Jungling.)
- Jungling, Michael, Bogalusa, La. Feed-water heater for locomotives. No. 1,122,005; Dec. 22; Gaz. vol. 209; p. 1202.
- Junkers, Hugo, Aix-la-Chapelle, Germany. Liquid-heating apparatus. No. 1,085,341; Jan. 27; Gaz. vol. 198; p. 793.
- Junkers, Hugo, Aix-la-Chapelle, Germany. Turbo-compressor. No. 1,088,585; Feb. 24; Gaz. vol. 199; p. 1181.
- Junkers, Hugo, Aix-la-Chapelle, Germany. Piston of engines, compressors, motors, and other machines having reciprocating pistons. No. 1,102,590; July 7; Gaz. vol. 204; p. 130.
- Junkers, Hugo, Aix-la-Chapelle, Germany. Method and device for measuring the heating value of fuels. No. 1,103,915; July 14; Gaz. vol. 204; p. 635.
- Junkers, Hugo, Aix-la-Chapelle, Germany. Two-cycle internal-combustion engine employing liquid fuel. No. 1,117,497; Nov. 17; Gaz. vol. 208; p. 788.
- Junkers, Hugo, Aix-la-Chapelle, Germany. Operating two-cycle internal-combustion engines employing liquid fuel. No. 1,117,498; Nov. 17; Gaz. vol. 208; p. 788.
- Junkers, Hugo, Aachen, Germany. Flying-machine. No. 1,114,364; Oct. 20; Gaz. vol. 207; p. 765.
- Junkin, John R., Fairbanks, Alaska. Steering device for automobiles. No. 1,109,422; Sept. 1; Gaz. vol. 206; p. 201.
- Junquera, Buenaventura, Oviedo, Spain. Treatment of minerals and extracting metal. No. 1,102,339; July 7; Gaz. vol. 204; p. 41.
- Juntunen, Ainer W., Rolla, N. D. Priming apparatus for internal-combustion engines. No. 1,108,760; Aug. 25; Gaz. vol. 205; p. 1248.
- Jürgens, August, assignor to G. Lekkerkerker, Utrecht, and P. J. Beckx, Tegelen, Netherlands. Means for fastening the dangling end of a broken overhead electric conductor. No. 1,122,126; Dec. 22; Gaz. vol. 209; p. 1242.
- Jürgens, Johann, Brooklyn, N. Y., assignor of one-half to W. von Bibra, Jersey City, N. J. Closure for shoes. No. 1,107,616; Aug. 18; Gaz. vol. 205; p. 804.
- Jürgens, Wilhelm O., Leutzsch-Leipzig, Germany. Perambulator. No. 1,102,153; June 30; Gaz. vol. 203; p. 1490.
- Jurkowski, Edward, New York, N. Y. Combined ironing-board and ladder. No. 1,107,527; Aug. 18; Gaz. vol. 205; p. 771.
- Jurkowski, Edward, New York, N. Y. Chair-operated airblast. No. 1,118,353; Nov. 24; Gaz. vol. 208; p. 1126.
- Jurkowski, Josef, Laporte, Ind. Hat-pin guard. No. 1,122,505; Dec. 29; Gaz. vol. 209; p. 1410.
- Jurschewitz, Paul A. W., assignor of one-third to K. F. Karpowitsch and one-third to N. N. Popoff, St. Petersburg, Russia. Kinematographic picture-screen. No. 1,118,289; Nov. 24; Gaz. vol. 208; p. 1103.
- Justice, Carl, Henlawson, W. Va. Dough-board. No. 1,093,431; Apr. 14; Gaz. vol. 201; p. 482.
- Justice, Charles L., *et al.* (See Bolen, Charley C., assignor.)
- Justice, Ithamar M., Dayton, Ohio. Heating system for driers. No. 1,105,566; July 28; Gaz. vol. 204; p. 1299.
- Justrite Manufacturing Company. (See Hansen, Augie L., assignor.)
- Juszcak, John, Buffalo, N. Y. Life-boat outrigger. No. 1,099,251; June 9; Gaz. vol. 203; p. 345.
- Juzek, Thomas J., Elgin, Ill. Lock-nut and bolt. No. 1,119,613; Dec. 1; Gaz. vol. 209; p. 246.
- K. Kaufmann & Co. (See Kaufmann, Ary, assignor.)
- K Nut Co. (See Maher, Eugene E., assignor.)
- K-D Motor Company. (See Knight, Margaret E., assignor.)
- K. W. Ignition Company, The. (See Williams, Joseph A., assignor.)
- Kaar, Grover C. (See Anderson and Kaar.)
- Kaasa, Ole K., Greenbush, Minn. Motor-vehicle. No. 1,103,419; July 14; Gaz. vol. 204; p. 462.
- Kabo Corset Co. (See Keeler, Herman A., assignor.)
- Kabo Corset Company. (See De Long, Nelson, assignor.)
- Käcer, Filip, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing anthraquinone-thiazoles. No. 1,095,731; May 5; Gaz. vol. 202; p. 191.
- Kachel, Charles M., St. Louis, Mo., assignor to Clothmer Manufacturing Company. Cloth-measuring machine. No. 1,097,098; May 19; Gaz. vol. 202; p. 737.
- Kachelmeier, Charles, Sheboygan, Wis. Restraining device. No. 1,093,992; Apr. 21; Gaz. vol. 201; p. 711.
- Kacsmarik, Paul, Bunola, Pa. Combined tie and rail-clamp. No. 1,094,150; Apr. 21; Gaz. vol. 201; p. 764.
- Kaddatz, Emil, Ortonville, Minn. Spreading-rail indicator. No. 1,106,876; Aug. 11; Gaz. vol. 205; p. 493.
- Kade, Bertha, Chicago, Ill., assignor to Francis Keil & Son. Plate-glass structure. No. 1,096,723; May 12; Gaz. vol. 202; p. 561.
- Kadie, Carl H., assignor to Stark Car Coupler Corporation, Strasburg, Va. Car-coupling. No. 1,107,959; Aug. 18; Gaz. vol. 205; p. 921.
- Kaelin, John L. (See Sippel and Kaelin.)
- Kaemmerling, Gustav H., Erie, Pa., assignor to General Electric Company. Engine. No. 1,089,711; Mar. 10; Gaz. vol. 200; p. 403.
- Kaempfe, Walter, Grossenhain, Germany. Manufacture of oil-varnish substitutes from animal-oils. No. 1,087,064; Feb. 10; Gaz. vol. 199; p. 559.
- Kaempfe, Walter, Grossenhain, Germany. Manufacture of polymerized products from animal oils. No. 1,121,925; Dec. 22; Gaz. vol. 209; p. 1174.
- Kaempfe, Walter, Grossenhain, Germany. Manufacture of polymerized products from animal oils. No. 1,121,926; Dec. 22; Gaz. vol. 209; p. 1174.
- Kaempfe, Walter, Grossenhain, Germany. Manufacture of polymerized products from animal oils. No. 1,122,400; Dec. 29; Gaz. vol. 209; p. 1375.
- Kaempfer, Isabella, New York, N. Y. Casing for electric cells. No. 1,090,624; Mar. 17; Gaz. vol. 200; p. 762.
- Kaestner, Franz F., Erfurt, Germany. Oil-lamp. No. 1,099,054; June 2; Gaz. vol. 203; p. 234.
- Kaestner & Hecht Company. (See Jacobson, Carl A., assignor.)
- Kafka, Carl F., Vienna, Austria-Hungary. Pessary. No. 1,093,993; Apr. 21; Gaz. vol. 201; p. 711.
- Kaftanis, Constandinos K., Knox, N. D. Toy. No. 1,117,854; Nov. 17; Gaz. vol. 208; p. 913.
- Kagel, Paul A., *et al.* (See Nix, Adolph P., assignor.)
- Kahanowicz, Alexander, New York, N. Y. Self-registering measuring-rule. No. 1,096,376; May 12; Gaz. vol. 202; p. 446.
- Kahler, Charles F. (See Billingham and Kahler.)
- Kahler, Edward L., Milwaukee, Wis. Limb-holding mechanism for dolls. No. 1,119,963; Dec. 8; Gaz. vol. 209; p. 401.
- Kahn, Albert. (See Hundhausen, Joseph, assignor.)

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- Kahn, Fernando H., San Francisco, Cal. Lens-mounting for eyeglasses. No. 1,097,129; May 19; Gaz. vol. 202; p. 748.
- Kahn, Gustave, Detroit, Mich. Reinforced concrete construction. No. 1,085,428; Jan. 27; Gaz. vol. 198; p. 823.
- Kahn, Gustave, Detroit, Mich. Window. No. 1,101,187; June 23; Gaz. vol. 203; p. 1103.
- Kahn, Julius, Detroit, Mich. Fireproof floor. No. 1,101,188; June 23; Gaz. vol. 203; p. 1103.
- Kahn, Julius, Detroit, Mich., and T. H. Kane, Youngstown, Ohio. Structural member. No. 1,085,429; Jan. 27; Gaz. vol. 198; p. 823.
- Kahn, Julius, Detroit, Mich., and T. H. Kane, Youngstown, Ohio. Truss. No. 1,101,189; June 23; Gaz. vol. 203; p. 1103.
- Kahn, Julius, Detroit, Mich., and T. H. Kane, Youngstown, Ohio, assignors to Trussed Concrete Steel Company, Detroit, Mich. Reinforced expanded metal. No. 1,111,838; Sept. 29; Gaz. vol. 206; p. 1210.
- Kahn, Moritz, London, England. Shoe for piles made of concrete or other plastic material. No. 1,085,430; Jan. 27; Gaz. vol. 198; p. 823.
- Kahn, Samuel, New York, N. Y. Scupper. No. 1,104,806; July 28; Gaz. vol. 204; p. 1033.
- Kahns, Walter R., Chicago, Ill., assignor to J. H. White Mfg. Co., Brooklyn, N. Y. Support for incandescent-electric-lamp sockets. No. 1,115,206; Oct. 27; Gaz. vol. 207; p. 1117.
- Kahns, Walter R., Chicago, Ill., assignor to J. H. White Mfg. Co., Brooklyn, N. Y. Combined shade-hanger and lamp-socket support for lighting-fixtures. No. 1,122,763; Dec. 29; Gaz. vol. 209; p. 1501.
- Kahrs, Leander A., assignor of one-third to C. W. Tucker, Healdsburg, Cal. Saw-guide. No. 1,111,904; Sept. 29; Gaz. vol. 206; p. 1235.
- Kabel, Burkhardt, Darmstadt, Germany. Sewage and refuse separator. No. 1,093,994; Apr. 21; Gaz. vol. 201; p. 712.
- Kall, Jackson L., Chicago, Ill. Window. No. 1,112,623; Oct. 6; Gaz. vol. 207; p. 76.
- Kall, Wilbert S., assignor of one-half to G. Love, Scio, Ohio. Mold. No. 1,112,804; Oct. 6; Gaz. vol. 207; p. 138.
- Kain, Henry J. (See Schmitz, Michael W., assignor.)
- Kain, William B. (See Joyce and Kain.)
- Kainer, Frederick C., Chicago, Ill. Steering-gear. No. 1,089,136; Mar. 3; Gaz. vol. 200; p. 161.
- Kaiser, Andrew, De Kalb, Ill. Eaves-trough clamp. No. 1,119,516; Dec. 1; Gaz. vol. 209; p. 213.
- Kaiser, Carl, assignor to Kaiser Manufacturing Company, New York, N. Y. Ash-can. No. 1,106,877; Aug. 11; Gaz. vol. 205; p. 496.
- Kaiser, Edward F. W., St. Louis, Mo. Rack for printing-chases and the like. No. 1,107,960; Aug. 18; Gaz. vol. 205; p. 921.
- Kaiser, George P. (See Lovejoy and Kaiser.)
- Kaiser, Gus M., New York, N. Y. Belt-buckle. No. 1,086,455; Feb. 10; Gaz. vol. 199; p. 351.
- Kaiser, Gus M., New York, N. Y. Belt-buckle. No. 1,087,065; Feb. 10; Gaz. vol. 199; p. 559.
- Kaiser, Gus M., New York, N. Y. Safety-razor. No. 1,087,778; Feb. 17; Gaz. vol. 199; p. 862.
- Kaiser, Lipman. (See Cunnius, Alfred R., assignor.)
- Kaiser Manufacturing Company. (See Kaiser, Carl, assignor.)
- Kaiser, William B. C., Hamburg, Germany. Dental casting apparatus. No. 1,115,678; Nov. 3; Gaz. vol. 208; p. 73.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Calling device. No. 1,096,841; May 19; Gaz. vol. 202; p. 645.
- Kaisling, William, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Calling device. No. 1,097,644; May 26; Gaz. vol. 202; p. 970.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Calling device. No. 1,098,447; June 2; Gaz. vol. 203; p. 32.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Biased polarized ringer. No. 1,102,415; July 7; Gaz. vol. 204; p. 68.
- Kaisling, William, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone call-bell or ringer. No. 1,106,655; Aug. 11; Gaz. vol. 205; p. 419.
- Kaisling, William, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Selector-switch for automatic exchanges. No. 1,110,492; Sept. 15; Gaz. vol. 206; p. 662.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Calling device. No. 1,118,655; Nov. 24; Gaz. vol. 208; p. 1233.
- Kal-Pheno Chemical Company. (See Waller, Lee O., assignor.)
- Kalaher, Charles W., Zillah, Wash. Press. No. 1,114,992; Oct. 27; Gaz. vol. 207; p. 1041.
- Kalamazoo Loose Leaf Binder Company. (See Wigginton, George P., assignor.)
- Kalamazoo Tank and Silo Company. (See Youmans, George P., assignor.)
- Kalat, Gottlieb, New York, N. Y. Tying device. No. 1,097,443; May 19; Gaz. vol. 202; p. 857.
- Kalfus, Victor, New York, N. Y. Water-boiler appliance. No. 1,104,511; July 21; Gaz. vol. 204; p. 883.
- Kalhaus, Ernst, assignor of one-half to J. Elias, Vienna, Austria-Hungary. Headlight for motor and other vehicles. No. 1,118,354; Nov. 24; Gaz. vol. 208; p. 1126.
- Kalina, Loeser, New York, N. Y. Safety-razor. No. 1,088,674; Feb. 24; Gaz. vol. 199; p. 1211.
- Kalina, Loeser, New York, N. Y. Combination-tool. No. 1,093,432; Apr. 14; Gaz. vol. 201; p. 482.
- Kalina, Loeser, New York, N. Y. Sewing outfit. No. 1,099,252; June 9; Gaz. vol. 203; p. 345.
- Kalina, Loeser, New York, N. Y. Washboard. No. 1,107,168; Aug. 11; Gaz. vol. 205; p. 597.
- Kalina, Loeser, New York, N. Y. Garment-hanger. No. 1,114,002; Oct. 20; Gaz. vol. 207; p. 637.
- Kalinowski, Alexander J., Lyons, Colo. Multiple-fuse plug. No. 1,103,777; July 14; Gaz. vol. 204; p. 588.
- Kalitsch, Friedrich von, Baerentzoren, near Dobritz, Germany. Making waste wood obtained in forestry into briquets. No. 1,102,591; July 7; Gaz. vol. 204; p. 130.
- Kalkbrenner, George, Albany, N. Y. Replacing-tool for bottle-caps. No. 1,116,438; Nov. 10; Gaz. vol. 208; p. 372.
- Kalkow, Friedrich J., Offenbach-on-the-Main, Germany. Manufacture of lead salts of acetic acid. No. 1,097,099; May 19; Gaz. vol. 202; p. 738.
- Kallberg, John, Chicago, Ill. Bricklaying-machine. No. 1,096,306; May 12; Gaz. vol. 202; p. 422.
- Kalle and Company, Aktiengesellschaft. (See Müller, Carl, assignor.)
- Kalle and Company Aktiengesellschaft. (See Wray, Edward, assignor.)
- Kallinger, Oswald. (See Bauer, Frank, assignor.)
- Kallinich, Hugo J., Southington, Conn. Tool-handle. No. 1,118,493; Nov. 24; Gaz. vol. 208; p. 1178.
- Kallio, Andrew, South Range, Mich. Folding bed. No. 1,097,100; May 19; Gaz. vol. 202; p. 738.
- Kallioinen, Nestor, Negaunee, Mich. Railway-tie. No. 1,088,586; Feb. 24; Gaz. vol. 199; p. 1181.
- Kallis, Morton, *et al.* (See Strobel, William H., assignor.)
- Kallmann, Martin, deceased; P. Kallmann, Berlin, Germany, administratrix. Switching device for electric circuits. No. 1,085,266; Jan. 27; Gaz. vol. 198; p. 767.
- Kallmann, Paula, administratrix. (See Kallmann, Martin.)
- Kallusch, Fredrick W., Long Beach, Cal. Apparatus for supplying humidified and scented air. No. 1,121,845; Dec. 22; Gaz. vol. 209; p. 1146.
- Kalmus, Herbert T., and W. L. Savell, Kingston, Ontario, Canada, assignors to said Kalmus. Making alumina. No. 1,090,479; Mar. 17; Gaz. vol. 200; p. 712.
- Kalosky, Anton, New Britain, Conn. Curtain and shade-roller supporter. No. 1,086,919; Feb. 10; Gaz. vol. 199; p. 513.
- Kalsow, Frederick W., Fort Dodge, Iowa. Carpenter's level. No. 1,085,342; Jan. 27; Gaz. vol. 198; p. 794.
- Kalthoff, Albrecht, assignor to H. D. Berner & Winterbauer Company, New York, N. Y. Liquid cooling and dispensing apparatus. No. 1,098,323; May 26; Gaz. vol. 202; p. 1210.
- Kalvelage, Henry F., Portland, Oreg. Turbine. No. 1,101,077; June 23; Gaz. vol. 203; p. 1066.
- Kameras, Max, and J. Nederland, New York, N. Y. Locket. No. 1,122,941; Dec. 29; Gaz. vol. 209; p. 1564.
- Kamigashira, Samuel I., Rock Springs, Wyo. Supply-holder. No. 1,089,225; Mar. 3; Gaz. vol. 200; p. 190.
- Kaminski, Paul. (See Barkhausen and Kaminski.)
- Kaminski, Paul, Nonnendamm, near Berlin, assignor to Siemens & Halske A. G., Berlin, Germany. Electric system for transmitting angular positions. No. 1,122,942; Dec. 29; Gaz. vol. 209; p. 1564.
- Kamiske, Christian G., Milwaukee, Wis. Signal apparatus. No. 1,091,578; Mar. 31; Gaz. vol. 200; p. 1158.
- Kammer, Bertha von der. (See Kammer, John von der, assignor.)
- Kammer, John von der, Berlin, Germany, assignor to B. von der Kammer, Chicago, Ill. Manufacturing malt. No. 1,084,943; Jan. 20; Gaz. vol. 198; p. 620.
- Kammer, Julius W., New York, N. Y. System for operating railway traffic. No. 1,121,254; Dec. 15; Gaz. vol. 209; p. 903.
- Kammerer, Friedrich, Pforzheim, Germany. Method of and apparatus for producing filled precious-metal wire, &c. No. 1,096,786; May 12; Gaz. vol. 202; p. 582.
- Kammerer, Friedrich, Pforzheim, Germany. Manufacture of solder-cored wire. No. 1,109,423; Sept. 1; Gaz. vol. 206; p. 202.
- Kammerer, Otto. (See Arbenz and Kammerer.)
- Kammler, Edward, *et al.* (See Heina, William M., assignor.)
- Kamp, John C., and A. E. Finch, Buffalo, N. Y. Pulley. No. 1,102,928; July 7; Gaz. vol. 204; p. 245.
- Kamp, Walter V., New York, N. Y. Airship. No. 1,108,113; Aug. 18; Gaz. vol. 205; p. 977.

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- Kampfe, Richard, New York, N. Y. Locking means for safety-razor blades. No. 1,093,189; Apr. 14; Gaz. vol. 201; p. 401.
- Kampfe, Richard, New York, N. Y. Holder for safety-razor sets. No. 1,096,541; May 12; Gaz. vol. 202; p. 501.
- Kanawah, Crawford M., assignor to Twinplex Manufacturing Company, St. Louis, Mo. Locking device for sharpeners. No. 1,085,267; Jan. 27; Gaz. vol. 198; p. 768.
- Kandle-Born Company. (See Kandle, Matthias M., assignor.)
- Kandle Brothers. (See Downs, Samuel, assignor.)
- Kandle, Matthias M., assignor to Kandle-Born Company, Springfield, Mass. Printing-press. No. 1,093,190; Apr. 14; Gaz. vol. 201; p. 401.
- Kandle, Matthias M., assignor to Kandle-Born Company, Springfield, Mass. Circuit-controlling device. No. 1,117,396; Nov. 17; Gaz. vol. 208; p. 752.
- Kandó, Coloman de, Budapest, Austria-Hungary, assignor to G. Westinghouse, Pittsburgh, Pa. Device for supporting trolley-wires. No. 1,089,415; Mar. 10; Gaz. vol. 200; p. 300.
- Kane, Edmund J., Chicago, Ill. Magneto. No. 1,114,003; Oct. 20; Gaz. vol. 207; p. 637.
- Kane, Edmund J., Chicago, Ill., assignor to International Harvester Corporation. Carbureter. No. 1,108,181; Aug. 25; Gaz. vol. 205; p. 1047.
- Kane, Forrest H., Charlevoix, Mich. Bell-striking device. No. 1,102,340; July 7; Gaz. vol. 204; p. 42.
- Kane, Francis T., assignor to A. W. Zimmerman, Chicago, Ill. Burner. No. 1,119,167; Dec. 1; Gaz. vol. 209; p. 93.
- Kane, Frederick L., Huntington, N. Y. Plaster-support for wall-coverings. No. 1,103,362; July 14; Gaz. vol. 204; p. 443.
- Kane, Frederick L., Huntington, N. Y. Plaster-support for walls. No. 1,121,017; Dec. 15; Gaz. vol. 209; p. 821.
- Kane, John C., and F. E. Hugg, Detroit, Mich. Heater for automobiles. No. 1,104,120; July 21; Gaz. vol. 204; p. 746.
- Kane, Katherine C., Oldtown, Me. Dust-pan. No. 1,107,961; Aug. 18; Gaz. vol. 205; p. 921.
- Kane, Meyer M., Chicago, Ill. Ironing apparatus. No. 1,111,467; Sept. 22; Gaz. vol. 206; p. 1043.
- Kane, Patrick H., Buffalo, N. Y. Concrete-reinforcing bar. No. 1,100,742; June 23; Gaz. vol. 203; p. 947.
- Kane, Peter W., assignor of thirty-seven and one-half one-hundredths to J. G. Waters, and twenty-five one-hundredths to E. N. Pearce, Centralia, Wash. Apparatus for transforming energy. No. 1,118,293; Nov. 3; Gaz. vol. 208; p. 280.
- Kane, Thomas H. (See Kahn and Kane.)
- Kane, Thomas H., Youngstown, Ohio, assignor to Trussed Concrete Steel Company, Detroit, Mich. Producing sheet-metal forms for floors. No. 1,085,431; Jan. 27; Gaz. vol. 198; p. 824.
- Kane, Thomas H., Youngstown, Ohio, assignor to Trussed Concrete Steel Company, Detroit, Mich. Protecting-plate for the edges of concrete constructions. No. 1,111,839; Sept. 29; Gaz. vol. 206; p. 1210.
- Kane, William, Philadelphia, Pa. Hot-water-circulating boiler. No. 1,084,861; Jan. 20; Gaz. vol. 198; p. 593.
- Kane, William, Philadelphia, Pa. Automatic regulator. No. 1,098,733; June 2; Gaz. vol. 203; p. 128.
- Kane, William, Philadelphia, Pa. Valve. No. 1,110,565; Sept. 15; Gaz. vol. 206; p. 686.
- Kanellos, Peter, Los Angeles, Cal. Liquid-dispenser. No. 1,092,533; Apr. 7; Gaz. vol. 201; p. 141.
- Kanen, Walter H., assignor of one-half to M. L. McKean, Oakland, Cal. Life-preserver. No. 1,123,194; Dec. 29; Gaz. vol. 209; p. 1655.
- Kangas, Adam, Ishpeming, Mich. Railway-tie. No. 1,112,292; Sept. 29; Gaz. vol. 206; p. 1365.
- Kann, Emil A., New York, N. Y. Protector for corsets. No. 1,114,144; Oct. 20; Gaz. vol. 207; p. 687.
- Kann, Ralph G., Pittsburgh, Pa. Glass. No. 1,085,432; Jan. 27; Gaz. vol. 198; p. 824.
- Kanner, Samuel. (See Buchler, Isidor, assignor.)
- Kanner, Samuel. (See Tompkins, De Forest, assignor.)
- Kanner, Samuel, New York, N. Y. Razor-stropping machine. No. 1,097,027; May 19; Gaz. vol. 202; p. 711.
- Kanning, Fredrick H., Hopewell, Mo. Wrench. No. 1,089,386; Mar. 3; Gaz. vol. 200; p. 241.
- Kanonenberg, Heinrich. (See Heilemann and Kanonenberg.)
- Kanter, Abraham. (See Kanter, Marcus and W., assignors.)
- Kanter, Jeremiah, assignor to M. Marcouse, Philadelphia, Pa. Button. No. 1,118,555; Nov. 24; Gaz. vol. 208; p. 1199.
- Kanter, Marcus and W., assignors to A. Kanter, Cleveland, Ohio. Toy wall-telephone. No. 1,088,661; Feb. 24; Gaz. vol. 199; p. 1206.
- Kanter, William. (See Kanter, Marcus and W.)
- Kantor, Joseph, New York, N. Y. Sanitary sugar-container. No. 1,113,018; Oct. 6; Gaz. vol. 207; p. 210.
- Kantorowicz, Julius, Breslau, Germany. Manufacturing adhesives giving with cold water strong cementing masses. No. 1,105,567; July 28; Gaz. vol. 204; p. 1300.
- Kantro, John D., New York, N. Y. Bell for gas-lights. No. 1,102,592; July 7; Gaz. vol. 204; p. 130.
- Kapelle, Henry C., Schenectady, N. Y. Porcelain-kiln. No. 1,108,585; Aug. 25; Gaz. vol. 205; p. 1190.
- Kapelman, Felix G., New York, N. Y. Bed. No. 1,092,446; Apr. 7; Gaz. vol. 201; p. 112.
- Kapferer, Maurice, Puteaux, France. Ratchet device. No. 1,121,507; Dec. 15; Gaz. vol. 209; p. 990.
- Kaplan, Joseph A. (See Phillips and Kaplan.)
- Kaplan, Morduch L., Brooklyn, N. Y. Galvanic cell. No. 1,109,128; Sept. 1; Gaz. vol. 206; p. 95.
- Kaplan, Morduch L., Brooklyn, N. Y. Galvanic cell. No. 1,109,129; Sept. 1; Gaz. vol. 206; p. 96.
- Kapp, C. F. (See Whitcomb, James, assignor.)
- Kapp, George O. (See Beach, Clarence E., assignor.)
- Kapteina, John E., Springdale, Pa. Handling glass. No. 1,107,528; Aug. 28; Gaz. vol. 205; p. 771.
- Kapteina, John E., Springdale, Pa. Tongs for handling glass-pots. No. 1,120,819; Dec. 15; Gaz. vol. 209; p. 757.
- Karácsonyi, Frank, Yonkers, assignor of one-third to G. Blága, Hastings-upon-Hudson, N. Y. Spring-heel for shoes. No. 1,099,180; June 9; Gaz. vol. 203; p. 320.
- Karácsonyi, Frank, Yonkers, assignor of one-third to G. Blága, Hastings-upon-Hudson, N. Y. Door-lock. No. 1,106,223; Aug. 4; Gaz. vol. 205; p. 222.
- Karberg, Peter K. (See Bissell and Karberg.)
- Karbowsky, Victor, Tempe, New South Wales, Australia. Rotary molding and compression machine. No. 1,112,455; Oct. 6; Gaz. vol. 207; p. 14.
- Karch, Joseph P. (See Guthrie and Karch.)
- Karcher, Arthur A., assignor to American Tool Works, St. Joseph, Mich. Air-gun. No. 1,101,698; June 30; Gaz. vol. 203; p. 1330.
- Karcher, Louis A. (See Jeffries, Charles H., assignor.)
- Karcher, Otto, assignor of one-half to J. L. Russell, Canton, Ohio. Dispensing device. No. 1,105,797; Aug. 4; Gaz. vol. 205; p. 73.
- Karczag, Ladislaus, Charlottenburg, and E. Kopetschni, Mannheim, Germany. Production of acid chlorides of the oxyacids. No. 1,106,455; Aug. 11; Gaz. vol. 205; p. 345.
- Karges, Julius J., Maywood, Mo. Display device. No. 1,107,075; Aug. 11; Gaz. vol. 205; p. 562.
- Karhu, John, Calumet, assignor of one-half to R. T. Looney, Hancock, Mich. Dumping-car. No. 1,095,879; May 5; Gaz. vol. 202; p. 240.
- Karl, George E., assignor to The Dunham Company, Berea, Ohio. Handle-locking device for rollers. No. 1,105,279; July 28; Gaz. vol. 204; p. 1197.
- Karl, George E., Cleveland, assignor to The Dunham Company, Berea, Ohio. Lawn-roller. No. 1,120,820; Dec. 15; Gaz. vol. 209; p. 751.
- Karlberg, Arvid E. (See Sargent and Karlberg.)
- Karlberg, Arvid E., and M. B. Sargent, Owensboro, Ky., assignors to The Stenotype Company, Indianapolis, Ind. Type-writing machine. No. 1,105,081; July 28; Gaz. vol. 204; p. 1129.
- Karlberg, Arvid E., and M. B. Sargent, Owensboro, Ky., assignors to The Stenotype Company, Indianapolis, Ind. Rewinding mechanism for type-writing machines. No. 1,105,082; July 28; Gaz. vol. 204; p. 1130.
- Karlberg, Arvid E., and M. B. Sargent, assignors to The Stenotype Company, Indianapolis, Ind. Attachment for type-writing machines. No. 1,121,370; Dec. 15; Gaz. vol. 209; p. 943.
- Karle, George J., Buffalo, N. Y. Oar-lock. No. 1,097,330; May 19; Gaz. vol. 202; p. 819.
- Karloff, John H., Mead, Nebr. Draft-equalizer. No. 1,088,662; Feb. 24; Gaz. vol. 199; p. 1206.
- Karlovetz, Charles K., et al. (See Crosby, Joseph B., assignor.)
- Karlson, Gustaf V., assignor to American Gasaccumulator Company, Philadelphia, Pa. Diaphragm-valve. No. 1,121,105; Dec. 15; Gaz. vol. 209; p. 853.
- Karlson, Karl, Brooklyn, assignor of one-half to G. J. F. Wilford, New York, N. Y. Funnel. No. 1,113,648; Oct. 13; Gaz. vol. 207; p. 473.
- Karnat, Alexander, Baten, Russia. Means for securing crank-handles. No. 1,095,880; May 5; Gaz. vol. 202; p. 241.
- Karnes, Clarence E., Hazelton, Kans. Kafir and cane header. No. 1,085,209; Jan. 27; Gaz. vol. 198; p. 746.
- Karnes, Robert N., Medina, Tenn. Acetylene-gas generator. No. 1,084,443; Jan. 13; Gaz. vol. 198; p. 421.
- Karp, Morris, assignor to Passaic Metal Ware Company, Passaic, N. J. Container. No. 1,103,674; July 14; Gaz. vol. 204; p. 554.
- Karpen, Solomon, assignor to S. Karpen & Bros., Chicago, Ill. Combination folding bed. No. 1,115,316; Oct. 27; Gaz. vol. 207; p. 1154.
- Karpowitsch, Konstantin F., et al. (See Jurschewitz, Paul A. W., assignor.)
- Karr, Charles F., Washington, D. C. Toilet-comb. No. 1,088,588; Feb. 24; Gaz. vol. 199; p. 1182.

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- Karr, James P., assignor to R. W. Karr, Fort Wayne, Ind. Steel barge or scow. No. 1,116,894; Nov. 10; Gaz. vol. 208; p. 537.
- Karr, Raymond W. (See Karr, James P., assignor.)
- Karrer, Josef, Zurich, Switzerland, assignor, by mesne assignments, to General Electric Company. Arrangement for regulating steam-turbines. No. 1,118,355; Nov. 24; Gaz. vol. 208; p. 1127.
- Karrer, Paul. (See Bertheim and Karrer.)
- Karrer, Paul. (See Ehrlich and Karrer.)
- Karrer, Paul. (See Ehrlich, Reuter, and Karrer.)
- Karschner, Lloyd W., Pikes Creek, Pa. Fly-killer. No. 1,116,895; Nov. 10; Gaz. vol. 208; p. 537.
- Kartheiser, John, Aurora, Ill. Car-door lock. No. 1,113,353; Oct. 13; Gaz. vol. 207; p. 371.
- Kartheiser, John, assignor of one-half to N. Kartheiser, Aurora, Ill. Car-door. No. 1,113,352; Oct. 13; Gaz. vol. 207; p. 370.
- Kartheiser, Nicholas. (See Kartheiser, John, assignor.)
- Kartmark, Otto, New York, N. Y. Guard mechanism for punch-presses. No. 1,086,059; Feb. 3; Gaz. vol. 199; p. 172.
- Kasch, Charles H., Davenport, Iowa. Journal-box lid. No. 1,110,207; Sept. 8; Gaz. vol. 206; p. 520.
- Kasdorff, Richard B., Cleveland, Ohio. Bicycle-support. No. 1,107,427; Aug. 18; Gaz. vol. 205; p. 737.
- Kaselowsky, Wilhelm, Minneapolis, Minn. Plow. No. 1,115,679; Nov. 3; Gaz. vol. 208; p. 73.
- Kaser, Ernest E., W. V. Humble, and E. G. Remmers, Oklahoma, Okla. Type-writer appliance. No. 1,116,076; Nov. 3; Gaz. vol. 208; p. 208.
- Kashner, Charles J., Clarendon, Pa. Safety-envelop. No. 1,121,255; Dec. 15; Gaz. vol. 209; p. 904.
- Kasley, Alexander T., Pittsburgh, Pa. Rectifier. No. 1,098,807; June 2; Gaz. vol. 203; p. 152.
- Kasley, Alexander T., Swissvale, Pa. Electric-current converter. No. 1,112,913; Oct. 6; Gaz. vol. 207; p. 175.
- Kasley, Alexander T., Swissvale, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Explosion-motor. No. 1,089,478; Mar. 10; Gaz. vol. 200; p. 323.
- Kasley, Alexander T., Swissvale, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Mixture-controlling means for motors. No. 1,102,341; July 7; Gaz. vol. 204; p. 42.
- Kaspar, Franz, Prague, Austria-Hungary. Apparatus for sticking stamps. No. 1,090,721; Mar. 17; Gaz. vol. 200; p. 792.
- Kasper, Adam, Eckley, Pa. Lantern. No. 1,119,358; Dec. 1; Gaz. vol. 209; p. 158.
- Kassa, Jozsef, Sandcoulee, Mont. Life-boat. No. 1,105,909; Aug. 4; Gaz. vol. 205; p. 112.
- Kassander, Leopold, assignor to The Nathan Manufacturing Company, New York, N. Y. Lubricator. No. 1,083,906; Jan. 6; Gaz. vol. 198; p. 209.
- Kassander, Leopold, assignor to The Nathan Manufacturing Company, New York, N. Y. Injector. No. 1,084,640; Jan. 20; Gaz. vol. 198; p. 517.
- Kassander, Leopold, assignor to The Nathan Manufacturing Company, New York, N. Y. Jet-pump apparatus. No. 1,109,682; Sept. 8; Gaz. vol. 206; p. 333.
- Kasson, C. Vallette. (See Ross, Oscar A., assignor.)
- Kast, Edward R., Baltimore, Md. Signature-handling mechanism. No. 1,083,617; Jan. 6; Gaz. vol. 198; p. 149.
- Kast Insetting and Gathering Machine Company. (See Gitzendanner, Charles, assignor.)
- Kastner, Edward G., and J. E. Benton, Detroit, Mich. Coin-handling device. No. 1,111,389; Sept. 22; Gaz. vol. 206; p. 1016.
- Kastner, Frederick D., Salina, Kans. Automatic valve-operating mechanism. No. 1,114,145; Oct. 20; Gaz. vol. 207; p. 687.
- Kastura, John, Duquesne, Pa. Wheeled toy. No. 1,121,371; Dec. 15; Gaz. vol. 209; p. 944.
- Katkó, Stephen, Ahmeek, Mich. Life-saving boat. No. 1,101,287; June 23; Gaz. vol. 203; p. 1137.
- Katterheinrich, Christy D., S. B., and H. H., and W. J. Hinze, New Knoxville, Ohio. Cream-tester. No. 1,084,886; Jan. 20; Gaz. vol. 198; p. 601.
- Katterheinrich, Herman H. (See Katterheinrich and Hinze.)
- Katterheinrich, Samuel B. (See Katterheinrich and Hinze.)
- Katterhenry, Lewis B., Garner, Iowa. Cultivator-shovel. No. 1,099,304; June 9; Gaz. vol. 203; p. 363.
- Katz, Alexander, New York, N. Y. Clothes-washer. No. 1,105,978; Aug. 4; Gaz. vol. 205; p. 137.
- Katz, George J., Chicago, Ill. Electromedical exercising apparatus. No. 1,088,780; Mar. 3; Gaz. vol. 200; p. 37.
- Katzenberger, Wilhelm, Heidelberg, Germany. Bedstead and mattress. No. 1,088,589; Feb. 24; Gaz. vol. 199; p. 1182.
- Kauble, Jacob J., Reelsville, Ind. Dust and water proof boxing. No. 1,113,445; Oct. 13; Gaz. vol. 207; p. 404.
- Kauertz, Wilhelm, Dusseldorf, Germany. Hall for air-ships. No. 1,109,648; Sept. 1; Gaz. vol. 206; p. 279.
- Kaufer, Joseph, Wilkes-Barre, Pa. Device for making syrup. No. 1,094,660; Apr. 28; Gaz. vol. 201; p. 999.
- Kauffman, Linus B. (See Zuckschwerdt, Fritz F., assignor.)
- Kaufer, Fannie A., Weedsport, N. Y. Skirt. No. 1,106,818; Aug. 11; Gaz. vol. 205; p. 474.
- Kaufer, Felix, Brückl, Austria-Hungary. Producing amyl acetate and its homologues. No. 1,106,047; Aug. 4; Gaz. vol. 205; p. 162.
- Kaufer, Felix, Vienna, Austria-Hungary, and A. Klages, Salbke, Germany. Mercuric chlorid and producing same. No. 1,084,346; Jan. 13; Gaz. vol. 198; p. 391.
- Kaufman, A. C. (See Smith, Ulysses S., assignor.)
- Kaufman, Abraham, Savannah, Ga. Means for operating electric switch-buttons. No. 1,083,837; Jan. 6; Gaz. vol. 198; p. 189.
- Kaufman, Adolph G., New York, N. Y. Bung-bushing. No. 1,085,688; Feb. 3; Gaz. vol. 199; p. 38.
- Kaufman, Adolph G., New York, N. Y. Safety-pin. No. 1,089,416; Mar. 10; Gaz. vol. 200; p. 300.
- Kaufman, Irvin H. (See Eells and Kaufman.)
- Kaufman, Isaac, New York, N. Y. Underwaist-pocket. No. 1,112,805; Oct. 6; Gaz. vol. 207; p. 138.
- Kaufman, Joseph, New York, N. Y. Razor. No. 1,091,436; Mar. 24; Gaz. vol. 200; p. 1066.
- Kaufman, Otto, Youngstown, Ohio. Mantle-cutting machine. No. 1,086,671; Feb. 10; Gaz. vol. 199; p. 426.
- Kaufman, Rosa. (See Dunlap and Kaufman.)
- Kaufmann, Ary, Newark, N. J., assignor to K. Kaufmann & Co. Bag-body with integral corner-pieces. No. 1,119,517; Dec. 1; Gaz. vol. 209; p. 213.
- Kaufmann, Jacob, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom-harness. No. 1,090,858; Mar. 24; Gaz. vol. 200; p. 869.
- Kaufmann, Jacob, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle-frame. No. 1,090,859; Mar. 24; Gaz. vol. 200; p. 870.
- Kaufmann, Jacob, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle-frame. No. 1,091,141; Mar. 24; Gaz. vol. 200; p. 969.
- Kaufmann, Jacob, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom-harness. No. 1,093,995; Apr. 21; Gaz. vol. 201; p. 712.
- Kaufmann, Paul H. F., North Tonawanda, N. Y. Micrometer-adjusting mechanism for microscopes and other devices. No. 1,110,266; Sept. 8; Gaz. vol. 206; p. 541.
- Kaufmann, Raymond. (See Freeble, Thomas M., assignor.)
- Kaufmann & Sohne, Heinrich. (See Seipel, Heinrich, assignor.)
- Kaufmann & Strauss Co. (See Imhof, Joseph A., assignor.)
- Kaupert, George, Chicago, Ill. Machine for filling in hollow cavities in tiles. No. 1,119,084; Dec. 1; Gaz. vol. 209; p. 65.
- Kause, Jacobus P., Chicago, Ill. Fender for ships. No. 1,117,579; Nov. 17; Gaz. vol. 208; p. 815.
- Kautzky, Joseph, Fort Dodge, Iowa. Automatic single-trigger mechanism for double-barrel guns. No. 1,109,632; Sept. 1; Gaz. vol. 206; p. 272.
- Kaven, Moses B., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Making dies. No. 1,095,116; Apr. 28; Gaz. vol. 201; p. 1155.
- Kaven, Moses B., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Die. No. 1,095,117; Apr. 28; Gaz. vol. 201; p. 1155.
- Kawai, Kametaro. (See Miwa and Kawai.)
- Kawalle, William E., Oakland, Cal. Miter-box. No. 1,092,576; Apr. 7; Gaz. vol. 201; p. 155.
- Kawalle, William E., Oakland, Cal. Miter-box. No. 1,115,832; Nov. 3; Gaz. vol. 208; p. 123.
- Kay, Joseph, Windhill, Shipley, assignor to Firm of G. Hodgson, Limited, Bradford, England. Loom pattern-chain. No. 1,102,669; July 7; Gaz. vol. 204; p. 157.
- Kaye, Edgar C., Chicago, Ill. Pneumatic sole for shoes. No. 1,109,130; Sept. 1; Gaz. vol. 206; p. 96.
- Kayes Manufacturing Co. (See Konikoff, Maurice A. and H. R., assignors.)
- Kayetan, John, New York, N. Y., assignor to Kayetan-Rues Company, Inc. Honing-machine. No. 1,098,504; June 2; Gaz. vol. 203; p. 51.
- Kayetan-Rues Company. (See Kayetan, John, assignor.)
- Kaylor, William, assignor of one-third to J. M. Kyker and one-third to R. L. Woodcock, Muskogee, Okla. Stock-car. No. 1,087,779; Feb. 17; Gaz. vol. 199; p. 862.
- Kaylor, William, Muskogee, assignor of one-fourth to J. H. Woodcock, one-eighth to J. T. Roberts, one-eighth to M. K. Thompson, one-eighth to O. A. Wells, and one-sixteenth to W. T. Hutchings, Muskogee, Okla. Wrench. No. 1,118,018; Nov. 24; Gaz. vol. 208; p. 1009.
- Kaynee Company, The. (See Hays, Louis H., assignor.)
- Kayser, Alfred. (See Müller and Kayser.)
- Kayser, Charles H., et al. (See Concato, Girolamo, assignor.)
- Keach, William E., et al. (See O'Meara, James J., assignor.)
- Keagy, Charles O. (See Carmer and Keagy.)
- Keagy, Charles O., and J. R. Carmer, Wilmington, Del. Mail-box. No. 1,096,724; May 12; Gaz. vol. 202; p. 562.

Alphabetical list of patentees—Continued.

- Keagy, Charles O., B. K. Tollinger, and W. H. Beatty, Philadelphia, Pa. Battery-filling funnel. No. 1,084,444; Jan. 13; Gaz. vol. 198; p. 422.
- Keagy, Martin L., Canton, Ohio. Electric cooker. No. 1,115,075; Oct. 27; Gaz. vol. 207; p. 1071.
- Kean, Lawrence E. (See Higgins, Harold H., assignor.)
- Keane, Albert M., *et al.* (See Monzaney, John, assignor.)
- Keane, Francis M., Botsford Station, Conn. Hoof-cutting and hoof-opening machine. No. 1,088,995; Mar. 3; Gaz. vol. 200; p. 110.
- Kearney, George F. (See Currie, Otis C., assignor.)
- Kearney, George F., Highland Park, Mich. Paper-roll holder. No. 1,109,929; Sept. 8; Gaz. vol. 206; p. 421.
- Kearney, George F., assignor of one-half to C. D. Scofield, Gorham, N. Y. Cover for kettles and the like. No. 1,106,656; Aug. 11; Gaz. vol. 205; p. 419.
- Kearney, John A., Newark, N. J., assignor to Gillis & Geoghegan, New York, N. Y. Hoisting apparatus. No. 1,097,233; May 19; Gaz. vol. 202; p. 785.
- Kearney, John A., Newark, N. J., assignor to Gillis & Geoghegan, New York, N. Y. Hoisting apparatus. No. 1,101,190; June 23; Gaz. vol. 203; p. 1104.
- Kearney, Stanley C., Wilkes-Barre, Pa. Whip-lock. No. 1,107,617; Aug. 18; Gaz. vol. 205; p. 804.
- Kearns, Clara H. T. (See Long, Charley, assignor.)
- Kearns, James H., Francis, Okla. Railway rolling-stock. No. 1,085,738; Feb. 3; Gaz. vol. 199; p. 57.
- Keast, Alfred J., Campbell, assignor to California Fruit Cannery Association, San Francisco, Cal. Cooker. No. 1,104,425; July 21; Gaz. vol. 204; p. 851.
- Keating, Harry J., Chicago, Ill. Vending-machine. No. 1,083,365; Jan. 6; Gaz. vol. 198; p. 35.
- Keating, Harry J., Chicago, Ill. Advertising device. No. 1,084,641; Jan. 20; Gaz. vol. 198; p. 517.
- Keating, Harry J., Chicago, Ill. Electromagnetic controlling device. No. 1,093,137; Apr. 14; Gaz. vol. 201; p. 383.
- Keating, Harry J., Chicago, Ill. Advertising device. No. 1,121,561; Dec. 15; Gaz. vol. 209; p. 1010.
- Keating, Patrick J., Chicago, Ill. Soft-face hammer. No. 1,122,506; Dec. 29; Gaz. vol. 209; p. 1410.
- Keating, William, New York, N. Y. Safety device for elevators. No. 1,099,181; June 9; Gaz. vol. 203; p. 321.
- Keats, H. L. (See Combs, Albur B., assignor.)
- Kebabian, George S., New York, N. Y. Machine for treating and refinishing rugs and textile fabrics. No. 1,093,433; Apr. 14; Gaz. vol. 201; p. 483.
- Keck, Charles R., Nelsonville, Mo. Attachment for plowguards. No. 1,106,389; Aug. 11; Gaz. vol. 205; p. 321.
- Keck, Dallas L., Brookings, S. D. Cultivator. No. 1,116,594; Nov. 10; Gaz. vol. 208; p. 430.
- Keck, Harvey S. (See Bucher and Keck.)
- Keck, Oscar, New York, N. Y. Power-transmitting mechanism. No. 1,085,343; Jan. 27; Gaz. vol. 198; p. 794.
- Keck, William, assignor of one-half to C. A. Hively, Coalinga, Cal. Calf-wheel and gudgeon. No. 1,095,881; May 5; Gaz. vol. 202; p. 241.
- Keckeissen, William, and F. J. Reilly, Newark, N. J. Line-clutch. No. 1,122,600; Dec. 29; Gaz. vol. 209; p. 1443.
- Keech, Lyman M., Harpersville, N. Y. Antiskidding device for automobiles. No. 1,091,142; Mar. 24; Gaz. vol. 200; p. 970.
- Keech, Vernon. (See Webb and Keech.)
- Keef, William R. (See Fordyce and Keef.)
- Keefe, Daniel. (See Johnson and Keefe.)
- Keefe, Dion, Walla Walla, Wash. Floor-fastening. No. 1,117,397; Nov. 17; Gaz. vol. 208; p. 753.
- Keefe, Walter L., Fitchburg, Mass. Micrometer. No. 1,100,573; June 16; Gaz. vol. 203; p. 836.
- Keeler Brass Company. (See Kusterer, Carl C., assignor.)
- Keeler, Herman A., assignor to Kabo Corset Co., Chicago, Ill. Stay-grinding machine. No. 1,122,943; Dec. 29; Gaz. vol. 209; p. 1564.
- Keeley, Eugene M., *et al.* (See Fitzgerald, John J., assignor.)
- Keeley, James E., assignor of one-third to J. B. Livsey and one-third to C. Lawrence, Hills Grove, R. I. Combing-machine. No. 1,087,780; Feb. 17; Gaz. vol. 199; p. 862.
- Keeley, William J., New York, N. Y. Accenting attachment for music-playing devices. No. 1,107,801; Aug. 18; Gaz. vol. 205; p. 869.
- Keeley, William J., New York, N. Y., assignor to Auto Pneumatic Action Company. Grand player-piano. No. 1,107,802; Aug. 18; Gaz. vol. 205; p. 869.
- Keely, William K., Susquehanna, Pa. Steam-valve. No. 1,121,730; Dec. 22; Gaz. vol. 209; p. 1105.
- Keen, Elliot, New York, N. Y., assignor to Winchester Repeating Arms Co., New Haven, Conn. Bullet for pleasure target-shooting. No. 1,094,402; Apr. 21; Gaz. vol. 201; p. 846.
- Keen Kleener Manufacturing Company. (See Hupp, Charles A., assignor.)
- Keen, Thomas A., assignor to J. Israel, New Orleans, La. Garbage-can. No. 1,105,440; July 28; Gaz. vol. 204; p. 1256.
- Keen, William H., assignor to Washington Steel & Ordnance Company, Washington, D. C. Armor-piercing projectile. No. 1,102,758; July 7; Gaz. vol. 204; p. 188.
- Keenan, Hugh J., assignor of two-thirds to C. M. and L. R. Braund, Jackson, Mich. Vending-machine. No. 1,091,066; Mar. 24; Gaz. vol. 200; p. 943.
- Keenan, John F., Taylor, Wash., assignor to Denny-Renton Clay and Coal Co., Seattle, Wash. Lowering-device regulator for sewer-pipe presses. No. 1,100,079; June 16; Gaz. vol. 203; p. 667.
- Keenan, Joseph P., Waterbury, Conn. Game apparatus. No. 1,111,592; Sept. 22; Gaz. vol. 206; p. 1086.
- Keenan, Michael J., Brunner, Tex. Boring-tool. No. 1,099,379; June 9; Gaz. vol. 203; p. 391.
- Keene, George F., assignor of one-half to A. O. Pardey, Whitman, Mass. Cranberry-harvester. No. 1,090,860; Mar. 24; Gaz. vol. 200; p. 870.
- Keene, George F., Whitman, assignor of one-half to F. O. Churchill, Brockton, Mass. Razor-stripper. No. 1,090,861; Mar. 24; Gaz. vol. 200; p. 871.
- Keene, Robert C., Frankfort, Ind. Flagging device. No. 1,090,070; Mar. 10; Gaz. vol. 200; p. 527.
- Keene, William J., assignor to Chicago Spring Butt Company, Chicago, Ill. Spring-hinge. No. 1,107,076; Aug. 11; Gaz. vol. 205; p. 562.
- Keene, William J., assignor to Chicago Spring Butt Company, Chicago, Ill. Spring-hinge. No. 1,111,157; Sept. 22; Gaz. vol. 206; p. 936.
- Keene, William J., assignor to Chicago Spring Butt Company, Chicago, Ill. Spring-hinge. No. 1,111,158; Sept. 22; Gaz. vol. 206; p. 937.
- Keeney, John W., Diamond, W. Va., assignor of one-half to R. G. Surratt, Max, Va. Brake-operating means for railway-cars. No. 1,084,445; Jan. 13; Gaz. vol. 198; p. 422.
- Keeney, Joseph P., Norfolk, Va. Tube-cutter. No. 1,118,494; Nov. 24; Gaz. vol. 208; p. 1178.
- Keeney, Orel P., *et al.* (See Bullock and Fayette, assignors.)
- Keepfer, Thomas, Philadelphia, Pa. Hat-securing device. No. 1,116,896; Nov. 10; Gaz. vol. 208; p. 537.
- Keeran, Charles R., Bloomington, Ill. Vacuum-indicator. No. 1,085,134; Jan. 27; Gaz. vol. 198; p. 720.
- Keeran, Charles R., Bloomington, Ill. Weapon. No. 1,111,905; Sept. 29; Gaz. vol. 206; p. 1235.
- Keers, John, Brooklyn, N. Y. Tool for spreading the tubes of water-tube boilers. No. 1,092,840; Apr. 14; Gaz. vol. 201; p. 281.
- Kees, Frederick D., Beatrice, Nebr. End fixture for sliding-clapboards. No. 1,103,050; July 14; Gaz. vol. 204; p. 335.
- Keese, Clifton G. (See Campbell, John T., assignor.)
- Keetman, Bruno, Treptow, near Berlin, and F. Jost, Oranienburg, near Berlin, assignors to Deutsche Gasglühlicht Aktiengesellschaft (Auergesellschaft), Berlin, Germany. Obtaining salts of mesothorium and of radium from thorium-bearing minerals. No. 1,100,743; June 23; Gaz. vol. 203; p. 948.
- Keeton Gold Company. (See Magill, Thomas B., assignor.)
- Keffer, Julia C., Atlantic City, N. J. Sanitary shield. No. 1,102,759; July 7; Gaz. vol. 204; p. 188.
- Keffer, Thomas S., Atlantic City, N. J. Automobile-lock. No. 1,090,625; Mar. 17; Gaz. vol. 200; p. 762.
- Kégresse, Adolphe, Tsarskoye Selo, Russia. Motor-sledge. No. 1,096,815; May 12; Gaz. vol. 202; p. 594.
- Kehl, Howard A., Northport, Mich. Pen-ejecting holder. No. 1,090,862; Mar. 24; Gaz. vol. 200; p. 871.
- Kehn, Robert, Fairfax, S. D. Wire clothes-pin. No. 1,103,420; July 14; Gaz. vol. 204; p. 462.
- Kehr, Cyrus, trustee. (See Gray, Charles B., assignor.)
- Kehr, John, Gilford, Mich. Beet-harvester. No. 1,121,372; Dec. 15; Gaz. vol. 209; p. 944.
- Keibel, Hermann, assignor to Deutsch-Luxemburgische Bergwerks- und Hütten-Aktiengesellschaft, Mülheim-on-the-Ruhr, Germany. Gas-burner for blast-furnace gases. No. 1,083,496; Jan. 6; Gaz. vol. 198; p. 78.
- Keighley Company, The. (See Keighley, William B., assignor.)
- Keighley Company, The. (See Leach, Benjamin, assignor.)
- Keighley, William B., assignor to The Keighley Company, Vineland, N. J. Ironing-machine. No. 1,098,266; May 26; Gaz. vol. 202; p. 1189.
- Keil, Gustav B. (See Gilchrist and Keil.)
- Keil, Henry F., New York, N. Y. Plate-glass structure. No. 1,107,671; Aug. 18; Gaz. vol. 205; p. 824.
- Keil & Son, Francis. (See Morris, De Witt C., assignor.)
- Keiler, Josef, Munich, Germany. Collapsible frame for floating structures. No. 1,108,076; Aug. 18; Gaz. vol. 205; p. 964.
- Kein, Edward T., administrator. (See Alexander, William W.)
- Keiper, Henry B., Lancaster, Pa. Separable rim. No. 1,097,444; May 19; Gaz. vol. 202; p. 857.
- Keiper, Henry B., Lancaster, Pa. Demountable rim. No. 1,097,550; May 19; Gaz. vol. 202; p. 893.
- Keir, Alexander H. (See Child and Keir.)
- Keiser, William F., and C. Ryan, Terre Haute, Ind. Card-door. No. 1,092,108; Mar. 31; Gaz. vol. 200; p. 1340.
- Keister, John H., Vicar Switch, Va. Angle-bar. No. 1,095,882; May 5; Gaz. vol. 202; p. 241.

Alphabetical list of patentees—Continued.

- Keitel, Hugo, Dusseldorf-Oberkassel, assignor of one-half to E. Koch, Dusseldorf, Germany. Screw-propeller. No. 1,095,732; May 5; Gaz. vol. 202; p. 191.
- Keith, Alexander. (See Weiss and Keith.)
- Keith, Alexander E., Hinsdale, assignor to Automatic Electric Company, Chicago, Ill. Automatic trunking system. No. 1,101,854; June 30; Gaz. vol. 203; p. 1383.
- Keith, Alexander E., Hinsdale, assignor to Automatic Electric Company, Chicago, Ill. Automatic trunking system. No. 1,113,354; Oct. 13; Gaz. vol. 207; p. 371.
- Keith, Alexander E., J. and C. J. Erickson, assignors, by mesne assignments, to First Trust and Savings Bank, trustee, Chicago, Ill. Automatic telephone system. No. 1,101,853; June 30; Gaz. vol. 203; p. 1383.
- Keith, Alfred T., Bridgewater, Mass. Tack-plate feeder. No. 1,098,906; June 2; Gaz. vol. 203; p. 187.
- Keith, David R., Fort Scott, Kans. Furnace. No. 1,121,508; Dec. 15; Gaz. vol. 209; p. 991.
- Keith, Edward W., Denver, Colo. Machine for removing slag, ash, or other residue from the retorts of zinc-furnaces. No. 1,109,533; Sept. 1; Gaz. vol. 206; p. 236.
- Keith, George. (See Keith, James and G.)
- Keith, George, assignor of one-half to J. Keith, London, England. Gas-lamp. No. 1,094,214; Apr. 21; Gaz. vol. 201; p. 785.
- Keith, George, assignor of one-half to J. Keith, London, England. Gas-lamp. No. 1,100,434; June 16; Gaz. vol. 203; p. 791.
- Keith, Henry M., Eldorado, Ill. Closet. No. 1,091,346; Mar. 24; Gaz. vol. 200; p. 1035.
- Keith, Herbert J., Somerville, assignor to H. J. Keith Company, Boston, Mass. Preserving eggs. No. 1,119,964; Dec. 8; Gaz. vol. 209; p. 401.
- Keith, Irving L. (See Brittain, George E., assignor.) (Relissue.)
- Keith, Irving L., Haverhill, Mass. Sole-cementing machine. No. 1,099,551; June 9; Gaz. vol. 203; p. 449.
- Keith, James. (See Keith, George, assignor.)
- Keith, James and G., London, England. Device for lighting and extinguishing gas-lamps. No. 1,103,517; July 14; Gaz. vol. 204; p. 494.
- Keith, Marshall W., Kent, Ohio. Swinging bracket. No. 1,089,768; Mar. 10; Gaz. vol. 200; p. 423.
- Keith, Mathus O., and K. D. McQueen, Denver, Colo. Hat-fastener. No. 1,094,661; Apr. 28; Gaz. vol. 201; p. 999.
- Keith, Ozro F., assignor to John T. Mauran Manufacturing Company, Providence, R. I. Bracelet-link. No. 1,098,505; June 2; Gaz. vol. 203; p. 51.
- Keith, Robert H., and F. H. Brooks, Rowan, Iowa. Evener. No. 1,089,927; Mar. 10; Gaz. vol. 200; p. 479.
- Keith, Simeon C., Jr., Brookline, assignor to H. J. Keith Company, Boston, Mass. Preserving eggs. No. 1,112,142; Sept. 29; Gaz. vol. 206; p. 1312.
- Keith, Simeon C., Jr., Newton, and E. Cate, Belmont; said Cate assignor to L. E. Knott Apparatus Company, Boston, Mass. Guard for bubbling drinking-fountains. No. 1,111,540; Sept. 22; Gaz. vol. 206; p. 1068.
- Keith, Winfield L., Milltown, Me. Reed-hook. No. 1,094,855; Apr. 28; Gaz. vol. 201; p. 1067.
- Keithley, Herbert R., Davenport, Iowa. Underframe for railway-cars. No. 1,104,903; July 28; Gaz. vol. 204; p. 1068.
- Keiver, Charles W. (See Johnson and Mathers, assignors.)
- Keiver, Charles W., *et al.* (See Smith, Stephen P., assignor.)
- Kelbur Manufacturing Company. (See Kelly, William D., assignor.)
- Kelch, Simon P. (See Sisson and Kelch.)
- Keler, Hermann von, and A. Weindel, Leverkusen, Germany, assignors, by mesne assignments, to General Chemical Company, New York, N. Y. Producing sulfuric-acid anhydrid according to the contact process. No. 1,102,670; July 7; Gaz. vol. 204; p. 157.
- Kelker, Charles, Philadelphia, Pa. Amusement device. No. 1,112,216; Sept. 29; Gaz. vol. 206; p. 1339.
- Kellar, Charles A. (See Ricks, Charles E., assignor.)
- Kelleher, Patrick H., Auburn, assignor of one-half to J. P. Sutton, Lewiston, Me. Stand. No. 1,105,910; Aug. 4; Gaz. vol. 205; p. 112.
- Kelless, Charles F., Holder, Ill. Smoke-conveyer. No. 1,090,071; Mar. 10; Gaz. vol. 200; p. 527.
- Kellenger, William. (See Laurent, John W., assignor.)
- Keller, Adam G. R., Alameda, Cal. Trap-nest. No. 1,112,217; Sept. 29; Gaz. vol. 206; p. 1339.
- Keller, Benedict, *et al.* (See Siwak, Feliks, assignor.)
- Keller, Bernhard, Duisburg-Meiderich, Germany. Multiplex molding apparatus. No. 1,105,911; Aug. 4; Gaz. vol. 205; p. 113.
- Keller, Charles A., Paris, France. Electrically treating, melting, and refining metals. No. 1,110,208; Sept. 8; Gaz. vol. 206; p. 520.
- Keller, Conrad. (See Grob and Keller.)
- Keller-Dorian, Albert, Lyon, France. Device for the production of induced currents in magneto machines and dynamos. No. 1,095,118; Apr. 28; Gaz. vol. 201; p. 1155.
- Keller, Edgar J. (See Friend, Howard, assignor.)
- Keller, Edmon W., Cripple Creek, Colo. Rake. No. 1,097,028; May 19; Gaz. vol. 202; p. 712.
- Keller, Edward, Perth Amboy, N. J. Treating anode residues. No. 1,110,493; Sept. 15; Gaz. vol. 206; p. 662.
- Keller, Frank M., McBrides, Mich. Clamp. No. 1,087,664; Feb. 17; Gaz. vol. 199; p. 824.
- Keller, Ferdinand. (See Rhodes, Byron F., assignor.)
- Keller, Frederick, and H. Cogan, Paterson, N. J. Tire. No. 1,104,426; July 21; Gaz. vol. 204; p. 851.
- Keller, Frederick H. von, New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. High-tension vapor-converter. No. 1,110,630; Sept. 15; Gaz. vol. 206; p. 710.
- Keller, Frederick H. von, Berlin, Germany, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Apparatus for operating mercury-vapor lamps. No. 1,110,631; Sept. 15; Gaz. vol. 206; p. 710.
- Keller, George P., Hoboken, N. J. Buffing or polishing wheel. No. 1,087,781; Feb. 17; Gaz. vol. 199; p. 862.
- Keller, Henry, Chicago, Ill. Tool for pneumatic hammers. No. 1,088,154; Feb. 24; Gaz. vol. 199; p. 1039.
- Keller, Jeremiah, assignor to Hansen & Zimmers, Chicago, Ill. Eyeletting-machine. No. 1,112,704; Oct. 6; Gaz. vol. 207; p. 105.
- Keller, John M., Cleveland, Ohio. Pinion-housing. No. 1,092,915; Apr. 14; Gaz. vol. 201; p. 307.
- Keller, John R., Pittsburgh, Pa., assignor to The Rail Joint Company, New York, N. Y. Rail-joint. No. 1,089,058; Mar. 3; Gaz. vol. 200; p. 131.
- Keller, John R., Crafton, Pa., assignor to The Rail Joint Company, New York, N. Y. Insulated rail-joint. No. 1,110,291; Sept. 8; Gaz. vol. 206; p. 550.
- Keller & Jost, Graf, *et al.* (See Scholle, Edward, assignor.)
- Keller, Julius, assignor to Harris Typewriter Manufacturing Company, Fond du Lac, Wis. Ribbon mechanism. No. 1,101,633; June 30; Gaz. vol. 203; p. 1308.
- Keller, Karl, and L. Hunkemöller, assignors to Firm of A. Saurer, Arbon, Switzerland. Embroidering-machine. No. 1,089,059; Mar. 3; Gaz. vol. 200; p. 131.
- Keller, Konrad. (See Weissgerber and Keller.)
- Keller, Leo, Los Angeles, Cal., assignor to Automatic Electric Company, Chicago, Ill. Non-interfering extension or party-line telephone system. No. 1,113,649; Oct. 13; Gaz. vol. 207; p. 474.
- Keller, Peter, assignor to J. C. F. Royer, Chicago, Ill. Gas-burner tip. No. 1,095,280; May 5; Gaz. vol. 202; p. 36.
- Keller, Robert, Detroit, Mich. Paste-tube. No. 1,122,006; Dec. 22; Gaz. vol. 209; p. 1203.
- Keller, Traugott F., Brooklyn, N. Y., assignor to The Clements Company. Bolt-anchor. No. 1,116,710; Nov. 10; Gaz. vol. 208; p. 472.
- Keller, Volney P., Malvern, Pa. Excavator. No. 1,094,215; Apr. 21; Gaz. vol. 201; p. 786.
- Keller, William, Decatur, Ill. Switch-frog. No. 1,093,860; Apr. 21; Gaz. vol. 201; p. 667.
- Keller, William F., Minneapolis, Minn. Harrow-tooth fastener. No. 1,108,909; Sept. 1; Gaz. vol. 206; p. 17.
- Keller, William L., Kearney, Nebr. Chicken-feeder. No. 1,112,068; Sept. 29; Gaz. vol. 206; p. 1286.
- Keller, Wood A., Bloomsburg, Pa. Carpet-beater. No. 1,112,293; Sept. 29; Gaz. vol. 206; p. 1365.
- Kellermann, Jacques, Berlin, Germany. Pyrophorous gas-lighter. No. 1,099,447; June 9; Gaz. vol. 203; p. 413.
- Kellet, Isaac D., New York, N. Y. Non-refillable bottle. No. 1,087,122; Feb. 17; Gaz. vol. 199; p. 632.
- Kelley, Albert C., and S. A. Murphy, Gradyville, Ga. Rail-joint. No. 1,108,371; Aug. 25; Gaz. vol. 205; p. 1114.
- Kelley, George B., Evanston, Ill., assignor to The Studebaker Corporation, South Bend, Ind. Advertising apparatus. No. 1,118,904; Nov. 24; Gaz. vol. 208; p. 1316.
- Kelley, George J., Attleboro, Mass. Atomizer. No. 1,090,863; Mar. 24; Gaz. vol. 200; p. 871.
- Kelley, John C., Terre Haute, Ind. Brick-machine. No. 1,106,456; Aug. 11; Gaz. vol. 205; p. 346.
- Kelley, Lawrence E., Leonard, Tex. Cultivator. No. 1,088,705; Mar. 3; Gaz. vol. 200; p. 12.
- Kelley, Robert S., New York, N. Y. Score indicating and recording device. No. 1,090,626; Mar. 17; Gaz. vol. 200; p. 763.
- Kelley, Roy, Minden City, Mich. Igniter trip device for explosion-engines. No. 1,093,191; Apr. 14; Gaz. vol. 201; p. 402.
- Kelley, William J., Central Falls, R. I. Head for humidifying apparatus. No. 1,095,577; May 5; Gaz. vol. 202; p. 138.
- Kelley, William V. D., Newark, N. J. Engine or motor. No. 1,108,182; Aug. 25; Gaz. vol. 205; p. 1047.
- Kellington, John, New Westminster, British Columbia, Canada. Fluid-pressure engine. No. 1,087,240; Feb. 17; Gaz. vol. 199; p. 674.
- Kellner, Josef, Brooklyn, and S. Werms, New Rochelle, assignors to Franklin Knitting Mills, New York, N. Y. Knitted fabric. No. 1,103,589; July 14; Gaz. vol. 204; p. 522.
- Kellner, Louis, New York, N. Y. Electrical socket and receptacle. No. 1,091,226; Mar. 24; Gaz. vol. 200; p. 999.
- Kellner, Walter, Barmen-Wichlinghausen, Germany. Paper-tube-rolling machine. No. 1,106,714; Aug. 11; Gaz. vol. 205; p. 438.

Alphabetical list of patentees—Continued.

- Kellogg, Alfred J., Newberg, Oreg. Compensating truck for railway-cars. No. 1,092,814; Apr. 7; Gaz. vol. 201; p. 237.
- Kellogg, Daniel, *et al.* (See Neville, Harry, assignor.)
- Kellogg, George A. (See Nelson and Kellogg.)
- Kellogg, John H., Battle Creek, Mich. Therapeutic apparatus. No. 1,110,494; Sept. 15; Gaz. vol. 206; p. 662.
- Kellogg, John L. (See Hanford, Orin A., assignor.)
- Kellogg, John L., Battle Creek, Mich. Manufacturing powdered extracts for use in the preparation of beverages and the like. No. 1,097,720; May 26; Gaz. vol. 202; p. 998.
- Kellogg, John L., Battle Creek, Mich. Making confections. No. 1,110,267; Sept. 8; Gaz. vol. 206; p. 541.
- Kellogg, John L., Battle Creek, Mich. Manufacture of beverage extracts. (Reissue.) No. 13,847; Dec. 15; Gaz. vol. 209; p. 1024.
- Kellogg, John L., assignor to Kellogg Toasted Corn Flake Company, Battle Creek, Mich. Apparatus for coating flakes with sugar. No. 1,083,685; Jan. 6; Gaz. vol. 198; p. 141.
- Kellogg, Ray E., Indio, Cal. Gearing. No. 1,094,216; Apr. 21; Gaz. vol. 201; p. 786.
- Kellogg, Ray E., Los Angeles, Cal. Aeroplane-governor. No. 1,097,645; May 26; Gaz. vol. 202; p. 970.
- Kellogg, Robert B. (See Curtiss, Clarence E., assignor.)
- Kellogg Switchboard & Supply Company. (See Carter, Alva J., assignor.)
- Kellogg Switchboard & Supply Company. (See Dean, William W., assignor.)
- Kellogg Switchboard & Supply Company. (See Dyson, Alfred H., assignor.)
- Kellogg Switchboard and Supply Company. (See Edwards, Joseph B., assignor.)
- Kellogg Switchboard and Supply Company. (See Ericson, Lawrence, assignor.)
- Kellogg Switchboard and Supply Company. (See Goldrick, Harry C., assignor.)
- Kellogg Switchboard and Supply Company. (See Hilbish, John E., assignor.)
- Kellogg Switchboard & Supply Company. (See Kaisling, William, assignor.)
- Kellogg Switchboard & Supply Company. (See Launbranch, Malcolm E., assignor.)
- Kellogg Switchboard & Supply Company. (See Mueller, George E., assignor.)
- Kellogg Switchboard & Supply Company. (See Schoenwolf, Fred, assignor.)
- Kellogg Switchboard and Supply Company. (See Simpson, Charles A., assignor.)
- Kellogg Switchboard and Supply Company. (See Utter, Richard I., assignor.)
- Kellogg Switchboard and Supply Company. (See Weiss, Alfred H., assignor.)
- Kellogg Switchboard and Supply Company. (See Winston, Charles S., assignor.)
- Kellogg Toasted Corn Flake Co., The. (See Valentine, Ralph E., assignor.)
- Kellogg Toasted Corn Flake Company. (See Kellogg, John L., assignor.)
- Kells, Charles E., New Orleans, La. Surgically cleansing wounds and other surfaces. No. 1,114,268; Oct. 20; Gaz. vol. 207; p. 732.
- Kells, Charles E., New Orleans, La. Syringe. No. 1,116,825; Nov. 10; Gaz. vol. 208; p. 513.
- Kells, Charles E., Jr., New Orleans, La. Engine-starter. No. 1,086,773; Feb. 10; Gaz. vol. 199; p. 463.
- Kelly, Albert F., assignor of one-third to P. Goodes and one-third to W. Shasberger, Toledo, Ohio. Overshoe. No. 1,106,568; Aug. 11; Gaz. vol. 205; p. 388.
- Kelly, Allen R., *et al.* (See Tripp, Benjamin D., assignor.)
- Kelly, Charles F., Philadelphia, Pa. Railway-crossing. No. 1,093,784; Apr. 21; Gaz. vol. 201; p. 640.
- Kelly, Crosby E., Griffin Corners, N. Y. Snap-hook. No. 1,093,630; Apr. 21; Gaz. vol. 201; p. 589.
- Kelly, Edward C., Jr., assignor to Kelly Separator Company, Boston, Mass. Separator-trap. No. 1,085,135; Jan. 27; Gaz. vol. 198; p. 721.
- Kelly, Edward C., Jr., assignor to Kelly Separator Company, Boston, Mass. Separator-trap. No. 1,123,128; Dec. 29; Gaz. vol. 209; p. 1630.
- Kelly, Edwin W. (See Snook and Kelly.)
- Kelly, Eugene J., Washington, D. C. Repair-coupling. No. 1,110,632; Sept. 15; Gaz. vol. 206; p. 711.
- Kelly, George, Hinsdale, Ill. Vehicle-tire. No. 1,096,842; May 19; Gaz. vol. 202; p. 646.
- Kelly, George T., Chicago, Ill. Electric sign. No. 1,090,989; Mar. 24; Gaz. vol. 200; p. 915.
- Kelly, George W., Chicago, Ill. Union suit. No. 1,106,310; Aug. 4; Gaz. vol. 205; p. 250.
- Kelly, Henry D., Kansas City, Mo. Cooling-urn. No. 1,087,241; Feb. 17; Gaz. vol. 199; p. 675.
- Kelly, Henry D., Kansas City, Mo. Spray-header for boilers. No. 1,087,242; Feb. 17; Gaz. vol. 199; p. 676.
- Kelly, Henry D., Kansas City, Mo. Dispensing-urn. No. 1,092,997; Apr. 14; Gaz. vol. 201; p. 334.
- Kelly, John, Chicago, Ill. Valve. No. 1,111,390; Sept. 22; Gaz. vol. 206; p. 1017.
- Kelly, John, Chicago, Ill. Demountable wheel. No. 1,118,495; Nov. 24; Gaz. vol. 208; p. 1178.
- Kelly, John, Jamaica Plain, Mass. Sewer-cleaning device. No. 1,117,192; Nov. 17; Gaz. vol. 208; p. 680.
- Kelly, John A., Philadelphia, Pa. Making patent-leather shoes. No. 1,115,680; Nov. 3; Gaz. vol. 208; p. 73.
- Kelly, John B., assignor of one-half to J. Saks, Anniston, Ala. Holding and operating means. No. 1,089,226; Mar. 3; Gaz. vol. 200; p. 190.
- Kelly, John C. (See Whitwell and Kelly.)
- Kelly, John F., Pittsfield, Mass. Musical accenting device. No. 1,086,537; Feb. 10; Gaz. vol. 199; p. 379.
- Kelly, John F., Pittsfield, Mass. Electric generator. No. 1,088,781; Mar. 3; Gaz. vol. 200; p. 37.
- Kelly, John F., Pittsfield, Mass. Shield for circuit-closers. No. 1,100,485; June 16; Gaz. vol. 203; p. 807.
- Kelly, John F., Pittsfield, Mass. Expression-controlling means for musical instruments. No. 1,103,590; July 14; Gaz. vol. 204; p. 523.
- Kelly, John F., Pittsfield, Mass. Playing apparatus for musical instruments. No. 1,106,819; Aug. 11; Gaz. vol. 205; p. 475.
- Kelly, John F., Pittsfield, Mass. Locking device for electrically-operated pianos. No. 1,112,143; Sept. 29; Gaz. vol. 206; p. 1312.
- Kelly, John H., San Francisco, Cal. Pulverizing-mill. No. 1,083,283; Jan. 6; Gaz. vol. 198; p. 8.
- Kelly, Peter H. (See Condon, Joseph E., assignor.)
- Kelly, Peter H., Clinton, Iowa, assignor to Lovell Manufacturing Company, Erie, Pa. Clothes-wringer. No. 1,100,830; June 23; Gaz. vol. 203; p. 978.
- Kelly, Ray, Knobnoster, Mo. Rotary engine. No. 1,093,861; Apr. 21; Gaz. vol. 201; p. 667.
- Kelly, Ray, Knobnoster, Mo. Gas-engine. No. 1,108,372; Aug. 25; Gaz. vol. 205; p. 1115.
- Kelly, Ray, and E. F. Sibert, Knobnoster, Mo. Ensilage-machine. No. 1,108,373; Aug. 25; Gaz. vol. 205; p. 1115.
- Kelly, Richard J., Syracuse, N. Y. Bed-spring. No. 1,088,996; Mar. 3; Gaz. vol. 200; p. 111.
- Kelly, Samuel L. (See Cooper, Charles G., assignor.)
- Kelly Separator Company. (See Kelly, Edward C., Jr., assignor.)
- Kelly-Springfield Tire Company. (See Ernenwein, Phillip J., assignor.)
- Kelly, Thomas H., New York, N. Y. Traction device for vehicle-wheels. No. 1,102,274; July 7; Gaz. vol. 204; p. 18.
- Kelly, Thomas J., Denver, Colo. Railway signaling device. No. 1,094,217; Apr. 21; Gaz. vol. 201; p. 786.
- Kelly, Wallace C., Hastings, Mich. Mechanical movement. No. 1,119,965; Dec. 8; Gaz. vol. 209; p. 401.
- Kelly, William, Memphis, Tenn. Smoke-consumer. No. 1,083,540; Jan. 6; Gaz. vol. 198; p. 93.
- Kelly, William, assignor to Maxwell Motor Company, Incorporated, Detroit, Mich. Starter for gas-engines. No. 1,120,205; Dec. 8; Gaz. vol. 209; p. 487.
- Kelly, William D., assignor to Kelbur Manufacturing Company, Chicago, Ill. Mortising and tenoning machine. No. 1,083,366; Jan. 6; Gaz. vol. 198; p. 35.
- Kelly, William G. (See Conrad and Kelly.)
- Kelly, William H., Waynesboro, Va. Starting device for explosive-engines. No. 1,122,601; Dec. 29; Gaz. vol. 209; p. 1444.
- Kelly, William J., assignor to Curtis & Jones Co., Reading, Pa. Making footwear. No. 1,113,562; Oct. 13; Gaz. vol. 207; p. 445.
- Kelly, William J., Chicago, Ill., assignor to Autovacuum Refrigerating Company, New Orleans, La. Refrigeration. No. 1,122,602; Dec. 29; Gaz. vol. 209; p. 1444.
- Kelly, William J., Chicago, Ill., assignor to Autovacuum Refrigerating Company, New Orleans, La. Refrigerating apparatus. No. 1,122,603; Dec. 29; Gaz. vol. 209; p. 1445.
- Kelly, William M., Brooklyn, N. Y. Type-distributing machine. No. 1,097,331; May 19; Gaz. vol. 202; p. 820.
- Kelly, William M., New York, N. Y. Paper-fastener. No. 1,097,332; May 19; Gaz. vol. 202; p. 820.
- Kelly, William M., New York, N. Y., assignor to American Type Founders Company, Jersey City, N. J. Printing-press. No. 1,092,998; Apr. 14; Gaz. vol. 201; p. 334.
- Kelly, William M., New York, N. Y., assignor to American Type Founders Company, Jersey City, N. J. Printing-press. No. 1,096,036; May 12; Gaz. vol. 202; p. 329.
- Kelm, Samuel H., Salem, Ill. Air-drying apparatus. No. 1,098,506; June 2; Gaz. vol. 203; p. 52.
- Kelsey, Aaron T., St. Charles, Minn. Motor-driven rural mail-car. No. 1,115,207; Oct. 27; Gaz. vol. 207; p. 1118.
- Kelsey, Cadwallader W., Hartford, Conn. Motor-vehicle suspension. No. 1,121,256; Dec. 15; Gaz. vol. 209; p. 905.
- Kelsey, Duane J. (See Underhill and Kelsey.)
- Kelsey, Samuel M., Cleveland, Ohio. Hame and trace connector. No. 1,118,356; Nov. 24; Gaz. vol. 208; p. 1127.
- Kelsey, Sidney E., Kansas City, Mo. Still or retort. No. 1,092,366; Apr. 7; Gaz. vol. 201; p. 84.
- Kelsey, William A., Minneapolis, Minn. Tool-holder. No. 1,113,650; Oct. 13; Gaz. vol. 207; p. 474.
- Kelso, Joseph, assignor to McConway & Torley Company, Pittsburgh, Pa. Car-coupling. No. 1,095,462; May 5; Gaz. vol. 202; p. 99.

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- Kelso, Joseph and W., assignors to McConway & Torley Company, Pittsburgh, Pa. Car-coupling. No. 1,094,721; Apr. 28; Gaz. vol. 201; p. 1021.
- Kelso, Nyla Q., assignor of one-half to J. D. Wynn, Tulsa, Okla. Brooder. No. 1,110,941; Sept. 15; Gaz. vol. 206; p. 819.
- Kelso, Walter C., Bellevue, Iowa. Load-binder. No. 1,085,268; Jan. 27; Gaz. vol. 198; p. 768.
- Kelso, William. (See Kelso, Joseph and W.)
- Kelso, William, assignor to McConway & Torley Company, Pittsburgh, Pa. Car-coupling. No. 1,088,590; Feb. 24; Gaz. vol. 199; p. 1182.
- Kelting Electric Company. (See Scholl, George J., assignor.)
- Keltner, Halbert E., *et al.* (See Stillman, John C., assignor.)
- Keltonik, Stephen, Conemaugh, Pa. Animal-trap. No. 1,115,681; Nov. 3; Gaz. vol. 208; p. 73.
- Kemmer, Adolph P. (See Anderson and Kemmer.)
- Kemmerich, Wilhelm E., Mülheim-on-the-Rhine, Germany. Stabilized oxidizing agent. No. 1,101,449; June 23; Gaz. vol. 203; p. 1192.
- Kemp, John H. O., Charles Town, W. Va. Fruit-grader. No. 1,103,970; July 21; Gaz. vol. 204; p. 696.
- Kemp, Oliver C., Chicago, Ill. Knockdown or collapsible stove. No. 1,094,151; Apr. 21; Gaz. vol. 201; p. 764.
- Kemp, Walter E., assignor of one-half to J. H. Elliott, Sault Ste. Marie, Mich. Washing-machine. No. 1,097,445; May 19; Gaz. vol. 202; p. 858.
- Kemp, William W., and W. H. Van Horn, Baltimore, Md. Blow-off valve. No. 1,087,782; Feb. 17; Gaz. vol. 199; p. 863.
- Kemper, Charles M., Kansas City, Mo. Grain-door for railway-cars. No. 1,096,037; May 12; Gaz. vol. 202; p. 330.
- Kemper, Charles W. (See Kemper, John T. and C. W.)
- Kemper, John T. and C. W., assignors of one-third to E. A. Turner, Garberville, Cal. Oscillating gas-engine. No. 1,094,794; Apr. 28; Gaz. vol. 201; p. 1045.
- Kemper, Leo N. (See Barton and Henson, assignors.)
- Kemper-Thomas Company, The. (See Henderson, Edwin L., assignor.)
- Kempf, Henry J., Springfield, Mass., assignor, by mesne assignments, to Package Machinery Company. Gum-wrapping machine. No. 1,092,149; Apr. 7; Gaz. vol. 201; p. 8.
- Kempf, John W., Shickley, Nebr. Collapsible concrete-culvert form. No. 1,097,234; May 19; Gaz. vol. 202; p. 786.
- Kempien, August J., St. Paul, Minn. Game apparatus. No. 1,102,054; June 30; Gaz. vol. 203; p. 1456.
- Kempner, Adolph W., New York, N. Y. Register. No. 1,110,942; Sept. 15; Gaz. vol. 206; p. 819.
- Kempner, Stanislaus. (See Regnery and Kempner.)
- Kempshall, Eleazer, Providence, R. I., assignor to Roll Fabric Company. Drawing-roll. No. 1,092,775; Apr. 7; Gaz. vol. 201; p. 223.
- Kempshall, Eleazer, London, England, assignor to United Fast Color Eyelet Company, Portland, Me. Forming and inserting eyelets and the like. No. 1,122,280; Dec. 29; Gaz. vol. 209; p. 1335.
- Kempsmith Manufacturing Co., The. (See Goetz, John, assignor.)
- Kempsmith Manufacturing Co., The. (See Goetz, Buxbaum, and Parsons, assignors.)
- Kempster, Perry W., Prophetstown, Ill. Automobile-radiator. No. 1,101,634; June 30; Gaz. vol. 203; p. 1309.
- Kempton, Ewing L., Muscatine, Iowa. Internal-combustion engine. No. 1,122,127; Dec. 22; Gaz. vol. 209; p. 1242.
- Kempton, Herbert E., Cambridge, Mass., assignor to Marine Producer Gas Power Company, New York, N. Y. Fuel-feeding means for internal-combustion engines. No. 1,092,109; Mar. 31; Gaz. vol. 200; p. 1340.
- Kempton, Willard H., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley-wire splice. No. 1,100,744; June 23; Gaz. vol. 203; p. 948.
- Kempton, Willard H., assignor to The Ohio Brass Company, Mansfield, Ohio. Automatic section-insulator. No. 1,111,468; Sept. 22; Gaz. vol. 206; p. 1043.
- Kendall, Edward D., Elizabeth, N. J., assignor of twenty-two one-hundredths to D. Q. Brown, New York, and one-third to A. R. Ledoux, Cornwall, N. Y. Composition of matter. No. 1,103,903; July 14; Gaz. vol. 204; p. 631.
- Kendall, Edward D., Elizabeth, N. J., assignor of one-third to D. Q. Brown, New York, and one-third to A. R. Ledoux, Cornwall, N. Y. Composition of matter. No. 1,105,568; July 28; Gaz. vol. 204; p. 1300.
- Kendall, Edward D., Elizabeth, N. J., assignor of one-half to C. N. Lindley and one-fourth to J. B. Haggin, New York, N. Y. Apparatus for carbureting air. No. 1,104,427; July 21; Gaz. vol. 204; p. 852.
- Kendall, Edward P., Bowdoinham, Me. Bag-deflector. No. 1,112,914; Oct. 6; Gaz. vol. 207; p. 175.
- Kendall, Edward P., Bowdoinham, Me. Scale attachment. No. 1,114,004; Oct. 20; Gaz. vol. 207; p. 638.
- Kendall, John S., Hamilton, Ontario, Canada. Rotating sign. No. 1,106,148; Aug. 4; Gaz. vol. 205; p. 197.
- Kendall, Lemuel C., Malden, assignor to S. A. Woods Machine Company, Boston, Mass. Match-head. No. 1,099,880; June 9; Gaz. vol. 203; p. 561.
- Kendall, Myron A., Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Bucket conveyer. No. 1,090,156; Mar. 17; Gaz. vol. 200; p. 598.
- Kendall, Reginald W., Terre Haute, Ind. Platform-steps for railway passenger-cars. No. 1,102,342; July 7; Gaz. vol. 204; p. 42.
- Kendall, William F., Valley Cottage, assignor to Sears Cross & Co., New York, N. Y. Compensating driving mechanism. No. 1,103,778; July 14; Gaz. vol. 204; p. 589.
- Kendall, William G., Newark, N. J. Top for receptacles. No. 1,097,980; May 26; Gaz. vol. 202; p. 1092.
- Kendall, William G., Newark, N. J., assignor of one-half to F. S. Mason, New York, N. Y. Top for receptacles. No. 1,084,280; Jan. 13; Gaz. vol. 198; p. 369.
- Kendall, William G., and C. Schonert, Newark, N. J. Automatic fountain. No. 1,110,943; Sept. 15; Gaz. vol. 206; p. 820.
- Kendall, William R., assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Insertible saw-tooth. No. 1,095,883; May 5; Gaz. vol. 202; p. 241.
- Kendig, Julian H., Pittsburgh, Pa. Puzzle. No. 1,117,580; Nov. 17; Gaz. vol. 208; p. 816.
- Kendig, Julian H., Pittsburgh, Pa., assignor to Buda Company, Chicago, Ill. Switch-latch. No. 1,087,297; Feb. 17; Gaz. vol. 199; p. 694.
- Kendig, Roscoe B., Port Chester, N. Y. Car-truck. No. 1,086,672; Feb. 10; Gaz. vol. 199; p. 427.
- Kendrick, Arthur B., East Orange, N. J. Jock-strap. No. 1,092,488; Apr. 7; Gaz. vol. 201; p. 127.
- Kendrick, Karl A., Detroit, Mich. Pump-governor. No. 1,108,183; Aug. 25; Gaz. vol. 205; p. 1048.
- Keneder, Philipp, assignor to E. Zentz, Munich, Germany. Machine for abrading and polishing of floors. No. 1,121,373; Dec. 15; Gaz. vol. 209; p. 944.
- Kenkel, John E., Great Falls, Mont. Holder and delivery device. No. 1,121,509; Dec. 15; Gaz. vol. 209; p. 991.
- Kenly, Wilmer F., assignor to The Glen Rock Stamping Company, Glen Rock, Pa. Fountain for fowls. No. 1,093,335; Apr. 14; Gaz. vol. 201; p. 451.
- Kennard, Frederic H. (See Coughlin, Michael F., assignor.)
- Kennard, Frederic H. (See Coughlin and Swett, assignors.)
- Kennedy, Charles A., Coaticook, Quebec, Canada. Furnace-casing. No. 1,089,843; Mar. 10; Gaz. vol. 200; p. 448.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,088,428; Feb. 24; Gaz. vol. 199; p. 1131.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,091,347; Mar. 24; Gaz. vol. 200; p. 1036.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,092,150; Apr. 7; Gaz. vol. 201; p. 9.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,097,130; May 19; Gaz. vol. 202; p. 749.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,099,448; June 9; Gaz. vol. 203; p. 413.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,099,503; June 9; Gaz. vol. 203; p. 432.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,103,051; July 14; Gaz. vol. 204; p. 335.
- Kennedy, David S., New York, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,104,512; July 21; Gaz. vol. 204; p. 883.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,105,667; Aug. 4; Gaz. vol. 205; p. 28.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,106,715; Aug. 11; Gaz. vol. 205; p. 438.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,109,683; Sept. 8; Gaz. vol. 206; p. 333.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,109,845; Sept. 8; Gaz. vol. 206; p. 390.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,115,208; Oct. 27; Gaz. vol. 207; p. 1118.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,115,209; Oct. 27; Gaz. vol. 207; p. 1119.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,115,210; Oct. 27; Gaz. vol. 207; p. 1119.
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- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,119,518; Dec. 1; Gaz. vol. 209; p. 214.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,122,604; Dec. 29; Gaz. vol. 209; p. 1445.
- Kennedy, Edward J., New York, N. Y. Mechanism for electrically controlling and operating fare-registers and other devices. No. 1,090,215; Mar. 17; Gaz. vol. 200; p. 618.
- Kennedy, Edwin J. (See Ruckle and Kennedy.)
- Kennedy, Frances X., Philadelphia, Pa. Game apparatus. No. 1,087,587; Feb. 17; Gaz. vol. 199; p. 795.
- Kennedy, Frank M., assignor to Kennedy Novelty Company, New Hartford, N. Y. Cord-guiding attachment for buttonhole-sewing machines. No. 1,087,298; Feb. 17; Gaz. vol. 199; p. 694.
- Kennedy, Harold H., assignor to The Waverley Company, Indianapolis, Ind. Four-seated vehicle. No. 1,087,540; Feb. 17; Gaz. vol. 199; p. 779.
- Kennedy, Harold H., assignor to Waverley Company, Indianapolis, Ind. Automobile-drive. No. 1,093,631; Apr. 21; Gaz. vol. 201; p. 590.
- Kennedy, Harold H., and T. J. Gibbons, assignors to The Waverley Company, Indianapolis, Ind. Folding corner-seat. No. 1,099,253; June 9; Gaz. vol. 203; p. 346.
- Kennedy, Homer R. (See Hawks and Kennedy.)
- Kennedy, James E., Washington, D. C. Stove-top-supporting device. No. 1,092,916; Apr. 14; Gaz. vol. 201; p. 307.
- Kennedy, James E., Washington, D. C. Pilot-burner. No. 1,122,944; Dec. 29; Gaz. vol. 209; p. 1565.
- Kennedy, James J., Fishkill-on-the-Hudson, N. Y. Feed-guide for type-writer ribbons. No. 1,100,135; June 16; Gaz. vol. 203; p. 687.
- Kennedy, John C. (See Smith, Samuel D., assignor.)
- Kennedy, John H. (See Heimlich, Edward C., assignor.)
- Kennedy, John J., New York, N. Y. Shoring excavations. No. 1,105,145; July 28; Gaz. vol. 204; p. 1149.
- Kennedy, Joseph, assignor to The Clements Co., New York, N. Y. Wall-socket. No. 1,087,299; Feb. 17; Gaz. vol. 199; p. 695.
- Kennedy, Joseph, New York, N. Y., assignor to The Clements Company. Expansion-anchor. No. 1,100,185; June 16; Gaz. vol. 203; p. 704.
- Kennedy, Joseph, New York, N. Y., assignor to The Clements Company. Expansion-anchor. No. 1,100,661; June 16; Gaz. vol. 203; p. 864.
- Kennedy, Joseph, New York, N. Y., assignor to The Clements Company. Expansion bolt-anchor. No. 1,112,069; Sept. 29; Gaz. vol. 206; p. 1287.
- Kennedy, Joseph, New York, N. Y., assignor to The Clements Company. Expansion-bolt. No. 1,112,417; Sept. 29; Gaz. vol. 206; p. 1410.
- Kennedy, Joseph E., New York, N. Y. Crushing and pulverizing machine. No. 1,085,867; Feb. 3; Gaz. vol. 199; p. 102.
- Kennedy, Joseph E., New York, N. Y. Crushing and pulverizing machine. No. 1,090,216; Mar. 17; Gaz. vol. 200; p. 619.
- Kennedy, Joseph E., New York, N. Y. Crushing and pulverizing machine. No. 1,115,833; Nov. 3; Gaz. vol. 208; p. 124.
- Kennedy, Julian, Pittsburgh, Pa. Rolling-mill. No. 1,094,218; Apr. 21; Gaz. vol. 201; p. 787.
- Kennedy, Julian, Pittsburgh, Pa. Mill-table. No. 1,094,219; Apr. 21; Gaz. vol. 201; p. 787.
- Kennedy, Julian, Pittsburgh, Pa. Gear-drive for three-high rolling-mills. No. 1,112,218; Sept. 29; Gaz. vol. 206; p. 1340.
- Kennedy, Julian, Pittsburgh, Pa. Shaft-coupling. No. 1,112,219; Sept. 29; Gaz. vol. 206; p. 1340.
- Kennedy, Julian, Pittsburgh, Pa. Driving mechanism for rolling-mills. No. 1,112,220; Sept. 29; Gaz. vol. 206; p. 1340.
- Kennedy, Luther L., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,088,706; Mar. 3; Gaz. vol. 200; p. 13.
- Kennedy, Luther L., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,115,212; Oct. 27; Gaz. vol. 207; p. 1120.
- Kennedy, Mary J., *et al.* (See Lee, Arthur R., assignor.)
- Kennedy, Matthew G., assignor to The States Company, Syracuse, N. Y. Conductor-clamp. No. 1,101,802; June 30; Gaz. vol. 203; p. 1366.
- Kennedy Novelty Company. (See Kennedy, Frank M., assignor.)
- Kennedy, Rolley R., Mansfield, Ohio. Horseshoe-calk remover. No. 1,094,576; Apr. 28; Gaz. vol. 201; p. 967.
- Kennedy, Thomas J., Stockton, Cal. Draft-equalizer for tubular boilers. No. 1,105,798; Aug. 4; Gaz. vol. 205; p. 74.
- Kennedy, Walter S., Duluth, Minn. Harness. No. 1,094,337; Apr. 21; Gaz. vol. 201; p. 822.
- Kennedy, William J., St. Louis, Mo. Device for retaining books in covers. No. 1,089,769; Mar. 10; Gaz. vol. 200; p. 423.
- Kennell, Henry, New York, N. Y. Safety bottle-holder. No. 1,106,457; Aug. 11; Gaz. vol. 205; p. 346.
- Kennelly, Michael T., Omaha, Nebr. Reel for clothes-lines. No. 1,121,821; Dec. 15; Gaz. vol. 209; p. 752.
- Kenney, Andrew E., North Plainfield, N. J. Valve. No. 1,088,822; Mar. 3; Gaz. vol. 200; p. 51.
- Kenney, Edward F., Westmont borough, Pa. Rail-joint. No. 1,114,005; Oct. 20; Gaz. vol. 207; p. 638.
- Kenney, Edward F., Westmont borough, Pa. Brake-beam. No. 1,116,439; Nov. 10; Gaz. vol. 208; p. 372.
- Kenney, Frank R., Cambridge, Mass. Clasp. No. 1,102,055; June 30; Gaz. vol. 203; p. 1457.
- Kenney, Martin S., and J. C. Holzhauser, New Orleans, La. Material for use in making a beverage and making said material. No. 1,117,855; Nov. 17; Gaz. vol. 208; p. 914.
- Kenney, Owen E. (See Chapman and Kenney.)
- Kenney, William J., Wilmette, assignor to Underfeed Stoker Company of America, Chicago, Ill. Furnace. No. 1,114,269; Oct. 20; Gaz. vol. 207; p. 733.
- Kenney, William J., and H. P. Grohn, assignors to Underfeed Stoker Company of America, Chicago, Ill. Controlling mechanism for stokers. No. 1,087,952; Feb. 24; Gaz. vol. 199; p. 968.
- Kenney, William J., Wilmette, and H. P. Grohn, assignors to Under-Feed Stoker Company of America, Chicago, Ill. Valve mechanism. No. 1,095,281; May 5; Gaz. vol. 202; p. 37.
- Kennicott, Cass L., Chicago Heights, Ill. Water-treating apparatus. No. 1,114,146; Oct. 20; Gaz. vol. 207; p. 688.
- Kennon, Charles W., assignor to Kennon Cinder Guard Co., Incorporated, Tampa, Fla. Guard for car-windows. No. 1,114,365; Oct. 20; Gaz. vol. 207; p. 765.
- Kennon Cinder Guard Co. (See Kennon, Charles W., assignor.)
- Kenny, Edmond. (See Banzett and Kenny.)
- Kenny, Edmond, New Brighton, assignor to Mercantile Corporation, New York, N. Y. Rotary cutter-head. No. 1,087,953; Feb. 24; Gaz. vol. 199; p. 968.
- Kenny, Edmond, New Brighton, assignor to Mercantile Corporation, New York, N. Y. Rotary cutter. No. 1,111,751; Sept. 29; Gaz. vol. 206; p. 1177.
- Kenny, Luther T., Hawarden, Iowa. Concrete-molding machine. No. 1,095,216; May 5; Gaz. vol. 202; p. 15.
- Kenoyer, Edmund L., Selma, Cal. Resilient wheel. No. 1,119,830; Dec. 8; Gaz. vol. 209; p. 355.
- Kensit, Henry E. M., Ottawa, Ontario, Canada. Automatic reminder. No. 1,089,712; Mar. 10; Gaz. vol. 200; p. 404.
- Kent, Arthur A. (See McQuown, Thomas H., assignor.)
- Kent, Arthur A., Philadelphia, Pa. Circuit-controller. No. 1,096,109; May 12; Gaz. vol. 202; p. 354.
- Kent, Arthur A., Philadelphia, Pa. Electric contact device. No. 1,099,093; June 2; Gaz. vol. 203; p. 246.
- Kent, Bert M., *et al.* (See Kent, Eugene M., assignor.)
- Kent, Bert M., Washington, D. C., assignor of one-third to F. T. Kent and one-third to G. E. Kent, Rome, N. Y. Detachable coupling. No. 1,117,856; Nov. 17; Gaz. vol. 208; p. 914.
- Kent, Eugene M., assignor of one-third to F. T. Kent, one-third to G. E. Kent, Rome, N. Y., and one-third to B. M. Kent, Washington, D. C. Vacuum cleaning-tool. No. 1,099,141; June 2; Gaz. vol. 203; p. 262.
- Kent, Everett E., Newton, Mass. Safety device for turn-stiles. No. 1,093,935; Apr. 21; Gaz. vol. 201; p. 692.
- Kent, Fay T., *et al.* (See Kent, Bert M., assignor.)
- Kent, Fay T., *et al.* (See Kent, Eugene M., assignor.)
- Kent, Gordon E., *et al.* (See Kent, Bert M., assignor.)
- Kent, Gordon E., *et al.* (See Kent, Eugene M., assignor.)
- Kent, James A., Boston, Mass. Self-holding tread or mat. No. 1,113,355; Oct. 13; Gaz. vol. 207; p. 372.
- Kent, Jephtha B., Muscatine, Iowa. Seam-ripper. No. 1,098,578; June 2; Gaz. vol. 203; p. 78.
- Kent-Johnston, Arthur G., Balham, London, England. Gas lighting and extinguishing apparatus. No. 1,107,962; Aug. 18; Gaz. vol. 205; p. 922.
- Kent, Otis B., and C. W. Waters, assignors of one-third to C. F. Forsyth, Washington, D. C. Train-pipe coupling. No. 1,112,144; Sept. 29; Gaz. vol. 206; p. 1312.
- Kent, Samuel R., High Springs, Fla. Steam-boiler plug. No. 1,093,434; Apr. 14; Gaz. vol. 201; p. 483.
- Kent, Victor E., assignor of one-third to J. A. Martin and one-third to R. F. Brewer, Johnson City, Tenn. Cattle-guard. No. 1,102,056; June 30; Gaz. vol. 203; p. 1457.
- Kent, Victor E., and J. A. Martin, Johnson City, Tenn. Cattle-guard. No. 1,102,057; June 30; Gaz. vol. 203; p. 1457.
- Kent, W. H. (See Frangopolu, Constantine C., assignor.)
- Kent, William, trustee. (See Browne, Carl D., assignor.)
- Kent, William J., New York, N. Y., assignor to Revere Rubber Company, Chelsea, Mass. Rubber-tired wheel. No. 1,115,548; Nov. 3; Gaz. vol. 208; p. 28.
- Kenvin, Thomas H., Gary, Ind. Regenerator construction. No. 1,104,513; July 21; Gaz. vol. 204; p. 883.
- Kenward, William R., Axtel, Kans. Husking-machine. No. 1,118,936; Dec. 1; Gaz. vol. 209; p. 11.
- Kenworthy, Charles A., Tenino, Wash. Combination-square. No. 1,107,077; Aug. 11; Gaz. vol. 205; p. 562.
- Kenworthy, Harry O., Mountain View, Cal. Can opener and seal. No. 1,117,054; Nov. 10; Gaz. vol. 208; p. 591.

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- Keny, William L., Marion, assignor to The Jaeger Machine Company, Columbus, Ohio. Hydraulic cement-block-making machine. (Reissue.) No. 13,803; Sept. 22; Gaz. vol. 206; p. 1136.
- Kenyon, Alan D., New York, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Computing-machine. No. 1,118,135; Nov. 24; Gaz. vol. 208; p. 1050.
- Kenyon, Jabez, Hugo, Colo. Safety-stirrup. No. 1,089,227; Mar. 3; Gaz. vol. 200; p. 190.
- Kenyon, John W., Chenango Forks, N. Y. Corn-popper. No. 1,100,745; June 23; Gaz. vol. 203; p. 948.
- Kenyon, Roy L., Waukesha, Wis. Knockdown frame for portable buildings. No. 1,083,404; Jan. 6; Gaz. vol. 198; p. 49.
- Keogh, Edward S., Freeport, N. Y. Electric-lamp mount. No. 1,112,624; Oct. 6; Gaz. vol. 207; p. 76.
- Keogh, William F. (See Breitenbach, Louis H., assignor.)
- Kephart, John A., Wellston, Okla. Insulator attachment. No. 1,105,521; July 28; Gaz. vol. 204; p. 1284.
- Kepko, Jahn. (See Liska and Kepko.)
- Kepko, Jahn, assignor of one-half to J. Kovac, Natrona, Pa. Expandable bed. No. 1,101,288; June 23; Gaz. vol. 203; p. 1137.
- Kepler, Andrew, Berwyn, Nebr. Corn-harvester. No. 1,091,747; Mar. 31; Gaz. vol. 200; p. 1217.
- Kepler, Irwin F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic bulb. No. 1,088,663; Feb. 24; Gaz. vol. 199; p. 1207.
- Kepler, Irwin F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tank bulb or valve. No. 1,112,294; Sept. 29; Gaz. vol. 206; p. 1366.
- Kepler, Walter, Allenville, Ill. Electrical signal apparatus. No. 1,085,433; Jan. 27; Gaz. vol. 198; p. 824.
- Keplinger, George B., assignor to Kyle Bottle Washing Machine Company, Chicago, Ill. Bottle-washing machine. No. 1,098,907; June 2; Gaz. vol. 203; p. 187.
- Kepner, Roy, St. Elmo, Ill. Torpedo-setting device. No. 1,095,000; Apr. 28; Gaz. vol. 201; p. 1117.
- Keppel, Jesse, St. Louis, Mo. Air-pump and valve therefor. No. 1,111,906; Sept. 29; Gaz. vol. 206; p. 1235.
- Keppeler, Adolph, Butte, Mont. Drink-mixing device. No. 1,119,168; Dec. 1; Gaz. vol. 209; p. 94.
- Kepple, Nicholas J., Buffalo, N. Y. Valve. No. 1,096,431; May 12; Gaz. vol. 202; p. 464.
- Kepple, Roy C., Gosserhill, Pa. Dumb-bell. No. 1,119,169; Dec. 1; Gaz. vol. 209; p. 94.
- Keppler, Fred J., Luckey, Ohio. Flying-machine. No. 1,119,170; Dec. 1; Gaz. vol. 209; p. 94.
- Kerbaugh, Arthur L., Allentown, Pa. Valve. No. 1,087,021; Feb. 10; Gaz. vol. 199; p. 546.
- Kerbel, Lambert, Spencer, Nebr. Self-feeder for threshing-machines. No. 1,116,294; Nov. 3; Gaz. vol. 208; p. 281.
- Kerby, Marshall A., Florence, Ala. Folding crate. No. 1,110,060; Sept. 8; Gaz. vol. 206; p. 466.
- Kermode, John J., Liverpool, England. Burner for liquid fuel. No. 1,097,235; May 19; Gaz. vol. 202; p. 786.
- Kern, Charles, St. Louis, Mo. Conveyer. No. 1,096,509; May 12; Gaz. vol. 202; p. 491.
- Kern, Emil, Irvington, N. J. Window-shade attachment. No. 1,114,485; Oct. 20; Gaz. vol. 207; p. 811.
- Kern, George, Peru, Ill., assignor to Western Clock Co. Clock. No. 1,086,719; Feb. 10; Gaz. vol. 199; p. 443.
- Kern, George, Peru, assignor to Western Clock Company, La Salle, Ill. Alarm-clock. No. 1,089,648; Mar. 10; Gaz. vol. 200; p. 382.
- Kern, George, Peru, assignor to Western Clock Co., La Salle, Ill. Automatic set for alarm-clocks. No. 1,096,542; May 12; Gaz. vol. 202; p. 501.
- Kernan, Daniel. (See Davis, John M., assignor.)
- Kernan, Thomas, East St. Cloud, Minn. Signaling device for party-line telephones. No. 1,090,627; Mar. 17; Gaz. vol. 200; p. 763.
- Kernen, Clifford F., Cincinnati, Ohio. Tire for automobiles. No. 1,107,672; Aug. 18; Gaz. vol. 205; p. 824.
- Kerner, Daniel R., and F. C. Ferrell, Zanesville, Ohio. Screen for dry-pans. No. 1,112,806; Oct. 6; Gaz. vol. 207; p. 138.
- Kerner Manufacturing Company. (See Dodds, Ethan I., assignor.)
- Kerner, Theodore, Milwaukee, Wis. Garbage and refuse incinerator. No. 1,108,184; Aug. 25; Gaz. vol. 205; p. 1048.
- Kerns, Edward J., Worcester, Mass. Oar. No. 1,107,169; Aug. 11; Gaz. vol. 205; p. 597.
- Kerns, Francis T., Behler, W. Va. Bull-wheel. No. 1,102,154; June 30; Gaz. vol. 203; p. 1490.
- Kerpely, Anton von, Vienna, Austria-Hungary. Gas-producer. No. 1,114,072; Oct. 20; Gaz. vol. 207; p. 651.
- Kerr Adjustable Strap Co. (See Kerr, John W., assignor.) (Reissue.)
- Kerr, Alexander R., Sioux City, Iowa. Ash-sifter. No. 1,085,434; Jan. 27; Gaz. vol. 198; p. 824.
- Kerr, Andrew, Belfast, Ireland. Means for controlling the supply of motive fluid to marine engines. No. 1,091,227; Mar. 24; Gaz. vol. 200; p. 1000.
- Kerr, Charles V., Wellsville, N. Y. Self-oiling bearing. No. 1,101,191; June 23; Gaz. vol. 203; p. 1104.
- Kerr, Charles V., assignor to McEwen Bros., Wellsville, N. Y. Centrifugal pump. No. 1,089,770; Mar. 10; Gaz. vol. 200; p. 423.
- Kerr, Jesse J., Cleveland, Ohio, assignor to Semet-Solvay Company, Solvay, N. Y. Gas-pressure-regulating device. No. 1,097,236; May 19; Gaz. vol. 202; p. 786.
- Kerr, John W., Orlando, Fla., assignor to Kerr Adjustable Strap Co., Inc. Quickly-adjustable stirrup-leather. (Reissue.) No. 13,778; July 21; Gaz. vol. 204; p. 973.
- Kerr, Robert M. (See Bartlett and Kerr.)
- Kerr, William F., Silverton, Oreg. Chicken-training device. No. 1,117,948; Nov. 17; Gaz. vol. 208; p. 945.
- Kerr, William J., assignor of one-fourth to T. E. Hunglville, Smethport, Pa. Protective apparatus for moving-picture booths. No. 1,091,662; Mar. 31; Gaz. vol. 200; p. 1188.
- Kerr, William R., Malvern, Victoria, assignor of one-half to W. H. Murphy, Hawthorn, Victoria, Australia. Adjustable fastening means for rigidly securing stirrups or shear members to tension and other bars used in reinforcing concrete construction. No. 1,114,147; Oct. 20; Gaz. vol. 207; p. 688.
- Kerry, Aaron, Seattle, Wash. Keyhole-guard. No. 1,101,450; June 23; Gaz. vol. 203; p. 1192.
- Kerschbaum, Frederick, Cambridge, England. Metallic-vapor lamp. No. 1,118,868; Nov. 24; Gaz. vol. 208; p. 1304.
- Kerscht, Otto, Detroit, Mich. Multiple-cylinder expansive-type engine. No. 1,083,405; Jan. 6; Gaz. vol. 198; p. 50.
- Kerscht, Otto, Detroit, Mich. Internal-combustion engine. No. 1,119,432; Dec. 1; Gaz. vol. 209; p. 183.
- Kersey, Enos C., Newport Beach, Cal. Wave-motor. No. 1,111,656; Sept. 22; Gaz. vol. 206; p. 1109.
- Kershner, Benjamin V., St. Louis, Mo. Tailpiece for banjos. No. 1,122,945; Dec. 29; Gaz. vol. 209; p. 1565.
- Kersken, Heinrich, and E. Bodstein, Wehofen, Niederrhein, Germany. Producing means for preventing scales on boilers, &c. No. 1,097,551; May 19; Gaz. vol. 202; p. 893.
- Kersting, Harry J., Cincinnati, Ohio. Carton for half-tones and wood-cuts. No. 1,115,683; Nov. 3; Gaz. vol. 208; p. 74.
- Kerstner, Henry W., Dexter, Mo. Stovepipe. No. 1,095,884; May 5; Gaz. vol. 202; p. 242.
- Kertesz, Adolf, Mainkur, Germany. Preparing cloth for testing its resistance to wearing. No. 1,116,077; Nov. 3; Gaz. vol. 208; p. 209.
- Kertész, John, Woodbridge, N. J. Signal. No. 1,103,052; July 14; Gaz. vol. 204; p. 336.
- Kertész, John, Woodbridge, N. J. Automobile-signal. No. 1,117,398; Nov. 17; Gaz. vol. 208; p. 753.
- Kertész, John, Pottstown, Pa. Life-boat. No. 1,104,428; July 21; Gaz. vol. 204; p. 852.
- Kesler, Elias, Oklahoma, Okla. Animal-trap. No. 1,093,632; Apr. 21; Gaz. vol. 201; p. 590.
- Kesling, Elmer G., Bloomfield, Mo. Rotary clipper. No. 1,086,774; Feb. 10; Gaz. vol. 199; p. 463.
- Kessel, Vilhelm P., assignor, by mesne assignments, to said Kessel and A. Jorgensen, San Francisco, Cal. Dust-remover for rock-drills. No. 1,084,152; Jan. 13; Gaz. vol. 198; p. 326.
- Kesseling, Hermann M., Chicago, Ill. X-ray tube. No. 1,092,489; Apr. 7; Gaz. vol. 201; p. 128.
- Kessels, Henry J. (See Oster and Kessels.)
- Kessingner, Grover C., et al. (See Tudor, John F., assignor.)
- Kessler, Charles A., Pittsburgh, Pa. Folding shelf. No. 1,106,569; Aug. 11; Gaz. vol. 205; p. 388.
- Kessler, Ernst, Chemnitz, Germany. Machine for measuring and marking webs of fabric, paper, and the like. No. 1,095,160; Apr. 28; Gaz. vol. 201; p. 1172.
- Kessler, Ernst, Chemnitz, Germany. Machine for measuring and marking webs of fabric, paper, and the like. No. 1,096,249; May 12; Gaz. vol. 202; p. 402.
- Kessler, Henry A., Berkeley, Cal. Combined pouch and cigarette-making device. No. 1,099,983; June 16; Gaz. vol. 203; p. 633.
- Kessler, Isaac, Philadelphia, Pa. Vest. No. 1,088,285; Feb. 24; Gaz. vol. 199; p. 1084.
- Kessler, Louis, Chicago, Ill. Oil-can. No. 1,120,313; Dec. 8; Gaz. vol. 209; p. 524.
- Kestner Evaporator Company. (See Kestner, Paul, assignor.)
- Kestner, Hermann, Mülhausen, Germany. Embedding thin printed labels made of gelatin in transparent soap. No. 1,114,006; Oct. 20; Gaz. vol. 207; p. 638.
- Kestner, Paul, Lille, France. Nozzle for ventilating and humidifying apparatus. No. 1,093,996; Apr. 21; Gaz. vol. 201; p. 712.
- Kestner, Paul, Lille, France, assignor to Kestner Evaporator Company, Philadelphia, Pa. Apparatus for concentrating liquids to high densities. No. 1,090,628; Mar. 17; Gaz. vol. 200; p. 764.
- Ketcham, Albert H. (See Angle and Ketcham.)
- Ketchum, Ernest C., Boston, and D. H. Andrews, Newton, Mass. Brush for dynamo-electrical machines. No. 1,087,381; Feb. 17; Gaz. vol. 199; p. 723.

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- Ketchum, Ernest C., Boston, and D. H. Andrews, Newton, Mass. Dynamo-electrical machine. No. 1,091,748; Mar. 31; Gaz. vol. 200; p. 1217.
- Ketelsen, Peter, Clinton, Iowa. Shock-forming machine. No. 1,088,592; Feb. 24; Gaz. vol. 199; p. 1183.
- Ketley, Charles B., *et al.* (See Gilman and Clements, assignors.)
- Keto, Aaron, Fitchburg, Mass. Washing-machine. No. 1,104,904; July 28; Gaz. vol. 204; p. 1068.
- Kett, Richard, assignor of one-half to A. H. Flucken, Denver, Colo. Track-sander for locomotives. No. 1,110,391; Sept. 15; Gaz. vol. 206; p. 625.
- Ketterer, Eugene, St. Louis, Mo., assignor to The Auto Pneumatic Action Company. Socket-piece for holding music-spools. No. 1,083,618; Jan. 6; Gaz. vol. 198; p. 119.
- Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Co. Binding-post. No. 1,089,771; Mar. 10; Gaz. vol. 200; p. 424.
- Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Co. Ignition system. No. 1,102,593; July 7; Gaz. vol. 204; p. 131.
- Kettering, Charles F., assignor, by mesne assignments, to The National Cash Register Co., Dayton, Ohio. Store-service-credit-system apparatus. No. 1,108,185; Aug. 25; Gaz. vol. 205; p. 1049.
- Kettering, Charles F., assignor to The National Cash Register Company, Dayton, Ohio. Registering mechanism. No. 1,109,763; Sept. 8; Gaz. vol. 206; p. 361.
- Kettering, Charles F., assignor to The National Cash Register Company, Dayton, Ohio. Indicating mechanism. No. 1,116,440; Nov. 10; Gaz. vol. 208; p. 372.
- Kettering, Charles F., assignor to The National Cash Register Company, Dayton, Ohio. Store-service credit-system apparatus. No. 1,122,605; Dec. 29; Gaz. vol. 209; p. 1445.
- Kettering, Charles F., and W. A. Chryst, assignors to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,110,392; Sept. 15; Gaz. vol. 206; p. 626.
- Kettlewell, Robert B., Harrogate, England, assignor to Yost Writing Machine Company, Illon, N. Y. Type-writing machine. No. 1,092,841; Apr. 14; Gaz. vol. 201; p. 282.
- Kettlich, Albert, Denver, Colo. Perforating device. No. 1,083,541; Jan. 6; Gaz. vol. 198; p. 94.
- Keuffel & Esser Company. (See Ferber, Philip, assignor.)
- Keup, Emil, San Francisco, Cal. Non-puncturable resilient wheel. No. 1,085,435; Jan. 27; Gaz. vol. 198; p. 825.
- Keve, W. R. (See Lorimer, George W., assignor.)
- Kevitt, Tice C., Paterson, N. J. Cultivator. No. 1,113,563; Oct. 13; Gaz. vol. 207; p. 446.
- Kewitz, Charles F., Lakewood, Ohio. Ejecting mechanism. No. 1,106,570; Aug. 11; Gaz. vol. 205; p. 388.
- Key, James F., Paraiso, Canal Zone, assignor to General Electric Company. Step-bearing. No. 1,083,838; Jan. 6; Gaz. vol. 198; p. 189.
- Keyes, Eugene L., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Apparatus for use in the manufacture of boots and shoes. No. 1,094,548; Apr. 28; Gaz. vol. 201; p. 957.
- Keyes, Eugene L., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Holddown for lasting-machines. No. 1,120,822; Dec. 15; Gaz. vol. 209; p. 752.
- Keyes, Frederick G., Boston, Mass., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Quartz-lamp. No. 1,113,218; Oct. 13; Gaz. vol. 207; p. 322.
- Keyes, James A., New York, N. Y. Locking device. No. 1,112,915; Oct. 6; Gaz. vol. 207; p. 175.
- Keyes, Nelson B., assignor to H. C. Hart, Unionville, Conn. Safety device for machine operators. No. 1,093,192; Apr. 14; Gaz. vol. 201; p. 402.
- Keyes, Walter F., La Grange, Ill. Ice-rest and water-cooler. (Reissue.) No. 13,679; Jan. 20; Gaz. vol. 198; p. 675.
- Keymer, Perry W., New York, and G. I. Brown, Florida, N. Y. Non-spillable ship-table. No. 1,115,213; Oct. 27; Gaz. vol. 207; p. 1120.
- Keyoke Railway Equipment Company. (See Murray, George C., assignor.)
- Keys, William A. (See Mills, George W., Jr., assignor.)
- Keys, William A., New York, N. Y., assignor to Slip Scarf Company. Neckwear. No. 1,098,908; June 2; Gaz. vol. 203; p. 188.
- Keys, William A., New York, N. Y., assignor to Slip Scarf Company. Neckwear. (Reissue.) No. 13,818; Oct. 27; Gaz. vol. 207; p. 1212.
- Keys, William A., New York, N. Y., assignor to Slip Scarf Company. Neckwear. No. 1,122,946; Dec. 29; Gaz. vol. 209; p. 1565.
- Keyser, Charles C., Pensacola, Fla. Automobile-chassis. No. 1,084,446; Jan. 13; Gaz. vol. 198; p. 422.
- Keystone Bronze Company. (See Knox, Luther L., assignor.)
- Keystone Driller Company. (See Downie, Robert M., assignor.)
- Keystone Driller Company. (See Holmes, Robert E. L., assignor.)
- Keystone Driller Company. (See Downie and Turner, assignors.)
- Keystone Electrical Instrument Company. (See Brown, Richard P., assignor.)
- Keystone Furnace Construction Company. (See Knox, Luther L., assignor.)
- Keystone Type Foundry. (See Bashelier, Frank M., assignor.)
- Keystone Watch Case Company, The. (See Lundvall, Erik A., assignor.)
- Keystone Wire Matting Co. (See McPherson, Frank G. and T. C., assignors.)
- Keystone Wire Matting Co. (See McPherson, Thomas C., assignor.)
- Keyworth, William C., Paterson, N. J. Thread-finishing machine. No. 1,119,171; Dec. 1; Gaz. vol. 209; p. 94.
- Khu, Julius, coguardian, *et al.* (See Oesterreicher, Alfred.)
- Kibbey, Charles W., Boyne City, Mich. Cheese-stand. No. 1,091,143; Mar. 24; Gaz. vol. 200; p. 970.
- Kibele, Eugene, and W. G. Vreeland, Chattanooga, Tenn. Pipe-wrench. No. 1,118,937; Dec. 1; Gaz. vol. 209; p. 11.
- Kibele, Hector, assignor to The Diller Manufacturing Company, Bluffton, Ohio. Relief-valve for fireless cookers. No. 1,117,399; Nov. 17; Gaz. vol. 208; p. 753.
- Kibler, Amos W., and J. J. Pennington, Butte, Mont. Spirit-level. No. 1,098,039; May 26; Gaz. vol. 202; p. 1112.
- Kicinski, Tomasz M. J. (See Floryanowicz and Kicinski.)
- Kidd, Archie M. (See Snow, Kidd, and Whaley.)
- Kidd, Lewis, Bloomfield, Ind. Smoke-consumer. No. 1,090,072; Mar. 10; Gaz. vol. 200; p. 527.
- Kidder, Arthur B., assignor to The Victor Specialty Company, Canton, Ohio. Lawn-mower. No. 1,121,257; Dec. 15; Gaz. vol. 209; p. 905.
- Kidder, Francis M. and M. H., New York, N. Y. Circuit-interrupter for therapeutical apparatus. No. 1,117,857; Nov. 17; Gaz. vol. 208; p. 914.
- Kidder, Francis M. and M. H., New York, N. Y. Electrode for therapeutical apparatus. No. 1,122,947; Dec. 29; Gaz. vol. 209; p. 1566.
- Kidder, John F., Burlington, Vt. Volumetric meter-tester. No. 1,103,882; July 14; Gaz. vol. 204; p. 624.
- Kidder, Milton H. (See Kidder, Francis M. and M. H.)
- Kidder, Wellington P., Boston, Mass., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Ribbon-reversing mechanism for type-writers. No. 1,104,359; July 21; Gaz. vol. 204; p. 829.
- Kidder, Wellington P., Boston, Mass., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,121,018; Dec. 15; Gaz. vol. 209; p. 821.
- Kidder, Wellington P., Boston, Mass., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,122,764; Dec. 29; Gaz. vol. 209; p. 1501.
- Kidder, Wellington P., Boston, Mass., and C. W. Sponsel, Hartford, assignors, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Carriage-shifting mechanism for type-writing machines. No. 1,084,347; Jan. 13; Gaz. vol. 198; p. 391.
- Kidder, William N., Providence, R. I. Artificial tooth. No. 1,108,449; Aug. 25; Gaz. vol. 205; p. 1140.
- Kiddle, Alfred W., *et al.*, executors. (See Hoffmann, Ernst G.)
- Kidman, William. (See Gray, Ernest, assignor.)
- Kidston, Robert W. (See Crowe and Kidston.)
- Kiefer, Andrew. (See Castor and Kiefer.)
- Kiefer, Claude R., Mishawaka, Ind. Bicycle. No. 1,109,424; Sept. 1; Gaz. vol. 206; p. 202.
- Kiefer, Fred, assignor of one-half to G. D. Fuchs, Scranton, Pa. Game-board. No. 1,102,594; July 7; Gaz. vol. 204; p. 131.
- Kiefer, Firm of J. G. (See Kiefer, Jacob, assignor.)
- Kiefer, Jacob, assignor to Firm of J. G. Kiefer, Zurich, Switzerland. Window. No. 1,095,642; May 5; Gaz. vol. 202; p. 160.
- Kiefer, Karl, Cincinnati, Ohio. Fluid pump or motor. No. 1,103,053; July 14; Gaz. vol. 204; p. 336.
- Kiefer, Karl, Cincinnati, Ohio. Closure for containers. No. 1,103,054; July 14; Gaz. vol. 204; p. 336.
- Kiefer, Karl, Cincinnati, Ohio. Filling-machine. No. 1,115,834; Nov. 3; Gaz. vol. 208; p. 124.
- Kiefer, Raymond A., Ramsey, N. J. Cigar-cutter. No. 1,086,920; Feb. 10; Gaz. vol. 199; p. 513.
- Kiefer, Raymond A., Ramsey, N. J. Device for generating a sterilizing-gas. No. 1,101,078; June 23; Gaz. vol. 203; p. 1066.
- Kieffer, John H., Allentown, Pa. Horseshoe. No. 1,089,844; Mar. 10; Gaz. vol. 200; p. 449.
- Kieffer, John H., Allentown, Pa. Toe-calk. No. 1,099,605; June 9; Gaz. vol. 203; p. 467.
- Kiebler, Frederick, Detroit, Mich., assignor to The English & Mersick Co., New Haven, Conn. Auxiliary seat for automobiles. No. 1,101,192; June 23; Gaz. vol. 203; p. 1105.
- Klehn, Fritz, *et al.* (See Snodgrass, Charley, assignor.)
- Kielblock, Albert, and H. Dittman, Arnstadt, Germany. Door contact-switch. No. 1,103,883; July 14; Gaz. vol. 204; p. 624.

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- Kieley, John F., Oakland, assignor of one-half to G. G. Long, San Francisco, Cal. Background for screens for pictures or stage. No. 1,099,852; June 9; Gaz. vol. 203; p. 550.
- Kielland, Jakob D., Christiania, Norway, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Locking device for electrical contacts. No. 1,094,907; Apr. 28; Gaz. vol. 201; p. 1084.
- Kiely, James F., Syracuse, N. Y. Time-recorder. No. 1,087,665; Feb. 17; Gaz. vol. 199; p. 824.
- Kienast, T. William, assignor to Samuel Cupples Envelope Company, New York, N. Y. Envelope-machine. No. 1,113,019; Oct. 6; Gaz. vol. 207; p. 210.
- Kiene, Frank. (See Day, Park L., assignor.)
- Kienzie, Herbert, Schwenningen-on-the-Neckar, Germany. Removable spring-housing for clocks. No. 1,110,061; Sept. 8; Gaz. vol. 206; p. 467.
- Kieren, Joseph, Gilbert, Minn. Switch-clutch. No. 1,109,425; Sept. 1; Gaz. vol. 206; p. 202.
- Kiesel, William F., Jr., Altoona, Pa. Car-brake. No. 1,092,917; Apr. 14; Gaz. vol. 201; p. 307.
- Kiesel, William F., Jr., Altoona, Pa. Brake-hanger. No. 1,098,808; June 2; Gaz. vol. 203; p. 153.
- Kieser, Frederick J., Chicago, Ill., assignor to Kieser-Richter Company. Tobacco-pipe. No. 1,100,377; June 16; Gaz. vol. 203; p. 770.
- Kieser-Richter Company. (See Kieser, Frederick J., assignor.)
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Elastic-fluid turbine. No. 1,085,136; Jan. 27; Gaz. vol. 198; p. 721.
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Centrifugal compressor. No. 1,087,382; Feb. 17; Gaz. vol. 199; p. 724.
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Extraction-turbine. No. 1,096,919; May 19; Gaz. vol. 202; p. 673.
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Regulating device for extraction-turbines. No. 1,096,920; May 19; Gaz. vol. 202; p. 674.
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Rotor for elastic-fluid turbines. No. 1,107,238; Aug. 11; Gaz. vol. 205; p. 621.
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Power system. No. 1,109,168; Sept. 1; Gaz. vol. 206; p. 111.
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Centrifugal pump and air-compressor. No. 1,115,942; Nov. 3; Gaz. vol. 208; p. 162.
- Kieser, Walter, Berlin, Germany, assignor to General Electric Company. Centrifugal pump. No. 1,090,073; Mar. 10; Gaz. vol. 200; p. 527.
- Kieser, Walter, Berlin, Germany, assignor to General Electric Company. Apparatus for removing air from water. No. 1,095,463; May 5; Gaz. vol. 202; p. 99.
- Kieser, Walter, Berlin, Germany, assignor to General Electric Company. Shaft-bearing. No. 1,108,761; Aug. 25; Gaz. vol. 205; p. 1248.
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Regulating system for steam-turbines. No. 1,121,019; Dec. 15; Gaz. vol. 209; p. 821.
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Regulator for mixed-pressure turbines. No. 1,121,020; Dec. 15; Gaz. vol. 209; p. 822.
- Kieser, Walter, Berlin, Germany, assignor to General Electric Company. Steam-turbine nozzle. No. 1,112,295; Sept. 29; Gaz. vol. 206; p. 1366.
- Kiewicz, John. (See Reece and Kiewicz.)
- Kiewicz, John, Hyde Park, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-sewing machine. No. 1,083,284; Jan. 6; Gaz. vol. 198; p. 8.
- Kiewicz, John, Hyde Park, assignor to The Reece Button Hole Machine Company, Boston, Mass. Button-attaching machine. No. 1,089,649; Mar. 10; Gaz. vol. 200; p. 382.
- Kiewicz, John, Hyde Park, assignor to The Reece Button Hole Machine Company, Boston, Mass. Button-attaching machine. No. 1,099,254; June 9; Gaz. vol. 203; p. 346.
- Kiewicz, John, Hyde Park, assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread-holding device. No. 1,111,907; Sept. 29; Gaz. vol. 206; p. 1236.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-stitching machine. No. 1,083,896; Jan. 6; Gaz. vol. 198; p. 206.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Clutch-controlling mechanism. No. 1,097,863; May 26; Gaz. vol. 202; p. 1048.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing-machine shuttle. No. 1,117,957; Nov. 17; Gaz. vol. 208; p. 948.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing-machine. No. 1,118,290; Nov. 24; Gaz. vol. 208; p. 1103.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing-machine. No. 1,121,106; Dec. 15; Gaz. vol. 209; p. 854.
- Kiggins, Charles A., Sharon Springs, Kans. Harrow and pulverizer attachment. No. 1,113,219; Oct. 13; Gaz. vol. 207; p. 322.
- Kihlgren, Theodor, assignor to National Equipment Company, Springfield, Mass. Reducing apparatus. No. 1,098,324; May 26; Gaz. vol. 202; p. 1210.
- Kihlgren, Theodor, assignor to National Equipment Company, Springfield, Mass. Grinding and reducing apparatus. No. 1,098,325; May 26; Gaz. vol. 202; p. 1211.
- Kihlqvist, Johan L., Adelsö, Ekerö, near Stockholm, and G. Lindén, Nässjö, Sweden. Knitting-machine. No. 1,112,456; Oct. 6; Gaz. vol. 207; p. 15.
- Kihn, Nicolas, assignor to Eisenhütten-Aktien-Verein Düdelingen, Düdelingen, Luxemburg. Preliminary heater. No. 1,104,302; July 21; Gaz. vol. 204; p. 808.
- Kilberg, William G., Cambridge, and A. J. Johnson, Somerville, assignors to C. A. Cook Company, Cambridge, Mass. Combined piano and player bench. No. 1,104,675; July 21; Gaz. vol. 204; p. 939.
- Kilberry, George D., assignor to Rice, Barton & Fales Machine & Iron Co., Worcester, Mass. Drying-cylinder. No. 1,108,077; Aug. 18; Gaz. vol. 205; p. 964.
- Kilberry, George D., Worcester, Mass., assignor to Rice, Barton & Fales Machine & Iron Company. Paper-web delivery. No. 1,122,281; Dec. 29; Gaz. vol. 209; p. 1336.
- Kilberry, George D., Worcester, Mass., assignor to Rice, Barton & Fales Machine & Iron Company. Paper-drying machine. No. 1,122,282; Dec. 29; Gaz. vol. 209; p. 1336.
- Kilbourn, Edward E., W. E. Smith, and I. W. Kilbourn, assignors to Kilbourn Manufacturing Corporation, New Brunswick, N. J. Circular-knitting machine. No. 1,087,954; Feb. 24; Gaz. vol. 199; p. 969.
- Kilbourn, Edward E., W. E. Smith, and I. W. Kilbourn, assignors to Kilbourn Manufacturing Corporation, New Brunswick, N. J. Circular-knitting machine. No. 1,092,577; Apr. 7; Gaz. vol. 201; p. 156.
- Kilbourn, Edward E., W. E. Smith, and I. W. Kilbourn, assignors to Kilbourn Manufacturing Corporation, New Brunswick, N. J. Seamless stocking and knitting the same. No. 1,110,443; Sept. 15; Gaz. vol. 206; p. 644.
- Kilbourn, Edward E., W. E. Smith, and I. W. Kilbourn, assignors, by mesne assignments, to Kilbourn Manufacturing Corporation, New Brunswick, N. J. Hosiery. No. 1,120,506; Dec. 8; Gaz. vol. 209; p. 593.
- Kilbourn, Isaac W. (See Kilbourn, Smith, and Kilbourn.)
- Kilbourn Manufacturing Corporation. (See Kilbourn, Smith, and Kilbourn, assignors.)
- Kilbourn Manufacturing Corporation. (See Smith, William E., assignor.)
- Kilbourn Manufacturing Corporation. (See Smith and Geipel, assignors.)
- Kilbourn, Washington H., Greenfield, Mass. Automatic carriage-return for type-writing machines. No. 1,095,282; May 5; Gaz. vol. 202; p. 37.
- Kilbourne & Jacobs Manufacturing Company, The. (See Anthony and Pirrung, assignors.)
- Kilbourne and Jacobs Manufacturing Company, The. (See Hussey and Doty, assignors.)
- Kilburn, George E., Brighton, Victoria, Australia. Vehicular tail-light frontal indicator. No. 1,099,751; June 9; Gaz. vol. 203; p. 517.
- Kile, Joseph R., Neodesha, Kans. Hose-coupling. No. 1,089,650; Mar. 10; Gaz. vol. 200; p. 383.
- Kiley, Thomas P., New York, N. Y. Closure. No. 1,094,662; Apr. 28; Gaz. vol. 201; p. 999.
- Kilgore, C. F., et al. (See Dillon, James F., assignor.)
- Kilgore, Joseph D., assignor to Kilgore Manufacturing Company, Homestead, Pa. Toy pistol. No. 1,123,195; Dec. 29; Gaz. vol. 209; p. 1655.
- Kilgore Manufacturing Company. (See Kilgore, Joseph D., assignor.)
- Kilgour, Dwight F., Lexington, Mass. Lubricator. No. 1,089,060; Mar. 3; Gaz. vol. 200; p. 131.
- Kilham, Richard C., Duquesne, Pa. Valve for steam-chests. No. 1,091,934; Mar. 31; Gaz. vol. 200; p. 1283.
- Kilian, Adam. (See Graham and Kilian.)
- Kilkenny, Joseph B., Walla Walla, Wash. Safety appliance for steam-boilers. No. 1,087,496; Feb. 17; Gaz. vol. 199; p. 764.
- Killam, Benjamin F. (See Van Beuning and Killam.)
- Killam, Gaston B., Calgary, Alberta, Canada. Gas-burner. No. 1,091,663; Mar. 31; Gaz. vol. 200; p. 1188.
- Killark Electric Manufacturing Company. (See Britt, William J., Jr., assignor.)
- Killeen, Margaret E., San Francisco, Cal. Bloomers. No. 1,109,231; Sept. 1; Gaz. vol. 206; p. 133.
- Killebrew, Oscar D., Richmond, Va. Treating metal tubing. No. 1,093,435; Apr. 14; Gaz. vol. 201; p. 483.
- Killeen, Andrew J. (See Van Ness and Killeen.)
- Killgore, Robert B., Short Hills, N. J., assignor to Strause Gas Iron Co., Philadelphia, Pa. Self-heating sad-iron. No. 1,112,916; Oct. 6; Gaz. vol. 207; p. 176.
- Killian, Cleburg W., Oakland, Cal. Automobile fender and guard. No. 1,122,128; Dec. 22; Gaz. vol. 209; p. 1243.
- Killifer Manufacturing Company. (See Bean, Charles E., assignor.)
- Killingsworth, Wiley S., Jr. (See Acker, Willitt H., assignor.)

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- Killman, Thomas A., Nashville, Tenn. Street-sweeper. No. 1,087,588; Feb. 17; Gaz. vol. 199; p. 796.
- Killman, Thomas A., and J. R. Stark, Nashville, Tenn. Folding bed. No. 1,087,497; Feb. 17; Gaz. vol. 199; p. 764.
- Kilmer, Elmer E., assignor to H. C. Woodruff, Cleveland, Ohio. Window-stop lock. No. 1,087,449; Feb. 17; Gaz. vol. 199; p. 748.
- Kilmer, Elmer E., assignor to H. C. Woodruff, Cleveland, Ohio. Parting-strip for windows. No. 1,123,196; Dec. 29; Gaz. vol. 209; p. 1656.
- Kilmer, Melvin D., assignor to W. P. Mayer, Cleveland, Ohio. Tool for splicing cords. No. 1,083,497; Jan. 6; Gaz. vol. 198; p. 78.
- Kilmer, William A., De Kalb, assignor to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Wire-fabric machine. No. 1,111,593; Sept. 22; Gaz. vol. 206; p. 1087.
- Kilmer, William A., De Kalb, and A. T. Weaver, Joliet, Ill., assignors to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Device for preventing formation of burs in electric welding. No. 1,087,383; Feb. 17; Gaz. vol. 199; p. 724.
- Kilmer, William A., De Kalb, and A. T. Weaver, Joliet, Ill., assignors to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Method of and apparatus for preventing formation of burs on electric welds. No. 1,087,384; Feb. 17; Gaz. vol. 199; p. 725.
- Kilpatrick, Oscar, *et al.* (See Richard, Zacharie B., assignor.)
- Kilpatrick, Robert W. (See Earley and Kilpatrick.)
- Kilstofte, Peder P. (See Berntsen and Kilstofte.)
- Kilstrom, Axel, Providence, R. I. Eraser for lead-pencils. No. 1,104,514; July 21; Gaz. vol. 204; p. 884.
- Kimball, B. P. (See Dahl, Walter B., assignor.)
- Kimball, Frank L., West Haven, Conn. Cylinder-lock. No. 1,100,245; June 16; Gaz. vol. 203; p. 724.
- Kimball, Frank J., Los Angeles, Cal. Fuel-pump for internal-combustion engines. No. 1,099,449; June 9; Gaz. vol. 203; p. 414.
- Kimball, George S., Camden, Ark., assignor to M. W. Borders, Chicago, Ill. Tanning hides. No. 1,086,538; Feb. 10; Gaz. vol. 199; p. 380.
- Kimball, Herbert E., Dallas, Tex. Grave-marker. No. 1,095,885; May 5; Gaz. vol. 202; p. 242.
- Kimball, Perley L., assignor to Vermont Farm Machine Company, Bellows Falls, Vt. Apparatus for washing separator-skimmers. No. 1,121,731; Dec. 22; Gaz. vol. 209; p. 1106.
- Kimball, Ralph R., Chicago, Ill. Bed construction. No. 1,114,486; Oct. 20; Gaz. vol. 207; p. 812.
- Kimber, Wilfred C., West Norwood, London, assignor to W. Haddon, London, England. Wiping apparatus for plate-printing machines. No. 1,096,725; May 12; Gaz. vol. 202; p. 562.
- Kimble, Austin, Oak Park, and J. D. Nies, St. Charles, assignors to Kimble Electric Company, Chicago, Ill. Electric controller. No. 1,115,835; Nov. 3; Gaz. vol. 208; p. 125.
- Kimble Electric Co. (See Nies, John D., assignor.)
- Kimble Electric Company. (See Kimble and Nies, assignors.)
- Kime, Orville F., assignor to The International Manufacturing Company, Crestline, Ohio. Seed-cleaning machine. No. 1,122,765; Dec. 29; Gaz. vol. 209; p. 1501.
- Kime, Ralph E., Fostoria, Ohio. Garbage-receptacle. No. 1,102,275; July 7; Gaz. vol. 204; p. 19.
- Kimman, Henry J. and T. P., Cleveland, Ohio, assignors to Chicago Pneumatic Tool Company, Chicago, Ill. Portable drill. No. 1,112,070; Sept. 29; Gaz. vol. 206; p. 1287.
- Kimman, Theodore P. (See Kimman, Henry J. and T. P.)
- Kimmel, George C., assignor to The Cincinnati Grinder Company, Cincinnati, Ohio. Extension-slide. No. 1,102,416; July 7; Gaz. vol. 204; p. 69.
- Kimmel, George C., assignor to The Cincinnati Grinder Company, Cincinnati, Ohio. Head-stock for grinders. No. 1,102,417; July 7; Gaz. vol. 204; p. 69.
- Kinberg, Gottfried H., Hamburg, Germany. Coin-counter. No. 1,122,606; Dec. 29; Gaz. vol. 209; p. 1446.
- Kincaid, Ira, M. A. Foote, and W. H. Neureither, Chicago, Ill. Flange-lubricator for railway-cars. No. 1,111,308; Sept. 22; Gaz. vol. 206; p. 988.
- Kincaid, William, Glen Ferris, W. Va. Shlp. No. 1,087,385; Feb. 17; Gaz. vol. 199; p. 725.
- Kind, Paolo, Turin, Italy. Device for producing alterations in the movements of valves. No. 1,107,963; Aug. 18; Gaz. vol. 205; p. 922.
- Kindahl, Fredrick T., Belmont, Mass. Automobile sled. No. 1,117,677; Nov. 17; Gaz. vol. 208; p. 851.
- Kindel, Charles J., Chicago, Ill. Folding bed. No. 1,118,556; Nov. 24; Gaz. vol. 208; p. 1199.
- Kindel, Charles J., Chicago, Ill. Folding bed. No. 1,120,942; Dec. 15; Gaz. vol. 209; p. 795.
- Kinder, Halsey G., assignor to W. W. Kimball Company, Chicago, Ill. Means for controlling adjustable combination stop-actions in self-playing organs. No. 1,101,937; June 30; Gaz. vol. 203; p. 1413.
- Kindl, F. H., Jr., administrator. (See Kindl, Frederick H.)
- Kindl, Frederick H., deceased, Pittsburgh, Pa.; F. H. Kindl, Jr., administrator. Loading apparatus. No. 1,097,759; May 26; Gaz. vol. 202; p. 1012.
- Kindler, Albert, San Diego, Cal. Radiator-subheater. No. 1,111,309; Sept. 22; Gaz. vol. 206; p. 989.
- Kindrick, Jesse H., assignor of one-half to C. B. Siler, Valley Center, Kans. Cot for invalids. No. 1,103,296; July 14; Gaz. vol. 204; p. 420.
- Kinealy, John H., Boston, Mass., assignor, by mesne assignments, to Andrew G. Paul Company. Heating system. No. 1,114,270; Oct. 20; Gaz. vol. 207; p. 733.
- Kinen, Anita E., Paris, France. Portable wardrobe. No. 1,085,436; Jan. 27; Gaz. vol. 198; p. 825.
- King, Alford T., Atlanta, Ga. Device for distributing disinfectants or other fluids. No. 1,112,807; Oct. 6; Gaz. vol. 207; p. 139.
- King, Andrew J., Hope, N. D. Lamp-burner. No. 1,093,336; Apr. 14; Gaz. vol. 201; p. 452.
- King, Bert W., assignor to Standard Computing Scale Company, Limited, Detroit, Mich. Scale. No. 1,091,664; Mar. 31; Gaz. vol. 200; p. 1188.
- King, Charles B., Detroit, Mich., assignor, by mesne assignments, to King Motor Car Company. Automobile. No. 1,100,309; June 16; Gaz. vol. 203; p. 747.
- King, Charles B., Detroit, Mich., assignor, by mesne assignments, to King Motor Company. Transmission mechanism for automobiles. No. 1,101,855; June 30; Gaz. vol. 203; p. 1384.
- King, Charles B., Detroit, Mich., assignor, by mesne assignments, to King Motor Car Company. Automobile. No. 1,115,836; Nov. 3; Gaz. vol. 208; p. 125.
- King, Charles B., and J. W. Fellmeth, assignors to The Marion Steam Shovel Company, Marion, Ohio. Guide for bowlines. No. 1,103,055; July 14; Gaz. vol. 204; p. 337.
- King, Charles B., and H. T. Gracely, assignors to The Marion Steam Shovel Company, Marion, Ohio. Spud. No. 1,122,401; Dec. 29; Gaz. vol. 209; p. 1375.
- King, Charles B., C. B. Weston, and L. R. Russell, assignors to The Marion Steam Shovel Company, Marion, Ohio. Steering mechanism for excavating-machines. No. 1,100,080; June 16; Gaz. vol. 203; p. 668.
- King, Charles B., C. B. Weston, H. E. Roush, and L. R. Russell, assignors to The Marion Steam Shovel Company, Marion, Ohio. Excavating-bucket. No. 1,097,029; May 19; Gaz. vol. 202; p. 712.
- King, Charles E. (See Hall and King.)
- King, Charles L. (See Corliss and Wharmby, assignors.)
- King, Charles W. G., assignor to The United States Metallic Packing Company, Philadelphia, Pa. Sectional ring for rod-packing. No. 1,084,281; Jan. 13; Gaz. vol. 198; p. 369.
- King, David W., Maitland, Mo. Road-grader. No. 1,102,671; July 7; Gaz. vol. 204; p. 157.
- King, Dwight D., Warren, Pa. Lamp. No. 1,104,264; July 21; Gaz. vol. 204; p. 795.
- King, Francis M., Philadelphia, Pa. Fastener for window and door screens. No. 1,091,849; Mar. 31; Gaz. vol. 200; p. 1254.
- King, Fred B., and R. L. Stevens, assignors to National Spring and Wire Co., Albion, Mich. Clip. No. 1,085,269; Jan. 27; Gaz. vol. 198; p. 769.
- King, George H., Salt Lake City, Utah. Washbasin. No. 1,120,823; Dec. 15; Gaz. vol. 209; p. 752.
- King, George H., assignor to King Measuring Device Company, Anderson, Ind. Machine for handling wire-netting. No. 1,087,087; Feb. 10; Gaz. vol. 199; p. 567.
- King, George W., assignor of one-third to J. N. Bowery, Indian Springs, Tenn. Churn. No. 1,089,772; Mar. 10; Gaz. vol. 200; p. 424.
- King, Gilbert J., assignor to Jackson Cushion Spring Company, Jackson, Mich. Spring structure. No. 1,118,136; Nov. 24; Gaz. vol. 208; p. 1051.
- King & Hamilton Company. (See Gilman, John H. and A. E., assignors.)
- King, Henry N., assignor of one-half to F. D. Teachout, Adrian, Mich. Tension member for silos and other circular structures. No. 1,095,643; May 5; Gaz. vol. 202; p. 161.
- King, Howard K. (See Binder and King.)
- King, Howard K., Philadelphia, Pa. Automatic oiling device. No. 1,122,607; Dec. 29; Gaz. vol. 209; p. 1446.
- King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Slip-sheeting machine. No. 1,094,908; Apr. 28; Gaz. vol. 201; p. 1084.
- King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Sheet-feeding machine. No. 1,118,357; Nov. 24; Gaz. vol. 208; p. 1128.
- King, James B., Salt Lake City, Utah. Photographic-print washer. No. 1,086,060; Feb. 3; Gaz. vol. 199; p. 173.
- King, Jesse C., assignor of one-half to A. Wilkins, La Junta, Colo. Centrifugal filtering or dewatering machine for ore-pulp. No. 1,088,823; Mar. 3; Gaz. vol. 200; p. 51.
- King, Jesse L. (See Hazlewood, Horace C., assignor.)
- King, John, assignor of one-half to B. J. Peters, Oakland, Cal. Float-operated shut-off. No. 1,085,689; Feb. 3; Gaz. vol. 199; p. 39.

Alphabetical list of patentees—Continued.

- King, John, assignor of one-half to I. I. Shoemaker, Spokane, Wash. Car door and steps. No. 1,105,202; July 28; Gaz. vol. 204; p. 1169.
- King, John B., London, England. Shock-absorbing spring for vehicles. No. 1,107,964; Aug. 18; Gaz. vol. 205; p. 923.
- King, John F., and J. P. Neary, Kalamazoo, Mich. Automatic stop or safety device for elevators. No. 1,090,918; Mar. 24; Gaz. vol. 200; p. 891.
- King, John G. (See Ezell and King.)
- King, John H., Mobile, Ala. Milk-pail. No. 1,088,593; Feb. 24; Gaz. vol. 199; p. 1183.
- King, John O., Milwaukee, Wis. Detachable cover for pneumatic tires. No. 1,119,831; Dec. 8; Gaz. vol. 209; p. 256.
- King, Joseph M., Jacksonville, Fla. Fluid-tractor. No. 1,119,433; Dec. 1; Gaz. vol. 209; p. 184.
- King, Lang C., Dennis, Miss. Safety guard-rail for railways. No. 1,100,378; June 16; Gaz. vol. 203; p. 771.
- King Measuring Device Company. (See King, George H., assignor.)
- King Motor Car Company. (See King, Charles B., assignor.)
- King, Orrin H., Chicago, Ill., assignor to United States Concentrating Co. Belt concentrating or vanning machine for separating pulverized ores and similar material. No. 1,108,186; Aug. 25; Gaz. vol. 205; p. 1049.
- King, Philip H., *et al.* (See Allen, Ernest G., assignor.)
- King, Robert N. (See Morgan, Loren C., assignor.)
- King, Robert O., North Tonawanda, N. Y. Composite rafter. No. 1,094,074; Apr. 21; Gaz. vol. 201; p. 738.
- King, Roy D., Chicago, Ill. Door-catch. No. 1,095,578; May 5; Gaz. vol. 202; p. 139.
- King, Roy D., assignor of one-half to J. Nelson, Chicago, Ill. Hinge. No. 1,085,087; Jan. 20; Gaz. vol. 198; p. 668.
- King, Rufus, Plainville, Mass., assignor to Bugbee & Niles Co., Providence, R. I. Clasp for bracelet-chains. No. 1,117,055; Nov. 10; Gaz. vol. 208; p. 592.
- King, Samuel J., Belton, S. C. Writer's arm-rest. No. 1,113,020; Oct. 6; Gaz. vol. 207; p. 211.
- King, Theophilus. (See Boardman, Charles H., assignor.)
- King, Theophilus. (See Jackson, Walter L., assignor.)
- King, Thomas G., Atlanta, Ga. Plow. No. 1,117,400; Nov. 17; Gaz. vol. 208; p. 754.
- King, Vernon F., assignor to The National Cash Register Company, Dayton, Ohio. Store-service system. No. 1,122,608; Dec. 29; Gaz. vol. 209; p. 1446.
- King, William G., Austin, Ark. Railway cattle-gate. No. 1,083,367; Jan. 6; Gaz. vol. 198; p. 36.
- King, William H., Blacksburg, W. Va. Attachment for dental machines. No. 1,120,314; Dec. 8; Gaz. vol. 209; p. 524.
- King, William P. (See Parks, Frederick R., assignor.)
- King, William P., San Francisco, Cal. Excavator. No. 1,115,437; Oct. 27; Gaz. vol. 207; p. 1194.
- King, Wylie D., Medina, Tex. Fly-trap. No. 1,095,886; May 5; Gaz. vol. 202; p. 242.
- Kingan & Company. (See Cunningham, Clinton W., assignor.)
- Kings, Thomas W., Chicago, Ill. Carbureter. No. 1,119,757; Dec. 1; Gaz. vol. 209; p. 292.
- Kings, Thomas W., assignor to I. E. Burtis, Chicago, Ill. Motor. No. 1,119,758; Dec. 1; Gaz. vol. 209; p. 293.
- Kingsbury, Albert, Pittsburgh, Pa. Thrust-bearing. No. 1,102,276; July 7; Gaz. vol. 204; p. 19.
- Kingsbury, Albert, Pittsburgh, Pa. Thrust-bearing. No. 1,117,499; Nov. 17; Gaz. vol. 208; p. 788.
- Kingsbury, Albert, Pittsburgh, Pa. Thrust-bearing. No. 1,117,500; Nov. 17; Gaz. vol. 208; p. 789.
- Kingsbury, Albert, Pittsburgh, Pa. Guiding and polishing machine. No. 1,117,501; Nov. 17; Gaz. vol. 208; p. 789.
- Kingsbury, Albert, Pittsburgh, Pa. Thrust-bearing. No. 1,117,502; Nov. 17; Gaz. vol. 208; p. 789.
- Kingsbury, Albert, Pittsburgh, Pa. Thrust-bearing. No. 1,117,503; Nov. 17; Gaz. vol. 208; p. 790.
- Kingsbury, Albert, Pittsburgh, Pa. Thrust-bearing. No. 1,117,504; Nov. 17; Gaz. vol. 208; p. 790.
- Kingsbury, Albert, Pittsburgh, Pa. Bearing. No. 1,117,505; Nov. 17; Gaz. vol. 208; p. 790.
- Kingsbury, Albert, Pittsburgh, Pa. Thrust-bearing. No. 1,117,506; Nov. 17; Gaz. vol. 208; p. 791.
- Kingsbury, Albert, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Friction-clutch. No. 1,109,232; Sept. 1; Gaz. vol. 206; p. 133.
- Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,103,363; July 14; Gaz. vol. 204; p. 443.
- Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting-machine. No. 1,116,441; Nov. 10; Gaz. vol. 208; p. 372.
- Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting-machine. No. 1,119,519; Dec. 1; Gaz. vol. 209; p. 214.
- Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,121,021; Dec. 15; Gaz. vol. 209; p. 822.
- Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,122,609; Dec. 29; Gaz. vol. 209; p. 1447.
- Kingsbury, Harry T., Keene, N. H. Rake. No. 1,100,574; June 16; Gaz. vol. 203; p. 836.
- Kingsford, Russell T., Plainfield, N. J. Internal-combustion motor. No. 1,092,578; Apr. 7; Gaz. vol. 201; p. 156.
- Kingsford, Thomas P., *et al.* (See Lorenz, Friedrich, assignor.)
- Kingstedt, Gilbert, Raymond, Minn. Self-locking cover for receptacles. No. 1,084,447; Jan. 13; Gaz. vol. 198; p. 422.
- Kinion, Archie A., Mannford, Okla. Rein-holder. No. 1,087,666; Feb. 17; Gaz. vol. 199; p. 825.
- Kinkaid, Thomas C., Philadelphia, Pa. Shock-absorber. No. 1,112,705; Oct. 6; Gaz. vol. 207; p. 105.
- Kinman, Evert L. (See Lyford and Kinman.)
- Kinmont, Frank A. and R. F., Los Angeles, Cal. Power-transmitting mechanism. No. 1,097,333; May 19; Gaz. vol. 202; p. 821.
- Kinmont, Robert F. (See Kinmont, Frank A. and R. F.)
- Kinnard, Chester E., assignor to The Cooper Automatic Car Door Co., Cooper, Tex. Door-hanger. No. 1,110,944; Sept. 15; Gaz. vol. 206; p. 821.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupling-knuckle stop. No. 1,106,458; Aug. 11; Gaz. vol. 205; p. 346.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, New York, N. Y. Anticreep for wedge-locks. No. 1,108,374; Aug. 25; Gaz. vol. 205; p. 1116.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Radial-motion operating-lever. No. 1,108,910; Sept. 1; Gaz. vol. 206; p. 17.
- Kinne, Edmund P., and H. Blanchard, Alliance, Ohio, assignors to American Steel Foundries, New York, N. Y. Contour for couplings. No. 1,120,060; Dec. 8; Gaz. vol. 209; p. 436.
- Kinnear Manufacturing Company, The. (See Gibson and Ross, assignors.)
- Kinnear Manufacturing Company, The. (See McCloud, Edward H., assignor.)
- Kinnear Manufacturing Company, The. (See Rush, Albert, assignor.)
- Kinnear Manufacturing Company, The. (See Volp, John, assignor.)
- Kinnear, William R., New Castle, Pa. Separating metallic sheets. No. 1,085,270; Jan. 27; Gaz. vol. 198; p. 769.
- Kinnear, William R., New Castle, Pa. Sheet-separating machine. No. 1,090,722; Mar. 17; Gaz. vol. 200; p. 792.
- Kinnear, William R., Detroit, Mich. Metallic keg. No. 1,092,999; Apr. 14; Gaz. vol. 201; p. 335.
- Kinney, Albert S., Middletown, Ohio. Spring-wheel. No. 1,084,448; Jan. 13; Gaz. vol. 198; p. 423.
- Kinney, Charles L., Coalinga, assignor to R. H. Herron Company, Los Angeles, Cal. Tubing catcher and supporter. No. 1,123,197; Dec. 29; Gaz. vol. 209; p. 1656.
- Kinney, Charles W., assignor of one-half to J. Kinney, Gouldsboro, Pa. Self-leveling floor. No. 1,101,451; June 23; Gaz. vol. 203; p. 1192.
- Kinney, Clarence W., Worcester, Mass. Signaling apparatus. No. 1,122,766; Dec. 29; Gaz. vol. 209; p. 1502.
- Kinney, Frank H., Hemlock, N. Y. Flagstaff. No. 1,121,510; Dec. 15; Gaz. vol. 209; p. 991.
- Kinney, Howard K., Murray, Okla. Locomotive and car wheel replacer. No. 1,104,676; July 21; Gaz. vol. 204; p. 939.
- Kinney, James. (See Kinney, Charles W., assignor.)
- Kinney, Justus R., Boston, Mass. Air-motor. No. 1,088,155; Feb. 24; Gaz. vol. 199; p. 1039.
- Kinney, Justus R., Dorchester, assignor to The Kinney Manufacturing Company, Boston, Mass. Oil-separator for pumps. No. 1,096,110; May 12; Gaz. vol. 202; p. 355.
- Kinney Manufacturing Company, The. (See Kinney, Justus R., assignor.)
- Kino Limited. (See Anderson, Walter H., assignor.)
- Kinsel, Harry C., Altoona, Pa. Railway-switch-throwing mechanism. No. 1,098,809; June 2; Gaz. vol. 203; p. 153.
- Kinsey, Fredrick L., Buffalo, N. Y., assignor, by mesne assignments, to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Grinding and disintegrating machine. (Reissue.) No. 13,820; Oct. 27; Gaz. vol. 207; p. 1214.
- Kinsey, George, Wyoming, Ohio. Snell-fastening for fish-hooks. No. 1,093,000; Apr. 14; Gaz. vol. 201; p. 335.
- Kinsey Manufacturing Company, The. (See Welch, John R., assignor.)
- Kinsey, Noah M., Farmersville, Ohio. Railway-tie. No. 1,090,723; Mar. 17; Gaz. vol. 200; p. 793.
- Kinslow, Henry M., Santa Ana, assignor of one-half to H. B. Folsom, Los Angeles, Cal. Engine-starter. No. 1,098,448; June 2; Gaz. vol. 203; p. 32.
- Kinsman, Merrit D., Elmira, N. Y. Means for securely connecting the meeting ends of two railway-rails. No. 1,098,267; May 26; Gaz. vol. 202; p. 1189.
- Kinsman, Walter R., Red Bank, N. J., assignor of one-half to C. E. Chapin, Milford, Conn. Lid-lifter. No. 1,110,945; Sept. 15; Gaz. vol. 206; p. 821.

Alphabetical list of patentees—Continued.

- Kinter, Charles W., Wellsburg, W. Va., assignor to The National Roll & Foundry Company, Avonmore, Pa. Scrap-bundling press. No. 1,120,655; Dec. 8; Gaz. vol. 209; p. 647.
- Kintner, Samuel M., *et al.*, receivers. (See Fessenden, Reginald A., assignor.)
- Kintner, Theodore J., Denver, Colo. Gage attachment for planes. No. 1,110,999; Sept. 15; Gaz. vol. 206; p. 837.
- Kinton, William G., assignor to Western Electric Company, Chicago, Ill. Voltage-regulator. No. 1,101,938; June 30; Gaz. vol. 203; p. 1414.
- Kintz, Henry E., Rochester, N. Y. Scale-beam. No. 1,094,722; Apr. 28; Gaz. vol. 201; p. 1022.
- Kintzele, Julius H., St. Louis, Mo., assignor to The Bishop & Babcock Company, Cleveland, Ohio. Bottle-filling machine. No. 1,098,449; June 2; Gaz. vol. 203; p. 32.
- Kinzer, John J., Wildwood, assignor to Pittsburg Brake Shoe Company, Pittsburg, Pa. Brake-shoe. No. 1,094,220; Apr. 21; Gaz. vol. 201; p. 788.
- Kiovisky, Frank, *et al.* (See Kiovisky, John, assignor.)
- Kiovisky, John, Astoria, N. Y., assignor of two-thirds to R. Kiovisky, Springfield, Mass., and F. Kiovisky, New York, N. Y. Corn-sheller. No. 1,104,677; July 21; Gaz. vol. 204; p. 939.
- Kiovisky, Richard, *et al.* (See Kiovisky, John, assignor.)
- Kiparski, Alexander, St. Petersburg, Russia. Ticket-sales register. No. 1,083,839; Jan. 6; Gaz. vol. 198; p. 190.
- Kiparski, Alexander, St. Petersburg, Russia. Automatic ticket registering and indicating device. No. 1,083,840; Jan. 6; Gaz. vol. 198; p. 190.
- Kiparski, Alexander, St. Petersburg, Russia. Automatic ticket-registering system. No. 1,101,452; June 23; Gaz. vol. 203; p. 1192.
- Kiparski, Alexander, St. Petersburg, Russia. Apparatus for automatically totalizing tickets. No. 1,101,453; June 23; Gaz. vol. 203; p. 1193.
- Kiper, Woodford A., Carrollton, Ky. Nut-lock. No. 1,084,642; Jan. 20; Gaz. vol. 198; p. 517.
- Kirby, Charles H. (See Dam and Kirby.)
- Kirby, Charles H. (See Low and Kirby.)
- Kirby, Dee W., and C. H. Howard, Gurdon, Ark. Cotton-chopper. No. 1,122,948; Dec. 29; Gaz. vol. 209; p. 1566.
- Kirby, Edmund B., St. Louis, Mo. Operating ore-concentrating tables. No. 1,105,799; Aug. 4; Gaz. vol. 205; p. 74.
- Kirby, Edmund B., Rossland, British Columbia, Canada. Concentrating-table. No. 1,105,912; Aug. 4; Gaz. vol. 205; p. 113.
- Kirby Equipment Company. (See Woodman, George A., assignor.)
- Kirby, Isaac. (See Cummings and Kirby.)
- Kirby, James, North Attleboro, Mass., assignor to Leach and Garner Company, Providence, R. I. Tie-clasp. No. 1,088,345; Feb. 24; Gaz. vol. 199; p. 1103.
- Kirby, James B., Seattle, Wash. Turbine. No. 1,095,887; May 5; Gaz. vol. 202; p. 242.
- Kirby, James B., assignor to H. B. Barnett and H. M. Farnsworth, Cleveland, Ohio. Vacuum-cleaner. No. 1,100,575; June 16; Gaz. vol. 203; p. 836.
- Kirby, John, Douglas, Ariz. Trolley-wire connector. No. 1,088,707; Mar. 3; Gaz. vol. 200; p. 13.
- Kirby, Lewis H., Kalamazoo, Mich. Air-inlet device for the manifold of an engine. No. 1,093,701; Apr. 21; Gaz. vol. 201; p. 615.
- Kirchhoff, George F., Chicago, Ill., assignor, by mesne assignments, to M. Harris, Pittsburgh, Pa. Automatic switch for flashers, &c. No. 1,101,494; June 23; Gaz. vol. 203; p. 1208.
- Kirchhoff, William G., assignor to T. W. Remmers, St. Louis, Mo. Tag-addressing machine. No. 1,094,445; Apr. 28; Gaz. vol. 201; p. 921.
- Kirchhoff, William G., assignor to T. W. Remmers, St. Louis, Mo. Web-feeding mechanism. No. 1,108,501; Aug. 25; Gaz. vol. 205; p. 1160.
- Kirchner, Frank F., Fulda, Minn. Tire-fastening means. No. 1,119,172; Dec. 1; Gaz. vol. 209; p. 95.
- Kirchner, George P., assignor of one-half to P. J. Englebrecht, Rifle, Colo. Gun-clip. No. 1,110,209; Sept. 8; Gaz. vol. 206; p. 521.
- Kirchner, John, assignor of one-half to J. R. Tipil, Milwaukee, Wis. Hat-pin guard. No. 1,112,011; Sept. 29; Gaz. vol. 206; p. 1267.
- Kirchner, Richard G., Detroit, Mich. Magneto-generator. No. 1,108,872; Aug. 25; Gaz. vol. 205; p. 1288.
- Kirk, Allan B., and O. J. Hobson, Portland, Oreg., assignors, by mesne assignments, to Food Products Co. Evaporator. No. 1,092,796; Apr. 7; Gaz. vol. 201; p. 230.
- Kirk, Alva H., Minneapolis, Minn. Automatic cut-off-valve mechanism for grain-dampeners. No. 1,121,846; Dec. 22; Gaz. vol. 209; p. 1146.
- Kirk, Cassius M. C., South Fort George, British Columbia, Canada. Animal-trap. No. 1,107,218; Aug. 11; Gaz. vol. 205; p. 614.
- Kirk, Jones H., Fort Snelling, Minn. Tobacco-pipe. No. 1,120,061; Dec. 8; Gaz. vol. 209; p. 436.
- Kirk, Laurence H., assignor to Gorrell Steel Spike Lock Railroad Tie Corporation, Havre de Grace, Md. Spike-fastening means. No. 1,115,438; Oct. 27; Gaz. vol. 207; p. 1194.
- Kirk, Morris P., assignor of one-half to J. H. Leavell, Salt Lake City, Utah. Hydraulic classifier. No. 1,102,672; July 7; Gaz. vol. 204; p. 157.
- Kirk, Orlin, *et al.* (See Apgar, Thomas S., assignor.)
- Kirkeby, August V., West Nutley, N. J. Composition of matter for adhesive sizing. No. 1,085,919; Feb. 3; Gaz. vol. 199; p. 120.
- Kirkegaard, Georg, Brooklyn, N. Y. Automatic graphite-feeder. No. 1,101,454; June 23; Gaz. vol. 203; p. 1193.
- Kirkland, Arthur R., *et al.* (See Rising, John G., assignor.)
- Kirkland, John H., St. Thomas, Ontario, Canada. Bag-tie fastener. No. 1,094,577; Apr. 28; Gaz. vol. 201; p. 967.
- Kirkley, Hiram D., Paragould, Ark. Combination salt and pepper cruet. No. 1,085,137; Jan. 27; Gaz. vol. 198; p. 721.
- Kirkley, Hiram D., assignor of one-half to G. O. Light, Paragould, Ark. Foldable or extensible car-step. No. 1,107,170; Aug. 11; Gaz. vol. 205; p. 597.
- Kirkman, Thomas W. (See Hart and Kirkman.)
- Kirkness, Sigvart A., Lake Park, Minn. Separable fastener. No. 1,091,348; Mar. 24; Gaz. vol. 200; p. 1036.
- Kirkpatrick, Charles D., Melrose, Mass. Apparatus for constructing pipe-wells. No. 1,123,129; Dec. 29; Gaz. vol. 209; p. 1630.
- Kirkpatrick, George W. (See Roth, Homer F., assignor.)
- Kirkpatrick, William M., Shelby, Ohio. Barn-door hanger. No. 1,096,629; May 12; Gaz. vol. 202; p. 531.
- Kirksey, John G., Denver, Colo. Multiple-compartment rock-crusher. No. 1,096,307; May 12; Gaz. vol. 202; p. 423.
- Kirkwood, Hugh F., Kineo, Me. Electric toaster and broiler. No. 1,116,442; Nov. 10; Gaz. vol. 208; p. 373.
- Kirkwood, John, Lenox, Mass. Hose-valve. No. 1,121,847; Dec. 22; Gaz. vol. 209; p. 1147.
- Kirkwood, Robert G., assignor to Tate, Jones & Company, Pittsburgh, Pa. Hydrocarbon vat-heater. No. 1,083,619; Jan. 6; Gaz. vol. 198; p. 120.
- Kirkwood, William, Forsyth, Mont. Railway-tie. No. 1,118,291; Nov. 24; Gaz. vol. 208; p. 1103.
- Kirkwood, William R., Seattle, Wash. Concrete fence-post. No. 1,087,498; Feb. 17; Gaz. vol. 199; p. 764.
- Kirn, William, New Cambria, Kans. Gate and barn-door latch. No. 1,120,943; Dec. 15; Gaz. vol. 209; p. 795.
- Kirsch, Otto, New York, N. Y. Pneumatic paper-feed mechanism. No. 1,105,352; July 28; Gaz. vol. 204; p. 1225.
- Kirsch, Wilhelm, Hellbronn, Germany. Quick-roasting apparatus. No. 1,122,610; Dec. 29; Gaz. vol. 209; p. 1447.
- Kirschnik, Frederick W. and W. Milwaukee, Wis. Non-refillable bottle. No. 1,122,507; Dec. 29; Gaz. vol. 209; p. 1411.
- Kirschnik, William. (See Kirschnik, Frederick W. and W.)
- Kirshen, Solomon, Butte, Mont. Overalls. No. 1,091,665; Mar. 31; Gaz. vol. 200; p. 1189.
- Kirsten, Friedrich, Dusseldorf, Germany. Making diamond tools. No. 1,099,984; June 16; Gaz. vol. 203; p. 633.
- Kirtland Bros. & Co. (See Warner, Franklin B., assignor.)
- Kirtland, Daniel J. (See Conklin and Kirtland.)
- Kirtley, Simeon B., Columbia, Mo. Loose-leaf ledger. No. 1,084,449; Jan. 13; Gaz. vol. 198; p. 423.
- Kirtley, Simeon B., Columbia, Mo. Indexed ledger or other book. No. 1,090,544; Mar. 17; Gaz. vol. 200; p. 734.
- Kise, Hans O., Hanley Falls, Minn. Grain-elevator. No. 1,087,667; Feb. 17; Gaz. vol. 199; p. 825.
- Kiser, Alvie V., Troy, Ohio. Tire. No. 1,118,496; Nov. 24; Gaz. vol. 208; p. 1178.
- Kiser, Jacob D., Elyria, Ohio. Fuel-atomizer. No. 1,094,075; Apr. 21; Gaz. vol. 201; p. 739.
- Kishler, Claude B., New York, N. Y. Foldable egg-boiler. No. 1,093,337; Apr. 14; Gaz. vol. 201; p. 452.
- Kiss, Stephen A., Yonkers, N. Y. Letter-box and collecting-pouch. No. 1,102,760; July 7; Gaz. vol. 204; p. 188.
- Kissel, Roman G., De Kalb, Ill. Molder's-sand-cutting machine. No. 1,084,450; Jan. 13; Gaz. vol. 198; p. 423.
- Kissinger, John H., Spokane, Wash. Corkscrew. No. 1,110,210; Sept. 8; Gaz. vol. 206; p. 521.
- Kist, Joseph L. (See Ohmer and Kist.)
- Kistler, Samuel L., Los Angeles, Cal. Nozzle for vaginal syringes. No. 1,089,061; Mar. 3; Gaz. vol. 200; p. 132.
- Kitch, George. (See Connors, Patrick J., assignor.)
- Kitchell, Oscar. (See Laun and Kitchell.)
- Kitchell, William C., Ormond, Fla. Roller-timer. No. 1,086,598; Feb. 10; Gaz. vol. 199; p. 402.
- Kitchen, Frederick T., West New Brighton, assignor to Gold Car Heating & Lighting Company, New York, N. Y. Controller for heating systems. No. 1,121,635; Dec. 22; Gaz. vol. 209; p. 1071.
- Kitchen, John F., assignor to The Spirella Company, Meadville, Pa. Machine for forming wire stays. No. 1,118,019; Nov. 24; Gaz. vol. 208; p. 1010.

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- Kitchen, John G. A., Lancaster, and I. H. Storey, Ambleside, England. Variable-speed friction-gearing. No. 1,083,328; Jan. 6; Gaz. vol. 198; p. 23.
- Kitchen, John G. A., and I. H. Storey, Lancaster, England. Flying-machine. No. 1,101,510; June 23; Gaz. vol. 203; p. 1215.
- Kitchen, Joseph M. W., East Orange, N. J. Heating apparatus. No. 1,085,210; Jan. 27; Gaz. vol. 198; p. 747.
- Kitchen, Joseph M. W., East Orange, N. J. Utilizing fuel wastes. No. 1,094,390; Apr. 21; Gaz. vol. 201; p. 841.
- Kitchen, Joseph M. W., East Orange, N. J. Utilizing garbage. No. 1,101,129; June 23; Gaz. vol. 203; p. 1083.
- Kitchen, Joseph M. W., East Orange, N. J. Means for generating power. No. 1,117,193; Nov. 17; Gaz. vol. 208; p. 680.
- Kitcher, Henry, Toronto, Ontario, Canada. Wheel and tire therefor. No. 1,088,905; Mar. 3; Gaz. vol. 200; p. 79.
- Kitcher, Henry, Toronto, Ontario, Canada. Wheel and tire therefor. No. 1,113,356; Oct. 13; Gaz. vol. 207; p. 372.
- Kitching, David C., Valley Mills, Tex. Adjustable vehicle-headlight. No. 1,111,724; Sept. 22; Gaz. vol. 206; p. 1133.
- Kitsee, Isidor, Philadelphia, Pa. Well-boring apparatus. No. 1,090,919; Mar. 24; Gaz. vol. 200; p. 891.
- Kitsee, Isidor, Philadelphia, Pa. Printing apparatus. No. 1,092,490; Apr. 7; Gaz. vol. 201; p. 128.
- Kitsee, Isidor, Philadelphia, Pa. Transmitting means for telegraphic signals. No. 1,097,334; May 19; Gaz. vol. 202; p. 821.
- Kitsee, Isidor, Philadelphia, Pa., assignor to The Cort-Kitsee Co. Synchronizing picture-exhibiting and sound-record machine. No. 1,083,498; Jan. 6; Gaz. vol. 198; p. 79.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Telegraph system. No. 1,088,708; Mar. 3; Gaz. vol. 200; p. 13.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Cable-telegraph system. No. 1,089,479; Mar. 10; Gaz. vol. 200; p. 323.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Telegraphy. No. 1,090,217; Mar. 17; Gaz. vol. 200; p. 619.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Electric transmission of energy. No. 1,090,990; Mar. 24; Gaz. vol. 200; p. 916.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Electric transmission of intelligence. No. 1,091,579; Mar. 31; Gaz. vol. 200; p. 1159.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Telegraphic receiving organism. No. 1,092,151; Apr. 7; Gaz. vol. 201; p. 9.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Telegraphy. No. 1,093,001; Apr. 14; Gaz. vol. 201; p. 335.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Relay. No. 1,093,702; Apr. 21; Gaz. vol. 201; p. 615.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Duplex telegraphy. No. 1,094,578; Apr. 28; Gaz. vol. 201; p. 968.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Cable telegraphy. No. 1,095,329; May 5; Gaz. vol. 202; p. 53.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Electric transmission of intelligence. No. 1,096,175; May 12; Gaz. vol. 202; p. 376.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Cable telegraphy. No. 1,097,030; May 19; Gaz. vol. 202; p. 713.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Cable-telegraph system. No. 1,099,380; June 9; Gaz. vol. 203; p. 391.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Cable telegraphy. No. 1,103,421; July 14; Gaz. vol. 204; p. 462.
- Kitsee, Isidor, Philadelphia, assignor to International Quadruplex Company, Pittsburgh, Pa. Telegraphy. No. 1,097,131; May 19; Gaz. vol. 202; p. 749.
- Kitson, James, Buffalo, N. Y. Turn-table. No. 1,099,450; June 9; Gaz. vol. 203; p. 414.
- Kitson Machine Shop. (See Perham, Haven C., assignor.)
- Kitton, John C., Chicago, Ill. Mechanical movement. No. 1,107,529; Aug. 18; Gaz. vol. 205; p. 771.
- Kittredge, Frank C. (See Foster and Kittredge.)
- Kittredge, George H., *et al.* (See McKee, Thomas C., assignor.)
- Kittredge, John W., Boulder, Colo. Centrifugal compressor. No. 1,110,696; Sept. 15; Gaz. vol. 206; p. 734.
- Kitzeman, George G., Des Moines, Iowa. Combination pocket-billiard rack and register. No. 1,114,148; Oct. 20; Gaz. vol. 207; p. 688.
- Kitzes, Sam, New York, N. Y. Safety-razor. No. 1,089,228; Mar. 3; Gaz. vol. 200; p. 191.
- Kizer, John D., Scranton, Pa. Shingle-cutter. No. 1,106,224; Aug. 4; Gaz. vol. 205; p. 222.
- Kjekstad, Gudbrand, *et al.* (See Hansen, Hans C., assignor.)
- Kjeldsen, Halfden. (See Jacobsen, Troy, and Kjeldsen.)
- Kjellberg, Oscar, Gottenborg, Sweden. Preparing electrodes for electric welding or soldering. No. 1,115,317; Oct. 27; Gaz. vol. 207; p. 1154.
- Kjenstad, Carl S., Brandt, S. D. Trace-carrier. No. 1,122,611; Dec. 29; Gaz. vol. 209; p. 1448.
- Kjenstad, Herman S., Brandt, S. D. Binder attachment. No. 1,085,739; Feb. 3; Gaz. vol. 199; p. 57.
- Kjus, Christian C., Maywood, Ill. Vehicle traction means. No. 1,095,888; May 5; Gaz. vol. 202; p. 243.
- Kjuus, Ragnar, Nes, near Aarnes, Norway. Three-horse swingle tree. No. 1,112,625; Oct. 6; Gaz. vol. 207; p. 76.
- Klaber, Augustus D., London, England. Roll of paper for use in copying-machines. No. 1,084,700; Jan. 20; Gaz. vol. 198; p. 539.
- Klaczko, Max, Riga, Russia. Cash-register and the like. No. 1,123,198; Dec. 29; Gaz. vol. 209; p. 1657.
- Klaehn, John C., Berlin, Ontario, assignor, by mesne assignments, to Canadian Consolidated Rubber Company, Limited, Montreal, Canada. Vulcanizing apparatus. No. 1,087,589; Feb. 17; Gaz. vol. 199; p. 796.
- Klages, August. (See Kaufer and Klages.)
- Klages, August. (See Meyer and Klages.)
- Klages, August, Magdeburg, Germany. Continuous production of nitric acid. No. 1,099,452; June 9; Gaz. vol. 203; p. 415.
- Klages, John L., Rockford, Iowa. Draft-equalizer. No. 1,122,949; Dec. 29; Gaz. vol. 209; p. 1566.
- Klapan, Andy. (See Liska, John, assignor.)
- Klappenbach, Albert, San Antonio, Tex. Pedal attachment for pianos. No. 1,111,226; Sept. 22; Gaz. vol. 206; p. 961.
- Klapper, Russell B., Monticello, Ind. Meter-reading device. No. 1,093,193; Apr. 14; Gaz. vol. 201; p. 402.
- Klar, Max, Marquette, Mich. Distilling crude pyroligneous acid. No. 1,089,417; Mar. 10; Gaz. vol. 200; p. 300.
- Klas, William H., *et al.* (See Christoffersen, Hans, assignor.)
- Klass, Arthur W. F. (See Klass, Samuel W., assignor.)
- Klass, Benjamin F., assignor of one-half to J. P. Ryan, New York, N. Y. Non-refillable bottle. No. 1,113,652; Oct. 13; Gaz. vol. 207; p. 474.
- Klass, Samuel W., assignor to A. W. F. Klass, Waukesha, Wis. Egg-testing device. No. 1,097,446; May 19; Gaz. vol. 202; p. 858.
- Klässig, Oskar P., New York, N. Y. Combined blind and awning. No. 1,121,022; Dec. 15; Gaz. vol. 209; p. 822.
- Klatte, Fritz, Schwanheim-on-the-Main, assignor to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Manufacture of esters and ethers of ethylidene glycol and of vinyl alcohol. No. 1,084,581; Jan. 13; Gaz. vol. 198; p. 468.
- Klauder-Weldon Dyeing Machine Company. (See Benosch, Joseph, assignor.)
- Klauder-Weldon Dyeing Machine Company. (See Brown, William W., assignor.)
- Klave, John C., Elk Point, S. D. Seed-corn tester. No. 1,101,856; June 30; Gaz. vol. 203; p. 1384.
- Klawans, George. (See Klawans, Harry I. and G.)
- Klawans, Harry I. and G., Chicago, Ill. Tuft-making machine. No. 1,100,746; June 23; Gaz. vol. 203; p. 948.
- Klawiter, Charles A. (See Nelson and Klawiter.)
- Kleber, Richard, Teplitz-Schönau, Austria-Hungary. Apparatus for shifting rails. No. 1,092,057; Mar. 31; Gaz. vol. 200; p. 1322.
- Kleckner, Phares, Freeport, Ill. Rocking-chair attachment. No. 1,116,295; Nov. 3; Gaz. vol. 208; p. 281.
- Kleebauer, Charles P. (See Sherman and Kleebauer.)
- Kleeberg, Sydney H. (See Grad, Kleeberg, and Harris.)
- Kleeboe Company, The. (See Sherman and Kleebauer, assignors.)
- Kleeblatt, Jacob, *et al.* (See Donor, Austin V., assignor.)
- Kleeblatt, Louis, *et al.* (See Donor, Austin V., assignor.)
- Kleeman, Frederick, assignor of one-half to E. B. Foster, Artesia, N. Mex. Trace-fastener. No. 1,093,436; Apr. 14; Gaz. vol. 201; p. 484.
- Kleemann, Georg, Stuttgart, Germany. Machine for making brushes. No. 1,083,499; Jan. 6; Gaz. vol. 198; p. 79.
- Kleen-Sweep Manufacturing Company. (See Atkins, Charles H., assignor.)
- Kleese, James C., Denver, Colo. Nut-lock. No. 1,095,889; May 5; Gaz. vol. 202; p. 243.
- Kleespies, Louis G., San Francisco, Cal. Screen. No. 1,122,767; Dec. 29; Gaz. vol. 209; p. 1502.

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- Klein, Adolf, New York, N. Y., and J. W. Greenbaum, West Hoboken, N. J. Clip for pen-caps. No. 1,116,078; Nov. 3; Gaz. vol. 208; p. 209.
- Klein, Adolph S. Cleveland, Ohio. Display-case. No. 1,109,339; Sept. 1; Gaz. vol. 206; p. 172.
- Klein, Albert, Cody, Wyo. Milking-machine. No. 1,109,994; Sept. 8; Gaz. vol. 206; p. 444.
- Klein, Albert, Emsworth, Pa. Pipe-wrench. No. 1,115,439; Oct. 27; Gaz. vol. 207; p. 1195.
- Klein, Andrew C. and S. L., Reading, Pa. Gasolene-engine. No. 1,101,699; June 30; Gaz. vol. 203; p. 1330.
- Klein, Augustus J., Orange, N. J. Nose-guard for eye-glasses. No. 1,109,930; Sept. 8; Gaz. vol. 206; p. 421.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric-switch device. No. 1,086,599; Feb. 10; Gaz. vol. 199; p. 402.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,111,798; Sept. 29; Gaz. vol. 206; p. 1196.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,114,149; Oct. 20; Gaz. vol. 207; p. 689.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,119,966; Dec. 8; Gaz. vol. 209; p. 402.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Cap for lamp-sockets, pendant-switches, and electrical devices. No. 1,121,374; Dec. 15; Gaz. vol. 209; p. 945.
- Klein, Conrad, Philadelphia, Pa. Fender. No. 1,093,785; Apr. 21; Gaz. vol. 201; p. 640.
- Klein, Ernest, New York, N. Y. Ground-connector. No. 1,095,733; May 5; Gaz. vol. 202; p. 191.
- Klein, Hans, Olin, Iowa. Brake. No. 1,118,021; Nov. 24; Gaz. vol. 208; p. 1011.
- Klein, Jacob J., Kearney, Nebr. Closet. No. 1,096,843; May 19; Gaz. vol. 202; p. 646.
- Klein, Jacob J., Kearney, Nebr. Disinfectant-distributer for closets. No. 1,108,911; Sept. 1; Gaz. vol. 206; p. 17.
- Klein, John, Prince Albert, Saskatchewan, Canada. Self-leveling article of furniture. No. 1,116,296; Nov. 3; Gaz. vol. 208; p. 281.
- Klein, John V., Battle Creek, Nebr. Toy. No. 1,089,229; Mar. 3; Gaz. vol. 200; p. 191.
- Klein, Louis J., Newtown, Mo. Bolt and nut lock. No. 1,121,258; Dec. 15; Gaz. vol. 209; p. 906.
- Klein, Mathias J., assignor of sixty one-hundredths to H. B. Roelker, New York, N. Y. Mile, speed, curve, and danger indicator. No. 1,101,079; June 23; Gaz. vol. 203; p. 1066.
- Klein, Otto, Paterson, N. J. Self-indicating target. No. 1,100,246; June 16; Gaz. vol. 203; p. 723.
- Klein, Paula, New York, N. Y. Bandage-corset. No. 1,107,078; Aug. 11; Gaz. vol. 205; p. 563.
- Klein, Rudolph, and T. Brueck, Rochester, N. Y. Camera-shutter. No. 1,091,666; Mar. 31; Gaz. vol. 200; p. 1189.
- Klein, Rudolph, and T. Brueck, Rochester, N. Y. Camera-shutter. No. 1,122,950; Dec. 29; Gaz. vol. 209; p. 1567.
- Klein, Rudolph, and T. Brueck, assignors to M. Rosenbloom, Rochester, N. Y. Camera-shutter. No. 1,092,110; Mar. 31; Gaz. vol. 200; p. 1341.
- Klein, Simon, Vienna, Austria-Hungary. Incandescent electric lamp. No. 1,113,653; Oct. 13; Gaz. vol. 207; p. 475.
- Klein, Stephen L. (See Klein, Andrew C. and S. L.)
- Kleinegger, Ferdinand G., Minneapolis, Minn. Guard for lath-machines. No. 1,108,586; Aug. 25; Gaz. vol. 205; p. 1190.
- Kleiner, Edward, Chicago, Ill. Lock. No. 1,122,768; Dec. 29; Gaz. vol. 209; p. 1502.
- Kleinert, Paul F., assignor, by mesne assignments, to The Connecticut Hook & Eye Company, Waterbury, Conn. Eye-hopper. No. 1,095,330; May 5; Gaz. vol. 202; p. 54.
- Kleinfeldt, Arthur, and B. F. Priemer, Hoboken, N. J.; said Priemer assignor to said Kleinfeldt. Siphon for dispensing liquids. No. 1,099,925; June 16; Gaz. vol. 203; p. 614.
- Kleinow, George A., North McGregor, Iowa. Pump drive-gearing. No. 1,115,837; Nov. 3; Gaz. vol. 208; p. 125.
- Kleinschmidt, Daniel H., Buffalo, N. Y. Exercising-machine or gaming apparatus. No. 1,105,329; July 28; Gaz. vol. 204; p. 1216.
- Kleinschmidt, Edward E., assignor to Kleinschmidt Electric Company, Inc., New York, N. Y. Keyboard tape-perforator. No. 1,085,984; Feb. 3; Gaz. vol. 199; p. 145.
- Kleinschmidt, Edward E., assignor to Kleinschmidt Electric Company, Inc., New York, N. Y. Keyboard tape-perforator. No. 1,085,985; Feb. 3; Gaz. vol. 199; p. 145.
- Kleinschmidt, Edward E., New York, N. Y., assignor to Hall Switch & Signal Company. Electrical signaling system. No. 1,114,007; Oct. 20; Gaz. vol. 207; p. 638.
- Kleinschmidt Electric Company. (See Kleinschmidt, Edward E., assignor.)
- Kleinschmidt, Henry F. A., assignor to The Lorain Steel Company, Johnstown, Pa. Rail-joint. No. 1,111,594; Sept. 22; Gaz. vol. 206; p. 1087.
- Klemm, Edwin O., Saginaw, Mich. Automatic brake for sound-reproducing machines. No. 1,089,230; Mar. 3; Gaz. vol. 200; p. 192.
- Klemm, Hermann A., Harrison, N. Y. Bag-tying machine. No. 1,084,549; Jan. 13; Gaz. vol. 198; p. 456.
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- Klenck, John H., Warren, Pa. Automatic acetylene-generator. No. 1,114,772; Oct. 27; Gaz. vol. 207; p. 962.
- Klenke Cushion Axle Company. (See Klenke, Theodore A., assignor.)
- Klenke Cushion Axle Company. (See Klenke and Olsen, assignors.)
- Klenke Cushion Axle Company. (See Olsen, Sigward, assignor.)
- Klenke, Theodore A., New York, N. Y., assignor to Klenke Cushion Axle Company. Vehicle. No. 1,107,311; Aug. 18; Gaz. vol. 205; p. 694.
- Klenke, Theodore A., New York, N. Y., assignor to Klenke Cushion Axle Company. Motor-vehicle. No. 1,119,019; Dec. 1; Gaz. vol. 209; p. 42.
- Klenke, Theodore A., New York, N. Y., assignor to Klenke Cushion Axle Company. Pneumatic suspension device for shaft-driven motor-vehicles. No. 1,119,020; Dec. 1; Gaz. vol. 209; p. 42.
- Klenke, Theodore A., New York, N. Y., assignor to Klenke Cushion Axle Company. Vehicle suspension. No. 1,119,021; Dec. 1; Gaz. vol. 209; p. 43.
- Klenke, Theodore A., and S. Olsen, New York, N. Y., assignors to Klenke Cushion Axle Company. Cushioning device for vehicles. No. 1,119,018; Dec. 1; Gaz. vol. 209; p. 41.
- Klesa, Albert H., *et al.* (See Ostendorf, Wilhelm L., assignor.)
- Klett, Albert G., Milwaukee, Wis. Fly-trap. No. 1,112,538; Oct. 6; Gaz. vol. 207; p. 45.
- Klett, Christian F., Parkesburg, Pa. Snap-button. No. 1,118,022; Nov. 24; Gaz. vol. 208; p. 1011.
- Klett, Henry G., New York, N. Y. Machine for feeding and capping bottles. No. 1,086,827; Feb. 10; Gaz. vol. 199; p. 481.
- Kleven, Carl H., Summit, S. D. Terret. No. 1,100,576; June 16; Gaz. vol. 203; p. 837.
- Kliber, William C., assignor of one-half to O. Patton and three-eighths to H. Spicer, Federalsburg, Md. Nut-lock. No. 1,099,752; June 9; Gaz. vol. 203; p. 517.
- Klickman, Rudolph H., Chicago, Ill. Hat-fastener. No. 1,087,123; Feb. 17; Gaz. vol. 199; p. 632.
- Klien, Ewald R., and H. R. Lindner, Dresden, Germany. Multiaxle railway-vehicle. No. 1,100,577; June 16; Gaz. vol. 203; p. 837.
- Kliwer, Frank J., Newton, Kans. Harrow attachment for plows. No. 1,102,053; June 30; Gaz. vol. 203; p. 1458.
- Kliwer, Peter H., Woodburn, Oreg. Attachment for mowing-machines. No. 1,103,779; July 14; Gaz. vol. 204; p. 589.
- Kliwer, Peter H., Woodburn, Oreg. Swath cleaner and divider for mowing-machines. No. 1,121,375; Dec. 15; Gaz. vol. 209; p. 945.
- Klimczyk, John, Chicago, Ill. Locked garment rack. No. 1,118,497; Nov. 24; Gaz. vol. 208; p. 1179.
- Klimeczek, Franciszek, and J. Zeleznik, Filbert, W. Va. Rail-joint. No. 1,098,909; June 2; Gaz. vol. 203; p. 188.
- Klin, Agnes M., assignor to The Germless Paper Cup Company, Dayton, Ohio. Folding paper vessel. No. 1,121,259; Dec. 15; Gaz. vol. 209; p. 906.
- Klin, John R. (See Rike and Klin.)
- Kline, Charles D., and E. Nall, assignors to The Goodyear Tire and Rubber Company, Akron, Ohio. Shoe for ladders. No. 1,113,446; Oct. 13; Gaz. vol. 207; p. 404.
- Kline, Charles E., Burke, Wash. Weed-cutter. No. 1,111,908; Sept. 29; Gaz. vol. 206; p. 1236.
- Kline, George P., Wilkes-Barre, Pa. Mold. No. 1,100,831; June 23; Gaz. vol. 203; p. 978.
- Kline, Richard E., Los Angeles, Cal. Crown-block. No. 1,108,078; Aug. 18; Gaz. vol. 205; p. 964.
- Kline, Richard E., Los Angeles, Cal., assignor to Oil Well Supply Company, Pittsburgh, Pa. Rotary drilling-rig. No. 1,099,453; June 9; Gaz. vol. 203; p. 415.
- Kline, Richard E., Los Angeles, Cal., assignor to Oil Well Supply Company, Pittsburgh, Pa. Rotary drilling-rig. No. 1,103,518; July 14; Gaz. vol. 204; p. 495.
- Kline, William, Woodstock, Va., assignor of one-half to W. J. Moore, Washington, D. C. Type-writer erasing device. No. 1,108,994; Sept. 1; Gaz. vol. 206; p. 48.
- Kling, Louis A., East Cleveland, Ohio, assignor to The J. G. Brill Company, Philadelphia, Pa. Door-operating mechanism. No. 1,100,578; June 16; Gaz. vol. 203; p. 838.
- Kling, Louis A., Elizabeth, N. J., assignor to The J. G. Brill Company, Philadelphia, Pa. Slack-adjuster for car-brakes. No. 1,110,141; Sept. 8; Gaz. vol. 206; p. 499.
- Kling, Orlando, Denver, Colo. Knockdown crate. No. 1,107,312; Aug. 18; Gaz. vol. 205; p. 694.
- Klingemann, Charles B., South Weymouth, and W. G. Ruggles, Reading, Mass. Exhaust-head. No. 1,091,145; Mar. 24; Gaz. vol. 200; p. 970.
- Klingsmith, Levi K., *et al.* (See Hughes, Hugh T., assignor.)
- Klinger & Bach. (See Handelsman, Morris, assignor.)

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- Klingler, George H. and W. H. Emlenton, Pa., assignors of one-half to Wright Wire Company, Worcester, Mass. Marlinespike. No. 1,121,927; Dec. 22; Gaz. vol. 209; p. 1174.
- Klingler, Victor O., Slayton, Minn. Scale. No. 1,091,349; Mar. 24; Gaz. vol. 200; p. 1036.
- Klingler, William H. (See Klingler, George H. and W. H.)
- Klink, Fred, H. J. Adenauer, and F. Wolf, Denver, Colo. Ham press and retainer. No. 1,101,193; June 23; Gaz. vol. 203; p. 1105.
- Klinkosch, Karl. (See Hyra and Klinkosch.)
- Klintberg, Eddy M., Seattle, Wash. Extinguisher for burners. No. 1,104,905; July 28; Gaz. vol. 204; p. 1068.
- Klitchko, Frank, Cleveland, Ohio. Shield-cleaner. No. 1,086,371; Feb. 10; Gaz. vol. 199; p. 322.
- Klitzsch, Franziska. (See Klitzsch, Max and F.)
- Klitzsch, Max and F., Leipzig, Germany. Registering-valve. No. 1,084,015; Jan. 13; Gaz. vol. 198; p. 280.
- Klobuchar, George H., Rathbun, Iowa. Lock. No. 1,100,579; June 16; Gaz. vol. 203; p. 838.
- Klobukowski, Wladyslaw P., Warsaw, Russia. Heater. No. 1,107,966; Aug. 18; Gaz. vol. 205; p. 924.
- Klocke, William, assignor to E. W. Bliss Company, Brooklyn, N. Y. Press. No. 1,108,187; Aug. 25; Gaz. vol. 205; p. 1050.
- Kloepfel, Louis F., Boston, Mass. Musical wind instrument. No. 1,122,207; Dec. 22; Gaz. vol. 209; p. 1270.
- Klohs, Bartholomew F., assignor to The Diebold Safe and Lock Company, Canton, Ohio. Bolt-operating mechanism for safe-doors. No. 1,118,426; Nov. 24; Gaz. vol. 208; p. 1153.
- Klohs, Bartholomew F., assignor to The Diebold Safe and Lock Company, Canton, Ohio. Keyhole-guard for multiple-key locks. No. 1,118,427; Nov. 24; Gaz. vol. 208; p. 1153.
- Klohs, Sam F., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Carline structure. No. 1,109,340; Sept. 1; Gaz. vol. 206; p. 172.
- Klone, Silas, Fort Collins, Colo. Tire-heater. No. 1,117,401; Nov. 17; Gaz. vol. 208; p. 754.
- Klopper, Friedrich A. V., Dresden-Leubnitz, Germany. Manufacture of milled soap. No. 1,085,437; Jan. 27; Gaz. vol. 198; p. 825.
- Klopp, Rudolph F., Thermopolis, Wyo. False bottom for washtubs and the like. No. 1,116,711; Nov. 10; Gaz. vol. 208; p. 472.
- Klopping, Adolph C., assignor of one-half to The Toledo Parlor Furniture Company, Toledo, Ohio. Bed-davenport. No. 1,098,910; June 2; Gaz. vol. 203; p. 188.
- Kluck, Ernest M., assignor of one-half to himself and one-half to N. C. Newerf, Buffalo, N. Y. Automobile-radiator. No. 1,101,080; June 23; Gaz. vol. 203; p. 1067.
- Kluge, August, Brooklyn, N. Y. Vat for dyeing straw and the like. No. 1,121,023; Dec. 15; Gaz. vol. 209; p. 823.
- Kluge, Eduard, Leipzig, Germany. Apparatus for unrolling steam and the like. No. 1,109,588; Sept. 1; Gaz. vol. 206; p. 256.
- Kluge, Otto, Golconda, Ill. Mowing attachment for motor-vehicles. No. 1,092,720; Apr. 7; Gaz. vol. 201; p. 205.
- Kluge, Otto, Golconda, Ill. Harvester. No. 1,092,721; Apr. 7; Gaz. vol. 201; p. 205.
- Kluge, Otto, Golconda, Ill. Mowing attachment for motor-vehicles. No. 1,092,722; Apr. 7; Gaz. vol. 201; p. 205.
- Kluge, Otto, Golconda, Ill. Mowing-machine. No. 1,102,929; July 7; Gaz. vol. 204; p. 245.
- Kluge, William H., Indianapolis, Ind. Emblem. No. 1,103,422; July 14; Gaz. vol. 204; p. 463.
- Klumph, George H., and J. E. Houston, Chicago, Ill. Water-heater. No. 1,107,313; Aug. 18; Gaz. vol. 205; p. 695.
- Klunker, Frederick E., Canon City, Colo. Concrete-distributor. No. 1,096,543; May 12; Gaz. vol. 202; p. 502.
- Klunker, Frederick E., Canon City, Colo. Conveyor-flight. No. 1,121,511; Dec. 15; Gaz. vol. 209; p. 992.
- Knaak, Frank J. C. F., Saratoga Springs, N. Y. Heater for internal-combustion engines. No. 1,107,967; Aug. 18; Gaz. vol. 205; p. 924.
- Knaak, George A., Oshkosh, Wis. Electrical switch. No. 1,085,920; Feb. 3; Gaz. vol. 199; p. 120.
- Knabe, Frederick H. L., St. Louis, Mo. Safety door-fastener. No. 1,087,590; Feb. 17; Gaz. vol. 199; p. 796.
- Knackstedt, Louis C., Annapolis, assignor to J. S. Clark, Baltimore, Md. Musical-instrument pick. No. 1,117,056; Nov. 10; Gaz. vol. 208; p. 592.
- Knagge, Joseph, Chicago Heights, Ill., assignor to The Baldwin Company, Cincinnati, Ohio. Player-piano pneumatic bellows. No. 1,106,820; Aug. 11; Gaz. vol. 205; p. 475.
- Knap, William F., Des Moines, Iowa. Book-cover. No. 1,109,846; Sept. 8; Gaz. vol. 206; p. 390.
- Knapen, Achille, Brussels, Belgium. Drying building structures and materials therefor. No. 1,095,734; May 5; Gaz. vol. 202; p. 192.
- Knapp, Alice H., Asbury Park, N. J. Nursing-garment. No. 1,098,155; May 26; Gaz. vol. 202; p. 1151.
- Knapp, Edward L. (See Knapp, George J. and E. L.)
- Knapp, Fred H., Westminster, Md., and C. W. Blackstone, Chicago, Ill., assignors to Fred H. Knapp Company, Westminster, Md. Labeling-machine. No. 1,106,100; Aug. 4; Gaz. vol. 205; p. 181.
- Knapp, Frederick H., assignor to The Fred. H. Knapp Company, Westminster, Md. Labeling-machine. No. 1,091,850; Mar. 31; Gaz. vol. 200; p. 1254.
- Knapp, Frederick H., assignor to The Fred H. Knapp Company, Westminster, Md. Can-labeling machine. No. 1,100,978; June 23; Gaz. vol. 203; p. 1031.
- Knapp, Frederick H., assignor to Fred H. Knapp Company, Westminster, Md. Can-labeling machine. No. 1,108,188; Aug. 25; Gaz. vol. 205; p. 1050.
- Knapp, George J. and E. L., Dayton, Ohio. Dust-collector. No. 1,106,101; Aug. 4; Gaz. vol. 205; p. 182.
- Knapp, George O. (See Beach, Clarence E., assignor.)
- Knapp, George O. (See Beach and Doughty, assignors.)
- Knapp, George O. (See Doughty, Herman W., assignor.)
- Knapp, George W., assignor to National Enameling & Stamping Co., Baltimore, Md. Flame-spreader for oil-burners. No. 1,091,667; Mar. 31; Gaz. vol. 200; p. 1190.
- Knapp, John E. (See Payne and Knapp.)
- Knapp, John E., Belmont, Mass. Safety-razor. No. 1,092,367; Apr. 7; Gaz. vol. 201; p. 84.
- Knapp, Moses A., Oakland, Cal. Rock-drill bit. No. 1,118,292; Nov. 24; Gaz. vol. 208; p. 1103.
- Knapp, Paul S., Akron, Ohio. Bowling-alley. No. 1,091,350; Mar. 24; Gaz. vol. 200; p. 1037.
- Knapp, Sewell A., assignor of one-half to H. A. Willson, San Francisco, Cal. Kelp-harvester. No. 1,120,206; Dec. 8; Gaz. vol. 209; p. 488.
- Knapp, Theron L., Woodstock, assignor to The Oliver Typewriter Company, Chicago, Ill. Type-writing machine. No. 1,112,626; Oct. 6; Gaz. vol. 207; p. 77.
- Knapp, Theron L., Woodstock, assignor to The Oliver Typewriter Company, Chicago, Ill. Ribbon mechanism for type-writers. No. 1,115,684; Nov. 3; Gaz. vol. 208; p. 75.
- Knapp, Theron L., Woodstock, assignor to The Oliver Typewriter Company, Chicago, Ill. Type-writing machine. No. 1,115,685; Nov. 3; Gaz. vol. 208; p. 75.
- Knapp, Theron L., Woodstock, assignor to The Oliver Typewriter Company, Chicago, Ill. Safety-loop for type-writing machines. No. 1,120,391; Dec. 8; Gaz. vol. 209; p. 553.
- Knapp, Theron L., and C. C. Harting, Woodstock, assignors to The Oliver Typewriter Company, Chicago, Ill. Type-writing-machine frame. No. 1,110,062; Sept. 8; Gaz. vol. 206; p. 467.
- Knapp, Thomas H., Chicago, Ill. Linotype-magazine rack. No. 1,084,744; Jan. 20; Gaz. vol. 198; p. 553.
- Knapp, William G. (See Wilcox and Knapp.)
- Knapp, William G., Alhambra, and C. E. Wilcox, Bakersfield, Cal. Pipe-wrench. No. 1,096,377; May 12; Gaz. vol. 202; p. 446.
- Knapp, William G., Alhambra, and C. E. Wilcox, East Bakersfield, Cal. Pipe-wrench. No. 1,102,517; July 7; Gaz. vol. 204; p. 103.
- Knauer, Casper, Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Chair. No. 1,095,890; May 5; Gaz. vol. 202; p. 243.
- Knauff, George C., Chicago, Ill. Switching socket or connector. No. 1,083,542; Jan. 6; Gaz. vol. 198; p. 94.
- Knauff, George C., Chicago, Ill. Connector-plug. No. 1,088,997; Mar. 3; Gaz. vol. 200; p. 111.
- Knauff, George C., Chicago, Ill. Electric socket. No. 1,090,629; Mar. 17; Gaz. vol. 200; p. 764.
- Knauff, George C., Chicago, Ill. Socket for electric lamps. No. 1,090,630; Mar. 17; Gaz. vol. 200; p. 764.
- Knauff, George C., Chicago, Ill. Electric socket and connector. No. 1,101,289; June 23; Gaz. vol. 203; p. 1137.
- Knauff, George C., Chicago, Ill. Wire-connector. No. 1,101,939; June 30; Gaz. vol. 203; p. 1414.
- Knauff, George C., Chicago, Ill. Lamp-socket. No. 1,106,459; Aug. 11; Gaz. vol. 205; p. 347.
- Knauff, George C., Chicago, Ill. Electric-lamp socket. No. 1,109,633; Sept. 1; Gaz. vol. 206; p. 273.
- Knauff, George C., Chicago, Ill. Focusing lamp-socket. No. 1,110,795; Sept. 15; Gaz. vol. 206; p. 768.
- Knauff, George C., Chicago, Ill. Wire-terminal. No. 1,114,366; Oct. 20; Gaz. vol. 207; p. 766.
- Knauff, George C., Chicago, Ill. Switching socket or connector. No. 1,119,832; Dec. 8; Gaz. vol. 209; p. 356.
- Knauff, Philip J., New York, N. Y. Spring-attaching clip. No. 1,104,678; July 21; Gaz. vol. 204; p. 939.
- Knaus, John J., San Antonio, Tex. Combination tie and rail-joint. No. 1,117,958; Nov. 17; Gaz. vol. 208; p. 948.
- Knauss, James E., Healdsburg, Cal. Stationary-dispensing cabinet. No. 1,095,579; May 5; Gaz. vol. 202; p. 139.
- Knautz, Henry W., Chicago, Ill. Display device. No. 1,122,208; Dec. 22; Gaz. vol. 209; p. 1270.
- Kneas, Frank N., Norristown, Pa. Hanger-socket. No. 1,090,545; Mar. 17; Gaz. vol. 200; p. 734.
- Kneass, Strickland L., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Coupling-nut. No. 1,103,591; July 14; Gaz. vol. 204; p. 523.

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- Knecht, Benno. (See Reiss, Paul, assignor.)
- Knecht, Johann J., assignor to Maschinenfabrik Kappel A. G., Kappel, near Chemnitz, Germany. Embroidering-machine. No. 1,120,722; Dec. 15; Gaz. vol. 209; p. 717.
- Kneedler, John D., assignor of one-half to B. Couch, Sioux City, Iowa. Starting device. No. 1,112,627; Oct. 6; Gaz. vol. 207; p. 77.
- Kneeland, Ernest S., Malden, Mass. Automatic weighing device. No. 1,109,293; Sept. 1; Gaz. vol. 206; p. 154.
- Kneisly, Daniel W., Dayton, Ohio. Line-connector. No. 1,112,415; Sept. 29; Gaz. vol. 206; p. 1409.
- Knezek, Louis, Woodhaven, N. Y. Safety-valve for gas-stoves. No. 1,121,024; Dec. 15; Gaz. vol. 209; p. 823.
- Knickerbocker, James B., Indianapolis, Ind. Multiple-cone clutch. No. 1,091,351; Mar. 24; Gaz. vol. 200; p. 1037.
- Knickrehm, Charles H. W., Forest Park, Ill. Combination desk and seat for school-rooms. No. 1,103,884; July 14; Gaz. vol. 204; p. 625.
- Kniel, Lewis J., Detroit, Mich. Locking device for internal-combustion engines. No. 1,108,995; Sept. 1; Gaz. vol. 206; p. 49.
- Knies, Henry E., White Haven, Pa. Fountain-pen. No. 1,092,368; Apr. 7; Gaz. vol. 201; p. 84.
- Kniffen, Frederick, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Pyroxylin solvent. No. 1,118,498; Nov. 24; Gaz. vol. 208; p. 1179.
- Knight, Albert B., Fairmont, W. Va. Glass-heating burner. No. 1,109,131; Sept. 1; Gaz. vol. 206; p. 96.
- Knight, Arthur S., Newark, N. J., assignor to Westinghouse Lamp Company. Electric incandescent lamp. No. 1,104,807; July 28; Gaz. vol. 204; p. 1033.
- Knight, Arthur S., Newark, N. J., assignor to Westinghouse Lamp Company. Incandescent lamp. No. 1,116,595; Nov. 10; Gaz. vol. 208; p. 431.
- Knight, Charles Y., Oak Park, assignor to Knight and Kilbourne Patents Company, Chicago, Ill. Internal-combustion engine. No. 1,090,991; Mar. 24; Gaz. vol. 200; p. 916.
- Knight, Earle R., Norwood, Ohio, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Means for assembling cores of dynamo-electric machines. No. 1,090,920; Mar. 24; Gaz. vol. 200; p. 892.
- Knight, Edward B., Meaford, Ontario, Canada. Propeller. No. 1,098,156; May 26; Gaz. vol. 202; p. 1151.
- Knight, George W., New York, N. Y. Compressor or abdominal supporter. No. 1,119,614; Dec. 1; Gaz. vol. 209; p. 247.
- Knight, Grover C., Grove, Okla. Planter and cultivator. No. 1,085,438; Jan. 27; Gaz. vol. 198; p. 825.
- Knight, H. D., *et al.* (See Wood, Jarett B., assignor.)
- Knight, Hale, *et al.* (See Williams, John, assignor.)
- Knight, Henry W., Collins, Miss. Plow attachment. No. 1,116,826; Nov. 10; Gaz. vol. 208; p. 513.
- Knight, Herbert, New York, N. Y. Composite dramatic production. No. 1,102,595; July 7; Gaz. vol. 204; p. 131.
- Knight, Herbert L., and B. W. Sweet, Cleveland, Ohio, assignors, by mesne assignments, to Century Telephone Construction Company, Buffalo, N. Y. Telephone desk set. No. 1,083,406; Jan. 6; Gaz. vol. 198; p. 50.
- Knight, Howard S. (See Brox and Knight.)
- Knight and Kilbourne Patents Company. (See Knight, Charles Y., assignor.)
- Knight, Margaret E., South Framingham, Mass., assignor to K-D Motor Company. Packing-ring. No. 1,086,299; Feb. 3; Gaz. vol. 199; p. 251.
- Knight, Walter A., trustee. (See Benham, Edgar M., assignor.)
- Knight, William H., Cleveland, Ohio. Gas-meter. No. 1,090,864; Mar. 24; Gaz. vol. 200; p. 871.
- Knight, William L., assignor to P. Arbon, Tulsa, Okla. Clamp. No. 1,093,703; Apr. 21; Gaz. vol. 201; p. 616.
- Knights, George L., assignor to Pettingell Machine Co., Amesbury, Mass. Beading, molding, and cutting machine. No. 1,085,568; Jan. 27; Gaz. vol. 198; p. 867.
- Knights, Lee A. (See Gilman and Knights.)
- Knipe, Oliver C., Palo Alto, Cal. Method of and apparatus for electric welding and article produced thereby. No. 1,115,943; Nov. 3; Gaz. vol. 208; p. 162.
- Knips, Christoph, Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Berlin, Germany. Protecting pumps from ozone. No. 1,103,211; July 14; Gaz. vol. 204; p. 393.
- Knit Goods Specialty Company. (See Flint, Frank C., assignor.)
- Knittel, David G., assignor to American Fire Alarm Company, Pittsburgh, Pa. Signal device. No. 1,092,918; Apr. 14; Gaz. vol. 201; p. 308.
- Knittel, David G., and W. J. Davis, assignors to American Fire Alarm Company, Pittsburgh, Pa. Signal-transmitter. No. 1,092,919; Apr. 14; Gaz. vol. 201; p. 308.
- Knoblauch, Conrad H., Newark, N. J. Photographic-film developing and drying device. No. 1,088,906; Mar. 3; Gaz. vol. 200; p. 80.
- Knoblock, George A., assignor to South Bend Chilled Plow Company, South Bend, Ind. Adjusting means for plow-points. No. 1,118,023; Nov. 24; Gaz. vol. 208; p. 1011.
- Knoblock, James B., Chicago, Ill. Pulverizer. No. 1,104,121; July 21; Gaz. vol. 204; p. 747.
- Knoedler, Elmer L., assignor to Welsbach Light Company, Gloucester City, N. J. Mantle for inverted incandescent gas-lamps and tying the same. No. 1,104,515; July 21; Gaz. vol. 204; p. 884.
- Knoedler, Elmer L., assignor to Welsbach Light Company, Gloucester City, N. J. Manufacture of incandescent mantles. No. 1,122,951; Dec. 29; Gaz. vol. 209; p. 1567.
- Knoepfler, Gebhardt, Baltimore, Md. Composition of matter for making fly-paper. No. 1,084,091; Jan. 13; Gaz. vol. 198; p. 306.
- Knoerzer, Otto, assignor to Champion Potato Machinery Company, Hammond, Ind. Potato-sorter. No. 1,090,817; Mar. 17; Gaz. vol. 200; p. 824.
- Knoevenagel, Emil, Heidelberg, Germany. Compound or derivative of cellulose and obtaining the same. No. 1,090,074; Mar. 10; Gaz. vol. 200; p. 528.
- Knöffer & Co., Firm of Dr. O. (See Arnold, Hans, assignor.)
- Knoll, Ernst, assignor to Metall- und Isolier-Werke G. m. b. H. Meiningen, Meiningen, Germany. Manufacturing a substitute for vulcanite. No. 1,088,907; Mar. 3; Gaz. vol. 200; p. 80.
- Knoll, George W., Chicago, Ill., assignor to J. T. Underwood, Brooklyn, N. Y. Carriage-return mechanism. No. 1,107,530; Aug. 18; Gaz. vol. 205; p. 772.
- Knoll, James H. (See Miller, Willoughby S., assignor.)
- Knopf Brothers Manufacturing Company. (See Knopf, Carl and P., assignors.)
- Knopf, Carl and P., assignors to Knopf Brothers Manufacturing Company, New York, N. Y. Recording-speedometer. No. 1,097,590; May 19; Gaz. vol. 202; p. 908.
- Knopf, Carl and P., assignors to Knopf Brothers Manufacturing Company, New York, N. Y. Recording-speedometer. No. 1,097,591; May 19; Gaz. vol. 202; p. 907.
- Knopf, Charles W., and C. R. Burrier, Philadelphia, Pa., assignors to The Davis Sewing Machine Company, Dayton, Ohio. Machine for uniting materials adhesively. No. 1,097,864; May 26; Gaz. vol. 202; p. 1048.
- Knopf, George W., Pottstown, Pa. Fire door or window. No. 1,112,071; Sept. 29; Gaz. vol. 206; p. 1287.
- Knopf, Paul. (See Knopf, Carl and P.)
- Knopf, Wilhelm, Berlin, Germany. Pocket-lantern. No. 1,096,726; May 12; Gaz. vol. 202; p. 563.
- Knorpp Candy Company. (See Knorpp, Max, assignor.)
- Knorpp, Max, New York, assignor to Knorpp Candy Company, Brooklyn, N. Y. Candle-holder. No. 1,110,796; Sept. 15; Gaz. vol. 206; p. 768.
- Knorr, Gottlieb F., Des Moines, Iowa. Spark-gap. No. 1,111,963; Sept. 29; Gaz. vol. 206; p. 1252.
- Knösel, Theodor, Neustadt, Germany. Fertilizer and manufacturing the same. No. 1,108,189; Aug. 25; Gaz. vol. 205; p. 1051.
- Knötgen, Mathias, assignor to Gesellschaft Zur Verwertung von Feuerwaffen-Patenten m. b. H., Cologne, Germany. Automatic firearm. No. 1,114,150; Oct. 20; Gaz. vol. 207; p. 689.
- Knothe Brothers. (See Knothe, Frank F., assignor.)
- Knothe, Frank F., Ridgewood, N. J., assignor to Knothe Brothers, Inc., New York, N. Y. Collar box or bag. No. 1,087,955; Feb. 24; Gaz. vol. 199; p. 969.
- Knothe, Frank F., Ridgewood, N. J., assignor to Knothe Brothers, Inc., New York, N. Y. Hose-supporter. No. 1,119,833; Dec. 8; Gaz. vol. 209; p. 357.
- Knott, Jacob, Paterson, N. J. Fiber-covered metallic tubing, a device for silk stretching and drying machines. No. 1,088,029; Feb. 24; Gaz. vol. 199; p. 995.
- Knott, Miller, and A. C. Bible, Cleburne, Tex. Bricklayer's guide-line holder. No. 1,092,058; Mar. 31; Gaz. vol. 200; p. 1323.
- Kñiurek, Franz, Mies, Austria-Hungary. Turbine. No. 1,085,088; Jan. 20; Gaz. vol. 198; p. 668.
- Knowelden, Clarence A., Lewisham, England, assignor to The Reinforced Brickwork Company, Limited, Winnipeg, Canada. Wire-netting machine. No. 1,119,759; Dec. 1; Gaz. vol. 209; p. 293.
- Knowles, George H. (See Gray and Knowles.)
- Knowles, James H., Providence, R. I. Blind-hinge. No. 1,096,727; May 12; Gaz. vol. 202; p. 563.
- Knowles, Joseph S., Atlanta, Ill. Cooking utensil. No. 1,091,517; Mar. 31; Gaz. vol. 200; p. 1138.
- Knowles, Latham A., assignor of one-half to O. E. Harvick, Vienna, Ill. Stove. No. 1,085,740; Feb. 3; Gaz. vol. 199; p. 57.
- Knowles, Roscoe C., Empire, Ala. Demountable rim for wheels. No. 1,098,040; May 26; Gaz. vol. 202; p. 1112.
- Knowlton, Augustus B., Columbia, S. C. Bed-pan. No. 1,091,352; Mar. 24; Gaz. vol. 200; p. 1038.
- Knowlton, Charles E., North Grafton, assignor to The Whittin Machine Works, Whitinsville, Mass. Combining-machine. No. 1,117,507; Nov. 17; Gaz. vol. 208; p. 791.
- Knowlton, Charles F., Ross township, Allegheny county, and F. F. Elliot, Pittsburgh, Pa., assignors to The Osborn Manufacturing Company, Cleveland, Ohio. Molding-machine. No. 1,094,723; Apr. 28; Gaz. vol. 201; p. 1022.

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- Knox, Phil H. (See Wright and Knowlton.)
- Knox Automobile Company. (See Farr, Herman G., assignor.)
- Knox, Charles E. (See Urquhart, Charles H., assignor.)
- Knox, Edward, Montreal, Quebec, Canada. Polish for furniture. No. 1,088,998; Mar. 3; Gaz. vol. 200; p. 111.
- Knox, George, assignor of one-half to J. L. Baker, Omaha, Nebr. Controlling device for refrigerating systems. No. 1,103,885; July 14; Gaz. vol. 204; p. 625.
- Knox, Harry D., Marietta, Ohio. Latrine. No. 1,092,920; Apr. 14; Gaz. vol. 201; p. 309.
- Knox, John O., assignor to The Waterloo Register Company, Waterloo, Iowa. Towel-rack. No. 1,087,450; Feb. 17; Gaz. vol. 199; p. 748.
- Knox, Kirk H., Exira, Iowa. Combined strainer and brush-holder. No. 1,111,159; Sept. 22; Gaz. vol. 206; p. 937.
- Knox, Luther L., Avalon, assignor to Keystone Furnace Construction Company, Pittsburgh, Pa. Reversing regenerative furnace. No. 1,085,138; Jan. 27; Gaz. vol. 198; p. 722.
- Knox, Luther L., Avalon, assignor to Knox Pressed & Welded Steel Company, Pittsburgh, Pa. Reversing regenerative furnace. No. 1,085,139; Jan. 27; Gaz. vol. 198; p. 722.
- Knox, Luther L., Avalon, assignor to Knox Pressed & Welded Steel Company, Pittsburgh, Pa. Valve and flue arrangement for reversing regenerative furnaces. No. 1,087,124; Feb. 17; Gaz. vol. 199; p. 632.
- Knox, Luther L., Avalon, assignor to Knox Pressed & Welded Steel Company, Pittsburgh, Pa. Water-cooled damper or valve. No. 1,102,196; June 30; Gaz. vol. 203; p. 1505.
- Knox, Luther L., Avalon, assignor to Knox Pressed & Welded Steel Company, Pittsburgh, Pa. Water-cooled valve or damper. No. 1,102,197; June 30; Gaz. vol. 203; p. 1506.
- Knox, Luther L., Avalon, assignor to Knox Pressed & Welded Steel Company, Pittsburgh, Pa. Furnace-door frame. No. 1,118,358; Nov. 24; Gaz. vol. 208; p. 1128.
- Knox, Luther L., Avalon, assignor to Knox Pressed & Welded Steel Company, Pittsburgh, Pa. Furnace-door frame. No. 1,118,428; Nov. 24; Gaz. vol. 208; p. 1154.
- Knox, Luther L., Avalon, assignor to Knox Pressed & Welded Steel Company, Pittsburgh, Pa. Furnace-door frame. No. 1,118,429; Nov. 24; Gaz. vol. 208; p. 1154.
- Knox, Luther L., Niles, Ohio, assignor to Knox Pressed & Welded Steel Company, Pittsburgh, Pa. Furnace-door. No. 1,103,297; July 14; Gaz. vol. 204; p. 421.
- Knox, Luther L., Niles, Ohio, assignor to Keystone Bronze Company, Pittsburgh, Pa. Bosh-plate for blast-furnaces and the like. No. 1,101,700; June 30; Gaz. vol. 203; p. 1330.
- Knox, Luther L., Niles, Ohio, assignor to Keystone Bronze Company, Pittsburgh, Pa. Stack-cooler for blast-furnaces. No. 1,101,701; June 30; Gaz. vol. 203; p. 1330.
- Knox, Luther L., assignor to Knox Pressed & Welded Steel Company, Pittsburgh, Pa. Reversing regenerative furnace. No. 1,102,198; June 30; Gaz. vol. 203; p. 1506.
- Knox Manufacturing Company. (See Feeny, William S., assignor.)
- Knox Pressed & Welded Steel Company. (See Knox, Luther L., assignor.)
- Knox Pressed & Welded Steel Company. (See Roe, William C., assignor.)
- Knox, Robert R., San Francisco, Cal. Expansion-bolt. No. 1,110,797; Sept. 15; Gaz. vol. 206; p. 768.
- Knox Terpezone Company of America. (See Knox, William J., assignor.)
- Knox, Thomas M., U. S. Army, and F. W. Brockhoff, Jefferson Barracks, Mo. Coin-controlled switch for electric circuits. No. 1,087,300; Feb. 17; Gaz. vol. 199; p. 695.
- Knox, William J. (See Harrison and Knox.)
- Knox, William J., New York, N. Y., assignor to Knox Terpezone Company of America. Pinene ozonid. No. 1,086,372; Feb. 10; Gaz. vol. 199; p. 322.
- Knox, William J., New York, N. Y., assignor to Knox Terpezone Company of America. Cinnamic aldehyde ozonid. No. 1,086,373; Feb. 10; Gaz. vol. 199; p. 322.
- Knox, William J., New York, N. Y., assignor to Knox Terpezone Company of America. Apparatus for the production of gaseous ozonids. No. 1,088,346; Feb. 24; Gaz. vol. 199; p. 1103.
- Knox, William J., and F. J. Harrison, Dubois, Pa. Brake ratchet mechanism. No. 1,116,712; Nov. 10; Gaz. vol. 208; p. 473.
- Knox, William S., Bridgeport, Ill. Stock-releasing device. No. 1,092,723; Apr. 7; Gaz. vol. 201; p. 205.
- Knudsen, Anders M., West Branch, Iowa. Combined churn and butter-worker. No. 1,106,460; Aug. 11; Gaz. vol. 205; p. 347.
- Knudsen, Anton M., Compton, Cal. Match-box. No. 1,086,720; Feb. 10; Gaz. vol. 199; p. 443.
- Knudson, Bryan M., Ponoka, Alberta, Canada. Animal-hanger. No. 1,085,439; Jan. 27; Gaz. vol. 198; p. 826.
- Knudson, Lewis N., Somers, Iowa. Attachment for terret-rings. No. 1,097,805; May 26; Gaz. vol. 202; p. 1029.
- Knurck, John G., New York, N. Y. Envelop-fastener. No. 1,097,447; May 19; Gaz. vol. 202; p. 858.
- Knuts, William. (See Stark and Knuts.)
- Knutson, Carl, Hudson, S. D. Self-turning harrow-cart. No. 1,115,318; Oct. 27; Gaz. vol. 207; p. 1155.
- Knutson, Emma E., International Falls, Minn. Cork-extractor. No. 1,100,580; June 16; Gaz. vol. 203; p. 838.
- Knutz, Ernest H., Arcata, Cal. Insulator and current-distributor. No. 1,085,813; Feb. 3; Gaz. vol. 199; p. 84.
- Koban Manufacturing Company. (See Pratt, Clarence H., assignor.)
- Kobert, Frank P., New Haven, Conn. Bracket-arm. No. 1,087,301; Feb. 17; Gaz. vol. 199; p. 695.
- Kobert, Frank P., New Haven, Conn. Electric-cable-supporting bracket. No. 1,087,302; Feb. 17; Gaz. vol. 199; p. 695.
- Kobert, Frank P., New Haven, Conn. Electric riveting apparatus. No. 1,096,921; May 19; Gaz. vol. 202; p. 674.
- Kobert, Frank P., Fairhaven, assignor to The Barnes & Kobert Manufacturing Company, New Haven, Conn. Line or cable clamp. No. 1,103,056; July 14; Gaz. vol. 204; p. 337.
- Kobert, Frank P., assignor to The Barnes & Kobert Manufacturing Company, New Haven, Conn. Insulator-support. No. 1,110,495; Sept. 15; Gaz. vol. 206; p. 663.
- Kobert, Frank P., assignor to The Barnes & Kobert Manufacturing Company, New Haven, Conn. Insulator-support for electric wires. No. 1,110,496; Sept. 15; Gaz. vol. 206; p. 663.
- Kobert, Frank P., Fairhaven, assignor to The Barnes & Kobert Manufacturing Company, New Haven, Conn. Guy-anchor. No. 1,111,964; Sept. 29; Gaz. vol. 206; p. 1252.
- Kobicke, Christopher H. (See Schell, Max P., assignor.)
- Koble, William F., Cushing, Okla. Double-action oar. No. 1,120,944; Dec. 15; Gaz. vol. 209; p. 796.
- Kobler, Victor, Rorschach, assignor to Firm of A. Saurer, Arbon, Switzerland. Mechanical movement. No. 1,107,673; Aug. 18; Gaz. vol. 205; p. 824.
- Kobler, Victor, assignor to Firm of A. Saurer, Arbon, Switzerland. Embroidery-machine jacquard apparatus. No. 1,107,674; Aug. 18; Gaz. vol. 205; p. 825.
- Kobling, Anton S., assignor of one-third to S. Toth, one-sixth to T. Bodak, and one-sixth to A. Krajnyak, Wallingford, Conn. Electric-railway-crossing gate. No. 1,086,775; Feb. 10; Gaz. vol. 199; p. 463.
- Köbner, Eduard, and P. Fritzsche, Mannheim, assignors to C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Hemoglobinometer. No. 1,083,934; Jan. 13; Gaz. vol. 198; p. 251.
- Koch, Carl F. R. von, Stockholm, Sweden. Method of and furnace for securing products of reaction by electric discharges in gases. No. 1,085,440; Jan. 27; Gaz. vol. 198; p. 826.
- Koch, Carl F. R. von, Stockholm, Sweden. Producing continuous or constant electric discharges in gases. No. 1,115,625; Nov. 3; Gaz. vol. 208; p. 53.
- Koch, Charles W. F., and U. G. Shuler, Decatur, Ill. Elevating-caster. No. 1,092,220; Apr. 7; Gaz. vol. 201; p. 33.
- Koch, Edward F., Fort Recovery, Ohio. Stirrup-block. No. 1,121,848; Dec. 22; Gaz. vol. 209; p. 1147.
- Koch, Eugene. (See Keitel, Hugo, assignor.)
- Koch, Franz, Berlin, Germany. Purification of raw wool. No. 1,117,194; Nov. 17; Gaz. vol. 208; p. 681.
- Koch, Friedrich, Parsons, Kans. Gummed-tape machine. No. 1,097,721; May 26; Gaz. vol. 202; p. 998.
- Koch, Georg, Shelton, Conn. Speed-reducing and stopping mechanism. No. 1,098,041; May 26; Gaz. vol. 202; p. 1112.
- Koch, George J. (See Lambert, Frederick C., assignor.)
- Koch, Henry. (See Bebié and Koch.)
- Koch, Henry, assignor to The Regina Company, Rahway, N. J. Tempo-regulator. No. 1,087,668; Feb. 17; Gaz. vol. 199; p. 826.
- Koch, Henry C., Upper Yoder township, Cambria county, Pa. Furnace. No. 1,083,500; Jan. 6; Gaz. vol. 198; p. 80.
- Koch, John, Brookline, Mass. Exercising apparatus. No. 1,098,326; May 26; Gaz. vol. 202; p. 1211.
- Koch, John, Brookline, Mass. Exercising apparatus. No. 1,098,327; May 26; Gaz. vol. 202; p. 1211.
- Koch, John A., Rosedale, Kans. Harmonic player for keyboard instruments. No. 1,085,140; Jan. 27; Gaz. vol. 198; p. 723.
- Koch, John F., Wescosville, assignor of three-fourths to C. Y. Schelly, Allentown, Pa. Lock. No. 1,112,706; Oct. 6; Gaz. vol. 207; p. 105.
- Koch, Max M. (See Becker, Paul, assignor.)
- Koch, Max M., Cleveland, Ohio. Oven-brace. No. 1,110,697; Sept. 15; Gaz. vol. 206; p. 734.
- Koch, Norbert, Essen-Rellinghausen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Mobile gun-mount. No. 1,108,762; Aug. 25; Gaz. vol. 205; p. 1248.

Alphabetical list of patentees—Continued.

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- Koch, Theodore. (See Sargent and Koch.)
- Koch, Walter H., Indianapolis, Ind. Receipt. No. 1,113,220; Oct. 13; Gaz. vol. 207; p. 323.
- Koch, William. (See Mattern and Koch.)
- Koch, William F., Custer county, Colo. Buckle. No. 1,115,549; Nov. 3; Gaz. vol. 208; p. 28.
- Kochanowski, John, Elizabeth, Pa. Lamp-adjusting mechanism. No. 1,085,141; Jan. 27; Gaz. vol. 198; p. 723.
- Kochenderfer, John L., Sewickley, Pa., assignor to Mergenthaler Linotype Company. Type or matrix. No. 1,101,290; June 23; Gaz. vol. 203; p. 1138.
- Kocher, Albert, East Pittsburgh, Pa. Reamer. No. 1,083,747; Jan. 6; Gaz. vol. 198; p. 163.
- Kocher, Samuel J. (See Peck and Kocher.)
- Kockrow, Richard, Neider-Laustitz, Germany. Protecting-garment for aviators. No. 1,104,808; July 28; Gaz. vol. 204; p. 1034.
- Kocsis, Geza. (See Szuth, John, assignor.)
- Koebel, Joseph H., Wayland, Iowa. End-gate for wagons. No. 1,098,450; June 2; Gaz. vol. 203; p. 33.
- Koehlin, Albert G., Basel, Switzerland, assignor, by mesne assignments, to Draper Company, Hopedale, Mass. Spool-changing apparatus for looms. No. 1,088,824; Mar. 3; Gaz. vol. 200; p. 52.
- Koehlin, Albert G., Basel, Switzerland, assignor, by mesne assignments, to Draper Company, Hopedale, Mass. Thread-moistening apparatus for textile-machines. No. 1,094,856; Apr. 28; Gaz. vol. 201; p. 1067.
- Koehlin, Albert G., Basel, Switzerland, assignor, by mesne assignments, to Draper Company, Hopedale, Mass. Thread-severing mechanism for automatic looms. No. 1,104,303; July 21; Gaz. vol. 204; p. 808.
- Koehlin, Albert G., Basel, Switzerland, assignor to Draper Company, Hopedale, Mass. Automatic weft-bobbin-exchange device for looms. No. 1,106,716; Aug. 11; Gaz. vol. 205; p. 439.
- Koehl, Louis C., assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Punching and shearing mechanism. No. 1,091,668; Mar. 31; Gaz. vol. 200; p. 1190.
- Koehler, Elmer E., Rochester, N. Y. Method of and means for bracing the contents of cars or the like. No. 1,088,347; Feb. 24; Gaz. vol. 199; p. 1104.
- Koehler, Frank G., St. Louis, Mo. Hand-truck. No. 1,096,630; May 12; Gaz. vol. 202; p. 531.
- Koehler, Fred W., *et al.* (See Deatherage, Isaac, assignor.)
- Koehler, Frederick W., Chicago, Ill. Combined shelf and towel-rack. No. 1,090,724; Mar. 17; Gaz. vol. 200; p. 793.
- Koehler, Henry L., Louisville, Ky. Burning-press. No. 1,092,776; Apr. 7; Gaz. vol. 201; p. 223.
- Koehler, Henry L., Louisville, Ky. Printing-press. No. 1,103,147; July 14; Gaz. vol. 204; p. 370.
- Koehler, Louis F., Chicago, Ill. Dental anvil or swage-block. No. 1,111,392; Sept. 22; Gaz. vol. 206; p. 1017.
- Koehler, Theodore. (See Menten, Herman, assignor.)
- Koehler, Wilhelm, Newkirk, Okla. Reversible plow. No. 1,105,032; July 28; Gaz. vol. 204; p. 1111.
- Koehler, William C., and L. Link, Elizabeth, assignors to Standard Oil Company, Bayonne, N. J. Distilling petroleum. No. 1,084,016; Jan. 13; Gaz. vol. 198; p. 280.
- Koehring Machine Company. (See Koehring, Philip A., assignor.)
- Koehring Machine Company. (See Lichtenberg, Erich H., assignor.)
- Koehring, Philip A., assignor to Koehring Machine Company, Milwaukee, Wis. Charging device for concrete-mixers. No. 1,107,171; Aug. 11; Gaz. vol. 205; p. 598.
- Koeker, Carl H., Dayton, Ohio. Shade and curtain bracket. No. 1,107,317; Aug. 18; Gaz. vol. 205; p. 696.
- Koenig, Gustav W. (See Moyer, Charles H., assignor.)
- Koenig, Harry A., Philadelphia, Pa. Gas-heated sad-iron. No. 1,107,531; Aug. 18; Gaz. vol. 205; p. 772.
- Koenig, Joseph, Two Rivers, Wis. Internal-combustion engine. No. 1,111,840; Sept. 29; Gaz. vol. 206; p. 1210.
- Koenig, Joseph, Two Rivers, Wis. Internal-combustion engine. No. 1,111,841; Sept. 29; Gaz. vol. 206; p. 1211.
- Koenig, Wilhelm. (See Mauch and Koenig.)
- Koepke, Frank L., Whitehall, Wis. Bridle. No. 1,114,887; Oct. 27; Gaz. vol. 207; p. 1002.
- Koepke, Henry, Marenisco, Mich. Shovel-plow. No. 1,095,404; May 5; Gaz. vol. 202; p. 79.
- Koepf & Co. Chemische Fabrik, Rudolph. (See Weise and Rieche, assignors.)
- Koepfen, Ernst, Jersey City, N. J. Knife cleaning and polishing machine. No. 1,093,437; Apr. 14; Gaz. vol. 201; p. 484.
- Koepplinger, Hermann, Vienna, Austria-Hungary. Cutting and punching machine. No. 1,102,761; July 7; Gaz. vol. 204; p. 189.
- Koepplinger, Hermann, Vienna, Austria-Hungary. Device for perforating figured iron. No. 1,105,800; Aug. 4; Gaz. vol. 205; p. 74.
- Koerber, Anthony F., Detroit, Mich. Candy-pulling machine. No. 1,096,728; May 12; Gaz. vol. 202; p. 564.
- Koerner, John W. (See Bond and Koerner.)
- Koerner, Robert, Budapest, Austria-Hungary. Support for gyratory sifters. No. 1,098,042; May 26; Gaz. vol. 202; p. 1113.
- Koerting, Ernst, Pegli, Italy. Mixed firing of boilers. No. 1,118,137; Nov. 24; Gaz. vol. 208; p. 1051.
- Koerting, Ernst, Pegli, Italy, assignor to Schutte & Koerting Company, Philadelphia, Pa. Injector. No. 1,111,541; Sept. 22; Gaz. vol. 206; p. 1068.
- Koerting, Ernst, Pegli, Italy, assignor to Schutte & Koerting Company, Philadelphia, Pa. Injector. No. 1,111,542; Sept. 22; Gaz. vol. 206; p. 1068.
- Koesche, Andrew, assignor to The Bastian Blessing Company, Chicago, Ill. Carbonator. No. 1,090,157; Mar. 17; Gaz. vol. 200; p. 598.
- Koesis, Gyula, St. Clairsville, Ohio. Apparatus for raising sunken vessels. No. 1,097,335; May 19; Gaz. vol. 202; p. 821.
- Koff, Samuel, Brooklyn, N. Y. Box construction. No. 1,119,085; Dec. 1; Gaz. vol. 209; p. 65.
- Kofoed, Gelius A. (See Hermansen and Kofoed.)
- Kofoed, Johan, Christiania, Norway. Duplex steam-pump. No. 1,114,008; Oct. 20; Gaz. vol. 207; p. 639.
- Kogel, Oscar J., and W. T. Simmons, Louisville, Ky. Egg-tester. No. 1,091,353; Mar. 24; Gaz. vol. 200; p. 1038.
- Kohl, Edward, *et al.* (See Allen, Ernest G., assignor.)
- Kohler, Alfred, Boston, Mass. Toy. No. 1,088,594; Feb. 24; Gaz. vol. 199; p. 1184.
- Kohler, Charles. (See Southgate, Louis W., assignor.)
- Kohler, G. A. Edward. (See Callow, Cecil B., assignor.)
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Bolt. No. 1,111,657; Sept. 22; Gaz. vol. 206; p. 1109.
- Köhler, Hugo. (See Merling, Chrzcinski, and Köhler.)
- Kohler, Jacob C., Newark, N. J., assignor to Aristo Company. Spool for music-rolls. No. 1,107,314; Aug. 18; Gaz. vol. 205; p. 695.
- Kohler, Joseph, assignor of one-third to K. Collins, Chicago, Ill. Wheel-tire. No. 1,115,550; Nov. 3; Gaz. vol. 208; p. 29.
- Kohler, Joseph, assignor of one-half to K. Collins, Chicago, Ill. Elastic wheel. No. 1,118,359; Nov. 24; Gaz. vol. 208; p. 1128.
- Kohler, Veronica M., *et al.*, executors. (See Southgate, Louis W.)
- Kohler, Walter J., assignor to J. M. Kohler Sons Company, Sheboygan, Wis. Drain connection. No. 1,092,579; Apr. 7; Gaz. vol. 201; p. 157.
- Kohlhaas, Frank J., Calumet, Mich. Currency-holder. No. 1,120,150; Dec. 8; Gaz. vol. 209; p. 467.
- Kohlhaas, Peter Z., Chicago, Ill. Forming-machine. No. 1,114,888; Oct. 27; Gaz. vol. 207; p. 1003.
- Kohlhaas, Peter Z., Chicago, Ill. Making knives. No. 1,114,889; Oct. 27; Gaz. vol. 207; p. 1003.
- Kohlmyer, Henry, Lorain, Ohio. Railway-track structure. No. 1,085,211; Jan. 27; Gaz. vol. 198; p. 747.
- Kohlmyer, Henry, Lorain, Ohio. Metallic tie for railways. No. 1,114,890; Oct. 27; Gaz. vol. 207; p. 1003.
- Kohn, Jacob, New York, N. Y. Closing and locking device for sliding doors. No. 1,094,909; Apr. 28; Gaz. vol. 201; p. 1085.
- Kohn, Julius, Bridgeport, Conn. Automatic stop for talking-machines. No. 1,107,079; Aug. 11; Gaz. vol. 205; p. 563.
- Kohn, Monroe, Chicago, Ill. Display apparatus. No. 1,112,917; Oct. 6; Gaz. vol. 207; p. 176.
- Kohner, John, Lewiston, Minn. Air-spring and shock-absorber. No. 1,117,057; Nov. 10; Gaz. vol. 208; p. 592.
- Kohner, John, Lewiston, Minn. Acetylene-gas generator. No. 1,117,058; Nov. 10; Gaz. vol. 208; p. 592.
- Koike, Kibei, and G. L. Grant, assignors to K. Takahashy, Seattle, Wash. Display apparatus. No. 1,085,441; Jan. 27; Gaz. vol. 198; p. 827.
- Koken Barbers' Supply Company. (See Koken, Ernest E., assignor.)
- Koken Barbers' Supply Company. (See Koken, Walter F., assignor.)
- Koken, Edward H., Akron, Ohio. Vehicle wheel-rim. No. 1,117,134; Nov. 10; Gaz. vol. 208; p. 620.
- Koken, Ernest E., deceased; W. F. Koken, executor, assignor to Koken Barbers' Supply Company, St. Louis, Mo. Barber's chair. No. 1,098,157; May 26; Gaz. vol. 202; p. 1151.
- Koken, Walter F., executor. (See Koken, Ernest E.)
- Koken, Walter F., assignor to Koken Barbers' Supply Company, St. Louis, Mo. Chair-back. No. 1,098,158; May 26; Gaz. vol. 202; p. 1152.
- Kokernot, Alexander B., New Orleans, La. Hat-pin. No. 1,117,858; Nov. 17; Gaz. vol. 208; p. 915.
- Kokomo Nail and Brad Company. (See Weigel, Albert P., assignor.)
- Kolanko, Antoni J., Chicago, Ill. Vehicle-fender. No. 1,085,613; Feb. 3; Gaz. vol. 199; p. 12.
- Kolasinski, Michael. (See Wroclawski and Kolasinski.)
- Kolassa, Anton, Vienna, Austria-Hungary. Machine-tool. No. 1,087,784; Feb. 17; Gaz. vol. 199; p. 863.
- Kolb, August, Bakersfield, Cal. Negligée shirt. No. 1,097,101; May 19; Gaz. vol. 202; p. 738.
- Kolb, Edward, Lockport, N. Y. Pencil-counting machine. No. 1,099,705; June 9; Gaz. vol. 203; p. 503.

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- Koletar, Joseph, and J. Fekete, Bridgeport, Conn. Valve-grinding tool. No. 1,092,652; Apr. 7; Gaz. vol. 201; p. 183.
- Kolich, Peter J. (See Anderson, William P., assignor.)
- Kolle, Dalltor W., Portland, Oreg. Fastening. No. 1,110,211; Sept. 8; Gaz. vol. 206; p. 521.
- Kollenberg, Frederick G., assignor of one-fourth to W. E. Aud and one-fourth to R. L. McFarland, Owensboro, Ky. Desk. No. 1,106,515; Aug. 11; Gaz. vol. 205; p. 368.
- Kollenberg, Frederick G., assignor of one-half to W. E. Danbauer, Owensboro, Ky. Bottle-cap. No. 1,108,996; Sept. 1; Gaz. vol. 206; p. 49.
- Kolo Carburetor Company, The. (See Bruun, Jacob, assignor.)
- Koloen, John N., Silverton, Oreg. Combined burglar and fire alarm. No. 1,106,947; Aug. 11; Gaz. vol. 205; p. 520.
- Kolp, Abram M., Salunga, Pa. Baling-press. No. 1,122,612; Dec. 29; Gaz. vol. 209; p. 1448.
- Kolsky, George, Niagara Falls, N. Y. Process of making chlorates and apparatus therefor. No. 1,092,369; Apr. 7; Gaz. vol. 201; p. 85.
- Koltko, Emil E., Waterbury, Conn. Brake for marine vessels. No. 1,107,968; Aug. 18; Gaz. vol. 205; p. 925.
- Koltonski, Michal, Chicago, Ill. Folding box. No. 1,113,654; Oct. 13; Gaz. vol. 207; p. 475.
- Koltonski, Stanislaw A., Boston, Mass. Intercommunicating telephone system. No. 1,097,760; May 26; Gaz. vol. 202; p. 1012.
- Koman, Teodor, Alliance, Ohio. Horseshoe. No. 1,117,859; Nov. 17; Gaz. vol. 208; p. 915.
- Komancsek, Joseph. (See Dusha, Feyk, and Komancsek.)
- Komancsek, Joseph, Astoria, N. Y. Device for trimming linotype-slugs. No. 1,106,948; Aug. 11; Gaz. vol. 205; p. 521.
- Komarek, Gustav, and G. R. Schleier, St. Louis, Mo. Railway-rail gage and guard. No. 1,096,432; May 12; Gaz. vol. 202; p. 465.
- Komer, Joseph A. (See Burchell, Samuel E., assignor.)
- Komlósi, John. (See Detrik, Joseph, assignor.)
- Kommanditgesellschaft Guido Rütgers. (See Pankl, Alois, assignor.)
- Konantz, Walter D. (See Green and Konantz.)
- Kondolf, Mathias R., Rochester, N. Y. Measuring device. No. 1,116,079; Nov. 3; Gaz. vol. 208; p. 209.
- Kone, George W., Rock Island, Ill. Computing-scale. No. 1,112,808; Oct. 6; Gaz. vol. 207; p. 139.
- Konerman, Harry, Newport, Ky., assignor to The Globe Register Company, Cincinnati, Ohio. Feed-roll for autographic registers. No. 1,084,213; Jan. 13; Gaz. vol. 198; p. 348.
- Kongsbak, Marinus, Lübeck, Germany. Burner for autogenous welding and cutting of metal. No. 1,098,119; May 26; Gaz. vol. 202; p. 1139.
- König, Albert, assignor to Firm of C. Zeiss, Jena, Germany. Objective system. No. 1,085,868; Feb. 3; Gaz. vol. 199; p. 103.
- König, Albert, assignor to Firm of C. Zeiss, Jena, Germany. Variable-power telescope. No. 1,094,724; Apr. 28; Gaz. vol. 201; p. 1023.
- König, Albert, assignor to Firm of C. Zeiss, Jena, Germany. Lookout-telescope. No. 1,097,646; May 26; Gaz. vol. 202; p. 971.
- König, Albert, assignor to Firm of C. Zeiss, Jena, Germany. Optical square prism. No. 1,101,081; June 23; Gaz. vol. 203; p. 1068.
- König, Carl, Vohwinkel, Germany. Controlling device for railway-vehicles. No. 1,109,534; Sept. 1; Gaz. vol. 206; p. 237.
- Konigsberg, Ivan E. A. (See Jensen, Alexander V., assignor.)
- Konigsberg, Joseph. (See Forsheim and Konigsberg.)
- Konikoff, Harry R. (See Konikoff, Maurice A. and H. R.)
- Konikoff, Maurice A. and H. R., Brooklyn, assignors to Kayes Manufacturing Co. Inc., New York, N. Y. Dress-form. No. 1,122,129; Dec. 22; Gaz. vol. 209; p. 1244.
- Konitzko, Joseph, San Francisco, Cal. Propeller mechanism. No. 1,110,497; Sept. 15; Gaz. vol. 206; p. 663.
- Konjetzky, Alfred. (See Hering, Louis F., assignor.)
- Konold, Matthew J., Pittsburgh, Pa., and R. T. Prall, Youngstown, Ohio. Steam-trap. No. 1,119,286; Dec. 1; Gaz. vol. 209; p. 132.
- Konsrv Electric Company, The. (See Cook, Frank J., assignor.)
- Kontrolldruck - Automaten - Gesellschaft m. b. H. (See Friedlein, Heinrich, assignor.)
- Koolbite Toy Company. (See Bridges, Josiah S., assignor.)
- Koons, Catherine D., St. James, Mo. Window. No. 1,110,498; Sept. 15; Gaz. vol. 206; p. 663.
- Koons, Frank, Grooville, N. Y. Sawing-machine. No. 1,108,912; Sept. 1; Gaz. vol. 206; p. 18.
- Koontz, Clinton M., Allentown, Pa. Grinding and polishing cone. No. 1,119,760; Dec. 1; Gaz. vol. 209; p. 294.
- Koontz, Russell B. (See Boyd and Koontz.)
- Koontz, Victor R., Waynesboro, Pa. Drill-chuck. No. 1,091,886; Mar. 31; Gaz. vol. 200; p. 1267.
- Koontz, Victor R., Waynesboro, Pa. Cutter-head. No. 1,098,268; May 26; Gaz. vol. 202; p. 1190.
- Koontz, Victor R., Waynesboro, Pa. Adjusting device for cutter-heads. No. 1,108,514; Aug. 25; Gaz. vol. 205; p. 1165.
- Koontz, Victor R., Waynesboro, Pa. Clutch. No. 1,110,212; Sept. 8; Gaz. vol. 206; p. 521.
- Koontz, Victor R., Waynesboro, Pa. Nut-facing machine. No. 1,114,151; Oct. 20; Gaz. vol. 207; p. 689.
- Koontz, Victor R., Waynesboro, Pa. Nipple-chuck. No. 1,118,781; Nov. 24; Gaz. vol. 208; p. 1275.
- Kopacki, Albert G., Bay City, assignor of one-half to F. C. Learman, Essexville, Mich. Shoe-cleaning machine. No. 1,101,194; June 23; Gaz. vol. 203; p. 1105.
- Kopeczky, Joseph, Racine, Wis. Non-skid device. No. 1,111,072; Sept. 22; Gaz. vol. 206; p. 908.
- Koper, William F., Chillicothe, Ohio. Solder-solvent. No. 1,097,926; May 26; Gaz. vol. 202; p. 1072.
- Kopetschni, Eduard. (See Karczag and Kopetschni.)
- Kopf, Henry B., New Haven, Conn. Shipping-crate. No. 1,102,930; July 7; Gaz. vol. 204; p. 245.
- Kopf, Henry B., New Haven, Conn. Pineapple-crate. No. 1,112,145; Sept. 29; Gaz. vol. 206; p. 1313.
- Kopf, Henry B., New Haven, Conn. Pineapple-eye snip. No. 1,115,838; Nov. 3; Gaz. vol. 208; p. 126.
- Kopf, Johann. (See Link and Kopf.)
- Kopf, Joseph B., Rockville Center, N. Y. Antislipping overshoe and pad for horses' hoofs. No. 1,114,773; Oct. 27; Gaz. vol. 207; p. 963.
- Kopf, Melrose G., assignor to McCormick Manufacturing Company, Dayton, Ohio. Spark-plug. No. 1,086,327; Feb. 3; Gaz. vol. 199; p. 259.
- Kopke Clarifier Company. (See Köpke, Ernst, assignor.)
- Kopke Clarifier Company. (See Kopke, Ernst W., assignor.)
- Köpke, Ernst, Honolulu, Hawaii. Centrifugal separator. No. 1,117,195; Nov. 17; Gaz. vol. 208; p. 681.
- Köpke, Ernst, Honolulu, Hawaii. Centrifugal separator. No. 1,119,176; Dec. 1; Gaz. vol. 209; p. 96.
- Köpke, Ernst, Honolulu, Hawaii, assignor to Kopke Clarifier Company, Limited. Clarification of sugar solutions. No. 1,101,940; June 30; Gaz. vol. 203; p. 1415.
- Köpke, Ernst, Honolulu, Hawaii, assignor to Kopke Clarifier Company, Limited. Centrifugal separator. No. 1,119,173; Dec. 1; Gaz. vol. 209; p. 95.
- Kopke, Ernst W., Honolulu, Hawaii, assignor to Kopke Clarifier Company, Limited. Clarifying sugar solutions. No. 1,119,174; Dec. 1; Gaz. vol. 209; p. 95.
- Kopke, Ernst W., Honolulu, Hawaii, assignor to Kopke Clarifier Company, Limited. Centrifugal separator. No. 1,119,175; Dec. 1; Gaz. vol. 209; p. 96.
- Kopke, William F., Dayton, Ohio. Resilient wheel. No. 1,114,891; Oct. 27; Gaz. vol. 207; p. 1004.
- Kopp, Frederick W., and W. Running, Cleveland, Ohio. Watch. No. 1,117,196; Nov. 17; Gaz. vol. 208; p. 681.
- Kopp, George F. (See Stedman, Kopp, and Myers.)
- Koppe, Joseph, assignor to The Gilliam Manufacturing Company, Canton, Ohio. Heel-retainer for shoes. No. 1,086,673; Feb. 10; Gaz. vol. 199; p. 427.
- Köppen, Lothar von, Potsdam, Germany. Blade for skates, sleighs, skees, and the like. No. 1,088,709; Mar. 3; Gaz. vol. 200; p. 14.
- Köppen, Lothar von, Potsdam, Germany. Ice-skate. No. 1,092,653; Apr. 7; Gaz. vol. 201; p. 183.
- Kopperl, Joseph I., et al. (See Gross, Edward L., assignor.)
- Kopperl, Joseph I., assignor of one-half to C. F. Eiker, Chicago, Ill. Atomizing-fan or the like. No. 1,116,443; Nov. 10; Gaz. vol. 208; p. 373.
- Koppers Company, H. (See Koppers, Heinrich, assignor.)
- Koppers, Heinrich, Essen-on-the-Ruhr, Germany, assignor to H. Koppers Company, Chicago, Ill. Apparatus for discharging vertical retorts. No. 1,093,936; Apr. 21; Gaz. vol. 201; p. 692.
- Koppers, Heinrich, Essen-on-the-Ruhr, Germany, assignor to H. Koppers Company, Chicago, Ill. Fractional distillation of oily substances. No. 1,098,734; June 2; Gaz. vol. 203; p. 129.
- Koppers, Heinrich, Essen-on-the-Ruhr, Germany, assignor to H. Koppers Company, Chicago, Ill. Cooling apparatus. No. 1,099,255; June 9; Gaz. vol. 203; p. 346.
- Koppers, Heinrich, Essen-on-the-Ruhr, Germany, assignor to H. Koppers Company, Chicago, Ill. Closure for retort coke-ovens. No. 1,099,256; June 9; Gaz. vol. 203; p. 347.
- Koppers, Heinrich, Essen-on-the-Ruhr, Germany, assignor to H. Koppers Company, Chicago, Ill. Cupola gas-generator. No. 1,099,257; June 9; Gaz. vol. 203; p. 347.
- Koppers, Heinrich, Essen-on-the-Ruhr, Germany, assignor to H. Koppers Company, Chicago, Ill. Method of and means for working coke-ovens. No. 1,105,522; July 28; Gaz. vol. 204; p. 1284.
- Koppers, Heinrich, Essen-on-the-Ruhr, Germany, assignor to H. Koppers Company, Chicago, Ill. Separating the hydrocarbons contained in natural gas. No. 1,107,803; Aug. 18; Gaz. vol. 205; p. 870.

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- Koppers, Heinrich, Essen-on-the-Ruhr, Germany, assignor to H. Koppers Company, Chicago, Ill. Apparatus for quenching coke. No. 1,121,376; Dec. 15; Gaz. vol. 209; p. 945.
- Kops Bros. (See Kops, Waldemar, assignor.)
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,099,056; June 2; Gaz. vol. 203; p. 234.
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,105,330; July 28; Gaz. vol. 204; p. 1217.
- Kops, Waldemar, assignor to Kops Bros., New York, N. Y. Attaching fastening devices to wearing-apparel. No. 1,084,348; Jan. 13; Gaz. vol. 198; p. 391.
- Kops, Waldemar, assignor to Kops Bros., New York, N. Y. Apparel-corset. No. 1,107,219; Aug. 11; Gaz. vol. 205; p. 614.
- Kordell, Nicholas, Chicago, Ill. Pedestal picture-cabinet. No. 1,095,644; May 5; Gaz. vol. 202; p. 161.
- Kordt, Peter, Hamburg, Germany. Shuttle-carrier mechanism for net-making machines. No. 1,099,057; June 2; Gaz. vol. 203; p. 235.
- Korittke, Gustav, New York, N. Y. Safety-stirrup. No. 1,102,762; July 7; Gaz. vol. 204; p. 189.
- Kormendy, Bela, Cleveland, assignor to T. Kundtz, Lakewood, Ohio. Rim for steering-wheels of automobiles. No. 1,088,999; Mar. 3; Gaz. vol. 200; p. 112.
- Korn, Max H., Hackensack, N. J. Sanding device for self-propelled road-vehicles. No. 1,090,921; Mar. 24; Gaz. vol. 200; p. 892.
- Kornbacher, John F. (See Schwarz, Albert, assignor.)
- Korndörfer, Georg, and B. Reuter, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Derivatives of diaminodioxarsenobenzene and making same. (Reissue.) No. 13,848; Dec. 15; Gaz. vol. 209; p. 1025.
- Korndörfer, Max, Pankow, Germany, assignor to General Electric Co. Method of and apparatus for starting alternating-current motors. No. 1,096,922; May 19; Gaz. vol. 202; p. 675.
- Körner, Moritz. (See Overlach and Körner.)
- Kornfeld, Emil L. (See Minehart, Denman D., assignor.)
- Kornmann, Ralf, Berlin, Germany. Air screw-propeller. No. 1,093,633; Apr. 21; Gaz. vol. 201; p. 590.
- Kornreich, Samuel S., Warren, Pa. Cast-off for suspenders. No. 1,100,581; June 16; Gaz. vol. 203; p. 838.
- Koroknay, Paul, Lyndora, Pa. Pneumatic tool. No. 1,110,063; Sept. 8; Gaz. vol. 206; p. 467.
- Korrodi, Heinrich, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Panoramic sighting-telescope for guns. No. 1,089,480; Mar. 10; Gaz. vol. 200; p. 324.
- Kors, Martin L., Chicago, Ill. Aeroplane. No. 1,098,735; June 2; Gaz. vol. 203; p. 129.
- Kort, Oscar. (See Hinton and Kort.)
- Korthauer, William L., Verdi township, Lincoln county, Minn. Weed-destroyer. No. 1,093,786; Apr. 21; Gaz. vol. 201; p. 641.
- Körting Gebrüder Aktiengesellschaft. (See Willmer, Arnold, assignor.)
- Körting & Mathiesen Aktiengesellschaft. (See Körting, Max, assignor.)
- Körting, Max, assignor to Körting & Mathiesen Aktiengesellschaft, Leutzsch, near Leipzig, Germany. Inclosed-electric-arc lamp. No. 1,084,551; Jan. 13; Gaz. vol. 198; p. 457.
- Kortum, Albert, assignor of one-fourth to G. F. Myers, Buffalo, N. Y. Making wheels. No. 1,096,631; May 12; Gaz. vol. 202; p. 532.
- Koselak, Louis, Pricedale, Pa. Haulage device for mine-cars. No. 1,101,635; June 30; Gaz. vol. 203; p. 1309.
- Koshalko, Charles, assignor of one-half to J. Cauffel, Johnstown, Pa. Street-car fender and snow-sweeper. No. 1,102,763; July 7; Gaz. vol. 204; p. 189.
- Kosier, Frank and T. R., Ludlow, Ky., and T. Bemis, Indianapolis, Ind. Air-brake apparatus. No. 1,114,152; Oct. 20; Gaz. vol. 207; p. 690.
- Kosier, Thomas R. (See Kosier and Bemis.)
- Koski, Andrew W., and T. Casey, Fitchburg, Mass. Safety locking device. No. 1,118,782; Nov. 24; Gaz. vol. 208; p. 1275.
- Kosman, Bessie A. (See Altman and Kosman.)
- Kosnick, Joseph H. (See Hager, Henry F., assignor.)
- Koster, Eugene, Yonkers, N. Y. Vaporizer for internal-combustion engines. No. 1,095,645; May 5; Gaz. vol. 202; p. 161.
- Kothe, Gustav J. P., Reval, assignor of one-half to M. Gumpel, Moscow, Russia. Combustion-turbine. No. 1,112,809; Oct. 6; Gaz. vol. 207; p. 140.
- Kotner, Julius, New York, N. Y. Safety hair-pin. No. 1,085,212; Jan. 27; Gaz. vol. 198; p. 748.
- Kough, John C., Jr., Ridgewood, N. J. Gutter-protector. No. 1,121,732; Dec. 22; Gaz. vol. 209; p. 1106.
- Kounovsky, Albert, Wood Lake, Nebr. Trundling toy. No. 1,097,102; May 19; Gaz. vol. 202; p. 738.
- Kovac, John. (See Kepko, Jahn, assignor.)
- Kovacic, Fabijan, Philadelphia, Pa. Self-cleansing cuspidor. No. 1,101,291; June 23; Gaz. vol. 203; p. 1139.
- Kovács, Steve. (See Forray and Kovács.)
- Kovács, Wendel, Brantford, Ontario, Canada. Spring-heel. No. 1,102,343; July 7; Gaz. vol. 204; p. 43.
- Kovalavich, Gregory, New York, N. Y. Motion-converter. No. 1,089,651; Mar. 10; Gaz. vol. 200; p. 383.
- Kovalevich, Grigory, South Portland, Ore. Propeller. No. 1,105,801; Aug. 4; Gaz. vol. 205; p. 74.
- Kovalevitch, Gregory, South Portland, Ore. Ship. No. 1,113,173; Oct. 6; Gaz. vol. 207; p. 264.
- Kovorik, Edward. (See Mandler and Kovorik.)
- Kovsky, Philip. (See Hicks and Kovsky.)
- Kowaleski, Edward, et al. (See Le Compte, Joseph H., assignor.)
- Kowalsky, Adam, Carteret, N. J. Life-saving apparatus. No. 1,112,221; Sept. 29; Gaz. vol. 206; p. 1341.
- Kowalsky, George, McDowell, W. Va. Candle-holder. No. 1,091,354; Mar. 24; Gaz. vol. 200; p. 1039.
- Koziell, Francis N., New York, N. Y., assignor to The Curtain Supply Company, Chicago, Ill. Extensible curtain-roller. No. 1,099,258; June 9; Gaz. vol. 203; p. 347.
- Kozlowski, Marcin, and F. Grohal, Greensburg, Pa. Folding umbrella. No. 1,114,367; Oct. 20; Gaz. vol. 207; p. 767.
- Kozmouisky, John, Boston, Mass. Pill-injector. No. 1,109,072; Sept. 1; Gaz. vol. 206; p. 76.
- Krabill, Christian, assignor of one-half to J. H. Beer, Denton, Md. Garden implement. No. 1,120,062; Dec. 8; Gaz. vol. 209; p. 436.
- Kraemer, Adam, Richmond, Minn. Floor-jack. No. 1,086,374; Feb. 10; Gaz. vol. 199; p. 323.
- Kraemer, Augustus, Tres Pinos, Cal. Pipe-coupling. No. 1,103,212; July 14; Gaz. vol. 204; p. 394.
- Kraemer, Frank, Chicago, Ill., assignor, by mesne assignments, to M. Harris, Pittsburgh, Pa. Electric flat-rate controller. No. 1,100,832; June 23; Gaz. vol. 203; p. 979.
- Kraemer, Frank, Chicago, Ill., assignor, by mesne assignments, to M. Harris, Pittsburgh, Pa. Flat-rate controller. No. 1,101,495; June 23; Gaz. vol. 203; p. 1209.
- Kraetzer, Edwin J., Somerville, Mass., assignor of three-sixteenths to F. F. Raymond, 2d, deceased; S. Carr, executor. Buckle. No. 1,096,787; May 12; Gaz. vol. 202; p. 583.
- Kraft, Bert H., assignor, by mesne assignments, to Storm Shield Mfg. Co., Chicago, Ill. Attachment for windshields and the like. No. 1,119,177; Dec. 1; Gaz. vol. 209; p. 97.
- Kraft, Walter, Berlin, Germany. Electric pocket-lamp. No. 1,099,381; June 9; Gaz. vol. 203; p. 392.
- Kraft, Clara J. (See Pelstring, Anthony, assignor.)
- Kraft, Daniel, Oyster Bay, N. Y. Skylight and greenhouse bar. No. 1,093,937; Apr. 21; Gaz. vol. 201; p. 692.
- Kraft, Henry P. (See Schweinert and Kraft.)
- Kraft, Henry P., New York, N. Y., and M. C. Schweinert, West Hoboken, N. J. Water-bottle stopper. No. 1,097,647; May 26; Gaz. vol. 202; p. 971.
- Kraft, Henry P., New York, N. Y., and M. C. Schweinert, West Hoboken, N. J. Cap for valves, stay-bolts, and the like. No. 1,122,613; Dec. 29; Gaz. vol. 209; p. 1448.
- Kraft, John G., Scranton, Pa. Vehicle-indicator. No. 1,086,539; Feb. 10; Gaz. vol. 199; p. 380.
- Krager, Charles L., Daisy, Tenn., assignor to Herty Turpentine Co., Jacksonville, Fla. Sap-directing spout. No. 1,107,969; Aug. 18; Gaz. vol. 205; p. 925.
- Krager, Henry G., Lestershire, N. Y. Automatic gas-controller. No. 1,112,707; Oct. 6; Gaz. vol. 207; p. 106.
- Krah, Edward A., Jr. (See Reinecke, Weber, and Krah.)
- Krahn, Alvin W. (See Fischechid and Krahn.)
- Krajewski-Pesant Corporation. (See Newbold, Charles E., assignor.)
- Krajny, John, New Brighton, Pa. Parachute. No. 1,113,655; Oct. 13; Gaz. vol. 207; p. 475.
- Krajnyak, Andrew, et al. (See Kobling, Anton S., assignor.)
- Krakau, Harry T., Cleveland, Ohio, assignor to The National Malleable Castings Company. Pivotal connection for locomotives of the Mallet articulated type. No. 1,090,631; Mar. 17; Gaz. vol. 200; p. 765.
- Krakau, Harry T., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,099,853; June 9; Gaz. vol. 203; p. 551.
- Krakau, Harry T., assignor to The National Malleable Castings Company, Cleveland, Ohio. Coupling-support. No. 1,099,854; June 9; Gaz. vol. 203; p. 551.
- Krakau, Harry T., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,104,516; July 21; Gaz. vol. 204; p. 885.
- Krakau, Harry T., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,122,952; Dec. 29; Gaz. vol. 209; p. 1568.
- Krakau, Harry T., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,123,130; Dec. 29; Gaz. vol. 209; p. 1630.
- Krakel, Clarence D. (See Schrader, Harry B., assignor.)
- Kraker, George M., assignor to The Kraker Pen Co., Kansas City, Mo. Clip for fountain-pens. No. 1,111,469; Sept. 22; Gaz. vol. 206; p. 1044.
- Kraker Pen Co., The. (See Kraker, George M., assignor.)
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- Kralik, Joseph, Belleville, Ill. Yieldable reinforcement for vessels. No. 1,110,798; Sept. 15; Gaz. vol. 206; p. 769.
- Kralund, John, New York, assignor to Doehler Die Casting Company, Brooklyn, N. Y. Bearing. No. 1,121,849; Dec. 22; Gaz. vol. 209; p. 1147.
- Kramarczyk, Franciszek, New Haven, Conn. Door-lock. No. 1,114,368; Oct. 20; Gaz. vol. 207; p. 767.
- Kramer, Andrew A., Kansas City, Kans. Silo. No. 1,100,081; June 16; Gaz. vol. 203; p. 668.
- Kramer, Andrew A., Kansas City, Kans. Poultry-house. No. 1,104,197; July 21; Gaz. vol. 204; p. 772.
- Kramer, Andrew A., Kansas City, Kans. Manufacturing fence-posts. No. 1,111,909; Sept. 29; Gaz. vol. 206; p. 1236.
- Krämer, Bernhard, Charlottenburg, Germany, assignor to General Electric Company. Governing mechanism. No. 1,085,271; Jan. 27; Gaz. vol. 193; p. 769.
- Krämer, Bernhard, Charlottenburg, Germany, assignor to General Electric Company. Pump-regulator. No. 1,106,949; Aug. 11; Gaz. vol. 205; p. 521.
- Krämer, Bernhard, Charlottenburg, Germany, assignor to General Electric Company. Regulating mixed-pressure turbines. No. 1,110,799; Sept. 15; Gaz. vol. 206; p. 769.
- Krämer, Bernhard, Charlottenburg, Germany, assignor to General Electric Company. Mechanism for starting internal-combustion engines. No. 1,122,007; Dec. 22; Gaz. vol. 209; p. 1203.
- Krämer, Bernhard, Charlottenburg, Germany, assignor to General Electric Company. Combined starting and relief valve. No. 1,122,008; Dec. 22; Gaz. vol. 209; p. 1204.
- Krämer, Bernhard, Charlottenburg, Germany, assignor to General Electric Company. Internal-combustion engine. No. 1,122,009; Dec. 22; Gaz. vol. 209; p. 1204.
- Krämer, Christian, Frankfurt-on-the-Main, Germany, assignor, by mesne assignments, to General Electric Company. Converter. No. 1,096,923; May 19; Gaz. vol. 202; p. 675.
- Krämer, Christian, Berlin, Germany, assignor to General Electric Company. Gas-tight mechanical seal. No. 1,097,552; May 19; Gaz. vol. 202; p. 893.
- Kramer, Emil M., Paxton, Ill. Agricultural machine. No. 1,115,839; Nov. 3; Gaz. vol. 208; p. 126.
- Kramer, Francis W., Philadelphia, Pa. Toy railway. No. 1,096,632; May 12; Gaz. vol. 202; p. 532.
- Kramer, Frank, Chillicothe, Tex. Drag-harrow. No. 1,096,844; May 19; Gaz. vol. 202; p. 646.
- Kramer, Frank, assignor of thirty-five one-hundredths to D. C. Boice, Seattle, Wash. Assorting apparatus. No. 1,104,993; July 28; Gaz. vol. 204; p. 1097.
- Kramer, Frank, assignor of one-half to A. J. Slocum, Seattle, Wash. Sawing-machine. No. 1,122,402; Dec. 29; Gaz. vol. 209; p. 1375.
- Kramer, Frank W., Portland, Oreg. Adjustable bed. No. 1,108,502; Aug. 25; Gaz. vol. 205; p. 1161.
- Kramer, Hans von, Edgbaston, Birmingham, England. Means for the regulation or control of railway and like traffic. No. 1,094,407; Apr. 21; Gaz. vol. 201; p. 848.
- Kramer, Harry J., Boston, Mass. Charting dress-patterns. No. 1,098,736; June 2; Gaz. vol. 203; p. 129.
- Kramer, Harry J., Dorchester, Mass. Laying out a skirt-pattern. No. 1,098,737; June 2; Gaz. vol. 203; p. 130.
- Kramer, Joseph, Mobile, Ala. Cartridge-discharging attachment for guns. No. 1,089,000; Mar. 3; Gaz. vol. 200; p. 112.
- Kramer, Josephus A. P., Terborg, Netherlands. Knitting-machine. No. 1,116,444; Nov. 10; Gaz. vol. 208; p. 374.
- Kramer, Louis A., assignor to Gus V. Brecht Butchers' Supply Company, St. Louis, Mo. Carcass scraping and polishing machine. No. 1,096,038; May 12; Gaz. vol. 202; p. 330.
- Kramer, Phillip R., Bay City, Mich. Motor for tree-felling machines. No. 1,085,814; Feb. 3; Gaz. vol. 199; p. 84.
- Krampitz, Robert A. W., Spokane, Wash. Fuse-igniter. No. 1,101,292; June 23; Gaz. vol. 203; p. 1139.
- Kranebiel, John V., Williamsville, N. Y. Washing-machine. No. 1,102,987; July 7; Gaz. vol. 204; p. 264.
- Krantz, Carl. (See Blomberg, Peter A., assignor.)
- Krantz, Carl A., Chicago, Ill. Propeller and driving means therefor. No. 1,119,178; Dec. 1; Gaz. vol. 209; p. 97.
- Krantz, Clas H., Red Wing, Minn. Lamp-extinguisher. No. 1,108,503; Aug. 25; Gaz. vol. 205; p. 1161.
- Krantz, Edward, Chicago, Ill. Cleaner. No. 1,098,507; June 2; Gaz. vol. 203; p. 52.
- Krantz, Karl A., *et al.* (See Bassett, Robert D., assignor.)
- Krapf, Emile F., assignor to J. M. Flannery, Pittsburgh, Pa. Ink. No. 1,097,981; May 26; Gaz. vol. 202; p. 1092.
- Kratky, Anton, Vienna, Austria-Hungary, assignor to H. B. Smith, Brooklyn, N. Y. Pyrophoric alloy. No. 1,118,138; Nov. 24; Gaz. vol. 208; p. 1051.
- Kratky, Frank, New York, N. Y. Life-boat-launching mechanism. No. 1,103,971; July 21; Gaz. vol. 204; p. 696.
- Kratochwill, Frank D., Boscobel, Wis. Fish-spear. No. 1,110,213; Sept. 8; Gaz. vol. 206; p. 522.
- Kratt, Charles, Glasgow, Scotland. Heating apparatus. No. 1,095,405; May 5; Gaz. vol. 202; p. 79.
- Kratz, Franz, assignor to Firm of R. Bosch, Stuttgart, Germany. Electrical ignition system for internal-combustion engines. No. 1,083,285; Jan. 6; Gaz. vol. 198; p. 9.
- Kratz, Oscar E., assignor to H. Carhartt, manufacturer, Detroit, Mich. Safety-pocket. No. 1,103,298; July 14; Gaz. vol. 204; p. 421.
- Kratzmann, Gustav, Barsbüttel, Altrahlstedt, Germany. Transportable potato-hole-digging machine. No. 1,093,938; Apr. 21; Gaz. vol. 201; p. 692.
- Kraus, Charles A., Newton Highlands, Mass. Rectifying apparatus. No. 1,086,300; Feb. 3; Gaz. vol. 199; p. 251.
- Kraus, Charles A., Newton Highlands, Mass. Conducting-seal for vacuum-containers. No. 1,093,997; Apr. 21; Gaz. vol. 201; p. 712.
- Kraus, Charles A., Newton Highlands, and R. D. Mailey, Lynn, Mass. Electrode for vapor electric apparatus. No. 1,109,764; Sept. 8; Gaz. vol. 206; p. 361.
- Kraus Engine Company. (See Kraus, Otto, assignor.)
- Kraus, Ernest, Lynn, Mass., assignor to General Electric Company. Making titanium and other alloys. No. 1,089,773; Mar. 10; Gaz. vol. 200; p. 425.
- Kraus Light Company, The. (See Kraus, Samuel F., assignor.)
- Kraus, Otto, assignor to Kraus Engine Company, New York, N. Y. Apparatus for the production of working fluids for motors. No. 1,087,451; Feb. 17; Gaz. vol. 199; p. 748.
- Kraus, Rudolf, New York, N. Y. Cuspidor. No. 1,122,614; Dec. 29; Gaz. vol. 209; p. 1449.
- Kraus, Samuel F., assignor to The Kraus Light Company, Denver, Colo. Gas-jet regulator. No. 1,088,825; Mar. 3; Gaz. vol. 200; p. 52.
- Krausch, Walter T. (See Elder and Krausch.)
- Krause, Albert F., assignor of one-half to C. C. Ladd, Buffalo, N. Y. Air-pump. No. 1,119,834; Dec. 8; Gaz. vol. 209; p. 357.
- Krause, Arthur E., Jersey City, N. J. Strainer. No. 1,111,470; Sept. 22; Gaz. vol. 206; p. 1044.
- Krause, Arthur E., Jersey City, N. J. Strainer. No. 1,111,471; Sept. 22; Gaz. vol. 206; p. 1044.
- Krause Carburetor Company, The. (See Krause, Richard E., assignor.)
- Krause, Ernst, Steglitz, near Berlin, Germany. Manufacture of food preparations or extracts. No. 1,113,021; Oct. 6; Gaz. vol. 207; p. 211.
- Krause, Franz, New York, N. Y. Sled. No. 1,117,860; Nov. 17; Gaz. vol. 208; p. 915.
- Krause, John F. (See Wenker and Krause.)
- Krause, Joseph, Chicago, Ill. Water-key for trombones. No. 1,083,620; Jan. 6; Gaz. vol. 198; p. 120.
- Krause, Firm of Max. (See Grafe, Ernst M., assignor.)
- Krause, Richard E., assignor to The Krause Carburetor Company, Cleveland, Ohio. Carburetor. No. 1,113,221; Oct. 13; Gaz. vol. 207; p. 323.
- Krause, William G. C., and G. H. Thomas, Waterbury, Conn.; said Thomas assignor to said Krause. Bung-extractor. No. 1,107,804; Aug. 18; Gaz. vol. 205; p. 870.
- Krause, William S., Trinidad, Colo. Separable drain-cock. No. 1,100,136; June 16; Gaz. vol. 203; p. 687.
- Krausgrill, Charles H., Portland, Oreg. Machine for making check-book covers. No. 1,113,022; Oct. 6; Gaz. vol. 207; p. 211.
- Krauskopf, George H., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Brush-lifting device for dynamo-electric machines. No. 1,089,137; Mar. 3; Gaz. vol. 200; p. 161.
- Krauss, Adolf, Cannstatt, assignor to Firm of R. Bosch, Stuttgart, Germany. Brush-holder. No. 1,093,634; Apr. 21; Gaz. vol. 201; p. 591.
- Krauss, Friedrich, Munich, Germany. Gas-generator. No. 1,095,217; May 5; Gaz. vol. 202; p. 16.
- Krauss, Friedrich, Munich, Germany. Oxyacetylene and similar burner. No. 1,095,580; May 5; Gaz. vol. 202; p. 139.
- Krauss, Hans G., Munich, assignor to Firm of J. A. Maffei, Munich-Hirschau, Germany. Lathe or similar cutting-machine. No. 1,100,747; June 23; Gaz. vol. 203; p. 949.
- Krauss, Peter W., assignor, to Technical Supply Co., Scranton, Pa. Clamping attachment for T-squares. No. 1,121,512; Dec. 15; Gaz. vol. 209; p. 992.
- Krauth, Albert, Hamilton, Ohio. Paper-cutter. No. 1,098,508; June 2; Gaz. vol. 203; p. 53.
- Krauth, Albert, Hamilton, Ohio. Propelling mechanism for paper-feeding apparatus. No. 1,098,509; June 2; Gaz. vol. 203; p. 53.
- Krauth, Albert, Hamilton, Ohio. Paper feeding and severing mechanism for manifolding-machines. No. 1,098,510; June 2; Gaz. vol. 203; p. 53.
- Krauth, Albert, Hamilton, Ohio. Paper feeding, severing, and storage apparatus. No. 1,098,511; June 2; Gaz. vol. 203; p. 54.
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- Krauth, Albert, Hamilton, Ohio. Paper feeding and severing mechanism. No. 1,119,180; Dec. 1; Gaz. vol. 209; p. 98.
- Krauth, Albert, Hamilton, Ohio. Autographic register. No. 1,122,508; Dec. 29; Gaz. vol. 209; p. 1411.
- Krauth, Edward H., and E. Hamblin, Jr., Woodward, Okla. Fly-trap. No. 1,119,434; Dec. 1; Gaz. vol. 209; p. 184.
- Kravcak, Jahn, Paterson, N. J. Spring-tire. No. 1,109,995; Sept. 8; Gaz. vol. 206; p. 444.
- Krawczyk, Stanislaw, Buffalo, N. Y. Life-boat. No. 1,102,764; July 7; Gaz. vol. 204; p. 189.
- Krayer, Stephen S., St. Louis, Mo. Gas-engine. No. 1,096,544; May 12; Gaz. vol. 202; p. 502.
- Krayer, Stephen S., St. Louis, Mo. Resilient vehicle-tire. No. 1,097,237; May 19; Gaz. vol. 202; p. 787.
- Krayer, Stephen S., St. Louis, Mo. Gas-engine starter. No. 1,104,050; July 21; Gaz. vol. 204; p. 723.
- Krebs, Arthur C., assignor to Société Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Lubrication of engines. No. 1,096,924; May 19; Gaz. vol. 202; p. 675.
- Krebs, Arthur C., assignor to Société Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Flexible joint for coupling two transmission-shafts. No. 1,107,315; Aug. 18; Gaz. vol. 205; p. 695.
- Krebs, Arthur C., assignor to Société Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Clutch and gear shifter. No. 1,112,810; Oct. 6; Gaz. vol. 207; p. 140.
- Krebs, Charles E. (See Pollock, Benjamin P., assignor.)
- Krebs Commercial Car Company, The. (See Bachle and Wells, assignors.)
- Krebs, John C. L. (See Bachle and Krebs.)
- Krebs, Richard, Jr. (See Dobbs and Krebs.)
- Krebs, William, Albany, assignor of one-half to A. L. Dutcher, Menands, N. Y. Automobile-signal. No. 1,112,457; Oct. 6; Gaz. vol. 207; p. 15.
- Kreczkowski, Michael, New York, N. Y. Wardrobe-bed cabinet. No. 1,121,636; Dec. 22; Gaz. vol. 209; p. 1072.
- Kreeger, Joseph A., Lees Summit, Mo. Ice-cutter. No. 1,106,225; Aug. 4; Gaz. vol. 205; p. 222.
- Krefting, Axel, assignor to Norsk Tangsyndikat, Christiania, Norway. Producing an adhesive substance of a light color from seaweeds. No. 1,099,382; June 9; Gaz. vol. 203; p. 392.
- Krefting, Peter, Christiania, Norway. Electric furnace working with an electric arc or arcs for melting and extraction of metal from ore. No. 1,097,336; May 19; Gaz. vol. 202; p. 822.
- Kreh, Henry M., Philadelphia, Pa. Humidor cigar-box. No. 1,087,022; Feb. 10; Gaz. vol. 199; p. 546.
- Kreid, Eduard, New Britain, Conn. Mouse-trap. No. 1,117,402; Nov. 17; Gaz. vol. 208; p. 754.
- Kreidl, Ignaz, Vienna, Austria-Hungary. Cloudening agent for producing cloudening effects in white enamels and producing the same. No. 1,101,455; June 23; Gaz. vol. 203; p. 1194.
- Kreidl, Ignaz, Vienna, Austria-Hungary. Enameling composition. No. 1,104,679; July 21; Gaz. vol. 204; p. 940.
- Kreidl, Ignaz, Vienna, Austria-Hungary. Producing an opaquing agent for white enamel. (Reissue.) No. 1,379,1; Aug. 25; Gaz. vol. 205; p. 1291.
- Kreidl, Ignaz, Vienna, Austria-Hungary. White enamel. No. 1,117,197; Nov. 17; Gaz. vol. 208; p. 682.
- Kreiser, John R., Lebanon, Pa. Nut-making machine. No. 1,100,891; June 23; Gaz. vol. 203; p. 999.
- Kreiss, Henry, Elizabeth, N. J. Oilier for locomotives. No. 1,121,637; Dec. 22; Gaz. vol. 209; p. 1072.
- Kreitzer, Joseph M., Briggsdale, Colo. Operating-table. No. 1,117,403; Nov. 17; Gaz. vol. 208; p. 754.
- Krell, Albert. (See Nordeen and Krell.)
- Krell Auto-Grand Piano Co. of America. (See Nordeen and Krell, assignors.)
- Krell Auto-Grand Piano Co. of America. (See Welin, Peter, assignor.)
- Krell Auto-Grand Piano Company of America. (See Leschbrandt, Einar, assignor.)
- Krell, Bernard M., New York, N. Y. Buttonhole-sewing machine attachment. No. 1,101,746; June 30; Gaz. vol. 203; p. 1345.
- Krell, Emil F., Detroit, Mich. Spring-wheel. No. 1,100,137; June 16; Gaz. vol. 203; p. 687.
- Krell, William H., Chicago, Ill. Pencil. No. 1,097,238; May 19; Gaz. vol. 202; p. 787.
- Kremelberg, Gertrude M., Pittsfield, Mass. Water system. No. 1,094,152; Apr. 21; Gaz. vol. 201; p. 765.
- Kremenezky, Firm of Johann. (See Kremenezky and Jellinek, assignors.)
- Kremenezky, Johann, and J. Jellinek, assignors to Firm of J. Kremenezky, Vienna, Austria-Hungary. Machine for sealing supporting-wires into the beads of glass rods of metal-filament electric incandescent lamps. No. 1,117,059; Nov. 10; Gaz. vol. 208; p. 593.
- Kremenezky, Johann, and J. Jellinek, assignors to Firm of J. Kremenezky, Vienna, Austria-Hungary. Machine for producing beads on glass rods. No. 1,117,060; Nov. 10; Gaz. vol. 208; p. 594.
- Kremetz & Company. (See Hegewald, Frank, assignor.)
- Kremer, Franklin W., Carlstadt, assignor to United Motors Company, Rutherford, N. J. Tire. No. 1,099,454; June 9; Gaz. vol. 203; p. 416.
- Kremer, Gustav, Paterson, N. J. Hat-binding. No. 1,093,338; Apr. 14; Gaz. vol. 201; p. 452.
- Kremers, John G., Milwaukee, Wis. Refining sugar. No. 1,107,172; Aug. 11; Gaz. vol. 205; p. 598.
- Kremiansky, Abraham, Courbevoie, France. Hammering-machine and the like. No. 1,097,648; May 26; Gaz. vol. 202; p. 971.
- Krentler-Arnold Hinge Last Company. (See Krentler, Walter A., assignor.)
- Krentler Brothers Company. (See Krentler, Walter A., assignor.)
- Krentler, Edwin O., Detroit, Mich. Making dies for shoe parts. No. 1,121,377; Dec. 15; Gaz. vol. 209; p. 946.
- Krentler, Walter A., assignor to Krentler Brothers Company, Detroit, Mich. Last protection. No. 1,092,111; Mar. 31; Gaz. vol. 200; p. 1341.
- Krentler, Walter A., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Last. No. 1,094,153; Apr. 21; Gaz. vol. 201; p. 765.
- Kreseen, Theodor, Young America, Ind. Shears. No. 1,088,429; Feb. 24; Gaz. vol. 199; p. 1132.
- Kress, Frederick A. (See Converse and Kress.)
- Kress, Henry G., Manitowoc, Wis. Rotary combustion engine. No. 1,109,341; Sept. 1; Gaz. vol. 206; p. 172.
- Kress, Jacob A., Canton, Ohio. Razor-sharpener. No. 1,106,717; Aug. 11; Gaz. vol. 205; p. 439.
- Kress, John, New Rochelle, N. Y. Mixing-machine for mayonnaise. No. 1,121,107; Dec. 15; Gaz. vol. 209; p. 854.
- Kretser, Joel L., Plainfield, Wis. Box-former. No. 1,120,507; Dec. 8; Gaz. vol. 209; p. 593.
- Kretzer, Sidney D., St. Louis, Mo. Lightning-rod. No. 1,098,738; June 2; Gaz. vol. 203; p. 130.
- Kretzschmar, Walter. (See Wagner, Otto, assignor.)
- Kreusler, Hans, Wilmersdorf, near Berlin, Germany, assignor, by mesne assignments, to General Electric Company. Manufacturing alloys of tungsten and other highly-refractory metals related to it. No. 1,110,303; Sept. 8; Gaz. vol. 206; p. 555.
- Kreuter, Albert A., and E. D. Dennis, Plymouth, Wis. Indicating mechanism. No. 1,101,636; June 30; Gaz. vol. 203; p. 1310.
- Kreuter, Gustav, Berlin, Germany. Apparatus for disinfecting the seats of water-closets. No. 1,095,891; May 5; Gaz. vol. 202; p. 243.
- Kreuzkamp, August J., assignor to Englander Spring Bed Company, Brooklyn, N. Y. Spring or spring-mattress. No. 1,100,379; June 16; Gaz. vol. 203; p. 771.
- Kreuzkamp, August J., assignor to Englander Spring Bed Company, Brooklyn, N. Y. Couch or bed hammock. No. 1,100,380; June 16; Gaz. vol. 203; p. 771.
- Kreuzkamp, August J., assignor to The Englander Spring Bed Company, Brooklyn, N. Y. Wire mattress. No. 1,100,701; June 16; Gaz. vol. 203; p. 877.
- Kreuzkamp, Paul W., assignor to Englander Spring Bed Company, Brooklyn, N. Y. Collapsible bed. No. 1,119,835; Dec. 8; Gaz. vol. 209; p. 357.
- Kreyčík, John F., Lynch, Nebr. Permutation-lock. No. 1,111,073; Sept. 22; Gaz. vol. 206; p. 908.
- Krich, Frank, New York, N. Y. Safety-extinguisher for lamps. No. 1,115,214; Oct. 27; Gaz. vol. 207; p. 1120.
- Krichbaum, William F., Newark, N. J., assignor to Foster Engineering Company. Automatic stop-valve. No. 1,119,287; Dec. 1; Gaz. vol. 209; p. 132.
- Krieg, Albert. (See Burnhart and Krieg.)
- Krieg, Jesse, and D. Z. Padgett, Adamstown, Md. Gate. No. 1,115,686; Nov. 3; Gaz. vol. 208; p. 75.
- Krieger, Louis, Paris, France, assignor to General Electric Company. Ignition system. No. 1,121,025; Dec. 15; Gaz. vol. 209; p. 823.
- Kriehn, William G., Two Rivers, Wis. Ironing-board. No. 1,119,836; Dec. 8; Gaz. vol. 209; p. 358.
- Kriha, Joseph C., Ravenna, Nebr. Adjustable fork-socket. No. 1,107,970; Aug. 18; Gaz. vol. 205; p. 925.
- Krippendorf, Charles H., et al. (See Waid, James F., assignor.)
- Krippendorf, Paul F. W. C., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Skiving-machine. No. 1,106,461; Aug. 11; Gaz. vol. 205; p. 348.
- Krippendorf, Paul F. W. C., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Cutting-die. No. 1,117,061; Nov. 10; Gaz. vol. 208; p. 594.
- Kristufek, Ladislav F., assignor to Brown & Mehlhove, Chicago, Ill. Magneto-operating mechanism. No. 1,120,315; Dec. 8; Gaz. vol. 209; p. 525.
- Kritter, William A., Amityville, N. Y., assignor to American Bank Note Company. Printing from intaglio, engraved, or undersurface plates. No. 1,092,269; Apr. 7; Gaz. vol. 201; p. 50.
- Krna, Steve. (See Nesvadba, John, assignor.)
- Krna, Steve T. (See Turzik, Paul, assignor.)

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- Kroedel, Robert. (See Robertson and Kroedel.)
- Kroehler, Peter E., Naperville, Ill. Spring construction for upholstered davenport, couches, and chairs. No. 1,122,283; Dec. 29; Gaz. vol. 209; p. 1336.
- Kroenert, Christian F. M., and H. J. Meyer, Altona, Germany. Adjusting device for pattern-cylinders of printing-machines. No. 1,083,543; Jan. 6; Gaz. vol. 198; p. 95.
- Kroenert, Christian F. M., and H. J. Meyer, Altona-on-the-Elbe, Germany. Color-printing machine. No. 1,086,721; Feb. 10; Gaz. vol. 199; p. 444.
- Krosser, Ludwig J., Boston, Mass. Monotype casting-machine. No. 1,099,806; June 9; Gaz. vol. 203; p. 535.
- Kroger, Peter H., Jr., Wessington Springs, S. D. Corn-planter. No. 1,103,299; July 14; Gaz. vol. 204; p. 421.
- Krogh, Ferdinand W., San Francisco, Cal. Centrifugal pump. No. 1,117,861; Nov. 17; Gaz. vol. 208; p. 915.
- Kroglund, Olaf. (See Halvorsen and Kroglund.)
- Krohn, John, Chicago, Ill. Driving mechanism for electrically-propelled vehicles. (Reissue.) No. 13,853; Dec. 29; Gaz. vol. 209; p. 1662.
- Krohn, Wolf. (See Steiner, Sigmund, assignor.)
- Krokavetz, Martin, Cleveland, Ohio. Storage-battery plate. No. 1,107,618; Aug. 18; Gaz. vol. 205; p. 804.
- Krombach, Harry J., New York, N. Y. Centering device for lathes. No. 1,095,581; May 5; Gaz. vol. 202; p. 140.
- Krompigel, Matthiss, and J. Hradiski, Brier Hill, Pa. Life-boat. No. 1,121,733; Dec. 22; Gaz. vol. 209; p. 1106.
- Krone, Oscar E., Mapleton, Mich. Recording instrument. No. 1,093,704; Apr. 21; Gaz. vol. 201; p. 616.
- Kronenberg, Samuel T., assignor of fifty-five one-hundredths to J. C. Wolfram, Pittsburgh, Pa. Spring-wheel. No. 1,101,195; June 23; Gaz. vol. 203; p. 1106.
- Kronenbitter, Frank E., Maywood, Ill. Prop or stand for supporting motor-cycles. No. 1,105,353; July 28; Gaz. vol. 204; p. 1226.
- Kroner, Frank A. (See Weintraub and Kroner.)
- Kronheim, Jacob, Detroit, Mich. Upholstery-former. No. 1,111,965; Sept. 29; Gaz. vol. 206; p. 1252.
- Kronheim, Jacob, Flint, Mich. Method of upholstery. No. 1,111,966; Sept. 29; Gaz. vol. 206; p. 1253.
- Kronke, Richard P., Meriden, Conn. Tug-loop. No. 1,088,908; Mar. 3; Gaz. vol. 200; p. 80.
- Kroos, Robert H., Sheboygan, Wis. Drawer-guide. No. 1,111,026; Sept. 22; Gaz. vol. 206; p. 891.
- Kropp, John A. (See Wiley and Kropp.)
- Kropp, John A., Newark, N. J., assignor to Western Electric Company, New York, N. Y. Sender. No. 1,122,615; Dec. 29; Gaz. vol. 209; p. 1449.
- Kropp, Otto, West Hoboken, N. J. Parachute attachment for aeroplanes. No. 1,101,196; June 23; Gaz. vol. 203; p. 1106.
- Kropp, Paul, Dresden, Germany. Separator. No. 1,104,051; July 21; Gaz. vol. 204; p. 723.
- Krotz, Alvaro S., assignor to Sears, Roebuck & Company, Chicago, Ill. Vehicle driving mechanism. No. 1,115,944; Nov. 3; Gaz. vol. 208; p. 162.
- Krous, Daniel. (See Obermire and Krous.)
- Kroyer, John M., Stockton, Cal. Tractor-wheel. No. 1,109,294; Sept. 1; Gaz. vol. 206; p. 155.
- Krsien, Charles, Hutchinson, Minn. Steering mechanism. No. 1,087,591; Feb. 17; Gaz. vol. 199; p. 797.
- Kruchio, Anthony, *et al.* (See Jenoi and Kruchio, assignors.)
- Kruchio, Sarah, *et al.* (See Jenoi and Kruchio, assignors.)
- Kruchio, Sarah, *et al.* (See Jenoi and Nagy, assignors.)
- Kruchio, Sarah, *et al.* (See Jenoi and Stevenson, assignors.)
- Kruchio, Steve. (See Jenoi and Kruchio.)
- Kruchio, Steve, *et al.* (See Jenoi and Nagy, assignors.)
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- Kruckow, Fritz N., Detroit, Mich. Motor-vehicle fender. No. 1,099,058; June 2; Gaz. vol. 203; p. 235.
- Krucoff, Samuel. (See Ackerman, Maurice, assignor.)
- Krue, Louis. (See Krue, Martin, assignor.)
- Krue, Martin, assignor of one-half to L. Krue, Madison, Ind. Paper holder and cutter. No. 1,117,404; Nov. 17; Gaz. vol. 208; p. 755.
- Krueck, Caroline. (See Krueck, Jakob G., assignor.)
- Krueck, Jakob G., assignor of one-half to C. Krueck, Cleveland, Ohio. C-clamp. No. 1,093,438; Apr. 14; Gaz. vol. 201; p. 484.
- Kruecke, Herman E., Milwaukee, Wis. Hydraulic air-pump. No. 1,117,581; Nov. 17; Gaz. vol. 208; p. 816.
- Krueger, August C., Cambria, Wis. Windmill. No. 1,093,862; Apr. 21; Gaz. vol. 201; p. 667.
- Krueger, Frank G., *et al.* (See Marker, Henry H., assignor.)
- Kruesi, August H., Schenectady, N. Y., assignor to General Electric Company. Water-supply system. No. 1,085,272; Jan. 27; Gaz. vol. 198; p. 770.
- Kruesi, August H., Schenectady, N. Y., assignor to General Electric Company. Means for utilizing exhaust-steam. No. 1,096,925; May 19; Gaz. vol. 202; p. 676.
- Krug, Carl, Frankfort-on-the-Main, Germany. Pasteurizing liquids. No. 1,119,520; Dec. 1; Gaz. vol. 209; p. 214.
- Krug, Dayton, assignor to The Gilliam Manufacturing Company, Canton, Ohio. Harness-saddle. No. 1,099,148; June 2; Gaz. vol. 203; p. 264.
- Krug, Ira R., Philadelphia, Pa. Internal-combustion-engine control. No. 1,093,586; Apr. 14; Gaz. vol. 201; p. 530.
- Krug, Karl, Fechenheim, Frankfort-on-the-Main, Germany. Grinding-machine. No. 1,102,344; July 7; Gaz. vol. 204; p. 43.
- Krug, Philip, Hoisington, Kans. Plow. No. 1,113,656; Oct. 13; Gaz. vol. 207; p. 476.
- Kruger, Andrew, Holland, Iowa. Railway-tie. No. 1,086,328; Feb. 3; Gaz. vol. 199; p. 259.
- Kruger, Charles M., Hannibal, Mo. Vapor-generator. No. 1,093,138; Apr. 14; Gaz. vol. 201; p. 384.
- Kruh, Oslas O., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 1,086,185; Feb. 3; Gaz. vol. 199; p. 214.
- Kruh, Oslas O., Schenectady, N. Y., assignor to General Electric Company. Vapor electric device. No. 1,086,186; Feb. 3; Gaz. vol. 199; p. 214.
- Kruh, Oslas O., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 1,091,669; Mar. 31; Gaz. vol. 200; p. 1190.
- Kruh, Oslas O., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 1,104,198; July 21; Gaz. vol. 204; p. 773.
- Kruh, Oslas O., Czortkow, Austria-Hungary, assignor to General Electric Company. Vapor electric apparatus. No. 1,113,657; Oct. 13; Gaz. vol. 207; p. 476.
- Krum, Christian A., Burbank, Cal. Box-fastening. No. 1,095,119; Apr. 28; Gaz. vol. 201; p. 1156.
- Krummel, Louis C., Clinton, Conn. Friction-top can. No. 1,084,451; Jan. 13; Gaz. vol. 198; p. 424.
- Krummel, Louis C., Clinton, Conn. Can-heading machine. No. 1,086,187; Feb. 3; Gaz. vol. 199; p. 215.
- Krummel, Louis C., Clinton, Conn. Mechanism for feeding can-bodies and can ends to a can-making machine. No. 1,091,468; Mar. 24; Gaz. vol. 200; p. 1076.
- Krummel, Louis C., Clinton, Conn. Automatic signal and stop for railways. No. 1,117,862; Nov. 17; Gaz. vol. 208; p. 916.
- Krumming, Reinhold, Milwaukee, Wis. Filing device or album. No. 1,084,349; Jan. 13; Gaz. vol. 198; p. 392.
- Krumming, Reinhold, Milwaukee, Wis. Leaf and cover holder for books. No. 1,090,632; Mar. 17; Gaz. vol. 200; p. 765.
- Krumming, Reinhold, Milwaukee, Wis. Temporary binder or loose-sheet holder. No. 1,091,146; Mar. 24; Gaz. vol. 200; p. 971.
- Krumming, Reinhold, Milwaukee, Wis. Temporary binder or loose-sheet holder. No. 1,110,444; Sept. 15; Gaz. vol. 206; p. 645.
- Kruschke, Rudolph C., Duluth, Minn. Mining-headlight. No. 1,093,339; Apr. 14; Gaz. vol. 201; p. 452.
- Kruse, August M., assignor to The American Steel Package Company, Defiance, Ohio. Metallic receptacle. No. 1,090,218; Mar. 17; Gaz. vol. 200; p. 619.
- Krusi, John, assignor of one-half to I. Schofer, New York, N. Y. Embroidery-machine. No. 1,089,418; Mar. 10; Gaz. vol. 200; p. 301.
- Kruszewski, Antoni, Cleveland, Ohio. Combination garment-hanger. No. 1,111,472; Sept. 22; Gaz. vol. 206; p. 1045.
- Krutttschnitt, Julius, New York, N. Y. Rail-spike. No. 1,084,804; Jan. 20; Gaz. vol. 198; p. 574.
- Kryder, Frank L., Akron, Ohio. Antiskid means for shoes. No. 1,097,239; May 19; Gaz. vol. 202; p. 787.
- Kryger, Henry H., Minneapolis, Minn. Traction-engine. No. 1,120,945; Dec. 15; Gaz. vol. 209; p. 796.
- Kubát, Josef, Kladno, Austria-Hungary. Drill-support. No. 1,085,344; Jan. 27; Gaz. vol. 198; p. 795.
- Kubiak, Henry J., Philadelphia, Pa. Steam-turbine. No. 1,118,557; Nov. 24; Gaz. vol. 208; p. 1199.
- Kubina, William. (See White and Leonard, assignors.)
- Kubler, George A. (See Schröder, Fritz, assignor.)
- Kubokawa, Haruyoshi, Vancouver, British Columbia, Canada. Animal-trap. No. 1,097,031; May 19; Gaz. vol. 202; p. 713.
- Kucera, Harry A., Philadelphia, Pa. Bottle-stopper. No. 1,099,059; June 2; Gaz. vol. 203; p. 235.
- Küch, Richard, Hanau, Germany, assignor, by mesne assignments, to General Electric Company. Gas or vapor electric lamp. No. 1,090,992; Mar. 24; Gaz. vol. 200; p. 917.
- Küch, Richard, Hanau, Germany, assignor, by mesne assignments, to General Electric Company. Mercury-vapor lamp. No. 1,095,175; Apr. 28; Gaz. vol. 201; p. 1179.
- Küch, Richard, Hanau, Germany, assignor, by mesne assignments, to General Electric Company. Means for starting alternate-current mercury-vapor lamps. No. 1,101,197; June 23; Gaz. vol. 203; p. 1106.
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- Kuck, Henry G. (See Stuber and Kuck.)

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- Kucki, Louis J., Chicago, Ill. Cleaner. No. 1,102,765; July 7; Gaz. vol. 204; p. 190.
- Kudia, Anton C., Meriden, Conn. Window-shade fixture. No. 1,090,546; Mar. 17; Gaz. vol. 200; p. 735.
- Kuebler, John M., Wausau, and J. R. Frantz, assignors to E. B. Hayes Machine Company, Oshkosh, Wis. Gluing mechanism. No. 1,122,616; Dec. 29; Gaz. vol. 209; p. 1449.
- Kuechenmeister, Henry, and A. A. Seidel, St. Louis, Mo. Packing-receptacle. No. 1,089,774; Mar. 10; Gaz. vol. 200; p. 425.
- Kuechler, Will, *et al.* (See Lytle, Harry R., assignor.)
- Kuefer, Mathias, Lake George township, Stearns county, Minn. Quack-grass digger. No. 1,102,518; July 7; Gaz. vol. 204; p. 103.
- Kuehl, George W. (See Bystrom, John, assignor.)
- Kuehn Automatic Pipe Line Coupler Company. (See Kuehn, George W., assignor.)
- Kuehn, Charles P., assignor to A. Stein & Company, Chicago, Ill. Fastener for garters. No. 1,096,545; May 12; Gaz. vol. 202; p. 503.
- Kuehn, George W., Philadelphia, Pa., assignor to Kuehn Automatic Pipe Line Coupler Company. Automatic pipe-line coupling for cars. No. 1,098,269; May 26; Gaz. vol. 202; p. 1191.
- Kuehn, Paul, Detroit, Mich. Combined amalgamator and concentrator. No. 1,100,020; June 16; Gaz. vol. 203; p. 646.
- Kuehne, Oscar C. (See Voigt and Kuehne.)
- Kuehner, Herman R., Camden, N. J. Lever for flush-tanks. No. 1,086,456; Feb. 10; Gaz. vol. 199; p. 352.
- Kuehny, August, *et al.* (See Kuehny, Charles O., assignor.)
- Kuehny, Charles O., Lakewood, assignor of one-fourth to W. Kuehny, one-fourth to A. Kuehny, and one-fourth to J. H. Jansen, Cleveland, Ohio. Reversible window-sash. No. 1,105,523; July 28; Gaz. vol. 204; p. 1285.
- Kuehny, Wendelin, *et al.* (See Kuehny, Charles O., assignor.)
- Kuenneth, George W., Paterson, N. J. Beaming mechanism for warping and beaming machines. No. 1,099,653; June 9; Gaz. vol. 203; p. 483.
- Kuentzel, Curt, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Wrapping and unwrapping machine. No. 1,101,555; June 30; Gaz. vol. 203; p. 1281.
- Kuentzel, Curt, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Machine for inserting wires in the rim-engaging portion of solid tires. No. 1,110,800; Sept. 15; Gaz. vol. 206; p. 769.
- Kuentzel, Curt, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Wrapping-machine. No. 1,113,447; Oct. 13; Gaz. vol. 207; p. 405.
- Kuepfer, Otto, assignor to Cleveland Axle Manufacturing Company, Canton, Ohio. Axle construction. No. 1,090,311; Mar. 17; Gaz. vol. 200; p. 652.
- Kuesera, Michael, New York, N. Y. Internal-combustion engine. No. 1,121,850; Dec. 22; Gaz. vol. 209; p. 1148.
- Kugel, Carl, Brunswick, Germany. Annealing-furnace. No. 1,118,869; Nov. 24; Gaz. vol. 208; p. 1304.
- Kugel, Joseph, Cincinnati, Ohio. Towel-wringer. No. 1,110,292; Sept. 8; Gaz. vol. 206; p. 550.
- Kügelgen, Franz von. (See Seward and Kügelgen.)
- Kügelgen, Franz von, Holcombs Rock, Va., and G. O. Seward, East Orange, N. J., assignors, by mesne assignments, to Columbia-Knickerbocker Trust Company, trustee. Detinning. No. 1,086,921; Feb. 10; Gaz. vol. 199; p. 514.
- Kügelgen, Franz von, F. von Bidder, Holcombs Rock, Va., and G. O. Seward, East Orange, N. J., assignors to Virginia Laboratory Company, New York, N. Y. Purifying electrolytes. No. 1,095,609; May 5; Gaz. vol. 202; p. 149.
- Kugler, Charles H., Cozad, Nebr. Spike-puller. No. 1,093,863; Apr. 21; Gaz. vol. 201; p. 668.
- Kugler, Friedrich, Frauenfeld, Switzerland. Book-sewing machine. No. 1,088,348; Feb. 24; Gaz. vol. 199; p. 1104.
- Kuhlmann, Frederick J. P., assignor to Economy Electric Manufacturing Company, San Francisco, Cal. Thermostat. No. 1,109,996; Sept. 8; Gaz. vol. 206; p. 445.
- Kuhn, Adam M., *et al.* (See Kuhn, Charles M., assignor.)
- Kühn, Charles, and G. Zahn, Rochester, N. Y. Spring-wheel. No. 1,101,082; June 23; Gaz. vol. 203; p. 1068.
- Kuhn, Charles M., assignor of one-third to A. M. Kuhn and J. E. Herman, Kearney, Nebr. Babbitting apparatus. No. 1,115,687; Nov. 3; Gaz. vol. 208; p. 76.
- Kuhn, Clarence A., Irvington, Ala. Nut-wrench. No. 1,120,508; Dec. 8; Gaz. vol. 209; p. 594.
- Kuhn, Edmond, and A. H. Fitzpatrick, East Orange, N. J. Picture-exhibiting machine. No. 1,100,892; June 23; Gaz. vol. 203; p. 1000.
- Kuhn, Frank. (See Hoffmann, William F., assignor.)
- Kuhn, Frank, Detroit, Mich. Electric heater. No. 1,087,592; Feb. 17; Gaz. vol. 199; p. 797.
- Kuhn, Frank, Detroit, Mich. Electrically-heated foot-warmer. No. 1,087,593; Feb. 17; Gaz. vol. 199; p. 797.
- Kuhn, Frank, Detroit, Mich. Electric heater. No. 1,087,594; Feb. 17; Gaz. vol. 199; p. 797.
- Kuhn, Frank, Detroit, Mich. Electric heater. No. 1,087,595; Feb. 17; Gaz. vol. 199; p. 798.
- Kuhn, Frank, Detroit, Mich. Electric heater. No. 1,096,928; May 19; Gaz. vol. 202; p. 677.
- Kuhn, Frank, Detroit, Mich. Electrically-heated sad-iron. No. 1,096,929; May 19; Gaz. vol. 202; p. 677.
- Kuhn, Frank, Detroit, Mich. Electrical plug-connector. No. 1,107,318; Aug. 18; Gaz. vol. 205; p. 696.
- Kuhn, Frank, Detroit, Mich. Electrically-heated radiator. No. 1,107,319; Aug. 18; Gaz. vol. 205; p. 696.
- Kuhn, Frank, Detroit, Mich. Electrical heating unit. No. 1,107,320; Aug. 18; Gaz. vol. 205; p. 697.
- Kuhn, Frank, Detroit, Mich. Electrically-heated hot-plate. No. 1,107,321; Aug. 18; Gaz. vol. 205; p. 697.
- Kuhn, Frank, Detroit, Mich. Electrical heater. No. 1,107,322; Aug. 18; Gaz. vol. 205; p. 698.
- Kuhn, Frank, Detroit, Mich. Storage-rack. No. 1,119,837; Dec. 8; Gaz. vol. 209; p. 358.
- Kuhn, Frank, Detroit, Mich. Electrical heating unit. No. 1,119,838; Dec. 8; Gaz. vol. 209; p. 358.
- Kuhn, Frank, Detroit, Mich. Electric-terminal box. No. 1,119,839; Dec. 8; Gaz. vol. 209; p. 358.
- Kuhn, Frank, Detroit, Mich. Electrical fluid-heater. No. 1,119,840; Dec. 8; Gaz. vol. 209; p. 359.
- Kuhn, Frank, Detroit, Mich. Electrical heater. No. 1,119,841; Dec. 8; Gaz. vol. 209; p. 359.
- Kuhn, Frank, assignor to American Electrical Heater Company, Detroit, Mich. Electrically-heated sad-iron. No. 1,096,926; May 19; Gaz. vol. 202; p. 676.
- Kuhn, Frank, assignor to American Electrical Heater Company, Detroit, Mich. Luminous electric heater. No. 1,096,927; May 19; Gaz. vol. 202; p. 676.
- Kuhn, Frank, and F. E. Shailor, assignors to American Electrical Heater Company, Detroit, Mich. Thermostat. No. 1,107,316; Aug. 18; Gaz. vol. 205; p. 696.
- Kuhn, Frank, and F. E. Shailor, Detroit, Mich.; said Shailor assignor to said Kuhn. Electric heater. No. 1,107,323; Aug. 18; Gaz. vol. 205; p. 698.
- Kuhn, Harry A., and W. W. Macfarren, Pittsburgh, Pa. Tunneling. No. 1,093,787; Apr. 21; Gaz. vol. 201; p. 641.
- Kuhn, Harry A., and W. W. Macfarren, Pittsburgh, Pa.; said Macfarren assignor to said Kuhn. Mining-machine. No. 1,107,239; Aug. 11; Gaz. vol. 205; p. 621.
- Kuhn, Henry. (See Thornton and Kuhn.)
- Kuhn, John F. (See Travers, Stephen A., assignor.)
- Kuhn, Louis V., Columbus, Ohio. Vending-machine. No. 1,085,741; Feb. 3; Gaz. vol. 199; p. 58.
- Kuhn, Paul, New York, N. Y. Artificial stone. No. 1,105,979; Aug. 4; Gaz. vol. 205; p. 137.
- Kuhn, Robert, Detroit, Mich. Circuit-opening switch for electric heaters. No. 1,087,596; Feb. 17; Gaz. vol. 199; p. 798.
- Kühn, Wilhelm, Frankfurt-on-the-Main, Germany. Piston-engine. No. 1,083,686; Jan. 6; Gaz. vol. 198; p. 141.
- Kühne, Martin, Portland, Oreg. Hollow concrete floor construction. No. 1,119,435; Dec. 1; Gaz. vol. 209; p. 185.
- Kuhner, Herman E., deceased, Oxford, Md.; R. L. Kuhner, executrix. Testing-machine. No. 1,107,619; Aug. 18; Gaz. vol. 205; p. 805.
- Kuhner, Herman E., deceased, Oxford, Md.; R. L. Kuhner, executrix. Crane. No. 1,116,713; Nov. 10; Gaz. vol. 208; p. 473.
- Kuhner, Rose L., executrix. (See Kuhner, Herman E.)
- Kuhns, Charles D., *et al.* (See Aiken, Thomas M., assignor.)
- Kuhns, James H., Tulsa, Okla. Wrench. No. 1,094,221; Apr. 21; Gaz. vol. 201; p. 788.
- Kuhns, James H., assignor of one-half to Oklahoma Iron Works, Tulsa, Okla. Wire-line clamp. No. 1,111,543; Sept. 22; Gaz. vol. 206; p. 1069.
- Kuhns, James H., assignor of one-half to J. E. Washington, Jr., Tulsa, Okla. Tongs. No. 1,115,215; Oct. 27; Gaz. vol. 207; p. 1121.
- Kuhrt, John W., Toledo, Ohio. Combination pattern-hanger and ticket-holder. No. 1,083,368; Jan. 6; Gaz. vol. 198; p. 36.
- Kühtz, Friedrich, Cannstatt-Stuttgart, Germany. Feed mechanism for bakers' ovens. No. 1,085,614; Feb. 3; Gaz. vol. 199; p. 12.
- Kühtz, Friedrich, Cannstatt-Stuttgart, Germany. Machine for dividing and forming dough or other plastic material. No. 1,101,857; June 30; Gaz. vol. 203; p. 1384.
- Kuivala, John A., San Francisco, Cal. Concrete building construction. No. 1,091,147; Mar. 24; Gaz. vol. 200; p. 971.
- Kukla, Joseph, assignor of one-half to J. Gondek, Buffalo, N. Y. Rail joint and chair. No. 1,114,369; Oct. 20; Gaz. vol. 207; p. 767.
- Kukosz, Ignacy, Carnegie, Pa. Parachute. No. 1,114,993; Oct. 27; Gaz. vol. 207; p. 1041.
- Kula, Charles, Bay City, Mich. Demountable-rim fastening for vehicle-wheels. No. 1,111,523; Sept. 22; Gaz. vol. 206; p. 1063.
- Kulhawy, Ferdinand, assignor of one-half to L. Michalski, Philadelphia, Pa. Life-boat. No. 1,106,718; Aug. 11; Gaz. vol. 205; p. 439.
- Kull, Alfred J., Far Hills, N. J. Trap-belt. No. 1,108,764; Aug. 25; Gaz. vol. 205; p. 1249.

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- Kulla, Michael J., Lorain, Ohio. Lubricator-valve mechanism. No. 1,087,023; Feb. 10; Gaz. vol. 199; p. 546.
- Küller, Max, Gross-Lichterfelde, near Berlin, Germany. Removable rim attachment for vehicle-wheels. No. 1,088,349; Feb. 24; Gaz. vol. 199; p. 1104.
- Küller, Max, Berlin-Lichterfelde, Germany. Removable-rim attachment for vehicle-wheels. No. 1,107,080; Aug. 11; Gaz. vol. 205; p. 563.
- Kumkumian, Simon. (See Downey and Kumkumian.)
- Kummerow, Ferdinand C., Chicago, Ill. Carpet-beater. No. 1,086,540; Feb. 10; Gaz. vol. 199; p. 380.
- Kump, Mathias, Brooklyn, N. Y. Show-case door. No. 1,091,670; Mar. 31; Gaz. vol. 200; p. 1190.
- Kumpf, August. (See Oechsle and Kumpf.)
- Kunberger, Albert F. (See O'Donnell and Kunberger.)
- Kund, Edward, Debreczen, Austria-Hungary. Driving device for agricultural machines. No. 1,083,935; Jan. 13; Gaz. vol. 198; p. 251.
- Kundert, Jacob H. (See Vogt and Kundert.)
- Kundis, Joseph, Youngstown, Ohio. Horseshoe. No. 1,107,620; Aug. 18; Gaz. vol. 205; p. 805.
- Kundtz, Theodor. (See Cogger, William B., assignor.)
- Kundtz, Theodor. (See Kormendy, Bela, assignor.)
- Kundtz, Theodor, Cleveland, Ohio. Door. No. 1,114,271; Oct. 20; Gaz. vol. 207; p. 734.
- Kune, William E. (See Metzger, Forster, and Kune.)
- Kunert, Felix. (See Winther, Laska, Zitscher, Kunert, and Acker.)
- Kunert, Felix. (See Zitscher, Kunert, and Acker.)
- Küng, Sigg & Cie. (See Stücker, Willy, assignor.)
- Kunihara, Junichi, New York, N. Y. Match attachment for cigarette or cigar boxes. No. 1,119,842; Dec. 8; Gaz. vol. 209; p. 359.
- Kunitz, Adolph, Lincoln, Nebr. Hat-cabinet. No. 1,083,621; Jan. 6; Gaz. vol. 198; p. 120.
- Kunitz, Hannibal A., assignor of one-half to W. T. Cahoon, Pittsburgh, Pa. Electrical display device. No. 1,108,190; Aug. 25; Gaz. vol. 205; p. 1051.
- Kunkel, Edward R. (See Kunkel, Joseph S. and E. R.)
- Kunkel, Fred R., Edgewood Park, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dynamo-electric machine. No. 1,115,440; Oct. 27; Gaz. vol. 207; p. 1195.
- Kunkel, Jacob, Brookville, Ind. Spring-wheel. No. 1,101,293; June 23; Gaz. vol. 203; p. 1140.
- Kunkel, Joseph S. and E. R., Cincinnati, Ohio. Receptacle. No. 1,090,725; Mar. 17; Gaz. vol. 200; p. 793.
- Kunkle, John L., McCoyville, Pa. Stool. No. 1,120,509; Dec. 8; Gaz. vol. 209; p. 594.
- Kuntz, Frank A., New York, N. Y. Temperature-regulator. No. 1,104,680; July 21; Gaz. vol. 204; p. 940.
- Kuntz, George T. (See Kuntz, Harry B. and G. T.)
- Kuntz, Harry B. and G. T., Port Townsend, Wash. Wrench. No. 1,094,446; Apr. 28; Gaz. vol. 201; p. 922.
- Küntzler, Henry. (See Hunter and Küntzler.)
- Kunz, Charles A., Dubuque, Iowa. Valved coupling. No. 1,115,945; Nov. 3; Gaz. vol. 208; p. 163.
- Kunz, Roland D., Sandusky, Ohio. Sanitary spoon. No. 1,111,910; Sept. 29; Gaz. vol. 206; p. 1237.
- Kunze, George F., assignor of one-half to S. A. Wooldrik, Sleepy Eye, Minn. Wrench. No. 1,110,445; Sept. 15; Gaz. vol. 206; p. 645.
- Kunzelman, John R., Duluth, Minn. Auxiliary step for car-platforms. No. 1,089,481; Mar. 10; Gaz. vol. 200; p. 324.
- Künzi, Karl, Schaffhausen, Switzerland. Machine for folding cloth. No. 1,097,649; May 26; Gaz. vol. 202; p. 972.
- Kupferle, Edward, St. Louis, Mo. Measuring-pump. No. 1,092,491; Apr. 7; Gaz. vol. 201; p. 128.
- Kuppertz, Joseph. (See Waye, August A., assignor.)
- Kurowski, Alfred G. F., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,090,219; Mar. 17; Gaz. vol. 200; p. 620.
- Kurowski, Alfred G. F., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,090,480; Mar. 17; Gaz. vol. 200; p. 713.
- Kurowski, Alfred G. F., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,106,950; Aug. 11; Gaz. vol. 205; p. 521.
- Kurowski, Alfred G. F., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,117,405; Nov. 17; Gaz. vol. 208; p. 755.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,121,638; Dec. 22; Gaz. vol. 209; p. 1073.
- Kurth, Louis H. (See Everett and Kurth.)
- Kürth, Alfred, assignor to Automatische Wagenfenster Gesellschaft mit Beschränkter Haftung, Berlin, Germany. Arrangement for moving and holding car-windows. No. 1,084,862; Jan. 20; Gaz. vol. 198; p. 593.
- Kurtz, Daniel E., assignor to Spiegel, May, Stern Company, Chicago, Ill. Cabinet-drawer. No. 1,092,270; Apr. 7; Gaz. vol. 201; p. 50.
- Kurtz, Samuel E., Odebolt, Iowa. Automatic governing-valve. No. 1,105,280; July 28; Gaz. vol. 204; p. 1197.
- Kurtze, Charles F. R., and W. Gillard, Stratford, Ontario, Canada. Cement-tile-making machine. No. 1,116,080; Nov. 3; Gaz. vol. 208; p. 209.
- Kurtzhals, Henry G., Somerset, Pa. Automatic block system. No. 1,096,729; May 12; Gaz. vol. 202; p. 564.
- Kurtzner, Hugo, assignor to The Kurtzner Radiator Company, Cleveland, Ohio. Radiator-section. No. 1,086,061; Feb. 3; Gaz. vol. 199; p. 173.
- Kurtzner Radiator Company, The. (See Kurtzner, Hugo, assignor.)
- Kurtzon, George B., and R. J. Fahle, assignors to Garden City Plating & Manufacturing Company, Chicago, Ill. Mounting for sliding doors. No. 1,120,063; Dec. 8; Gaz. vol. 209; p. 436.
- Kurz, August W., New York, N. Y. Vault-head. No. 1,087,243; Feb. 17; Gaz. vol. 199; p. 676.
- Kurz, August W., New York, N. Y. Vault-head. No. 1,092,921; Apr. 14; Gaz. vol. 201; p. 309.
- Kurz, August W., New York, N. Y., assignor, by mesne assignments, to Almaga Ventilation, Inc. Window-ventilator. No. 1,119,288; Dec. 1; Gaz. vol. 209; p. 133.
- Kurz, Robert, Leavenworth, Kans. Spark-arrester. No. 1,101,556; June 30; Gaz. vol. 203; p. 1281.
- Kurze, Wilhelm, Wilhelmshütte, Neustadt-on-the-Rübenberge, Germany. Molding-box. No. 1,094,447; Apr. 28; Gaz. vol. 201; p. 922.
- Kusamura, Ryokuwan, Kings county, Cal. Motor-boat. No. 1,091,355; Mar. 24; Gaz. vol. 200; p. 1039.
- Kuschewitz, Paul. (See Moll and Kuschewitz.)
- Kush, Gustave, New York, N. Y. Making rubber printing-press blankets. No. 1,096,112; May 12; Gaz. vol. 202; p. 355.
- Kush, John, Jr., San Antonio, Tex. Safety railway appliance. No. 1,098,270; May 26; Gaz. vol. 202; p. 1191.
- Kushlan, Max, Boston, Mass. Motor-starter for rectifier systems. No. 1,092,724; Apr. 7; Gaz. vol. 201; p. 206.
- Kussman, John H., Abbotsford, British Columbia, Canada. Rail-tie. No. 1,099,060; June 2; Gaz. vol. 203; p. 236.
- Kusterer, Carl C., Grand Rapids, Mich. Concealed hinge for coach-doors. No. 1,083,622; Jan. 6; Gaz. vol. 198; p. 120.
- Kusterer, Carl C., assignor to Keeler Brass Company, Grand Rapids, Mich. Foot-rest. No. 1,104,360; July 21; Gaz. vol. 204; p. 829.
- Kutscher, William H., assignor to L. C. Walter, Bloomington, Ill. Combined starting and gasoline-saving device for explosive-engines. No. 1,099,504; June 9; Gaz. vol. 203; p. 432.
- Küttner, Hugo, Pirna, Germany. Bobbin for use in connection with the manufacture of artificial silk. No. 1,090,399; Mar. 17; Gaz. vol. 200; p. 683.
- Kutzbach, Karl, Dresden, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Two-cycle engine. No. 1,114,272; Oct. 20; Gaz. vol. 207; p. 734.
- Kuwayama, Senzo. (See Miyata and Kuwayama.)
- Kuxmann, Heinrich, and G. Schneider, Bielefeld, Germany. Automatic cattle-feeding apparatus. No. 1,112,918; Oct. 6; Gaz. vol. 207; p. 176.
- Kuzel, Hans, Baden, near Vienna, Austria-Hungary, and E. Wedekind, Strassburg, Germany, assignors to General Electric Company. Metallurgical method. No. 1,088,909; Mar. 3; Gaz. vol. 200; p. 80.
- Kvam, Sigvart, Minneapolis, assignor of one-half to J. E. Hawkinson, Parkers Prairie, Minn. Whipping device. No. 1,108,587; Aug. 25; Gaz. vol. 205; p. 1191.
- Kwiatkowski, Alexander, Middletown, Conn. Fire-escape. No. 1,113,651; Oct. 13; Gaz. vol. 207; p. 474.
- Kyker, John M., et al. (See Kaylor, William, assignor.)
- Kyle Bottle Washing Machine Company. (See Keplinger, George B., assignor.)
- Kyle, Frederick, Milton, Ore. Tilting bin. No. 1,112,296; Sept. 29; Gaz. vol. 206; p. 1366.
- Kyle, Ira W., Mankato, Kans. Mold. No. 1,108,504; Aug. 25; Gaz. vol. 205; p. 1161.
- Kyle, James W., Memphis, Tenn. Pencil-holder. No. 1,101,456; June 23; Gaz. vol. 203; p. 1194.
- Kyle, Joseph W., Chicago, Ill. Collapsible crib. No. 1,122,284; Dec. 29; Gaz. vol. 209; p. 1336.
- Kyle, Morison, Calgary, Alberta, Canada. Advertising device for curtains. No. 1,120,723; Dec. 15; Gaz. vol. 209; p. 718.
- Kyllo, Olaf, Portland, Ore. Clothes-drier. No. 1,113,169; Oct. 6; Gaz. vol. 207; p. 262.
- Kyllonen, William, Oakes, N. D. Trace-attaching device. No. 1,105,331; July 28; Gaz. vol. 204; p. 1217.
- Kyne, Thomas J., Louisville, Ky. Safety-valve. No. 1,089,565; Mar. 10; Gaz. vol. 200; p. 353.
- Kyriakides, Lucas P. (See Earle and Kyriakides.)
- Kyriakides, Lucas P., Boston, Mass., assignor to Hood Rubber Company. Producing isoprene. No. 1,094,223; Apr. 21; Gaz. vol. 201; p. 789.
- Kyriakides, Lucas P., and R. B. Earle, assignors to Hood Rubber Company, Boston, Mass. Producing isoprene. No. 1,094,222; Apr. 21; Gaz. vol. 201; p. 788.
- Kyriakides, Lucas P., and R. B. Earle, Cambridge, Mass., assignors to Hood Rubber Company. Producing 1,3 diols. No. 1,094,224; Apr. 21; Gaz. vol. 201; p. 789.
- Kytlica, John F., Chicago, Ill. Packing-ring. No. 1,106,462; Aug. 11; Gaz. vol. 205; p. 348.

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- L. Wolff Manufacturing Company. (See Clifford, John, assignor.)
- L. A. Thompson Scenic Railway Company, The. (See Thompson, La Marcus A., assignor.)
- L. and B. Grease Cup Company. (See Lewis, John F., assignor.)
- L. C. Smith & Bros. Typewriter Company. (See De Haven, John W., assignor.)
- L. C. Smith & Bros. Typewriter Company. (See Gabrielson, Carl, assignor.)
- L. E. Knott Apparatus Company. (See Keith and Cate, assignors.)
- L. G. McKnight & Son Co. (See McKnight, Levi G., assignor.)
- L. & M. Wool Cleaning Company. (See Milson, John R., assignor.)
- L-M-S Motor Co. (See Mueller and Schuler, assignors.)
- L. P. Hardy Printing Company. (See Hardy, Lawrence P., assignor.)
- L. Q. White Shoe Company. (See White, Hart, and O'Donnell, assignors.)
- L. S. Starrett Company, The. (See Starrett, Laroy S., assignor.)
- L'Hommedieu, George A., Atlantic City, N. J. Bath-tub attachment. No. 1,104,430; July 21; Gaz. vol. 204; p. 853.
- La Batt, Homer C., assignor to W. J. Herrick, Chicago, Ill. Sheet-feeding machine. No. 1,087,244; Feb. 17; Gaz. vol. 199; p. 676.
- La Batt, Homer C., assignor to W. J. Herrick, Chicago, Ill. Registering device for sheet-feeding machines. No. 1,087,245; Feb. 17; Gaz. vol. 199; p. 677.
- La Batt, Homer C., assignor to W. J. Herrick, Chicago, Ill. Tripping device for printing-press cylinders. No. 1,087,246; Feb. 17; Gaz. vol. 196; p. 677.
- La Batt, Homer C., assignor to W. J. Herrick, Chicago, Ill. Sheet-feeding machine. No. 1,092,271; Apr. 7; Gaz. vol. 201; p. 51.
- La Batt, Homer C., Chicago, Ill., assignor to W. J. Herrick. Sheet-feeding machine. No. 1,092,272; Apr. 7; Gaz. vol. 201; p. 51.
- La Belle, Frank, Seattle, Wash. Belt-splice. No. 1,083,544; Jan. 6; Gaz. vol. 198; p. 95.
- La Casse, Henry, Los Angeles, Cal. Manicuring device. No. 1,085,569; Jan. 27; Gaz. vol. 198; p. 867.
- La Chapelle, Euclid I., Beverly, Mass. Lasting-machine. No. 1,085,385; Jan. 27; Gaz. vol. 198; p. 809.
- La Chapelle, Euclid I., Beverly, Mass. Lasting-machine. No. 1,090,547; Mar. 17; Gaz. vol. 200; p. 735.
- La Chapelle, Euclid I., Beverly, Mass. Lasting-machine. No. 1,090,548; Mar. 17; Gaz. vol. 200; p. 736.
- La Crosse Plow Co. (See Bozard, Harrison B., assignor.)
- La Crosse Plow Co. (See Davis, Frank E., assignor.)
- La Crosse Plow Company. (See Biebinger, David A., assignor.)
- La Crosse Plow Company. (See Cameron, William W., assignor.)
- La Dow, Jesse E., assignor of one-half to F. C. Badgley, Jackson, Mich. Side curtain for vehicle-tops. No. 1,098,451; June 2; Gaz. vol. 203; p. 33.
- La Fary, Walter, Herndon, assignor of one-half to L. M. Swindler, Yale, Iowa. Coupling. No. 1,090,922; Mar. 24; Gaz. vol. 200; p. 892.
- La Fayette, Thomas. (See Post and La Fayette.)
- La Fever, Harry, Detroit, Mich. Automatic damper. No. 1,100,381; June 16; Gaz. vol. 203; p. 772.
- La Force, Burdette D., Ottumwa, Iowa. Hemostatic tonsillotome. No. 1,097,132; May 19; Gaz. vol. 202; p. 749.
- La Frenier, John, Walker, Minn. Snare-trap. No. 1,091,923; Mar. 31; Gaz. vol. 200; p. 1280.
- La Hatte, Albert S., Galveston, Tex. Tire-protector. No. 1,113,448; Oct. 13; Gaz. vol. 207; p. 405.
- La Mar, James, and H. Haralson, Kilbourn, Wis. Combined milk-pail and milking-stool. No. 1,101,941; June 30; Gaz. vol. 203; p. 1415.
- La Marsh, Oliver, Wheatley, Ontario, Canada. Window-sash fastener. No. 1,116,300; Nov. 3; Gaz. vol. 208; p. 283.
- La Masters, William B., San Marcial, N. Mex. Combined folding ironing-board and step-ladder. No. 1,101,294; June 23; Gaz. vol. 203; p. 1140.
- La Pearl, James H., Los Angeles, Cal. Changeable prismatic sign. No. 1,112,921; Oct. 6; Gaz. vol. 207; p. 177.
- La Porte, Robert M., Baltimore, Md. Pressure-regulator. No. 1,118,293; Nov. 24; Gaz. vol. 208; p. 1104.
- La Rue, George W., Kansas City, Mo. Gas-heated sad-iron. No. 1,093,440; Apr. 14; Gaz. vol. 201; p. 485.
- La Rue, Henry, Hyannis, Nebr. Threshing-cylinder. No. 1,111,262; Sept. 22; Gaz. vol. 206; p. 973.
- La Salle Company, The. (See Sinner, Emil, assignor.) (Reissue.)
- La Société Générale Française des Caissees Payeuses et de Contrôle Système Janik. (See Janik, Edouard, assignor.)
- La Société Houdaille et Sabot. (See Houdaille, Maurice, assignor.)
- La Société Huilerie et Savonnerie de Lurian. (See Félizat, Louis, assignor.)
- La Societe Montupet & Cie. (See Montupet, Léon, assignor.)
- La Sor, Herbert G., New Haven Conn. Grease-gun. No. 1,101,638; June 30; Gaz. vol. 203; p. 1310.
- La Sor, Herbert G., assignor to The Fuller Manufacturing Company, New Haven, Conn. Registering device. No. 1,085,345; Jan. 27; Gaz. vol. 198; p. 795.
- La Vanway, William W., Los Angeles, Cal. Folding bed. No. 1,105,203; July 28; Gaz. vol. 204; p. 1170.
- La Vercombe, Harley H. (See Gudmand-Hoyer, Julius V., assignor.)
- La Vercombe, Harley H. (See Nicolaysen and La Vercombe.)
- La Vigne, Louis B. (See Walsh and La Vigne.)
- La Vine, Edward, Brussels, Belgium. Hygienic sugar-bowl. No. 1,105,803; Aug. 4; Gaz. vol. 205; p. 75.
- Laarmann, Fritz, Dresden, Germany. Manufacturing an elastic foam from volatile solutions. No. 1,089,482; Mar. 10; Gaz. vol. 200; p. 324.
- Laas, Edward, Shawnee, Okla., and H. H. Sponenburg, Gurnee, Ill., assignors to Laas & Sponenburg Co. Tie-plate. No. 1,096,308; May 12; Gaz. vol. 202; p. 423.
- Laas & Sponenburg Co. (See Laas and Sponenburg, assignors.)
- Labadie, Harry H. (See Schweitzer and Labadie.)
- Labadie, Harry H., administrator. (See Schweitzer and Labadie.)
- Labady, Charles E., assignor of one-third to A. Hanson, Michigan City, Ind. Body-catcher. No. 1,088,826; Mar. 3; Gaz. vol. 200; p. 52.
- Labbé, Leon L. T., Asnieres, France. Manufacture of celluloid or like substitutes. No. 1,112,297; Sept. 29; Gaz. vol. 206; p. 1366.
- Labeledzki, Stanistaw, Philadelphia, Pa. Adjustable serving-table and book-rest. No. 1,117,062; Nov. 10; Gaz. vol. 208; p. 595.
- Labeledzki, Stanistaw, Philadelphia, Pa. Hot-water heater. No. 1,118,656; Nov. 24; Gaz. vol. 208; p. 1233.
- Labombarde, Elie W., Nashua, N. H. Paper box and blank therefor. No. 1,093,705; Apr. 21; Gaz. vol. 201; p. 617.
- Labombarde, Elie W., Nashua, N. H. Box-folding machine. No. 1,096,633; May 12; Gaz. vol. 202; p. 532.
- Labombarde, Elie W., Nashua, N. H. Combination feed for sheet material. No. 1,112,811; Oct. 6; Gaz. vol. 207; p. 140.
- Labombarde, Elie W., Nashua, N. H. Gluer for tray-box machines. No. 1,112,812; Oct. 6; Gaz. vol. 207; p. 141.
- Labombarde, Elie W., Nashua, N. H. Blank feeding and preparing machine. No. 1,119,289; Dec. 1; Gaz. vol. 209; p. 134.
- Laborda, Richard, San Francisco, Cal. Foot-operated elevator. No. 1,091,935; Mar. 31; Gaz. vol. 200; p. 1283.
- Laborda, Richard, San Francisco, Cal. Foot-operated elevator. No. 1,104,199; July 21; Gaz. vol. 204; p. 773.
- Laborda, Richard, assignor of one-half to P. Cuellas, San Francisco, Cal. Foot-operated elevator. No. 1,110,499; Sept. 15; Gaz. vol. 206; p. 664.
- Laborda, Richard, assignor of one-half to P. Cuellas, San Francisco, Cal. Climbing device. No. 1,110,566; Sept. 15; Gaz. vol. 206; p. 686.
- Labouisse, Peter R., et al. (See McFarland, Walter A., assignor.)
- Labrèche, Joseph C. A., Edmonton, Alberta, Canada. Cigar-cutting tool. No. 1,109,073; Sept. 1; Gaz. vol. 206; p. 77.
- Lacene Manufacturing Company. (See Lapham, Paul J., assignor.)
- Lacene Manufacturing Company. (See Nichols, Elmer P., assignor.)
- Lacey, Fred, Lowell, assignor to Draper Company, Hopedale, Mass. Whip-roll-controlling means. No. 1,118,430; Nov. 24; Gaz. vol. 208; p. 1155.
- Lacey, J. E., et al. (See Samuels, John, assignor.)
- Lacey, T. W. (See Graves, John, assignor.)
- Lach, Bela, Vienna, Austria-Hungary. Treatment of oils. No. 1,104,906; July 28; Gaz. vol. 204; p. 1068.
- Lachance & Co., Philippe. (See Roberge, Raoul, assignor.)
- Lachance, Joseph, Beauceville, Quebec, assignor of one-half to J. A. Bilodeau, Montreal, Canada. Nut-lock. No. 1,114,774; Oct. 27; Gaz. vol. 207; p. 963.
- Lachman, Laurence S. (See Lachman, Maurice and L. S.) (Reissue.)
- Lachman, Laurence S., New York, N. Y. Sash or frame construction. No. 1,100,247; June 16; Gaz. vol. 203; p. 725.
- Lachman, Laurence S., New York, N. Y. Stretching sheet material. No. 1,106,516; Aug. 11; Gaz. vol. 205; p. 369.
- Lachman, Laurence S., assignor to Universal Electric Welding Company, New York, N. Y. Electric welding. No. 1,085,089; Jan. 20; Gaz. vol. 198; p. 669.
- Lachman, Laurence S., assignor to Universal Electric Welding Company, New York, N. Y. Roller for casters. No. 1,085,090; Jan. 20; Gaz. vol. 198; p. 669.
- Lachman, Laurence S., assignor to Universal Electric Welding Company, New York, N. Y. Corrugated welding-strip. No. 1,094,910; Apr. 28; Gaz. vol. 201; p. 1085.

Alphabetical list of patentees—Continued.

- Lachman, Laurence S., New York, assignor to Universal Electric Welding Company, Long Island City, N. Y. Joining metal. No. 1,101,858; June 30; Gaz. vol. 203; p. 1385.
- Lachman, Laurence S., assignor to Universal Electric Welding Company, New York, N. Y. Welded tubing. No. 1,108,191; Aug. 25; Gaz. vol. 205; p. 1051.
- Lachman, Laurence S., assignor to Universal Electric Welding Company, New York, N. Y. Composite metal-work. No. 1,111,393; Sept. 22; Gaz. vol. 206; p. 1018.
- Lachman, Laurence S., assignor to Universal Electric Welding Company, New York, N. Y. Metal article. No. 1,119,290; Dec. 1; Gaz. vol. 209; p. 134.
- Lachman Manufacturing Company. (See Gill, Lewis W., assignor.)
- Lachman Manufacturing Company. (See Lachman, Maurice, assignor.)
- Lachman, Maurice, New York, N. Y. Construction of sheet-metal doors. No. 1,109,233; Sept. 1; Gaz. vol. 206; p. 134.
- Lachman, Maurice, assignor to Universal Electric Welding Company, New York, N. Y. Metallic structure. No. 1,090,312; Mar. 17; Gaz. vol. 200; p. 653.
- Lachman, Maurice, New York, assignor to Universal Electric Welding Company, Long Island City, N. Y. Reel. No. 1,103,519; July 14; Gaz. vol. 204; p. 495.
- Lachman, Maurice, assignor to Lachman Manufacturing Company, New York, N. Y. Keg. No. 1,112,298; Sept. 29; Gaz. vol. 206; p. 1366.
- Lachman, Maurice and L. S., New York, N. Y. Metallic structure. (Reissue.) No. 13,712; Apr. 7; Gaz. vol. 201; p. 238.
- Laciny, Leopold W., Belleville, Ill., assignor to M. H. Foundry and Manufacturing Co. Drinking-fountain. No. 1,116,298; Nov. 3; Gaz. vol. 208; p. 282.
- Lack, Finis E. (See Wright, William C., assignor.)
- Lackawanna Steel Company. (See Conkling, Cloud C., assignor.)
- Lackawanna Steel Company. (See Mathias, Thomas H., assignor.)
- Lackey, George E., assignor to International Lace Company, New York, N. Y. Curtain. (Reissue.) No. 13,811; Oct. 20; Gaz. vol. 207; p. 889.
- Lackey, Robert A., Oak Park, Ill. Window-operating mechanism. No. 1,112,072; Sept. 29; Gaz. vol. 206; p. 1288.
- Lackey, Robert A., Oak Park, Ill. Window-operating mechanism. No. 1,112,073; Sept. 29; Gaz. vol. 206; p. 1288.
- Lackner, Francis, *et al.* (See Vail and Smith, assignors.)
- Lacky, L. I. (See Hughes, Clement L., assignor.)
- Laclair, Edmund J., Providence, R. I. Automatic safety device. No. 1,116,445; Nov. 10; Gaz. vol. 208; p. 374.
- Laclede-Christy Clay Products Company. (See Rosborough, John, assignor.)
- Laclede-Christy Clay Products Company. (See Miller, Robert H., assignor.)
- Lacroix, Joseph, Fall River, Mass. Securing vegetable fiber. No. 1,111,027; Sept. 22; Gaz. vol. 206; p. 892.
- Lacroix, Joseph D. (See Switzer and Lacroix.)
- Lacroix, Joseph D., New Orleans, La., assignor to E. H. Davis, New York, N. Y. Cigar-making machine. No. 1,088,827; Mar. 3; Gaz. vol. 200; p. 53.
- Lacrotte, Nazaire, Paris, France. Safety device for aeroplanes. No. 1,104,429; July 21; Gaz. vol. 204; p. 852.
- Lacrotte, Nazaire, Paris, France. Pneumatic suit for aviators. No. 1,105,569; July 28; Gaz. vol. 204; p. 1300.
- Lacy, Benjamin B., Houston, Tex., assignor to H. E. Elrod. Carbon-holder for electric-arc lamps. No. 1,090,726; Mar. 17; Gaz. vol. 200; p. 793.
- Lacy, Burritt S., Perth Amboy, N. J., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Manufacturing methyl chlorid. No. 1,111,842; Sept. 29; Gaz. vol. 206; p. 1212.
- Ladavière, Gabriel, assignor to Société Louis Vinson & Cie., St.-Etienne, Loire, France. Waistband for skirts. No. 1,100,186; June 16; Gaz. vol. 203; p. 705.
- Ladd, Charles C. (See Krause, Albert F., assignor.)
- Ladd, James B., Ardmore, and D. Baker, Haverford, Pa. Pig-breaking machine. No. 1,112,146; Sept. 29; Gaz. vol. 206; p. 1313.
- Ladd, Louis E., Providence, R. I., assignor to Potter & Buffington Company. Setting. No. 1,114,370; Oct. 20; Gaz. vol. 207; p. 767.
- Lade, Martin W. A., Pender, Nebr. Vegetable-cutter. No. 1,095,001; Apr. 28; Gaz. vol. 201; p. 1118.
- Lademan, Otto T., assignor to Morse Code Signal Company, Milwaukee, Wis. Selective signaling system. No. 1,120,207; Dec. 8; Gaz. vol. 209; p. 488.
- Lademan, Otto T., assignor to Morse Code Signal Company, Milwaukee, Wis. Selective signaling system. No. 1,121,562; Dec. 15; Gaz. vol. 209; p. 1010.
- Laden, B. L., *et al.* (See Laden, Joe G., assignor.)
- Laden, Joe G., assignor of one-fourth to J. W. De Witt, one-fourth to B. L. Laden, and one-fourth to H. B. Drake, Idabel, Okla. Bed. No. 1,108,515; Aug. 25; Gaz. vol. 205; p. 1165.
- Ladoff, Isador, Cleveland, Ohio, assignor, by mesne assignments, of thirty one-hundredths to W. D. Edmonds, Booneville, N. Y. Arc-light electrode. No. 1,112,458; Oct. 6; Gaz. vol. 207; p. 15.
- Laffond, Antoine, Marignac-Lasclares, near Le Fousseret, France. Bicycle propelling mechanism. No. 1,089,483; Mar. 10; Gaz. vol. 200; p. 325.
- Lafkowitz, Harris, assignor to Gash & Lafkowitz, Newark, N. J. Apparatus for carbonating liquids. No. 1,119,615; Dec. 1; Gaz. vol. 209; p. 247.
- Lafin, Stephen C., assignor to American Optical Company, Southbridge, Mass. Spectacles and eyeglasses. No. 1,097,337; May 19; Gaz. vol. 202; p. 822.
- Lafin, Stephen C., assignor to American Optical Company, Southbridge, Mass. Spectacles. No. 1,098,911; June 2; Gaz. vol. 203; p. 189.
- Lafore, John A., Cynwyd, Pa. Mothproof chest. No. 1,092,059; Mar. 31; Gaz. vol. 200; p. 1323.
- Laframboise, Romain, Rock, Mich. Car-stake holder. No. 1,115,688; Nov. 3; Gaz. vol. 208; p. 76.
- Lafrance, Joseph, Montreal, Quebec, Canada. Adjustable boiler-stand. No. 1,086,375; Feb. 10; Gaz. vol. 199; p. 323.
- Lafrance, Joseph, Montreal, Quebec, Canada. Bowl connection. No. 1,117,406; Nov. 17; Gaz. vol. 208; p. 755.
- Lagelbaner, Mathias. (See Hellwig and Lagelbaner.)
- Lagemann, Arthur F. (See Neller and Lagemann.)
- Lager, Dave O., Helena, Mont. Moisture-supplying device for incubators. No. 1,118,783; Nov. 24; Gaz. vol. 208; p. 1275.
- Lagergren, Gustav M., New London, Conn., assignor to Electric Boat Company. Submersible boat. No. 1,108,192; Aug. 25; Gaz. vol. 205; p. 1051.
- Lagerman, Alexander, Tomteberget, Lerum, and V. Landqvist, assignors to Aktiebolaget Princeps, Gottenborg, Sweden. Automatic-platen printing-press. No. 1,097,240; May 19; Gaz. vol. 202; p. 787.
- Lagerman, Alexander, Jr., Lerum, and V. N. Landqvist, Gottenborg, assignors to Aktiebolaget Princeps, Stockholm, Sweden. Platen printing-press and the like. No. 1,099,553; June 9; Gaz. vol. 203; p. 450.
- Lagerman, Alexander, Jr., Lerum, and G. H. Lindström, Gottenborg, assignors to Aktiebolaget Princeps, Stockholm, Sweden. Paper-feeding device for automatic platen printing-presses and the like. No. 1,099,552; June 9; Gaz. vol. 203; p. 450.
- Lagonda Manufacturing Company, The. (See Hauer, Elmer E., assignor.)
- Lagonda Manufacturing Company, The. (See Overly, Charles F., assignor.)
- Lahan, Edward J., Quincy, Ill. Spring-hub. No. 1,111,473; Sept. 22; Gaz. vol. 206; p. 1045.
- Lahiere, Eugene A., Washington, D. C. Toy. No. 1,108,913; Sept. 1; Gaz. vol. 206; p. 18.
- Lahière, Eugene A., Washington, D. C. Meat-chopper. No. 1,110,946; Sept. 15; Gaz. vol. 206; p. 821.
- Laick, Valentine, Tyre, Pa. Cuspidor. No. 1,111,544; Sept. 22; Gaz. vol. 206; p. 1069.
- Laidlaw, James A., Sacramento, Cal. Car-door-operating mechanism. No. 1,093,273; Apr. 14; Gaz. vol. 201; p. 430.
- Lailer, Arthur C., South Portland, Me. Bottle-holder. No. 1,086,541; Feb. 10; Gaz. vol. 199; p. 380.
- Laine, Walter R., assignor of one-third to A. R. Merriman, Los Angeles, Cal. Rotary negative-developing machine for photographers. No. 1,113,564; Oct. 13; Gaz. vol. 207; p. 446.
- Laing, Andrew, Newcastle-upon-Tyne, England. System of burning liquid fuel. No. 1,109,342; Sept. 1; Gaz. vol. 206; p. 173.
- Laing, John E., Kansas City, Mo. Comb. No. 1,108,375; Aug. 25; Gaz. vol. 205; p. 1116.
- Laird, Moses M. (See Laws, McElwain, and Laird.)
- Laird, Robert E., and J. H. Raney, Taft, Cal. Treating petroleum emulsions. No. 1,116,299; Nov. 3; Gaz. vol. 208; p. 282.
- Laist, Frederick, *et al.* (See Garred, Ulysses A., assignor.)
- Laist, Frederick. (See Mathewson and Laist.)
- Laist, Frederick, Anaconda, Mont. Ore-cooler. No. 1,090,549; Mar. 17; Gaz. vol. 200; p. 736.
- Laist, Frederick, Anaconda, Mont. Reducing cuprous chlorid. No. 1,104,907; July 28; Gaz. vol. 204; p. 1069.
- Laist, Frederick, Anaconda, Mont. Roasting-furnace. No. 1,114,371; Oct. 20; Gaz. vol. 207; p. 768.
- Laist, Frederick, Anaconda, Mont. Roasting ores. No. 1,114,372; Oct. 20; Gaz. vol. 207; p. 768.
- Laist, Frederick, Anaconda, Mont. Leaching-solution-heating system. No. 1,115,689; Nov. 3; Gaz. vol. 208; p. 77.
- Lake, Benjamin D., and N. G. Marks, assignors of one-fourth to J. G. Harris and one-fourth to J. C. Stone, Springfield, Ky. Motor-vehicle headlight. No. 1,107,081; Aug. 11; Gaz. vol. 205; p. 564.
- Lake, Calbraith B. (See Shipman, James L., assignor.)
- Lake, Eugene, Cooperstown, N. Y. Ice-harvesting machine. No. 1,102,277; July 7; Gaz. vol. 204; p. 20.
- Lake, George L., Chilhowee, Mo. Animal-smoker. No. 1,117,063; Nov. 10; Gaz. vol. 208; p. 595.
- Lake, George W., assignor to Metacomet Corporation, Rumford, R. I. Water-chamber for water-heating apparatus. No. 1,115,076; Oct. 27; Gaz. vol. 207; p. 1071.
- Lake, George W., assignor to Metacomet Corporation, Rumford, R. I. Portable water-heater. No. 1,121,260; Dec. 15; Gaz. vol. 209; p. 906.

Alphabetical list of patentees—Continued.

- Lake, Golladay, Cleveland, Ohio. Thill-coupling. No. 1,112,423; Sept. 29; Gaz. vol. 206; p. 1412.
- Lake, Sidney S., San Jose, Cal. Hanging for flexible structures. No. 1,090,993; Mar. 24; Gaz. vol. 200; p. 917.
- Lake, Simon, Milford, Conn. Internal-combustion engine. No. 1,095,002; Apr. 28; Gaz. vol. 201; p. 1118.
- Lake, Simon, Milford, Conn. Internal-combustion engine. No. 1,096,730; May 12; Gaz. vol. 202; p. 564.
- Lake, Simon, Milford, Conn. Submarine dredging apparatus. No. 1,097,722; May 26; Gaz. vol. 202; p. 998.
- Lake, Simon, Milford, Conn. Battery. No. 1,106,719; Aug. 11; Gaz. vol. 205; p. 440.
- Lake, Simon, Milford, Conn. Apparatus for launching life-boats from decks of ships. No. 1,118,499; Nov. 24; Gaz. vol. 208; p. 1179.
- Lake, Simon, Milford, Conn. Dredging-bucket. No. 1,122,769; Dec. 29; Gaz. vol. 209; p. 1502.
- Lake, Simon, Milford, Conn. Fuel-injector for internal-combustion engines. No. 1,122,770; Dec. 29; Gaz. vol. 209; p. 1503.
- Lake, Simon, Milford, assignor to Lake Torpedo Boat Company, Bridgeport, Conn. Fitting submarine signaling apparatus in vessels. No. 1,083,448; Jan. 6; Gaz. vol. 197; p. 64.
- Lake Torpedo Boat Company. (See Lake, Simon, assignor.)
- Lake, Warner G., Plaza, Wash. Game apparatus. No. 1,115,441; Oct. 27; Gaz. vol. 207; p. 1195.
- Lake, Wilnot, assignor of one-third to A. Harveycutter and one-third to H. A. Wrenn, Washington, D. C. Baseball game-board. No. 1,112,919; Oct. 6; Gaz. vol. 207; p. 177.
- Lakey, William R., Denton, Tex. Milling-machine. No. 1,085,921; Feb. 3; Gaz. vol. 199; p. 120.
- Lakey, William R., Denton, Tex. Milling-machine. No. 1,085,922; Feb. 3; Gaz. vol. 199; p. 121.
- Lakoff, Henry M., Philadelphia, Pa. Spring-tire. No. 1,101,702; June 30; Gaz. vol. 203; p. 1331.
- Lalli, John, assignor of one-half to L. Finocchi, Newark, N. J. Non-refillable bottle. No. 1,118,206; Nov. 24; Gaz. vol. 208; p. 1074.
- Lalor, James D. (See Jahn, Frederick L., assignor.)
- Lalor, James D., and F. L. Jahn, Philadelphia, Pa.; said Jahn assignor, by mesne assignments, to said Lalor. Automatic stop-valve. No. 1,103,058; July 14; Gaz. vol. 204; p. 338.
- Lamar, Jeff N., Dannemora, N. Y. Track structure. No. 1,096,433; May 12; Gaz. vol. 202; p. 465.
- Lamare, Vincent A., Chicago, Ill., assignor of one-half to L. F. Jordan, Portland, Me. Flying-machine. No. 1,093,788; Apr. 21; Gaz. vol. 201; p. 642.
- Lamb, Amherst G., Torrington, Conn. Universal joint. No. 1,122,953; Dec. 29; Gaz. vol. 209; p. 1568.
- Lamb, Amherst G., assignor to Excelsior Needle Company, Torrington, Conn. Carbureter. No. 1,106,226; Aug. 4; Gaz. vol. 205; p. 222.
- Lamb Bros. & Greene. (See Lamb, David C., assignor.)
- Lamb, Charles C., Chicago, Ill. Timing device for egg-boilers. No. 1,096,250; May 12; Gaz. vol. 202; p. 403.
- Lamb, Charles C., Chicago, Ill. Washing-machine. No. 1,099,985; June 16; Gaz. vol. 203; p. 634.
- Lamb, Charles C., assignor of one-half to W. M. McEwen, Chicago, Ill. Rail-joint. No. 1,113,127; Oct. 6; Gaz. vol. 207; p. 246.
- Lamb, David C., assignor to Lamb Bros. & Greene, Nappanee, Ind. Electric-light support. No. 1,105,083; July 28; Gaz. vol. 204; p. 1130.
- Lamb, David C., assignor to Lamb Bros. & Greene, Nappanee, Ind. Electric-conductor take-up. No. 1,106,821; Aug. 11; Gaz. vol. 205; p. 476.
- Lamb, David C., assignor to Lamb Bros. & Greene, Nappanee, Ind. Portable electric-light support. No. 1,121,928; Dec. 22; Gaz. vol. 209; p. 1175.
- Lamb, Elden P., Camden, assignor of one-half to J. Bird, Rockland, Me. Vaporizer for internal-combustion engines. No. 1,088,664; Feb. 24; Gaz. vol. 199; p. 1207.
- Lamb, George H., London, England. Lock. No. 1,104,052; July 21; Gaz. vol. 204; p. 724.
- Lamb, James, Richmond, Ind. Railway construction. No. 1,116,446; Nov. 10; Gaz. vol. 208; p. 374.
- Lamb, James B., assignor to The Ohio Varnish Company, Cleveland, Ohio. Dust-mop. No. 1,115,442; Oct. 27; Gaz. vol. 207; p. 1196.
- Lamb, John M., Kirkby, England. Means for the attachment of wheels. No. 1,090,865; Mar. 24; Gaz. vol. 200; p. 872.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Vacuum-bottle. No. 1,113,357; Oct. 13; Gaz. vol. 207; p. 373.
- Lamb, Orange S. (See Lamb, William G. and O. S.)
- Lamb, Thomas, Brooklyn, N. Y. Stopper for milk-bottles. No. 1,087,303; Feb. 17; Gaz. vol. 199; p. 696.
- Lamb, Thomas, Brooklyn, N. Y. Antiseptic protector. No. 1,104,908; July 28; Gaz. vol. 204; p. 1069.
- Lamb, Thomas F., assignor to The American Bottle Company, Newark, Ohio. Bottle-handling device. No. 1,091,671; Mar. 31; Gaz. vol. 200; p. 1191.
- Lamb, Thomas F., assignor to The American Bottle Company, Newark, Ohio. Bottle-handling device. No. 1,116,081; Nov. 3; Gaz. vol. 208; p. 210.
- Lamb, William G. and O. S., Waterloo, Iowa. Resilient brake-hanger. No. 1,093,864; Apr. 21; Gaz. vol. 201; p. 668.
- Lamb, William R., Dallas, Tex. Cotton elevating and distributing system. No. 1,087,882; Feb. 17; Gaz. vol. 199; p. 895.
- Lamb, William R., Dallas, Tex. Seed-cotton cleaner and distributor. No. 1,105,441; July 28; Gaz. vol. 204; p. 1256.
- Lamb, William R., Dallas, Tex. Bur-extractor for cotton-feeders. No. 1,105,442; July 28; Gaz. vol. 204; p. 1257.
- Lambert, Clayton A., Indian View, assignor to The John Church Company, Cincinnati, Ohio. Pneumatic piano. No. 1,106,822; Aug. 11; Gaz. vol. 205; p. 476.
- Lambert, Edna, Jersey City, N. J., assignor to Westinghouse Lamp Company. Manufacture of incandescent lamps. No. 1,120,064; Dec. 8; Gaz. vol. 209; p. 436.
- Lambert, Francis N., New Britain, Conn. Speed-measure. No. 1,110,698; Sept. 15; Gaz. vol. 206; p. 734.
- Lambert, Frank, Brooklyn, N. Y. Fan. No. 1,090,481; Mar. 17; Gaz. vol. 200; p. 713.
- Lambert, Fred A., Lawrence, Mass. Street-sweeper. No. 1,118,559; Nov. 24; Gaz. vol. 208; p. 1200.
- Lambert, Frederick C., assignor of one-half to G. J. Koch, New York, N. Y. Wind-shield for match-boxes. No. 1,094,225; Apr. 21; Gaz. vol. 201; p. 789.
- Lambert, George W., Richmond, Va. Window-sash fastener. No. 1,101,859; June 30; Gaz. vol. 203; p. 1385.
- Lambert, Henry W., Stoughton, Mass. Shoe-top protector. No. 1,105,332; July 28; Gaz. vol. 204; p. 1217.
- Lambert, Henry W., Stoughton, Mass. Support for shoe-uppers. No. 1,105,333; July 28; Gaz. vol. 204; p. 1217.
- Lambert, John W., Anderson, Ind. Traction-wheel. No. 1,112,920; Oct. 6; Gaz. vol. 207; p. 177.
- Lambert, John W., Anderson, Ind. Traction-wheel cleat. No. 1,120,946; Dec. 15; Gaz. vol. 209; p. 796.
- Lambert, Richard A., Tacoma, Wash. Artificial fish-bait. (Reissue.) No. 13,828; Nov. 17; Gaz. vol. 208; p. 952.
- Lambiasi, Gustavo, Brooklyn, N. Y. Fall-board for pianos. No. 1,105,802; Aug. 4; Gaz. vol. 205; p. 75.
- Lambie Brothers Corporation. (See Lambie, Frank D., assignor.)
- Lambie, Frank D., Upper Montclair, N. J., assignor to Lambie Brothers Corporation. Mold for building monolithic houses. No. 1,122,285; Dec. 29; Gaz. vol. 209; p. 1337.
- Lambie, Frank D., Upper Montclair, N. J., assignor to Lambie Brothers Corporation. Mold for building monolithic houses. No. 1,122,771; Dec. 29; Gaz. vol. 209; p. 1503.
- Lambie, Frank D., Upper Montclair, N. J., assignor to Lambie Brothers Corporation. Mold for building monolithic houses. No. 1,122,772; Dec. 29; Gaz. vol. 209; p. 1504.
- Lamey, Fritz, Mülhausen, Germany. Embossed printing. No. 1,115,551; Nov. 3; Gaz. vol. 208; p. 29.
- Lamkin, Bert E., assignor of one-half to R. G. Osten, Springfield, Ill. Hobby-horse velocipede. No. 1,090,550; Mar. 17; Gaz. vol. 200; p. 736.
- Lamme, Benjamin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Field-magnet winding for dynamo-electric machines. No. 1,095,331; May 5; Gaz. vol. 202; p. 54.
- Lammere, Charles A., Stillwater, Minn. Copy-holder. No. 1,087,304; Feb. 17; Gaz. vol. 199; p. 696.
- Lammert, Ferdinand E., Chicago, Ill. Internal-combustion engine. No. 1,118,500; Nov. 24; Gaz. vol. 208; p. 1179.
- Lammine, Emil T., Cologne, Germany. Welded wrought-iron annealing-pot. No. 1,097,448; May 19; Gaz. vol. 202; p. 858.
- Lamon, David, Denver, Colo. Treating iron and steel. No. 1,096,006; May 5; Gaz. vol. 202; p. 282.
- Lamon, Judson A., Montclair, N. J., assignor to McCord and Company, Chicago, Ill. Journal-box lid. No. 1,109,074; Sept. 1; Gaz. vol. 206; p. 77.
- Lamont, James S., Matteawan, N. Y. Corset-shield. No. 1,108,588; Aug. 25; Gaz. vol. 205; p. 1191.
- Lamont, Robert P. (See Goldberg, Hyman E., assignor.)
- Lamoureux, Frank L. (See Michels and Lamoureux.)
- Lamoureux, Howard P., Marietta, Wash. Fish-slimer. No. 1,116,082; Nov. 3; Gaz. vol. 208; p. 210.
- Lamort, Marcel, Vitry-le-François, France. Paper-making machine. No. 1,093,998; Apr. 21; Gaz. vol. 201; p. 713.
- Lampert, Henry H., Chicago, Ill. Jack. No. 1,097,338; May 19; Gaz. vol. 202; p. 822.
- Lampert, Henry H., Chicago, Ill. Clip for reinforcing-bars. No. 1,121,639; Dec. 22; Gaz. vol. 209; p. 1073.
- Lampert, Henry H., assignor of one-half to A. L. Richtmyre, Kansas City, Mo. Mold-clamping device. No. 1,109,295; Sept. 1; Gaz. vol. 206; p. 155.
- Lampert, Henry J., Chicago, Ill. Insulating-joint and making the same. No. 1,110,947; Sept. 15; Gaz. vol. 206; p. 822.
- Lampert, Henry J., assignor to Loose-Wiles Biscuit Company, St. Louis, Mo. Display-stand. No. 1,109,765; Sept. 8; Gaz. vol. 206; p. 362.
- Lamsens, Oscar M., Detroit, Mich. Filter. No. 1,093,999; Apr. 21; Gaz. vol. 201; p. 713.
- Lamson Company, The. (See Amsden, George A., assignor.)

Alphabetical list of patentees—Continued.

- Lamson Company, The. (See Cowley, James T., assignor.)
- Lamson Company, The. (See Hidden, Charles P., assignor.)
- Lamson Company, The. (See Jacobs, George, assignor.)
- Lamson Company. (See Jennings, Chester S., assignor.)
- Lamson Company, The. (See Miller, Charles J., assignor.)
- Lamson Company. (See Pearsall, Albert W., assignor.)
- Lamson Company, The. (See Pitt, John A., assignor.)
- Lamson Company, The. (See Powell, Frank D., assignor.)
- Lamson Company, The. (See Soule, Frederick L., assignor.)
- Lamson Company. (See Thomas, Edward G., assignor.)
- Lamson Company, The. (See Whittier, Frederick G., assignor.)
- Lamson Company, The. (See Wilson, Harry L., assignor.)
- Lamson Company, The. (See Woodruff, William W., assignor.)
- Lamson, John D. R. (See Huyck, Francis P., assignor.)
- Lamson, Paul W., *et al.* (See McKee, Thomas C., assignor.)
- Lamson, Paul W., Cleveland, Ohio, assignor to Armstrong Cork Company, Pittsburgh, Pa. Steam-pipe insulation and support. No. 1,122,130; Dec. 22; Gaz. vol. 209; p. 1244.
- Lamy, Mary M., Dayton, Ohio. Cord and rope making device. No. 1,091,672; Mar. 31; Gaz. vol. 200; p. 1191.
- Lancaster, Arthur, Alva, Okla. Washstand. No. 1,093,274; Apr. 14; Gaz. vol. 201; p. 430.
- Lancaster, Charles F., assignor of one-thirtieth to W. A. Wilder, one-thirtieth to D. Wilcox, and one-thirtieth to A. M. Shaw, Bay City, Mich. Concrete-mixer. No. 1,101,803; June 30; Gaz. vol. 203; p. 1366.
- Lancaster, Eanester W., Oenaville, Tex. Stalk-cutter attachment for plows. No. 1,090,400; Mar. 17; Gaz. vol. 200; p. 684.
- Lancaster, George W., Richmond, Va., assignor to Universal Screen and Blind Company, Incorporated. Adjusting mechanism for the slats of blinds. No. 1,087,785; Feb. 17; Gaz. vol. 199; p. 864.
- Lancaster, George W., Richmond, Va., assignor to Universal Screen & Blind Company, Incorporated. Shutter-operating mechanism. No. 1,087,786; Feb. 17; Gaz. vol. 199; p. 864.
- Lancaster Glass Company, The. (See Graham, Wallace S., assignor.)
- Lancaster, Wilger T., Ashton, assignor to Victor Shaw Ring Traveler Company, Providence, R. I. Ring-traveler. No. 1,121,378; Dec. 15; Gaz. vol. 209; p. 946.
- Lance, John H., Kingston, Pa. Screen-chamber. No. 1,100,435; June 16; Gaz. vol. 203; p. 791.
- Lance, Oliver, Rodeo, Cal. Fruit-picker's ladder. No. 1,102,059; June 30; Gaz. vol. 203; p. 1458.
- Lanchester, Frederick W., Edgbaston, Birmingham, England. Damping torsional vibrations in crank-shafts. No. 1,085,443; Jan. 27; Gaz. vol. 198; p. 827.
- Lanchester, Frederick W., Edgbaston, Birmingham, England. Manufacture of piston-packings. No. 1,118,784; Nov. 24; Gaz. vol. 208; p. 1276.
- Lancia, Vincenzo, Turin, Italy. Lubrication mechanism for combustion-engines. No. 1,083,329; Jan. 6; Gaz. vol. 198; p. 24.
- Lancia, Vincenzo, Turin, Italy. Transmission-gear for motor-cars. No. 1,085,869; Feb. 3; Gaz. vol. 199; p. 103.
- Land, Charles H., Detroit, Mich. Disinfecting apparatus. No. 1,087,669; Feb. 17; Gaz. vol. 199; p. 826.
- Land, Edmund, and F. L. Fisher, Grand Rapids, Mich., assignors, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone system. No. 1,117,407; Nov. 17; Gaz. vol. 208; p. 756.
- Land, Gordon, Seattle, assignor to L. Howardsmith, King county, Wash. Magnetic ore-separator. No. 1,109,634; Sept. 1; Gaz. vol. 206; p. 273.
- Land, Henry S., county of Essex, England. Apparatus for turning, shaping, and screw-threading rods or other metal blanks. No. 1,113,023; Oct. 6; Gaz. vol. 207; p. 211.
- Landaiche, Didier A., Thibodaux, La. Registering measuring instrument. No. 1,117,064; Nov. 10; Gaz. vol. 208; p. 595.
- Landau, Joseph N., New York, N. Y. Automatic multiple-chuck drill-press. No. 1,104,517; July 21; Gaz. vol. 204; p. 885.
- Lande, Max, Brooklyn, N. Y. Sash-lock. No. 1,102,519; July 7; Gaz. vol. 204; p. 104.
- Lande, Max, Brooklyn, N. Y. Window. No. 1,110,064; Sept. 8; Gaz. vol. 206; p. 468.
- Landenberger, Gustav A., Philadelphia, Pa. Stocking. No. 1,111,658; Sept. 22; Gaz. vol. 206; p. 1110.
- Landenberger, John C., Salt Lake City, Utah. Fracturable. No. 1,113,658; Oct. 13; Gaz. vol. 207; p. 476.
- Landers, Frary & Clark. (See Carlson, Frederick E., assignor.)
- Landers, Frary & Clark. (See Curtiss, George E., assignor.)
- Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)
- Landers, Frary & Clark. (See Smith, Charles F., assignor.)
- Landers, Frary and Clark. (See Spellman and Twigg, assignors.)
- Landers, Frary & Clark. (See Twigg, Ernest, assignor.)
- Landers, Frary & Clark. (See Walker, George, assignor.)
- Landers, Frary & Clark. (See Warner, Alonzo A., assignor.)
- Landes, Louis E., Los Angeles, Cal. Electric signal for automobiles. No. 1,086,600; Feb. 10; Gaz. vol. 199; p. 402.
- Landgrebe, Carl O., Dresden, Germany. Coupling for shafts. No. 1,120,510; Dec. 8; Gaz. vol. 209; p. 594.
- Landin, Carl J., assignor to Clifton Manufacturing Company, Boston, Mass. Machine for feeding fabrics and the like. No. 1,110,633; Sept. 15; Gaz. vol. 206; p. 711.
- Landin, Carl J., assignor to Clifton Manufacturing Company, Boston, Mass. Fabric-feeding mechanism. No. 1,114,487; Oct. 20; Gaz. vol. 207; p. 812.
- Landin, Carl J., assignor to Universal Appliance Company, Boston, Mass. Telephone-support. No. 1,119,782; Dec. 1; Gaz. vol. 209; p. 301.
- Landine, Peter N., assignor to The Rostand Manufacturing Company, Milford, Conn. Wind-shield mounting. No. 1,122,509; Dec. 29; Gaz. vol. 209; p. 1411.
- Landis, Abraham B., Waynesboro, Pa. Automatic balancing mechanism. No. 1,091,851; Mar. 31; Gaz. vol. 200; p. 1255.
- Landis, Abraham B., Enfield, Pa. Bolt-threading machine. No. 1,107,621; Aug. 18; Gaz. vol. 205; p. 805.
- Landis, Abraham B., Enfield, Pa. Bolt-threading machine. No. 1,112,539; Oct. 6; Gaz. vol. 207; p. 45.
- Landis, Frank F., Waynesboro, Pa. Blast-distributor for winnowing-machines. No. 1,089,062; Mar. 3; Gaz. vol. 200; p. 132.
- Landis, Israel L., Chicago, Ill. Locking-clamp for gates and the like. No. 1,091,518; Mar. 31; Gaz. vol. 200; p. 1138.
- Landis Machine Company. (See Blair, William R., assignor.)
- Landis Machine Company. (See Fisher, Henry L., assignor.)
- Landis, Omar K. (See Dellinger and Landis.)
- Landis Tool Company. (See Conradson, Conrad M., assignor.)
- Landis Tool Company. (See Shearer, Harry T., assignor.)
- Landis, Walter S., Niagara Falls, Ontario, Canada, assignor to American Cyanamid Company, Nashville, Tenn. Producing available phosphoric acid. No. 1,094,857; Apr. 28; Gaz. vol. 201; p. 1068.
- Landis, Walter S., Niagara Falls, Ontario, Canada, assignor to American Cyanamid Company, Nashville, Tenn. Crushing and grinding calcium carbid. No. 1,100,582; June 16; Gaz. vol. 203; p. 838.
- Landis, Walter S., Niagara Falls, Ontario, Canada, assignor to American Cyanamid Company, Nashville, Tenn. Rendering soluble insoluble phosphates. No. 1,103,059; July 14; Gaz. vol. 204; p. 338.
- Landis, Walter S., Niagara Falls, N. Y., assignor to American Cyanamid Company, Nashville, Tenn. Method and means for fixing nitrogen. No. 1,103,060; July 14; Gaz. vol. 204; p. 338.
- Landis, Walter S., Niagara Falls, N. Y., assignor to American Cyanamid Company, Nashville, Tenn. Process and apparatus for fixing atmospheric nitrogen. No. 1,103,061; July 14; Gaz. vol. 204; p. 339.
- Landis, Walter S., Niagara Falls, N. Y., assignor to American Cyanamid Company, Nashville, Tenn. Method of and apparatus for fixing nitrogen. No. 1,103,062; July 14; Gaz. vol. 204; p. 339.
- Landolt, Henry W., Brooklyn, N. Y. Window-sash construction. No. 1,108,914; Sept. 1; Gaz. vol. 206; p. 18.
- Landon, Frederick M., Tacoma, Wash. Wrench. No. 1,109,766; Sept. 8; Gaz. vol. 206; p. 362.
- Landqvist, Victor. (See Lagerman and Landqvist.)
- Landreth, Clarence P., Philadelphia, Pa. Process of and apparatus for treating water. No. 1,095,893; May 5; Gaz. vol. 202; p. 244.
- Landreth, Clarence P., Philadelphia, Pa. Method and means for treating electrodes. No. 1,099,654; June 9; Gaz. vol. 203; p. 484.
- Landrith, Wilburn. (See Buck, Milton, assignor.)
- Landry, Charles, *et al.* (See Guidry, Ambrose J., assignor.)
- Landry, Joseph L., Napoleonville, La. Oil-burner. No. 1,114,994; Oct. 27; Gaz. vol. 207; p. 1042.
- Landry, Louis H. (See Taft and Landry.)
- Landsberger, John J., Douglas, Minn. Binder-twine-curing machine. No. 1,096,845; May 19; Gaz. vol. 202; p. 647.
- Landsiedel, Harry, Poplar Bluff, assignor to Dalton Adding Machine Company, St. Louis, Mo. Adding-machine. No. 1,098,739; June 2; Gaz. vol. 203; p. 130.
- Landsiedel, Harry, Poplar Bluff, assignor to Dalton Adding Machine Company, St. Louis, Mo. Adding and recording machine. No. 1,103,300; July 14; Gaz. vol. 204; p. 422.
- Landsiedel, Harry, Poplar Bluff, Mo., assignor, by mesne assignments, to Dalton Adding Machine Company, Cincinnati, Ohio. Recording-machine. No. 1,115,841; Nov. 3; Gaz. vol. 208; p. 127.

Alphabetical list of patentees--Continued.

- Landsiedel, Harry, Poplar Bluff, Mo., assignor, by mesne assignments, to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding-machine. No. 1,119,967; Dec. 8; Gaz. vol. 209; p. 402.
- Landsiedel, Harry, Poplar Bluff, Mo., assignor, by mesne assignments, to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding and recording machine. No. 1,121,734; Dec. 22; Gaz. vol. 209; p. 1106.
- Landsmann, Arthur K., and F. Dippon, St. Louis, Mo. Rotary explosive engine or motor. No. 1,093,056; Apr. 14; Gaz. vol. 201; p. 354.
- Landsmann, Arthur K., and F. Dippon, St. Louis, Mo. Internal-combustion engine. No. 1,122,773; Dec. 29; Gaz. vol. 209; p. 1504.
- Landy, William F. (See Gatling, William E., assignor.)
- Landy, William R., Minneapolis, Minn. Shoe-buffer. No. 1,115,468; Oct. 27; Gaz. vol. 207; p. 1204.
- Lane, Alexander H. (See Bastian, John A., assignor.)
- Lane, Benjamin T., Baird, Wash. Weeder for harrows. No. 1,107,173; Aug. 11; Gaz. vol. 205; p. 599.
- Lane Brothers Company. (See Janes, John M., assignor.)
- Lane Brothers Company. (See Lane, George, assignor.)
- Lane, Charles M., Rosedale, Kans. Boring-machine. No. 1,114,373; Oct. 20; Gaz. vol. 207; p. 769.
- Lane, Charles W., Madrid, N. Y. Bait-holder. No. 1,114,698; Oct. 20; Gaz. vol. 207; p. 881.
- Lane, Delbert E., Chicago, Ill. Internal-combustion engine. No. 1,097,032; May 19; Gaz. vol. 202; p. 713.
- Lane, Enoch J., assignor of one-third to L. I. Jones, San Jose, Cal. Electric automatic weighing device. No. 1,115,690; Nov. 3; Gaz. vol. 208; p. 77.
- Lane, Forrest D., Bisbee, Ariz. Cuspidor. No. 1,106,048; Aug. 4; Gaz. vol. 205; p. 162.
- Lane, Frank M., Memphis, Tenn. Service-box cover. No. 1,093,275; Apr. 14; Gaz. vol. 201; p. 430.
- Lane, Franklin L., and H. J. Mitchell, assignors to The Berlin Machine Works, Beloit, Wis. Mounting for resilient cushions. No. 1,096,846; May 19; Gaz. vol. 202; p. 647.
- Lane, Franklin L., and H. J. Mitchell, assignors to The Berlin Machine Works, Beloit, Wis. Profile cutter-head. No. 1,096,847; May 19; Gaz. vol. 202; p. 648.
- Lane, George, Poughkeepsie, N. Y., assignor to Lane Brothers Company. Lifting-jack. No. 1,122,235; Dec. 22; Gaz. vol. 209; p. 1280.
- Lane, J. Earl. (See Carroll, David G., assignor.)
- Lane, John D., Cambridge, Mass. Book-marker. No. 1,112,813; Oct. 6; Gaz. vol. 207; p. 141.
- Lane, John P. H., Harriman, Tenn. Folding basket-carrier. No. 1,100,893; June 23; Gaz. vol. 203; p. 1000.
- Lane, Lester F. (See Pearson and Lane.)
- Lane, Luther L., Hillsboro, Tex., assignor to Texas Auto Specialty Manufacturing Co. Motor-car wheel. No. 1,113,449; Oct. 13; Gaz. vol. 207; p. 405.
- Lane, Michael H. (See Williams and Lane.)
- Lane, Robert C., *et al.* (See Prentiss, Frederick H., assignor.)
- Lane, Thomas, Atlanta, Ga. Internal-combustion engine. No. 1,087,499; Feb. 17; Gaz. vol. 199; p. 765.
- Lane, W. Britton, Evanston, assignor of one-half to Universal Railway Supply Company, Chicago, Ill. Cushioning means for railway-cars. No. 1,087,305; Feb. 17; Gaz. vol. 199; p. 696.
- Lane, William E., Kansas City, Mo. Lamp-fixture. No. 1,099,061; June 2; Gaz. vol. 203; p. 236.
- Lane, William H., Westfield, N. J., and A. V. T. Day, New Rochelle, assignors, by mesne assignments, to Hall Switch & Signal Company, New York, N. Y. Electric traffic-controlling system for railways. No. 1,099,259; June 9; Gaz. vol. 203; p. 348.
- Lane, William H., and C. W. Coleman, deceased, Westfield, N. J.; K. Coleman, administratrix; assignors, by mesne assignments, to Hall Switch & Signal Company, New York, N. Y. Siding protection for signaling systems. No. 1,097,241; May 19; Gaz. vol. 202; p. 788.
- Lane, William J., assignor of one-half to M. H. Swafford, Chicago, Ill. Scrubbing-machine. No. 1,118,870; Nov. 24; Gaz. vol. 208; p. 1305.
- Laney, Thomas G., *et al.* (See Overly and Thompson, assignors.)
- Langford, David L., Coleman, Tex. Cutting mechanism for display-racks. No. 1,084,350; Jan. 13; Gaz. vol. 198; p. 392.
- Lang, Charles E., Los Angeles, Cal. Retrieving-trolley. No. 1,109,234; Sept. 1; Gaz. vol. 206; p. 134.
- Lang, Charles E., Los Angeles, assignor to Wasson Engineering & Supply Co., Petaluma, Cal. Retrieving-trolley. No. 1,102,673; July 7; Gaz. vol. 204; p. 158.
- Lang, Charles W. (See Nelson and Lang.)
- Lang, Edward M., Jr., Portland, Me. Closure for cans. No. 1,109,649; Sept. 1; Gaz. vol. 206; p. 279.
- Lang, Edward M., Jr., Portland, Me. Can cap and closure. No. 1,122,954; Dec. 29; Gaz. vol. 209; p. 1569.
- Lang, Edward M., Jr., Portland, Me. Can-cap. No. 1,122,955; Dec. 29; Gaz. vol. 209; p. 1569.
- Lang, Edwin G. (See Smith, Nathaniel E., assignor.)
- Lang, George H., Boston, Mass. Printing-machine. No. 1,103,063; July 14; Gaz. vol. 204; p. 339.
- Lang, Hubert, assignor to The Goss Printing Press Company, Chicago, Ill. Sheet-gripping device for printing-presses. No. 1,108,193; Aug. 25; Gaz. vol. 205; p. 1052.
- Lang, Jacob, Cleveland, Ohio. Hinge for doors. No. 1,116,714; Nov. 10; Gaz. vol. 208; p. 473.
- Lang, James S., Boston, Mass. Means for automatically effecting and maintaining the equilibrium of aerial or other unstable machines. No. 1,096,251; May 12; Gaz. vol. 202; p. 403.
- Lang, James S., Boston, Mass. Aeroplane or other unstable machine. No. 1,096,252; May 12; Gaz. vol. 202; p. 404.
- Lang, James S., Boston, Mass. Gyroscopic control. No. 1,096,253; May 12; Gaz. vol. 202; p. 404.
- Lang, James S., Boston, Mass. Gyroscopic control. No. 1,096,254; May 12; Gaz. vol. 202; p. 405.
- Lang, James S., Boston, Mass. Aeroplane. No. 1,096,255; May 12; Gaz. vol. 202; p. 405.
- Lang, James S., Boston, Mass. Plane for aeroplanes. No. 1,096,256; May 12; Gaz. vol. 202; p. 406.
- Lang, Walter S., Sewickley, Pa. Combination broom press and nailer. No. 1,101,637; June 30; Gaz. vol. 203; p. 1310.
- Lang, William C., Cleveland, Ohio. Mold-making machine. No. 1,093,439; Apr. 14; Gaz. vol. 201; p. 485.
- Lang, William C., Cleveland, Ohio. Toy cannon. No. 1,094,725; Apr. 28; Gaz. vol. 201; p. 1023.
- Langager, Ludvig T., Butler, S. D. Chisel-handle. No. 1,120,947; Dec. 15; Gaz. vol. 209; p. 797.
- Langan, Thomas W., Astoria, N. Y. Smoke-preventer. No. 1,104,909; July 28; Gaz. vol. 204; p. 1069.
- Langdon, Allan R., Hartford, Conn. Telephone-transmitter cut-out. No. 1,096,434; May 12; Gaz. vol. 202; p. 465.
- Langdon, James E., assignor of one-half to G. D. Rollins, Philadelphia, Pa. Protector for the beads of boiler-flues. No. 1,112,373; Sept. 29; Gaz. vol. 206; p. 1394.
- Langdon, James G., Baltimore, Md. Sectional type-writer desk. No. 1,110,948; Sept. 15; Gaz. vol. 206; p. 822.
- Lange, Albert, assignor to George S. Kelley Company, Inc., Providence, R. I. Bow-holder. No. 1,091,936; Mar. 31; Gaz. vol. 200; p. 1283.
- Lange, Albert, assignor to George S. Kelley Company, Inc., Providence, R. I. Head-dress-retaining device. No. 1,110,446; Sept. 15; Gaz. vol. 206; p. 646.
- Lange, August, Scribner, Nebr. Draft-equalizer. No. 1,095,894; May 5; Gaz. vol. 202; p. 245.
- Lange, Augustus H., Amsterdam, N. Y. Piano-bench. No. 1,095,332; May 5; Gaz. vol. 202; p. 54.
- Lange, Felix. (See Balch and Lange.)
- Lange, Otto, Chicago, Ill. Bottle filling and capping machine. No. 1,109,075; Sept. 1; Gaz. vol. 206; p. 77.
- Lange, Paul H., and H. L. Weigel, assignors to Niagara Machine & Tool Works, Buffalo, N. Y. Sheet-shearing machine. No. 1,105,668; Aug. 4; Gaz. vol. 205; p. 28.
- Lange, Robert, Wilmersdorf, near Berlin, Germany. Connection of handles to the tangs of instruments. No. 1,113,360; Nov. 24; Gaz. vol. 208; p. 1129.
- Lange, William, Bentley, N. D. Combined door latch and holder. No. 1,118,560; Nov. 24; Gaz. vol. 208; p. 1201.
- Lange, William, Tomkins Cove, assignor of one-half to C. Tomkins, New York, N. Y. Padlock for steam-shovels and the like. No. 1,089,063; Mar. 3; Gaz. vol. 200; p. 133.
- Lange, William, Tomkins Cove, assignor of one-half to C. Tomkins, New York, N. Y. Stone washer and drier. No. 1,120,316; Dec. 8; Gaz. vol. 209; p. 525.
- Lange, William J., and E. C. Roddie, New Orleans, La. Headlight. No. 1,122,209; Dec. 22; Gaz. vol. 209; p. 1271.
- Langelan, Fred H. V., Keeler township, Van Buren county, Mich. Tank-heater. No. 1,098,328; May 26; Gaz. vol. 202; p. 1212.
- Langell, Charles E., Belleville, Kans. Car-door and means for locking same. No. 1,104,265; July 21; Gaz. vol. 204; p. 795.
- Langenfeld, Joseph V. (See Hoyer, Edmond, assignor.)
- Langenhop, Herman F., Chappaqua, N. Y. Grate. No. 1,089,231; Mar. 3; Gaz. vol. 200; p. 192.
- Langenhop, Herman F., New York, N. Y. Grate. No. 1,114,488; Oct. 20; Gaz. vol. 207; p. 813.
- Langer, Joseph F., Miles City, Mont. Combined road grader and roller. No. 1,106,951; Aug. 11; Gaz. vol. 205; p. 522.
- Langfeld Bros. & Co. (See Greenbaum, Oscar, assignor.)
- Langfitt, John W., Redfield, Iowa. Trace-supporter for harness. No. 1,122,510; Dec. 29; Gaz. vol. 209; p. 1412.
- Langford, Albert L., Vancouver, British Columbia, Canada. Loose-leaf binder. No. 1,092,060; Mar. 31; Gaz. vol. 200; p. 1323.
- Langhammer, Frank L., and C. G. Johnson, assignors to Warner Brothers Company, Bridgeport, Conn. Buckle. No. 1,106,952; Aug. 11; Gaz. vol. 205; p. 522.
- Langhans, Rudolf, Berlin, Germany. Incandescent gas-lighting. No. 1,083,936; Jan. 13; Gaz. vol. 198; p. 252.
- Langill, Charles H., Boston, Mass. Making sheaves. No. 1,104,200; July 21; Gaz. vol. 204; p. 774.

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- Langill, Charles H., East Boston, Mass. Attachment for life-boats. No. 1,108,846; Aug. 25; Gaz. vol. 205; p. 1278.
- Langlais, Charles E. O., assignor of sixteen and two-thirds one-hundredths to J. A. H. Hebert, sixteen and two-thirds one-hundredths to C. Leluau, and sixteen and two-thirds one-hundredths to L. M. Lymburner, Montreal, Quebec, Canada. Self-coupling for fluid train-lines. No. 1,092,061; Mar. 31; Gaz. vol. 200; p. 1323.
- Langley, Edward H. M., and E. W. Price, assignors to The Electric & Ordnance Accessories Company, Limited, Birmingham, England. Electric-circuit-controlling apparatus for train-lighting and similar systems. No. 1,117,198; Nov. 17; Gaz. vol. 208; p. 682.
- Langley, Geffrard A., Birmingham, Ala. Rotatable swing-support. No. 1,095,505; May 5; Gaz. vol. 202; p. 114.
- Langley, James T., Portland, and E. Thomas, La Grande, Oreg. Globe-valve. No. 1,114,995; Oct. 27; Gaz. vol. 207; p. 1042.
- Langley, John E., Charleston, S. C. Wire applying and twisting implement. No. 1,087,787; Feb. 17; Gaz. vol. 199; p. 865.
- Langman, Max, New York, N. Y. Bloomer-skirt. No. 1,095,895; May 5; Gaz. vol. 202; p. 245.
- Langrock Bros. Company. (See Langrock, Joseph H., assignor.)
- Langrock, Joseph H., New York, N. Y., assignor to Langrock Bros. Company. Making stencils. No. 1,103,005; July 7; Gaz. vol. 204; p. 272.
- Langseth, Randolph, assignor, by mesne assignments, to Automatic Justifier Company, Hammond, Ind. Justifying with hot metal. No. 1,090,818; Mar. 17; Gaz. vol. 200; p. 824.
- Langseth, Randolph, assignor, by mesne assignments, of one-half to Automatic Justifier Company, Hammond, Ind. Apparatus for justifying with hot metal. No. 1,094,367; Apr. 21; Gaz. vol. 201; p. 833.
- Langslow, Harry R., Rochester, N. Y. Turnstile. No. 1,101,860; June 30; Gaz. vol. 203; p. 1385.
- Langstaff, Herman O. (See Worthington and Langstaff.)
- Langstaff, Robert, Donora, Pa. Top. No. 1,109,426; Sept. 1; Gaz. vol. 206; p. 203.
- Langston, Samuel M., Camden, N. J. Paper receptacle. No. 1,086,062; Feb. 3; Gaz. vol. 199; p. 174.
- Langston, Samuel M., Camden, N. J. Adjusting and driving mechanism for shafts. No. 1,086,722; Feb. 10; Gaz. vol. 199; p. 444.
- Langston, Samuel M., Camden, N. J. Paper-winding mechanism. No. 1,105,281; July 28; Gaz. vol. 204; p. 1197.
- Langston, Samuel M., Camden, N. J. Feeding mechanism for printing-presses. No. 1,107,971; Aug. 18; Gaz. vol. 205; p. 926.
- Langton, Ninon, Clare, La. Diaper-cleaner. No. 1,093,939; Apr. 21; Gaz. vol. 201; p. 693.
- Langworthy, Asher E., Atchison, Kans. Ironing-table. No. 1,119,436; Dec. 1; Gaz. vol. 209; p. 185.
- Lanhoffer, Edmond, Poissy, France. Apparatus for pressing or molding layers of agglomerated fibrous material. No. 1,088,350; Feb. 24; Gaz. vol. 199; p. 1104.
- Lanigan, James A. (See Carson and Lanigan.)
- Lanning, Charles D. (See Hathaway and Lanning.)
- Lanning, Charles D. (See Hawkins, Gardner C., assignor.)
- Lanning, Charles D., Boston, Mass. Electrical system. No. 1,116,447; Nov. 10; Gaz. vol. 208; p. 375.
- Lanning, Howard H., assignor of one-half to H. W. Jacobs, Topeka, Kans. Spark-controlling device for magneto ignition. No. 1,106,953; Aug. 11; Gaz. vol. 205; p. 523.
- Lanning, James K. (See Matthews, James F., assignor.)
- Lannoye, Joseph G., Detroit, Mich. Salt-cellar. No. 1,108,376; Aug. 25; Gaz. vol. 205; p. 1116.
- Lanphier, Robert C., and K. W. Struck, assignors to Sangamo Electric Company, Springfield, Ill. Make-and-break mechanism for electric circuits. No. 1,115,840; Nov. 3; Gaz. vol. 208; p. 126.
- Lansden, John M., Jr., Newark, N. J. Vehicle. No. 1,113,222; Oct. 13; Gaz. vol. 207; p. 324.
- Lansing, Charles W. (See Mitchell, Charles W., assignor.)
- Lansing, James A., Scranton, Pa. Domestic range. No. 1,121,640; Dec. 22; Gaz. vol. 209; p. 1073.
- Lansing, Van Rensselaer, New York, N. Y. Illuminating appliance. No. 1,090,076; Mar. 10; Gaz. vol. 200; p. 528.
- Lanston Monotype Machine Company. (See Bancroft and Indahl, assignors.)
- Lanston Monotype Machine Company. (See French, Joseph, assignor.)
- Lanston Monotype Machine Company. (See Indahl, Mauritz C., assignor.)
- Lanston Monotype Machine Company. (See Pierpont, Frank H., assignor.)
- Lantz, Harry J., Augusta, N. J. Switch-opener. No. 1,083,286; Jan. 6; Gaz. vol. 198; p. 9.
- Lantzy, Irenausa. (See Bongiovanni, Antonio, assignor.)
- Lanz, Firm of Heinrich. (See Seck, Karl H. W. L., assignor.)
- Lanz, Rudolph E. (See Reese, David W., assignor.)
- Lanzdorf, Adolf, Vienna, Austria-Hungary. Automatic railway-coupling. No. 1,107,324; Aug. 18; Gaz. vol. 205; p. 698.
- Lape, William E., *et al.* (See Pietrafesa, Victor, assignor.)
- Lapham, Paul J., Genoa, Ill., assignor to Lacene Manufacturing Company, Manchester, N. H. Leather-marking machine. No. 1,103,520; July 14; Gaz. vol. 204; p. 496.
- Lapin, Benjamin, Baltimore, Md. Apparatus for sponging cloth. No. 1,090,313; Mar. 17; Gaz. vol. 200; p. 653.
- Lapin, John, Brooklyn, N. Y. Trench-digging machine. No. 1,092,777; Apr. 7; Gaz. vol. 201; p. 224.
- Lapin, Samuel, Philadelphia, Pa., assignor to Excelsior Drum Works. Sound-effect machine. No. 1,100,833; June 23; Gaz. vol. 203; p. 979.
- Laplant, Charles N., and J. W. Grace, Burlington, Vt. Wheel. No. 1,101,083; June 23; Gaz. vol. 203; p. 1068.
- Lapointe, Francis J., New London, Conn. Cutter-bar and bushing therefor. No. 1,088,828; Mar. 3; Gaz. vol. 200; p. 53.
- Lapointe, Francis J., New London, Conn. Key-seat-broaching machine. No. 1,109,847; Sept. 8; Gaz. vol. 206; p. 390.
- Lapointe Machine Tool Co. (See Lapointe, Ralph R., assignor.)
- Lapointe, Ralph R., assignor to Lapointe Machine Tool Co., Hudson, Mass. Lubricating mechanism. No. 1,103,301; July 14; Gaz. vol. 204; p. 422.
- Laposkey, Peter P., Cherokee, Iowa. Electric scalp appliance. No. 1,099,062; June 2; Gaz. vol. 203; p. 236.
- Lappen, James E., assignor to Union Fibre Company, Winona, Minn. Fireless cooker. No. 1,122,131; Dec. 22; Gaz. vol. 209; p. 1244.
- Lapray, George, *et al.* (See Watkins, William F., assignor.)
- Larabee Flour Mills Company, The. (See Estabrook, Alvah W., assignor.)
- Larabee Flour Mills Company, The. (See Estabrook and Weaver, assignors.)
- Laraway, Burton R., and W. J. Handley, Jackson, Mich. Flat-iron and burner. No. 1,099,183; June 9; Gaz. vol. 203; p. 321.
- Larimer, William J., assignor of one-half to J. C. Cutler, Kansas City, Kans. Spool-rack. No. 1,103,302; July 14; Gaz. vol. 204; p. 423.
- Larimore, John W., Springfield, Ill. Current-motor. No. 1,096,435; May 12; Gaz. vol. 202; p. 466.
- Larison, Claude H. (See Johnston and Larison.)
- Lariviere, Noe, Baltic, Conn. Shuttle-binder for looms. No. 1,097,761; May 26; Gaz. vol. 202; p. 1013.
- Larkin, Clifford J., Everett, Mass. Coupling. No. 1,109,767; Sept. 8; Gaz. vol. 206; p. 362.
- Larkin, George F., Harringay, England. Control-levers for vehicles. No. 1,088,595; Feb. 24; Gaz. vol. 199; p. 1184.
- Larmon, Charles B. (See Wheatley and Larmon.)
- Larmuth, William O. (See Davidson and Larmuth.)
- Larned, Carter & Company. (See Hymer, Curtis W., assignor.)
- Larned, Percy L. (See Stretesky and Larned.)
- Laroche, Frances S., San Francisco, Cal. Hat-fastener. No. 1,084,282; Jan. 13; Gaz. vol. 198; p. 370.
- Laroche, Louis, *et al.* (See Prejean, Cleomer, assignor.)
- Larrabee, Arthur H., Corona, Cal. Picker's sack. No. 1,098,949; June 2; Gaz. vol. 203; p. 201.
- Larrabee, Clinton D., assignor of one-half to S. Hubbell, Syracuse, N. Y. Trolley. No. 1,084,863; Jan. 20; Gaz. vol. 198; p. 594.
- Larrabee, Clinton D., assignor of one-half to S. Hubbell, Syracuse, N. Y. Trolley-harp. No. 1,085,213; Jan. 27; Gaz. vol. 198; p. 748.
- Larrabee, Clinton E., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Time-recorder. No. 1,088,077; Feb. 24; Gaz. vol. 199; p. 1012.
- Larrabee, John S. (See Hanscom and Larrabee.)
- Larrabee, Samuel O., Coldwater, Mich. Artificial bait. No. 1,099,606; June 9; Gaz. vol. 203; p. 467.
- Larraburu, Georges. (See Druet and Larraburu.)
- Larramore, James H., Shelltown, Md. Trapper's tongs. No. 1,091,356; Mar. 24; Gaz. vol. 200; p. 1040.
- Larsen, Andru, Chicago, Ill. Horseshoe-pad. No. 1,111,843; Sept. 29; Gaz. vol. 206; p. 1212.
- Larsen, Bertinius, and W. H. Parkin, assignors to National-Standard Company, Niles, Mich. Rotary blower. No. 1,111,160; Sept. 22; Gaz. vol. 206; p. 938.
- Larsen, George R. (See Russell, Corey L., assignor.)
- Larsen, John E., *et al.* (See Cramer, George E., assignor.)
- Larsen, Laurits O., Perth Amboy, N. J. Life-boat. No. 1,090,923; Mar. 24; Gaz. vol. 200; p. 893.
- Larsen, Lauritz B., New York, N. Y. Pocket-knife. No. 1,087,788; Feb. 17; Gaz. vol. 199; p. 865.
- Larsen, Louis, Lambertson, Minn. Corn-harvester. No. 1,110,801; Sept. 15; Gaz. vol. 206; p. 770.
- Larsen, Magnus, New York, N. Y., assignor of one-half to F. F. Hespe, Jersey City, N. J. Electric-lamp socket. No. 1,109,589; Sept. 1; Gaz. vol. 206; p. 256.
- Larsen, Olaf, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Support and receptacle for electrical devices. No. 1,119,359; Dec. 1; Gaz. vol. 209; p. 158.

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- Larsen, Oluf, *et al.* (See Christopherson, Ole A., assignor.)
- Larsen, Robert G., Boston, and W. S. Morrell, Melrose, Mass., assignors to B. F. Keith Theatre Company of Boston. Swimming-tank. No. 1,097,242; May 19; Gaz. vol. 202; p. 788.
- Larsen, Thomas M., Brooklyn, N. Y. Drawing-machine. No. 1,088,910; Mar. 3; Gaz. vol. 200; p. 80.
- Larson, Albin H., Minneapolis, Minn. Resilient platform for street-cars. No. 1,122,956; Dec. 29; Gaz. vol. 209; p. 1569.
- Larson, August A. (See Larson, Gustaf K. and A. A.)
- Larson, Axel F., assignor to Marquette Piano Company, Chicago, Ill. Coin-operated mechanism for automatic pianos. No. 1,097,033; May 19; Gaz. vol. 202; p. 714.
- Larson, Carl A. (See Lundahl and Ekstrom, assignors.)
- Larson, Chris, Denver, Colo. Weed-exterminator. No. 1,120,065; Dec. 8; Gaz. vol. 209; p. 437.
- Larson, Elmer J., Mount Vernon, Wash. Toy. No. 1,106,878; Aug. 11; Gaz. vol. 205; p. 496.
- Larson, Frank P., Chicago, Ill. Tire-chain. No. 1,098,043; May 26; Gaz. vol. 202; p. 1113.
- Larson, Gustaf K. and A. A., Johnsonburg, Pa. Window-ventilator. No. 1,108,505; Aug. 25; Gaz. vol. 205; p. 1161.
- Larson, Gustave, Buenos Aires, Argentina. Automatic sluice-gate. No. 1,089,232; Mar. 3; Gaz. vol. 200; p. 192.
- Larson, Julius, Deer Lodge, Mont. Sod-cutter. No. 1,099,607; June 9; Gaz. vol. 203; p. 468.
- Larson, Lars, Chicago, Ill. Slag-disintegrating apparatus. No. 1,103,886; July 14; Gaz. vol. 204; p. 625.
- Larson, Lewis, Malta, Ill. Disk-harrow sharpener. No. 1,083,687; Jan. 6; Gaz. vol. 198; p. 142.
- Larson, Louis A., Minneapolis, Minn. Thermostat. No. 1,099,383; June 9; Gaz. vol. 203; p. 392.
- Larson, Nils E., New York, N. Y. Curtain-hanger clamp. No. 1,085,690; Feb. 3; Gaz. vol. 199; p. 39.
- Larson, Nils E., New York, N. Y. Curtain-pole bracket and clamp. No. 1,087,670; Feb. 17; Gaz. vol. 199; p. 826.
- Larson, Olof L., Chicago, Ill. Soldering-brush. No. 1,117,863; Nov. 17; Gaz. vol. 208; p. 916.
- Larson, Oscar E., Peoria, Ill. Spring-motor. No. 1,118,207; Nov. 24; Gaz. vol. 208; p. 1075.
- Larson, Oscar H., Atwater, Minn. Wheel-guard for hay-racks. No. 1,095,896; May 5; Gaz. vol. 202; p. 245.
- Larson, Oskar, Osakis, Minn. Grip for pulley-coverings. No. 1,114,775; Oct. 27; Gaz. vol. 207; p. 963.
- Larson, Victor F., Detroit, Mich. Cabinet. No. 1,098,120; May 26; Gaz. vol. 202; p. 1139.
- Larter & Sons. (See Rowley, Joseph P., assignor.)
- Lasares, George C., Springfield, Mass. Game apparatus. No. 1,087,956; Feb. 24; Gaz. vol. 199; p. 969.
- Lasares, George C., Springfield, Mass. Toy repeating pistol. No. 1,099,554; June 9; Gaz. vol. 203; p. 451.
- Lasater, William H., Asheville, N. C. Screw. No. 1,084,643; Jan. 20; Gaz. vol. 198; p. 517.
- Lasche, Oscar, Charlottenburg, Germany, assignor to General Electric Company. Wheel for elastic-fluid turbines. No. 1,118,361; Nov. 24; Gaz. vol. 208; p. 1129.
- Laschinski, August, Milwaukee, Wis. Automatic railway-brake control. No. 1,115,691; Nov. 3; Gaz. vol. 208; p. 78.
- Laser, William, St. Louis, Mo. Swimming-glove. No. 1,093,276; Apr. 14; Gaz. vol. 201; p. 431.
- Lashar, Walter B., assignor to Weed Chain Tire Grip Company, Bridgeport, Conn. Tire-grip. No. 1,101,198; June 23; Gaz. vol. 203; p. 1107.
- Lashar, Walter B., assignor to Weed Chain Tire Grip Company, Bridgeport, Conn. Chain-grip-attaching device. No. 1,103,064; July 14; Gaz. vol. 204; p. 340.
- Lasher, Edward C., Griffin Corners, N. Y. Railway-tie. No. 1,122,132; Dec. 22; Gaz. vol. 209; p. 1245.
- Laska, August L. (See Winther, Laska, Zitscher, Kunert, and Acker.)
- Laska, August L., Offenbach-on-the-Main, assignor to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Yellow disazo dyes for cotton and making them. No. 1,094,448; Apr. 28; Gaz. vol. 201; p. 922.
- Laska, August L., and A. Zitscher, Offenbach-on-the-Main, assignors to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Disazo dyestuff. No. 1,091,148; Mar. 24; Gaz. vol. 200; p. 972.
- Laska, August L., and A. Zitscher, Offenbach-on-the-Main, assignors to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Azo dyes from the arylamids of 2,3-oxynaphthoic acid and making them. No. 1,121,026; Dec. 15; Gaz. vol. 209; p. 824.
- Laskey, Philip B., Marblehead, Mass. Power-transmitting device. No. 1,086,674; Feb. 10; Gaz. vol. 199; p. 427.
- Laskey, William B., Marblehead, Mass. Candy and making the same. No. 1,107,325; Aug. 18; Gaz. vol. 205; p. 699.
- Lasko, Henry A., and C. M. Snively, Lancaster, Pa. Slip-casing for radiators. No. 1,113,790; Oct. 13; Gaz. vol. 207; p. 524.
- Laskowski, Frank J., assignor of one-half to F. H. Fried, Allentown, Pa. Folding and reclining chair. No. 1,114,153; Oct. 20; Gaz. vol. 207; p. 690.
- Lasley, Leonard M., Portland, Oreg. Soldering-iron. No. 1,088,286; Feb. 24; Gaz. vol. 199; p. 1084.
- Lass, Johnie, Paton, Iowa. Loading apparatus. No. 1,097,806; May 26; Gaz. vol. 202; p. 1029.
- Lässig, Friedrich W., Chemnitz, Germany. Boring apparatus for embroidering-machines. No. 1,107,622; Aug. 18; Gaz. vol. 205; p. 806.
- Lassiter, Columbus K., Richmond, Va. Manufacture of superheater units. No. 1,083,688; Jan. 6; Gaz. vol. 198; p. 142.
- Lassiter, Columbus K., Richmond, Va. Drilling-machine. No. 1,087,957; Feb. 24; Gaz. vol. 199; p. 970.
- Lassiter, Columbus K., Richmond, Va. Manufacture of superheater units. No. 1,090,551; Mar. 17; Gaz. vol. 200; p. 737.
- Lassman, Johann M., Taganrog, Russia. Lubricating device for journal-boxes. No. 1,104,361; July 21; Gaz. vol. 204; p. 829.
- Lasswell, William H., assignor of two-thirds to J. F. Montgomery, San Antonio, Tex. Spring-hub. No. 1,086,922; Feb. 10; Gaz. vol. 199; p. 514.
- Latella, Anthony J., New York, N. Y. Convertible dumb-bell. No. 1,113,791; Oct. 13; Gaz. vol. 207; p. 524.
- Latey, Harry N., New York, N. Y., assignor to Automatic Train Stop Company. Electric train-control system. No. 1,111,394; Sept. 22; Gaz. vol. 206; p. 1018.
- Latham, Albert. (See Abell, Spencer, assignor.)
- Latham, Albert, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-sewing machine. No. 1,092,580; Apr. 7; Gaz. vol. 201; p. 157.
- Latham, Albert, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Rotary cutter. No. 1,104,910; July 28; Gaz. vol. 204; p. 1070.
- Latham, Harry H., and W. Osterholm, assignors to The Latham Machinery Company, Chicago, Ill. Work-supporting table for wire-stitching machines. No. 1,096,113; May 12; Gaz. vol. 202; p. 356.
- Latham Machinery Company, The. (See Latham and Osterholm, assignors.)
- Latham Machinery Company. (See Weber, Henry, assignor.)
- Latham Machinery Company. (See Weber, Henry, Jr., assignor.)
- Latham Machinery Company. (See Weber and Osterholm, assignors.)
- Latham, William, Kiambu, Nairobi, British East Africa. Cultivating-machine. No. 1,110,393; Sept. 15; Gaz. vol. 206; p. 626.
- Lather, Henry, Huron, S. D. Apparatus for relieving steam of water before passing to the cylinder of an engine. No. 1,116,596; Nov. 10; Gaz. vol. 208; p. 431.
- Lathrop, Frank L. (See Edsall and Lathrop.)
- Lathrop, Frank L., assignor to H. L. Judd Company, Wallingford, Conn. Curtain-support. No. 1,095,646; May 5; Gaz. vol. 202; p. 161.
- Lathrop, Russell, U. S. Army. Puzzle. No. 1,085,050; Jan. 20; Gaz. vol. 198; p. 655.
- Latimer, Hugh F., Hyattsville, Md. Window-screen. No. 1,110,500; Sept. 15; Gaz. vol. 206; p. 664.
- Latimer, James H., Weinert, Tex. Silo-chute. No. 1,094,726; Apr. 28; Gaz. vol. 201; p. 1023.
- Latour, Marius C. A., Paris, France, assignor to General Electric Company. Speed-indicator for continuous or alternating current motors. No. 1,117,144; Nov. 10; Gaz. vol. 208; p. 623.
- Latrobe Tool Company. (See Moore, John B., assignor.)
- Latta, Emmet G., Syracuse, N. Y. Type-writing machine. No. 1,115,077; Oct. 27; Gaz. vol. 207; p. 1071.
- Latta, John W., assignor of one-half to J. C. Barnes, Lecompte, La. Switch-lug. No. 1,102,931; July 7; Gaz. vol. 204; p. 246.
- Lattau, Arthur, New York, N. Y. Automatic photographing apparatus. No. 1,092,273; Apr. 7; Gaz. vol. 201; p. 51.
- Latten, Matthias. (See Blank and Latten.)
- Lattig, Jacob W., Glenside, Pa., and C. L. Goodrum, Urbana, Ohio, assignors, by mesne assignments, to Western Electric Company, New York, N. Y. Automatic telephone-exchange system. (Reissue.) No. 13,742; June 2; Gaz. vol. 203; p. 266.
- Latus, Elmer J. (See Schoentag and Latus.)
- Laub, George M., Newark, N. J. Garment-cutting apparatus. No. 1,103,364; July 14; Gaz. vol. 204; p. 444.
- Laubach, Hiram F., Tacoma, Wash. Combined union and valve. No. 1,093,706; Apr. 21; Gaz. vol. 201; p. 617.
- Lauber, Henry M., Savannah, Mo. Hog-feeder. No. 1,099,063; June 2; Gaz. vol. 203; p. 236.
- Lauber, Otto, Bredene, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Detachable spade for wheeled gun-carriages. No. 1,090,077; Mar. 10; Gaz. vol. 200; p. 529.
- Laude, William H., and F. Puleston, Monticello, Iowa. Necktie-fastener. No. 1,094,795; Apr. 28; Gaz. vol. 201; p. 1046.
- Lauderdale, Chapin F., Portland, Oreg. Sanitary shield for dental instruments. No. 1,093,865; Apr. 21; Gaz. vol. 201; p. 668.
- Lauderdale, John A. (See Maddux, Jesse D., assignor.)
- Laudermilch, George M., Derry Church, Pa. Railway-tie. No. 1,090,482; Mar. 17; Gaz. vol. 200; p. 713.

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- Lauer, Victor, Stillwater, Okla. Two-row header. No. 1,104,911; July 28; Gaz. vol. 204; p. 1070.
- Lauesen, Albert C., assignor to Illinois Modern Button & Machine Company, Chicago, Ill. Press for making buttons. No. 1,092,492; Apr. 7; Gaz. vol. 201; p. 128.
- Laufer, Rudolf. (See Huttenlocher and Laufer.)
- Laufer, Wolf, Cracow, Austria-Hungary. Production of artificial stone from natural-rock waste. No. 1,094,727; Apr. 28; Gaz. vol. 201; p. 1024.
- Laufer, Walter S., New Matamoras, Ohio. Antiskidding attachment for automobile-tires. No. 1,115,692; Nov. 3; Gaz. vol. 208; p. 78.
- Laughlin, Alexander. (See Reuleaux, Josef, assignor.)
- Laughlin, Elmyr A., Chicago, Ill. Center-bearing. No. 1,112,012; Sept. 29; Gaz. vol. 206; p. 1267.
- Laughlin, Elmyr A., Chicago, Ill. Side bearing. No. 1,112,013; Sept. 29; Gaz. vol. 206; p. 1268.
- Laughlin, Elmyr A., Chicago, Ill. Fire-grate. No. 1,118,501; Nov. 24; Gaz. vol. 208; p. 1179.
- Laughlin, Lucy. (See Jackson, Henry, assignor.)
- Laughlin, Robert S., assignor to The Thomas Laughlin Co., Portland, Me. Split link for chains. No. 1,118,657; Nov. 24; Gaz. vol. 208; p. 1234.
- Laughon, Ernest E., assignor of one-third to J. T. Jarrett, Portsmouth, Va. Car-door. No. 1,113,792; Oct. 13; Gaz. vol. 207; p. 525.
- Laughlin, George, Savanna, Ill. Hoisting mechanism. No. 1,093,707; Apr. 21; Gaz. vol. 201; p. 617.
- Lauhoff, Frank, Detroit, Mich., assignor to The American Tobacco Company. Machine for treating tobacco-stems. No. 1,099,260; June 9; Gaz. vol. 203; p. 348.
- Laukhuff, Alfred, Duisburg, Germany. Traveling crane. No. 1,093,057; Apr. 14; Gaz. vol. 201; p. 354.
- Laula, Heinrich, Vienna, Austria-Hungary. Sewing-machine for making thread buttons. No. 1,105,354; July 28; Gaz. vol. 204; p. 1226.
- Lauler, Joseph, *et al.* (See McKenzie, Thomas W., assignor.)
- Lauletta, Nicholas, Philadelphia, Pa. Table or counter attachment. No. 1,113,793; Oct. 13; Gaz. vol. 207; p. 525.
- Laun, Ernest E., and O. Kitchell, Chicago, Ill. Self-acting turn-table. No. 1,118,653; Nov. 24; Gaz. vol. 208; p. 1234.
- Laun, Justus. (See Corcoran, John, assignor.)
- Laun, Justus, Chicago, Ill. Mortar-mixer. No. 1,118,659; Nov. 24; Gaz. vol. 208; p. 1235.
- Launbranch, Malcolm E., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Signaling system. No. 1,117,864; Nov. 17; Gaz. vol. 208; p. 917.
- Laurance, Lionel E., Stites, Idaho. Sectional steering-wheel. No. 1,093,441; Apr. 14; Gaz. vol. 201; p. 485.
- Laurence, Robert T., *et al.* (See Bayley, Emery S., assignor.)
- Laurent, Augustus D., Westfield, N. J. Tire. No. 1,109,427; Sept. 1; Gaz. vol. 206; p. 203.
- Laurent, Eugène, St. Etienne, Loire, France. Wheel-rim. No. 1,105,524; July 28; Gaz. vol. 204; p. 1285.
- Laurent, John W., assignor of one-third to W. Kellenger, Spokane, Wash. Current-motor. No. 1,114,489; Oct. 20; Gaz. vol. 207; p. 813.
- Laurent, Olex B., New Roads, La. Curtain-shade roller. No. 1,106,227; Aug. 4; Gaz. vol. 205; p. 223.
- Laurenti, Cesare, assignor to Società Fiat-San Giorgio, Spezia, Italy. Submarine tender. No. 1,113,450; Oct. 13; Gaz. vol. 207; p. 406.
- Laurenti, Cesare, assignor to Società Anonima Fiat-San Giorgio, Spezia, Italy. Submarine vessel. No. 1,120,392; Dec. 8; Gaz. vol. 209; p. 553.
- Lauri, Isaac, Floodwood, Minn. Floor-clamping device. No. 1,094,449; Apr. 28; Gaz. vol. 201; p. 923.
- Laurich, Joseph, Springfield, Mass. Automobile-hinge. No. 1,118,938; Dec. 1; Gaz. vol. 209; p. 11.
- Laursen, Laurits A., Eau Claire, Wis. Hydraulic motor. No. 1,116,083; Nov. 3; Gaz. vol. 208; p. 211.
- Laus, Joseph, Jr., Oshkosh, Wis. Automobile-wheel. No. 1,118,785; Nov. 24; Gaz. vol. 208; p. 1276.
- Laus, Joseph, Jr., Oshkosh, Wis. Pneumatic wheel. No. 1,118,786; Nov. 24; Gaz. vol. 208; p. 1276.
- Lauster, August P., Brooklyn, N. Y., assignor, by mesne assignments, to J. F. O'Brien, West New York, N. J. Apparatus for playing games. No. 1,117,959; Nov. 17; Gaz. vol. 208; p. 949.
- Lausterer, William J., Jamestown, N. Y., assignor, by mesne assignments, to Empire Voting Machine Company. Interlocking mechanism for voting-machines. No. 1,084,092; Jan. 13; Gaz. vol. 198; p. 306.
- Lautenbacher, Jeremiah C., and A. Geary, Schuylkill Haven, Pa. Cover-retainer for receptacles. No. 1,094,911; Apr. 28; Gaz. vol. 201; p. 1085.
- Lautenbacher, Jeremiah C., and A. Geary, Schuylkill Haven, Pa. Shock-absorber for automobiles. No. 1,098,271; May 26; Gaz. vol. 202; p. 1191.
- Lautenbacher, Jeremiah C., and A. Geary, Schuylkill Haven, Pa. Antiskidding or emergency brake for automobiles. No. 1,102,932; July 7; Gaz. vol. 204; p. 246.
- Lautenbacher, Jeremiah C., and A. Geary, Schuylkill Haven, Pa. Non-refillable bottle. No. 1,103,675; July 14; Gaz. vol. 204; p. 557.
- Lautenburg, Joseph, New York, N. Y. Dental impression-tray. No. 1,084,017; Jan. 13; Gaz. vol. 198; p. 281.
- Lautenburg, Joseph, New York, N. Y. Retaining means for sets of teeth. No. 1,091,852; Mar. 31; Gaz. vol. 200; p. 1255.
- Lautenschlager, William F. (See Muther and Lautenschlager.)
- Lautenschlager, William F., Cincinnati, Ohio. Folding-machine. No. 1,121,851; Dec. 22; Gaz. vol. 209; p. 1148.
- Lautenschlager, William F., Cincinnati, Ohio. Folding-machine. No. 1,121,852; Dec. 22; Gaz. vol. 209; p. 1149.
- Lauter Co. (See Lynde, Frank G., assignor.)
- Lauter, Ignatz, assignor of one-half to J. Snyder, New York, N. Y. Water-massage device. No. 1,101,804; June 30; Gaz. vol. 203; p. 1367.
- Lauterbach, Henry T., Earlville, Ill. Disk colter. No. 1,087,789; Feb. 17; Gaz. vol. 199; p. 865.
- Lauterbach, Henry T., Earlville, Ill. Disk colter. No. 1,087,790; Feb. 17; Gaz. vol. 199; p. 865.
- Lauterbach, Henry T., Earlville, Ill. Disk colter. No. 1,097,339; May 19; Gaz. vol. 202; p. 823.
- Lauth, Jacob, Chicago, Ill. Clutch mechanism. No. 1,091,149; Mar. 24; Gaz. vol. 200; p. 972.
- Lauth, John C., Rochester, N. Y. Antisiphon-trap. No. 1,097,865; May 26; Gaz. vol. 202; p. 1049.
- Lautz, Arthur, Buffalo, N. Y. Stone-cutting machine. No. 1,097,034; May 19; Gaz. vol. 202; p. 714.
- Lautz, Bernhard G., and G. E. Fillmore, Buffalo, N. Y. Hose-clamp pliers. No. 1,119,437; Dec. 1; Gaz. vol. 209; p. 185.
- Laux, Mathias, assignor to Aero-Gas Machine Company, St. Louis, Mo. Oil-pumping apparatus for gas-machines. No. 1,091,357; Mar. 24; Gaz. vol. 200; p. 1040.
- Laux, Mathias, assignor to Aero-Gas Machine Company, St. Louis, Mo. Oil-measuring device for gas-machines. No. 1,109,768; Sept. 8; Gaz. vol. 206; p. 363.
- Lavarack, Frederick C., Orange, N. J. Bonding-pin. No. 1,097,340; May 19; Gaz. vol. 202; p. 823.
- Lavelle, Patrick, Johnstown, Pa. Resilient tire for vehicles. No. 1,088,596; Feb. 24; Gaz. vol. 199; p. 1184.
- Lavers, John H., Kearsarge, Mich. Sprag. No. 1,085,691; Feb. 3; Gaz. vol. 199; p. 39.
- Lavery, Philip, Webster, and W. E. Bandlow, Dudley, Mass. Telephone system. No. 1,085,615; Feb. 3; Gaz. vol. 199; p. 12.
- Lavigne, Charlie G., Brunswick, Me., assignor to The Stafford Company, Readville, Mass. Shuttle-adjusting mechanism for weft-changing looms. No. 1,105,146; July 28; Gaz. vol. 204; p. 1149.
- Lavine, H. S. (See Mayo, Robert D. and R. D., assignors.)
- Laviolette, Albert J., New York, N. Y. Visible-title-plate file-holder. No. 1,115,216; Oct. 27; Gaz. vol. 207; p. 1121.
- Laviolette, Joseph, Amsterdam, Netherlands. Transmission-gear for motor-vehicles. No. 1,104,809; July 28; Gaz. vol. 204; p. 1034.
- Lavo, Edward A., assignor of one-half to H. L. Crown and one-half to S. Raaberg, Chicago, Ill. Automatic weighing-scale. No. 1,117,678; Nov. 17; Gaz. vol. 208; p. 852.
- Lavoie, Edward, Kankakee, Ill. Cultivator. No. 1,091,358; Mar. 24; Gaz. vol. 200; p. 1040.
- Law, Albert, Brooklyn, N. Y. Bolt-anchor. No. 1,119,843; Dec. 8; Gaz. vol. 209; p. 360.
- Law, Duff C., Roxboro, assignor to American Artograph Company, Philadelphia, Pa. Film-perforating device for moving-picture-taking machines. No. 1,086,376; Feb. 10; Gaz. vol. 199; p. 323.
- Law, Fred A., Rochester, N. Y., assignor to The Columbia Motor Car Company. Gearing. No. 1,098,912; June 2; Gaz. vol. 203; p. 189.
- Lawler, James J., Pelham, N. Y. Illuminated tile for vaults, &c. No. 1,097,650; May 26; Gaz. vol. 202; p. 972.
- Lawler, James J., Pelham, N. Y. Urinal. No. 1,101,703; June 30; Gaz. vol. 203; p. 1331.
- Lawler, Justus C., Trinidad, Colo. Internal-combustion engine. No. 1,111,074; Sept. 22; Gaz. vol. 206; p. 908.
- Lawler, Thomas A., assignor of one-half to W. Murphy, Granville, N. Y. Door-check. No. 1,122,133; Dec. 22; Gaz. vol. 209; p. 1245.
- Lawler, William F., Anderson, Ind. Fodder-loading apparatus. No. 1,103,326; July 14; Gaz. vol. 204; p. 431.
- Lawless, Christopher J., Lincoln, Nebr. Hinge-door. No. 1,084,154; Jan. 13; Gaz. vol. 198; p. 327.
- Lawless, Christopher J., Lincoln, Nebr. Silo-door frame. No. 1,093,635; Apr. 21; Gaz. vol. 201; p. 591.
- Lawless, Christopher J., Lincoln, Nebr. Silo-door. No. 1,093,636; Apr. 21; Gaz. vol. 201; p. 591.
- Lawless, Michael J., Omaha, Nebr. Cover-fastening device for receptacles. No. 1,108,765; Aug. 25; Gaz. vol. 205; p. 1249.
- Lawless, Thomas C., Garden City, La. Bracket. No. 1,116,597; Nov. 10; Gaz. vol. 208; p. 431.
- Lawlor, John J., *et al.* (See Thurston, William T., assignor.)

Alphabetical list of patentees—Continued.

- Lawlor, Michael W., Needham Heights, assignor of one-half to Ideal Can Company, Incorporated, Boston, Mass. Poultry-feeder. No. 1,114,892; Oct. 27; Gaz. vol. 207; p. 1004.
- Lawlor, Simeon C., Chicago, Ill. Mop-wringer. No. 1,085,346; Jan. 27; Gaz. vol. 198; p. 796.
- Lawn, William E., assignor to Automatic Railroad Appliances Company, Inc., Rochester, N. Y. Automatic train-stop. No. 1,110,214; Sept. 8; Gaz. vol. 206; p. 522.
- Lawnin, Albert W., St. Louis, Mo., assignor of one-half to L. W. Lawnin, Edwardsville, Ill. Liquid-soap dispenser. No. 1,103,521; July 14; Gaz. vol. 204; p. 496.
- Lawnin, Louis W. (See Lawnin, Albert W., assignor.)
- Lawrence, Albert H., St. Louis, Mo., assignor to E. Hewson, Churn. No. 1,090,483; Mar. 17; Gaz. vol. 200; p. 714.
- Lawrence, Albert L. (See Flagge, Philipp F., assignor.)
- Lawrence, Alfred, assignor to Hoskins and Sewell Limited, Birmingham, England. Means for moving bedsteads. No. 1,085,444; Jan. 27; Gaz. vol. 198; p. 828.
- Lawrence, Alfred, assignor to Hoskins and Sewell Limited, Birmingham, England. Corner-fitting of metallic bedsteads and cots. No. 1,095,892; May 5; Gaz. vol. 202; p. 244.
- Lawrence, Benjamin, Leyton, England. Electric ignition-generator. No. 1,092,370; Apr. 7; Gaz. vol. 201; p. 85.
- Lawrence, Charles, *et al.* (See Keeley, James E., assignor.)
- Lawrence, Charles C., Napoleon, Ind. Mail-catcher. No. 1,115,842; Nov. 3; Gaz. vol. 208; p. 127.
- Lawrence, Charles S., Mount Lowe, Cal. Ratchet tripod-leg. No. 1,093,866; Apr. 21; Gaz. vol. 201; p. 668.
- Lawrence & Co., Lloyd. (See Zeyssoff, Paul, assignor.)
- Lawrence, Edward H., Cameron, W. Va. Float-valve. No. 1,119,291; Dec. 1; Gaz. vol. 209; p. 134.
- Lawrence, Edward M., Lubec, Me. Egg-carton. No. 1,121,735; Dec. 22; Gaz. vol. 209; p. 1107.
- Lawrence, Edwin O., Port Jefferson Station, N. Y. Cess-pool. No. 1,102,674; July 7; Gaz. vol. 204; p. 158.
- Lawrence, Frank G., assignor, by mesne assignments, of two-thirds to Lawrence Heat Distributor Company, Indianapolis, Ind. Attachment for stoves. No. 1,096,039; May 12; Gaz. vol. 202; p. 331.
- Lawrence, Frederick W., *et al.* (See Pierce, Joseph, assignor.)
- Lawrence, George, Melrose Park, Ill. Wagon-starter. No. 1,096,378; May 12; Gaz. vol. 202; p. 447.
- Lawrence, George E., assignor to Hydro Manufacturing Company, Philadelphia, Pa. Electric make-and-break device. No. 1,103,916; July 14; Gaz. vol. 204; p. 635.
- Lawrence, George H., New York, N. Y. Balance-rail pin for pianos. No. 1,118,939; Dec. 1; Gaz. vol. 209; p. 11.
- Lawrence, Harry, Callaway, Minn. Stove-lid lifter. No. 1,103,780; July 14; Gaz. vol. 204; p. 589.
- Lawrence, Harry O., Chicago, Ill. Flying-machine. No. 1,084,552; Jan. 13; Gaz. vol. 198; p. 457.
- Lawrence Heat Distributor Company. (See Lawrence, Frank G., assignor.)
- Lawrence, Henrietta W., Baltimore, Md. Gas-range. No. 1,098,272; May 26; Gaz. vol. 202; p. 1192.
- Lawrence, Jacob A., Valparaiso, Ind. Snow-plow. No. 1,100,021; June 16; Gaz. vol. 203; p. 646.
- Lawrence, James, London, England, assignor to Electric Heat Storage Company. Electric cooking apparatus. No. 1,090,924; Mar. 24; Gaz. vol. 200; p. 893.
- Lawrence, John. (See Newcomb, David L., assignor.)
- Lawrence, John H., assignor to J. J. Geisen, Covington, Ky. Electrical switch. No. 1,118,024; Nov. 24; Gaz. vol. 208; p. 1011.
- Lawrence, John T., Inman, S. C. Cotton-picker's bag. No. 1,099,064; June 2; Gaz. vol. 203; p. 237.
- Lawrence, Joseph L., Toronto, Ontario, Canada. Door-stop. No. 1,113,358; Oct. 13; Gaz. vol. 207; p. 373.
- Lawrence, Leo W., and F. F. Bahnson, Winston-Salem, N. C. Treating tobacco. No. 1,113,902; Oct. 13; Gaz. vol. 207; p. 563.
- Lawrence, Lewis M., Birmingham, Ala. Bumping-post. No. 1,091,150; Mar. 24; Gaz. vol. 200; p. 973.
- Lawrence Manufacturing Company. (See Paquette, Exilias, assignor.)
- Lawrence Manufacturing Company. (See Walker, Everett H., assignor.)
- Lawrence Manufacturing Company Limited, The. (See Sholes, Zalmom G., assignor.)
- Lawrence Manufacturing Company Limited, The. (See Sholes and Frazz, assignors.)
- Lawrence, Maximilian R., Manchester, England. Carbureter for internal-combustion engines. No. 1,088,231; Feb. 24; Gaz. vol. 199; p. 1064.
- Lawrence, Merl E., Maiden Rock, Wis. Locket. No. 1,100,022; June 16; Gaz. vol. 203; p. 647.
- Lawrence, Percy A. (See Lehman and Lawrence.)
- Lawrence, Richard W., *et al.*, executors. (See Southgate, Louis W.)
- Lawrence, Walter G., Winton, England. Window. No. 1,109,769; Sept. 8; Gaz. vol. 206; p. 363.
- Lawrence, Warren L., Eureka, and W. Noonon, Tremont, Ill. Casket. No. 1,096,816; May 12; Gaz. vol. 202; p. 594.
- Lawrence, William H., Aberdeen, Saskatchewan, Canada. Wagon-rack. No. 1,099,555; June 9; Gaz. vol. 203; p. 451.
- Lawrence, William W., Sioux City, Iowa. Milk-pail cover. No. 1,121,261; Dec. 15; Gaz. vol. 209; p. 907.
- Lawrence, Willis, Yonkers, N. Y. Lubricator. No. 1,099,608; June 9; Gaz. vol. 203; p. 468.
- Lawrenz, Emil, Detroit, Mich. Street-car-door lock. No. 1,092,493; Apr. 7; Gaz. vol. 201; p. 129.
- Laws, Benjamin A., J. McElwain, and M. M. Laird, Pittsburgh, Pa., assignors to Wheeling Gum Company, Wheeling, W. Va. Apparatus for filling confections. No. 1,118,362; Nov. 24; Gaz. vol. 208; p. 1129.
- Laws, Eugene H., Salida, assignor to The Ohio and Colorado Smelting & Refining Company, Denver, Colo. Sintering-machine. No. 1,097,592; May 19; Gaz. vol. 202; p. 907.
- Lawson, Benjamin S., assignor to A. L. Merrick, Syracuse, N. Y. Thrust-bearing. No. 1,084,582; Jan. 13; Gaz. vol. 198; p. 469.
- Lawson, Clarence J., Plainfield, N. J., assignor to Columbia Machine & Stopper Corporation. Machine for applying bottle-closures. No. 1,095,406; May 5; Gaz. vol. 202; p. 79.
- Lawson, Clarence J., Plainfield, N. J., assignor to Columbia Machine & Stopper Corporation. Apparatus for delivering bottle-closures. No. 1,095,407; May 5; Gaz. vol. 202; p. 80.
- Lawson Composite Stone Company, The. (See Hackett, Thomas P., assignor.)
- Lawson, Franklin A., Trout Run, Pa. Card-holder. No. 1,106,954; Aug. 11; Gaz. vol. 205; p. 523.
- Lawson, Frans O. (See Wright and Lawson.)
- Lawson, Harry C., McGregor, Tex. Ratchet-wrench. No. 1,119,292; Dec. 1; Gaz. vol. 209; p. 135.
- Lawson, Jasper C., San Francisco, Cal. Valve-indicator. No. 1,103,917; July 14; Gaz. vol. 204; p. 636.
- Lawson, John. (See Beacroft and Lawson.)
- Lawson, John, Central Falls, R. I. Automatic circular-knitting machine. No. 1,111,844; Sept. 29; Gaz. vol. 206; p. 1212.
- Lawson, Joseph A., *et al.* (See Coty, Alfred C., assignor.)
- Lawson Manufacturing Company. (See Parisen, Robert T., assignor.)
- Lawson Manufacturing Company. (See Tobias, John M., assignor.)
- Lawson, Neal, Los Angeles, Cal. Collapsible boat. No. 1,114,996; Oct. 27; Gaz. vol. 207; p. 1042.
- Lawson, Samuel C., assignor of one-third to P. Arbon and one-third to J. E. Prosser, Tulsa, Okla. Well-drill-feeding mechanism. No. 1,098,273; May 26; Gaz. vol. 202; p. 1192.
- Lawson, William E., Rahway, N. J. Safety-razor. No. 1,116,448; Nov. 10; Gaz. vol. 208; p. 375.
- Lawton, Burton L. (See Wilcox and Lawton.)
- Lawton, Burton L., Meriden, Conn. Bearing. No. 1,093,194; Apr. 14; Gaz. vol. 201; p. 403.
- Lawton, John, Irvington, assignor to The Notwal Company, Newark, N. J. Trolley-guard. No. 1,106,823; Aug. 11; Gaz. vol. 205; p. 477.
- Lawton, Robert W., San Francisco, Cal. Hydrocarbon-burner. No. 1,105,804; Aug. 4; Gaz. vol. 205; p. 75.
- Lay, William F., Boston, Mass. Massage-vibrator. No. 1,094,663; Apr. 28; Gaz. vol. 201; p. 1000.
- Laycock, Gilbert. (See McGinley and Laycock.)
- Laycock, Harry A., Schenectady, N. Y., assignor to General Electric Company. Load-distributing apparatus. No. 1,096,930; May 19; Gaz. vol. 202; p. 678.
- Laycock, Harry A., Schenectady, N. Y., assignor to General Electric Company. Speed-regulator. No. 1,100,748; June 23; Gaz. vol. 203; p. 949.
- Laycock, Harry A., Schenectady, N. Y., assignor to General Electric Company. Control system. No. 1,109,235; Sept. 1; Gaz. vol. 206; p. 134.
- Laycock, Harry A., Schenectady, N. Y., assignor to General Electric Company. Regulating system. No. 1,109,236; Sept. 1; Gaz. vol. 206; p. 135.
- Laycock, Harry A., Schenectady, N. Y., assignor to General Electric Company. Contact-making voltmeter. No. 1,119,616; Dec. 1; Gaz. vol. 209; p. 247.
- Laycock, William E., Sheffield, England. Sash-balance. No. 1,118,561; Nov. 24; Gaz. vol. 208; p. 1201.
- Layland, William E. (See Whitehead, Layland, and Gal-laway.)
- Layman, Florence P. and H. D., Hoboken, N. J. Refrigerator attachment. No. 1,090,925; Mar. 24; Gaz. vol. 200; p. 893.
- Layman, Hiram D. (See Layman, Florence P. and H. D.)
- Layne, Mahlon E., Houston, Tex. Well-screen. No. 1,088,078; Feb. 24; Gaz. vol. 199; p. 1013.
- Layne, William R., Los Angeles, Cal. Heater for gaseous fuel. No. 1,100,894; June 23; Gaz. vol. 203; p. 1000.
- Layton, William, and C. R. Lowe, assignors to Garrett Go-Cart & Carriage Company, Chicago, Ill. Child's folding carriage. No. 1,109,848; Sept. 8; Gaz. vol. 206; p. 390.
- Lazar, Solomon. (See Aicher and Lazar.)
- Lazar, Solomon, San Francisco, Cal. Paper-folding machine. No. 1,122,511; Dec. 29; Gaz. vol. 209; p. 1412.
- Lazarus, Maude E. (See Lazarus, Samuel and M. E.)

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- Lazarus, Samuel and M. E., New York, N. Y. Sanitary portable dressing-room. No. 1,100,310; June 16; Gaz. vol. 203; p. 748.
- Le Baron, Charles S., New York, N. Y. Lubricator for elevator guide-rails. No. 1,118,295; Nov. 24; Gaz. vol. 208; p. 1104.
- Le Baron, John F., Chardon, Ohio. Expansion-joint for concrete structures. No. 1,090,158; Mar. 17; Gaz. vol. 200; p. 599.
- Le Beau, Ernest A., assignor to Chicago Railway Equipment Company, Chicago, Ill. Side bearing for railway-cars. No. 1,106,824; Aug. 11; Gaz. vol. 205; p. 477.
- Le Blanc, Simeon S. (See Fournet and Le Blanc.)
- Le Blond, Richard K., and W. F. Groene, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Variable-speed mechanism. No. 1,090,484; Mar. 17; Gaz. vol. 200; p. 714.
- Le Blond, Richard K., and W. F. Groene, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Lathe. No. 1,113,223; Oct. 13; Gaz. vol. 207; p. 324.
- Le Boeuf, Arthur W., Woonsocket, R. I., assignor to Electric Compositor Company, New York, N. Y. Escapement mechanism for line-casting machines. No. 1,108,378; Aug. 25; Gaz. vol. 205; p. 1117.
- Le Boeuf, Arthur W., Woonsocket, R. I., assignor to Electric Compositor Company, New York, N. Y. Slug-delivery mechanism for line-casting machines. No. 1,112,628; Oct. 6; Gaz. vol. 207; p. 78.
- Le Brocq, Richard F., New York, N. Y. Safety device for elevator cars and doors. No. 1,120,724; Dec. 15; Gaz. vol. 209; p. 718.
- Le Bron, Roderick, *et al.* (See Lynnequest, Victor, assignor.)
- Le Clair, George E., Flint, Mich. Attachment for bottles or jars. No. 1,115,444; Oct. 27; Gaz. vol. 207; p. 1196.
- Le Clair, Louis J. (See McLaren and Le Clair.)
- Le Clair, Sanford D., San Francisco, Cal. Scraper. No. 1,120,824; Dec. 15; Gaz. vol. 209; p. 753.
- Le Compte, Edward P., Park City, Utah. Beet-harvester. No. 1,117,065; Nov. 10; Gaz. vol. 208; p. 596.
- Le Compte, Joseph H., Maywood, assignor of one-half to G. C. Varney, five one-hundredths to E. Kowaleski, and ten one-hundredths to M. M. Heisler, Chicago, Ill. Nut-lock. No. 1,120,393; Dec. 8; Gaz. vol. 209; p. 553.
- Le Dantec, Louis M., Paris, France. Screw-propeller. No. 1,115,946; Nov. 3; Gaz. vol. 208; p. 163.
- Le Doux, Hector, Worcester, Mass., assignor to Crompton & Knowles Loom Works. Woven pile fabric. No. 1,096,510; May 12; Gaz. vol. 202; p. 491.
- Le Duc, Constant, Chatsworth, N. J. Implement for stopping pneumatic-tired vehicles. No. 1,094,226; Apr. 21; Gaz. vol. 201; p. 789.
- Le Ford, Amelia E., Boston, Mass. Stocking and glove darning and mending last. No. 1,087,792; Feb. 17; Gaz. vol. 199; p. 866.
- Le Furge, William P., deceased; H. M. Dutcher, administrator, assignor to The Adchair Company, Philadelphia, Pa. Advertising chair-arm. No. 1,094,154; Apr. 21; Gaz. vol. 201; p. 766.
- Le Gendre, Henry E., Creskill, N. J. Pneumatic tool. No. 1,083,369; Jan. 6; Gaz. vol. 198; p. 36.
- Le May, George J., Unionville, Conn. Valve. No. 1,109,169; Sept. 1; Gaz. vol. 206; p. 112.
- Le Pierre, Auguste M., Korbél, Cal. Nut-lock. No. 1,092,534; Apr. 7; Gaz. vol. 201; p. 141.
- Le Pierre, Auguste M., Korbél, Cal. Reversible hat. No. 1,111,659; Sept. 22; Gaz. vol. 206; p. 1110.
- Le Pierre, Auguste M., Korbél, Cal. Nut-lock. No. 1,115,694; Nov. 3; Gaz. vol. 208; p. 79.
- Le Pontois, Leon J., New Rochelle, N. Y., assignor of one-half to B. Hurd, Nutley, N. J. Automatic controlling means for reversing combustion-engines. No. 1,094,591; Apr. 28; Gaz. vol. 201; p. 972.
- Le Pontois, Leon J., New Rochelle, N. Y., assignor, by mesne assignments, to H. W. Johns. Inductor-magneto alternator. No. 1,098,452; June 2; Gaz. vol. 203; p. 34.
- Le Rond, Louis J. J., Paris, France. Thermic motor. No. 1,099,149; June 2; Gaz. vol. 203; p. 265.
- Le Roy, Harry E., Columbia, Pa. Flying dart. No. 1,115,078; Oct. 27; Gaz. vol. 207; p. 1072.
- Le Roy, Jean A., New York, N. Y. Kinetoscope-shutter-setting device. No. 1,102,767; July 7; Gaz. vol. 204; p. 190.
- Le Roy, Vanallen P., Newburgh, N. Y. Repair-patch for pneumatic tires. No. 1,102,061; June 30; Gaz. vol. 203; p. 1458.
- Le Sieur, St. Vrain, assignor to The Le Sieur Vacuum Can Manufacturing Company, East St. Louis, Ill. Vacuum-jacketed milk-can. No. 1,084,453; Jan. 13; Gaz. vol. 198; p. 424.
- Le Sieur, St. Vrain, assignor to The Le Sieur Vacuum Can Manufacturing Company, East St. Louis, Ill. Vacuum milk-can. No. 1,119,968; Dec. 8; Gaz. vol. 209; p. 403.
- Le Sieur Vacuum Can Manufacturing Company, The. (See Le Sieur, St. Vrain, assignor.)
- Le Vey, Albur J., London, England. Ladder-support. No. 1,110,700; Sept. 15; Gaz. vol. 206; p. 735.
- Le Wright, Roy L., New Duluth, Minn. Non-refillable bottle. No. 1,087,267; Feb. 17; Gaz. vol. 199; p. 684.
- Lea, Charles, Boston, Mass., assignor to American Warp Drawing Machine Company. Variable-speed-transmission mechanism. No. 1,090,401; Mar. 17; Gaz. vol. 200; p. 684.
- Lea, Donald H., Westmere Post Office, near Wanganui, New Zealand. Tool for uncapping honey and like purposes. No. 1,104,053; July 21; Gaz. vol. 204; p. 724.
- Lea, Frederick M. (See Lea, Richard N. and F. M.)
- Lea, James E., Manchester, England. Meter or measuring instrument. No. 1,112,459; Oct. 6; Gaz. vol. 207; p. 16.
- Lea, Richard H., and C. H. Ingall, Coventry, England. Mounting the wheels of velocipedes and the like. No. 1,096,634; May 12; Gaz. vol. 202; p. 532.
- Lea, Richard N., Manitou, Manitoba, Canada, and F. M. Lea, Birmingham, England. Seed or like drill. No. 1,105,570; July 28; Gaz. vol. 204; p. 1300.
- Leach, Albert L., Burden, Kans. Acetylene-gas generator. No. 1,090,994; Mar. 24; Gaz. vol. 200; p. 918.
- Leach, Arthur, Coal City, Ill. Shoe-button. No. 1,101,295; June 23; Gaz. vol. 203; p. 1140.
- Leach, Benjamin, assignor to The Keighley Company, Vineland, N. J. Tip-measuring machine. No. 1,098,274; May 26; Gaz. vol. 202; p. 1193.
- Leach, Charles E. and E. C., West Peabody, assignors to C. E. Leach & Co., Lynn, Mass. Shoe-heel-reducing device. No. 1,114,154; Oct. 20; Gaz. vol. 207; p. 691.
- Leach & Co., Charles E. (See Leach, Charles E. and E. C., assignors.)
- Leach, Ernest C. (See Leach, Charles E. and E. C.)
- Leach, Frederick I., Lynn, Mass. Automatic train-stop. No. 1,115,443; Oct. 27; Gaz. vol. 207; p. 1196.
- Leach and Garner Company. (See Kirby, James, assignor.)
- Leach, Harvey E., assignor of one-half to J. A. Burger, Miles City, Mont. Air cleansing and humidifying machine. No. 1,100,677; June 16; Gaz. vol. 203; p. 869.
- Leach, James A., Ada, Ohio. Sanitary cheese-case. No. 1,102,060; June 30; Gaz. vol. 203; p. 1458.
- Leach, John A., Jr., Effingham, S. C. Pneumatic tire and fastener therefor. No. 1,090,727; Mar. 17; Gaz. vol. 200; p. 794.
- Leach, Paul F., Wollaston, Mass., assignor to Moore Filter Company, New York, N. Y. Cleaning filter-leaves. No. 1,101,639; June 30; Gaz. vol. 203; p. 1310.
- Leach, Winfield W., assignor to Western Electric Company, Chicago, Ill. Coin-controlled automatic telephone-exchange system. No. 1,108,194; Aug. 25; Gaz. vol. 205; p. 1052.
- Leadbeater, Frederick, Detroit, Mich. Valve. (Reissue.) No. 13,854; Dec. 29; Gaz. vol. 209; p. 1662.
- Leadbeter, Richard A., assignor to The Farrand Company, Detroit, Mich. Expression device for pneumatically-operated musical instruments. No. 1,103,213; July 14; Gaz. vol. 204; p. 394.
- Leadbeter, Richard A., assignor to Farrand Company, Detroit, Mich. Automatic playing mechanism for grand pianos. No. 1,108,997; Sept. 1; Gaz. vol. 206; p. 49.
- Leadbeter, Richard A., assignor to The Farrand Company, Detroit, Mich. Control mechanism for self-playing musical instruments. No. 1,111,799; Sept. 29; Gaz. vol. 206; p. 1197.
- Leadbeter, Richard A., assignor to The Farrand Company, Detroit, Mich. Pneumatic action for automatically-operated musical instruments. No. 1,118,294; Nov. 24; Gaz. vol. 208; p. 1104.
- League, James H. (See Heafer and League.)
- Leahy, Thomas F., Poughkeepsie, N. Y. Pants-press. No. 1,112,922; Oct. 6; Gaz. vol. 207; p. 178.
- Leahy, Herbert V. (See Ricketts and Leahy.)
- Leahy, Thomas F., Evanston, Ill. Card register and cabinet. No. 1,089,484; Mar. 10; Gaz. vol. 200; p. 325.
- Leahy, Thomas W., Superior, Wis. Rail-handling truck. No. 1,099,926; June 16; Gaz. vol. 203; p. 614.
- Leak, Clarence, Bruceville, Ind. Shocker attachment for binders. No. 1,116,449; Nov. 10; Gaz. vol. 208; p. 375.
- Leake, Richard C. (See Geer and Leake.)
- Leal, Jesse G., Bakersfield, Cal. Automatic guiding device for harrows. No. 1,109,076; Sept. 1; Gaz. vol. 206; p. 78.
- Lean, Clement, London, assignor to Graham & Latham Limited, Westminster, England. Signaling apparatus. No. 1,094,368; Apr. 21; Gaz. vol. 201; p. 833.
- Leao, Francisco G. P., New York, N. Y. Making sugar from cane. No. 1,083,545; Jan. 6; Gaz. vol. 198; p. 95.
- Lear, George M., New Orleans, La. Steam-trap. No. 1,098,669; June 2; Gaz. vol. 203; p. 106.
- Learman, Frank C. (See Kopacki, Albert G., assignor.)
- Learned, Horace G. (See Mosher, Peter W., assignor.)
- Learned, Willard M., assignor of one-third to J. H. Mixer and one-third to W. Jochum, Los Angeles, Cal. Trolley. No. 1,108,195; Aug. 25; Gaz. vol. 205; p. 1053.
- Leary, James I., Chicago, Ill. Machine for printing and moistening adhesive wrapping-tape. No. 1,116,084; Nov. 3; Gaz. vol. 208; p. 212.
- Leary, John S., North Cambridge, Mass. Arch-supporting pad. No. 1,091,673; Mar. 31; Gaz. vol. 200; p. 1191.

Alphabetical list of patentees—Continued.

- Leary, Nell P., Washington, D. C. Computer for ascertaining transportation charges. No. 1,120,948; Dec. 15; Gaz. vol. 209; p. 797.
- Leary, William J., Erie, Pa. Match-box holder. No. 1,090,995; Mar. 24; Gaz. vol. 200; p. 918.
- Leas, Bert E., Luverne, Minn. Resilient tire. No. 1,086,923; Feb. 10; Gaz. vol. 199; p. 515.
- Leas, De Witt H., and J. P. Ferguson, Delaware, Ohio. Heating device. No. 1,085,273; Jan. 27; Gaz. vol. 198; p. 770.
- Lease, Charles E., and C. Jacobson, Galt, Cal. Plow. No. 1,093,139; Apr. 14; Gaz. vol. 201; p. 384.
- Lease, Louisa, administratrix. (See Liess, William.)
- Leask, Henry N., Egremont, England. Refuse-destructor. No. 1,085,445; Jan. 27; Gaz. vol. 198; p. 828.
- Leasure, James W., Bradford, Pa. Antiskidding device. No. 1,100,311; June 16; Gaz. vol. 203; p. 748.
- Leatham, James, Lebanon, Pa., assignor to Hermann, Aukam & Co., New York, N. Y. Sewing-machine. No. 1,099,655; June 9; Gaz. vol. 203; p. 484.
- Leatherbee, Clifton F., Newton, Mass., assignor to Painting Machine Company, Kittery, Me. Wood-treating machine. No. 1,107,623; Aug. 18; Gaz. vol. 205; p. 806.
- Leavell, John H. (See Kirk, Morris P., assignor.)
- Leavell, Thomas G., Spokane, Wash. Means for operating street and station annunciators for cars. No. 1,086,301; Feb. 3; Gaz. vol. 199; p. 251.
- Leavens, Philip J., Palmyra, N. J. Nail-extracting claw. No. 1,108,766; Aug. 25; Gaz. vol. 205; p. 1250.
- Leaver, James M., Long Beach, Cal. Dry-kiln for lumber, &c. No. 1,108,377; Aug. 25; Gaz. vol. 205; p. 1116.
- Leavitt, Avery T., Denver, Colo. Metallic flume. No. 1,087,791; Feb. 17; Gaz. vol. 199; p. 866.
- Leavitt, Frank M., Smithtown, assignor to Leavitt-Jackson Engineering Company, Brooklyn, N. Y. Apparatus for use in the purification of water. No. 1,087,958; Feb. 24; Gaz. vol. 199; p. 970.
- Leavitt, Frank M., Smithtown, assignor to Leavitt-Jackson Engineering Company, Brooklyn, N. Y. Purification of water. No. 1,088,232; Feb. 24; Gaz. vol. 199; p. 1065.
- Leavitt, Frank M., Smithtown, assignor to E. W. Bliss Company, Brooklyn, N. Y. Engine-governor. No. 1,088,079; Feb. 24; Gaz. vol. 199; p. 1013.
- Leavitt, Frank M., Smithtown, assignor to E. W. Bliss Company, Brooklyn, N. Y. Driving mechanism for torpedoes. No. 1,088,080; Feb. 24; Gaz. vol. 199; p. 1013.
- Leavitt, Frank M., Smithtown, assignor to E. W. Bliss Company, Brooklyn, N. Y. Turbine. No. 1,088,081; Feb. 24; Gaz. vol. 199; p. 1014.
- Leavitt, Frank M., Smithtown, assignor to E. W. Bliss Company, Brooklyn, N. Y. Ignition device. No. 1,088,911; Mar. 3; Gaz. vol. 200; p. 81.
- Leavitt, Frank M., Smithtown, assignor to E. W. Bliss Company, Brooklyn, N. Y. Automobile torpedo. No. 1,108,196; Aug. 25; Gaz. vol. 205; p. 1053.
- Leavitt, Frank M., Smithtown, assignor to E. W. Bliss Company, Brooklyn, N. Y. Retarding device for automobile torpedoes. No. 1,112,014; Sept. 29; Gaz. vol. 206; p. 1268.
- Leavitt, Harry W., Paris, Mo. Tractor. No. 1,112,460; Oct. 6; Gaz. vol. 207; p. 16.
- Leavitt-Jackson Engineering Company. (See Leavitt, Frank M., assignor.)
- Leavitt Machine Company, The. (See Smith and Williams, assignors.)
- Lebcher, Chester B., Long Beach, Cal. Clothes-wringer. No. 1,108,589; Aug. 25; Gaz. vol. 205; p. 1191.
- Leberthon, Raoul, Champdeniers, France. Tool for working the edges of watchcases in order to suppress the shaking of the works. No. 1,117,408; Nov. 17; Gaz. vol. 208; p. 756.
- Leblanc, Israël, New Bedford, Mass. Chain-mold. No. 1,083,841; Jan. 6; Gaz. vol. 198; p. 190.
- Lebombarb, Nelson J., Hyde, Mich. Wrench. No. 1,092,152; Apr. 7; Gaz. vol. 201; p. 9.
- Lebrecht, Charles E., *et al.*, trustees. (See Deray, Jean F., assignor.)
- Lebus, George F., Electra, Tex. Elevator-wrench. No. 1,113,659; Oct. 13; Gaz. vol. 207; p. 477.
- Lechich, John. (See Flack and Lechich.)
- Lechner, William H., Hamilton, Ontario, Canada. Spoon. No. 1,108,767; Aug. 25; Gaz. vol. 205; p. 1250.
- Lechtenberg, Henry, Quincy, Ill., assignor to W. T. Lechtenberg. Dust-collector. No. 1,110,699; Sept. 15; Gaz. vol. 206; p. 735.
- Lechtenberg, Henry, Quincy, Ill., assignor to W. T. Lechtenberg. Dust-collector. No. 1,113,024; Oct. 6; Gaz. vol. 207; p. 212.
- Lechtenberg, W. T. (See Lechtenberg, Henry, assignor.)
- Leckie, A. E. L. (See Heany, John A., assignor.)
- Ledbetter, Louis H., Chillicothe, Tex. Car-replacer. No. 1,119,704; Dec. 1; Gaz. vol. 209; p. 276.
- Ledeboer, Peter G., Chicago, Ill. Pawl-and-ratchet mechanism. No. 1,110,802; Sept. 15; Gaz. vol. 206; p. 770.
- Lederer, Anton, Vienna, Austria-Hungary, assignor to Westinghouse Lamp Company. Manufacture of metallic filaments for electric lamps. No. 1,116,450; Nov. 10; Gaz. vol. 208; p. 376.
- Lederer, August, *et al.* (See Meunier, Georges, assignor.)
- Lederer, Emil, *et al.* (See Meunier, Georges, assignor.)
- Lederer, Friedrich, Milwaukee, Wis. Rear tire-holder for automobiles. No. 1,086,377; Feb. 10; Gaz. vol. 199; p. 323.
- Lederer, Joseph. (See Suits, Bert C., assignor.)
- Ledlow, Eugene M., McKenzie, Ala. Cleaner for windshields of automobiles. No. 1,097,449; May 19; Gaz. vol. 202; p. 859.
- Ledoux, Albert R., *et al.* (See Kendall, Edward D., assignor.)
- Ledoux, John W., Swarthmore, Pa. Fluid-meter. No. 1,083,689; Jan. 6; Gaz. vol. 198; p. 142.
- Ledoux, John W., Swarthmore, Pa. Mechanism for combining liquids. No. 1,085,348; Jan. 27; Gaz. vol. 198; p. 796.
- Ledoux, Joseph A., Worcester, Mass. Tool-holder. No. 1,109,343; Sept. 1; Gaz. vol. 206; p. 173.
- Leduc, Louis L., assignor to L. Cadenel, Paris, France. Electromagnetic lock. No. 1,085,347; Jan. 27; Gaz. vol. 198; p. 796.
- Leduc, Lucien A. J., Tours, France. Apparatus for raising submarines and submersibles. No. 1,114,155; Oct. 20; Gaz. vol. 207; p. 691.
- Leduc, Raoul, Rouen, France. Carbureter. No. 1,119,181; Dec. 1; Gaz. vol. 209; p. 98.
- Ledwinka, Joseph, Philadelphia, Pa., assignor to Trackless Trolley Company of America. Trolley-pole. No. 1,099,384; June 9; Gaz. vol. 203; p. 392.
- Ledwinka, Joseph, Philadelphia, Pa., assignor to Trackless Trolley Company of America. Overhead crossing. No. 1,102,766; July 7; Gaz. vol. 204; p. 190.
- Ledyard, Elisha G., Sioux Falls, S. D. Revolving dump-cart. No. 1,117,865; Nov. 17; Gaz. vol. 208; p. 917.
- Lee, Adolph B., Oakland, Cal. Electric switch. No. 1,109,770; Sept. 8; Gaz. vol. 206; p. 363.
- Lee, Albert B., Minneapolis, Minn. Sympathetic harp. No. 1,117,199; Nov. 17; Gaz. vol. 208; p. 683.
- Lee, Anderson, Salt Lake City, Utah. Collapsible eggcrate. No. 1,106,228; Aug. 4; Gaz. vol. 205; p. 223.
- Lee, Arthur, Union Hill, Ill. Portable power transmission. No. 1,089,485; Mar. 10; Gaz. vol. 200; p. 325.
- Lee, Arthur R., assignor of one-third to M. M. Phillips and one-third to M. J. Kennedy, Los Angeles, Cal. Indoor-game device. No. 1,097,035; May 19; Gaz. vol. 202; p. 715.
- Lee, Belle P. (See Newton, Henry B., assignor.)
- Lee Broom & Duster Co. (See Beebe and Duvall, assignors.)
- Lee, Charles E., New York, N. Y. Pencil-pointer. No. 1,108,590; Aug. 25; Gaz. vol. 205; p. 1192.
- Lee, Charles F., assignor to W. L. Rohrer, Chicago, Ill. Burglar-alarm. No. 1,104,734; July 21; Gaz. vol. 204; p. 959.
- Lee, Charles M., Niagara Falls, N. Y. Abrasive-wheel trimmer. No. 1,115,693; Nov. 3; Gaz. vol. 208; p. 78.
- Lee, Charles M., Falls City, Nebr. Propeller mechanism. No. 1,122,512; Dec. 29; Gaz. vol. 209; p. 1412.
- Lee, Charles T., Blauvelt, N. Y. Cuspidor-lifter. No. 1,113,025; Oct. 6; Gaz. vol. 207; p. 212.
- Lee, Clifford A., Morris, Minn. Seed-cleaner. No. 1,109,428; Sept. 1; Gaz. vol. 206; p. 203.
- Lee, Eleseus J., Council Bluffs, Iowa. Car-door. No. 1,092,654; Apr. 7; Gaz. vol. 201; p. 183.
- Lee, Frank H., Bridgeport, Conn. Ventilated hat. No. 1,088,782; Mar. 3; Gaz. vol. 200; p. 37.
- Lee, Frederick E., Grand Forks, N. D. Egg-candling machine. No. 1,111,595; Sept. 22; Gaz. vol. 206; p. 1088.
- Lee, George C., Jr., *et al.* (See Beugler, Frank R., assignor.)
- Lee, George R., Ashton, S. D. Gage. No. 1,085,446; Jan. 27; Gaz. vol. 198; p. 828.
- Lee, Harry F., assignor to The Gallion Metallic Vault Company, Inc., Gallion, Ohio. Steering-gear for automobiles. No. 1,119,086; Dec. 1; Gaz. vol. 209; p. 65.
- Lee, Harry W., Baltimore, Md., and A. G. Pierce, Toledo, Ohio. Billiard-cue tip. No. 1,116,827; Nov. 10; Gaz. vol. 208; p. 514.
- Lee, Henry C., trustee. (See Bullock, Arthur R., assignor.)
- Lee, Henry W., assignor of one-half to E. G. Tutt and one-half to J. C. Streett and G. H. Shields, Jr., St. Louis, Mo. Pipe-cleaner. No. 1,099,556; June 9; Gaz. vol. 203; p. 451.
- Lee, James B., Chandler, Ind. Acetylene-gas generator. No. 1,108,197; Aug. 25; Gaz. vol. 205; p. 1054.
- Lee, James G., and C. C. Sunderland, assignors to John A. Roebling's Sons Company, Trenton, N. J. Wire-rope coupling. No. 1,121,736; Dec. 22; Gaz. vol. 209; p. 1107.
- Lee, James M., El Paso, Tex. Excavator and conveyer. No. 1,083,897; Jan. 6; Gaz. vol. 198; p. 206.
- Lee, James N., assignor of one-half to G. Sutton, Brooklyn, N. Y. Screw. No. 1,091,674; Mar. 31; Gaz. vol. 200; p. 1192.
- Lee, John A. P., Tucker, Ark. Nut-lock. No. 1,104,681; July 21; Gaz. vol. 204; p. 940.
- Lee, John E., Conshohocken, Pa. Armored pneumatic tire. No. 1,086,924; Feb. 10; Gaz. vol. 199; p. 515.
- Lee, Joseph, Otterville, Ill. Whiffletree attachment. No. 1,084,644; Jan. 20; Gaz. vol. 198; p. 517.

Alphabetical list of patentees—Continued.

- Lee, Lulu S., Los Angeles, Cal. Undershirt. No. 1,110,501; Sept. 15; Gaz. vol. 206; p. 665.
- Lee, Thomas L., Westfield, N. J., assignor to Hall Switch & Signal Company. Asynchronous motor. No. 1,113,565; Oct. 13; Gaz. vol. 207; p. 446.
- Lee Tire & Rubber Co. (See Bradford, Benalah, assignor.)
- Lee, Ulysses G. (See Montague and Lee.)
- Lee, Ulysses G., Chattanooga, Tenn., assignor to Montague Mailing Machinery Company. Address-plate and making the same. No. 1,117,866; Nov. 17; Gaz. vol. 208; p. 917.
- Lee, Ulysses G., Chattanooga, Tenn., assignor to Montague Mailing Machinery Company. Addressing-machine, (coupon-bills.) No. 1,122,286; Dec. 29; Gaz. vol. 209; p. 1337.
- Lee, Ulysses G., Chicago, Ill., assignor to Montague Mailing Machinery Co. Addressing-machine. No. 1,122,617; Dec. 29; Gaz. vol. 209; p. 1449.
- Lee, William, Pawtucket, R. I. Carding. No. 1,100,082; June 16; Gaz. vol. 203; p. 668.
- Lee, William, Pawtucket, R. I. Mud-guard for wheels. No. 1,122,957; Dec. 29; Gaz. vol. 209; p. 1569.
- Lee, William A., Washington, D. C. Vehicle-support. No. 1,101,640; June 30; Gaz. vol. 203; p. 1311.
- Lee, William E., Long Prairie, Minn. Aeroplane. No. 1,121,262; Dec. 15; Gaz. vol. 209; p. 907.
- Lee, William E., assignor to The Seagrave Company, Columbus, Ohio. Thawing apparatus for fire-engines. No. 1,119,761; Dec. 1; Gaz. vol. 209; p. 294.
- Lee, William H., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Draft-shifting means for sulky-plows. No. 1,105,593; July 28; Gaz. vol. 204; p. 1309.
- Lee, William H., assignor to The Syracuse Chilled Plow Company, Syracuse, N. Y. Means for controlling the casting of the furrow-wheels of plows. No. 1,108,915; Sept. 1; Gaz. vol. 206; p. 19.
- Lee, William H., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Sulky-plow. No. 1,109,535; Sept. 1; Gaz. vol. 206; p. 237.
- Lee, William H., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Means for raising and lowering the frames of plows. No. 1,120,825; Dec. 15; Gaz. vol. 209; p. 753.
- Lee, William R., Rochester, N. Y. Packaging pipe-cleaners. No. 1,108,450; Aug. 25; Gaz. vol. 205; p. 1140.
- Lee, William S., assignor to Briggs-Detroit Company, Detroit, Mich. Vehicle-spring. No. 1,092,561; Apr. 7; Gaz. vol. 201; p. 158.
- Leece, Harry H., Portland, Oreg. Device for chalking cues. No. 1,114,490; Oct. 20; Gaz. vol. 207; p. 813.
- Leech, Charles M., Lima, Ohio. Engine-starter. No. 1,091,519; Mar. 31; Gaz. vol. 200; p. 1139.
- Leech, Charles M., Lima, Ohio. Internal-combustion engine. No. 1,099,065; June 2; Gaz. vol. 203; p. 237.
- Leech, Edward, *et al.* (See Ames, Joel, assignor.)
- Leech, John W., Salina, Kans. Acetylene-generator. No. 1,097,243; May 19; Gaz. vol. 202; p. 788.
- Leech, Stanley, Detroit, Mich. Weather-strip. No. 1,115,319; Oct. 27; Gaz. vol. 207; p. 1155.
- Leech, Thomas, *et al.* (See Robinson, Arthur J., assignor.)
- Leechman, John A., La Fayette, Ind. Tensioning device for laces. No. 1,113,566; Oct. 13; Gaz. vol. 207; p. 446.
- Leedham, Frank W. (See Shaddock, Willis J., assignor.)
- Leeds, Charles C., Pittsburgh, Pa. Enlarging attachment for cameras. No. 1,088,030; Feb. 24; Gaz. vol. 199; p. 996.
- Leeds, Morris E., Philadelphia, Pa. Measuring apparatus. No. 1,097,651; May 26; Gaz. vol. 202; p. 972.
- Leeds & Northrup Company, The. (See Smith, Irving B., assignor.)
- Leedy Manufacturing Company. (See Wanamaker, Charles B., assignor.)
- Leeming, Samuel W. (See Visel, Adolf, assignor.)
- Leen, Patrick W., Minneapolis, Minn. Pile-driver. No. 1,088,710; Mar. 3; Gaz. vol. 200; p. 14.
- Leeper, Charles E., Eaton, Colo. Sorter. No. 1,091,675; Mar. 31; Gaz. vol. 200; p. 1192.
- Leer, Alpheus A. (See Ellis, Ed, assignor.)
- Leer, Leopold, New York, N. Y. Wrench. No. 1,113,903; Oct. 13; Gaz. vol. 207; p. 563.
- Lees-Bradner Company, The. (See Lees, Ernest J., assignor.)
- Lees, Ernest J., assignor to The Lees-Bradner Company, Cleveland, Ohio. Gear-generating tool. No. 1,086,542; Feb. 10; Gaz. vol. 199; p. 381.
- Lees, Ernest J., assignor to The Lees-Bradner Company, Cleveland, Ohio. Gear-generator. No. 1,108,379; Aug. 25; Gaz. vol. 205; p. 1117.
- Lees, James. (See Bailey, James R., assignor.)
- Leeson, George, Delta, Colo. Fluid-pump. No. 1,091,067; Mar. 24; Gaz. vol. 200; p. 944.
- Leeson, Joseph R. (See De Wolf, Ernest A., assignor.)
- Leetonia Tool Company, The. (See Holt and Rauch, assignors.)
- Leeworth, George, Chicago, Ill. Lock-gage. No. 1,114,894; Oct. 27; Gaz. vol. 207; p. 1005.
- Lefebvre, Edward A., assignor to Marble Range Manufacturing Co., Brooklyn, N. Y. Game apparatus. No. 1,098,513; June 2; Gaz. vol. 203; p. 55.
- Lefebvre, Charles, Chillicothe, Ohio. Water-boiling attachment for gas-stoves. No. 1,083,884; Jan. 6; Gaz. vol. 198; p. 203.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Razor-strop. No. 1,095,218; May 5; Gaz. vol. 202; p. 16.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Spring-gun. No. 1,097,244; May 19; Gaz. vol. 202; p. 789.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Shot-magazine for spring air-guns. No. 1,114,491; Oct. 20; Gaz. vol. 207; p. 814.
- Leffel, Clarence E., assignor to The Spirella Company, Incorporated, Niagara Falls, N. Y. Hood for electroplating-tanks. No. 1,085,742; Feb. 3; Gaz. vol. 199; p. 58.
- Leffel, Clarence E., assignor to The Spirella Company, Incorporated, Niagara Falls, N. Y. Anode-support. No. 1,085,743; Feb. 3; Gaz. vol. 199; p. 58.
- Leffel, Clarence E. and J. D., assignors to The Spirella Company, Incorporated, Niagara Falls, N. Y. Electroplating-rack. No. 1,085,744; Feb. 3; Gaz. vol. 199; p. 59.
- Leffel, John D. (See Leffel, Clarence E. and J. D.)
- Leffler, Charles. (See Comstock, Chester, assignor.)
- Leffer, William B., Springfield, Nebr. Spring-wheel. No. 1,118,502; Nov. 24; Gaz. vol. 208; p. 1180.
- Lefter, Benjamin F., Daleville, Ind. Buggy-shaft tug. No. 1,093,442; Apr. 14; Gaz. vol. 201; p. 486.
- Legan, James M., Morton, Miss. Pen and pencil holder. No. 1,100,583; June 16; Gaz. vol. 203; p. 839.
- Legard, John E. (See Dunn, Conally L., assignor.)
- Legaré, Thomas K., Columbia, S. C. Adjustable crown-templet. No. 1,093,867; Apr. 21; Gaz. vol. 201; p. 669.
- Legg, Lambert N., Calhoun, Ga. Continuous kiln for burning clayware. No. 1,085,448; Jan. 27; Gaz. vol. 198; p. 829.
- Legg, Walter F., Detroit, and F. A. Buechner, Battle Creek; said Buechner assignor to said Legg, F. L. Anderson, and H. W. Millen, Detroit, Mich. Batter cup or bucket. No. 1,101,199; June 23; Gaz. vol. 203; p. 1107.
- Legg, William G., Winnipeg, Manitoba, Canada. Bed-spring tightener. No. 1,115,552; Nov. 3; Gaz. vol. 208; p. 29.
- Legge, Alfred G., Brockton, Mass. Shoe-form. No. 1,104,304; July 21; Gaz. vol. 204; p. 809.
- Legge, Alfred G., Brockton, Mass. Shoe-form. No. 1,109,771; Sept. 8; Gaz. vol. 206; p. 364.
- Legge, Alfred G., Brockton, Mass. Shoe-form. No. 1,115,320; Oct. 27; Gaz. vol. 207; p. 1155.
- Legge, Alfred G., Brockton, Mass. High form for shoes. No. 1,115,445; Oct. 27; Gaz. vol. 207; p. 1196.
- Legge, Charles E., Johannesburg, Transvaal, South Africa. Auxiliary-tire attachment. No. 1,101,457; June 23; Gaz. vol. 203; p. 1194.
- Leggett, Joseph P., Carthage, Mo. Spring bed-bottom. No. 1,089,233; Mar. 3; Gaz. vol. 200; p. 193.
- Leggett, Joseph P., Carthage, Mo. Vehicle propelling mechanism. No. 1,093,277; Apr. 14; Gaz. vol. 201; p. 431.
- Leggett, Joseph P., Carthage, Mo. Machine for bending and cutting coiled springs. No. 1,094,076; Apr. 21; Gaz. vol. 201; p. 739.
- Leggett, Joseph P., Carthage, Mo. Motor-vehicle transmission mechanism. No. 1,117,582; Nov. 17; Gaz. vol. 208; p. 816.
- Leghorn, Benjamin C. (See Civita and Leghorn.)
- Lehman, Benjamin N., Salt Lake City, Utah. Wrench. No. 1,117,867; Nov. 17; Gaz. vol. 208; p. 918.
- Lehman, Claude A., and P. A. Lawrence, assignors to McGill Manufacturing Company, Valparaiso, Ind. Guard for incandescent electric lamps. No. 1,089,138; Mar. 3; Gaz. vol. 200; p. 161.
- Lehman, Joseph H., New York, N. Y. Electrical appliance. No. 1,084,645; Jan. 20; Gaz. vol. 198; p. 518.
- Lehmann, Christian G., Detroit, Mich. Coin-controlled lock. No. 1,105,980; Aug. 4; Gaz. vol. 205; p. 137.
- Lehmann, Firm of Ernst P. (See Sadtler, Wilhelm, assignor.)
- Lehmann, Feodor, and J. Stocker, Berlin, Germany. Manufacturing vegetable glue. No. 1,089,064; Mar. 3; Gaz. vol. 200; p. 133.
- Lehmuth, Wilhelm, Gernrode, Germany. Device for the automatic closing and opening of doors, cupboards, and the like at predetermined times. No. 1,118,660; Nov. 24; Gaz. vol. 208; p. 1235.
- Lehne, Josef. (See Eisermann and Lehne.)
- Lehner, Alfred, Kelsterbach-on-the-Main, Germany. Toy-building for the reproduction of iron technical constructions. No. 1,103,781; July 14; Gaz. vol. 204; p. 590.
- Lehner, Alfred, Kelsterbach, Germany, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Photographic screen and making the same. No. 1,112,540; Oct. 6; Gaz. vol. 207; p. 46.

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- Lehner, Alfred, Helsterbach-on-the-Main, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Copying from polychromic-screen negatives. No. 1,113,359; Oct. 13; Gaz. vol. 207; p. 373.
- Lehnert, Henry W. A., New York, N. Y. Shower-bath. No. 1,116,897; Nov. 10; Gaz. vol. 208; p. 538.
- Lehr, Anton A., Boston, Mass. Profiling device or shadow-graph. No. 1,094,155; Apr. 21; Gaz. vol. 201; p. 766.
- Lehr, Gustave, New York, N. Y. Stylus for sound-reproducing machines. No. 1,103,592; July 14; Gaz. vol. 204; p. 524.
- Lehr, Robert P., San Jose, Cal. Internal-combustion-engine valve. No. 1,122,618; Dec. 29; Gaz. vol. 209; p. 1505.
- Lehtonen, Frank J., Negaunee, Mich. Automobile sled. No. 1,104,682; July 21; Gaz. vol. 204; p. 941.
- Leibel, Samyl, New York, N. Y. Garment-supporter. No. 1,105,282; July 28; Gaz. vol. 204; p. 1198.
- Leiber, Wallis, Mount Carroll, Ill. Lightning-arrester. No. 1,115,553; Nov. 3; Gaz. vol. 208; p. 29.
- Leich, Oscar M., assignor to Cracraft, Leich Electric Company, Genoa, Ill. Annunciator. No. 1,113,128; Oct. 6; Gaz. vol. 207; p. 246.
- Leich, Oscar M., assignor to Cracraft, Leich Electric Company, Genoa, Ill. Circuit-controlling device. No. 1,115,446; Oct. 27; Gaz. vol. 207; p. 1197.
- Leich, Oscar M., assignor to Cracraft, Leich Electric Company, Genoa, Ill. Annunciator. No. 1,116,598; Nov. 10; Gaz. vol. 208; p. 432.
- Leichner, Siegfried, Grunewald, near Berlin, Germany. Illuminated fountain. No. 1,083,449; Jan. 6; Gaz. vol. 198; p. 64.
- Leidigh, John J., Milwaukee, Wis., assignor to The National Cash Register Company, Dayton, Ohio. Credit-marking apparatus. No. 1,106,463; Aug. 11; Gaz. vol. 205; p. 349.
- Leidy, Charles C., Jacksonville, Ill. Oven. No. 1,116,085; Nov. 3; Gaz. vol. 208; p. 212.
- Leigh, Charles E., and F. Carroll, Cedar Rapids, Iowa. Burner. No. 1,090,402; Mar. 17; Gaz. vol. 200; p. 684.
- Leigh, Daniel G., Coleman, Fla. Back-band hook. No. 1,119,844; Dec. 8; Gaz. vol. 209; p. 360.
- Leighton, Albert, Erie, Pa. Combined suspender-tab and belt-loop for trousers. No. 1,105,355; July 28; Gaz. vol. 204; p. 1227.
- Leighton, Edgar D., assignor to W. W. Small, Cherryfield, Me. Berry-rake. No. 1,084,805; Jan. 20; Gaz. vol. 198; p. 574.
- Leighton, James A., Estherwood, assignor of one-half to W. G. Sweezy, Crowley, La. Hen's nest. No. 1,111,310; Sept. 22; Gaz. vol. 206; p. 989.
- Leighty, William J. (See Jacobs and Leighty.)
- Leighty, William J., Springfield, Mo. Fire-box for boilers. No. 1,117,145; Nov. 10; Gaz. vol. 208; p. 623.
- Leighty, William J., assignor of one-half to H. W. Jacobs, Topeka, Kans. Means for forming couplings or joints. No. 1,093,868; Apr. 21; Gaz. vol. 201; p. 669.
- Leilich, Henry L. (See Warnick and Leilich.)
- Leilich, Henry L., assignor to The Delphos Manufacturing Company, Delphos, Ohio. Well-bucket. No. 1,114,776; Oct. 27; Gaz. vol. 207; p. 963.
- Leiman, Henry, Tampa, Fla. Shipping-crate. No. 1,097,450; May 19; Gaz. vol. 202; p. 859.
- Leiman, Henry, Tampa, Fla. Case-locking device. No. 1,117,066; Nov. 10; Gaz. vol. 208; p. 596.
- Leimberger, Edward, assignor of one-half to A. F. Hartman, Niles, Mich. Compound for decorating mirrors, windows, and the like. No. 1,088,351; Feb. 24; Gaz. vol. 199; p. 1105.
- Leiner, Joseph, assignor of one-half to J. F. Paull, Wheeling, W. Va. Combined sash actuating device and lock. No. 1,101,861; June 30; Gaz. vol. 203; p. 1386.
- Leinert, Charles H., Chicago, Ill. Apparatus for drying gases. No. 1,093,869; Apr. 21; Gaz. vol. 201; p. 669.
- Leinert, Wenzel, New York, N. Y. Liquid-weighing device. No. 1,103,303; July 14; Gaz. vol. 204; p. 423.
- Leino, Gustaf V., Covington, Mich. Plow. No. 1,100,312; June 16; Gaz. vol. 203; p. 748.
- Leinss, Herman S., New York, N. Y. Automatic cut-off for gas-burners. No. 1,098,670; June 2; Gaz. vol. 203; p. 107.
- Leinweber, Herman, Chicago, Ill. Airship. No. 1,108,865; Aug. 25; Gaz. vol. 205; p. 1286.
- Leischner, Gotthilf, Megargel, Tex. Attachment for cultivators. No. 1,100,313; June 16; Gaz. vol. 203; p. 748.
- Leischner, Gotthilf, Megargel, Tex. Planter. No. 1,106,879; Aug. 11; Gaz. vol. 205; p. 496.
- Leisegang, Conrad H., Philadelphia, Pa. Cigar-cutter. No. 1,094,338; Apr. 21; Gaz. vol. 201; p. 823.
- Leissing, Albert H., New York, N. Y. Phonograph attachment. No. 1,114,492; Oct. 20; Gaz. vol. 207; p. 814.
- Leissle, Karl, and F. Bach, Chicago, Ill. Wrench. No. 1,108,591; Aug. 25; Gaz. vol. 205; p. 1192.
- Leister, William H., and H. F. Schaeffer, Westminster, Md., assignors, by mesne assignments, to Westminster Deposit & Trust Company. Machine for labeling cylindrical packages. No. 1,101,200; June 23; Gaz. vol. 203; p. 1108.
- Leistner, Paul G., St. Charles, Mo. Car-seat spring. No. 1,087,247; Feb. 17; Gaz. vol. 199; p. 677.
- Leistritz, Paul, Nuremberg, Germany. Speed-change gear. No. 1,115,843; Nov. 3; Gaz. vol. 208; p. 128.
- Leitch, Samuel G., Somerville, Mass. Combined binder and marker for hats. No. 1,098,044; May 26; Gaz. vol. 202; p. 1113.
- Leitch, Samuel G., Somerville, Mass. Carton. No. 1,121,737; Dec. 22; Gaz. vol. 209; p. 1107.
- Leith, Alexander B., *et al.* (See McGill, Albert E., assignor.)
- Leith, Alexander B., *et al.*, trustees. (See Adams, Arthur J., assignor.)
- Leith, Alexander B., *et al.*, trustees. (See Beier, Frank J., assignor.)
- Leith, Alexander B., *et al.*, trustees. (See McGill, Albert E., assignor.)
- Leith, Alexander B., *et al.*, trustees. (See McGill and Beier, assignors.)
- Leith, Thomas S., St. Paul, Minn. Removable door-securer. No. 1,100,187; June 16; Gaz. vol. 203; p. 705.
- Leitner, Henry, London, England. Variable-speed dynamo. No. 1,094,077; Apr. 21; Gaz. vol. 201; p. 739.
- Leitner, Henry, London, England. Means for regulating electric-lamp circuits. No. 1,100,584; June 16; Gaz. vol. 203; p. 839.
- Leitner, Henry, London, England. Apparatus for the control of electric circuits. No. 1,109,536; Sept. 1; Gaz. vol. 206; p. 238.
- Leitner, Hugo F., Nipomo, Cal. Soldering-iron gun. No. 1,092,725; Apr. 7; Gaz. vol. 201; p. 206.
- Leitschuh, Joseph, assignor of one-third to J. P. Nielsen and one-third to C. C. Nielsen, Chicago, Ill. Pencil-clasp. No. 1,085,386; Jan. 27; Gaz. vol. 198; p. 810.
- Lekkerkerker, Gerritt, *et al.* (See Jürgens, August, assignor.)
- Leland, Charles H., and H. S. Webber, Los Angeles, Cal. Plural-crypt structure. No. 1,093,940; Apr. 21; Gaz. vol. 201; p. 693.
- Leland, Charles S., Mount Desert, Me. Glazier's tool. No. 1,092,447; Apr. 7; Gaz. vol. 201; p. 112.
- Leland & Company, W. H. (See Gifford, Albert J., assignor.)
- Lellman, Stephen. (See Pilkington, John T., assignor.)
- Lelua, Charles, *et al.* (See Langlais, Charles E. O., assignor.)
- Lemale, Charles, Paris, France. Flash steam-generator. No. 1,102,345; July 7; Gaz. vol. 204; p. 43.
- Leman, Blanche D., White Plains, N. Y. Combination-garment. No. 1,102,520; July 7; Gaz. vol. 204; p. 104.
- Lembke, Charles F., Valparaiso, Ind. Internal-combustion engine. No. 1,106,720; Aug. 11; Gaz. vol. 205; p. 440.
- Lembke, Charles F., Valparaiso, Ind. Internal-combustion engine. No. 1,108,916; Sept. 1; Gaz. vol. 206; p. 19.
- Lemen, Robert F., East St. Louis, Ill. Towel-cabinet. No. 1,120,725; Dec. 15; Gaz. vol. 209; p. 718.
- Lemieux, Felix, Chicago, Ill. Mop. No. 1,087,793; Feb. 17; Gaz. vol. 199; p. 866.
- Lemieux, T. D. (See Clarke, John S., assignor.)
- Lemieux, Thomas D., Cleveland, Ohio. Cylinder-head for sleeve-valve motors. No. 1,091,359; Mar. 24; Gaz. vol. 200; p. 1040.
- Lemke, August, Detroit, Mich. Garment-hanger. No. 1,105,981; Aug. 4; Gaz. vol. 205; p. 138.
- Lemkin, Max, *et al.* (See Martin, William, assignor.)
- Lemkuhl, Louis, Baltimore, Md. Adjustable shade-hanger. No. 1,087,386; Feb. 17; Gaz. vol. 199; p. 725.
- Lemmon, George F., Canton, Ohio. Tide-motor. No. 1,111,161; Sept. 22; Gaz. vol. 206; p. 938.
- Lemmon, Helen B., Cornelius, Oreg. Security-envelop. No. 1,122,234; Dec. 22; Gaz. vol. 209; p. 1280.
- Lemmon, William W., Junior, La. Farm-tractor. No. 1,109,429; Sept. 1; Gaz. vol. 206; p. 204.
- Lemp, Hermann, Lynn, Mass., assignor to General Electric Company. Lubricating means for two-cycle internal-combustion engines. No. 1,087,387; Feb. 17; Gaz. vol. 199; p. 726.
- Lemp, Hermann, Lynn, Mass., assignor to General Electric Company. Internal-combustion engine. No. 1,093,140; Apr. 14; Gaz. vol. 201; p. 384.
- Lemp, Hermann, Lynn, Mass., assignor to General Electric Company. Fuel-pump. No. 1,112,299; Sept. 29; Gaz. vol. 206; p. 1367.
- Lemp, Hermann, Erie, Pa., assignor to General Electric Company. Pump. No. 1,118,363; Nov. 24; Gaz. vol. 208; p. 1130.
- Lemp, Louis F. (See Willcox and Lemp.)
- Lench, Harry, Blackheath, England. Telegraph and like pole bracket. No. 1,121,513; Dec. 15; Gaz. vol. 209; p. 992.
- Lender, Franz, St. Petersburg, Russia. Semi-automatic gun with fluid-accumulator. No. 1,091,360; Mar. 24; Gaz. vol. 200; p. 1041.
- Lender, Franz, St. Petersburg, Russia. Semi-automatic gun. No. 1,091,361; Mar. 24; Gaz. vol. 200; p. 1041.
- Lenderoth, Arnold W. (See Fox and Lenderoth.)

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- Lenfestey, Percy E., Philadelphia, Pa. Adjustable shaft-hanger. No. 1,111,474; Sept. 22; Gaz. vol. 206; p. 1045.
- Lenhart, Adam S., and J. L. Wells, Hamburg, Pa. Brake for automobiles. No. 1,113,567; Oct. 13; Gaz. vol. 207; p. 447.
- Lenhart, Cyrus W., Spokane, Wash., assignor to S. M. Brown, New York, N. Y. Debranning-machine. No. 1,122,134; Dec. 22; Gaz. vol. 209; p. 1245.
- Lenhart, Johan G., Bellingham, Wash. Supporting-rack. No. 1,109,430; Sept. 1; Gaz. vol. 206; p. 204.
- Lenling, John W., Groton, S. D. Ventilator. No. 1,101,641; June 30; Gaz. vol. 203; p. 1311.
- Lenling, John W., Groton, S. D. Ventilator and register. No. 1,101,642; June 30; Gaz. vol. 203; p. 1311.
- Lenning, Malcolm N., Eskbank, Saskatchewan, Canada. Clothes-sprinkler. No. 1,100,314; June 16; Gaz. vol. 203; p. 749.
- Lenning, Malcolm N., Eskbank, Saskatchewan, Canada. Plow. No. 1,115,217; Oct. 27; Gaz. vol. 207; p. 1122.
- Lennon, James, Jr. (See Terrian and Lennon.)
- Lennox, John S., Pittsfield, Mass., assignor, by mesne assignments, to The Union Switch and Signal Company. Inductive or transformer bond. No. 1,085,616; Feb. 3; Gaz. vol. 199; p. 13.
- Lenord, John. (See Dolan and Lenord.)
- Lent, Cyrenus W., Byron, Cal. Smoke-precipitator. No. 1,103,304; July 14; Gaz. vol. 204; p. 423.
- Lentz, Amandus L., Treichlers, assignor of one-half to Augustus Wolf and Company, Chambersburg, Pa. Screen attachment for rolling-machines. No. 1,084,646; Jan. 20; Gaz. vol. 198; p. 518.
- Lentz, Hugo, Grunewald, near Berlin, Germany. Fluid transmission-gear. No. 1,106,390; Aug. 11; Gaz. vol. 205; p. 321.
- Lertz, Hugo, Berlin-Grunewald, Germany. Valve mechanism for hydraulic transmission. No. 1,107,675; Aug. 18; Gaz. vol. 205; p. 825.
- Lentz, Hugo, Halensee, near Berlin, Germany. Mid-exhaust steam-engine. No. 1,118,661; Nov. 24; Gaz. vol. 208; p. 1235.
- Lentz, Hugo, Halensee, near Berlin, Germany. Compound steam-engine. No. 1,118,662; Nov. 24; Gaz. vol. 208; p. 1235.
- Lentz, Hugo, Halensee, near Berlin, Germany. Multicylinder steam-engine. No. 1,118,663; Nov. 24; Gaz. vol. 208; p. 1236.
- Lenz, Peter C., *et al.* (See Cotton, Howard W., assignor.)
- Lenzi, Frank, Boston, Mass. Non-refillable bottle. No. 1,104,201; July 21; Gaz. vol. 204; p. 774.
- Leon, Benjamin. (See Worth and Leon.)
- Leon, Hager, *et al.* (See Weeks, Charlie E., assignor.)
- Leon, Karl O., New York, assignor to Leon Steering Device Company, Brooklyn, N. Y. Means for automatically steering torpedoes or the like. No. 1,121,563; Dec. 15; Gaz. vol. 209; p. 1011.
- Leon Steering Device Company. (See Leon, Karl O., assignor.)
- Leonard, Chester R. (See Carey and Leonard.)
- Leonard, Elof R., Woodcliff, N. J. Window frame and sashes. No. 1,099,184; June 9; Gaz. vol. 203; p. 322.
- Leonard, Elof R., Woodcliff, N. J. Sash-guide. No. 1,105,147; July 28; Gaz. vol. 204; p. 1150.
- Leonard, Elof R., Woodcliff, N. J. Sash-guide. No. 1,115,844; Nov. 3; Gaz. vol. 208; p. 129.
- Leonard, Frank B., Detroit, Mich. Hydrocarbon-burner. No. 1,091,676; Mar. 31; Gaz. vol. 200; p. 1192.
- Leonard, George I., Los Angeles, and W. C. Cutler, Sattelle, Cal. Refrigerating apparatus. No. 1,086,675; Feb. 10; Gaz. vol. 199; p. 428.
- Leonard, Harry W., Bronxville, N. Y. Electrically-propelled vehicle. No. 1,121,379; Dec. 15; Gaz. vol. 209; p. 946.
- Leonard, Harry W., Bronxville, N. Y. Electrically-propelled vehicle. No. 1,121,380; Dec. 15; Gaz. vol. 209; p. 947.
- Leonard, Harry W., Bronxville, N. Y. Electrically-propelled vehicle. No. 1,121,381; Dec. 15; Gaz. vol. 209; p. 947.
- Leonard, Harry W., Bronxville, N. Y. Electrically-propelled vehicle. No. 1,121,382; Dec. 15; Gaz. vol. 209; p. 948.
- Leonard, Harry W., Bronxville, N. Y. Controlling electric energy. No. 1,122,774; Dec. 29; Gaz. vol. 209; p. 1505.
- Leonard, Herbert C., Acushnet, assignor to Atlas Tack Company, Fairhaven, Mass. Magazine and feeder for sheet-metal strips. No. 1,094,369; Apr. 21; Gaz. vol. 201; p. 833.
- Leonard, Herbert C., Acushnet, assignor to Atlas Tack Company, Fairhaven, Mass. Strip-feeding mechanism. No. 1,109,237; Sept. 1; Gaz. vol. 206; p. 135.
- Leonard, Irving S. (See Gottschalk, John J., assignor.)
- Leonard, John E., Portland, Ore. Moving-picture machine. No. 1,102,933; July 7; Gaz. vol. 204; p. 246.
- Leonard, John E., Portland, Ore. Moving-picture machine. No. 1,102,988; July 7; Gaz. vol. 204; p. 264.
- Leonard, John W., Newburgh, N. Y. Spring-tire for vehicle-wheels. No. 1,090,996; Mar. 24; Gaz. vol. 200; p. 918.
- Leonard, Joseph E., Cedar Rapids, Iowa. Stove-key-plate ratchet-support. No. 1,095,333; May 5; Gaz. vol. 202; p. 55.
- Leonard, Joseph T., St. Charles, Mo. Hair-pin. No. 1,102,155; June 30; Gaz. vol. 203; p. 1490.
- Leonard, Leon E., Buffalo, assignor, by mesne assignments, to The Superior Register Company, Canisteo, N. Y. Account file or register. No. 1,107,326; Aug. 18; Gaz. vol. 205; p. 699.
- Léonard, Magnodeix, Montreal, Quebec, Canada. Automobile driving and steering mechanism. No. 1,097,807; May 26; Gaz. vol. 202; p. 1029.
- Leonard, Mercer M. (See White and Leonard.)
- Leonard, Milton M., Richmond, Va. Spigot or faucet. No. 1,095,003; Apr. 28; Gaz. vol. 201; p. 1119.
- Leonard, Raymond, Pittsford, N. Y. Implement for straightening flanges. No. 1,118,871; Nov. 24; Gaz. vol. 208; p. 1305.
- Leonard, Simon F. (See Zentz, John M., assignor.)
- Leonard, William C., Walla Walla, assignor of one-half to A. F. Brockman, Bickleton, Wash. Automatic feeder for grain-separators. No. 1,104,122; July 21; Gaz. vol. 204; p. 747.
- Leonard, William R., Cincinnati, Ohio. Liquid-container. No. 1,084,944; Jan. 20; Gaz. vol. 198; p. 620.
- Leonardi, Carlo, Milan, Italy. Portable rotary hammer. No. 1,094,664; Apr. 28; Gaz. vol. 201; p. 1000.
- Leonhard, Frederick W., Buffalo, N. Y. Door for floors and sidewalks. No. 1,115,554; Nov. 3; Gaz. vol. 208; p. 30.
- Leonhardt, August, and L. Bönninger, assignors to Gelsenkirchener Gusstahl-U. Eisenwerke vormals Munscheid & Co., Gelsenkirchen, Germany. Axle with a pair of wheels in wagon-axle boxes. No. 1,116,451; Nov. 10; Gaz. vol. 208; p. 376.
- Leopold, Arthur C. S., assignor of one-half to P. A. Brown, Perry township, Montgomery county, Ohio. Balanced steam-valve. No. 1,097,178; May 19; Gaz. vol. 202; p. 765.
- Leopold, Carl A. and C. S., Burlington, Iowa. Pedestal type-writer stand. No. 1,106,311; Aug. 4; Gaz. vol. 205; p. 250.
- Leopold, Carl S. (See Leopold, Carl A. and C. S.)
- Leopold, George O. (See Fegley and Leopold.)
- Leopold, George O., assignor to North Bro's M'fg Co., Philadelphia, Pa. Bench-drill. No. 1,087,794; Feb. 17; Gaz. vol. 199; p. 866.
- Leopold, George O., assignor to North Bro's M'fg Co., Philadelphia, Pa. Bench-drill. No. 1,103,782; July 14; Gaz. vol. 204; p. 590.
- Leopold, George O., assignor to North Bro's M'fg Co., Philadelphia, Pa. Drill. No. 1,103,783; July 14; Gaz. vol. 204; p. 590.
- Leopold, George O., assignor to North Bro's M'fg Co., Philadelphia, Pa. Change-speed mechanism. No. 1,103,784; July 14; Gaz. vol. 204; p. 591.
- Leopold, George O., assignor to North Bro's M'fg Co., Philadelphia, Pa. Automatic stop for drills. No. 1,103,785; July 14; Gaz. vol. 204; p. 591.
- Leppe, Dominick S., *et al.* (See Brooks, Harry, assignor.)
- Lerch, Frederick J., *et al.* (See Agan, John P., assignor.)
- Lerche, Julius, Steglitz, near Berlin, assignor to Deutsche Post- und Eisenbahn-Verkehrswesen Aktiengesellschaft (Dapageefubag), Staaken, near Spandau, Germany. Device for printing prepaid postage on postal packages. No. 1,089,928; Mar. 10; Gaz. vol. 200; p. 480.
- Lerche, Julius, Steglitz, near Berlin, assignor to Deutsche Post- und Eisenbahn-Verkehrswesen Aktiengesellschaft (Dapag-Efubag), Staaken, near Spandau, Germany. Apparatus for printing prepaid postage. No. 1,114,893; Oct. 27; Gaz. vol. 207; p. 1004.
- Lerio, Louis, Mobile, Ala. Liquid-receptacle. No. 1,113,660; Oct. 13; Gaz. vol. 207; p. 477.
- Lerma, Mike R. (See Lopez and Lerma.)
- Lertora, Italo, Genoa, Italy. Liquid-fuel burner. No. 1,115,218; Oct. 27; Gaz. vol. 207; p. 1122.
- Leschbrandt, Einar, Philadelphia, Pa., assignor to Krell Auto-Grand Plano Company of America, Connersville, Ind. Pneumatic musical instrument. No. 1,116,345; Nov. 3; Gaz. vol. 208; p. 299.
- Leschnik, Philip. (See Brenner and Leschnik.)
- Lesko, James F., assignor of one-half to himself and one-half to A. J. Franek, Chicago, Ill. Lock circuit-closer. No. 1,122,010; Dec. 22; Gaz. vol. 209; p. 1205.
- Leslie, Duncan L., and J. L. Harris, Roanoke Rapids, N. C. Paper-making machine. No. 1,104,518; July 21; Gaz. vol. 204; p. 886.
- Leslie, James W. (See Winn, Richard T., assignor.)
- Leslie, John A., Antelope, Ore. Hammer. No. 1,089,234; Mar. 3; Gaz. vol. 200; p. 193.
- Lesselbaum, Rubin, New York, N. Y. Sportsman's suit. No. 1,084,945; Jan. 20; Gaz. vol. 198; p. 620.
- Lesser, Annie, New York, N. Y. Cap. No. 1,097,133; May 19; Gaz. vol. 202; p. 750.
- Lesser, Emil. (See Chapin and Lesser.)
- Lesses, Isaac. (See Casey and Lesses.)
- Lessig, George, Reading, Pa. Railway-tie. No. 1,098,810; June 2; Gaz. vol. 203; p. 153.

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- Lester, Isaac E., Birmingham, England. Casting of iron. No. 1,093,443; Apr. 14; Gaz. vol. 201; p. 486.
- Lester, John E., assignor, by mesne assignments, to S. J. Phillips, Portland, Oreg. Hydraulic ram. No. 1,102,217; June 30; Gaz. vol. 203; p. 1514.
- Lesway, Robert, *et al.* (See McColeman, Arthur D., assignor.)
- Lethbridge, Robert C. B., Port Kennedy, Pa. Fireless brooder. No. 1,108,917; Sept. 1; Gaz. vol. 206; p. 19.
- Letort, Alfred, Paris, France. Machine for breaking and packaging blocks of sugar. No. 1,084,887; Jan. 20; Gaz. vol. 198; p. 601.
- Leushner, William F., Buffalo, N. Y. Gun-sight. No. 1,088,352; Feb. 24; Gaz. vol. 199; p. 1105.
- Leuthesser, Fred W., Chicago, Ill. Thermostatic member for air-valves for radiators. No. 1,089,929; Mar. 10; Gaz. vol. 200; p. 480.
- Leuthesser, Fred W., Chicago, Ill. Thermostatic trap or valve. No. 1,098,275; May 26; Gaz. vol. 202; p. 1193.
- Leuthesser, Fred W., Chicago, Ill. Steam, air, and water trap valve. No. 1,102,768; July 7; Gaz. vol. 204; p. 191.
- Leuthner, Frank J. (See Tickner, Frank W., assignor.)
- Levalley, Christopher W., Milwaukee, Wis. Inhaler. No. 1,091,362; Mar. 24; Gaz. vol. 200; p. 1041.
- Levan, John M., Numidia, Pa. Trace-holder. No. 1,121,514; Dec. 15; Gaz. vol. 209; p. 993.
- Levasseur, Clement C., and D. M. Morris, Mastelle, Iowa. Rural-mail-delivery apparatus. No. 1,113,451; Oct. 13; Gaz. vol. 207; p. 406.
- Levedahl, Axel, and R. A. Norling, Aurora, assignors to Aurora Automatic Machinery Company, Chicago, Ill. Rivet-set retainer. No. 1,105,669; Aug. 4; Gaz. vol. 205; p. 29.
- Lévéque, Charles, Montreal, Quebec, Canada. Lathe. No. 1,121,188; Dec. 15; Gaz. vol. 209; p. 882.
- Lever Brothers. (See Testrup, Nils, assignor.)
- Levering, Henry W., assignor to I X L Pump and Manufacturing Company, Philadelphia, Pa. Means for closing valves. No. 1,094,796; Apr. 28; Gaz. vol. 201; p. 1046.
- Levey, John. (See Zander and Levey.)
- Levey, John, assignor to National Machine Works, Chicago, Ill. Pipe-clamp. No. 1,114,273; Oct. 20; Gaz. vol. 207; p. 734.
- Levey, Joseph K., Detroit, Mich. Horseshoe. No. 1,089,235; Mar. 3; Gaz. vol. 200; p. 193.
- Levie, Joseph M., New York, N. Y. Box. No. 1,112,147; Sept. 29; Gaz. vol. 206; p. 1314.
- Levin, Harris, Brooklyn, N. Y. Pin-clutch. No. 1,118,025; Nov. 24; Gaz. vol. 208; p. 1012.
- Levin, Isaac, Brooklyn, N. Y. Adjustable garment-form. No. 1,102,596; July 7; Gaz. vol. 204; p. 132.
- Levin, Isaac, New York, N. Y. Garment-form. No. 1,102,597; July 7; Gaz. vol. 204; p. 132.
- Levin, Isaac H., Newark, N. J., assignor to International Oxygen Company. Electrolytic apparatus. No. 1,094,728; Apr. 28; Gaz. vol. 201; p. 1024.
- Levin, Jacob H. (See Morrison and Levin.)
- Levin, Samuel, Highland Park, Ill. Stylus. No. 1,114,493; Oct. 20; Gaz. vol. 207; p. 814.
- Levin, Samuel I. (See Frude, Frank H., assignor.)
- Levine, Harry, Chicago, Ill. Finishing-machine. No. 1,104,683; July 21; Gaz. vol. 204; p. 941.
- Levine, Harry, Chicago, Ill. Polishing-machine. No. 1,104,684; July 21; Gaz. vol. 204; p. 941.
- Levine, Maximilian P., Chicago, Ill. Combined folder and return-envelop. No. 1,089,486; Mar. 10; Gaz. vol. 200; p. 326.
- Levinstein, Herbert, and J. Baddiley, assignors to Levinstein, Limited, Blackley, Manchester, England. Azo dyestuffs and their production. No. 1,092,842; Apr. 14; Gaz. vol. 201; p. 283.
- Levinstein, Limited. (See Levinstein and Baddiley, assignors.)
- Levis, John H., Jr., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Manual-call-distributing system. No. 1,100,749; June 23; Gaz. vol. 203; p. 949.
- Levison, Maurice, assignor to Chicago Signal Company, Chicago, Ill. Selective signal-transmitter. No. 1,085,142; Jan. 27; Gaz. vol. 198; p. 723.
- Levison, Maurice, assignor to Chicago Signal Company, Chicago, Ill. Signaling system. No. 1,100,382; June 16; Gaz. vol. 203; p. 772.
- Levison, Maurice, assignor to Chicago Signal Company, Chicago, Ill. Signaling system. No. 1,108,998; Sept. 1; Gaz. vol. 206; p. 50.
- Levison, Maurice, assignor to Chicago Signal Company, Chicago, Ill. Annunciator-cabinet. No. 1,108,999; Sept. 1; Gaz. vol. 206; p. 51.
- Levoy, Joe, and A. Fried, Los Angeles, Cal. Combination baby-carriage and cradle. No. 1,101,458; June 23; Gaz. vol. 203; p. 1195.
- Levoz, Toussaint, Héer, Belgium. Electric furnace. No. 1,094,912; Apr. 28; Gaz. vol. 201; p. 1086.
- Levy, Charles M., New York, N. Y. Cuff-button. No. 1,087,452; Feb. 17; Gaz. vol. 199; p. 749.
- Levy, David, New York, N. Y. Airship. No. 1,122,135; Dec. 22; Gaz. vol. 209; p. 1245.
- Levy, Firm of Henri. (See Belz, August, assignor.)
- Levy, Julius. (See Levy, William and J.)
- Levy, Mark, Healdsburg, Cal. Sad-iron stand. No. 1,083,748; Jan. 6; Gaz. vol. 198; p. 163.
- Levy, William and J., Baltimore, Md. Hat-cushion. No. 1,090,314; Mar. 17; Gaz. vol. 200; p. 653.
- Lewallen, Dick, Manhattan, Kans. Feeding device for threshing-machines. No. 1,122,958; Dec. 29; Gaz. vol. 209; p. 1569.
- Lewerenz, Ernst, Utica, Mich. Support for curtain and drape rods. No. 1,088,430; Feb. 24; Gaz. vol. 199; p. 1132.
- Lewers, Robert J., Newport News, Va. Toilet-disinfectant. No. 1,117,868; Nov. 17; Gaz. vol. 208; p. 918.
- Lewin, Walter, Aberdeen, Wash. Taximeter. No. 1,084,018; Jan. 13; Gaz. vol. 198; p. 281.
- Lewis, Alfred M. and F. M., Minter, Tex. Automobile-wheel. No. 1,117,135; Nov. 10; Gaz. vol. 208; p. 620.
- Lewis, Alonzo E., Ingersoll, Ontario, Canada. Cushion-wheel. No. 1,099,609; June 9; Gaz. vol. 203; p. 468.
- Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Machine for making coil-springs. No. 1,083,501; Jan. 6; Gaz. vol. 198; p. 80.
- Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Wire-feeding mechanism. No. 1,097,652; May 26; Gaz. vol. 202; p. 973.
- Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Tandem press. No. 1,106,571; Aug. 11; Gaz. vol. 205; p. 389.
- Lewis, Benjamin F. and J. W., Hartland, Kans. Automatic hay-ejector for sweep-rakes. No. 1,093,444; Apr. 14; Gaz. vol. 201; p. 486.
- Lewis, Benjamin T. (See Donaldson and Lewis.)
- Lewis, Chauncey O. (See Cooke and Lewis.)
- Lewis, Clarence E., Grand Rapids, Mich. Table-caster. No. 1,116,086; Nov. 3; Gaz. vol. 208; p. 213.
- Lewis, David C., Youngstown, Ohio. Shampoo-tray. No. 1,111,311; Sept. 22; Gaz. vol. 206; p. 989.
- Lewis, Dean C., Reading, Pa. Mechanically-operated gear-changing mechanism for automobiles. No. 1,092,922; Apr. 14; Gaz. vol. 201; p. 309.
- Lewis, Edward J., Chico, Cal. Safety-envelop. No. 1,106,721; Aug. 11; Gaz. vol. 205; p. 441.
- Lewis, Fitz James, Empire, Canal Zone. Pipe-coupling. No. 1,107,327; Aug. 18; Gaz. vol. 205; p. 700.
- Lewis, Frank M. (See Lewis, Alfred M. and F. M.)
- Lewis, Frank M., Tracy, Ill. Differential mechanism. No. 1,091,580; Mar. 31; Gaz. vol. 200; p. 1159.
- Lewis, Fred K., assignor to The Ashtabula Bow Socket Company, Ashtabula, Ohio. Vehicle top-support. No. 1,109,431; Sept. 1; Gaz. vol. 206; p. 204.
- Lewis, Fritz J., Empire, Canal Zone. Pneumatic tool. No. 1,117,679; Nov. 17; Gaz. vol. 208; p. 852.
- Lewis, George, South Boston, Mass. Tool for gripping and lifting. No. 1,091,937; Mar. 31; Gaz. vol. 200; p. 1283.
- Lewis, George S., Springfield, assignor to J. Stevens Arms & Tool Company, Chicopee Falls, Mass. Firearm. No. 1,086,378; Feb. 10; Gaz. vol. 199; p. 324.
- Lewis, George S., Springfield, assignor to J. Stevens Arms & Tool Company, Chicopee Falls, Mass. Firearm. No. 1,094,729; Apr. 28; Gaz. vol. 201; p. 1024.
- Lewis, George T., Seattle, Wash. Monorail-car. No. 1,091,853; Mar. 31; Gaz. vol. 200; p. 1255.
- Lewis, George T., assignor to one-half to G. C. Poundstone, Chicago, Ill. Floor-washing device. No. 1,103,786; July 14; Gaz. vol. 204; p. 591.
- Lewis, George W., Grinnell, Iowa. Dolly-shaft bearing for washing-machines. No. 1,113,452; Oct. 13; Gaz. vol. 207; p. 407.
- Lewis, George W., Grinnell, Iowa. Gearing device for washing-machines and wringers. No. 1,116,087; Nov. 3; Gaz. vol. 208; p. 213.
- Lewis, George W., Grinnell, Iowa. Gearing for washing-machines. No. 1,119,438; Dec. 1; Gaz. vol. 209; p. 185.
- Lewis, George W., assignor to Grinnell Washing Machine Company, Grinnell, Iowa. Clothes-wringer. No. 1,107,676; Aug. 18; Gaz. vol. 205; p. 825.
- Lewis, Gustave A., Troy, N. Y. Ripping-needle. No. 1,098,579; June 2; Gaz. vol. 203; p. 78.
- Lewis, Harold A., and F. G. Price, Cobalt, Ontario, Canada; said Price assignor to said Lewis, Oruro, Bolivia. Extraction of arsenic or antimony from ores containing same. No. 1,104,810; July 28; Gaz. vol. 204; p. 1035.
- Lewis, Harry, and C. J. Wright, assignors to The Harris Automatic Press Company, Niles, Ohio. Delivery mechanism for printing-presses. No. 1,084,019; Jan. 13; Gaz. vol. 198; p. 282.
- Lewis, Harry A., Norristown, Pa. Roller-table for rolling-mills. No. 1,114,621; Oct. 20; Gaz. vol. 207; p. 854.
- Lewis, Harry H., Bakersfield, Cal. Reinforcing drill-tool joint. No. 1,101,805; June 30; Gaz. vol. 203; p. 1367.
- Lewis, Harry W., Milwaukee, Wis. Container. No. 1,122,513; Dec. 29; Gaz. vol. 209; p. 1413.
- Lewis, Henry. (See Givens and Lewis.)

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- Lewis, Isaac N., Fort Hamilton, N. Y. Stake-mount for firearms. No. 1,107,805; Aug. 18; Gaz. vol. 205; p. 870.
- Lewis, James N., San Francisco, Cal. Vehicle spring shock-absorber. No. 1,089,363; Mar. 3; Gaz. vol. 200; p. 234.
- Lewis, John A. M., and F. A. Wager, Salt Lake City, Utah. Furniture-polish. No. 1,121,590; Dec. 15; Gaz. vol. 209; p. 1020.
- Lewis, John C. (See Doersch, George M., assignor.)
- Lewis, John F., Philadelphia, Pa. Press. No. 1,087,795; Feb. 17; Gaz. vol. 199; p. 867.
- Lewis, John F., assignor to L. and B. Grease Cup Company, Philadelphia, Pa. Automatic grease-cup. No. 1,094,730; Apr. 28; Gaz. vol. 201; p. 1025.
- Lewis, John W. (See Jensen, Benson, and Lewis.)
- Lewis, John W. (See Lewis, Benjamin F. and J. W.)
- Lewis, Joseph M., Trenton, N. J. Pneumatic-cushion bolster for vehicles. No. 1,108,768; Aug. 25; Gaz. vol. 205; p. 1250.
- Lewis, Joseph W. (See Flatau, Louis S., assignor.)
- Lewis, Maurice W., Clover, Va. Sand-guard. No. 1,090,078; Mar. 10; Gaz. vol. 200; p. 529.
- Lewis, Minnie C., executrix. (See Donaldson and Lewis.)
- Lewis, Pearl A., and H. N. Faas, assignors to The American Seeding Machine Company, Springfield, Ohio. Cultivator. No. 1,093,789; Apr. 21; Gaz. vol. 201; p. 642.
- Lewis, Pearl A., and H. N. Faas, assignors to The American Seeding Machine Company, Springfield, Ohio. Single-disk furrow-opener. No. 1,114,156; Oct. 20; Gaz. vol. 207; p. 691.
- Lewis, Robert, Topeka, Kans. Lantern. No. 1,090,728; Mar. 17; Gaz. vol. 200; p. 794.
- Lewis, Rollin C., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Combination-lock. No. 1,092,843; Apr. 14; Gaz. vol. 201; p. 283.
- Lewis, Stephen M., Argenta, Ark. Rail tie and fastener. No. 1,090,315; Mar. 17; Gaz. vol. 200; p. 653.
- Lewis, Thomas, Smithfield, Pa. Bevel-gage for squares. No. 1,104,123; July 21; Gaz. vol. 204; p. 748.
- Lewis, Thomas E., Fort Worth, Tex. Friction transmission-gearing for motor-vehicles. No. 1,117,067; Nov. 10; Gaz. vol. 208; p. 596.
- Lewis, Ua, assignor to Majestic Dress Form Company, Chicago, Ill. Dress-form support. No. 1,096,848; May 19; Gaz. vol. 202; p. 648.
- Lewis, Warren, Coutolenc, Cal. Bed-cover and automobile-robe holder. No. 1,109,432; Sept. 1; Gaz. vol. 206; p. 204.
- Lewis, Wilfred, Philadelphia, Pa. Grinding-machine. No. 1,119,022; Dec. 1; Gaz. vol. 209; p. 43.
- Lewis, Wilfred, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding-machine. No. 1,113,224; Oct. 13; Gaz. vol. 207; p. 324.
- Lewis, Wilfred, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Jar-molding machine. No. 1,113,795; Oct. 13; Gaz. vol. 207; p. 526.
- Lewis, Wilfred, assignor, by mesne assignments, to The Tabor Manufacturing Company, Philadelphia, Pa. Molding-machine. No. 1,121,929; Dec. 22; Gaz. vol. 209; p. 1175.
- Lewis, Wilfred, and J. T. Ramsden, assignors to The Tabor Manufacturing Company, Philadelphia, Pa. Molding-machine. No. 1,113,794; Oct. 13; Gaz. vol. 207; p. 525.
- Lewis, Wilfred P., St. Louis, Mo. Horseshoe. No. 1,113,796; Oct. 13; Gaz. vol. 207; p. 526.
- Lewis, Willard I., Walpole, Mass., assignor of one-half to F. A. Sayles, Pawtucket, R. I. Cloth-folding machine. No. 1,109,296; Sept. 1; Gaz. vol. 206; p. 155.
- Lewis, William. (See Darnell and Lewis.)
- Lewis, William, Utica, N. Y. Bedstead. No. 1,086,828; Feb. 10; Gaz. vol. 199; p. 481.
- Lewis, William, Utica, N. Y. Spring-seat. No. 1,087,248; Feb. 17; Gaz. vol. 199; p. 678.
- Lewis, William, Utica, N. Y. Bed-spring. No. 1,111,075; Sept. 22; Gaz. vol. 206; p. 909.
- Lewis, William, Utica, N. Y. Bed-spring. No. 1,111,076; Sept. 22; Gaz. vol. 206; p. 909.
- Lewis, William H., and J. A. Pilcher, Roanoke, Va. Brake arrangement for six-wheel trucks. (Reissue.) No. 13,670; Jan. 6; Gaz. vol. 198; p. 210.
- Lewis, William H., and J. A. Pilcher, Roanoke, Va. Six-wheel truck for railway-cars. No. 1,095,582; May 5; Gaz. vol. 202; p. 140.
- Lewless, Mildred, New York, N. Y. Portable radiator-heater. No. 1,102,934; July 7; Gaz. vol. 204; p. 247.
- Lewless, Mildred, New York, N. Y. Thermostatic pressure-valve. No. 1,103,787; July 14; Gaz. vol. 204; p. 592.
- Lewthwaite, Alexander J., and C. W. Morden, assignors to Crown Columbia Paper Company, Portland, Ore. Toilet and towel paper roll and fixture. No. 1,085,387; Jan. 27; Gaz. vol. 198; p. 810.
- Lewyt, Arthur, Brooklyn, N. Y. Clothes-hanger. No. 1,099,261; June 9; Gaz. vol. 203; p. 348.
- Lexa, Charles, St. Louis, Mo. Rotary engine. No. 1,122,403; Dec. 29; Gaz. vol. 209; p. 1375.
- Ley, Hermann, assignor to Vereinigte Seidenfärbereien C. A. Langenbeck & I. P. Lohe, Elberfeld, Germany. Softening water. No. 1,109,849; Sept. 8; Gaz. vol. 206; p. 391.
- Leydecker, Adolph J. (See Leydecker, Fred J. and A. J.)
- Leydecker, Fred J. and A. J., Ebenezer, N. Y. Concrete-mold. No. 1,109,433; Sept. 1; Gaz. vol. 206; p. 204.
- Leyendecker, Peter J., Haddonfield, N. J. Condenser. No. 1,109,434; Sept. 1; Gaz. vol. 206; p. 205.
- Leyendecker, Peter J., Haddonfield, N. J. Condenser. No. 1,109,435; Sept. 1; Gaz. vol. 206; p. 205.
- Leyens, Walter S. (See Girod, Edgar F., assignor.)
- Leyh, Harry W., Jeannette, Pa. Chicken-holding device. No. 1,109,772; Sept. 8; Gaz. vol. 206; p. 364.
- Leyner, John G., Denver, Colo. Fluid-tight swiveling coupling. No. 1,096,436; May 12; Gaz. vol. 202; p. 466.
- Leyner, John G., Denver, Colo. Fluid-actuated drill-bit forming, sharpening, and shanking machine. No. 1,096,437; May 12; Gaz. vol. 202; p. 466.
- Leyner, John G., Denver, Colo. Dolly-driving mechanism for drill-sharpening and other machines. No. 1,096,438; May 12; Gaz. vol. 202; p. 467.
- Leyner, John G., Denver, Colo. Percussive drill. No. 1,106,332; Aug. 4; Gaz. vol. 205; p. 257.
- Leyson, Sackville G., Syracuse, N. Y. Electric animal-trap. No. 1,115,695; Oct. 27; Gaz. vol. 208; p. 79.
- Liach, Cosmo, New Haven, Conn. Automatic candle-extinguisher. No. 1,101,296; June 23; Gaz. vol. 203; p. 1140.
- Liardet, Arthur C. C., London, England. Non-refillable bottle and the like. No. 1,120,208; Dec. 8; Gaz. vol. 209; p. 488.
- Libbers, Clarence G., Fremont, Mich. Lock for differential gearing. No. 1,106,464; Aug. 11; Gaz. vol. 205; p. 349.
- Libbey Glass Company, The. (See Nolan, Cornelius J., assignor.)
- Libby, Sam H., East Orange, N. J., assignor to General Electric Company. Electrically-operated I-beam switch. No. 1,091,677; Mar. 31; Gaz. vol. 200; p. 1193.
- Libby, Sam H., East Orange, N. J., assignor to General Electric Company. Guide-rollers for overhead conveyers. No. 1,119,762; Dec. 1; Gaz. vol. 209; p. 294.
- Liberty Trust Company, trustee. (See Henrici, William A. E., assignor.)
- Libson, Nicholas, Homestead, Pa. Fly-trap. No. 1,084,647; Jan. 20; Gaz. vol. 198; p. 518.
- Libke, Robert H., assignor to Steiner Manufacturing Company, Chilton, Wis. Internal-combustion engine. No. 1,117,201; Nov. 17; Gaz. vol. 208; p. 683.
- Libonati, Philip, New York, N. Y. Box-opener. No. 1,090,316; Mar. 17; Gaz. vol. 200; p. 653.
- Library Bureau. (See Merrill, William F., assignor.)
- Lichtenberg, Erich H., assignor to Koehring Machine Company, Milwaukee, Wis. Control mechanism for concrete-mixers. No. 1,103,788; July 14; Gaz. vol. 204; p. 592.
- Lichtenberg, Erich H., assignor to Koehring Machine Company, Milwaukee, Wis. Stop mechanism for concrete-distributors. No. 1,113,661; Oct. 13; Gaz. vol. 207; p. 478.
- Lichtenstein, Edwin, and C. Vita, New York, N. Y. Laundry apparatus. No. 1,111,752; Sept. 29; Gaz. vol. 206; p. 1178.
- Lichtenstein, Edwin, and C. Vita, New York, N. Y. Collar-former. No. 1,117,202; Nov. 17; Gaz. vol. 208; p. 684.
- Lichtenthaler, Frank E., Newton, Mass. Extracting rosins from resinous wood. No. 1,104,912; July 28; Gaz. vol. 204; p. 1071.
- Lichter, John J., St. Louis, Mo. Heat-treating apparatus. No. 1,112,074; Sept. 29; Gaz. vol. 206; p. 1289.
- Lichter, John J., and J. N. Maher, assignors to St. Louis Frog & Switch Company, St. Louis, Mo. Grinding-machine. No. 1,112,015; Sept. 29; Gaz. vol. 206; p. 1268.
- Lichter, Malvin, New York, N. Y. Fan. No. 1,110,803; Sept. 15; Gaz. vol. 206; p. 770.
- Lichter, Ruben, assignor to Superior Floor Oiler Co., Inc., New York, N. Y. Floor-polishing device. No. 1,111,697; Sept. 22; Gaz. vol. 206; p. 1124.
- Liddell, James. (See Wraae and Liddell.)
- Lide, Thomas P. (See Packer, Willard N., assignor.)
- Lidholm, Frans O., Chicago, Ill. Box-cover opener. No. 1,084,093; Jan. 13; Gaz. vol. 198; p. 307.
- Lidseen, Gustave, Chicago, Ill. Sealing tool or chuck for bottles. No. 1,111,753; Sept. 29; Gaz. vol. 206; p. 1178.
- Lidster, Milner, and C. Andersen, Los Angeles, Cal. Shaft-centering device. No. 1,097,036; May 19; Gaz. vol. 202; p. 715.
- Lieb, John M., Atkins, Iowa. Bracket. No. 1,114,997; Oct. 27; Gaz. vol. 207; p. 1043.
- Liebau, Richard, Watervliet, N. Y., assignor to The Westinghouse Air Spring Company. Vehicle and elastic suspension device therefor. No. 1,111,754; Sept. 29; Gaz. vol. 206; p. 1178.
- Liébeaux, Gaston V., Nantes, France. System of plates of reinforced concrete for improving and solidifying railway-tracks. No. 1,099,656; June 9; Gaz. vol. 203; p. 484.
- Liebeck, Harry, Philadelphia, Pa., assignor to Scott Paper Company. Paper-serving apparatus. No. 1,101,862; June 30; Gaz. vol. 203; p. 1386.
- Lieben, Ernst von, administrator. (See Lieben and Reisz.) (Reissue.)

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- Lieben, Robert von, deceased, (E. von Lieben, administrator, Vienna, Austria-Hungary,) and E. Reisz, Berlin, Germany, assignors to Relais-Gesellschaft m. b. H., Vienna, Austria-Hungary. Relay for undulatory currents. (Reissue.) No. 1,377,979; July 21; Gaz. vol. 204; p. 973.
- Liebenstein, Morton S. (See O'Connell, Thomas, assignor.)
- Liebenthal, Herman G., Philadelphia, Pa. Duplicating-machine. No. 1,085,618; Feb. 13; Gaz. vol. 199; p. 13.
- Liebenthal, Herman G., assignor to K. R. O'Kane, Philadelphia, Pa. Duplicating-machine. No. 1,085,617; Feb. 3; Gaz. vol. 199; p. 13.
- Lieber, Otto, Hancock, and C. A. Gibbs, Houghton, Mich. Sliding track for skip-roads. No. 1,093,708; Apr. 21; Gaz. vol. 201; p. 618.
- Lieber, William H., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Trimmer-saw. No. 1,116,301; Nov. 3; Gaz. vol. 208; p. 283.
- Lieberman, Meyer J., Baltimore, Md. Knickerbocker-knee. No. 1,113,662; Oct. 13; Gaz. vol. 207; p. 478.
- Lieberman, Michael, New York, N. Y. Sanitary transfer-holder. No. 1,084,888; Jan. 20; Gaz. vol. 198; p. 602.
- Liebermann, Oskar. (See Steiner, Liebermann, and Scharfenberg.)
- Liebig, William G., Detroit, Mich. Supporting-block for brush-backs. No. 1,119,023; Dec. 1; Gaz. vol. 209; p. 44.
- Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to Roessler & Hasslacher Chemical Company, New York, N. Y. Dehydrating perborates. No. 1,098,740; June 2; Gaz. vol. 203; p. 131.
- Liebmeyer, Meyer, New York, N. Y. Printing device. No. 1,112,629; Oct. 6; Gaz. vol. 207; p. 78.
- Liebmann, Alfred J., assignor to N. Hofheimer, New York, N. Y. Manufacture of ductile bodies of high-fusing metals and alloys of the same. No. 1,111,698; Sept. 22; Gaz. vol. 206; p. 1125.
- Liebowitz, Benjamin, New York, N. Y. Electromagnetic device. No. 1,100,188; June 16; Gaz. vol. 203; p. 705.
- Liebowitz, Benjamin, New York, N. Y. Vehicle suspension. No. 1,105,805; Aug. 4; Gaz. vol. 205; p. 75.
- Liebs, Louis A., New York, N. Y. Feed-gage for printing-presses. No. 1,119,293; Dec. 1; Gaz. vol. 209; p. 135.
- Liebscher, Robert. (See Heinz, Ignatzius, assignor.)
- Liedblad, Carl L., Jamestown, N. Y. Varnish-drying room. No. 1,104,362; July 21; Gaz. vol. 204; p. 830.
- Liedke, Willibald, Berlin, Germany. Producing compressed air or compressed gas especially for the operating of lamps. No. 1,095,897; May 5; Gaz. vol. 202; p. 246.
- Liedtke, Franz, Alseben-on-the-Saale, Germany. Thermometer-carrier. No. 1,102,062; June 30; Gaz. vol. 203; p. 1459.
- Liedtke, Louis H. (See Rispel, Alexander, assignor.)
- Lien, Carl O., Sutton, N. D. Gas-engine starter. No. 1,121,738; Dec. 22; Gaz. vol. 209; p. 1108.
- Lienhard, Robert, Jr. (See McNeil and Lienhard.)
- Lieser, William C. (See Schmitt, Henry F., assignor.)
- Liess, William, assignor of one-half to F. Bosz, Buffalo, N. Y.; L. Lease, administratrix of said W. Lease (or Liess), deceased. Fire-escape. No. 1,086,329; Feb. 3; Gaz. vol. 199; p. 259.
- Lietzenmayer, Otto, Munich, Germany. Fuel-pump for internal-combustion engines. No. 1,095,004; Apr. 28; Gaz. vol. 201; p. 1119.
- Ligeour, Joseph C., Fitzgerald, Ga. Bottle-carrier. No. 1,112,300; Sept. 29; Gaz. vol. 206; p. 1367.
- Liggett, Hugh C., Salineville, Ohio. Dirigible headlight. No. 1,120,066; Dec. 8; Gaz. vol. 209; p. 437.
- Liggett, William K., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Pulverizer. No. 1,085,692; Feb. 3; Gaz. vol. 199; p. 40.
- Light, Claus H., assignor of one-half to A. L. Irwin, Des Moines, Iowa. Trolley. No. 1,096,379; May 12; Gaz. vol. 202; p. 447.
- Light, Claus H., assignor of one-half to C. W. Seipel, Des Moines, Iowa. Resilient wheel. No. 1,096,380; May 12; Gaz. vol. 202; p. 447.
- Light, G. O. (See Kirkley, Hiram D., assignor.)
- Light, Robert L., Wriston, assignor of one-half to W. L. Coen, Oak Hill, W. Va. Trap. No. 1,111,596; Sept. 22; Gaz. vol. 206; p. 1088.
- Lightbody, Thomas, Youngstown, Ohio. Concrete-distributor. No. 1,088,353; Feb. 24; Gaz. vol. 199; p. 1105.
- Lighter, Charles E., Mason City, Iowa. Motor-vehicle. No. 1,093,445; Apr. 14; Gaz. vol. 201; p. 486.
- Lightipe, James A., Los Angeles, Cal. Automatic fire-starting device. No. 1,083,749; Jan. 6; Gaz. vol. 198; p. 163.
- Lightle, Harvey H., Syracuse, N. Y. Protractor. No. 1,096,511; May 12; Gaz. vol. 202; p. 491.
- Lightner, Guss A., assignor of one-half to R. B. Sifers, Olustee, Okla. Popcorn-vending machine. No. 1,090,729; Mar. 17; Gaz. vol. 200; p. 795.
- Lightning Demountable Rim Company. (See Cameron, Charles E., assignor.)
- Ligon, Arthur L., Lobo, Tex. Single well cylinder. No. 1,120,826; Dec. 15; Gaz. vol. 209; p. 754.
- Ligon, Harry W., Atlanta, Ga., assignor to Continental Gin Company, Birmingham, Ala. Gin-saw-space-block-sizing machine. No. 1,089,566; Mar. 10; Gaz. vol. 200; p. 353.
- Ligush, Mike, and P. Gerfy, Scalp Level, Pa. Letter-box. No. 1,096,040; May 12; Gaz. vol. 202; p. 331.
- Lihme, Iens P., Lakewood, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Manufacturing sulfuric acid. No. 1,103,522; July 14; Gaz. vol. 204; p. 496.
- Likely, Charles H., Woody, assignor of one-half to C. C. Taylor, Kernville, Cal. Cutter-bar for mowing-machines. No. 1,085,349; Jan. 27; Gaz. vol. 198; p. 797.
- Likes, Clyde N., assignor of one-half to O. E. Likes, Kendallville, Ind. Corn-cutter. No. 1,110,502; Sept. 15; Gaz. vol. 206; p. 665.
- Likes, Elbridge T., Des Moines, Iowa. Building-block. No. 1,107,428; Aug. 18; Gaz. vol. 205; p. 738.
- Likes, Otto E. (See Likes, Clyde N., assignor.)
- Lilienfeld, Julius E., Leipzig, Germany. Process and apparatus for producing Roentgen rays. No. 1,122,011; Dec. 22; Gaz. vol. 209; p. 1205.
- Lilienfeld, Leon, Vienna, Austria-Hungary. Manufacturing compositions of matter. No. 1,090,730; Mar. 17; Gaz. vol. 200; p. 795.
- Lilja, Gust, Rockford, Ill. Car-wheel. No. 1,116,898; Nov. 10; Gaz. vol. 208; p. 538.
- Liljegan, Ernest W., Medford, Oreg. Dam. No. 1,084,454; Jan. 13; Gaz. vol. 198; p. 425.
- Liljencrantz, Gustave A. M., Chicago, Ill. Toy gun. No. 1,089,713; Mar. 10; Gaz. vol. 200; p. 404.
- Liljenroth, Frans G., Vesterås, Sweden. Means for influencing the variations of magnetic fields. No. 1,100,895; June 23; Gaz. vol. 203; p. 1001.
- Lillard, David B., Elkmont, Ala. Fifth-wheel for buggies. No. 1,092,371; Apr. 7; Gaz. vol. 201; p. 86.
- Lilleberg, Charles L., Chicago, Ill. Sheet-trimming machine. No. 1,120,394; Dec. 8; Gaz. vol. 209; p. 554.
- Lilley, Alfred L., Hartford, Conn. Harness device. No. 1,085,449; Jan. 27; Gaz. vol. 198; p. 829.
- Lilley, Alfred L., assignor to The Smith-Worthington Company, Hartford, Conn. Machine for folding leather. No. 1,103,972; July 21; Gaz. vol. 204; p. 696.
- Lilley, Charles E., Bluefield, W. Va., assignor to Westinghouse Electric and Manufacturing Company. Locomotive side frame. No. 1,083,937; Jan. 13; Gaz. vol. 198; p. 252.
- Lilley, Robert G., assignor to The Smith-Worthington Company, Hartford, Conn. Horse-collar. No. 1,103,973; July 21; Gaz. vol. 204; p. 697.
- Lillibridge, Curtis C., Hutchinson, Kans. Electric heating-coil. No. 1,100,585; June 16; Gaz. vol. 203; p. 839.
- Lillich, Frederick, Philadelphia, Pa. Wheel-fender. No. 1,117,409; Nov. 17; Gaz. vol. 208; p. 756.
- Lillich, Frederick, Philadelphia, Pa. Wheel-fender. No. 1,118,026; Nov. 24; Gaz. vol. 208; p. 1012.
- Lillich, Frederick, Philadelphia, Pa. Wheel-fender. No. 1,118,562; Nov. 24; Gaz. vol. 208; p. 1201.
- Lillie, John A., Toronto, Ontario, Canada. Pipe-joint. No. 1,099,066; June 2; Gaz. vol. 203; p. 237.
- Lillie, Samuel M., Philadelphia, Pa. Manufacture of salt by multiple-effect evaporation. No. 1,086,457; Feb. 10; Gaz. vol. 199; p. 352.
- Lilliston, Thomas M., assignor to National Machine Corporation, Suffolk, Va. Peanut-picker. (Reissue.) No. 1,371,717; Apr. 21; Gaz. vol. 201; p. 856.
- Lilliston, Thomas M., Suffolk, assignor to National Machine Corporation, Nansemond, Va. Rotary peanut-stemmer. No. 1,103,305; July 14; Gaz. vol. 204; p. 424.
- Lilyard, Floyd W. (See Fors and Lilyard.)
- Lima Locomotive Corporation. (See Austin, William A., assignor.)
- Lima Locomotive Corporation. (See Austin and Shepard, assignors.)
- Lima Locomotive Corporation. (See Shepard, Victor J., assignor.)
- Limeburner, John E., Swarthmore, Pa. Axis-index for lenses. No. 1,099,927; June 16; Gaz. vol. 203; p. 614.
- Linbarger, John W., New York, N. Y. Plumber's fitting. No. 1,115,696; Nov. 3; Gaz. vol. 208; p. 79.
- Linck, Albert J., assignor to Northwestern Mail Box Co., St. Louis, Mo. House letter-box. No. 1,090,997; Mar. 24; Gaz. vol. 200; p. 919.
- Lincoln, August V., Springfield, Mass., assignor of one-half to G. D. Cross, New York, N. Y. Wrapping-machine. No. 1,096,546; May 12; Gaz. vol. 202; p. 503.
- Lincoln, Charles L., New York, N. Y. Sanding device for automobiles. No. 1,112,301; Sept. 29; Gaz. vol. 206; p. 1367.
- Lincoln, Clarence S., Chicago, Ill. Base-ball. No. 1,089,714; Mar. 10; Gaz. vol. 200; p. 405.
- Lincoln, Clarence S., Chicago, Ill., assignor to A. G. Spalding & Bros., New York, N. Y. Base-ball bat. No. 1,121,189; Dec. 15; Gaz. vol. 209; p. 882.
- Lincoln Electric Company, The. (See Lincoln, James F., assignor.)
- Lincoln Electric Company, The. (See Lincoln, John C., assignor.)
- Lincoln Iron Works. (See Pierce, Frank, assignor.)

Alphabetical list of patentees—Continued.

- Lincoln, James F., East Cleveland, assignor to The Lincoln Electric Company, Cleveland, Ohio. Charging system for storage batteries. No. 1,122,287; Dec. 29; Gaz. vol. 209; p. 1338.
- Lincoln, John C., Cleveland, Ohio. Brush-holder. No. 1,090,159; Mar. 17; Gaz. vol. 200; p. 599.
- Lincoln, John C., East Cleveland, Ohio. Welding metals. No. 1,108,592; Aug. 25; Gaz. vol. 205; p. 1192.
- Lincoln, John C., East Cleveland, assignor to The Electric Meat Curing Company, Cleveland, Ohio. Apparatus for preserving. No. 1,102,769; July 7; Gaz. vol. 204; p. 191.
- Lincoln, John C., assignor to The Lincoln Electric Company, Cleveland, Ohio. Dynamo-electric-machine structure. No. 1,115,947; Nov. 3; Gaz. vol. 208; p. 163.
- Lind, Carl A., Malden, Ill. Rail-anchor. No. 1,117,203; Nov. 17; Gaz. vol. 208; p. 684.
- Lindahl, Gust. (See Wettervik, Axel, assignor.)
- Lindahl, Martinis J., Woodburn, Oreg. Adjustable electric-light chandelier. No. 1,104,202; July 21; Gaz. vol. 204; p. 774.
- Lindahl, Martinus J., Woodburn, Oreg. Adjustable electric drop-light. No. 1,117,869; Nov. 17; Gaz. vol. 208; p. 918.
- Lindal, Luther M., Otto, Manitoba, Canada. Motor-sleigh. No. 1,110,949; Sept. 15; Gaz. vol. 206; p. 822.
- Lindall, John, Boston, Mass. Railway-car. No. 1,097,808; May 26; Gaz. vol. 202; p. 1029.
- Lindall, John, Boston, Mass. Railway-car. No. 1,110,394; Sept. 15; Gaz. vol. 206; p. 627.
- Lindberg, Charles A. (See Redin, John E., assignor.)
- Lindberg, Emil, and G. C. Steffan, Joliet, Ill. Automatic gate for drawbridges. No. 1,101,297; June 23; Gaz. vol. 203; p. 1141.
- Lindberg, Eric. (See Carlson and Lindberg.)
- Lindberg, Ivar F., Milwaukee, Wis. Drill-chuck. (Re-issue.) No. 13,724; May 12; Gaz. vol. 202; p. 596.
- Lindberg, John. (See Carlson and Lindberg.)
- Lindberg, John F., Hibbing, Minn. Apparatus for breaking diamonds. No. 1,096,849; May 19; Gaz. vol. 202; p. 648.
- Lindberg, Mads, Boston, Mass. Sandal. No. 1,090,731; Mar. 17; Gaz. vol. 200; p. 795.
- Lindberg, Oscar F., Bradford, Pa. Chaplet. No. 1,089,001; Mar. 3; Gaz. vol. 200; p. 112.
- Lindblad, Axel R., Ludvika, Sweden. Producing soluble potassium or sodium compounds out of feldspar or mica or the like. No. 1,083,287; Jan. 6; Gaz. vol. 198; p. 10.
- Lindblom, Edward. (See Fisk and Lindblom.)
- Linde, Jose G., Luzon, Philippine Islands. Pedal-chair. No. 1,099,455; June 9; Gaz. vol. 203; p. 416.
- Lindeberg, John, assignor to The Union Special Sewing Machine Company, Chicago, Ill. Loop-taking device for sewing-machines. No. 1,098,276; May 26; Gaz. vol. 202; p. 1194.
- Lindeen, Frank, Clinton, Ill. Funnel. No. 1,099,706; June 9; Gaz. vol. 203; p. 503.
- Lindekugel, Charles H., Wellington, Colo. Grain-shocker. No. 1,088,829; Mar. 3; Gaz. vol. 200; p. 53.
- Lindelsee, William R., assignor to F. Y. Nichols, Chicago, Ill. Valve. No. 1,101,643; June 30; Gaz. vol. 203; p. 1311.
- Lindelsee, William R., assignor to F. Y. Nichols, Chicago, Ill. Valve. No. 1,117,508; Nov. 17; Gaz. vol. 208; p. 791.
- Lindeman, Max. (See Newton, Dimond C., assignor.)
- Lindemann, Albert J., assignor to A. J. Lindemann & Hoverson Co., Milwaukee, Wis. Reservoir for oil-stoves. No. 1,120,827; Dec. 15; Gaz. vol. 209; p. 754.
- Lindemann, Berthold, Los Angeles, Cal. Suspended railway. No. 1,106,102; Aug. 4; Gaz. vol. 205; p. 182.
- Lindemann, William G., Milwaukee, Wis. Electric-lamp socket. No. 1,086,543; Feb. 10; Gaz. vol. 199; p. 381.
- Lindemuth, Lewis B., Steelton, Pa. Making sound steel castings. No. 1,116,899; Nov. 10; Gaz. vol. 208; p. 538.
- Linden, Carl P., assignor to Universal Optical Corporation, Providence, R. I. Eyeglass-mounting. No. 1,121,190; Dec. 15; Gaz. vol. 209; p. 882.
- Linden, Gustaf. (See Kihlqvist and Linden.)
- Linden, Lucien, Brussels, Belgium. Oxidizing. No. 1,094,731; Apr. 28; Gaz. vol. 201; p. 1025.
- Linder, Ellis, Belleville, N. J., assignor to Aristo Company. Spool for music-rolls. No. 1,107,328; Aug. 18; Gaz. vol. 205; p. 700.
- Linder, John, Spokane, Wash. View-finder. No. 1,114,895; Oct. 27; Gaz. vol. 207; p. 1005.
- Linder, Oscar, Chicago, Ill., assignor to Western Electric Company, New York, N. Y. Manufacture of non-oxidizing conductors. No. 1,104,054; July 21; Gaz. vol. 204; p. 724.
- Linder, William C., Antonia, La. Frame construction. No. 1,092,727; Apr. 7; Gaz. vol. 201; p. 207.
- Linderholm, August S., Alamosa, Colo. Car-coupling. No. 1,122,136; Dec. 22; Gaz. vol. 209; p. 1245.
- Linderme, Emil, Philadelphia, Pa. Bottle-washing machine. No. 1,104,994; July 28; Gaz. vol. 204; p. 1097.
- Linderoth, Carl F., assignor to Rotary Tractor Company, Inc., San Bernardino, Cal. Self-propelled wheel. No. 1,101,201; June 23; Gaz. vol. 203; p. 1108.
- Lindestrom, Hjalmar, Chicago, Ill. Iron. No. 1,095,334; May 5; Gaz. vol. 202; p. 55.
- Lindestrom, Hjalmar, Chicago, Ill. Pressing-iron. No. 1,116,900; Nov. 10; Gaz. vol. 208; p. 539.
- Lindgren, Alexis C. (See Smith and Lindgren.)
- Lindgren, Alexis C., Moline, Ill., assignor to Moline Plow Company. Traction-plow. No. 1,099,456; June 9; Gaz. vol. 203; p. 416.
- Lindgren, Alexis C., Moline, Ill., assignor to Moline Plow Company. Cultivator. No. 1,106,722; Aug. 11; Gaz. vol. 205; p. 441.
- Lindgren, Alexis C., and G. G. Mandt, Moline, Ill., assignors to Moline Plow Company. Manure-spreader. No. 1,107,329; Aug. 18; Gaz. vol. 205; p. 700.
- Lindgren, Alexis C., and W. J. Cook, Moline, Ill., assignors to Moline Plow Company. Manure-spreader. No. 1,117,870; Nov. 17; Gaz. vol. 208; p. 919.
- Lindgren, Bror J. (See Hinde, Orton, and Lindgren.)
- Lindgren, Carl A. (See Perkins and Lindgren.)
- Lindhe, Eric G., New York, N. Y. Apparatus for joining sheet metal in layers. No. 1,096,512; May 12; Gaz. vol. 202; p. 492.
- Lindheimer, Adah C., New Rochelle, N. Y. Clothes-line support. No. 1,115,555; Nov. 3; Gaz. vol. 208; p. 30.
- Lindley, Charles N., et al. (See Kendall, Edward D., assignor.)
- Lindley, George W., Philadelphia, Pa. Knitting-machine. No. 1,100,750; June 23; Gaz. vol. 203; p. 950.
- Lindman, Erik H., Seattle, Wash. Artificial zenith. No. 1,090,633; Mar. 17; Gaz. vol. 200; p. 765.
- Lindmark, John G., assignor to Eskilstuna Stålpresnings Aktiebolag, Eskilstuna, Sweden. Floating submarine mine. No. 1,120,621; Dec. 8; Gaz. vol. 209; p. 635.
- Lindmark, Tore G. E., Stockholm, Sweden, assignor to De Laval Steam Turbine Company, New York, N. Y. Combined power and heating system and process. No. 1,090,485; Mar. 17; Gaz. vol. 200; p. 714.
- Lindmueller, Edward, assignor of three-fourths to J. C. McClure, Cleveland, Ohio. Oil-atomizer. No. 1,088,711; Mar. 3; Gaz. vol. 200; p. 14.
- Lindmueller, Edward, assignor to The Edward Manufacturing Company, Cleveland, Ohio. Blank-welding and chain-forming machine. No. 1,097,245; May 19; Gaz. vol. 202; p. 789.
- Lindner, Felix, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Decolorizing glycerin. No. 1,089,775; Mar. 10; Gaz. vol. 200; p. 425.
- Lindner, Heinrich R. (See Klien and Lindner.)
- Lindquist, David L., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Reversal-regulator for single-phase motors. No. 1,085,987; Feb. 3; Gaz. vol. 199; p. 146.
- Lindquist, David L., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Alternating-current motor control. No. 1,102,521; July 7; Gaz. vol. 204; p. 105.
- Lindquist, David L., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Alternating-current electromagnetic brake apparatus. No. 1,102,522; July 7; Gaz. vol. 204; p. 105.
- Lindquist, David L., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Electric slow-down device. No. 1,109,850; Sept. 8; Gaz. vol. 206; p. 391.
- Lindquist, David L., Yonkers, A. C. Smith, New York, and G. John, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Brake apparatus for traction-elevators. No. 1,102,523; July 7; Gaz. vol. 204; p. 105.
- Lindsay Auto Parts Company. (See Lindsay, Thomas J., assignor.)
- Lindsay, Charles F., Fairfield, assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Electric primer. No. 1,084,745; Jan. 20; Gaz. vol. 198; p. 554.
- Lindsay, Hamilton, and W. B. Jackson, Cleveland, Ohio. Smoke-preventer. No. 1,092,582; Apr. 7; Gaz. vol. 201; p. 158.
- Lindsay, Leroy J., Seymour, Iowa. Marker for corn-plants. No. 1,103,593; July 14; Gaz. vol. 204; p. 524.
- Lindsay, Leroy J., Seymour, Iowa. Automatic door-latch. No. 1,103,594; July 14; Gaz. vol. 204; p. 524.
- Lindsay, Thomas J., Indianapolis, Ind. Wire-wheel hub. No. 1,105,670; Aug. 4; Gaz. vol. 205; p. 29.
- Lindsay, Thomas J., Indianapolis, Ind., assignor to Lindsay Auto Parts Company. Driving-axle. No. 1,092,494; Apr. 7; Gaz. vol. 201; p. 129.
- Lindsay, Thomas J., Indianapolis, Ind., assignor to Lindsay Auto Parts Company. Driving-axle. No. 1,097,653; May 26; Gaz. vol. 202; p. 973.
- Lindsay, Thomas J., Indianapolis, Ind., assignor to Lindsay Auto Parts Company. Wheel hub and spindle for automobiles. No. 1,107,330; Aug. 18; Gaz. vol. 205; p. 701.
- Lindsay, William, Chicago, Ill., assignor to Standard Sanitary Manufacturing Company. Sifting apparatus. No. 1,120,950; Dec. 15; Gaz. vol. 209; p. 798.
- Lindsey, Archibald M., Walville, Wash. Spark-arrester. No. 1,122,288; Dec. 29; Gaz. vol. 209; p. 1338.
- Lindsey, Benjamin S., Baltimore, Md. Still. No. 1,100,834; June 23; Gaz. vol. 203; p. 980.

- Lindsey, Charles, Waynesboro, Miss. Crosscut-saw handle. No. 1,106,229; Aug. 4; Gaz. vol. 205; p. 223.
- Lindsey, George F., and G. A. Williams, Birmingham, Ala. Canopy-frame. No. 1,102,418; July 7; Gaz. vol. 204; p. 70.
- Lindsey, Tyre E., Rome, Ga. Ventilator for stock-cars. No. 1,110,447; Sept. 15; Gaz. vol. 206; p. 646.
- Lindsley, John D., Kansas City, Mo. Piano-loading apparatus. No. 1,101,644; June 30; Gaz. vol. 203; p. 1312.
- Lindsley, William L., Swissvale, Pa. Porch-swing. No. 1,121,027; Dec. 15; Gaz. vol. 209; p. 824.
- Lindstedt, Carl H., and H. Travers, Hotchkissville, Conn. Punching device. No. 1,092,274; Apr. 7; Gaz. vol. 201; p. 52.
- Lindström, Carl H., Milltown, N. J. Decapitating instrument. No. 1,090,317; Mar. 17; Gaz. vol. 200; p. 654.
- Lindström, Carl H., Milltown, N. J. Decapitating-shears. No. 1,117,068; Nov. 10; Gaz. vol. 208; p. 597.
- Lindström, Carl O., Chicago, Ill. Disinfecting or perfuming apparatus. No. 1,100,751; June 23; Gaz. vol. 203; p. 950.
- Lindström, Charles A., Pittsburgh, Pa. Car-door-operating mechanism. No. 1,086,723; Feb. 10; Gaz. vol. 199; p. 444.
- Lindström, Charles A., Pittsburgh, Pa. Car-door-operating mechanism. (Reissue.) No. 13,725; May 12; Gaz. vol. 202; p. 597.
- Lindström, Charles A., Pittsburgh, Pa. Anticlimber for passenger-cars. No. 1,097,655; May 26; Gaz. vol. 202; p. 974.
- Lindström, Charles A., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Body-bolster for railway-cars. No. 1,097,654; May 26; Gaz. vol. 202; p. 974.
- Lindström, Charles A., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car end construction. No. 1,119,845; Dec. 8; Gaz. vol. 209; p. 360.
- Lindström, Charles A., Pittsburgh, Pa., assignor to Ratchet Brake Company, New York, N. Y. Brake-actuating mechanism. No. 1,120,151; Dec. 8; Gaz. vol. 209; p. 467.
- Lindström, Charles A., Pittsburgh, Pa., assignor to Ratchet Brake Company, New York, N. Y. Brake-actuating mechanism. No. 1,120,152; Dec. 8; Gaz. vol. 209; p. 467.
- Lindström, Charles A., Pittsburgh, Pa., assignor to Ratchet Brake Company, New York, N. Y. Brake-actuating mechanism. No. 1,120,395; Dec. 8; Gaz. vol. 209; p. 554.
- Lindström, Gustaf H. (See Lagerman and Lindström.)
- Lindström, Knut I., Vibynäs, Nykvarn, assignor to Aktiebolaget Mjölkningsmaskin Omega, Flen, Sweden. Milk-mixing-machine. No. 1,103,974; July 21; Gaz. vol. 204; p. 697.
- Lindstrom, Louis F., assignor to Harvey Hubbell Inc., Bridgeport, Conn. Electric-lamp push-socket. No. 1,098,741; June 2; Gaz. vol. 203; p. 131.
- Lindstrom, Oscar S., Hartford, Conn. Key-guard. No. 1,109,931; Sept. 8; Gaz. vol. 206; p. 422.
- Line, Abraham B., Danville, Ill. Currycomb. No. 1,086,188; Feb. 3; Gaz. vol. 199; p. 215.
- Lineatime Manufacturing Co. (See Griffith, Russell B., assignor.)
- Linehan, John F., assignor to D. Saunders' Sons, Yonkers, N. Y. Screw-cutting die. No. 1,088,431; Feb. 24; Gaz. vol. 199; p. 1132.
- Lines, Jesse, Sabetha, Kans. Seed-cabinet. No. 1,099,067; June 2; Gaz. vol. 203; p. 238.
- Lines, William A., Spokane, Wash. Switch-throw. No. 1,106,657; Aug. 11; Gaz. vol. 205; p. 419.
- Linfoot, Thomas E., Flint, Mich. Brake. No. 1,097,451; May 19; Gaz. vol. 202; p. 859.
- Linga, Torbjörn, Thor, Iowa. Radiator and manufacturing the same. No. 1,110,065; Sept. 8; Gaz. vol. 206; p. 468.
- Linga, Torbjörn, Thor, Iowa, assignor to American Ditching Machine Company, West Minneapolis, Minn. Ditching-machine gage. No. 1,099,385; June 9; Gaz. vol. 203; p. 393.
- Linga, Torbjörn, Thor, Iowa, assignor to American Ditching Machine Company, West Minneapolis, Minn. Caterpillar for ditching-machines. No. 1,116,302; Nov. 3; Gaz. vol. 208; p. 283.
- Lingo, Rufus D. (See Long, John H., assignor.)
- Lingo, William T., Philadelphia, Pa. Chuck for holding nuts. No. 1,087,024; Feb. 10; Gaz. vol. 199; p. 547.
- Linhard, George. (See Cosart and Linhard.)
- Link, Adolf P., Brooklyn, N. Y. Apparatus for melting snow and drying sand and like substances. No. 1,092,778; Apr. 7; Gaz. vol. 201; p. 224.
- Link, Adolf P., Brooklyn, N. Y. Burner. No. 1,115,845; Nov. 3; Gaz. vol. 208; p. 129.
- Link, August, and J. Kopf, Mannheim, Germany. Auxiliary driving device for transport-wagons. No. 1,118,027; Nov. 24; Gaz. vol. 208; p. 1012.
- Link-Belt Company. (See Dodge, James M., assignor.)
- Link-Belt Company. (See Howson, Henry, assignor.)
- Link-Belt Company. (See Pratt, Howell D., assignor.)
- Link-Belt Company. (See Rapp, Axel G. J., assignor.)
- Link Belt Company. (See Shannon, Nicholas, assignor.)
- Link, Jacob J. (See Blofield and Link.)
- Link, Lewis, Cottonwood Falls, assignor of one-half to H. C. Wallace, Wichita, Kans., and one-half to J. I. Wallace, Kansas City, Mo. Hood for pneumatic stackers. No. 1,096,041; May 12; Gaz. vol. 202; p. 331.
- Link, Ludwig. (See Koehler and Link.)
- Link, Manfred W., Seattle, Wash. Automobile axle-gage. No. 1,114,374; Oct. 20; Gaz. vol. 207; p. 769.
- Link, Oliver L., St. Charles, Mo. Trap-door. No. 1,122,514; Dec. 29; Gaz. vol. 209; p. 1413.
- Link, Philipp, Newark, N. J. Dough mixing and kneading apparatus. No. 1,105,148; July 28; Gaz. vol. 204; p. 1150.
- Link, Rolls P., Winchmore Hill, England. Liquid-dispensing machine. No. 1,100,586; June 16; Gaz. vol. 203; p. 840.
- Link Side-Bearing Company. (See Stoikowitz, Alexander, assignor.)
- Link, Vincent, Detroit, Mich. Motor valve mechanism. No. 1,100,023; June 16; Gaz. vol. 203; p. 647.
- Link, Vincent, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,083,330; Jan. 6; Gaz. vol. 198; p. 24.
- Link, Vincent, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Throttle and spark governor. No. 1,108,198; Aug. 25; Gaz. vol. 205; p. 1054.
- Linkhart, John W., North Vernon, Ind. Separator and grader. No. 1,112,302; Sept. 29; Gaz. vol. 206; p. 1368.
- Linkman, Louis B., Chicago, Ill., assignor to M. Linkman & Company. Smoking-pipe. No. 1,104,203; July 21; Gaz. vol. 204; p. 775.
- Linley, Arthur H., Fairfield, Conn. Priming-valve. No. 1,118,139; Nov. 24; Gaz. vol. 208; p. 1051.
- Linn, Louis S., Fairmont, Minn. Harvester attachment. No. 1,105,084; July 28; Gaz. vol. 204; p. 1130.
- Linn-McCabe Company. (See McCabe, Edward L., assignor.)
- Linn, W. B. (See Graham, Turner, Foster, and Grant, assignors.)
- Linney, Robert E. (See Cory, Jay G., assignor.)
- Linotype and Machinery Limited. (See Burgess, John R., assignor.)
- Linotype and Machinery Limited. (See Pearce and Billington, assignors.)
- Linotype and Machinery Limited. (See Pearce, Parker, and Wright, assignors.)
- Linotype and Machinery Limited. (See Pearson, James, assignor.)
- Linotype and Machinery Limited. (See Röger, Karl, assignor.)
- Linotype and Machinery Limited. (See Whittaker, Matthew H., assignor.)
- Linotype and Machinery Limited. (See Whittaker and Holliwell, assignors.)
- Linquist, William A., Minneapolis, Minn. Automobile-fender. No. 1,085,988; Feb. 3; Gaz. vol. 199; p. 147.
- Linquist, William A., Minneapolis, Minn. Automobile-fender. No. 1,105,671; Aug. 4; Gaz. vol. 205; p. 29.
- Linquist, William A., Minneapolis, Minn. Automobile-fender. No. 1,114,009; Oct. 20; Gaz. vol. 207; p. 639.
- Linscott, Charles W., Jackson, Mich. Brush. No. 1,086,676; Feb. 10; Gaz. vol. 199; p. 428.
- Linscott, Charles W., Jackson, Mich. Brush. No. 1,120,067; Dec. 8; Gaz. vol. 209; p. 438.
- Lint, Edward L., Paw Paw, Mich. Lock. No. 1,093,637; Apr. 21; Gaz. vol. 201; p. 591.
- Lint, Peter H., San Francisco, Cal. Fruit-gatherer. No. 1,104,431; July 21; Gaz. vol. 204; p. 853.
- Lint, Roger. (See Watson and Lint.)
- Lintecum, Claud A., South Greenfield, assignor of one-half to S. Lintecum, Lockwood, Mo. Wire-fence tightener. No. 1,083,623; Jan. 6; Gaz. vol. 198; p. 121.
- Lintecum, Samuel. (See Lintecum, Claud A., assignor.)
- Lintner, John Y., and L. L. Benjamin, Blairsville, Pa. Wrench. No. 1,095,005; Apr. 28; Gaz. vol. 201; p. 1120.
- Lintner, Martin. (See Waterbury, Emery D., assignor.) (Reissue.)
- Linton, Charles E. and E. K., assignors to Mika Cooker Company, Saginaw, Mich. Cover-fastening device. No. 1,090,634; Mar. 17; Gaz. vol. 200; p. 765.
- Linton, Edgerton K. (See Linton, Charles E. and E. K.)
- Linton, Nettie, Allaben, N. Y. Device for producing stage-rain. No. 1,106,391; Aug. 11; Gaz. vol. 205; p. 321.
- Linton, William. (See Conner, Carlton W., assignor.)
- Lipe, Willard C., Syracuse, N. Y. Needle. No. 1,115,469; Oct. 27; Gaz. vol. 207; p. 1205.
- Lipkowski, Joseph de, Paris, France. Accelerator for air-brakes. No. 1,083,891; Jan. 6; Gaz. vol. 198; p. 205.
- Lipkowski, Joseph de, Paris, France. Compressed-air brake. No. 1,084,574; Jan. 13; Gaz. vol. 198; p. 465.
- Lipman, Carl E. L., Beloit, Wis. Air-motor. No. 1,115,470; Oct. 27; Gaz. vol. 207; p. 1205.
- Lipman, Carl E. L., assignor to The Lipman Manufacturing Company, Beloit, Wis. Distributing-valve. No. 1,090,827; Mar. 17; Gaz. vol. 200; p. 828.
- Lipman, Carl E. L., assignor to The Lipman Manufacturing Company, Beloit, Wis. Air-pump. No. 1,091,456; Mar. 24; Gaz. vol. 200; p. 1071.
- Lipman, Carl E. L., assignor to The Lipman Manufacturing Company, Beloit, Wis. Air-pump. No. 1,092,495; Apr. 7; Gaz. vol. 201; p. 130.

Alphabetical list of patentees—Continued.

- Lipman Manufacturing Company, The. (See Lipman, Carl E. L., assignor.)
- Lipman, Sigmund, Portland, Oreg. Weatherproof garment. No. 1,121,515; Dec. 15; Gaz. vol. 209; p. 993.
- Lipoff, Nathan, New York, N. Y. Non-short-circuiting pick. No. 1,102,935; July 7; Gaz. vol. 204; p. 247.
- Lipp, Albert E., Philadelphia, Pa. Camera-shutter. No. 1,102,278; July 7; Gaz. vol. 204; p. 20.
- Lipp, Louis, St. Bernard, Ohio. Enameling-dredger. No. 1,103,423; July 14; Gaz. vol. 204; p. 463.
- Lippincott, Alpheus C., East Orange, N. J. Warning device. No. 1,093,058; Apr. 14; Gaz. vol. 201; p. 355.
- Lippitt, Frank K., *et al.* (See MacLean, John M., assignor.)
- Lippman, George H. (See Weyburn and Lippman.)
- Lipps, Emory J., Fountain Hill borough, Pa. Winding mechanism. No. 1,103,676; July 14; Gaz. vol. 204; p. 555.
- Lipps, John, Montour, Iowa. Checkrein-support. No. 1,111,475; Sept. 22; Gaz. vol. 206; p. 1046.
- Lipson, Samuel, Saugus, assignor of one-third to H. Rosenberg and one-third to J. Rosenberg, Boston, Mass. Attachment for garment-cementing machines. No. 1,089,236; Mar. 3; Gaz. vol. 200; p. 193.
- Lipton, Sarah, Brooklyn, N. Y. Garment. No. 1,110,304; Sept. 8; Gaz. vol. 206; p. 555.
- Lipton, Sarah, Brooklyn, N. Y. Garment. No. 1,110,305; Sept. 8; Gaz. vol. 206; p. 556.
- Liquid Carbonic Company, The. (See Smith, Horace M., assignor.)
- Liquid Stone Paint Co., The. (See Brooks, Frederick W., assignor.)
- Lisbae, John J., assignor to The Sanitary Rubber Company, Canton, Ohio. Soap-holder. No. 1,088,783; Mar. 3; Gaz. vol. 200; p. 37.
- Lisbae, John J., assignor of one-half to W. J. Piero, Canton, Ohio. Pneumatic bed-spring. No. 1,089,652; Mar. 10; Gaz. vol. 200; p. 383.
- Liscomb, Andrew E., Bar Harbor, Me. Woodworking-tool. No. 1,083,624; Jan. 6; Gaz. vol. 198; p. 121.
- Lisherness, Ernest, Hampden, Me., and D. A. Sargent, Bridgeport, Conn. Device for removing bark from logs, limbs of trees, and slabs. No. 1,087,959; Feb. 24; Gaz. vol. 199; p. 971.
- Liska, John, assignor of one-half to A. Klapan, Natrona, Pa. Non-skid vehicle-wheel. No. 1,102,598; July 7; Gaz. vol. 204; p. 133.
- Liska, John, and J. Kepko, Natrona, Pa. Attachment for horseshoes. No. 1,100,587; June 16; Gaz. vol. 203; p. 840.
- Lisken, Joseph. (See Holtzman, John, assignor.) (Re-issue.)
- Lispenard, George, assignor, by mesne assignments, to Wallis-Lispenard Cotton Harvester Corporation, New York, N. Y. Cotton-harvester. No. 1,084,214; Jan. 13; Gaz. vol. 198; p. 348.
- Liss, Selman, *et al.* (See Rivkin, Bert, assignor.)
- Lissauer, Eduard, Charlottenburg, Germany. Signaling apparatus. No. 1,091,938; Mar. 31; Gaz. vol. 200; p. 1284.
- List, Adolph. (See Gräntzdörffer, August, assignor.)
- Lister, George, Tow Law, England. Apparatus for washing smoke, air, and other gases. No. 1,098,389; June 2; Gaz. vol. 203; p. 11.
- Lister, Henry B., San Francisco, Cal. Aerial motor-vehicle. No. 1,084,806; Jan. 20; Gaz. vol. 198; p. 574.
- Lister, Henry B., San Francisco, Cal. Aerial machine. No. 1,084,807; Jan. 20; Gaz. vol. 198; p. 575.
- Lister, James R., Methuen, Mass. Harness for looms. No. 1,117,680; Nov. 17; Gaz. vol. 208; p. 853.
- Lister, John K. B. (See Lister, William L. and J. K. B.)
- Lister, John T., Cleveland, Ohio, assignor to The Turbine Motor Electric Car Company. System of propulsion. No. 1,095,967; May 5; Gaz. vol. 202; p. 268.
- Lister, Walter S., assignor to The National Printing Machine Company, Cleveland, Ohio. Type setting and distributing machine. No. 1,105,334; July 28; Gaz. vol. 204; p. 1217.
- Lister, William L. and J. K. B., Mosman, New South Wales, Australia. Buttoner. No. 1,101,557; June 30; Gaz. vol. 203; p. 1282.
- Litaker, Thomas F., Fellows, Cal. Rotary drill. No. 1,114,375; Oct. 20; Gaz. vol. 207; p. 769.
- Litchfield, Byron A., and L. Zimmermann, Pontiac, Mich. Device for forming springs. No. 1,105,982; Aug. 4; Gaz. vol. 205; p. 138.
- Litchfield, Charles T. (See Tisher and Litchfield.)
- Litchfield, Royal S. (See Augustine, Henry J., assignor.)
- Little, Thomas J., Jr., Woodbury, assignor to Welsbach Light Company, Gloucester City, N. J. Opaque reflector. No. 1,083,750; Jan. 6; Gaz. vol. 198; p. 163.
- Little, Thomas J., Jr., Woodbury, assignor to Welsbach Light Company, Gloucester City, N. J. Igniting attachment for gas-burners. No. 1,087,125; Feb. 17; Gaz. vol. 199; p. 633.
- Little, Thomas J., Jr., Woodbury, assignor to Welsbach Light Company, Gloucester City, N. J. Spring-ring shade-holder. No. 1,090,635; Mar. 17; Gaz. vol. 200; p. 766.
- Little, Thomas J., Jr., Woodbury, assignor, by mesne assignments, to Welsbach Light Company, Gloucester City, N. J. Globe-holder. No. 1,096,042; May 12; Gaz. vol. 202; p. 332.
- Little, Thomas J., Jr., Woodbury, N. J., assignor to Welsbach Light Company, Gloucester City, N. J. Incandescent gas-lamp. No. 1,101,863; June 30; Gaz. vol. 203; p. 1387.
- Little, Thomas J., Jr., Woodbury, assignor to Welsbach Light Company, Gloucester City, N. J. Gas valve or cock. No. 1,104,519; July 21; Gaz. vol. 204; p. 886.
- Littauer, Alfred, Brooklyn, N. Y. Veterinary mouth-speculum. No. 1,089,653; Mar. 10; Gaz. vol. 200; p. 384.
- Littauer, Lucius N. (See Weis, John P., assignor.)
- Littauer, Lucius N. (See Weis and Hughes, assignors.)
- Littauer, Lucius N. (See Weis and Johnson, assignors.)
- Littauer, Lucius N. (See Weis and Littauer.)
- Little, Archibald S. B., Nashville, Tenn. Grid for purifier-boxes. No. 1,090,318; Mar. 17; Gaz. vol. 200; p. 654.
- Little, Archibald S. B., Nashville, Tenn. Sound-reproducing machine. No. 1,108,451; Aug. 25; Gaz. vol. 205; p. 1141.
- Little, Arthur D., Boston, Mass., assignor to Standard Alcohol Company, New York, N. Y. Food composition for stock. No. 1,092,221; Apr. 7; Gaz. vol. 201; p. 34.
- Little, Arthur D., Brookline, assignor to Arthur D. Little, Incorporated, Boston, Mass. Paper towel. No. 1,122,959; Dec. 29; Gaz. vol. 209; p. 1570.
- Little & Company, A. E. (See Harris, Arthur L., assignor.)
- Little & Company, A. E. (See Smith, George W., assignor.)
- Little, George M., Pittsburgh, Pa. Soap-bubble-blowing device. No. 1,115,556; Nov. 3; Gaz. vol. 208; p. 30.
- Little Giant Hay Press Company. (See Stopple, Walter W., assignor.)
- Little, Henry C., Newton, Mass. Expansible wheel. No. 1,110,804; Sept. 15; Gaz. vol. 206; p. 770.
- Little, Homer E. R., New York, N. Y. Primary battery. No. 1,119,024; Dec. 1; Gaz. vol. 209; p. 44.
- Little, Hugh D. E. (See Macleary and Little.)
- Little, James E. (See Turner, Drake, and Little.)
- Little, James E., Steelton, Pa. Digging and excavating machine. No. 1,095,335; May 5; Gaz. vol. 202; p. 56.
- Little, Joseph, Oelwein, Iowa. Locomotive-wheel-flange oiler. No. 1,102,524; July 7; Gaz. vol. 204; p. 106.
- Little, Lillian A. (See Bowen, Philip A., assignor.)
- Little, Luar E. (See Little, Minnie P. and L. E.)
- Little, Minnie P. and L. E., Columbia, Mo. Burial-receptacle. No. 1,085,745; Feb. 3; Gaz. vol. 199; p. 59.
- Little, Robert C., Chicago, Ill. Automatic ribbon-reversing mechanism. No. 1,114,494; Oct. 20; Gaz. vol. 207; p. 815.
- Little, William F., Nepperhan, N. Y., assignor to The Baltimore Enamel & Novelty Company, Baltimore, Md. Shade and socket holder. No. 1,110,066; Sept. 8; Gaz. vol. 206; p. 468.
- Little, William H., Detroit, Mich. Shaft-coupling. No. 1,091,520; Mar. 31; Gaz. vol. 200; p. 1139.
- Littlefield, Charles H. (See Richardson and Littlefield.)
- Littlefield, Lory L., Bellevue, Iowa. Protector for harness-straps. No. 1,112,708; Oct. 6; Gaz. vol. 207; p. 106.
- Littlejohn, Charles F., assignor, by mesne assignments, to The Recording Register & Fare Box Company, New Haven, Conn. Recording fare-register. No. 1,093,059; Apr. 14; Gaz. vol. 201; p. 355.
- Littlejohn, Demetrius D., Statesville, N. C. Subsoil attachment. No. 1,106,312; Aug. 4; Gaz. vol. 205; p. 250.
- Littlejohn, Demetrius D., Statesville, N. C. Plow-blade. No. 1,115,219; Oct. 27; Gaz. vol. 207; p. 1122.
- Littlejohn, Frank P., Fresno, Cal. Juggler's paraphernalia. No. 1,122,137; Dec. 22; Gaz. vol. 209; p. 1246.
- Littlejohn, Thomas A., Painesville, Ohio. Shoe-stretcher. No. 1,100,752; June 23; Gaz. vol. 203; p. 950.
- Littleton, Charlie A., Yacolt, Wash. Fruit-catcher. No. 1,111,597; Sept. 22; Gaz. vol. 206; p. 1088.
- Litzenberg, William R., Portland, Oreg. Power-shovel. No. 1,083,625; Jan. 6; Gaz. vol. 198; p. 121.
- Litzenberger, Isaac B., Frankfort, Ind. Poultry-feeder. No. 1,088,597; Feb. 24; Gaz. vol. 199; p. 1184.
- Lively, Benjamin F., Lenoir City, Tenn. Door-operating mechanism. No. 1,108,769; Aug. 25; Gaz. vol. 205; p. 1250.
- Lively, Leroy A., Ramp, assignor of one-half to J. H. Miller, Hinton, W. Va. Stirrup. No. 1,088,598; Feb. 24; Gaz. vol. 199; p. 1185.
- Livengood, Winfield S., Kansas City, assignor to Missouri Hay Press Company, Moberly, Mo. Mechanical movement. No. 1,108,380; Aug. 25; Gaz. vol. 205; p. 1118.
- Livengood, Winfield S., Kansas City, assignor to Missouri Hay Press Company, Moberly, Mo. Division-board. No. 1,121,564; Dec. 15; Gaz. vol. 209; p. 1011.
- Livermore, Homer F., Brookline, assignor to H. F. Livermore Company, Boston, Mass. Repairable gearing for looms. No. 1,115,557; Nov. 3; Gaz. vol. 208; p. 31.
- Livermore and Knight Company. (See Holt, Walter O., assignor.)
- Livermore Pay Station Company. (See Flag and Livermore, assignors.)

Alphabetical list of patentees—Continued.

- Livermore, Walter H. (See Flagg and Livermore.)
- Liversidge, Horace P., assignor to The Fairmont Electric and Manufacturing Company, Philadelphia, Pa. Pot-head or end bell. No. 1,115,447; Oct. 27; Gaz. vol. 207; p. 1197.
- Livesey, Andrew, Manchester, England. Apparatus for stretching textile or other fabrics or materials. No. 1,088,599; Feb. 24; Gaz. vol. 199; p. 1185.
- Livingston, Alastair W. J., London, England. Purse. No. 1,088,784; Mar. 3; Gaz. vol. 200; p. 38.
- Livingston, Andrew W., assignor to Standard Steel Wheel and Tire Armor Company, Oakland, Cal. Vehicle-wheel. (Reissue.) No. 13,822; Nov. 3; Gaz. vol. 208; p. 305.
- Livingston, Andrew W., assignor to Standard Steel Wheel and Tire Armor Company, Oakland, Cal. Vehicle-wheel. No. 1,122,515; Dec. 29; Gaz. vol. 209; p. 1413.
- Livingston, D. McRa, New York, N. Y. Carbureter. No. 1,112,374; Sept. 29; Gaz. vol. 206; p. 1394.
- Livingston, Louis D., New York, N. Y. Shirt. No. 1,119,617; Dec. 1; Gaz. vol. 209; p. 248.
- Livingston, Robert R., Clermont, N. Y. Combined camera-casing and film-carrier. No. 1,090,079; Mar. 10; Gaz. vol. 200; p. 529.
- Livingston, William, New York, N. Y., assignor, by mesne assignments, to Noesting Pin Ticket Company, Inc. Pin-ticket. No. 1,092,923; Apr. 14; Gaz. vol. 201; p. 310.
- Livingston, William, New York, N. Y., assignor, by mesne assignments, to Noesting Pin Ticket Company, Inc. Pin-ticket. No. 1,093,638; Apr. 21; Gaz. vol. 201; p. 592.
- Livsey, John B., *et al.* (See Keeley, James E., assignor.)
- Ljunggren, Carl J., Providence, R. I. Hygienic chalice. No. 1,118,364; Nov. 24; Gaz. vol. 208; p. 1130.
- Ljungström, Birger, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Diffuser for steam turbines, compressors, pumps, blasts, and the like. No. 1,091,581; Mar. 31; Gaz. vol. 200; p. 1159.
- Ljungström, Birger, Stockholm, assignor to Aktiebolaget Ljungströms Angturbin, Finspång, Sweden. Commutator provided with segments or bars and slip-rings. No. 1,102,525; July 7; Gaz. vol. 204; p. 106.
- Ljungström, Fredrik, Stockholm, assignor to Aktiebolaget Ljungströms Angturbin, Liljeholmen, Sweden. Manufacturing blade-rings for steam and gas turbines. No. 1,101,645; June 30; Gaz. vol. 203; p. 1312.
- Ljungström, Fredrik, Stockholm, assignor to Aktiebolaget Ljungströms Angturbin, Liljeholmen, Sweden. Self-balancing device for turbines. No. 1,111,312; Sept. 22; Gaz. vol. 206; p. 990.
- Ljungström, Fredrik, assignor to Aktiebolaget Ljungströms Angturbin, Finspång, Sweden. Rotary field-magnet with two poles. No. 1,115,220; Oct. 27; Gaz. vol. 207; p. 1122.
- Llewellyn, William A., Bristol, assignor of one-half to F. W. Smith, Southampton, England. Support. No. 1,099,505; June 9; Gaz. vol. 203; p. 432.
- Llewellyn, Thomas W., and J. J. Doyle, Syracuse, N. Y. Collar-molding machine. No. 1,117,410; Nov. 17; Gaz. vol. 208; p. 757.
- Lloyd, Charles E., Philadelphia, Pa. Steam-boiler furnace. No. 1,093,790; Apr. 21; Gaz. vol. 201; p. 642.
- Lloyd, Charles E. H., Los Angeles, Cal. Pump-packing. No. 1,097,341; May 19; Gaz. vol. 202; p. 823.
- Lloyd, Cristina M., London, England. Tire. No. 1,084,864; Jan. 20; Gaz. vol. 198; p. 595.
- Lloyd, Demarest. (See Ragot, Henry, assignor.)
- Lloyd, Ernest F., Detroit, Mich. Gas washing and cooling apparatus. No. 1,083,885; Jan. 6; Gaz. vol. 198; p. 203.
- Lloyd, Ernest F., Detroit, Mich. Pressure-increaser. No. 1,090,866; Mar. 24; Gaz. vol. 200; p. 873.
- Lloyd, Marshall B., Menominee, Mich., assignor, by mesne assignments, to The Elyria Iron & Steel Company, Elyria, Ohio. Manufacturing metal tubing. No. 1,120,209; Dec. 8; Gaz. vol. 209; p. 489.
- Lloyd, Marshall B., Menominee, Mich., assignor to Ferris & Leith, Chicago, Ill. Collapsible go-cart. No. 1,122,516; Dec. 29; Gaz. vol. 209; p. 1414.
- Lloyd, Marshall B., Menominee, Mich., assignor to Ferris & Leith, Chicago, Ill. Child's go-cart. No. 1,122,517; Dec. 29; Gaz. vol. 209; p. 1414.
- Lo Casto, Antonino, Chicago, Ill. Device for honing razors. No. 1,091,939; Mar. 31; Gaz. vol. 200; p. 1284.
- Lob, Guido E., assignor to Pneumatic Conveyor Company, Chicago, Ill. Elbow for pneumatic conveyers. No. 1,108,918; Sept. 1; Gaz. vol. 206; p. 20.
- Lob, Guido E., assignor to Pneumatic Conveyor Company, Chicago, Ill. Air-purifying apparatus. No. 1,109,997; Sept. 8; Gaz. vol. 206; p. 445.
- Lobach, Fred T. (See Miller, Lobach, and Peters.)
- Lobb, Henry E. (See Hawkins and Lobb.)
- Lobdell Car Wheel Company. (See Stuart, Joseph, assignor.)
- Lobnitz, Fred, Crookston, Scotland. Centrifugal pump. No. 1,086,063; Feb. 3; Gaz. vol. 199; p. 174.
- Lobnitz, Fred, Crookston, Scotland. Lubricator for submerged bearings. No. 1,107,806; Aug. 18; Gaz. vol. 205; p. 870.
- Lobsiger, Christ, Monroe, Ind. Mail-carrier. No. 1,083,407; Jan. 6; Gaz. vol. 198; p. 51.
- Lochen, Henry. (See Muldoon, Frank J., assignor.)
- Locher, Charles H., Glasgow, Va. Rock-drill. No. 1,089,930; Mar. 10; Gaz. vol. 200; p. 481.
- Locher, Charles H., Glasgow, Va. Apparatus for rock drilling. No. 1,092,583; Apr. 7; Gaz. vol. 201; p. 159.
- Locher, Hans, Genoa, Italy. File for documents, papers, and the like. No. 1,109,170; Sept. 1; Gaz. vol. 206; p. 112.
- Lochman, Emil R., Boston, Mass. Tracing device for copying or duplicating machines. No. 1,084,155; Jan. 13; Gaz. vol. 198; p. 327.
- Lockard, James S., Spartanburg, S. C., assignor of one-fourth to E. Chapman and R. M. Alexander. Switch. No. 1,083,751; Jan. 6; Gaz. vol. 198; p. 163.
- Lockart, Havard L., Philadelphia, Pa. Apparatus for preventing railway accidents. No. 1,090,998; Mar. 24; Gaz. vol. 200; p. 919.
- Locke, Fred M., Victor, N. Y. Insulating composition. No. 1,091,678; Mar. 31; Gaz. vol. 200; p. 1193.
- Locke, Fred M., Victor, N. Y. Insulator. No. 1,091,679; Mar. 31; Gaz. vol. 200; p. 1193.
- Locke, Fred M., Victor, N. Y. Arc-extinguisher. No. 1,116,303; Nov. 3; Gaz. vol. 208; p. 284.
- Locke, Fred M., Victor, N. Y. Manufacture of insulators for high-potential electric conductors. No. 1,120,951; Dec. 15; Gaz. vol. 209; p. 798.
- Locke, Guyon, Boston, Mass. Violin-rest. No. 1,087,066; Feb. 10; Gaz. vol. 199; p. 560.
- Locke, Lucien G., Portsmouth, Ohio. Trousers hanger, press, and stretcher. No. 1,111,476; Sept. 22; Gaz. vol. 206; p. 1046.
- Locke, Oscar J. (See Putnam and Locke.)
- Locke Steel Belt Company. (See Locke, Sylvanus D., assignor.)
- Locke Steel Chain Company. (See Osswald, Herman, assignor.)
- Locke, Sylvanus D., assignor to Locke Steel Belt Company, Bridgeport, Conn. Chain-link. No. 1,107,808; Aug. 18; Gaz. vol. 205; p. 871.
- Locke, Sylvanus D., assignor to Locke Steel Belt Company, Bridgeport, Conn. Chain-making machine. No. 1,107,809; Aug. 18; Gaz. vol. 205; p. 871.
- Locker, Robert J., Matson, Mo. Lock-nut. No. 1,101,298; June 23; Gaz. vol. 203; p. 1141.
- Lockett, Andrew M. and A. M., Jr., New Orleans, La. Game apparatus. No. 1,086,189; Feb. 3; Gaz. vol. 199; p. 216.
- Lockhart, Edward J. and E. M., Galesburg, Mich. Artificial bait. No. 1,113,360; Oct. 13; Gaz. vol. 207; p. 374.
- Lockhart, Edward J. and E. M., Galesburg, Mich. Artificial bait. No. 1,113,361; Oct. 13; Gaz. vol. 207; p. 374.
- Lockhart, Evelyn M. (See Lockhart, Edward J. and E. M.)
- Lockhart, John, Tarrytown, N. Y. Awning-blind hinge and holder. No. 1,112,630; Oct. 6; Gaz. vol. 207; p. 79.
- Lockhart, Robert R., Winnipeg, Manitoba, Canada. Electrical water-heater. No. 1,091,582; Mar. 31; Gaz. vol. 200; p. 1160.
- Lockhart, Robert R., assignor to himself, G. A. Glines, W. E. Wright, V. Williams, D. B. Sprague, and J. D. Sinclair, Winnipeg, Manitoba, Canada. Electrical water-heater. No. 1,093,195; Apr. 14; Gaz. vol. 201; p. 403.
- Lockhart, William A. (See Thompson and Lockhart.)
- Locking Improved Automatic Passenger Fare Registering Co., Paul P. (See Hess and Parker, assignors.)
- Locking Improved Automatic Passenger Fare Registering Company, Paul P. (See Locking and Parker, assignors.)
- Locking, Paul P., *et al.* (See Sandiford, Green W., assignor.)
- Lockling, Paul P., Fruitdale, and J. F. Parker, assignors to P. P. Lockling Improved Automatic Passenger Fare Registering Company, Mobile, Ala. Automatic fare-register. No. 1,113,797; Oct. 13; Gaz. vol. 207; p. 526.
- Lockwood, Charles E. (See Hubert and Lockwood.)
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Fastener for rotary elements. No. 1,088,287; Feb. 24; Gaz. vol. 199; p. 1084.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Roller-bearing cage. No. 1,095,336; May 5; Gaz. vol. 202; p. 56.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Antifriction roller-bearing. No. 1,104,363; July 21; Gaz. vol. 204; p. 830.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Two-part roll for roller-bearings. No. 1,104,364; July 21; Gaz. vol. 204; p. 831.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Pressed-steel hanger-box. No. 1,107,677; Aug. 18; Gaz. vol. 205; p. 825.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Roller-bearing with duplex rolls. No. 1,112,303; Sept. 29; Gaz. vol. 206; p. 1368.

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- Lockwood, Charles S., assignor to Hyatt Roller Bearing Company, Newark, N. J. Roller-bearing hanger-box. No. 1,114,777; Oct. 27; Gaz. vol. 207; p. 964.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Roller-bearing with thrust-control ring. No. 1,122,518; Dec. 29; Gaz. vol. 209; p. 1415.
- Lockwood, Edward M., Philadelphia, Pa. Embossing and printing press. No. 1,102,770; July 7; Gaz. vol. 204; p. 192.
- Lockwood, Horace A., Kansas City, Mo. Pleasure-railway. No. 1,097,452; May 19; Gaz. vol. 202; p. 860.
- Lockwood, John F., Kansas City, Mo. Awning. No. 1,092,496; Apr. 7; Gaz. vol. 201; p. 130.
- Lockwood, John F., Kansas City, Mo., assignor to Baker & Lockwood Manufacturing Company. House tent. No. 1,100,189; June 16; Gaz. vol. 203; p. 705.
- Lockwood, John T., New York, N. Y. Space-band for composing-machines. No. 1,113,362; Oct. 13; Gaz. vol. 207; p. 374.
- Lockwood, Marquis H., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,085,746; Feb. 3; Gaz. vol. 199; p. 59.
- Lockwood, Marquis H., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,118,140; Nov. 24; Gaz. vol. 208; p. 1051.
- Lockyer, Robert, Sarnia, Ontario, Canada. Camera attachment. No. 1,109,077; Sept. 1; Gaz. vol. 206; p. 78.
- "Locomobile" Company of America, The. (See Riker, Andrew L., assignor.)
- Locomobile Company of America, The. (See Rosner, Adolph, assignor.)
- Locomotive Arch Brick Company. (See Stevens, Enoch P., assignor.)
- Locomotive Superheater Company. (See Bruce, Alfred M., assignor.)
- Locomotive Superheater Company. (See Buckbee, William A., assignor.)
- Locomotive Superheater Company. (See Emerson and Yoerg, assignors.)
- Locomotive Superheater Company. (See Hoffmann, Simon, assignor.)
- Locomotive Superheater Company. (See Toltz, Max, assignor.)
- Lodging, Fred W. (See Johnson and Lodding.)
- Lodge, Edward B., Cleveland, Ohio. Aeronautic toy. No. 1,087,306; Feb. 17; Gaz. vol. 199; p. 697.
- Lodge, Herbert. (See Sumner, William, assignor.)
- Lodge & Shipley Machine Tool Co., The. (See Chard, Nicholas D., assignor.)
- Lodge & Shipley Machine Tool Company, The. (See Schellenbach, William L., assignor.)
- Lodge & Shipley Machine Tool Company, The. (See Schellenbach and Lodge, assignors.)
- Lodge, William. (See Schellenbach and Lodge.)
- Lody, Franz, Preetz, Germany. Safety-hook. No. 1,099,068; June 2; Gaz. vol. 203; p. 238.
- Loe Multiplex Voting Machine Company. (See Loe, Syver, assignor.)
- Loe, Syver, assignor to Loe Multiplex Voting Machine Company, Minneapolis, Minn. Office-vote-restricting mechanism for voting machines. No. 1,087,796; Feb. 17; Gaz. vol. 199; p. 867.
- Loeb, Rudolf, Camden, N. J. Forming embroidery-stitches. No. 1,086,190; Feb. 3; Gaz. vol. 199; p. 216.
- Loebbecke, Georg, Zehlendorf, near Berlin, Germany. Manufacturing bag or packing paper. No. 1,107,807; Aug. 18; Gaz. vol. 205; p. 871.
- Loebel, Walter, Leipzig, and K. Franz, Frankfurt-on-the-Main, Germany. Process of and apparatus for mixing powdered substances or highly-concentrated solutions with a liquid or dissolving them in the latter. No. 1,098,811; June 2; Gaz. vol. 203; p. 154.
- Loebenberg, Leopold, Rio de Janeiro, Brazil. Apparatus for tubular transferring systems. No. 1,112,304; Sept. 29; Gaz. vol. 206; p. 1369.
- Loeber, Edgar O., East Cleveland, assignor to The Household Products Mfg. Co., Cleveland, Ohio. Ash-sifter for furnaces. No. 1,092,112; Mar. 31; Gaz. vol. 200; p. 1341.
- Loeffler, John, Vallejo, Cal. Spark-gap for wireless telegraphy. No. 1,117,681; Nov. 17; Gaz. vol. 208; p. 853.
- Loehler, Gustav G., Washington, D. C. Sanitary insulated receptacle. No. 1,112,709; Oct. 6; Gaz. vol. 207; p. 106.
- Loehler, Gustav G., Washington, D. C. Ventilator. No. 1,118,365; Nov. 24; Gaz. vol. 208; p. 1131.
- Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Insulating-joint for pipe systems. No. 1,106,572; Aug. 11; Gaz. vol. 205; p. 389.
- Loepsinger, Albert J., Providence, R. I., assignor to General Fire Extinguisher Company, New York, N. Y. Fusible device for automatic fire extinguishers or appliances. No. 1,117,411; Nov. 17; Gaz. vol. 208; p. 757.
- Loesch, William, assignor of forty one-hundredths to G. B. Storer, Chicago, Ill. Fuel-briquet composition. No. 1,111,800; Sept. 29; Gaz. vol. 206; p. 1197.
- Loesser, Ernest, Glen Ridge, N. J., assignor of three-fourths to S. Jacobson, trustee, New York, N. Y. Apparatus for making dops for holding precious stones to be ground. No. 1,088,233; Feb. 24; Gaz. vol. 199; p. 1065.
- Loesser, Ernest, Glen Ridge, N. J., assignor of three-fourths to S. Jacobson, trustee, New York, N. Y. Apparatus for making dops for holding precious stones to be ground. No. 1,088,235; Feb. 24; Gaz. vol. 199; p. 1066.
- Loesser, Ernest, Glen Ridge, N. J., assignor to New Diamond Polishing Tool Company of America, Inc., New York, N. Y. Apparatus for grinding and polishing precious stones. No. 1,094,913; Apr. 28; Gaz. vol. 201; p. 1086.
- Loesser, Ernest, Glen Ridge, N. J., assignor to New Diamond Polishing Tool Company of America, Inc., New York, N. Y. Apparatus for grinding and polishing precious stones. No. 1,094,914; Apr. 28; Gaz. vol. 201; p. 1086.
- Loesser, Ernest, Bloomfield, N. J., assignor of three-fourths to S. Jacobson, trustee, New York, N. Y. Dop for holding precious stones to be ground. No. 1,088,234; Feb. 24; Gaz. vol. 199; p. 1066.
- Loest, Albert, Wheeling, W. Va. Bulb-shield and operating means therefor. No. 1,086,776; Feb. 10; Gaz. vol. 199; p. 464.
- Loetscher, Emil C., Dubuque, Iowa. Electric sad-iron. No. 1,110,805; Sept. 15; Gaz. vol. 206; p. 771.
- Loetzer, Christian E., Sayre, Pa. Flushing apparatus. No. 1,116,901; Nov. 10; Gaz. vol. 208; p. 539.
- Loew Manufacturing Company, The. (See Gruetter, John R., assignor.)
- Loew Manufacturing Company, The. (See Pinkney, Bryan D., assignor.)
- Loewenbach, Erwin B. (See Esche, William, assignor.)
- Loewenbach, Hugo. (See Downey, Richard F., assignor.)
- Loewenberg Company, The. (See Headley, Alexander B., assignor.)
- Loewenstein, Louis C., Lynn, Mass., assignor to General Electric Company. Discharge-vanes for centrifugal compressors. No. 1,085,274; Jan. 27; Gaz. vol. 198; p. 770.
- Loewenstein, Louis C., Lynn, Mass., assignor to General Electric Company. Centrifugal pressure-governor. No. 1,089,655; Mar. 10; Gaz. vol. 200; p. 384.
- Loewenstein, Louis C., Lynn, Mass., assignor to General Electric Company. Turbine-rotor. No. 1,109,998; Sept. 8; Gaz. vol. 206; p. 445.
- Loewenthal, Moses. (See Seaman, Charles, assignor.)
- Loewy, Samuel. (See Garfield and Goldfarb, assignors.)
- Löffler, Carl, Erfurt, Germany. Ventilated footwear. No. 1,086,925; Feb. 10; Gaz. vol. 199; p. 515.
- Löffler, Peter, Vienna, Austria-Hungary. Manufacture of sodium bisulfate in a directly-calcinable form. No. 1,104,913; July 28; Gaz. vol. 204; p. 1071.
- Lofgren, John. (See Ravlin and Lofgren.)
- Lofgren, Thor O., Chicago, Ill. Fire-escape apparatus. No. 1,104,685; July 21; Gaz. vol. 204; p. 941.
- Lofland, Alfred M., Lebanon, Ind. Caster-wheel. No. 1,111,845; Sept. 29; Gaz. vol. 206; p. 1213.
- Lofland, Thomas L., Kansas City, Kans. Window-shade bracket. No. 1,090,319; Mar. 17; Gaz. vol. 200; p. 654.
- Lofland, William A., Camden, N. J. Shaft-wiping ring. No. 1,086,458; Feb. 10; Gaz. vol. 199; p. 352.
- Loflin, Robert L., High Point, N. C. Pipe. No. 1,114,274; Oct. 20; Gaz. vol. 207; p. 735.
- Lofthus, Thomas. (See Shelvik, Sivert P., assignor.)
- Lofton, Herbert M., Chattanooga, Tenn. Gate-valve. No. 1,106,723; Aug. 11; Gaz. vol. 205; p. 441.
- Lofton, Herbert M., Chattanooga, Tenn. Meter-box. No. 1,107,532; Aug. 18; Gaz. vol. 205; p. 773.
- Lofstedt, Otis B., Grand Junction, Iowa. Adjustable window-ventilator. No. 1,085,214; Jan. 27; Gaz. vol. 198; p. 749.
- Loftsgaarden, Albert T., Powell, Wyo. Washing-machine. No. 1,084,946; Jan. 20; Gaz. vol. 198; p. 621.
- Loftus, Thomas J., Castella, assignor of one-half to H. Bell, Oakland, Cal. Rotary fluid-motor. No. 1,093,278; Apr. 14; Gaz. vol. 201; p. 431.
- Loftus, Thomas J., Castella, assignor of one-half to H. Bell, Oakland, Cal. Gear-wheel. No. 1,093,279; Apr. 14; Gaz. vol. 201; p. 432.
- Loftus, Thomas J., Castella, assignor of one-half to H. Bell, Oakland, Cal. Ignition device. No. 1,118,563; Nov. 24; Gaz. vol. 208; p. 1201.
- Loga, Alexander J., Alliance, Ohio. Slicing-machine. No. 1,115,697; Nov. 3; Gaz. vol. 208; p. 80.
- Logan, Alton L., Edwardsville, Ill. Hopper-door-operating device. No. 1,103,523; July 14; Gaz. vol. 204; p. 497.
- Logan, Creighton A., Belmont, Mass. Whip-lock. No. 1,120,952; Dec. 15; Gaz. vol. 209; p. 798.
- Logan, Erkwood, Philadelphia, Pa. Toy. No. 1,088,600; Feb. 24; Gaz. vol. 199; p. 1185.
- Logan Iron Works. (See Schuyler, Thomas C., assignor.)
- Logan, John A., and W. F. Downs; said Logan assignor to E. M. Hanner, Mount Vernon, Ind. Attachment for sulkies. No. 1,095,898; May 5; Gaz. vol. 202; p. 246.
- Logan, Lewis J., Douglas, Wyo. Sheep bed-ground. No. 1,085,815; Feb. 3; Gaz. vol. 199; p. 84.
- Logan, William H., Carnegie, Pa. Miner's lamp. No. 1,099,753; June 9; Gaz. vol. 203; p. 517.

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- Loguin, Alexander J., Norwood, Ohio, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Controller. No. 1,087,170; Feb. 17; Gaz. vol. 199; p. 648.
- Loguin, Alexander J., West Allis, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Circuit-breaker. No. 1,115,448; Oct. 27; Gaz. vol. 207; p. 1198.
- Lohmann, Alfred P., Akron, Ohio. Anchoring device for use in connection with concrete structures. No. 1,090,486; Mar. 17; Gaz. vol. 200; p. 715.
- Lohmann, Alfred P., Akron, Ohio. Anchor for concrete work. No. 1,110,806; Sept. 15; Gaz. vol. 206; p. 771.
- Lohmann, Din C., West Milton, Ohio. Rosin cake. No. 1,098,277; May 26; Gaz. vol. 202; p. 1194.
- Lohmar, Fred W. (See Brown, James M., assignor.)
- Lohmeyer, Walter G. (See Wagner and Lohmeyer.)
- Lohmeyer, William C. (See Thompson, William F., assignor.)
- Lohnes, Henry, and J. P. Rial, Kansas City, Mo. Wood-working-machine. No. 1,113,798; Oct. 13; Gaz. vol. 207; p. 527.
- Lohr, Emmet M., Kings Mountain, N. C. Cart. No. 1,102,346; July 7; Gaz. vol. 204; p. 44.
- Lohrberg, Leopold W., San Antonio, Tex. Turnstile. No. 1,099,754; June 9; Gaz. vol. 203; p. 518.
- Lohse, Otto. (See Lüttringhaus, Lohse, and Sapper.)
- Loichot, Paul F. (See Warstler and Loichot.)
- Loiselet, Victor. (See Clément and Loiselet.)
- Lokerse, Gilbert, Kanawha, Iowa. Automobile lamp attachment. No. 1,096,381; May 12; Gaz. vol. 202; p. 448.
- Lokey, Milton A., Hatcher Station, Ga. Fertilizer-mixer. No. 1,100,896; June 23; Gaz. vol. 203; p. 1001.
- Löll, Jakob, Homberg-Essenber, Germany. Automatic steam-pipe-isolating valve. No. 1,088,082; Feb. 24; Gaz. vol. 199; p. 1014.
- Lomax, Charles, Ralls, Tex. Cotton-chopper. No. 1,117,069; Nov. 10; Gaz. vol. 208; p. 597.
- Lombard, Elgie D. (See Murphy, James A., assignor.)
- Lombard Governor Company, The. (See Warren, Henry E., assignor.)
- Lombardi, Giovanni, Derby, Conn. Machine for making spiral tubing. No. 1,096,513; May 12; Gaz. vol. 202; p. 492.
- Lombardi, Joseph, New York, N. Y. Catamaran. No. 1,093,196; Apr. 14; Gaz. vol. 201; p. 403.
- Lomen, Anton, Carpenter, Iowa. Hay-loader. No. 1,096,043; May 12; Gaz. vol. 202; p. 332.
- Lommatzsch, Ernst, Eythra, near Leipzig, assignor of one-half to P. H. Schlick, Gera, Reuss, Germany. Bearing for centrifugal machines. No. 1,095,337; May 5; Gaz. vol. 202; p. 56.
- Londick, John H., Portsmouth, assignor of one-third to A. J. Steele, North Baltimore, Ohio. Engine-starter. No. 1,121,108; Dec. 15; Gaz. vol. 209; p. 855.
- London Auto Supply Co. (See McAvoy, Frank J., assignor.)
- London, Louis B., New York, N. Y. Inverted-burner gas-lamp. No. 1,103,365; July 14; Gaz. vol. 204; p. 444.
- London, William J. A., Manchester, England, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Elastic-fluid turbine. No. 1,095,506; May 5; Gaz. vol. 202; p. 114.
- London, Willis, Franklin, Ky. Garment-hook. No. 1,100,588; June 16; Gaz. vol. 203; p. 840.
- Loner, James D., Alabama City, Ala., assignor to Draper Company, Hopedale, Mass. Bobbin-stripping device. No. 1,119,705; Dec. 1; Gaz. vol. 209; p. 277.
- Loney, David, and M. F. Egan, Davenport, Iowa. Sanitary bung and tap. No. 1,092,062; Mar. 31; Gaz. vol. 200; p. 1324.
- Loney, James W., and T. C. Steger, Fort Wayne, Ind. Water-gage shield. No. 1,114,778; Oct. 27; Gaz. vol. 207; p. 964.
- Long, Albert, Lawrence, assignor to American Textile Machinery Company, Lynn, Mass. Compressor for circle-combs. No. 1,101,496; June 23; Gaz. vol. 203; p. 1210.
- Long, Charley, assignor to C. H. T. Kearns, Fort Plain, N. Y. Saw-guard. No. 1,099,610; June 9; Gaz. vol. 203; p. 468.
- Long, Clarence E., Fort Wayne, Ind. Switch-throwing device. No. 1,092,372; Apr. 7; Gaz. vol. 201; p. 86.
- Long, David L., Columbus, Ohio. Pencil-holder. No. 1,089,845; Mar. 10; Gaz. vol. 200; p. 449.
- Long, Dee P., Sampsel, Okla. Churn. No. 1,091,887; Mar. 31; Gaz. vol. 200; p. 1267.
- Long Distance Telephone Equipment Co., The. (See Pearson, Miles E., assignor.)
- Long Distance Telephone Equipment Co., The. (See Pearson and Lane, assignors.)
- Long, Eugene M., New York, N. Y. Automatic sprinkler-head. No. 1,107,198; Aug. 11; Gaz. vol. 205; p. 607.
- Long, Francis F., Campbellford, Ontario, Canada. Heater. No. 1,108,919; Sept. 1; Gaz. vol. 206; p. 20.
- Long Furniture Co., The. (See Chapman, Lionel J., assignor.)
- Long Furniture Company. (See Stonesifer, Harry A., assignor.)
- Long Furniture Company, The. (See Weeks, John B., assignor.)
- Long, George A., Hartford, Conn. Spark-plug. No. 1,114,157; Oct. 20; Gaz. vol. 207; p. 692.
- Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Coin-chute. No. 1,087,307; Feb. 17; Gaz. vol. 199; p. 697.
- Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Coin-controlled telephone pay-station. No. 1,094,000; Apr. 21; Gaz. vol. 201; p. 714.
- Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Telephone pay-station. No. 1,101,130; June 23; Gaz. vol. 203; p. 1084.
- Long, George D., and E. W. Rapp, Granite City, Ill. Soldering alloy. No. 1,107,082; Aug. 11; Gaz. vol. 205; p. 564.
- Long, George F., assignor to G. Piel, New York, N. Y. Automatic horn. No. 1,090,080; Mar. 10; Gaz. vol. 200; p. 530.
- Long, George G. (See Kieley, John F., assignor.)
- Long, Guy C., Timber Lake, S. D. Automatic feeder for threshing-machines, &c. No. 1,110,950; Sept. 15; Gaz. vol. 206; p. 822.
- Long, Guy M., Monroe, N. C. Leaf-turner. No. 1,117,871; Nov. 17; Gaz. vol. 208; p. 919.
- Long, Howard E., Lockport, assignor to American District Steam Company, North Tonawanda, N. Y. Mercury-gage. No. 1,119,706; Dec. 1; Gaz. vol. 206; p. 277.
- Long, J. S. (See Stevens, Augustus R., assignor.)
- Long, John, Panora, Iowa. Gate. No. 1,090,732; Mar. 17; Gaz. vol. 200; p. 795.
- Long, John H., assignor of one-half to R. D. Lingo, Dagsboro, Del. Life-boat. No. 1,100,835; June 23; Gaz. vol. 203; p. 980.
- Long, John M., Manchester, England. Freezing apparatus. No. 1,119,707; Dec. 1; Gaz. vol. 209; p. 278.
- Long, John R., Apache, Okla. Adjustable supporting-arm and boxing for disks. No. 1,100,589; June 16; Gaz. vol. 203; p. 841.
- Long, John R., assignor, by mesne assignments, to W. A. Byrider, Akron, Ohio. Bench-vice. No. 1,113,663; Oct. 13; Gaz. vol. 207; p. 478.
- Long, John R., assignor, by mesne assignments, to W. A. Byrider, Akron, Ohio. Bench-vice. No. 1,113,664; Oct. 13; Gaz. vol. 207; p. 479.
- Long, Levett A., Dayton, Ohio. Insole. No. 1,092,373; Apr. 7; Gaz. vol. 201; p. 86.
- Long, Louis, Kansas City, Kans. Safety train device. No. 1,101,299; June 23; Gaz. vol. 203; p. 1141.
- Long Mailing Machine Company. (See Albrecht and Long, assignors.)
- Long, Michael H., Chicago, assignor of one-half to M. K. Barnum, La Grange, Ill. Emergency-knuckle for car-couplings. No. 1,099,506; June 9; Gaz. vol. 203; p. 432.
- Long, Nimrod, Savannah, Ga. Suction-mouthpiece for excavators. No. 1,100,753; June 23; Gaz. vol. 203; p. 951.
- Long, Otto M., and E. H. Matkin, Bonne Terre, Mo. Tool-sharpener. No. 1,112,461; Oct. 6; Gaz. vol. 207; p. 16.
- Long, Richard H., Oakland, Cal. Registering system. (Reissue.) No. 13,707; Mar. 31; Gaz. vol. 200; p. 1348.
- Long, Robert G., Lawrence, Kans. Forced-draft grate. No. 1,089,237; Mar. 3; Gaz. vol. 200; p. 194.
- Long, Robert G., Lawrence, Kans. Fire-door draft-check. No. 1,093,446; Apr. 14; Gaz. vol. 201; p. 487.
- Long, Sidney L. (See Albrecht and Long.)
- Long, Sidney L., assignor of one-half to G. W. McClelland, Minneapolis, Minn. Automatic damper. No. 1,092,275; Apr. 7; Gaz. vol. 201; p. 52.
- Long, Theodore B., Coatesville, assignor of one-half to R. P. Wilton, Wrightsville, Pa. Straw-dispensing apparatus. No. 1,088,912; Mar. 3; Gaz. vol. 200; p. 81.
- Long, W. C., et al. (See Samuels, John, assignor.)
- Long, William T., assignor to C. H. Halsey, Auburn, Wash. Wrench. No. 1,109,000; Sept. 1; Gaz. vol. 206; p. 51.
- Longacre, Frederick V. D., Yonkers, assignor to Ingersoll-Rand Company, New York, N. Y. Regulator for fluid-compressors. No. 1,099,457; June 9; Gaz. vol. 203; p. 416.
- Longaker, Albert A. (See Derbyshire and Longaker.)
- Longaker, Albert A., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Wheel mounting or demounting press. No. 1,091,457; Mar. 24; Gaz. vol. 200; p. 1072.
- Longaker, Albert A., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Wheel-press. No. 1,091,458; Mar. 24; Gaz. vol. 200; p. 1072.
- Longaker, Albert A., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Wheel-press. No. 1,094,391; Apr. 21; Gaz. vol. 201; p. 842.
- Longaker, Albert A., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Convertible press. No. 1,114,708; Oct. 20; Gaz. vol. 207; p. 886.
- Longaker, Albert A., Chambersburg, and W. H. Markland, Altoona, assignors to Chambersburg Engineering Company, Chambersburg, Pa. Spring-bending press. No. 1,114,699; Oct. 20; Gaz. vol. 207; p. 881.
- Longan, John O., McGee, Saskatchewan, Canada. Steam-engine slide-valve. No. 1,117,070; Nov. 10; Gaz. vol. 208; p. 597.

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- Longard, Clarence C., Halifax, Nova Scotia, Canada. Internal-combustion engine. No. 1,101,300; June 23; Gaz. vol. 203; p. 1142.
- Longard, Clarence C., Halifax, Nova Scotia, Canada. Internal-combustion engine. No. 1,109,999; Sept. 8; Gaz. vol. 206; p. 446.
- Longenecker, Charles I. (See Johnston and Longenecker.)
- Longenecker, Christian B., Philadelphia, Pa. Carbon-remover. No. 1,101,646; June 30; Gaz. vol. 203; p. 1312.
- Longenecker, Webster O., Winchester, Ind. Economizing deodorizer. No. 1,101,942; June 30; Gaz. vol. 203; p. 1416.
- Longevin, John A., Boston, Mass. Adjustable metal form for concrete construction. No. 1,119,969; Dec. 8; Gaz. vol. 209; p. 403.
- Longfellow, Burl L., and E. C. Rogers, Saline, Mich. Butter-cutting machine. No. 1,122,960; Dec. 29; Gaz. vol. 209; p. 1570.
- Longshore, Leroy L., Fort Wayne, Ind. Detachable latch apparatus. No. 1,090,867; Mar. 24; Gaz. vol. 200; p. 873.
- Longstreth, Charles B., Dayton, Ohio, assignor to J. B. Hayward, New York, N. Y. Computing-scale-illuminating device. No. 1,105,806; Aug. 4; Gaz. vol. 205; p. 76.
- Longtin, Xyste, St. Johns, Quebec, assignor of one-half to L. A. Gosselin, Montreal, Canada. Air-valve. No. 1,112,631; Oct. 6; Gaz. vol. 207; p. 79.
- Longueville, Valmy de. (See Goffin and Longueville.)
- Longwell, Elbert F., New York, N. Y. Skeleton slug for type-casting machines. No. 1,113,665; Oct. 13; Gaz. vol. 207; p. 479.
- Longwell, Harry, *et al.* (See Baum, James B., assignor.)
- Longyear, Fred L., Lansing, Mich. Oil-can holder. No. 1,103,065; July 14; Gaz. vol. 204; p. 340.
- Lonn, Edward J., assignor to Great Western Mfg. Co., La Porte, Ind. Cycle part. No. 1,101,131; June 23; Gaz. vol. 203; p. 1084.
- Lonsdale, William R., Cleveland, Ohio. Expansion-joint cushion. No. 1,085,275; Jan. 27; Gaz. vol. 198; p. 771.
- Lonsinger, Charles L., Walhonding, Ohio. Windmill. No. 1,110,951; Sept. 15; Gaz. vol. 206; p. 823.
- Lonskey, John H., Detroit, Mich. Brush. No. 1,098,390; June 2; Gaz. vol. 203; p. 11.
- Lonskey, John H., assignor to Central Foundry Specialty Company, Detroit, Mich. Stack-fitting. No. 1,106,392; Aug. 11; Gaz. vol. 205; p. 322.
- Lonskey, John H., and J. S. McCarthy, Detroit, Mich. Water-heater. No. 1,100,662; June 16; Gaz. vol. 203; p. 865.
- Lonzo, William, Fitchburg, Mass., assignor, by mesne assignments, to Fitchburg Bobbin Cleaning Machine Co. Bobbin-cleaner. No. 1,090,999; Mar. 24; Gaz. vol. 200; p. 919.
- Loog, Richard, Pforzheim, Germany. Expansible bracelet. No. 1,089,931; Mar. 10; Gaz. vol. 200; p. 481.
- Looker, Henry N., assignor of one-fourth to O. W. Platt and three-eighths to G. W. Reynolds, Chicago, Ill. Filter. No. 1,112,923; Oct. 6; Gaz. vol. 207; p. 178.
- Lookingbill, Carman E. (See McColly, Charles C., assignor.)
- Looman, William J., *et al.* (See Nicholas, Herman C., assignor.)
- Loomer, Henry M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Cutter. No. 1,105,672; Aug. 4; Gaz. vol. 205; p. 30.
- Loomis, Alfred L., Tuxedo Park, N. Y. External shoe-tree. No. 1,106,465; Aug. 11; Gaz. vol. 205; p. 350.
- Loomis, Allen, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Indicator-driving mechanism. No. 1,087,171; Feb. 17; Gaz. vol. 199; p. 648.
- Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Pump for motor-vehicles. No. 1,089,419; Mar. 10; Gaz. vol. 200; p. 301.
- Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Universal-joint coupling. No. 1,096,850; May 19; Gaz. vol. 202; p. 649.
- Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,101,202; June 23; Gaz. vol. 203; p. 1108.
- Loomis, Allen, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Oil-pump. No. 1,105,085; July 28; Gaz. vol. 204; p. 1130.
- Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Gearing. No. 1,106,149; Aug. 4; Gaz. vol. 205; p. 197.
- Loomis, Allen, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Folding seat. No. 1,110,503; Sept. 15; Gaz. vol. 206; p. 666.
- Loomis, Allen, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Baggage-rack for motor-vehicles. No. 1,115,698; Nov. 3; Gaz. vol. 208; p. 80.
- Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Wheel-rim. No. 1,122,012; Dec. 22; Gaz. vol. 209; p. 1205.
- Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,122,138; Dec. 22; Gaz. vol. 209; p. 1246.
- Loomis, Alva A., East Akron, Ohio. Railway-tie. No. 1,109,001; Sept. 1; Gaz. vol. 206; p. 51.
- Loomis, Burdett, Hartford, Conn., assignor to Loomis Utilization Company, East Orange, N. J. Beating-engine and extracting apparatus for making cellulose. No. 1,108,593; Aug. 25; Gaz. vol. 205; p. 1192.
- Loomis, Burdett, Hartford, Conn., assignor to Loomis Utilization Company, East Orange, N. J. Treating wood and plants to make cellulose. No. 1,122,404; Dec. 29; Gaz. vol. 209; p. 1376.
- Loomis, Osborn P., Newport News, Va. Pressure-gage. No. 1,087,883; Feb. 17; Gaz. vol. 199; p. 896.
- Loomis Utilization Company. (See Loomis, Burdett, assignor.)
- Looney, John. (See Thompson and Looney.)
- Looney, Richard T. (See Karhu, John, assignor.)
- Loomam, Matthew M. (See Forsberg and Schlicker, assignors.)
- Loose, Robert D., Springfield, Ill. Auxiliary mixer for internal-combustion engines. No. 1,115,699; Nov. 3; Gaz. vol. 208; p. 80.
- Loose-Wiles Biscuit Company. (See Lampert, Henry J., assignor.)
- Loosen, Jacob, Oakland, Cal. Variable spray-nozzle. No. 1,093,340; Apr. 14; Gaz. vol. 201; p. 453.
- Loosen, Jacob, assignor, by mesne assignments, to M. Peel, Oakland, Cal. Fountain spray-nozzle. No. 1,084,094; Jan. 13; Gaz. vol. 198; p. 307.
- Loper, John W., assignor of one-half to W. V. Bartow, Longbeach, Cal. Generator. No. 1,088,432; Feb. 24; Gaz. vol. 199; p. 1132.
- Lopez, Arthur, New York, N. Y. Type-bar for typewriters. No. 1,120,396; Dec. 8; Gaz. vol. 209; p. 554.
- Lopez, Arthur, New York, N. Y., assignor to The Hammond Typewriter Co. Double-shuttle anvil for type-writing machines. No. 1,093,575; Apr. 14; Gaz. vol. 201; p. 525.
- Lopez, Arthur, New York, N. Y., assignor to The Hammond Typewriter Co. Shuttle-shield for type-writing machines. No. 1,097,553; May 19; Gaz. vol. 202; p. 894.
- Lopez, Arthur, New York, N. Y., assignor to The Hammond Typewriter Company. Shift-key attachment for type-writing machines. No. 1,118,664; Nov. 24; Gaz. vol. 208; p. 1236.
- Lopez, Daniel, and M. R. Lerma, San Bernardino, Cal. Airship. No. 1,108,770; Aug. 25; Gaz. vol. 205; p. 1251.
- Lopez, Ernest D., New Orleans, La. Signaling apparatus. No. 1,092,063; Mar. 31; Gaz. vol. 200; p. 1324.
- Lopez S., Luis V., Valparaiso, Chile. Shaker. No. 1,085,450; Jan. 27; Gaz. vol. 198; p. 829.
- Lopton, Asmundur. (See Jones, David P., assignor.)
- Lorain Steel Company, The. (See Kleinschmidt, Henry F. A., assignor.)
- Lorang, Rudolph, Chicago, Ill. Door-operating means. No. 1,085,619; Feb. 3; Gaz. vol. 199; p. 14.
- Lorch, George E., *et al.* (See Swyers, Brice P., assignor.)
- Lorch, Louis, Jr., *et al.* (See Swyers, Brice P., assignor.)
- Lord, Charles E., Norwood, Ohio. Method of and means for controlling alternating-current motors. No. 1,115,948; Nov. 3; Gaz. vol. 208; p. 164.
- Lord, Chester B., St. Louis, Mo. Motor-vehicle. No. 1,084,283; Jan. 13; Gaz. vol. 198; p. 370.
- Lord, Francis H., trustee. (See Redding, Jerome, assignor.)
- Lord, Frederic W. (See Spencer, George M., assignor.)
- Lord, John D., New York, N. Y. Head for sealing receptacles. No. 1,121,191; Dec. 15; Gaz. vol. 209; p. 883.
- Lord, Joseph W., South Portland, Me. Carton. No. 1,119,846; Dec. 8; Gaz. vol. 209; p. 360.
- Lord Manufacturing Company. (See Elbe, Henry, assignor.)
- Lord, Morris S. (See Skinner, Lewis H., assignor.)
- Lord, Robert W., Skowhegan, Me. Work-holder for metal-working machines. No. 1,085,816; Feb. 3; Gaz. vol. 199; p. 85.
- Lord, Samuel J., Manchester, N. H. Street-sign holder. No. 1,117,509; Nov. 17; Gaz. vol. 208; p. 792.
- Lord, Thomas F., Mineral City, Ohio. Pipe-coupling. No. 1,100,315; June 16; Gaz. vol. 203; p. 749.
- Lord, William, New York, N. Y., assignor to Hartford Rubber Works Company. Let-off or warp-tension device for looms. No. 1,117,071; Nov. 10; Gaz. vol. 208; p. 597.
- Lorenz, Annie, and D. W. Saxton, Cove, Oreg. Milk-pail. No. 1,102,156; June 30; Gaz. vol. 203; p. 1490.
- Lorenz, August. (See Schlösser and Lorenz.)
- Lorenz, Edward H., Hartford, assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,122,775; Dec. 29; Gaz. vol. 209; p. 1505.
- Lorenz, Friedrich, Teltow, Germany, assignor to T. P. Kingsford and V. K. Higgins, Oswego, N. Y. Priming centrifugal pumps. No. 1,107,533; Aug. 18; Gaz. vol. 205; p. 773.
- Lorenz, Gustave, Cincinnati, Ohio. Gearing. No. 1,097,342; May 19; Gaz. vol. 202; p. 823.

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- Lorenz, Jacob J. and P. A., Chicago, Ill. Post-mold. No. 1,117,204; Nov. 17; Gaz. vol. 208; p. 684.
- Lorenz, Jacob M., Chicago, Ill. Switch. No. 1,116,902; Nov. 10; Gaz. vol. 208; p. 539.
- Lorenz, Joseph, *et al.* (See Appar, Thomas S., assignor.)
- Lorenz, Oswald, Corona, and H. Weide, Brooklyn, N. Y. Bag and similar fastener. No. 1,118,028; Nov. 24; Gaz. vol. 208; p. 1013.
- Lorenz, Peter A. (See Lorenz, Jacob J. and P. A.)
- Lorenz, William A., *et al.* (See Honiss, William H., assignor.)
- Lorenz, William A., *et al.* (See Merritt and Honiss, assignors.)
- Lorenz, William A., Hartford, assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,120,726; Dec. 15; Gaz. vol. 209; p. 719.
- Lorenz, William A., and J. Merritt, Hartford, Conn. Preparing disintegrated materials for packing. No. 1,099,557; June 9; Gaz. vol. 203; p. 451.
- Lorig, Alvin, St. Louis, Mo. Street-indicator. No. 1,117,205; Nov. 17; Gaz. vol. 208; p. 684.
- Lorimer, Egbert S., Toronto, Ontario, Canada. Advertising or display device. No. 1,101,647; June 30; Gaz. vol. 203; p. 1312.
- Lorimer, George W., Piqua, Ohio. Combined fire-bucket and waste-can. No. 1,100,837; June 23; Gaz. vol. 203; p. 981.
- Lorimer, George W., assignor to W. R. Keve, Piqua, Ohio. Thermostat. No. 1,100,383; June 16; Gaz. vol. 203; p. 772.
- Lorimer, George W., Piqua, and A. G. Stouder, Troy, Ohio. Automatic fire-extinguisher. No. 1,100,836; June 23; Gaz. vol. 203; p. 980.
- Loring, Arthur H., Minneapolis, Minn. Match-scratcher. No. 1,122,961; Dec. 29; Gaz. vol. 209; p. 1571.
- Loring, Arthur H. and E. J., Minneapolis, Minn. Match-receptacle. No. 1,119,970; Dec. 8; Gaz. vol. 209; p. 403.
- Loring, Edward J. (See Loring, Arthur H. and E. J.)
- Loring, Helene V. A., Chicago, Ill. Hinge. No. 1,085,620; Feb. 3; Gaz. vol. 199; p. 14.
- Lorraine, Madison J., San Francisco, Cal. Surveying instrument. No. 1,116,452; Nov. 10; Gaz. vol. 208; p. 376.
- Lorz, Julius J., Elmsford, N. Y. Tuft-fastener. No. 1,091,888; Mar. 31; Gaz. vol. 200; p. 1267.
- Lossee, John R., Northwood, Iowa. Vehicle-seat. No. 1,115,322; Oct. 27; Gaz. vol. 207; p. 1156.
- Loser, Harry A., Baltimore, Md. Adjustable and variable centering for concrete arches, &c. No. 1,112,542; Oct. 6; Gaz. vol. 207; p. 46.
- Loss, Henrik V., Philadelphia, Pa. Heating bars or billets preparatory to forging. No. 1,084,156; Jan. 13; Gaz. vol. 198; p. 328.
- Loss, Henrik V., Philadelphia, Pa. Forging-machine. No. 1,094,797; Apr. 28; Gaz. vol. 201; p. 1046.
- Lotspeich, Wiley W., Atlanta, Ga. Mail-sorting case. No. 1,088,785; Mar. 3; Gaz. vol. 200; p. 38.
- Lotter, Franklin, Elkton, Mich. Cultivator-blade. No. 1,103,595; July 14; Gaz. vol. 204; p. 525.
- Lotter, Franklin, Elkton, Mich. Decarbonizing-tool for pistons of gas-engines. No. 1,103,596; July 14; Gaz. vol. 204; p. 525.
- Lotterhand, Jason C., New York, N. Y., assignor to Addometer Corporation. Printing mechanism for adding-machines. No. 1,092,497; Apr. 7; Gaz. vol. 201; p. 130.
- Lotterhand, Jason C., New York, N. Y., assignor to Addometer Corporation. Carrying mechanism for adding-machines. No. 1,102,063; June 30; Gaz. vol. 203; p. 1459.
- Lotterhand, Jason C., New York, N. Y., assignor to Addometer Corporation. Adding mechanism. No. 1,102,157; June 30; Gaz. vol. 203; p. 1491.
- Lotterhand, Jason C., assignor to Addometer Corporation, New York, N. Y. Carrying means for adding-machines. No. 1,104,686; July 21; Gaz. vol. 204; p. 942.
- Lotterhand, Jason C., New York, N. Y., assignor to Addometer Corporation, Dover, Del. Printing mechanism for adding-machines. (Reissue.) No. 1,378,1; July 28; Gaz. vol. 204; p. 1311.
- Lottridge, William M., Huntsville, Ill. Wire-stretcher. No. 1,101,704; June 30; Gaz. vol. 203; p. 1331.
- Lotz, Ellis A., Harrisburg, Pa. Folding stand. No. 1,094,227; Apr. 21; Gaz. vol. 201; p. 789.
- Lotzsch, Oskar, Dresden, Germany. Shuttle-changing mechanism for looms. No. 1,109,297; Sept. 1; Gaz. vol. 206; p. 156.
- Louch, Harry T., London, England. Monocle and the like. No. 1,092,064; Mar. 31; Gaz. vol. 200; p. 1324.
- Loucks, Charles H. (See Peters, John S., assignor.)
- Loud, George D., Boston, Mass. Pumping unit. No. 1,087,671; Feb. 17; Gaz. vol. 199; p. 827.
- Louden Machinery Company. (See Louden, Thomas, assignor.)
- Louden, Thomas, Fairfield, Iowa. Building-block. No. 1,108,506; Aug. 25; Gaz. vol. 205; p. 1162.
- Louden, Thomas, assignor to Louden Machinery Company, Fairfield, Iowa. Hanger for overhead tracks. No. 1,094,370; Apr. 21; Gaz. vol. 201; p. 834.
- Louden, William, Fairfield, Iowa. Structural coupling for pipes, shafts, and the like. No. 1,092,655; Apr. 7; Gaz. vol. 201; p. 183.
- Louden, William, Fairfield, Iowa. Holder for cattle-stanchions. No. 1,097,809; May 26; Gaz. vol. 202; p. 1030.
- Loudenslager, David, Rising City, Nebr. Gate-latch. No. 1,092,728; Apr. 7; Gaz. vol. 201; p. 207.
- Loudenslager, William J., assignor of one-half to C. L. Johnston, Jacksonburg, W. Va. Support. No. 1,087,067; Feb. 10; Gaz. vol. 199; p. 560.
- Loudon, Archibald M., Elmira, N. Y., assignor to Whiting Foundry Equipment Company, Harvey, Ill. Drawer-type core-oven. No. 1,107,678; Aug. 18; Gaz. vol. 205; p. 826.
- Loudon, John E., Everett, Wash. Fly-trap. No. 1,084,020; Jan. 13; Gaz. vol. 198; p. 282.
- Lougee, William S., assignor to J. Spaulding & Sons Company, Rochester, N. H. Shoe-form. No. 1,087,308; Feb. 17; Gaz. vol. 199; p. 697.
- Lougee, William S., Rochester, assignor to J. Spaulding & Sons Company, Milton, N. H. Shoe-form. No. 1,087,884; Feb. 17; Gaz. vol. 199; p. 896.
- Lougher, Robert, Papaikou, Hawaii. Multiple-effect evaporating apparatus. No. 1,105,443; July 28; Gaz. vol. 204; p. 1257.
- Lougher, Robert, Papaikou, Hawaii. Device for removing sugar from centrifugal machines. No. 1,105,444; July 28; Gaz. vol. 204; p. 1257.
- Loughlin, Alice L. T., New York, N. Y. Toilet-brush. No. 1,104,365; July 21; Gaz. vol. 204; p. 831.
- Loughlin, James W., Jamaica Plain, Mass. Measuring device. No. 1,102,771; July 7; Gaz. vol. 204; p. 192.
- Louis, Martin C., assignor of one-fifth to C. Brown, one-fifth to A. D. Hoffman, one-fifth to C. F. Greer, and one-fifth to J. J. Greer, Dayton, Ohio. Antislipping device for horseshoes. No. 1,097,453; May 19; Gaz. vol. 202; p. 860.
- Louisville Machine Company, The. (See Warstler and Loichot, assignors.)
- Lounsbury, Ives D., Bethany, Conn. Fastening device. No. 1,121,641; Dec. 22; Gaz. vol. 209; p. 1074.
- Lounsbury, Wilbur S., Atlanta, Ga. Rack for holding loose leaves, &c. No. 1,096,731; May 12; Gaz. vol. 202; p. 565.
- Lovas, John, and S. Sera, Erie, Pa. Delivery-receptacle for letter-carriers. No. 1,104,520; July 21; Gaz. vol. 204; p. 886.
- Lovas, Louis S., Los Angeles, Cal. Life-net machine. No. 1,099,094; June 2; Gaz. vol. 203; p. 246.
- Love, Charles A. (See Wood, James E., assignor.)
- Love, E. M. (See Love, William T., assignor.)
- Love, George. (See Kail, Wilbert S., assignor.)
- Love, Harry T., La Grande, Oreg. Tray. No. 1,114,998; Oct. 27; Gaz. vol. 207; p. 1043.
- Love, James, assignor of one-half to J. A. Deacon, Seattle, Wash. Vehicle-loading accommodator for warehouses. No. 1,112,543; Oct. 6; Gaz. vol. 207; p. 47.
- Love, James A., Red Springs, N. C. Plant-spacing machine. No. 1,099,707; June 9; Gaz. vol. 203; p. 503.
- Love, Thomas, Hartney, Manitoba, Canada. Steering device for traction-engines. No. 1,097,723; May 26; Gaz. vol. 202; p. 999.
- Love, Thomas J., Lincoln, Ill. Corn-harvester. No. 1,113,225; Oct. 13; Gaz. vol. 207; p. 325.
- Love, William T., assignor to E. M. Love, Lomax, Ill. Oil-can. No. 1,113,453; Oct. 13; Gaz. vol. 207; p. 407.
- Lovegrove, Francis A., Halifax, Nova Scotia, Canada. Signal for submarine vessels. No. 1,113,799; Oct. 13; Gaz. vol. 207; p. 527.
- Lovejoy, Charles E., Lowell, assignor, to Saco-Lowell Shops, Boston, Mass. Bearing for slide-rods for textile machinery. No. 1,118,029; Nov. 24; Gaz. vol. 208; p. 1013.
- Lovejoy, Daniel B., Purmela, Tex. Cotton-harvester. No. 1,107,033; Aug. 11; Gaz. vol. 205; p. 564.
- Lovejoy, Dimmitt R., Irvington, N. Y. Constant-potential electrical system. No. 1,111,263; Sept. 22; Gaz. vol. 206; p. 973.
- Lovejoy, Frank N., and G. P. Kaiser, Macedon, N. Y. Window-cleaner. No. 1,097,179; May 19; Gaz. vol. 202; p. 765.
- Lovejoy, Frank W. (See Barnes and Lovejoy.)
- Lovejoy, Fred E., Oldtown, Me. Holdback-iron. No. 1,100,590; June 16; Gaz. vol. 203; p. 841.
- Lovejoy, George E. (See O'Hare and Lovejoy.)
- Lovekin, Luther D. (See Curtis and Lovekin.)
- Lovekin, Luther D., Philadelphia, Pa. Water-heater. No. 1,107,534; Aug. 18; Gaz. vol. 205; p. 773.
- Lovekin, Luther D., Philadelphia, Pa. Apparatus for effecting a transfer of heat from one fluid to another. No. 1,113,226; Oct. 13; Gaz. vol. 207; p. 325.
- Lovekin, Luther D., Philadelphia, Pa. Boiler. No. 1,119,025; Dec. 1; Gaz. vol. 209; p. 45.
- Lovekin, Luther D., Philadelphia, Pa. Boiler. No. 1,119,026; Dec. 1; Gaz. vol. 209; p. 45.
- Lovekin, Luther D., assignor to Schutte and Koerting Company, Philadelphia, Pa. Oil-burning system. No. 1,094,078; Apr. 21; Gaz. vol. 201; p. 740.
- Lovelace, Charles D., San Angelo, Tex. Trap-gun. No. 1,098,742; June 2; Gaz. vol. 203; p. 131.

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- Loveland, Byron S., assignor to W. M. Whitney, Winchendon, Mass. Indexing device. No. 1,089,654; Mar. 10; Gaz. vol. 200; p. 384.
- Loveland, Byron S., assignor to B. D. Whitney & Son, Winchenden, Mass. Scraping-machine. No. 1,107,810; Aug. 18; Gaz. vol. 205; p. 872.
- Loveland, Charles P., Montreal, Quebec, Canada. Marking device for plastics. No. 1,099,185; June 9; Gaz. vol. 203; p. 322.
- Loveland, William J., Pittsburgh, Pa. Self-centering holder for testing-machines. No. 1,122,289; Dec. 29; Gaz. vol. 209; p. 1338.
- Lovell, Albert K., New Haven, Conn. Threading nuts. No. 1,114,158; Oct. 20; Gaz. vol. 207; p. 692.
- Lovell, Edward C., Bristol, England. Machine for forming card-cylinders. No. 1,100,979; June 23; Gaz. vol. 203; p. 1032.
- Lovell Manufacturing Company. (See Kelly, Peter H., assignor.)
- Lovell-McConnell Manufacturing Company. (See Arlitz, Oscar C., assignor.)
- Lovell-McConnell Manufacturing Company. (See Bender, Henry W., assignor.)
- Lovell-McConnell Manufacturing Company. (See Dean, George C., assignor.)
- Lovell-McConnell Manufacturing Company. (See Hutchison, Miller R., assignor.)
- Lovell-McConnell Manufacturing Company. (See Jones, Joseph W., assignor.)
- Lovell-McConnell Manufacturing Company. (See McConnell, Duncan A., assignor.)
- Lovell-McConnell Manufacturing Company. (See Russell, William E. and W. E., assignors.)
- Lovell-McConnell Manufacturing Company. (See Willis, Ernest J., assignor.)
- Lovercheck, Charles L., Indianapolis, Ind. Envelop-filling machine. No. 1,122,519; Dec. 29; Gaz. vol. 209; p. 1415.
- Lovesy, Charles H. (See Craig, David, assignor.)
- Lovett, Louis I., assignor of one-half to J. F. Hamilton, Washington, D. C. Signal for motor-vehicles. No. 1,122,776; Dec. 29; Gaz. vol. 209; p. 1506.
- Löw, Alois, Vienna, Austria-Hungary, and E. Fischer, Charlottenburg, Germany. Manufacture of glue, gelatin, and the like. No. 1,086,149; Feb. 3; Gaz. vol. 199; p. 203.
- Low, Everett M., Brooklyn, N. Y. Chute-spring. No. 1,107,679; Aug. 18; Gaz. vol. 205; p. 826.
- Low, Stanley, and C. H. Kirby, London, England. Golf-club holder. No. 1,092,729; Apr. 7; Gaz. vol. 201; p. 207.
- Lowden, Hugh B., assignor to Colorado Iron Works Company, Denver, Colo. Apparatus for clarifying liquids and thickening pulps. No. 1,098,812; June 2; Gaz. vol. 203; p. 154.
- Lowden, Tom W., assignor to The Acton Lamp Company Limited, London, England. Incandescent electric lamp. No. 1,083,331; Jan. 6; Gaz. vol. 198; p. 24.
- Lowe, Archie H. (See Brown and Lowe.)
- Lowe, Aubrey L., Iliou, N. Y. Rifle telescope-mounting. No. 1,083,288; Jan. 6; Gaz. vol. 198; p. 10.
- Lowe, Clarence W., assignor of one-half to R. Wallace, Chicago, Ill. Curtain-pole support. No. 1,115,949; Nov. 3; Gaz. vol. 208; p. 164.
- Lowe, Claude C., St. Joseph, Mo. Checker-board. No. 1,087,797; Feb. 17; Gaz. vol. 199; p. 868.
- Lowe, Coz R. (See Layton and Lowe.)
- Lowe, Edgar, New York, assignor to General Acoustic Company, Jamaica, N. Y. Battery-regulator. No. 1,094,156; Apr. 21; Gaz. vol. 201; p. 766.
- Lowe, Euclid J., Las Cascadas, Canal Zone. Drill-rod coupling. No. 1,102,064; June 30; Gaz. vol. 203; p. 1460.
- Lowe, George A., assignor to Waring Hat M'fg. Co., Yonkers, N. Y. Hat-carding machine. No. 1,098,743; June 2; Gaz. vol. 203; p. 132.
- Lowe, George H. (See Drake, Ellis, assignor.)
- Lowe, Harry L. (See Hughes, Ferguson, and Lowe.)
- Lowe, John D., assignor to The F. W. Spacke Machine Company, Indianapolis, Ind. Internal-combustion engine. No. 1,102,675; July 7; Gaz. vol. 204; p. 159.
- Lowe, Lincoln A., Watson, Mo. Stovepipe-fastener. No. 1,112,814; Oct. 6; Gaz. vol. 207; p. 141.
- Lowe, Nellie W., Erie, Pa. Garbage-can. No. 1,104,055; July 21; Gaz. vol. 204; p. 724.
- Lowe, Russell B. (See Allsop, Sibson, Lowe, and Thomson.)
- Lowe, William L., Stuart, Iowa. Corn-hanger. No. 1,095,006; Apr. 28; Gaz. vol. 201; p. 1120.
- Lowenstein, Samson, New York, N. Y. Hoisting-block. No. 1,104,521; July 21; Gaz. vol. 204; p. 887.
- Lower, Frank, Little Rock, Ark., assignor of one-half to C. M. Bradley, Willard, Mo. Muffler. No. 1,085,276; Jan. 27; Gaz. vol. 198; p. 771.
- Lown, Perry A., Lima, Ohio. Egg-tester. No. 1,095,408; May 5; Gaz. vol. 202; p. 80.
- Lowney, Daniel A., San Francisco, Cal. Dump-body for vehicles. No. 1,109,132; Sept. 1; Gaz. vol. 206; p. 96.
- Lowres, George J., Newark, N. J. Eyeglass-mounting. No. 1,115,700; Nov. 3; Gaz. vol. 208; p. 81.
- Lowres, George J., Newark, N. J. Lens-mounting. No. 1,115,701; Nov. 3; Gaz. vol. 208; p. 81.
- Lowry, Alfred H. P. (See Greenway and Lowry.)
- Lowry, Benjamin F., Austin, Tex. Fuel-supply system and starter for explosive-engines. No. 1,120,828; Dec. 15; Gaz. vol. 209; p. 754.
- Lowry, Charles L., Sulphur Springs, Ga. Folding coop. No. 1,098,045; May 26; Gaz. vol. 202; p. 1113.
- Lowry, Frank, assignor to The Ohio Grease Company, Loudonville, Ohio. Grease-superheater. No. 1,113,666; Oct. 13; Gaz. vol. 207; p. 480.
- Lowry, Walter J., Waco, Tex. Cake-cloth remover and truck-loader. No. 1,107,972; Aug. 18; Gaz. vol. 205; p. 926.
- Lowry, William. (See Donlon, Thomas H., assignor.)
- Lowry, William T. (See Brown and Lowry.)
- Löwy, Heinrich, Göttingen, Germany. Ascertaining the nature of subterranean strata. No. 1,092,065; Mar. 31; Gaz. vol. 200; p. 1324.
- Lubben, Henry S., Le Mars, Iowa. Attachment for corn-planters. No. 1,091,068; Mar. 24; Gaz. vol. 200; p. 944.
- Lubin Manufacturing Company. (See Tessier, Julien, assignor.)
- Lubin, Siegmund, Philadelphia, Pa. Synchronizing apparatus. No. 1,116,453; Nov. 10; Gaz. vol. 208; p. 377.
- Lübke, Wilhelm, Breslau, Germany. Milking device. No. 1,089,932; Mar. 10; Gaz. vol. 200; p. 481.
- Lucas, Charles G. (See Greaves and Lucas.)
- Lucas, Clarence W., assignor to Faries Manufacturing Co., Decatur, Ill. Electric-light bracket. No. 1,107,811; Aug. 18; Gaz. vol. 205; p. 872.
- Lucas, Henri L. L. (See Minet and Lucas.)
- Lucas, William B., Chicago, Ill. Motor-controller. No. 1,091,940; Mar. 31; Gaz. vol. 200; p. 1284.
- Lucas, William H., Philadelphia, Pa., assignor to Espen-Lucas Machine Works. Metal-cutting machine. No. 1,109,344; Sept. 1; Gaz. vol. 206; p. 174.
- Lucas, William J., Fresno, Cal. Calipers. No. 1,096,439; May 12; Gaz. vol. 202; p. 467.
- Lucchese, Michele, San Antonio, Tex. Boot-tree former. No. 1,089,567; Mar. 10; Gaz. vol. 200; p. 354.
- Lucchini, Samuel, trustee. (See Alfano, Giuseppe, assignor.)
- Lucchini, Samuel, trustee. (See D'Amore, Emilio, assignor.)
- Luccioni, Florindo, Uniontown, Pa. Combination rule, square, and compasses. No. 1,101,132; June 23; Gaz. vol. 203; p. 1084.
- Luce, Samuel T., South Pasadena, Cal. Valve-closure. No. 1,095,647; May 5; Gaz. vol. 202; p. 162.
- Luce, William A. (See Van Doren, John B., assignor.)
- Luce, William D., Haverhill, Mass. Temperature-regulator. No. 1,113,363; Oct. 13; Gaz. vol. 207; p. 374.
- Lucerino, Ernesto, New York, N. Y. Stove or range. No. 1,119,182; Dec. 1; Gaz. vol. 209; p. 99.
- Lucertini, Angelo, Terni, Italy. Producing armor-plates for warships and other steel articles without case-hardening. No. 1,110,395; Sept. 15; Gaz. vol. 206; p. 627.
- Lucertini, Angelo, Sampierdarena, assignor to Società Anonima Italiana Gio. Ansaldo Armstrong & Co., Genoa, Italy. Manufacture of armor-plates. No. 1,086,459; Feb. 10; Gaz. vol. 199; p. 352.
- Lucka, Dora, Vienna, Austria-Hungary. Arrangement for closing leaks in ships. No. 1,107,680; Aug. 18; Gaz. vol. 205; p. 827.
- Lucke, Carl, New York, assignor to L. D'Aix, Brooklyn, N. Y. Matrix. No. 1,090,787; Mar. 17; Gaz. vol. 200; p. 814.
- Lucke, Charles E., New York, and W. E. Ver Planck, Schenectady, N. Y., assignors, by mesne assignments, to International Harvester Corporation. Vaporizer for internal-combustion engines. No. 1,110,807; Sept. 15; Gaz. vol. 206; p. 772.
- Lucke, Charles E., and F. Creelman, assignors to Gas and Oil Combustion Company, New York, N. Y. Apparatus for burning explosive gaseous mixtures. No. 1,113,174; Oct. 6; Gaz. vol. 207; p. 264.
- Luckett, Paul H. (See Parks, Michael E., assignor.)
- Luckey, William T., Thomson, Ga. Trousers-presser. No. 1,085,051; Jan. 20; Gaz. vol. 198; p. 656.
- Luckweil, Arthur, Mannheim-Neckarau, Germany. Rope belt, rope band, and the like. No. 1,106,658; Aug. 11; Gaz. vol. 205; p. 420.
- Ludgate, George C., Brooklyn, N. Y. Controller attachment. No. 1,083,842; Jan. 6; Gaz. vol. 198; p. 191.
- Ludgate, George C., Brooklyn, N. Y. Vegetable-washer. No. 1,097,103; May 19; Gaz. vol. 202; p. 739.
- Ludington, Charles F., New Britain, Conn. Copy-holder. No. 1,087,672; Feb. 17; Gaz. vol. 199; p. 827.
- Ludlam, Joseph W. (See Johnson and Ludlam.)
- Ludlow, James H., Jersey City, N. J., and T. W. G. Cook, New York, N. Y. Diamond-cutting machine. No. 1,105,356; July 28; Gaz. vol. 204; p. 1227.
- Ludlow-Saylor Wire Company, The. (See Gould, Edwin J., assignor.)
- Ludlow Typograph Company, The. (See Brasted, Clair H., assignor.)
- Ludlow Typograph Company, The. (See Read, William A., assignor.)
- Ludlum, William, Jr., Mount Vernon, N. Y., assignor of one-half to J. O. Stevens, Plainfield, N. J. Toy puzzle. No. 1,106,049; Aug. 4; Gaz. vol. 205; p. 162.

Alphabetical list of patentees—Continued.

- Luds, J. Carlyle, *et al.* (See Albert, Charles H., assignor.)
- Ludwig, Alexander, Redding, Cal. Power-generator. No. 1,093,280; Apr. 14; Gaz. vol. 201; p. 432.
- Ludwig and Company. (See Hulder, Joseph P., assignor.)
- Ludwig, John G., Jr., Freeland, Pa. Adjustable sectional bearing. No. 1,109,773; Sept. 8; Gaz. vol. 206; p. 364.
- Ludwig, Richard, Bouse-on-the-Saar, Germany. Rolling-mill. No. 1,122,013; Dec. 22; Gaz. vol. 209; p. 1205.
- Ludwig, William F., Chicago, Ill. Drum and cymbal beater. No. 1,092,276; Apr. 7; Gaz. vol. 201; p. 53.
- Ludwigs, Fritz. (See Goldberg and Ludwigs.)
- Lueck, Albrecht, New York, N. Y. Airship. No. 1,116,715; Nov. 10; Gaz. vol. 208; p. 474.
- Lueck, Frank O., Tomah, Wis. Block-cleaning machine. No. 1,087,068; Feb. 10; Gaz. vol. 199; p. 560.
- Lueckenbach, Anton T., Neenah, Wis. Washtub-supporting leg. No. 1,093,060; Apr. 14; Gaz. vol. 201; p. 355.
- Lueder, Carl G., Mount Vernon, N. Y. Indoor-golf putting-cup. No. 1,101,203; June 23; Gaz. vol. 203; p. 1108.
- Luedke, Gustav P., Chatham, Ill. Gas-generator. No. 1,121,516; Dec. 15; Gaz. vol. 209; p. 993.
- Luedtke, John S., Wykoff, Minn. Match-safe. No. 1,114,159; Oct. 20; Gaz. vol. 207; p. 692.
- Lueke, Adolph A. (See O'Brien and Lueke.)
- Luepker, Jacob, Millstadt, Ill. Fence. No. 1,102,936; July 7; Gaz. vol. 204; p. 247.
- Luening, Eugene G., Chicago, Ill., assignor to Davis-Bournonville Company, New York, N. Y., and Chicago, Ill. Metal-cutting tip. No. 1,106,724; Aug. 11; Gaz. vol. 205; p. 442.
- Luening, Eugene G., Chicago, Ill., assignor to Davis-Bournonville Company, New York, N. Y., and Chicago, Ill. Welding-tip. No. 1,107,429; Aug. 18; Gaz. vol. 205; p. 738.
- Luery, Michael, assignor to Model Form Company, Chicago, Ill. Adjusting device for model dress-forms. No. 1,107,331; Aug. 18; Gaz. vol. 205; p. 701.
- Lueth, William F., Indianapolis, Ind. Hoof-remover. No. 1,100,754; June 23; Gaz. vol. 203; p. 951.
- Luethe, Julius K. (See Rutz and Luethe.) (Reissue.)
- Luethe, Julius K. (See Rutz, Luethe, and Rutz.)
- Luff, Henry J., Cleveland, Ohio, assignor to Fruin & Walker Company, Chicago, Ill. Waste and vent pipe fitting. No. 1,097,982; May 26; Gaz. vol. 202; p. 1092.
- Lufkin Rule Co. (See Putnam, George F., assignor.)
- Lufkin Rule Co., The. (See Putnam and Wessendorff, assignors.)
- Lufkin Rule Company, The. (See Buck, Fred, assignor.)
- Lufkin, William W. (See Westaway, Walter C., assignor.)
- Luft-Fahrzeug-Gesellschaft, m. b. H. (See Naatz, Hermann, assignor.)
- Luftschiffsantrieb Gesellschaft mit beschränkter Haftung. (See Wisniewski, Vincent, assignor.)
- Luginbrehl, Elias, Norwood, Ohio. Steam-engine. No. 1,088,156; Feb. 24; Gaz. vol. 199; p. 1039.
- Lugtite Mfg. Co. (See Sperry, Charles F., assignor.)
- Lühmann, Friedrich. (See Völler and Lühmann.)
- Luigi, Renzetti, and R. Amindo, New York, N. Y. Table. No. 1,096,732; May 12; Gaz. vol. 202; p. 565.
- Lukac, Chovanec, Yukon, Pa. Antirefillable bottle. No. 1,089,933; Mar. 10; Gaz. vol. 200; p. 482.
- Luke, Benjamin F. (See Allen and Luke.)
- Luke, Emily J., *et al.*, administrators. (See Allen and Luke.)
- Lukens, Clarence D., assignor to C. Dewitt Lukens Surgical Manufacturing Company, St. Louis, Mo. Surgical needle. No. 1,122,210; Dec. 22; Gaz. vol. 209; p. 1271.
- Lukens, Henry M., Jr., Moorestown, N. J. Ticket-stamp. No. 1,087,597; Feb. 17; Gaz. vol. 199; p. 799.
- Lukens, Thomas W., assignor to Evens and Howard Fire Brick Company, St. Louis, Mo. Arch for locomotive fire-boxes. No. 1,097,246; May 19; Gaz. vol. 202; p. 789.
- Lukens, William D., Chicago, Ill. Golf game. No. 1,112,924; Oct. 6; Gaz. vol. 207; p. 179.
- Luki, Ladislav, Columbus, Ohio. Swimming device. No. 1,102,526; July 7; Gaz. vol. 204; p. 106.
- Luki, Ladislav, Columbus, Ohio. Parachute. No. 1,104,995; July 28; Gaz. vol. 204; p. 1098.
- Lukomski, Anthony. (See Lukomski, John B. and A.)
- Lukomski, John B. and A., Detroit, Mich. Mold for traps. No. 1,107,681; Aug. 18; Gaz. vol. 205; p. 827.
- Lukowski, John, Chicago, Ill. Automobile emergency-wrench. No. 1,088,786; Mar. 3; Gaz. vol. 200; p. 39.
- Lumb, Charles F., London, England. Boiler-tube cleaner. No. 1,121,192; Dec. 15; Gaz. vol. 209; p. 883.
- Lumley, Wilfrid, Conneaut, Ohio, assignor to General Electric Company. Chandelier and fixture. No. 1,119,618; Dec. 1; Gaz. vol. 209; p. 248.
- Lummis, Charles W., Waterbury, Conn. Apparatus for pouring molten materials. No. 1,089,139; Mar. 3; Gaz. vol. 200; p. 162.
- Lund, Frank T., Sturgeon Lake, Minn. Button for doors, windows, &c. No. 1,085,277; Jan. 27; Gaz. vol. 198; p. 771.
- Lund, James B., Chicago, Ill. Temperature-controller for carbureters. No. 1,091,521; Mar. 31; Gaz. vol. 200; p. 1139.
- Lund, Nelson P., Houlton, Me. Combination hoister and carrier. No. 1,094,228; Apr. 21; Gaz. vol. 201; p. 789.
- Lund, Robert, and T. F. Hind, Preston, England. Cover for outer linings for cylinders. No. 1,100,190; June 16; Gaz. vol. 203; p. 706.
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Die for cutting sheet material. No. 1,097,247; May 19; Gaz. vol. 202; p. 790.
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Making shoes. No. 1,122,139; Dec. 22; Gaz. vol. 209; p. 1246.
- Lundahl, John L., Crookston, Minn. Foot-measure. No. 1,084,455; Jan. 13; Gaz. vol. 198; p. 425.
- Lundahl, Joseph W., Thomaston, and O. A. Ekstrom, Litchfield, assignors of one-half to said Lundahl, one-fourth to said Ekstrom, and one-fourth to C. A. Larson, Thomaston, Conn. Automatic ignition system for gas-lights. No. 1,104,522; July 21; Gaz. vol. 204; p. 887.
- Lunde, Theodore H., and R. Moe, Chicago, Ill. Pedal-action for pianos. No. 1,090,487; Mar. 17; Gaz. vol. 200; p. 715.
- Lundeberg, Carl F., Hartford, Conn. Air purifying and cooling device. No. 1,109,171; Sept. 1; Gaz. vol. 206; p. 112.
- Lundeberg, Carl F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,113,227; Oct. 13; Gaz. vol. 207; p. 326.
- Lundeberg, Carl F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,121,642; Dec. 22; Gaz. vol. 209; p. 1074.
- Lundeen, Oscar W., Oakland, Nebr. Spittoon-washing machine. No. 1,092,924; Apr. 14; Gaz. vol. 201; p. 310.
- Lundell, Alben E. (See Reeves and Lundell.)
- Lundell, Robert, New York, N. Y. Dynamo-electric machine and system of control. No. 1,117,872; Nov. 17; Gaz. vol. 208; p. 920.
- Lunden, Herman, *et al.* (See Wyllys, Frank, assignor.)
- Lundgren, Carl G., Chicago, Ill. Bearing. No. 1,092,730; Apr. 7; Gaz. vol. 201; p. 208.
- Lundgren, John P., Minot, N. D. Automatic steering-gear. No. 1,107,973; Aug. 18; Gaz. vol. 205; p. 927.
- Lundholm, Charles G., assignor to J. J. Hanford, San Bernardino, Cal. Nail-picking machine for box-nailing machinery. No. 1,108,594; Aug. 25; Gaz. vol. 205; p. 1192.
- Lundholm, Gustaf, Vesterås, Sweden. Blind-shaft bearing for the driving means of electric locomotives. No. 1,095,007; Apr. 28; Gaz. vol. 201; p. 1120.
- Lundholm, Gustaf, Vesterås, Sweden. Driving means for electric locomotives. No. 1,097,810; May 26; Gaz. vol. 202; p. 1030.
- Lundie, John, New York, N. Y. Fastening device for railway-tracks. No. 1,100,838; June 23; Gaz. vol. 203; p. 981.
- Lundin, Andreas P. (See Rennerfelt and Lundin.)
- Lundin, Andreas P., New York, N. Y., assignor to Wellin Davit and Lane & Degroot Co., Consolidated. Crane. No. 1,120,727; Dec. 15; Gaz. vol. 209; p. 719.
- Lundin, Andreas P., and H. W. Broady, Bayside, N. Y.; said Broady assignor to said Lundin. Davit for lowering and raising ships' boats. No. 1,105,594; July 28; Gaz. vol. 204; p. 1309.
- Lundius, Eric R., Seattle, Wash. Book-holder. No. 1,117,072; Nov. 10; Gaz. vol. 208; p. 598.
- Lundquist, Frank A., Chicago, Ill., assignor to Western Electric Company, New York, N. Y. Telephone system. No. 1,110,634; Sept. 15; Gaz. vol. 206; p. 711.
- Lundquist, Frank A., Chicago, Ill., assignor to Western Electric Company, New York, N. Y. Telephone-toll-line system. No. 1,121,739; Dec. 22; Gaz. vol. 209; p. 1108.
- Lundquist, Fred, *et al.* (See Johnson, Gustaf O., assignor.)
- Lundquist, Henning W., St. Louis, Mo. Slide-valve. No. 1,105,913; Aug. 4; Gaz. vol. 205; p. 114.
- Lundquist, Henry G., Sanford, Fla. Match-case. No. 1,084,456; Jan. 13; Gaz. vol. 198; p. 425.
- Lundstrom, Carl J., Little Falls, N. Y. Sectional bookcase. No. 1,116,304; Nov. 3; Gaz. vol. 208; p. 284.
- Lundstrom, Charles G., Des Moines, Iowa. Portable grinding-machine. No. 1,092,277; Apr. 7; Gaz. vol. 201; p. 53.
- Lundström, Gotthard. (See Nathorst and Lundström.)
- Lundvall, Erik A., Jersey City, N. J., assignor to The Keystone Watch Case Company, Philadelphia, Pa. Watch-movement. No. 1,084,215; Jan. 13; Gaz. vol. 198; p. 348.
- Lundy, Charles A., Reno, Nev. Gas-engine. No. 1,091,854; Mar. 31; Gaz. vol. 200; p. 1256.
- Lundy, Charles A., Reno, Nev. Gas-engine. No. 1,092,113; Mar. 31; Gaz. vol. 200; p. 1342.
- Lundy, Edward A., Rockford, assignor of one-half to J. A. Grandland, River Forest, Ill. Sheet-material cutter. No. 1,098,671; June 2; Gaz. vol. 203; p. 107.
- Lundy, John C., Brantford, Ontario, Canada. Street sweeping apparatus. No. 1,120,068; Dec. 8; Gaz. vol. 209; p. 438.

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- Lungen, Adam, New York, N. Y., assignor to Edwards & Company. Push-button. No. 1,085,215; Jan. 27; Gaz. vol. 198; p. 749.
- Lungen, Adam, assignor to Edwards & Co., New York, N. Y. Annunciator. No. 1,114,275; Oct. 20; Gaz. vol. 207; p. 735.
- Lungstras, Paul. (See Lungstras, Robert and P.)
- Lungstras, Robert and P., St. Louis, Mo. Cleaning gloves. No. 1,100,436; June 16; Gaz. vol. 203; p. 791.
- Lunham, William, and W. Moore, Bronxville, N. Y. Portable heater. No. 1,105,983; Aug. 4; Gaz. vol. 205; p. 139.
- Lunney, Michael, Chelsea, Mass. Sink-trap cleaner. No. 1,085,052; Jan. 20; Gaz. vol. 198; p. 656.
- Lunoe, Joseph, Minneapolis, Minn. Chemical fire apparatus. No. 1,113,228; Oct. 13; Gaz. vol. 207; p. 326.
- Lunt, George, Formby, England. Apparatus for bread-making and the like. No. 1,118,030; Nov. 24; Gaz. vol. 208; p. 1013.
- Lupowitz, Joseph, and B. Mackilbank, Philadelphia, Pa. Barber's aseptic shaving-cup. No. 1,084,865; Jan. 20; Gaz. vol. 198; p. 595.
- Luppert, Valentine C., Williamsport, Pa. Tool for securing drawer-stops to furniture. No. 1,094,079; Apr. 21; Gaz. vol. 201; p. 740.
- Luppino, Joseph. (See Kampe, John F., assignor.)
- Lupton, Benjamin M., Jr., Jersey City, N. J. Astronomical-telescope mount. No. 1,118,564; Nov. 24; Gaz. vol. 208; p. 1202.
- Lupton, Minnie M., San Antonio, Tex. Bandage. No. 1,094,339; Apr. 21; Gaz. vol. 201; p. 823.
- Lupton, Ralph A., Pennville, Ind. Parcel-post scale. No. 1,095,735; May 5; Gaz. vol. 202; p. 192.
- Lupton, William A., Fort Worth, Tex. Flush-valve attachment. No. 1,086,191; Feb. 3; Gaz. vol. 199; p. 216.
- Lurass, Melvin A., Eau Claire, Wis. Rail-joint. No. 1,122,520; Dec. 29; Gaz. vol. 209; p. 1416.
- Lurch, Edward C., New York, N. Y. Comb. No. 1,093,941; Apr. 21; Gaz. vol. 201; p. 693.
- Lurie, Charles J. (See Royse, James G., assignor.)
- Lurie, William A., Chicago, Ill. Locking-bolt structure. No. 1,102,527; July 7; Gaz. vol. 204; p. 106.
- Luse, David N., Rockwell City, Iowa. Check-rower stake. No. 1,113,800; Oct. 13; Gaz. vol. 207; p. 527.
- Lush, Joseph, Newark, N. J. Device for practising golf-putting. No. 1,112,075; Sept. 29; Gaz. vol. 206; p. 1289.
- Lusk, Eli M., Knox City, Tex. Attachment for seed-planters. No. 1,114,495; Oct. 20; Gaz. vol. 207; p. 815.
- Lusk, Jackson R., Williams Bridge, N. Y. Receptacle. No. 1,119,619; Dec. 1; Gaz. vol. 209; p. 248.
- Lusk, Ross L., and F. S. Marbury, New York, N. Y. Transmission-pole. No. 1,119,521; Dec. 1; Gaz. vol. 209; p. 215.
- Lusse, Joseph. (See Lusse, Robert and J.)
- Lusse, Robert and J., Philadelphia, Pa. Animal mount or support for carousels. No. 1,112,305; Sept. 29; Gaz. vol. 206; p. 1369.
- Lussier, Joseph A., Minneapolis, Minn. Flax-puller. No. 1,087,309; Feb. 17; Gaz. vol. 199; p. 698.
- Luster, Mack C., Okmulgee, Okla. Harrow. No. 1,109,436; Sept. 1; Gaz. vol. 206; p. 205.
- Luten, Daniel B., Indianapolis, Ind. Beam. No. 1,089,487; Mar. 10; Gaz. vol. 200; p. 326.
- Luten, Daniel B., Indianapolis, Ind. Building reinforced-concrete arches. No. 1,089,488; Mar. 10; Gaz. vol. 200; p. 327.
- Luten, Daniel B., Indianapolis, Ind. Bridge construction. No. 1,090,081; Mar. 10; Gaz. vol. 200; p. 530.
- Luten, Daniel B., Indianapolis, Ind. False work. No. 1,106,880; Aug. 11; Gaz. vol. 205; p. 496.
- Luten, Daniel B., Indianapolis, Ind. Concrete bridge. (Reissue.) No. 13,833; Nov. 24; Gaz. vol. 208; p. 1321.
- Lutenberger, Mike, Blocton, Ala. Telephone signaling for railways. No. 1,085,621; Feb. 3; Gaz. vol. 199; p. 15.
- Lutenberger, Mike, Blocton, Ala. Lifting-jack. No. 1,088,236; Feb. 24; Gaz. vol. 199; p. 1066.
- Lutes, James G., Hooper, and F. E. Hardy, Hillyard, Wash. Bleed-valve. No. 1,109,774; Sept. 8; Gaz. vol. 206; p. 365.
- Lutgen, Mathias, Dubuque, Iowa. F-shaped building-block. No. 1,110,504; Sept. 15; Gaz. vol. 206; p. 666.
- Luther Bros. Co. (See Thompson, James M., assignor.)
- Luther, Frederick P., *et al.* (See Greer, Howard, Jr., assignor.)
- Luther Grinder Manufacturing Co. (See Panyard, Thomas R., assignor.)
- Luther, Otto C., assignor of one-seventh to M. Hublou, one-seventh to D. J. Murphy, one-seventh to W. H. Chapek, one-seventh to M. R. Fritz, one-seventh to P. F. Bibow, one-seventh to C. Martin, and one-seventh to F. J. Funke, Anamoose, N. D. Road-drag. No. 1,116,305; Nov. 3; Gaz. vol. 208; p. 285.
- Luther, Otto C., assignor of one-seventh to M. Hublou, one-seventh to D. J. Murphy, one-seventh to W. H. Chapek, one-seventh to M. R. Fritz, one-seventh to P. F. Bibow, one-seventh to C. Martin, and one-seventh to F. J. Funke, Anamoose, N. D. Flexible road-drag. No. 1,116,306; Nov. 3; Gaz. vol. 208; p. 285.
- Lutton, William J., Paterson, N. J. Let-off mechanism for looms. No. 1,105,335; July 28; Gaz. vol. 204; p. 1218.
- Luttrell, William J., Honey Grove, Tex. Spring-wheel for vehicles. No. 1,087,960; Feb. 24; Gaz. vol. 199; p. 971.
- Lütringhaus, Arthur, Mannheim, O. Lohse, and A. Sapper, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Brown vat dye. No. 1,090,636; Mar. 17; Gaz. vol. 200; p. 766.
- Lutz, Aloytious F., *et al.* (See Jarvis, Ruben P., assignor.)
- Lutz, George A., New York, N. Y. Means for supporting electric devices. No. 1,098,159; May 26; Gaz. vol. 202; p. 1152.
- Lutz, George A., Plainfield, N. J. Outlet or junction box. No. 1,099,987; June 16; Gaz. vol. 203; p. 634.
- Lutz, George A., Plainfield, N. J. Means for supporting electric devices. No. 1,106,103; Aug. 4; Gaz. vol. 205; p. 182.
- Lutz, George A., Plainfield, N. J., assignor to American Circular Loom Company, Portland, Me. Electroplating apparatus. No. 1,090,926; Mar. 24; Gaz. vol. 200; p. 894.
- Lutz, George A., Plainfield, N. J., assignor to American Circular Loom Company, Portland, Me. Armored conduit or conductor. No. 1,095,648; May 5; Gaz. vol. 202; p. 162.
- Lutz, George A., New York, N. Y., and C. C. Sibley, Perth Amboy, N. J. Outlet or junction box. No. 1,099,986; June 16; Gaz. vol. 203; p. 634.
- Lutz, George H., Dahlonaga, Ga. Dipper-dredge. No. 1,088,031; Feb. 24; Gaz. vol. 199; p. 996.
- Lutz, Jacob F., New York, N. Y. Ash-sieving device. No. 1,096,044; May 12; Gaz. vol. 202; p. 332.
- Lutz, William, and A. E. Doe, Chicago, Ill. Fixture-supporting attachment. No. 1,100,437; June 16; Gaz. vol. 203; p. 791.
- Lutz, William D., Allendale, assignor to Otis Elevator Company, Jersey City, N. J. Motor-controlling system. No. 1,095,507; May 5; Gaz. vol. 202; p. 115.
- Lutz, William D., Allendale, assignor to Otis Elevator Company, Jersey City, N. J. Electromagnetic brake mechanism. No. 1,102,528; July 7; Gaz. vol. 204; p. 107.
- Lutz, William D., Allendale, assignor to Otis Elevator Company, Jersey City, N. J. System of motor control. No. 1,112,925; Oct. 6; Gaz. vol. 207; p. 179.
- Lutz, William D., Allendale borough, assignor to Otis Elevator Company, Jersey City, N. J. Accelerating device for alternating-current motors. No. 1,118,296; Nov. 24; Gaz. vol. 208; p. 1105.
- Lutz, William D., Allendale, assignor to Otis Elevator Company, Jersey City, N. J. Electric brake. No. 1,120,728; Dec. 15; Gaz. vol. 209; p. 719.
- Lützhöft-Petersen, Hans H. (See Bendixen, Niels, assignor.)
- Lux, Julius K., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,092,779; Apr. 7; Gaz. vol. 201; p. 225.
- Luxmoor Company. (See Moore, Frederick W., assignor.)
- Luxmore, William, Chicago, Ill. Inhaling device. No. 1,115,702; Nov. 3; Gaz. vol. 208; p. 81.
- Luyken, Wilhelm, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Device for maintaining the equilibrium of a pendulum. No. 1,083,370; Jan. 6; Gaz. vol. 198; p. 37.
- Luyties, Otto G., Sharon Springs, N. Y. Automobile search-light. No. 1,095,583; May 5; Gaz. vol. 202; p. 140.
- Luzenski Co., T. (See Luzenski, Teofil, assignor.)
- Luzenski, Teofil, assignor to T. Luzenski Co., Berlin, Wis. Moccasin. No. 1,102,279; July 7; Gaz. vol. 204; p. 20.
- Luzzi, August F., Waco, Tex. Massage device. No. 1,083,843; Jan. 6; Gaz. vol. 198; p. 191.
- Lyford, Charles A., and E. L. Kinman, Vancouver, British Columbia, Canada. Tree-measuring instrument. No. 1,105,149; July 28; Gaz. vol. 204; p. 1150.
- Lyford, Oliver S., Jr., New York, N. Y. Steady-strain device for trolley constructions. No. 1,087,673; Feb. 17; Gaz. vol. 199; p. 827.
- Lyhne, Anker S., Bridgeport, Conn. Electric switch. No. 1,122,777; Dec. 29; Gaz. vol. 209; p. 1506.
- Lyhne, Anker S., Bridgeport, Conn. Portable electric lamp. No. 1,122,778; Dec. 29; Gaz. vol. 209; p. 1506.
- Lyle Clay Cleaner Company. (See Lyle, Robert W., assignor.)
- Lyle, Fred W., Lynn, Mass., assignor to General Electric Company. Vapor electric device. No. 1,091,680; Mar. 31; Gaz. vol. 200; p. 1193.
- Lyle, Fred W., Lynn, Mass., assignor to General Electric Company. System of distribution. No. 1,094,732; Apr. 28; Gaz. vol. 201; p. 1025.
- Lyle, Fred W., Lynn, Mass., assignor to General Electric Company. Electric regulator. No. 1,094,733; Apr. 28; Gaz. vol. 201; p. 1025.
- Lyle, Jay, Longbeach, Cal. Automatic time cut-off. No. 1,088,433; Feb. 24; Gaz. vol. 199; p. 1133.
- Lyle, Robert W., South River, N. J., assignor to Lyle Clay Cleaner Company. Knife or cutter for clay-cleaning machinery. No. 1,092,584; Apr. 7; Gaz. vol. 201; p. 159.
- Lyle, Robert W., New York, N. Y., assignor to Lyle Clay Cleaner Company. Means for separating stones from clay. No. 1,092,780; Apr. 7; Gaz. vol. 201; p. 225.

Alphabetical list of patentees—Continued.

- Lyle, Robert W., assignor to W. J. Lyle, South River, N. J. Means for crushing coal and similar substances. No. 1,113,229; Oct. 13; Gaz. vol. 207; p. 327.
- Lyle, William J. (See Lyle, Robert W., assignor.)
- Lyle, William S., Jr., San Francisco, Cal. Electric iron. No. 1,118,872; Nov. 24; Gaz. vol. 208; p. 1305.
- Lyles, Augustus, Wabbaseka, Ark. Buggy-wheel. No. 1,089,934; Mar. 10; Gaz. vol. 200; p. 482.
- Lyman, Benjamin K., assignor to Benjamin K. Lyman & Co., Chicago, Ill. Christmas-tree support. No. 1,091,000; Mar. 24; Gaz. vol. 200; p. 920.
- Lyman, Don, assignor of one-fourth to F. H. Hartwell and one-fourth to R. Wolfe, Twin Falls, Idaho. Life-preserver. No. 1,102,772; July 7; Gaz. vol. 204; p. 192.
- Lymburner, Louis M., *et al.* (See Langlais, Charles E. O., assignor.)
- Lynah, James, Newburgh, N. Y., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Automatic press-feeder. No. 1,091,855; Mar. 31; Gaz. vol. 200; p. 1257.
- Lynam, James, Newman, Cal. Fountain-brush and can. No. 1,092,656; Apr. 7; Gaz. vol. 201; p. 184.
- Lynam, James, Newman, Cal. Combined oil-can and brush. No. 1,112,815; Oct. 6; Gaz. vol. 207; p. 142.
- Lynch, Bernard W., Minneapolis, Minn. Folding pad-holding cover. No. 1,099,708; June 9; Gaz. vol. 203; p. 503.
- Lynch, Denis J. (See Adamson, John S., assignor.)
- Lynch, Edward M., assignor of one-third to W. C. Buck and one-third to H. A. Buck, St. Louis, Mo. Supplementary air-supplying device for automobile-engines and the like. No. 1,117,682; Nov. 17; Gaz. vol. 208; p. 853.
- Lynch, Elizabeth, Minneapolis, Minn. Screen. No. 1,109,437; Sept. 1; Gaz. vol. 206; p. 206.
- Lynch, Fred H. (See Hickman and Lynch.)
- Lynch, George C., New York, N. Y. Lamp. No. 1,096,440; May 12; Gaz. vol. 202; p. 468.
- Lynch, George C., New York, N. Y. Attachment for high chairs. No. 1,103,597; July 14; Gaz. vol. 204; p. 525.
- Lynch, George E., assignor to J. A. Jeffrey, Columbus, Ohio. Mining-machine. No. 1,113,160; Oct. 6; Gaz. vol. 207; p. 258.
- Lynch, Harry P., Wilkes-Barre, Pa. Shirt-sleeve holder. No. 1,116,307; Nov. 3; Gaz. vol. 208; p. 285.
- Lynch, James B., Syracuse, N. Y. Resilient wheel. No. 1,114,276; Oct. 20; Gaz. vol. 207; p. 736.
- Lynch, John M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Dies for clicking-presses. No. 1,115,079; Oct. 27; Gaz. vol. 207; p. 1072.
- Lynch, Michael J., Newport, R. I. Automatic saw-set. No. 1,092,657; Apr. 7; Gaz. vol. 201; p. 184.
- Lynch, Patrick F., Danbury, Conn. Ear-corn-holding device. No. 1,117,412; Nov. 17; Gaz. vol. 208; p. 757.
- Lynch, Robert L., Campbellsburg, Ky. Staple. No. 1,119,847; Dec. 8; Gaz. vol. 209; p. 361.
- Lynch, William B., Philadelphia, assignor to H. L. Neff, Bala, Pa. Knife-sharpener. No. 1,098,672; June 2; Gaz. vol. 203; p. 105.
- Lynch, William R., Ortiz, Colo. Cartridge-belt. No. 1,085,451; Jan. 27; Gaz. vol. 198; p. 830.
- Lynchburg Foundry Company. (See McWane, Charles W., assignor.)
- Lynd, Nettie C., Oregon City, Oreg. Holder for packing-boxes. No. 1,086,192; Feb. 3; Gaz. vol. 199; p. 217.
- Lynde, Frank G., New York, N. Y., assignor to Lauter Co., Newark, N. J. Pneumatic valve. No. 1,087,674; Feb. 17; Gaz. vol. 199; p. 828.
- Lynde, Frank G., assignor to Lauter Co., Newark, N. J. Feeder-bellows. No. 1,098,453; June 2; Gaz. vol. 203; p. 34.
- Lynde, Frank G., assignor to Lauter Co., Newark, N. J. Pedal mechanism for pneumatic piano-players. No. 1,108,452; Aug. 25; Gaz. vol. 205; p. 1141.
- Lynde, Frank G., assignor to Lauter Company, Newark, N. J. Tracking device. No. 1,114,700; Oct. 20; Gaz. vol. 207; p. 882.
- Lynen, Georg H., Passaic, N. J. Apparatus for use in the manufacture of superphosphate. No. 1,093,141; Apr. 14; Gaz. vol. 201; p. 385.
- Lyng, John J., Yonkers, assignor to Western Electric Company, New York, N. Y. Coin-collector. No. 1,098,673; June 2; Gaz. vol. 203; p. 107.
- Lyng, John J., Yonkers, assignor to Western Electric Company, New York, N. Y. Selective signaling system. No. 1,101,133; June 23; Gaz. vol. 203; p. 1085.
- Lynn, Grenville J., Los Angeles, Cal. Apparatus for priming and decarbonizing internal-combustion engines. No. 1,115,846; Nov. 3; Gaz. vol. 208; p. 129.
- Lynn, Hugh, Chicago, Ill. Vehicle-fender. No. 1,101,943; June 30; Gaz. vol. 203; p. 1416.
- Lynnequest, Victor, assignor of one-third to R. J. McKenna and one-third to R. Le Bron, Omaha, Nebr. Bed-movement. No. 1,095,120; Apr. 28; Gaz. vol. 201; p. 1156.
- Lynnock, Carl, Denver, Colo., assignor, by mesne assignments, to Modern Sales Bureau, Chicago, Ill. Engine-starter for automobiles. No. 1,090,637; Mar. 17; Gaz. vol. 200; p. 766.
- Lyon, Charles D., assignor of one-half to F. E. Wolf, St. Louis, Mo. Sound-intensifier. No. 1,114,496; Oct. 20; Gaz. vol. 207; p. 815.
- Lyon, Clarence E., Norbury, England. Autopiano and analogous musical instrument. No. 1,105,673; Aug. 4; Gaz. vol. 205; p. 30.
- Lyon Conklin & Company. (See Clautice, George J., assignor.)
- Lyon, Conklin & Company. (See Marvell, Roy W., assignor.)
- Lyon, George A., Philadelphia, Pa. Non-skidding attachment for wheel-tires. No. 1,115,221; Oct. 27; Gaz. vol. 207; p. 1123.
- Lyon, Harry, assignor to The Brockton Rand Company, Brockton, Mass. Scarfing-machine. No. 1,113,364; Oct. 13; Gaz. vol. 207; p. 375.
- Lyon, Harry, Brockton, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Tack-pulling machine. No. 1,119,708; Dec. 1; Gaz. vol. 209; p. 278.
- Lyon & Healy. (See Hoppman, John M., assignor.)
- Lyon, Howard, assignor to Welsbach Light Company, Gloucester City, N. J. Ignition apparatus. No. 1,101,648; June 30; Gaz. vol. 203; p. 1313.
- Lyon, Howard, Gloucester City, N. J., assignor to Welsbach Light Company. Gas-fixture. No. 1,115,847; Nov. 3; Gaz. vol. 208; p. 129.
- Lyon, Howard, Gloucester City, N. J., assignor to Welsbach Light Company. Method and means for gas ignition. No. 1,118,940; Dec. 1; Gaz. vol. 209; p. 12.
- Lyon, Howard, Gloucester City, N. J., assignor to Welsbach Light Company. Ignition apparatus. No. 1,118,941; Dec. 1; Gaz. vol. 209; p. 12.
- Lyon, Howard, Gloucester City, N. J., assignor to Welsbach Light Company. Ignition device. No. 1,118,942; Dec. 1; Gaz. vol. 209; p. 13.
- Lyon, Howard, Gloucester City, N. J., assignor to Welsbach Light Company. Gas ignition apparatus. No. 1,118,943; Dec. 1; Gaz. vol. 209; p. 13.
- Lyon, Roy M., assignor of three-tenths to G. C. Walter, Denver, Colo. Shock-absorber. No. 1,089,002; Mar. 3; Gaz. vol. 200; p. 112.
- Lyon, Sherley B., Lexington, Ky. Cultivator. No. 1,109,438; Sept. 1; Gaz. vol. 206; p. 206.
- Lyon, Swift B., Worcester, Mass. Piano-action. No. 1,121,517; Dec. 15; Gaz. vol. 209; p. 994.
- Lyon, Tracy, assignor, by mesne assignments, to Motor Products Company, Detroit, Mich. Motor-vehicle. No. 1,121,193; Dec. 15; Gaz. vol. 209; p. 884.
- Lyon, Wilmer A. (See Dresser, Frank A., assignor.)
- Lyons, Daniel D., Carpenter, Iowa. Foot-guard for rails. No. 1,120,069; Dec. 8; Gaz. vol. 209; p. 438.
- Lyons, Harry B., Cleveland, Ohio, assignor, by mesne assignments, to Union Button Sewing Company, Boston, Mass. Hook-holding device for sewing-machines. No. 1,101,134; June 23; Gaz. vol. 203; p. 1085.
- Lyons, Irving H., and R. J. Gruenberg, assignors to S. F. Walter, San Francisco, Cal. Garment receptacle and hanger. No. 1,084,216; Jan. 13; Gaz. vol. 198; p. 349.
- Lyons, James F., Somerville, Mass. Spirit-level. No. 1,114,277; Oct. 20; Gaz. vol. 207; p. 736.
- Lyons, Jeremiah J. (See Deuscher, Charles A., assignor.)
- Lyons, John F., New Britain, assignor to H. M. Clayton, deceased; F. S. Neal, Plainville, Conn., administrator. Folding lunch-box. No. 1,101,135; June 23; Gaz. vol. 203; p. 1086.
- Lyons, Montraville A. (See Schee and Lyons.)
- Lyons, Robert E., Bloomington, Ind. Recovering rusty gold and native platinum metals. No. 1,118,944; Dec. 1; Gaz. vol. 209; p. 13.
- Lyrachord Company. (See Breed, George, assignor.)
- Lytle, Harry R., Davis, assignor of six-sevenths to W. J. Rhoads, F. H. Armsburger, W. Kuechler, M. Menasses, A. Wilbur, Stockton, and W. A. Dower, San Andreas, Cal. Dredge. No. 1,118,565; Nov. 24; Gaz. vol. 208; p. 1202.
- Lytle, Joseph, Jr., Liverpool, England. Trellis. No. 1,083,450; Jan. 6; Gaz. vol. 198; p. 64.
- Lytle, Joseph, Jr., Formby, Liverpool, England. Weed-killing device. No. 1,105,674; Aug. 4; Gaz. vol. 205; p. 30.
- Lytton, Harry, *et al.* (See McCormick, John I., assignor.)
- Lytton, Jarard W., assignor to Lytton Manufacturing Corporation, Franklin, Va. Trap. No. 1,090,927; Mar. 24; Gaz. vol. 200; p. 894.
- Lytton, Jarard W., assignor to Lytton Manufacturing Corporation, Franklin, Va. Float. No. 1,120,070; Dec. 8; Gaz. vol. 209; p. 438.
- Lytton, Jarard W., assignor to Lytton Manufacturing Corporation, Franklin, Va. Piston-trap. No. 1,122,779; Dec. 29; Gaz. vol. 209; p. 1507.
- Lytton Manufacturing Corporation. (See Lytton, Jarard W., assignor.)
- Lytton, Walter, Chicago, Ill. Ribbon-winding machine. No. 1,114,779; Oct. 27; Gaz. vol. 207; p. 964.
- Lytton, William, *et al.* (See McCormick, John I., assignor.)
- M. Garland Company, The. (See Devlin, Henry, assignor.)
- M. Linkman Company. (See Linkman, Louis B., assignor.)
- M. Rumely Company. (See Brunnemer, William T. M., assignor.)
- M. Rumely Company. (See Caughey, Robert C., assignor.)

Alphabetical list of patentees—Continued.

- M. Rumely Company. (See Harrison, James R., assignor.)
M. Rumely Company. (See Higgins, William H. C., Jr., assignor.)
M. Rumely Company. (See Rumely, Edward A., assignor.)
M. Rumely Company. (See Secor, John A., assignor.)
M. Schulz Co. (See Gustafson, Adolph P., assignor.)
M. A. Hunt Company, The. (See Chapman, Arthur A., assignor.)
M. D. Knowlton Company. (See Clarke, Fred D., assignor.)
M. D. Knowlton Company. (See De Smith, Henry, assignor.)
M. D. Knowlton Company. (See Feeley, Frank G., assignor.)
M. D. Knowlton Company. (See Hawkins, Edgar M., assignor.)
M. D. Knowlton Company. (See Hawkins and Feeley, assignors.)
M. D. Knowlton Company. (See Seymour, Charles R., assignor.)
M. H. Foundry and Manufacturing Co. (See Laciny, Leopold W., assignor.)
M. H. Jester Investment Company, The. (See Jester, Marvin H., assignor.)
M. H. Treadwell Company. (See Astrom, Carl P., assignor.)
M. S. Wright Company. (See Bush, William, assignor.)
M. S. Wright Company. (See Wright, Morris S., assignor.)
M. T. Stevens & Sons Company. (See Stone, George, assignor.)
Maag, Edward, Mount Vernon, N. Y. Blank jacquard-card. No. 1,093,142; Apr. 14; Gaz. vol. 201; p. 385.
Maag, Philip, near Webster Groves, Mo. Antiskidding device for automobiles and the like. No. 1,107,430; Aug. 18; Gaz. vol. 205; p. 738.
Maas, George J., Negaunee, Mich. Rack. No. 1,087,310; Feb. 17; Gaz. vol. 199; p. 698.
Maas, Henry, Le Sueur, Minn. Grain-conveyer. No. 1,122,619; Dec. 29; Gaz. vol. 209; p. 1450.
Maas, Martin A., assignor of two-fifths to J. Monis, Sunnyvale, Cal. Disk cultivator. No. 1,116,454; Nov. 10; Gaz. vol. 208; p. 377.
Mabbett, Lorenzo G. (See Heberling and Mabbett.)
Mabin, David O. (See Alkire and Mabin.)
Mabin, John W., Red Wing, Minn., assignor to C. A. Hager, Bay City, Wis. Vending-machine. No. 1,085,747; Feb. 3; Gaz. vol. 199; p. 60.
MacAllister, Alexander, Brownsburg, Quebec, Canada. Fly-screen. No. 1,119,294; Dec. 1; Gaz. vol. 209; p. 135.
MacAskill, Simon P. (See Upton, Samuel, assignor.)
MacBain, Donald R., Cleveland, Ohio. Gage-glass apparatus. No. 1,105,150; July 28; Gaz. vol. 204; p. 1151.
MacCaskey Register Company, (Incorporated in 1914), The. (See Hick, Harry J., assignor.)
MacConchie, George, Newark, N. J. Street-sweeper. No. 1,089,935; Mar. 10; Gaz. vol. 200; p. 482.
MacCormack, George A., assignor to United States Fastener Company, Boston, Mass. Fastener. No. 1,104,204; July 21; Gaz. vol. 204; p. 775.
MacCune, John G., assignor of one-half to F. H. Peterson, Minneapolis, Minn. Embroidery-hoop. No. 1,088,913; Mar. 3; Gaz. vol. 200; p. 82.
MacDonald, Alexander E., Worcester, Mass. Refrigerator-drain. No. 1,096,441; May 12; Gaz. vol. 202; p. 468.
MacDonald, Angus R., Sydney, Nova Scotia, Canada. Rail-brace. No. 1,101,463; June 23; Gaz. vol. 203; p. 1196.
MacDonald, Archibald D., South Yarra, Victoria, Australia. Aerial propeller. No. 1,095,649; May 5; Gaz. vol. 202; p. 162.
MacDonald, Bernard, South Pasadena, Cal. Acid-proof air-nozzle and valve. No. 1,116,308; Nov. 3; Gaz. vol. 208; p. 285.
MacDonald Car Buffer Limited. (See McDonald, William T. B., assignor.)
MacDonald, Howard G., Pittsburgh, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit-breaker. No. 1,087,500; Feb. 17; Gaz. vol. 199; p. 765.
MacDonald, Howard G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-interrupter. No. 1,119,971; Dec. 8; Gaz. vol. 209; p. 404.
MacDonald, James H., New Haven, Conn. Sewer-inlet. No. 1,107,812; Aug. 18; Gaz. vol. 205; p. 872.
MacDonald, James M. (See Whitaker and MacDonald.)
MacDonald, Joseph D., Butte, Mont. Pneumatic engine or tool. No. 1,110,067; Sept. 8; Gaz. vol. 206; p. 469.
MacDonald, Joseph D., Butte, Mont. Drill. No. 1,114,497; Oct. 20; Gaz. vol. 207; p. 816.
MacDougall, James, Phoenixville, Pa. Dirt-scraper. No. 1,105,283; July 28; Gaz. vol. 204; p. 1198.
MacDougall, William D., Washington, D. C. Method and apparatus for simulating the appearance of movement in a target caused at sea by rolling and yawing. No. 1,093,639; Apr. 21; Gaz. vol. 201; p. 592.
MacDowney, Silas C., Chicago, Ill. Corner-post joint for plate-glasses. No. 1,083,502; Jan. 6; Gaz. vol. 198; p. 80.
MacDowney, Silas C., Chicago, Ill. Glass setting. No. 1,121,565; Dec. 15; Gaz. vol. 209; p. 1012.
MacEvoy, Thaddeus F., Newark, N. J. Wall-fixture. No. 1,086,829; Feb. 10; Gaz. vol. 199; p. 482.
MacFarland, Merle, Maplewood, N. J., assignor to Columbia Nut and Bolt Company, Incorporated, Bridgeport, Conn. Starting device for explosive-engines. No. 1,089,568; Mar. 10; Gaz. vol. 200; p. 354.
MacFarland, William J. (See Courser, Fred M., assignor.)
MacFarland, William J., Boston, Mass. Shoe. No. 1,101,747; June 30; Gaz. vol. 203; p. 1345.
MacFarland, William J., Boston, Mass. Making shoes. No. 1,101,748; June 30; Gaz. vol. 203; p. 1345.
MacFarlane, James S., assignor to Canadian Car & Foundry Co. Limited, Montreal, Quebec, Canada. Carbolster. No. 1,119,027; Dec. 1; Gaz. vol. 209; p. 46.
MacFarlane, Oliver P., et al. (See Jeffreys, Robert D., assignor.)
MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,116,455; Nov. 10; Gaz. vol. 208; p. 378.
MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit connection for electrical apparatus. No. 1,120,829; Dec. 15; Gaz. vol. 209; p. 755.
MacGlashan, William, assignor to The Studebaker Corporation, South Bend, Ind. Battery support and clamp. No. 1,091,583; Mar. 31; Gaz. vol. 200; p. 1160.
MacGlashan, William, assignor to The Studebaker Corporation, South Bend, Ind. Safety-switch for motor-vehicles. No. 1,094,798; Apr. 28; Gaz. vol. 201; p. 1047.
MacGlashan, William, assignor to The Studebaker Corporation, South Bend, Ind. Brake torque-frame. No. 1,102,529; July 7; Gaz. vol. 204; p. 107.
MacGlashan, William, assignor to The Studebaker Corporation, South Bend, Ind. Motor and transmission support. No. 1,111,699; Sept. 22; Gaz. vol. 206; p. 1125.
MacGlashan, William, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Control-lock. No. 1,113,230; Oct. 13; Gaz. vol. 207; p. 327.
MacGowan, William, Chicago, Ill. Printing-press roll. No. 1,104,432; July 21; Gaz. vol. 204; p. 853.
MacGrath, Richard S., Winnipeg, Manitoba, Canada. Trunk. No. 1,111,700; Sept. 22; Gaz. vol. 206; p. 1125.
MacGregor, Peter G., New York, N. Y., assignor to Pyrene Manufacturing Company. Automatic fire-extinguisher. No. 1,099,657; June 9; Gaz. vol. 203; p. 485.
MacGregor, Peter G., New York, N. Y., assignor to P. G. MacGregor, E. M. Davidson, and P. L. Wilbur. Contact-oiler. No. 1,115,848; Nov. 3; Gaz. vol. 208; p. 130.
MacGregor, Wallace F., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Threshing-machine. No. 1,096,547; May 12; Gaz. vol. 202; p. 504.
MacIntosh, William J., Arlington, N. J., assignor of one-half to H. Schloss, New York, N. Y. Making combs. No. 1,095,584; May 5; Gaz. vol. 202; p. 141.
Mac-It Parts Company. (See Warren, Henry E., assignor.)
MacKay Copper Process Company. (See MacKay, Henry S., assignor.)
MacKay, Henry S., assignor to MacKay Copper Process Company, Riverside, Cal. Apparatus for extracting metals from their ores. No. 1,084,351; Jan. 13; Gaz. vol. 198; p. 392.
MacKay, Henry S., assignor to MacKay Process Company, Norwich, Conn. Extracting metals from ores. No. 1,094,371; Apr. 21; Gaz. vol. 201; p. 834.
MacKay, John F., Trenton, N. J. Brooder. No. 1,103,887; July 14; Gaz. vol. 204; p. 626.
MacKay Process Company. (See MacKay, Henry S., assignor.)
MacKearnin, Charles S., Buffalo, N. Y. Door-operating device. No. 1,111,801; Sept. 29; Gaz. vol. 206; p. 1197.
MacKelvey, William, Waltham, Mass. Brush. No. 1,091,228; Mar. 24; Gaz. vol. 200; p. 1000.
MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,097,248; May 19; Gaz. vol. 202; p. 790.
MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,106,393; Aug. 11; Gaz. vol. 205; p. 322.
MacKenzie, Fred L., Beverly, Mass., assignor to The United Shoe Machinery Company. Tack-pulling machine. No. 1,109,238; Sept. 1; Gaz. vol. 206; p. 136.
MacKenzie, Frederick W., Washington, D. C. Filler for textile fabrics. No. 1,117,873; Nov. 17; Gaz. vol. 208; p. 920.
MacKinnon, Albert E., New York, N. Y. Portable newspaper-rack. No. 1,089,569; Mar. 10; Gaz. vol. 200; p. 355.
MacKinnon, Archibald, Tuckahoe, N. Y. Mold for making cork boards. No. 1,121,263; Dec. 15; Gaz. vol. 209; p. 907.
MacLachlan, Lachlan, assignor to F. C. Austin, Chicago, Ill. Device for filling in trenches or ditches. No. 1,112,016; Sept. 29; Gaz. vol. 206; p. 1268.
MacLafferty, Taylor H., Tenino, Wash. Logging-car bunk. No. 1,087,311; Feb. 17; Gaz. vol. 199; p. 698.

Alphabetical list of patentees—Continued.

- MacLean, Fredrick F., Syracuse, N. Y. Light-deflector for headlights. No. 1,119,709; Dec. 1; Gaz. vol. 209; p. 278.
- MacLean, John M., La Panza, assignor of one-third to F. K. Lippitt and one-third to T. Maclay, Petaluma, Cal. Interest-calculator. No. 1,113,801; Oct. 13; Gaz. vol. 207; p. 526.
- MacLeod, A. L. (See Bailey, Robert L., assignor.)
- MacLeod, George S., Seattle, Wash. Storm-shield for vehicles. No. 1,094,665; Apr. 28; Gaz. vol. 201; p. 1000.
- MacLeod, Norman, Smiths Falls, Ontario, Canada. Fire-escape. No. 1,085,216; Jan. 27; Gaz. vol. 198; p. 750.
- MacMahon, John A., Philadelphia, Pa. Car-fender mechanism. No. 1,095,650; May 5; Gaz. vol. 202; p. 162.
- MacMahon, John A., Philadelphia, Pa. Car-fender. No. 1,095,651; May 5; Gaz. vol. 202; p. 163.
- MacNeil, Thomas P., assignor of one-half to A. Y. McDonald, Glace Bay, Nova Scotia, Canada. Wrench. No. 1,087,025; Feb. 10; Gaz. vol. 199; p. 547.
- MacNutt, Barry, South Bethlehem, Pa. Carbureter for internal-combustion engines. No. 1,097,554; May 19; Gaz. vol. 202; p. 894.
- MacPherson, James A., Jr., Kansas City, Mo. Union garment. No. 1,099,755; June 9; Gaz. vol. 203; p. 518.
- MacQueen, Donald, Port Huron, Mich. Holder for playing-cards. No. 1,104,687; July 21; Gaz. vol. 204; p. 942.
- MacRae, John G., assignor of one-fourth to G. Runtz and one-fourth to G. F. Anderson, Aspen, Colo. Rail-tie. No. 1,099,305; June 9; Gaz. vol. 203; p. 363.
- MacRae, Mungo L., assignor of one-third to G. C. Reilley and one-third to L. G. Banker, Schenectady, N. Y. Adjustable support for chairs, stools, &c. No. 1,114,896; Oct. 27; Gaz. vol. 207; p. 1005.
- MacWilliam, James F., Worcester, Mass. Cop-winder. No. 1,105,151; July 28; Gaz. vol. 204; p. 1151.
- Macadam, John, Chester, assignor to The Eddystone Manufacturing Company, Eddystone, Pa. Apparatus for bleaching and scouring fibrous materials. No. 1,107,160; Aug. 11; Gaz. vol. 205; p. 594.
- Macak, William J. (See Oster and Macak.)
- Macarthy, Charles E., Griffin, Ga. Therapeutic device. No. 1,095,899; May 5; Gaz. vol. 202; p. 246.
- Macauley, Alvan, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,122,014; Dec. 22; Gaz. vol. 209; p. 1206.
- Macbeth-Evans Glass Company. (See Macbeth, George A., assignor.)
- Macbeth, George A., Pittsburgh, Pa. Lamp-lens. No. 1,096,114; May 12; Gaz. vol. 202; p. 356.
- Macbeth, George A., Pittsburgh, Pa. Lighting-fixture. No. 1,108,453; Aug. 25; Gaz. vol. 205; p. 1141.
- Macbeth, George A., Pittsburgh, Pa. Glass-grinding apparatus. No. 1,114,160; Oct. 20; Gaz. vol. 207; p. 693.
- Macbeth, George A., Pittsburgh, Pa. Lamp. No. 1,119,848; Dec. 8; Gaz. vol. 209; p. 361.
- Macbeth, George A., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Method and batch or mixture for making illuminating-glass. No. 1,097,600; May 19; Gaz. vol. 202; p. 910.
- Macbeth, George A., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Method and batch or mixture for making illuminating-glass. (Reissue.) No. 13,766; July 7; Gaz. vol. 204; p. 278.
- Maccallum, Norman E., Phoenixville, Pa. Furnace-wall construction. No. 1,106,725; Aug. 11; Gaz. vol. 205; p. 442.
- Maccallum, Norman E., assignor of one-fourth to F. P. Norris, Phoenixville, and one-fourth to The Phoenix Iron Company, Philadelphia, Pa. Process and apparatus for the manufacture of steel. (Reissue.) No. 13,782; July 28; Gaz. vol. 204; p. 1312.
- Macchioni, Abbonio, *et al.* (See Bonali, Frank, assignor.)
- Macco, Peter, Carney, Mich. Pea-harvester. No. 1,105,445; July 28; Gaz. vol. 204; p. 1258.
- Macdonald, Alexander, Inverell, New South Wales, Australia. Road-wagon. No. 1,093,447; Apr. 14; Gaz. vol. 201; p. 487.
- Macdonald, Charlotte, Ossining, N. Y. Corset. No. 1,088,601; Feb. 24; Gaz. vol. 199; p. 1185.
- Macdonald, Harry P., Montclair, assignor to The Snead & Co. Iron Works, Jersey City, N. J. Ramming sand molds. No. 1,083,546; Jan. 6; Gaz. vol. 198; p. 96.
- Macdonald, Harry P., Montclair, assignor to The Snead & Co. Iron Works, Jersey City, N. J. Roll-ramming apparatus. No. 1,084,157; Jan. 13; Gaz. vol. 198; p. 328.
- Macdonald, Harry P., Montclair, assignor to The Snead & Co. Iron Works, Jersey City, N. J. Pattern-drawing apparatus. No. 1,088,083; Feb. 24; Gaz. vol. 199; p. 1014.
- Macdonald, Harry P., Montclair, assignor to The Snead & Co. Iron Works, Jersey City, N. J. Pattern-drawing apparatus. No. 1,088,084; Feb. 24; Gaz. vol. 199; p. 1015.
- Macdonald, Harry P., Montclair, assignor to The Snead & Co. Iron Works, Jersey City, N. J. Roll ramming apparatus. No. 1,092,844; Apr. 14; Gaz. vol. 201; p. 283.
- Macdonald, Harry P., Montclair, assignor to The Snead & Co. Iron Works, Jersey City, N. J. Tread. No. 1,097,656; May 26; Gaz. vol. 202; p. 975.
- Macdonald, Harry P., Montclair, and H. C. Parker, Elizabeth, assignors to The Snead & Co. Iron Works, Jersey City, N. J. Roll-ramming apparatus. No. 1,086,064; Feb. 3; Gaz. vol. 199; p. 175.
- Macdonald, Harry P., Montclair, and H. C. Parker, Elizabeth, assignors to The Snead & Co. Iron Works, Jersey City, N. J. Roll ramming apparatus. No. 1,094,157; Apr. 21; Gaz. vol. 201; p. 767.
- Macdonald, John D., Pittsburgh, Pa. Electrically-operated drop-hammer. No. 1,122,962; Dec. 29; Gaz. vol. 209; p. 1571.
- Macdonald, John W. F., South Framingham, Mass., and D. W. Robb, Amherst, Nova Scotia, assignors to International Engineering Works, Ltd., Montreal, Canada. Steam-boiler construction. No. 1,120,071; Dec. 8; Gaz. vol. 209; p. 439.
- Macdonald, Lester S., Beverly, Mass. Lacing-hook. No. 1,117,413; Nov. 17; Gaz. vol. 208; p. 758.
- Macdonald, Sophie B., executrix. (See Macdonald, Thomas H.)
- Macdonald, Thomas H., assignor to American Graphophone Company, Bridgeport, Conn. Sound-box. No. 1,091,001; Mar. 24; Gaz. vol. 200; p. 920.
- Macdonald, Thomas H., assignor to American Graphophone Company, Bridgeport, Conn. Sound-box and mounting therefor. No. 1,093,710; Apr. 21; Gaz. vol. 201; p. 618.
- Macdonald, Thomas H., assignor to American Graphophone Company, Bridgeport, Conn. Talking-machine. No. 1,099,928; June 16; Gaz. vol. 203; p. 615.
- Macdonald, Thomas H., assignor to American Graphophone Company, Bridgeport, Conn. Dictation-graphophone. No. 1,100,024; June 16; Gaz. vol. 203; p. 647.
- Macdonald, Thomas H., assignor to American Graphophone Company, Bridgeport, Conn. Metal sound-record. No. 1,114,010; Oct. 20; Gaz. vol. 207; p. 639.
- Macdonald, Thomas H., assignor to American Graphophone Company, Bridgeport, Conn. Combined display device and announcing-graphophone. No. 1,119,295; Dec. 1; Gaz. vol. 209; p. 136.
- Macdonald, Thomas H., deceased; S. B. Macdonald, executrix, assignor to American Graphophone Company, Bridgeport, Conn. Automatic display device. No. 1,090,552; Mar. 17; Gaz. vol. 200; p. 737.
- Macdonald, Thomas H., deceased; S. B. Macdonald, executrix, assignor to American Graphophone Company, Bridgeport, Conn. Dictaphone. No. 1,100,755; June 23; Gaz. vol. 203; p. 951.
- Macedo, Joseph F. de, Victoria, British Columbia, Canada. Fastening for envelopes and the like. No. 1,097,811; May 26; Gaz. vol. 202; p. 1031.
- Macek, Johan. (See Brunet and Macek.)
- Macey Co., The. (See Wernicke, Otto H. L., assignor.)
- Macey, Fred J., San Diego, Cal. Carbureter. No. 1,103,789; July 14; Gaz. vol. 204; p. 592.
- Macfarren, Walter W. (See Frary and Macfarren.)
- Macfarren, Walter W. (See Kuhn and Macfarren.)
- Macfarren, Walter W. (See Varley and Macfarren.)
- Macfarren, Walter W., Pittsburgh, Pa. Fluid-pressure engine. No. 1,116,346; Nov. 3; Gaz. vol. 208; p. 300.
- Machalske, Florentine J., assignor, by mesne assignments, to American Ferroelectride Corporation, Plattsburg, N. Y. Electrode. No. 1,099,558; June 9; Gaz. vol. 203; p. 452.
- Machalske, Florentine J., assignor, by mesne assignments, to American Ferroelectride Corporation, Plattsburg, N. Y. Electric furnace. No. 1,099,559; June 9; Gaz. vol. 203; p. 452.
- Machalske, Florentine J., assignor, by mesne assignments, to American Ferroelectride Corporation, Plattsburg, N. Y. Smelting ores. No. 1,099,709; June 9; Gaz. vol. 203; p. 504.
- Machenbach, Richard, Schlebusch, near Cologne, Germany. Shrapnel-guide. No. 1,101,136; June 23; Gaz. vol. 203; p. 1086.
- Machenbach, Richard, Berlin, assignor to Sprengstoff A.-G. Carbonit, Hamburg, Germany. Rifle shell or grenade with percussion-fusee. No. 1,094,340; Apr. 21; Gaz. vol. 201; p. 823.
- Machine Parts Company, The. (See Colson, Frederick W., assignor.)
- Machine Parts Company, The. (See Smith, James C., assignor.)
- Machinery and Electrical Company. (See McConnell, Clinton, assignor.)
- Machlet, Adolph W., Elizabeth, N. J. Hardening or treatment of steel, iron, &c. No. 1,092,925; Apr. 14; Gaz. vol. 201; p. 310.
- Machlet, Adolph W., Elizabeth, N. J. Case-hardening. No. 1,106,573; Aug. 11; Gaz. vol. 205; p. 390.
- Machlet, Fritz W., Elizabeth, N. J. Engine, air-pump, &c. No. 1,119,972; Dec. 8; Gaz. vol. 209; p. 404.
- Machlet, George, Jr., Elizabeth, N. J. Heating apparatus. No. 1,099,658; June 9; Gaz. vol. 203; p. 485.
- Mack, Coster J., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Safety attachment for punch-presses. No. 1,113,026; Oct. 6; Gaz. vol. 207; p. 213.
- Mack, Elmer E., Los Gatos, Cal. Prune-gatherer. No. 1,095,585; May 5; Gaz. vol. 202; p. 141.
- Mack, Henry E., Jr. (See Dyer and Mack.)

Alphabetical list of patentees—Continued.

- Mack, Henry E., Jr., *et al.* (See Warren, John N., assignor.)
- Mack, Hereward M., and W. P. Andrick, New York, N. Y., assignors to General Acoustic Company. Junction-board. No. 1,122,290; Dec. 29; Gaz. vol. 209; p. 1339.
- Mack, James T., Buffalo, N. Y. Short-turning gear. No. 1,108,507; Aug. 25; Gaz. vol. 205; p. 1162.
- Mack, Patrick H., Bradford, assignor to Oil Well Supply Company, Pittsburgh, Pa. Oil-well packer. No. 1,109,078; Sept. 1; Gaz. vol. 206; p. 79.
- Mack, Patrick H., Bradford, assignor to Oil Well Supply Company, Pittsburgh, Pa. Oil-well packer. No. 1,111,478; Sept. 22; Gaz. vol. 206; p. 1046.
- Mack, Stephen W. (See McDonald and Mack.)
- Mack, William A., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Feeding mechanism for sewing-machines. No. 1,089,420; Mar. 10; Gaz. vol. 200; p. 301.
- Mackay, Edmund. (See Ferrall and Mackay.)
- Mackay, John W. (See Matter, Gustave O., assignor.)
- Mackearnin, Charles S., Boston, Mass. Station-indicator. No. 1,099,386; June 9; Gaz. vol. 203; p. 393.
- Mackerey, Charles J., Philadelphia, Pa. Steam-trap. No. 1,118,300; Nov. 24; Gaz. vol. 208; p. 1106.
- Mackert, Joseph, Seattle, Wash. Umbrella. No. 1,083,547; Jan. 6; Gaz. vol. 198; p. 96.
- Mackey, Orsmer H., Marlboro, N. Y. Tie for railway-rails. No. 1,110,952; Sept. 15; Gaz. vol. 206; p. 823.
- Mackey, Orsmer H., Marlboro, N. Y. Tie. No. 1,110,953; Sept. 15; Gaz. vol. 206; p. 823.
- Mackie, Edwin M., North Tarrytown, N. Y., assignor to Chicago Pneumatic Tool Company, Chicago, Ill. Compressor. No. 1,092,278; Apr. 7; Gaz. vol. 201; p. 53.
- Mackie, Isaac S., New York, N. Y. Golf-club. No. 1,098,630; June 2; Gaz. vol. 203; p. 95.
- Mackie, Robert, assignor to John I. Thornycroft & Co. Limited, Woolston, England. Spraying device. No. 1,098,160; May 26; Gaz. vol. 202; p. 1152.
- Mackie, William G., Green Bay, Wis. Unloading sand-scow. No. 1,084,889; Jan. 20; Gaz. vol. 198; p. 602.
- Mackiewicz, Stanislaw, Scottsdale, W. Va. Life-boat. No. 1,096,514; May 12; Gaz. vol. 202; p. 493.
- Mackilbank, Benjamin. (See Lupowitz and Mackilbank.)
- Mackin, Sam, Laredo, Tex. Refrigerating apparatus. No. 1,095,008; Apr. 28; Gaz. vol. 201; p. 1120.
- Mackintosh, Edward D., assignor of one-half to S. S. Hepworth Company, New York, N. Y. Centrifugal-machine unloader. No. 1,102,530; July 7; Gaz. vol. 204; p. 108.
- Mackintosh, John, Halifax, England. Paper or the like for wrapping or parceling sweetmeats or other suitable foodstuffs. No. 1,113,904; Oct. 13; Gaz. vol. 207; p. 564.
- Macklin, Harry J. (See Beadman and Macklin.)
- Mackrell, John H., assignor of one-half to M. B. Snow, Butler, Pa. Line-clip. No. 1,116,456; Nov. 10; Gaz. vol. 208; p. 378.
- Macku, Bedrich, Brünn, Austria-Hungary, L. Mandelstam and N. Papalex, Strassburg, Germany. Arrangement for producing slightly-damped electrical oscillations. No. 1,087,126; Feb. 17; Gaz. vol. 199; p. 633.
- MacLay, Thomas, *et al.* (See MacLean, John M., assignor.)
- Macleary, Joseph H., Wilmington, Del. Emergency air-brake device. No. 1,103,790; July 14; Gaz. vol. 204; p. 593.
- Macleary, Joseph H., and H. D. E. Little, Suffolk, Va. Peanut-stemmer. No. 1,083,844; Jan. 6; Gaz. vol. 198; p. 191.
- Macleod, Malcolm, Toronto, Ontario, Canada. Heating of lock and dock gates, marine vessels, and the like. No. 1,104,914; July 28; Gaz. vol. 204; p. 1071.
- Macleod, Malcolm, Toronto, Ontario, Canada. Heating ships and the like. No. 1,114,498; Oct. 20; Gaz. vol. 207; p. 816.
- Macneale, Neil, assignor to The Toledo Electric Welder Company, Cincinnati, Ohio. Electric welding-machine. No. 1,093,281; Apr. 14; Gaz. vol. 201; p. 432.
- Macneill, Martin B., Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill. Centrifugal pump. No. 1,105,807; Aug. 4; Gaz. vol. 205; p. 77.
- Macneill, Martin B., Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill. Centrifugal pump. No. 1,105,808; Aug. 4; Gaz. vol. 205; p. 78.
- Macnicol, Arnold N., Melbourne, Victoria, Australia. Cleaning apparatus. No. 1,122,963; Dec. 29; Gaz. vol. 209; p. 1572.
- Macphail, James, Davenport, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Combined side-delivery hay rake and tedder. No. 1,087,541; Feb. 17; Gaz. vol. 199; p. 779.
- Macphail, James, Davenport, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Tooth-holder for sulky hay-rakes. No. 1,099,150; June 2; Gaz. vol. 203; p. 265.
- Macy, Luna M., Adel, Iowa. Ice-cutting machine. No. 1,102,989; July 7; Gaz. vol. 204; p. 265.
- Madagascar Minerals Syndicate Limited, The. (See Sulman and Picard, assignors.)
- Madaler, Ferdinand von, West Drayton, assignor to The Rotary Photographic Company, Limited, London, England. Film-carrier. No. 1,100,591; June 16; Gaz. vol. 203; p. 841.
- Madarász, Anton, and F. Abraham, Battle Creek, Mich. Rail-joint. No. 1,115,703; Nov. 3; Gaz. vol. 208; p. 82.
- Madary, Edward C., Traverse City, Mich. Incubator and brooder. No. 1,119,090; Dec. 1; Gaz. vol. 209; p. 67.
- Madden, Charles F., Beaumont, Mass. Bottle-holder. No. 1,084,457; Jan. 13; Gaz. vol. 198; p. 425.
- Madden, Edwin C., New York, N. Y. Wheel. No. 1,122,620; Dec. 29; Gaz. vol. 209; p. 1451.
- Madden, George F., Leeton, Utah. Baling-press. No. 1,100,592; June 16; Gaz. vol. 203; p. 841.
- Madden, Harry D., Bloomfield, N. J., and W. G. Housekeeper, Philadelphia, Pa., assignors to Westinghouse Lamp Company. Preparing conducting-filaments. No. 1,099,095; June 2; Gaz. vol. 203; p. 246.
- Madden, Michael, West Frankfort, Ill. Pick. No. 1,088,032; Feb. 24; Gaz. vol. 199; p. 996.
- Madden, Patrick J., Chicago, Ill. Pipe-coupling. No. 1,089,656; Mar. 10; Gaz. vol. 200; p. 385.
- Madden, Patrick J., Chicago, Ill. Potter's tool. No. 1,089,846; Mar. 10; Gaz. vol. 200; p. 449.
- Madden, Patrick J., Chicago, Ill. Flushing apparatus. No. 1,096,176; May 12; Gaz. vol. 202; p. 377.
- Madden, Patrick J., Chicago, Ill. Flushing apparatus. No. 1,096,788; May 12; Gaz. vol. 202; p. 583.
- Madden, Patrick J., Chicago, Ill. Drinking-fountain. No. 1,101,749; June 30; Gaz. vol. 203; p. 1346.
- Madden, Patrick J., Deposit, N. Y. Railway-tie. No. 1,105,675; Aug. 4; Gaz. vol. 205; p. 31.
- Madden, Patrick J., Binghamton, N. Y. Railway-tie. No. 1,121,264; Dec. 15; Gaz. vol. 209; p. 907.
- Madden, Thomas F., St. Louis, Mo. Locomotive ashpan. No. 1,107,682; Aug. 18; Gaz. vol. 205; p. 827.
- Maddox, Fred A., *et al.*, executors. (See Orcutt, Edward L.)
- Maddox, Lofton V., Coldwater, Tenn. Automatic time-stop. No. 1,107,332; Aug. 18; Gaz. vol. 205; p. 701.
- Maddox, Robert D., Cincinnati, Ohio. Pipette. No. 1,098,514; June 2; Gaz. vol. 203; p. 55.
- Maddox, William T., Alexandria, La. Card-game apparatus. No. 1,119,183; Dec. 1; Gaz. vol. 209; p. 99.
- Maddux, Jesse D., Atwell, assignor of one-half to J. A. Lauderdale, Harpersville, Tex. Planter. No. 1,089,657; Mar. 10; Gaz. vol. 200; p. 386.
- Maddux, John C. (See Carr and Maddux.)
- Madigan, John M. (See Millay and Madigan.)
- Madigan, Patrick J., Chicago, Ill. Liquid-distributing device. No. 1,090,320; Mar. 17; Gaz. vol. 200; p. 655.
- Madigan, Thomas J., New York, N. Y. Pool or other game frame. No. 1,089,140; Mar. 3; Gaz. vol. 200; p. 162.
- Madison, Emil, Mariners Harbor, N. Y. Coin-operated door-lock. No. 1,100,593; June 16; Gaz. vol. 203; p. 842.
- Madison, George, Muskegon, Mich. Boring-bar. No. 1,118,141; Nov. 24; Gaz. vol. 208; p. 1052.
- Mädler, Franz L. (See Schröter and Mädler.)
- Madonna, Charles J., New York, N. Y. Drip-receptacle for umbrellas. No. 1,110,215; Sept. 8; Gaz. vol. 206; p. 523.
- Madsen, Charles P., Chicago, Ill. Electrically-heated flat-iron. No. 1,122,521; Dec. 29; Gaz. vol. 209; p. 1416.
- Madsen, Charles P., Chicago, Ill., assignor to The Michigan Stove Company. Electric flat-iron. No. 1,093,791; Apr. 21; Gaz. vol. 201; p. 643.
- Madsen, Charles P., Chicago, Ill., assignor to The Michigan Stove Company. Armored electric heating unit. No. 1,093,792; Apr. 21; Gaz. vol. 201; p. 643.
- Madsen, Charles P., Chicago, Ill., assignor to The Michigan Stove Company. Electric flat-iron. No. 1,099,988; June 16; Gaz. vol. 203; p. 635.
- Madsen, Fred, and F. G. Wandrey, Wautoma, Wis. Adding-machine. No. 1,110,327; Sept. 15; Gaz. vol. 206; p. 602.
- Madsen, Sören, Perth Amboy, N. J. Slot-machine. No. 1,116,599; Nov. 10; Gaz. vol. 208; p. 432.
- Madsen, Waldemar, Chicago, Ill. Locking-hinge. No. 1,092,926; Apr. 14; Gaz. vol. 201; p. 311.
- Madson, Christopher, *et al.* (See Fleischauer and Richardson, assignors.)
- Madson, James. (See Madson, Nels, assignor.)
- Madson, Nels, near Belfield, N. D., assignor to J. Madson, Harrison, Idaho. Loading apparatus. No. 1,119,360; Dec. 1; Gaz. vol. 209; p. 159.
- Maechler, Walter, Chicago, Ill. Attachment for sewing-machines. No. 1,117,206; Nov. 17; Gaz. vol. 208; p. 685.
- Maede, Leland S., Oakland, Cal. Apparatus for sealing cans in vacuum. No. 1,119,361; Dec. 1; Gaz. vol. 209; p. 159.
- Maertin, Julius H., Chicago, Ill. Inverted gas-light. No. 1,091,002; Mar. 24; Gaz. vol. 200; p. 920.
- Maerz, Aloys, Ridgewood, assignor of one-half to A. G. Stumpf, Paterson, N. J. Folding stereoscope. No. 1,097,601; May 19; Gaz. vol. 202; p. 911.
- Maehlen, Adolph, assignor to Williamsport Mirror & Glass Company, Williamsport, Pa. Window-ventilator. No. 1,100,678; June 16; Gaz. vol. 203; p. 869.
- Maffei, Firm of J. A. (See Krauss, Hans G., assignor.)

Alphabetical list of patentees—Continued.

- Magdlen, Peter C., New York, N. Y. Shaving-cream. No. 1,090,733; Mar. 17; Gaz. vol. 200; p. 796.
- Magee, Elizabeth J., Chicago, Ill. Hat-pin-point protector. No. 1,084,553; Jan. 13; Gaz. vol. 198; p. 458.
- Magge, Harry, Detroit, Mich. Piston-ring. No. 1,098,121; May 26; Gaz. vol. 202; p. 1140.
- Magee, James, 2d. (See McCollum, Alfred F., assignor.)
- Magee, John E., New Hampton, Mo. Flexible bearing. No. 1,086,830; Feb. 10; Gaz. vol. 199; p. 483.
- Maggard, Charles E., Kansas City, Mo. Expansible mold. No. 1,086,379; Feb. 10; Gaz. vol. 199; p. 324.
- Maggiora, Demetrio, London, England. Solid tire for vehicles and the like. No. 1,084,866; Jan. 20; Gaz. vol. 198; p. 595.
- Magic Fire Starter Company. (See Crafton, Charles N., assignor.)
- Magidson, Frank, Pittsburgh, assignor of one-fourth to M. Schaffel, Braddock, Pa. Ticket-dispensing machine. No. 1,098,913; June 2; Gaz. vol. 203; p. 189.
- Magill, Thomas B., assignor to Keeton Gold Company, Kansas City, Mo. Filing teeth. No. 1,118,301; Nov. 24; Gaz. vol. 208; p. 1107.
- Magin, John G., assignor to Henry Conolly Company, Rochester, N. Y. Loose-leaf binder. No. 1,112,222; Sept. 29; Gaz. vol. 206; p. 1341.
- Magnasco, Giovanni, Genoa, Italy. Manufacture of flexible and waterproof material from paper sheets. No. 1,101,029; June 23; Gaz. vol. 203; p. 1049.
- Magnus, John J., assignor to Frederick Post Company, Chicago, Ill. Marking-pen. No. 1,118,031; Nov. 24; Gaz. vol. 208; p. 1014.
- Magor, Basil, New York, N. Y. Underframe for cars. No. 1,086,677; Feb. 10; Gaz. vol. 199; p. 428.
- Magor, Basil, assignor to Magor Car Company, New York, N. Y. Logging-car. No. 1,103,975; July 21; Gaz. vol. 204; p. 697.
- Magor Car Company. (See Magor, Basil, assignor.)
- Magraw, Lester A., Macon, Ga. Transposition-tower. No. 1,110,068; Sept. 8; Gaz. vol. 206; p. 469.
- Magruder, Julian, Falls City, Oreg. Cleaning utensil. No. 1,115,222; Oct. 27; Gaz. vol. 207; p. 1123.
- Maguire, John H. (See Wells and Maguire.)
- Maguire, Thomas A., New York, N. Y. Attachment for horseshoes. No. 1,117,583; Nov. 17; Gaz. vol. 208; p. 817.
- Magyar, Joseph, Puritan, Pa. Life-preserver. No. 1,093,002; Apr. 14; Gaz. vol. 201; p. 336.
- Mahaffey, D. Tuttle. (See Donachy, Darwin H., assignor.)
- Mahagan, Ross C. (See Claitor and Mahagan.)
- Mahaj, Stephen, Munhall, Pa. Slidable bolt. No. 1,113,667; Oct. 13; Gaz. vol. 207; p. 480.
- Mahan, James C., Lincoln, Nebr. Fence-clamp. No. 1,097,454; May 19; Gaz. vol. 202; p. 860.
- Mahan, James J., Jersey City, N. J., assignor to S. M. J. Jacobs, New York, N. Y. Toy. (Reissue.) No. 13,696; Mar. 10; Gaz. vol. 200; p. 548.
- Mahan, Robert A., Jonesboro, Ark. Electric incandescent lamp. No. 1,112,306; Sept. 29; Gaz. vol. 206; p. 1370.
- Mahaney, W. D. (See Sweet, Welcome F., assignor.)
- Maher, Arthur E., Greensburg, Pa. Strainer for mining-machines. No. 1,103,306; July 14; Gaz. vol. 204; p. 424.
- Maher, Eugene E., assignor to K Nut Co., Chicago, Ill. Lock-nut. No. 1,120,953; Dec. 15; Gaz. vol. 209; p. 798.
- Maher, Eugene E., assignor to K Nut Co., Chicago, Ill. Self-locking nut. No. 1,120,954; Dec. 15; Gaz. vol. 209; p. 799.
- Maher, John N. (See Lichter and Maher.)
- Mahin, Walter T., Harrisburg, Pa. Shoe-blackening stand. No. 1,085,278; Jan. 27; Gaz. vol. 198; p. 771.
- Mahin, Walter T., Harrisburg, Pa. Shoe-blackening stand. No. 1,110,216; Sept. 8; Gaz. vol. 206; p. 523.
- Mahler, Philip W. (See Tieman, George, assignor.)
- Mahlke, Conrad, Elbing, Germany. Piano-keyboard. No. 1,094,001; Apr. 21; Gaz. vol. 201; p. 714.
- Mahlstedt, John F., Los Angeles, Cal. Inking mechanism for printing-presses. No. 1,087,249; Feb. 17; Gaz. vol. 199; p. 678.
- Mahn, Godfrey S., Philadelphia, Pa. Railway-rail. No. 1,088,288; Feb. 24; Gaz. vol. 199; p. 1084.
- Mahn, Godfrey S., Philadelphia, Pa. Container. No. 1,104,366; July 21; Gaz. vol. 204; p. 831.
- Mahn, Gustav H., Clintonville, Wis. Cistern. No. 1,085,217; Jan. 27; Gaz. vol. 198; p. 750.
- Mahne, Frederick C. W., Milwaukee, Wis. Automobile heating apparatus. No. 1,116,088; Nov. 3; Gaz. vol. 208; p. 213.
- Mahoney, E. J. (See Rowe, Fredrick W., assignor.)
- Mahoney, Joseph N., Wilkesburg, assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. System of control for dynamo-electric machines. (Reissue.) No. 13,753; June 16; Gaz. vol. 203; p. 884.
- Mahony, William, Hamilton, Ontario, Canada. Self-grinding valve. No. 1,111,545; Sept. 22; Gaz. vol. 206; p. 1069.
- Mahony, William F. (See Robertson, Edward H., assignor.)
- Mahringer, Albert G., St. Louis, Mo. Dauber for blacking, polish, and the like. No. 1,098,813; June 2; Gaz. vol. 203; p. 154.
- Maibaum, Jerome, assignor to T. E. Murray, New York, N. Y. Locking switch. No. 1,120,210; Dec. 8; Gaz. vol. 209; p. 489.
- Maidhof, William J. F., New York, N. Y. Watermarking paper. No. 1,094,799; Apr. 28; Gaz. vol. 201; p. 1047.
- Maidhof, William J. F., New York, N. Y. Watermarking paper. No. 1,094,800; Apr. 28; Gaz. vol. 201; p. 1047.
- Maier, Geo. H. (See McGuire, Frederic F., assignor.)
- Maier, Gustav, Schramberg, Germany. Box-cover fastening. No. 1,103,976; July 21; Gaz. vol. 204; p. 697.
- Maier, Karl, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Multineedle sewing-machine. No. 1,098,814; June 2; Gaz. vol. 203; p. 155.
- Maier, Karl, assignor to Union Special-Maschinenfabrik G. m. b. H., Stuttgart, Germany. Change-making machine. No. 1,115,849; Nov. 3; Gaz. vol. 208; p. 130.
- Maier, Karl, assignor to Union Special-Maschinenfabrik G. m. b. H., Stuttgart, Germany. Change-making machine. No. 1,115,850; Nov. 3; Gaz. vol. 208; p. 131.
- Maier, Louis H., New York, N. Y. Pedaling mechanism for musical instruments. No. 1,108,199; Aug. 25; Gaz. vol. 205; p. 1054.
- Maier, Louis H., New York, N. Y. Automatic musical instrument. No. 1,108,595; Aug. 25; Gaz. vol. 205; p. 1193.
- Maier, Morton, New York, N. Y. Dental casting-machine. No. 1,110,954; Sept. 15; Gaz. vol. 206; p. 824.
- Maiers, Charles H., *et al.* (See Taylor, James C., assignor.)
- Maignen, Prosper J. A., Philadelphia, Pa. Antiseptic. No. 1,086,193; Feb. 3; Gaz. vol. 199; p. 217.
- Maignen, Prosper J. A., Philadelphia, Pa. Antiseptic. No. 1,086,339; Feb. 3; Gaz. vol. 199; p. 263.
- Mailer, August, Leipzig-Schleussig, Germany. Apparatus for exercising eye-muscles. No. 1,119,184; Dec. 1; Gaz. vol. 209; p. 99.
- Mailey, Roy D. (See Kraus and Mailey.)
- Mailey, Roy D., Lynn, assignor to A. A. Noyes, trustee, Boston, Mass. Seal for vapor electric apparatus. No. 1,118,905; Nov. 24; Gaz. vol. 208; p. 1316.
- Maillard, Albert L., and L. H. Crook, Washington, D. C. Signal. No. 1,109,684; Sept. 8; Gaz. vol. 206; p. 333.
- Maimin, Mayer R., assignor to H. Maimin Company, Incorporated, New York, N. Y. Cloth-cutting machine. No. 1,103,791; July 14; Gaz. vol. 204; p. 593.
- Main Belting Company. (See Guffee, John A., assignor.)
- Main, Fred F., Chicago, Ill., assignor to J. T. Underwood, Brooklyn, N. Y. Type-writing attachment for adding-machines. No. 1,110,448; Sept. 15; Gaz. vol. 206; p. 647.
- Main, George W., assignor of one-half to F. Trimble, Vancouver, British Columbia, Canada. Wire-gripping device. No. 1,117,874; Nov. 17; Gaz. vol. 208; p. 920.
- Maisch, August T., New York, N. Y., assignor to S. M. M. Manufacturing Corporation. Sandwich-machine. No. 1,108,454; Aug. 25; Gaz. vol. 205; p. 1142.
- Maisel, Conrad M., Buffalo, N. Y. Larding-needle. No. 1,086,926; Feb. 10; Gaz. vol. 199; p. 516.
- Maisel, Conrad M., Buffalo, N. Y. Meat-needle. No. 1,087,026; Feb. 10; Gaz. vol. 199; p. 547.
- Maison, Cyril C., Cleveland, Ohio, assignor to Allino Switch Box Manufacturing Company. Switch-box. No. 1,096,548; May 12; Gaz. vol. 202; p. 504.
- Maitland, James D., assignor, by mesne assignments, to The Jackson Fireproof Partition Company, Denver, Colo. Building-partition. No. 1,096,635; May 12; Gaz. vol. 202; p. 533.
- Maitre, Alcide H., and V. H. Martin, Rouen, France. Contact-interrupter. No. 1,106,230; Aug. 4; Gaz. vol. 205; p. 223.
- Maitre, Emile, Oakland, Cal. Auxiliary-air-inlet and mixing device for internal-combustion engines. No. 1,113,668; Oct. 13; Gaz. vol. 207; p. 480.
- Maize, Frank P., Portland, Oreg. Prepay-car. No. 1,083,845; Jan. 6; Gaz. vol. 198; p. 191.
- Majestic Dress Form Company. (See Lewis, Ua, assignor.)
- Majestic Electric Development Co. (See Shoenberg, Milton H., assignor.)
- Majestic Manufacturing Company. (See McSorley, William B., assignor.)
- Majestic Mfg. Co. (See Vest, Eugene W., assignor.)
- Major, Frank, Mishawaka, Ind. Bed-mattress. No. 1,106,659; Aug. 11; Gaz. vol. 205; p. 420.
- Majors, James M., Ottumwa, Iowa. Pneumatic-rubber-tube and metal-stem protector. No. 1,092,927; Apr. 14; Gaz. vol. 201; p. 311.
- Majors, Walter L., assignor of one-half to A. M. Turnbo, St. Louis, Mo. Heater for water-cooling apparatus of motor-vehicles and the like. No. 1,121,266; Dec. 15; Gaz. vol. 209; p. 908.
- Makepeace, Arthur B., Rochester, Minn. Post. No. 1,096,115; May 12; Gaz. vol. 202; p. 357.
- Makgill, George. (See De Hamel and Makgill.)
- Makin, Edward, Manchester, England. Steam-generator. No. 1,104,811; July 28; Gaz. vol. 204; p. 1035.

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- Makowski, Joseph, Fort Wayne, Ind. Toilet article. No. 1,118,432; Nov. 24; Gaz. vol. 208; p. 1155.
- Maksin, Joseph. (See Bajar, Martin, assignor.)
- Makutchan, William H., Chicago, Ill. Roller-bearing. No. 1,087,027; Feb. 10; Gaz. vol. 199; p. 548.
- Malaby, Ira B., assignor to N. Mellor, Philadelphia, Pa. Wall-anchor. No. 1,084,458; Jan. 13; Gaz. vol. 198; p. 426.
- Malaby, Ira B., assignor to N. Mellor, Philadelphia, Pa. Collapsing tool. No. 1,102,937; July 7; Gaz. vol. 204; p. 248.
- Malaby, Ira B., assignor to N. Mellor, Philadelphia, Pa. Wall-anchor. No. 1,111,660; Sept. 22; Gaz. vol. 206; p. 1110.
- Malarkey, Isabel E., Portland, Oreg. Reversible sanitary mattress for invalids. No. 1,107,683; Aug. 18; Gaz. vol. 205; p. 828.
- Malcher, Otto, assignor to Carlin Calculator Co., Chicago, Ill. Calculating-machine. No. 1,120,317; Dec. 8; Gaz. vol. 209; p. 525.
- Malcher, Otto, assignor to Carlin Calculator Co., Chicago, Ill. Calculating-machine. No. 1,120,318; Dec. 8; Gaz. vol. 209; p. 526.
- Malcolm, Edward B., Campbellton, New Brunswick, Canada. Safety device for railway frogs and guard-rails. No. 1,104,305; July 21; Gaz. vol. 204; p. 809.
- Malcolm, John T., Seattle, Wash. Composition to be used as a beverage and as a substitute for coffee. No. 1,119,849; Dec. 8; Gaz. vol. 209; p. 361.
- Malek, Morris, New York, N. Y. Antiskid device for motor-vehicle wheels. No. 1,095,219; May 5; Gaz. vol. 202; p. 17.
- Maley, Alfred W., West Bromwich, England. Manufacture of electrical resistances. No. 1,088,157; Feb. 24; Gaz. vol. 199; p. 1040.
- Maley, Alfred W., Handsworth, Birmingham, England. Manufacture of electrical resistances. No. 1,118,906; Nov. 24; Gaz. vol. 208; p. 1316.
- Maley, Henry A., Boston, Mass. Sheet-registering mechanism. No. 1,085,279; Jan. 27; Gaz. vol. 198; p. 772.
- Maley, Henry A., Boston, Mass. Handling sheets. No. 1,085,280; Jan. 27; Gaz. vol. 198; p. 772.
- Malherbe Basile, Felix, Jumet, Belgium. Preparation for refacing and hardening flattening-stones and clay products. No. 1,110,808; Sept. 15; Gaz. vol. 206; p. 772.
- Malick, Henry, Belmont, Va. Can-sealing device. No. 1,097,657; May 26; Gaz. vol. 202; p. 975.
- Malicki, Joseph, assignor to Templeton Kenly & Co., Ltd., Chicago, Ill. Key-lock for bearing elements. No. 1,109,851; Sept. 8; Gaz. vol. 206; p. 391.
- Malings, Charles J., Easthampton, Mass. Resilient vehicle-wheel. No. 1,084,648; Jan. 20; Gaz. vol. 198; p. 518.
- Malinowsky, Andrew, assignor to H. H. Randolph, Chicago, Ill. Manufacture of building material. No. 1,107,431; Aug. 18; Gaz. vol. 205; p. 739.
- Malinowsky, Andrew, assignor to H. H. Randolph, Chicago, Ill. Ceramic material. No. 1,110,449; Sept. 15; Gaz. vol. 206; p. 647.
- Malleville, Jean P. M., Paris, France. Universal clamping-ring. No. 1,111,479; Sept. 22; Gaz. vol. 206; p. 1047.
- Malley, Joseph M. (See Quinn and Malley.)
- Malley, Patrick F., A. P. Brewer, and R. B. Hosner, San Francisco, Cal. Bed-spring. No. 1,122,015; Dec. 22; Gaz. vol. 209; p. 1206.
- Mallins, Charles W., Liverpool, England. Tram-car. No. 1,104,812; July 28; Gaz. vol. 204; p. 1035.
- Mallins, Charles W., Liverpool, England. Tram-car. No. 1,104,813; July 28; Gaz. vol. 204; p. 1035.
- Mallonee, James W., Benedict, Nebr. Construction of fire and damp proof buildings. No. 1,095,009; Apr. 28; Gaz. vol. 201; p. 1121.
- Mallory, Bonnie L., Cleveland, Ohio. Drill-grinding attachment for abrading-wheels. No. 1,095,338; May 5; Gaz. vol. 202; p. 57.
- Mallory, Bonnie L., Cleveland, Ohio. Joint for longitudinal members. No. 1,111,480; Sept. 22; Gaz. vol. 206; p. 1047.
- Mallory, Edward B., Chicago, Ill., assignor to Economy Fuse & Manufacturing Company, New York, N. Y. Cartridge-fuse. No. 1,092,153; Apr. 7; Gaz. vol. 201; p. 10.
- Mallory, Edward B., Wilkinsburg, assignor to Economy Fuse & Manufacturing Co., Pittsburgh, Pa. Refillable cartridge-fuse. No. 1,092,498; Apr. 7; Gaz. vol. 201; p. 131.
- Mallory, Harry C., New York, N. Y. Steam-heating apparatus. No. 1,098,815; June 2; Gaz. vol. 203; p. 155.
- Mallory, Harry C., Belpport, N. Y. Diaphragm. No. 1,099,855; June 9; Gaz. vol. 203; p. 551.
- Mallory, Livingston, New York, N. Y. Wire-clamp. No. 1,107,684; Aug. 18; Gaz. vol. 205; p. 828.
- Mallott, George E., C. Johnson, and J. W. Moorby, Preston, England. Loom-reed-locking motion. No. 1,114,999; Oct. 27; Gaz. vol. 207; p. 1043.
- Mallory, Mary A., Portland, Oreg., assignor, by mesne assignments, to G. Hudson. Door for fuel-openings of furnaces. No. 1,087,885; Feb. 17; Gaz. vol. 199; p. 897.
- Mally, Frederick W., Crystal City, Tex., and E. P. Hudson, Des Moines, Iowa; said Mally assignor to said Hudson. Suspenders. No. 1,084,095; Jan. 13; Gaz. vol. 198; p. 307.
- Malm, Axel, assignor to The Egly Register Company, Dayton, Ohio. Manifolding device. No. 1,110,328; Sept. 15; Gaz. vol. 206; p. 603.
- Malm, Axel C. V. (See Stern and Malm.)
- Malm, Theo H., Loomis, Nebr. Hoisting mechanism. No. 1,101,649; June 30; Gaz. vol. 203; p. 1313.
- Malmberg, August. (See Roberg and Malmberg.)
- Malmgren, Arthur O., and H. Kleffman, Chicago, Ill. Venetian blind. No. 1,097,812; May 26; Gaz. vol. 202; p. 1031.
- Malmgren, Arthur O., and H. Kleffman, Chicago, Ill. Blind-stop. No. 1,116,716; Nov. 10; Gaz. vol. 208; p. 474.
- Malmquist, Adolph, South Bellingham, Wash., assignor to Perfect Vacuum Can Company, Chicago, Ill. Can-sealing apparatus. No. 1,099,756; June 9; Gaz. vol. 203; p. 518.
- Malmquist, Adolph, South Bellingham, Wash., assignor to Perfect Vacuum Can Company, Chicago, Ill. Machine for capping cans. No. 1,099,757; June 9; Gaz. vol. 203; p. 519.
- Malmquist, Adolph K., South Bellingham, Wash., assignor to Perfect Vacuum Can Company, Chicago, Ill. Can-sealing apparatus. No. 1,107,974; Aug. 18; Gaz. vol. 205; p. 927.
- Malmstrom, Peter E., assignor to A. M. Sloss, New York, N. Y. Combined carbonator and siphon-filler. No. 1,100,980; June 23; Gaz. vol. 203; p. 1032.
- Malmstrom, Peter E., assignor to A. M. Sloss, New York, N. Y. Siphon-bottle-charging device. No. 1,114,781; Oct. 27; Gaz. vol. 207; p. 965.
- Malmstrom, Peter E., New York, N. Y., assignor to United Centadrink Manufacturing Company, Carbonator. No. 1,114,780; Oct. 27; Gaz. vol. 207; p. 965.
- Malone, Edward V. (See Malone, William W. and E. V.)
- Malone, John A. and L. R., assignors of one-third to J. F. Weaver, Los Angeles, Cal. Lock means for steering-gear. No. 1,117,510; Nov. 17; Gaz. vol. 208; p. 792.
- Malone, Lee R. (See Malone, John A. and L. R.)
- Malone, William W. and E. V., Piqua, Ohio. Music-leaf turner. No. 1,095,010; Apr. 28; Gaz. vol. 201; p. 1121.
- Maloney, Fredrick G., Wabasha, Minn. Type-writer attachment. No. 1,114,782; Oct. 27; Gaz. vol. 207; p. 965.
- Maloney, Michael H., Chelsea, Mass. Spinning-ring. No. 1,088,158; Feb. 24; Gaz. vol. 199; p. 1040.
- Maloney, Michael H., assignor of one-half to J. J. Buckley, Plymouth, Mass. Filter. No. 1,098,352; May 26; Gaz. vol. 202; p. 1219.
- Maloney, Michael H., assignor of one-half to J. J. Buckley, Plymouth, Mass. Filter. No. 1,113,365; Oct. 13; Gaz. vol. 207; p. 375.
- Maloney, Patrick M., and J. Range, assignors of one-third to H. R. Will, Minneapolis, Minn. Gang-plow. No. 1,116,089; Nov. 3; Gaz. vol. 208; p. 214.
- Maloney, Peter J., Worcester, Mass. Jack. No. 1,087,598; Feb. 17; Gaz. vol. 199; p. 799.
- Malony, Lester W. (See Malony, Richard H. and L. W.)
- Malony, Richard H. and L. W., Red Oak, Iowa. Chicken-coop. No. 1,122,964; Dec. 29; Gaz. vol. 209; p. 1572.
- Maloy, James A., Columbus, Ohio. Rail-joint. No. 1,103,677; July 14; Gaz. vol. 204; p. 556.
- Malquist, John, assignor of one-half to D. C. Coy, River-ton, Utah. Tank-valve. No. 1,108,455; Aug. 25; Gaz. vol. 205; p. 1142.
- Malsch, Julius, Elberfeld, Germany. Stamping device. No. 1,085,143; Jan. 27; Gaz. vol. 198; p. 724.
- Malsin, Albert, New York, N. Y. Lady's skirt. No. 1,103,148; July 14; Gaz. vol. 204; p. 370.
- Malsin, Albert, New York, N. Y. Garment. No. 1,119,296; Dec. 1; Gaz. vol. 209; p. 136.
- Malsin, Albert, New York, N. Y. Lady's dress. No. 1,119,297; Dec. 1; Gaz. vol. 209; p. 136.
- Malsin, Albert, New York, N. Y. Lady's garment. No. 1,119,298; Dec. 1; Gaz. vol. 209; p. 137.
- Maltby, Edward L., Brooklyn, assignor to New York Safety Chest Company, New York, N. Y. Portable protecting apparatus. No. 1,122,016; Dec. 22; Gaz. vol. 209; p. 1206.
- Maltby, Laurence C., Dayton, Ohio. Piston-valve for explosive-engines. No. 1,110,635; Sept. 15; Gaz. vol. 206; p. 712.
- Maltby, Le Roy, Cedar Rapids, Iowa. Rubber oversole. No. 1,119,185; Dec. 1; Gaz. vol. 209; p. 100.
- Malterner, Silas N., Canton, N. Y. Pipe-cap. No. 1,094,229; Apr. 21; Gaz. vol. 201; p. 790.
- Mambourg, Leopold, assignor of one-third to W. O. Taylor and one-third to S. Casparis, Columbus, Ohio. Glass-melting-tank accessory. No. 1,103,066; July 14; Gaz. vol. 204; p. 341.
- Manby, Charles E. C. J., Cheltenham, Victoria, Australia. Finger-board for violins or like string instruments. No. 1,095,900; May 5; Gaz. vol. 202; p. 246.
- Manchester, Fred A., assignor to Draper Company, Hopedale, Mass. Shuttle for weft-replenishing looms. No. 1,098,744; June 2; Gaz. vol. 203; p. 132.

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- Manchester, Henry C., and S. S. Riegel, Scranton, Pa. Drifting-valve for locomotive-engines. No. 1,104,306; July 21; Gaz. vol. 204; p. 809.
- Manchester, Lawrence D., Sioux Falls, S. D. Automatic transfer mechanism for conveyers. No. 1,112,816; Oct. 6; Gaz. vol. 207; p. 142.
- Mandalian, Saghatiel G., *et al.* (See Gros, George, assignor.)
- Mandel, Arthur J., and M. Cohen, Cleveland, Ohio. Scarf. No. 1,096,549; May 12; Gaz. vol. 202; p. 504.
- Mandel, Louis. (See Mandel, Mandel and L.)
- Mandel, Louis, Chicago, Ill. Magazine-camera. No. 1,093,341; Apr. 14; Gaz. vol. 201; p. 453.
- Mandel, Louis, Chicago, Ill. Camera. No. 1,113,568; Oct. 13; Gaz. vol. 207; p. 447.
- Mandel, Mandel and L., Chicago, Ill. Photographic camera. No. 1,088,787; Mar. 3; Gaz. vol. 200; p. 39.
- Mandelstam, Leo, New York, N. Y. Apparatus for treating oils and the like. No. 1,114,623; Oct. 20; Gaz. vol. 207; p. 855.
- Mandelstam, Leonid. (See Macku, Mandelstam, and Papalex.)
- Manderfield, Robert J., Houghton, Mich. Implement-adjusting device for cultivators and the like. No. 1,091,681; Mar. 31; Gaz. vol. 200; p. 1193.
- Manders, Horace, London, England. Apparatus for the production of continuous electrical oscillations. No. 1,105,984; Aug. 4; Gaz. vol. 205; p. 139.
- Mandeville, Paul, Lake Bluff, and J. Wilkins, Chicago, Ill., assignors to said Mandeville. Shipping-package. No. 1,122,522; Dec. 29; Gaz. vol. 209; p. 1417.
- Mandler, Frank, and E. Kovarik, Delmont, Pa. Wrench. No. 1,098,161; May 26; Gaz. vol. 202; p. 1153.
- Mandt, Gunder G. (See Lindgren and Mandt.)
- Manent, Jean M. N., Toulouse, France. Fastener for pocket-lighters. No. 1,089,936; Mar. 10; Gaz. vol. 200; p. 483.
- Manes, Edward, Golden, Ill. Pneumatic-hammer muffler. No. 1,115,704; Nov. 3; Gaz. vol. 208; p. 82.
- Maness, William C., Laredo, Tex. Lubricator. No. 1,120,729; Dec. 15; Gaz. vol. 209; p. 720.
- Maney, Thomas, Louisville, Ky. Rail-clamp. No. 1,100,594; June 16; Gaz. vol. 203; p. 842.
- Mange, Frédéric, and M. J. T. Bals, Paris, France. Manufacture of matches. No. 1,102,158; June 30; Gaz. vol. 203; p. 1491.
- Mangel, John J., and H. J. Willems, assignors to The Simmons Manufacturing Company, Kenosha, Wis. Bed fabric. No. 1,100,384; June 16; Gaz. vol. 203; p. 773.
- Mangel, Wallie C., Madison, Minn. Scaffold apparatus. No. 1,086,601; Feb. 10; Gaz. vol. 199; p. 403.
- Mangin, William, Raymond, Iowa. Window-fastener. No. 1,101,944; June 30; Gaz. vol. 203; p. 1417.
- Mangin, William, Raymond, Iowa. Primer for internal-combustion engines. No. 1,116,457; Nov. 10; Gaz. vol. 208; p. 378.
- Manglier, Frederick. (See Wheeler and Manglier.)
- Mangold, Frank E. (See Earl and Mangold.)
- Manhattan Electrical Supply Company. (See Peterson, Johann G., assignor.)
- Manhayfer, Emil L., St. Louis, Mo. Toughened-pitch composition. No. 1,112,817; Oct. 6; Gaz. vol. 207; p. 142.
- Manhart, John, Hampton, N. J. Portable washstand. No. 1,120,153; Dec. 8; Gaz. vol. 209; p. 468.
- Manierre, Arthur. (See Tevander and Manierre.)
- Manierre, George, executor. (See Tevander and Manierre.)
- Manion, Elizabeth, *et al.* (See Harling, Walter, assignor.)
- Manitowoc Ship Building & Dry Dock Company. (See West, Charles C., assignor.)
- Mankowski, Jan, Garrett, Ind. Parachute apparatus. No. 1,115,705; Nov. 3; Gaz. vol. 208; p. 83.
- Manley, Frank. (See Shea and Manley.)
- Manly, Charles M., New York, N. Y. Motor-vehicle. No. 1,101,864; June 30; Gaz. vol. 203; p. 1387.
- Manly, Charles M., Freeport, N. Y. Dumping-wagon. No. 1,110,450; Sept. 15; Gaz. vol. 206; p. 647.
- Manly, Charles M., Freeport, N. Y. Cylinder construction for pumps or motors. No. 1,112,633; Oct. 6; Gaz. vol. 207; p. 80.
- Manly, Charles M., Brooklyn, N. Y. Control apparatus for power-driven mechanisms. No. 1,112,632; Oct. 6; Gaz. vol. 207; p. 79.
- Manly, Charles M., Freeport, and W. B. Morton, New York, N. Y. Power-driven railway-car. No. 1,109,239; Sept. 1; Gaz. vol. 206; p. 136.
- Mann, Alexander, Hamilton, Ontario, Canada. Device for preventing the accumulation of needle-ice. No. 1,086,831; Feb. 10; Gaz. vol. 199; p. 483.
- Mann, Alice L., New York, N. Y. Collapsible garment-hanger support. No. 1,107,624; Aug. 18; Gaz. vol. 205; p. 806.
- Mann, Carrie M. G., administratrix. (See Mann, William B.)
- Mann, Eduard, and J. Heess, Ebertsheim, Germany. Apparatus for purifying waste water. No. 1,095,409; May 5; Gaz. vol. 202; p. 80.
- Mann, George F., Chicago, Ill. Draft mechanism for vehicles. No. 1,089,847; Mar. 10; Gaz. vol. 200; p. 450.
- Mann, George H., Leeds, England. Valve and valve-gear for internal-combustion engines. (Reissue.) No. 1,3697; Mar. 10; Gaz. vol. 200; p. 549.
- Mann, Ira A., Pittsburgh, Pa. Plumbing-fixture. No. 1,089,776; Mar. 10; Gaz. vol. 200; p. 425.
- Mann, John, Kilburn, London, England. Electric water-heater. No. 1,120,830; Dec. 15; Gaz. vol. 209; p. 755.
- Mann, Leo, San Francisco, Cal. Suitcase-latch. No. 1,122,211; Dec. 22; Gaz. vol. 209; p. 1271.
- Mann, Leo R. (See Billman and Mann.)
- Mann, Orville C., Oak Park, Ill. Railway-grader. No. 1,101,030; June 23; Gaz. vol. 203; p. 1049.
- Mann, William B., deceased, Baltimore, Md.; C. M. G. Mann, administratrix. Triple valve for air-brakes. No. 1,084,554; Jan. 13; Gaz. vol. 198; p. 453.
- Mann, William L., St. Joseph, Mo. Spring-wheel. No. 1,114,161; Oct. 20; Gaz. vol. 207; p. 693.
- Mannering, Charles R., New Westminster, British Columbia, Canada. Electric paper-cutter. No. 1,122,523; Dec. 29; Gaz. vol. 209; p. 1417.
- Manners-Smith, John A. (See Beuttell and Manners-Smith.)
- Mannes, Samuel. (See Pugatsky and Mannes.)
- Mannesmannröhren-Werke. (See Schomburg, Ludwig, assignor.)
- Mannheim, John A., Hamburg, Germany. Cooling device for Röntgen tubes. No. 1,095,121; Apr. 28; Gaz. vol. 201; p. 1157.
- Mannich, Carl, Friedenau, and F. Zernik, Steglitz, near Berlin, Germany. Light-filter. No. 1,099,710; June 9; Gaz. vol. 203; p. 504.
- Manning, Bowman & Company. (See Chapman, James W., assignor.)
- Manning, Bowman & Company. (See Wilkinson, Louis H., assignor.)
- Manning, Coleman J., Medford, assignor to American Steam Gauge & Valve Manufacturing Co., Boston, Mass. Double-spring gage. No. 1,100,756; June 23; Gaz. vol. 203; p. 952.
- Manning, Elmer J., Janesville, Wis. Two-cycle engine. No. 1,122,965; Dec. 29; Gaz. vol. 209; p. 1573.
- Manning, Frank X., assignor of one-half to W. H. Hemker, Catawissa, Mo. Floor-jack. No. 1,105,446; July 28; Gaz. vol. 204; p. 1258.
- Manning, Frederick E., Los Angeles, Cal. Fuel-heater. No. 1,117,414; Nov. 17; Gaz. vol. 208; p. 758.
- Manning, Harry F., Peoria, Ill. Steering-gear for traction-engines. No. 1,105,086; July 28; Gaz. vol. 204; p. 1131.
- Manning, John H., New York, N. Y., assignor to Crane Company, Chicago, Ill. Steam-trap. No. 1,114,162; Oct. 20; Gaz. vol. 207; p. 694.
- Manny, Eugene S., Montreal, Quebec, Canada. Hot-water heater. No. 1,112,462; Oct. 6; Gaz. vol. 207; p. 17.
- Manny, Ira F., assignor to Selective Signal Company, Milwaukee, Wis. Rewinding mechanism. No. 1,092,154; Apr. 7; Gaz. vol. 201; p. 10.
- Manross, Robert H., Forestville, Conn. Electric distributing device. No. 1,087,453; Feb. 17; Gaz. vol. 199; p. 749.
- Mansfield, Aubry J., Seattle, Wash. Vehicle-wheel. No. 1,085,923; Feb. 3; Gaz. vol. 199; p. 122.
- Mansfield, Charles L., Ravenna, Mich. Threshing-machine screen. No. 1,092,222; Apr. 7; Gaz. vol. 201; p. 34.
- Mansfield, Elmer G., assignor to Buffalo Specialty Company, Buffalo, N. Y. Floor-polisher. No. 1,114,163; Oct. 20; Gaz. vol. 207; p. 694.
- Mansfield, George H., and C. W. Wild, Canton, Ohio. Electric heater. No. 1,107,333; Aug. 18; Gaz. vol. 205; p. 702.
- Manshel, Charles. (See Swartz, Fred M., assignor.)
- Manson-Olin, Harold, New York, N. Y. Aeroplane. No. 1,103,820; July 14; Gaz. vol. 204; p. 603.
- Manson-Olin, Harold, New York, N. Y. Miniature parachute. No. 1,108,596; Aug. 25; Gaz. vol. 205; p. 1193.
- Manson, Ray H., assignor to The Dean Electric Company, Elyria, Ohio. Portable telephone set. No. 1,086,832; Feb. 10; Gaz. vol. 199; p. 483.
- Manson, Ray H., assignor to The Garford Manufacturing Company, Elyria, Ohio. Automobile-horn. No. 1,110,989; Sept. 15; Gaz. vol. 206; p. 834.
- Mansperger, Lewis S., Troy, Kans. Fluid-pressure regulator. No. 1,115,323; Oct. 27; Gaz. vol. 207; p. 1156.
- Manterola, Eugenio C., Rancagua, Chile. Amusement device. No. 1,112,307; Sept. 29; Gaz. vol. 206; p. 1370.
- Manthorpe, Marston, Copenhagen, and A. I. Hansen, Hellerup, assignors to F. Andersen, Copenhagen, Denmark. Apparatus for automatically indicating the position of signals on locomotives. No. 1,104,205; July 21; Gaz. vol. 204; p. 775.
- Mantius, Otto. (See Zaremba and Mantius.)
- Manton, Fred L., administrator. (See Zimmerman, John W.)
- Mantz, Nelson A., Akron, Ohio. Drawing implement. No. 1,107,432; Aug. 18; Gaz. vol. 205; p. 739.
- Manuel, Alfred, Roseville, Ill. Collapsible crate. No. 1,115,706; Nov. 3; Gaz. vol. 208; p. 83.
- Manville, Charles B., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Electric elevator. No. 1,089,937; Mar. 10; Gaz. vol. 200; p. 483.

Alphabetical list of patentees—Continued.

- Manville Company. (See Roche, Frederick F., assignor.)
 Manwaring, George A. (See Emerson, Manwaring, and Reynard.)
 Many Colored Electric Company, The, *et al.* (See Jarvis, Ruben P., assignor.)
 Manz, John G., Milwaukee, Wis. Bedstead. No. 1,100,757; June 23; Gaz. vol. 203; p. 952.
 Manzano, Luis, Huelva, Spain. Buffer for car-couplings. No. 1,095,011; Apr. 28; Gaz. vol. 201; p. 1121.
 Mapelsden, Harold H., Schenectady, N. Y., assignor to General Electric Company. Fluid-flow meter. No. 1,104,433; July 21; Gaz. vol. 204; p. 853.
 Mappis, Charles O., Linville, assignor of one-half to W. Paxton, Woodstock, Va. Headlight. No. 1,087,028; Feb. 10; Gaz. vol. 199; p. 548.
 Maples, Charles R., assignor of one-half to H. L. Reis, Cleveland, Ohio. Earth-elevator. No. 1,113,669; Oct. 13; Gaz. vol. 207; p. 480.
 Mappett, Alfred S. (See Wolfe, Fowler, Schroeder, and Mappett.)
 Marable, William I., Monroe, Ga. Alarm. No. 1,116,600; Nov. 10; Gaz. vol. 208; p. 432.
 Marak, Stanley O., Swisher, Iowa. Ice-cutting machine. No. 1,106,955; Aug. 11; Gaz. vol. 205; p. 524.
 Maranville, Harvey F., Akron, assignor to The Perfection Spring Company, Cleveland, Ohio. Lubricating system. No. 1,083,332; Jan. 6; Gaz. vol. 198; p. 24.
 Maranville, Harvey F., Akron, assignor to The Perfection Spring Company, Cleveland, Ohio. Lubricating system. No. 1,096,550; May 12; Gaz. vol. 202; p. 504.
 Maranville, Harvey F., Akron, assignor to The Perfection Spring Company, Cleveland, Ohio. Lubricating system. No. 1,109,002; Sept. 1; Gaz. vol. 206; p. 52.
 Marawske, Ernst, Berlin, Germany. Cutting-tool. No. 1,085,452; Jan. 27; Gaz. vol. 198; p. 830.
 Marbach, Frank G., assignor to The A. I. Root Company, Medina, Ohio. Gearing. No. 1,089,065; Mar. 3; Gaz. vol. 200; p. 133.
 Marberry, William L., St. Louis, Mo. Coal-shifter. No. 1,117,875; Nov. 17; Gaz. vol. 208; p. 920.
 Marble Mosaic Company. (See Black, Thompson W., assignor.)
 Marble Range Manufacturing Co. (See Lefebvre, Edward A., assignor.)
 Marburger, Henry G., Litchfield, Ill. Penholder. No. 1,092,066; Mar. 31; Gaz. vol. 200; p. 1325.
 Marbury, Francis S. (See Lusk and Marbury.)
 Marcante, Peter F., Allentown, Pa. Resilient wheel. No. 1,093,448; Apr. 14; Gaz. vol. 201; p. 488.
 Marcet, Baptistin, assignor to R. Oliver, Marseille, France. Preserving fruit. No. 1,087,798; Feb. 17; Gaz. vol. 199; p. 868.
 March, Jacob M., deceased, Spring City borough, Pa.; M. March, administratrix, New York, N. Y. Lock-nut. No. 1,092,155; Apr. 7; Gaz. vol. 201; p. 11.
 March, Maud, administratrix. (See March, Jacob M.)
 Marchant, Rodney H., Oakland, Cal. Calculating-machine. No. 1,115,950; Nov. 3; Gaz. vol. 208; p. 164.
 Marcil, Joseph E., Montreal, and L. Marcil, parish of St. Michel-Archange, Quebec, Canada. Brush. No. 1,089,848; Mar. 10; Gaz. vol. 200; p. 450.
 Marcil, Louis. (See Marcil, Joseph E. and L.)
 Marconi, Guglielmo, London, England, assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Means for generating alternating electric currents. No. 1,102,990; July 7; Gaz. vol. 204; p. 265.
 Marconi, Guglielmo, London, England, assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Duplex wireless telegraphy. No. 1,116,309; Nov. 3; Gaz. vol. 208; p. 286.
 Marconi's Wireless Telegraph Company Limited. (See Davison, Sidney M., assignor.)
 Marconi Wireless Telegraph Company of America. (See Marconi, Guglielmo, assignor.)
 Marcotte, Arthur D., Eunice, La. Oil-burner. No. 1,105,357; July 28; Gaz. vol. 204; p. 1228.
 Marcouse, Max. (See Kanter, Jeremia, assignor.)
 Marcroft, William. (See Harvey and Marcroft.)
 Marcroft, William, Cranston, R. I., assignor to Universal Winding Company, Portland, Me. Bunch-building attachment for winding-machines. No. 1,084,459; Jan. 13; Gaz. vol. 198; p. 426.
 Marcum, Carey T., Englewood, Kans. Collapsible crate. No. 1,122,524; Dec. 29; Gaz. vol. 209; p. 1417.
 Marcus, Max, Pankow, near Berlin, Germany. Disk talking-machine. No. 1,115,707; Nov. 3; Gaz. vol. 208; p. 83.
 Marcus, Solomon, Worcester, Mass. Garment-display chair. No. 1,093,562; Apr. 14; Gaz. vol. 201; p. 521.
 Marcuse, Moses M., assignor to West Disinfecting Company, New York, N. Y. Reversible pouring-spout for cans. No. 1,114,011; Oct. 20; Gaz. vol. 207; p. 640.
 Marcuse, Moses M., assignor to West Disinfecting Company, New York, N. Y. Liquid-dispensing device. No. 1,116,717; Nov. 10; Gaz. vol. 208; p. 474.
 Marcy, Herbert E., Mount Vernon, N. Y. Massage apparatus. No. 1,094,450; Apr. 28; Gaz. vol. 201; p. 923.
 Marcy, Ira. (See Schaeffer, Winters L., assignor.)
 Marci, John, La Belle, Pa. Boltless rail-joint. No. 1,107,433; Aug. 18; Gaz. vol. 205; p. 739.
 Marden, Aldis H., Somerville, Mass. Ventilator for cars. No. 1,084,021; Jan. 13; Gaz. vol. 198; p. 282.
 Marden, Clarence S. (See Gibson and Marden.)
 Marek, Ernest, assignor of one-half to C. Hainz, Chicago, Ill. Coupling. No. 1,118,032; Nov. 24; Gaz. vol. 208; p. 1014.
 Marek, Joseph J., Victoria, Tex. Baling-press. No. 1,094,734; Apr. 28; Gaz. vol. 201; p. 1026.
 Maremont, Myer D., Chicago, Ill. Wind-shield. No. 1,085,281; Jan. 27; Gaz. vol. 198; p. 773.
 Maren-Covick, Edward, Buffalo, N. Y. Combined letter-sheet and envelop. No. 1,100,540; June 16; Gaz. vol. 203; p. 825.
 Mares, Matt, Racine, Wis. Plow. No. 1,118,566; Nov. 24; Gaz. vol. 208; p. 1203.
 Margach, Andrew L., Utica, N. Y., assignor to Mergenthaler Linotype Company. Type or matrix. No. 1,105,676; Aug. 4; Gaz. vol. 205; p. 31.
 Margbanian, Markar, New Britain, Conn. Padlock. No. 1,086,833; Feb. 10; Gaz. vol. 199; p. 484.
 Margolis, Jacob, New York, N. Y. Trousers. No. 1,092,374; Apr. 7; Gaz. vol. 201; p. 86.
 Marhenke, August H., New York, N. Y. Draft-regulator. No. 1,103,149; July 14; Gaz. vol. 204; p. 371.
 Marie, Nicholas, Peoria, Ill. Sack-holding device. No. 1,090,160; Mar. 17; Gaz. vol. 200; p. 599.
 Marien, Charles A., St. Louis, Mo. Sectional resilient tire. No. 1,089,489; Mar. 10; Gaz. vol. 200; p. 327.
 Marine Hardware-Equipment Company. (See Soule, George C., assignor.)
 Marine Producer Gas Power Company. (See Kempton, Herbert E., assignor.)
 Mariner, Frank E., assignor to The Pensacola Tar & Turpentine Company, Gull Point, Fla. Lubricant-grease. No. 1,109,298; Sept. 1; Gaz. vol. 206; p. 156.
 Mariner, Frank E., assignor to The Pensacola Tar & Turpentine Company, Gull Point, Fla. Treating rosin. No. 1,114,278; Oct. 20; Gaz. vol. 207; p. 736.
 Mariner, Frank E., assignor to The Pensacola Tar & Turpentine Company, Gull Point, Fla. Treating rosin. No. 1,117,584; Nov. 17; Gaz. vol. 208; p. 817.
 Marinescu, Alexandru, Bucharest, Roumania. Chain apparatus for generating power by utilizing the force of the current in streams and the like. No. 1,088,033; Feb. 24; Gaz. vol. 199; p. 997.
 Marino, Pascal, Regent's Park, London, England. Superficially metallizing the surface of cast-iron, wood, gypsum, paper, and other porous substances or articles. No. 1,096,177; May 12; Gaz. vol. 202; p. 377.
 Marino, Pasquale S. A., Harrison, N. J. Means for printing music. No. 1,091,682; Mar. 31; Gaz. vol. 200; p. 1194.
 Marion, Edward W., Philadelphia, Pa. Micrometer-caliper. No. 1,098,515; June 2; Gaz. vol. 203; p. 55.
 Marion, Frank, Kingston, Mass. Crank-lock. No. 1,101,650; June 30; Gaz. vol. 203; p. 1313.
 Marion Steam Shovel Company, The. (See Jacoby and Johnson, assignors.)
 Marion Steam Shovel Company, The. (See King and Fellmeth, assignors.)
 Marion Steam Shovel Company, The. (See King and Gracely, assignors.)
 Marion Steam Shovel Company, The. (See King, Weston, and Russell, assignors.)
 Mark, Cangen, Brooklyn, N. Y. Buffing device. No. 1,120,023; Dec. 8; Gaz. vol. 209; p. 423.
 Mark, George L., Roland Park, Md., assignor to The Gandy Belting Company of Baltimore City. Belt-machine. No. 1,094,801; Apr. 28; Gaz. vol. 201; p. 1047.
 Mark, James A., Madison, Kans. Cabinet. No. 1,090,734; Mar. 17; Gaz. vol. 200; p. 796.
 Markel, Emil, administrator. (See Feld, Walther.)
 Markem Machine Co. (See Putnam and Locke, assignors.)
 Markem Machine Company. (See Putnam, Fred A., assignor.)
 Markem Machine Company. (See Robbins, Charles F., assignor.)
 Markens, George W., Brooklyn, N. Y. Dice-cup. No. 1,103,366; July 14; Gaz. vol. 204; p. 444.
 Marker, Henry H., Mount Clemens, assignor of three-fourths to F. G. Krueger, M. A. Smith, and R. S. Moore, Detroit, Mich. Vehicle-body. No. 1,085,350; Jan. 27; Gaz. vol. 198; p. 797.
 Markham, Andrew J., assignor of one-tenth to C. A. Swanson, one-tenth to C. A. Senter, one-tenth to E. J. Clark, one-tenth to G. W. Morris, and one-tenth to W. C. Johnston, Dana, Iowa. Corn-harvester. No. 1,121,740; Dec. 22; Gaz. vol. 209; p. 1108.
 Markham, Charles F., Providence, R. I. Pin. No. 1,113,670; Oct. 13; Gaz. vol. 207; p. 481.
 Markham, Nelson C., Denver, Colo. Grinder and polisher for car-journals. No. 1,083,452; Jan. 6; Gaz. vol. 198; p. 65.
 Markham, Sidney L., Jamestown, N. Y. Window-frame. No. 1,116,828; Nov. 10; Gaz. vol. 208; p. 514.
 Markham, William J. (See Berry and Markham.)
 Markland, Wyllis H. (See Longaker and Markland.)
 Markle, Hyman E., Nashville, Tenn. Sound-reproducing machine. No. 1,111,716; Sept. 22; Gaz. vol. 206; p. 1130.

- Marklein, Otto. (See Gasau and Marklein.)
- Markoe, John A., St. Paul, Minn., assignor to Electric Mailing Machine Company. Envelop-sealing machine. No. 1,096,309; May 12; Gaz. vol. 202; p. 424.
- Markoe, John S. (See Hammond, Charles H., assignor.)
- Markowitz, Isidor H., New York, N. Y. Mirror. No. 1,116,718; Nov. 10; Gaz. vol. 208; p. 474.
- Marks, Albert, New York, N. Y. Hand stamping-machine. No. 1,121,518; Dec. 15; Gaz. vol. 209; p. 994.
- Marks, Charles J. (See Pfahler and Marks.)
- Marks, Charles J., New Brunswick, N. J. Gear-truing chuck. No. 1,110,396; Sept. 15; Gaz. vol. 206; p. 627.
- Marks, David A. (See Shedd, Harry M., assignor.)
- Marks, Harry, and S. Helsel, assignors of one-third to W. C. Howland, Johnstown, Pa. Incandescent-lamp socket. No. 1,088,914; Mar. 3; Gaz. vol. 200; p. 82.
- Marks, Henry A., Winter Haven, Fla. Oil-burner. No. 1,110,329; Sept. 15; Gaz. vol. 206; p. 603.
- Marks, Julius W., New York, N. Y. Meat-tongue. No. 1,116,601; Nov. 10; Gaz. vol. 208; p. 433.
- Marks, Nathaniel G. (See Lake and Marks.)
- Marks, Sam R., Jacksonville, Fla. Turnstile. No. 1,107,975; Aug. 18; Gaz. vol. 205; p. 928.
- Märksch, Paul, Berlin, Germany. Door check and hinge. No. 1,103,792; July 14; Gaz. vol. 204; p. 594.
- Markson, Joseph, Tacoma, Wash. Armored-tube life-saver. No. 1,083,846; Jan. 6; Gaz. vol. 198; p. 192.
- Markstein, Jacob, *et al.* (See Sandiford, Green W., assignor.)
- Markwell, Andrew E., assignor of one-half to C. W. Stanton, Fort Worth, Tex. Beveled-rule-molding device. No. 1,096,789; May 12; Gaz. vol. 202; p. 584.
- Marlen, James V., Modoc, Ill. Corn-planter. No. 1,113,802; Oct. 13; Gaz. vol. 207; p. 528.
- Marlin Firearms Company. (See Reeves, Charles W., assignor.)
- Marlin Firearms Company, The. (See Schilbach, August C., assignor.)
- Marlin Firearms Company, The. (See Swebilius and Hanitz, assignors.)
- Marlin Firearms Company, The. (See Wheeler, John H., assignor.)
- Marlin Firearms Company, The. (See Wheeler and Manglier, assignors.)
- Marlow, Mark K., Block, Tenn. Automatic railway-switch. No. 1,099,807; June 9; Gaz. vol. 203; p. 536.
- Marlow, Thomas G., London, assignor to The Pulsometer Engineering Company Limited, Reading, England. Apparatus suitable for drying, heating, cooling, or ventilating. No. 1,102,599; July 7; Gaz. vol. 204; p. 133.
- Marlow, William, New York, N. Y., assignor to Standard Knitting Mills Company. Union suit. No. 1,105,677; Aug. 4; Gaz. vol. 205; p. 31.
- Marmon, Howard C., assignor to Nordyke & Marmon Company, Indianapolis, Ind. Power-train mounting for automobiles. No. 1,103,524; July 14; Gaz. vol. 204; p. 497.
- Maroschek, Andrew, Plainfield, N. J. Tire-armor. No. 1,122,017; Dec. 22; Gaz. vol. 209; p. 1207.
- Marquardt, Reinhold G., and O. H. Stuewe, assignors to Milwaukee Woven Wire Works, Milwaukee, Wis. Mattress-springs. No. 1,092,375; Apr. 7; Gaz. vol. 201; p. 86.
- Marquette Piano Company. (See Larson, Axel F., assignor.)
- Marquette, William, Atlantic, Iowa. Baggage-carrier. No. 1,095,339; May 5; Gaz. vol. 202; p. 57.
- Marquis, Joseph E., Williamstown, W. Va. Machine for drying veneer. No. 1,086,194; Feb. 3; Gaz. vol. 199; p. 217.
- Marr, Alexander, Manchester, England. Telephonic receiver. No. 1,087,127; Feb. 17; Gaz. vol. 199; p. 634.
- Marr, Alexander, Manchester, England. Telephonic receiver. No. 1,087,128; Feb. 17; Gaz. vol. 199; p. 634.
- Marr, Robert A., assignor to American Wood Encysting Co., Incorporated, Norfolk, Va. Preserved wood and making same. No. 1,121,643; Dec. 22; Gaz. vol. 209; p. 1075.
- Marr, Robert A., assignor to American Wood Encysting Co., Incorporated, Norfolk, Va. Buoyant articles and making same. No. 1,121,644; Dec. 22; Gaz. vol. 209; p. 1075.
- Marr, Robert A., assignor to American Wood Encysting Co., Incorporated, Norfolk, Va. Treating wood for buoyant articles and product thereof. No. 1,121,645; Dec. 22; Gaz. vol. 209; p. 1075.
- Marr, Robert A., assignor to American Wood Encysting Co., Incorporated, Norfolk, Va. Preserved wood and making same. No. 1,121,646; Dec. 22; Gaz. vol. 209; p. 1075.
- Marr, Robert A., assignor to General Water-Proofing Co., Incorporated, Norfolk, Va. Waterproofed textile material and making same. No. 1,121,647; Dec. 22; Gaz. vol. 209; p. 1076.
- Marr, Robert A., assignor to General Water-Proofing Co., Incorporated, Norfolk, Va. Waterproofing textile material and product. No. 1,121,648; Dec. 22; Gaz. vol. 209; p. 1076.
- Marr, Walter L., Flint, Mich. Means for increasing the stability of aeroplanes. No. 1,104,056; July 21; Gaz. vol. 204; p. 725.
- Marr, Walter L., Flint, Mich. Lubricating system for motors. No. 1,104,057; July 21; Gaz. vol. 204; p. 725.
- Marr, Walter L., Flint, Mich. Starting device for explosive-engines. No. 1,104,058; July 21; Gaz. vol. 204; p. 725.
- Marr, Walter L., Flint, Mich. Explosive-engine. No. 1,104,059; July 21; Gaz. vol. 204; p. 726.
- Marr, Walter L., Flint, Mich. Engine-starter. No. 1,113,129; Oct. 6; Gaz. vol. 207; p. 247.
- Marr, Walter L., Flint, Mich. Motor-vehicle. No. 1,113,130; Oct. 6; Gaz. vol. 207; p. 247.
- Marr, Walter L., Flint, Mich. Automobile construction. No. 1,113,131; Oct. 6; Gaz. vol. 207; p. 248.
- Marriott, Albert G. and M. J., Guelph, Ontario, Canada. Gymnastic apparatus. No. 1,115,223; Oct. 27; Gaz. vol. 207; p. 1123.
- Marriott, Francis B., Homewood, Ala. Spring-motor. No. 1,108,456; Aug. 25; Gaz. vol. 205; p. 1142.
- Marriott, Frank. (See Frey and Marriott.)
- Marriott, Merner J. (See Marriott, Albert G. and M. J.)
- Marrs, Gifford L., McCoyburg, Ind. Parcel-carrier for motor-cycles. No. 1,102,159; June 30; Gaz. vol. 203; p. 1492.
- Marrs, Vollie B., assignor of one-half to D. J. Harris, Santa Anna, and one-eighth to W. H. Blakey, Buckholtz, Tex. Steam-boiler indicator. No. 1,095,012; Apr. 28; Gaz. vol. 201; p. 1122.
- Mars, James C., assignor to Fleur De Lis Specialty Company, Chicago, Ill. Cream-massage device. No. 1,117,207; Nov. 17; Gaz. vol. 208; p. 685.
- Mars, James C., assignor to Fleur De Lis Specialty Company, Chicago, Ill. Cream-massage device. No. 1,117,208; Nov. 17; Gaz. vol. 208; p. 685.
- Marschall, Adolf J., Madison, Wis. Draft-regulator. No. 1,109,852; Sept. 8; Gaz. vol. 206; p. 392.
- Marschall, Ludwig, New York, N. Y. Flying-machine. No. 1,117,585; Nov. 17; Gaz. vol. 208; p. 817.
- Marschke, Reinhold B., Missoula, Mont. Shingle. No. 1,119,439; Dec. 1; Gaz. vol. 209; p. 186.
- Marsden, Harry T., Higher Broughton, and F. Jervis, Burnage, England. Beetling-machine. No. 1,095,901; May 5; Gaz. vol. 202; p. 247.
- Marseilles Company. (See Adams, Alonzo T., assignor.)
- Marseilles Company. (See Brown, Theophilus, assignor.)
- Marsh-Capron Manufacturing Company. (See Mosby, Alfred D., assignor.)
- Marsh, Charles P., assignor of one-half to D. F. Pond, Blue Earth, Minn. Onion-topping machine. No. 1,085,053; Jan. 20; Gaz. vol. 198; p. 656.
- Marsh, E. L. (See Brightman, Frank E., assignor.)
- Marsh, George A., Dixfield, Me. Tipping-machine. No. 1,111,162; Sept. 22; Gaz. vol. 206; p. 939.
- Marsh, Howard E., Palms, Cal., assignor, by mesne assignments, to J. H. Carr. Machine for making concrete pipe. No. 1,084,158; Jan. 13; Gaz. vol. 198; p. 328.
- Marsh, James B., Des Moines, Iowa. Concrete structure and making same. No. 1,086,678; Feb. 10; Gaz. vol. 199; p. 428.
- Marsh, Jesse R. (See Enevoldson, Marsh, and Enevoldson.)
- Marsh, John A., and R. Ulrich, Jacksonville, Oreg. Axle construction for automobiles. No. 1,098,816; June 2; Gaz. vol. 203; p. 156.
- Marsh, Lester D., assignor to Yale Knitting Company, Malden, Mass. Union undergarment. No. 1,113,803; Oct. 13; Gaz. vol. 207; p. 528.
- Marsh, Lester D., assignor to Yale Knitting Company, Malden, Mass. Sweater. No. 1,122,212; Dec. 22; Gaz. vol. 209; p. 1271.
- Marsh, Robert, Weldon, Ill. Tractor. No. 1,103,678; July 14; Gaz. vol. 204; p. 556.
- Marsh, Wilbur W. (See Morgan, Thomas W., assignor.)
- Marsh, Wilbur W., and C. H. Hackett, Waterloo, Iowa. Supply-can for cream-separators. No. 1,098,122; May 26; Gaz. vol. 202; p. 1140.
- Marsh, William C., Dunkirk, N. Y. Radiator-valve. No. 1,085,054; Jan. 20; Gaz. vol. 198; p. 657.
- Marsh, William C., Dunkirk, N. Y. Valve. No. 1,111,598; Sept. 22; Gaz. vol. 206; p. 1088.
- Marsh, William F., *et al.* (See Elliott, Thaddeus V., assignor.)
- Marshall, Albert E., Asheville, N. C. Locking device for automobile-hoods. No. 1,097,455; May 19; Gaz. vol. 202; p. 861.
- Marshall, Albert H., and T. L. Richardson, Chicago, Ill. Apparatus for printing tape. No. 1,106,660; Aug. 11; Gaz. vol. 205; p. 420.
- Marshall, Aquila B., New York, assignor to American Radiator Co., Brooklyn, N. Y. Vacuum-cleaner. No. 1,106,231; Aug. 4; Gaz. vol. 205; p. 224.
- Marshall, Archie R., *et al.* (See Dutcher, Frank, assignor.)
- Marshall, Bruno E., Williams, Ariz. Toy. No. 1,099,507; June 9; Gaz. vol. 203; p. 433.
- Marshall, Bruno E., Williams, Ariz., assignor to Baldwin, Tuthill and Bolton, Grand Rapids, Mich. Limiting and stopping device. No. 1,100,574; Aug. 11; Gaz. vol. 205; p. 390.

Alphabetical list of patentees—Continued.

- Marshall, Charles S., Brockton, assignor, by mesne assignments, to Boston Machine Works Company, Lynn, Mass. Machine for folding shoe-uppers. No. 1,101,750; June 30; Gaz. vol. 203; p. 1346.
- Marshall, Earl H., Lawrence, Kans. Locomotive-headlight. No. 1,085,453; Jan. 27; Gaz. vol. 198; p. 830.
- Marshall, Ernest W. (See Whittier, Charles R., assignor.)
- Marshall, Frank F. (See Schorik and Marshall.)
- Marshall, George, Fremont, Nebr. Bundle carrier or conveyor. No. 1,089,715; Mar. 10; Gaz. vol. 200; p. 405.
- Marshall, Harry E. (See Harvey, Redge, assignor.)
- Marshall, Jefferson D., New Orleans, La. Mill. No. 1,109,932; Sept. 8; Gaz. vol. 206; p. 422.
- Marshall, John E., Sandiacre, England. Spring-mattress and spring seating-surface. No. 1,102,280; July 7; Gaz. vol. 204; p. 20.
- Marshall, John I. (See Faulds, John, assignor.)
- Marshall, Percy. (See Cuttill and Marshall.)
- Marshall, Sam. (See Cuttill and Marshall.)
- Marshall, Samuel A. (See Hines, Curry, Miskelly, and Marshall.)
- Marshall, William A., Toltec, Colo. Currycomb-cleaner. No. 1,098,631; June 2; Gaz. vol. 203; p. 95.
- Marshall, William E. (See Orr and Marshall.)
- Marshall, William S. (See Nielsen, Niels A., assignor.)
- Marshall, Joseph J., Henderson, Ky. Grooving-machine. No. 1,084,460; Jan. 13; Gaz. vol. 198; p. 426.
- Marston, Charles F., Cedarhurst, N. Y. Rear-end signal for vehicles. No. 1,095,902; May 5; Gaz. vol. 202; p. 247.
- Marston, John W., Jr., Mobile, Ala. Shoe attachment for automobile-wheels. No. 1,083,886; Jan. 6; Gaz. vol. 198; p. 203.
- Martel, Achille, and J. A. Thibault, Fraserville, Quebec, Canada. Non-refillable bottle. No. 1,085,622; Feb. 3; Gaz. vol. 199; p. 15.
- Martel, Raul, Fall River, Mass. Loom-brake. No. 1,098,278; May 26; Gaz. vol. 202; p. 1194.
- Marten, Freeman Company, The. (See Marten, Thomas H., assignor.)
- Marten, Henry F., H. Grahm, and J. C. Andresen, San Francisco, Cal. Barrel-heading machine. No. 1,109,079; Sept. 1; Gaz. vol. 206; p. 79.
- Marten, Thomas H., assignor to The Marten, Freeman Company, Limited, Toronto, Ontario, Canada. Crane. No. 1,123,132; Dec. 29; Gaz. vol. 209; p. 1631.
- Martenette, Francis L., Chico, Cal. Spring for vehicles. No. 1,105,358; July 28; Gaz. vol. 204; p. 1228.
- Martens, Gustav H., *et al.* (See Goodfellow, Charles S., assignor.)
- Martens, John B., Cleveland, Ohio. Die-stock. No. 1,112,818; Oct. 6; Gaz. vol. 207; p. 143.
- Martens, John C. J., New Orleans, La. Faucet for dispensing beverages. No. 1,105,359; July 28; Gaz. vol. 204; p. 1228.
- Martin, Adolphus J. (See Campbell and Martin.)
- Martin, Alfred, Rockford, Ill. Furnace. No. 1,103,888; July 14; Gaz. vol. 204; p. 626.
- Martin, Arthur, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Filing-cabinet. No. 1,103,598; July 14; Gaz. vol. 204; p. 526.
- Martin, Charles E., Mansfield, Ohio. Corrugated culvert-pipe. No. 1,083,548; Jan. 6; Gaz. vol. 198; p. 96.
- Martin, Charles E., Mansfield, Ohio. Roof for silos or the like. No. 1,096,442; May 12; Gaz. vol. 202; p. 468.
- Martin, Charles E., Mansfield, Ohio. Roof for silos or the like. No. 1,096,443; May 12; Gaz. vol. 202; p. 468.
- Martin, Charles E., Mansfield, Ohio. Roof for silos. No. 1,106,150; Aug. 4; Gaz. vol. 205; p. 198.
- Martin, Charles E., Louisville, Ky. Rain-shield for windows. No. 1,116,602; Nov. 10; Gaz. vol. 208; p. 433.
- Martin, Charles H. (See Smith, William M., assignor.)
- Martin, Christian H., Akron, Ohio. Hinge. No. 1,109,003; Sept. 1; Gaz. vol. 206; p. 52.
- Martin, Christian H., Akron, Ohio. Attachment for music-rolls. No. 1,111,264; Sept. 22; Gaz. vol. 206; p. 974.
- Martin, Conrad, *et al.* (See Luther, Otto C., assignor.)
- Martin-Copeland Company. (See Morrarty, Andrew J., assignor.)
- Martin, Daniel W., Lufkin, Tex. Timber-hook. No. 1,097,813; May 26; Gaz. vol. 202; p. 1031.
- Martin, Edward, Oconomowoc, Wis. Carrier-track. No. 1,112,017; Sept. 29; Gaz. vol. 206; p. 1269.
- Martin, Emile F., New Orleans, La. Automobile attachment. No. 1,102,773; July 7; Gaz. vol. 204; p. 193.
- Martin, Ferdinand D., Biloxi, Miss. Finger-guard for sewing-machines. No. 1,091,363; Mar. 24; Gaz. vol. 200; p. 1042.
- Martin, Frank, assignor to Wright Wire Company, Worcester, Mass. Fish-flake. No. 1,121,853; Dec. 22; Gaz. vol. 209; p. 1149.
- Martin, Frank B., assignor to Postum Cereal Company, Limited, Battle Creek, Mich. Carton-sealing machine. No. 1,094,451; Apr. 28; Gaz. vol. 201; p. 923.
- Martin, Frank B., assignor to Postum Cereal Co., Limited, Battle Creek, Mich. Carton-feeding device. No. 1,096,310; May 12; Gaz. vol. 202; p. 424.
- Martin, Frank B., assignor to Postum Cereal Co., Limited, Battle Creek, Mich. Carton-feeding device. No. 1,101,651; June 30; Gaz. vol. 203; p. 1314.
- Martin, Frank B., assignor to Postum Cereal Co., Limited, Battle Creek, Mich. Flap-closing device for cartons. No. 1,119,091; Dec. 1; Gaz. vol. 209; p. 67.
- Martin, Frank P., Williamsburg, Kans. Mold. No. 1,106,661; Aug. 11; Gaz. vol. 205; p. 421.
- Martin, Freddie K., Chelsea, Okla. Oil-burner. No. 1,089,938; Mar. 10; Gaz. vol. 200; p. 483.
- Martin, Frederick I., Mellen, Wis. Releasable stake for lumber-cars. No. 1,122,966; Dec. 29; Gaz. vol. 209; p. 1573.
- Martin, Frederick W. (See Elvin and Martin.)
- Martin, Frederick W., Wichita, Kans. Sectional metal stack-cover. No. 1,103,793; July 14; Gaz. vol. 204; p. 594.
- Martin, Frederick W., New York, N. Y., assignor to A. G. Elvin, Somerville, N. J. Pedal device for locomotive fire-doors. No. 1,113,161; Oct. 6; Gaz. vol. 207; p. 259.
- Martin, George A., assignor to Dexter Folder Company, Pearl River, N. Y. Paper-feeding machine. No. 1,098,279; May 26; Gaz. vol. 202; p. 1194.
- Martin, George E., Philadelphia, Pa. Bellows-operating mechanism for mechanical musical instruments. No. 1,086,927; Feb. 10; Gaz. vol. 199; p. 516.
- Martin, George H., Hornell, N. Y. Apparatus for mixing and screening molders' sand. No. 1,089,238; Mar. 3; Gaz. vol. 200; p. 194.
- Martin, George S., and M. Berger, Anderson, Ind. Brush. No. 1,099,262; June 9; Gaz. vol. 203; p. 349.
- Martin, Haakon A., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,109,685; Sept. 8; Gaz. vol. 206; p. 334.
- Martin, Homer V., Lincoln, Nebr. Telescopic box. No. 1,099,808; June 9; Gaz. vol. 203; p. 536.
- Martin, Homer V., Lincoln, Nebr. Expansible box. No. 1,120,955; Dec. 15; Gaz. vol. 209; p. 799.
- Martin, Horace E., Athens, Ga. Chain saw. No. 1,107,535; Aug. 18; Gaz. vol. 205; p. 774.
- Martin, Horace E., Athens, Ga. Chain saw. No. 1,107,625; Aug. 18; Gaz. vol. 205; p. 807.
- Martin, Howard O., Clovis, N. Mex. Triple valve. No. 1,105,360; July 28; Gaz. vol. 204; p. 1228.
- Martin, Israel J., Pittsburgh, Pa. Device for cleaning windows. No. 1,086,380; Feb. 10; Gaz. vol. 199; p. 324.
- Martin, James A., *et al.* (See Kent, Victor E., assignor.)
- Martin, James A. (See Kent and Martin.)
- Martin, James D., *et al.* (See Cobb, Luther, assignor.)
- Martin, James D. (See Cobb and Martin.)
- Martin, James H., Jr., assignor to C. P. Monash, Chicago, Ill. Thermostatic trap or valve. No. 1,094,666; Apr. 28; Gaz. vol. 201; p. 1001.
- Martin, James W., Pawtucket, and H. J. Myers, Central Falls, R. I. Loom-temple. No. 1,121,194; Dec. 15; Gaz. vol. 209; p. 884.
- Martin, John E., Bay City, Tex. Pipe-grapple. No. 1,102,065; June 30; Gaz. vol. 203; p. 1460.
- Martin, John L., *et al.* (See Rising, John G., assignor.)
- Martin, John P., *et al.* (See Coldiron, James L., assignor.)
- Martin, Josef, Munich, Germany. Receptacle for light ashes. No. 1,103,794; July 14; Gaz. vol. 204; p. 594.
- Martin, Joseph H., Elgin, Ill. Watchmaker's gage. No. 1,101,945; June 30; Gaz. vol. 203; p. 1417.
- Martin, Julius, and H. Sibbald, New York, N. Y. Carbureter attachment. No. 1,092,279; Apr. 7; Gaz. vol. 201; p. 54.
- Martin, Lauren. (See Hammack, Hedges, and Martin.)
- Martin, Lewis A. (See Whitman and Martin.)
- Martin, Louis, New York, N. Y. Saddle. No. 1,108,597; Aug. 25; Gaz. vol. 205; p. 1193.
- Martin, Mason, *et al.* (See Cribb, Oscar N., assignor.)
- Martin, Perley H., Vershire, Vt. Cushion-wheel. No. 1,090,735; Mar. 17; Gaz. vol. 200; p. 796.
- Martin, Ralph E., Los Angeles, Cal. Trunk. No. 1,087,029; Feb. 10; Gaz. vol. 199; p. 548.
- Martin, Ralph W., Bellevue borough, Pa. Variable-speed device. No. 1,115,000; Oct. 27; Gaz. vol. 207; p. 1043.
- Martin, Richard A., Warren, Mass. Combined curtain-bracket and window-shade support. No. 1,100,839; June 23; Gaz. vol. 203; p. 981.
- Martin, Robert L., Thomas, W. Va. Fire-extinguisher. No. 1,108,381; Aug. 25; Gaz. vol. 205; p. 1118.
- Martin, Sarpala, Marquette, Mich. Trunk-lock. No. 1,090,736; Mar. 17; Gaz. vol. 200; p. 797.
- Martin, Simon L., and W. A. Smith, Oklahoma, Okla. Signaling device. No. 1,085,989; Feb. 3; Gaz. vol. 199; p. 147.
- Martin, Stephen G., *et al.* (See Scheuermann, Philip J., assignor.)
- Martin, Talbot G., assignor, by mesne assignments, to First Trust and Savings Bank, trustee, Chicago, Ill. Telephone-exchange system. No. 1,109,650; Sept. 1; Gaz. vol. 206; p. 279.
- Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Telephone release-insuring means. No. 1,115,324; Oct. 27; Gaz. vol. 207; p. 1156.
- Martin, Thomas A., Sparta, Mich., assignor, by mesne assignments, to Hercules Gas Engine Company, Evansville, Ind. Carbureter. No. 1,120,397; Dec. 8; Gaz. vol. 209; p. 555.
- Martin, Victor H. (See Maitre and Martin.)

Alphabetical list of patentees—Continued.

- Martin, Walter. (See Bock and Martin.)
- Martin, Walter W., Wellington, New Zealand. Needle-threader. No. 1,115,851; Nov. 3; Gaz. vol. 208; p. 131.
- Martin, Walther, Bitterfeld, Germany. Feed-regulator for shelling and deburring machines. No. 1,097,658; May 26; Gaz. vol. 202; p. 975.
- Martin, Whitley E., Winston-Salem, N. C., and G. Bryan, Dallas, Tex., assignors to Standard Cross-Tie Machine Company, New Orleans, La. Gearing. No. 1,089,141; Mar. 3; Gaz. vol. 200; p. 163.
- Martin, William, assignor of one-fourth to C. Wineapple, one-fourth to M. Lemkin, and one-fourth to M. Wineapple, Salem, Mass. Curtain-fixture. No. 1,107,334; Aug. 18; Gaz. vol. 205; p. 702.
- Martin, William A., Waxahachie, Tex. Plow-facing. No. 1,096,311; May 12; Gaz. vol. 202; p. 425.
- Martin, William E., Stamford, England. Carbureter. No. 1,115,951; Nov. 3; Gaz. vol. 208; p. 165.
- Martin, William H., Ukiah, Cal. Car-fender. No. 1,093,870; Apr. 21; Gaz. vol. 201; p. 670.
- Martin, William H., assignor of one-half to H. Meyers, Ukiah, Cal. Revolving suspension-rack. No. 1,084,022; Jan. 13; Gaz. vol. 198; p. 283.
- Martin, William H., assignor of one-half to H. Wilson, Yountville, Cal. Adjustable headlight for motor-vehicles. No. 1,120,154; Dec. 8; Gaz. vol. 209; p. 468.
- Martinechek, Stephan, Posen, Ill. Artificial leg. No. 1,102,774; July 7; Gaz. vol. 204; p. 194.
- Martineau, Clarence R. (See Martineau and Appler.)
- Martineau, Clarence R. (See Martineau, William C. and C. R.)
- Martineau, Francis L., London, England. Hydraulic planing-machine. No. 1,098,280; May 26; Gaz. vol. 202; p. 1195.
- Martineau, William C. and C. R., Albany, N. Y. Car-seal. No. 1,115,952; Nov. 3; Gaz. vol. 208; p. 165.
- Martineau, William C. and C. R., Albany, and A. B. Appler, Watervliet, N. Y.; said C. R. Martineau and said A. B. Appler assignors to said William C. Martineau. Lock. No. 1,111,599; Sept. 22; Gaz. vol. 206; p. 1089.
- Martinez, Norberto, assignor of one-half to T. Wahrenberger, Cotulla, Tex. Transmission mechanism. No. 1,112,375; Sept. 29; Gaz. vol. 206; p. 1394.
- Martini, Carl, deceased, Berlin; M. Martini, Hanover, executrix, assignor to Martini & Hüneke Maschinenbau-Aktien-Gesellschaft, Berlin, Germany. Testing and controlling device for producers of inert gases. No. 1,099,611; June 9; Gaz. vol. 203; p. 469.
- Martini & Hüneke Maschinenbau-Aktien-Gesellschaft. (See Martini, Carl, assignor.)
- Martini, Joseph, St. Louis, Mo. Attachment for lithographing-printing-press rollers. No. 1,110,397; Sept. 15; Gaz. vol. 206; p. 628.
- Martini, Maria, executrix. (See Martini, Carl.)
- Martintz, John, *et al.* (See Crooks, Earl G., assignor.)
- Martino, Adin. (See Eagleston, Joseph B., assignor.)
- Martins, Jens C., assignor to Transmission Akts., Copenhagen, Denmark. Variable-speed gear. No. 1,112,710; Oct. 6; Gaz. vol. 207; p. 107.
- Martins, Jens C., assignor to Transmission Akts., Copenhagen, Denmark. Variable-speed friction-gearing. No. 1,112,711; Oct. 6; Gaz. vol. 207; p. 107.
- Martinson, Henry, Elbow Lake, Minn. Separator. No. 1,111,227; Sept. 22; Gaz. vol. 206; p. 961.
- Martinson, Martin, assignor of one-half to B. L. Shaw, Kenosha, Wis. Pin-setting apparatus for bowling-alleys. No. 1,111,481; Sept. 22; Gaz. vol. 206; p. 1047.
- Martinson, Oscar J., Chicago, Ill., assignor to Monighan Machine Co. Excavator-tractor. No. 1,095,464; May 5; Gaz. vol. 202; p. 99.
- Martinson, Oscar J., Chicago, Ill., assignor to Monighan Machine Co. Tractor. No. 1,101,459; June 23; Gaz. vol. 203; p. 1195.
- Martinson, Oscar J., Chicago, Ill., assignor to Monighan Machine Co. Excavator-tractor. No. 1,101,460; June 23; Gaz. vol. 203; p. 1195.
- Martus, William J., assignor to C. A. Powell, Whitesboro, N. Y. Sewing-machine guide. No. 1,103,795; July 14; Gaz. vol. 204; p. 594.
- Martz, Harry C., Harfistburg, Pa. Wedge-bolt lock. No. 1,083,752; Jan. 6; Gaz. vol. 198; p. 164.
- Maryama, Yasuji, Kansas City, Mo. Internal-combustion engine. No. 1,106,881; Aug. 11; Gaz. vol. 205; p. 497.
- Marvel, James, New Bedford, Mass. Friction-clutch. No. 1,091,069; Mar. 24; Gaz. vol. 200; p. 944.
- Marvel Products Company. (See Eschwei, Charles, assignor.)
- Marvell, Roy W., Baltimore, Md., assignor, by mesne assignments, to Lyon, Conklin & Company. Self-heating soldering-iron. No. 1,107,813; Aug. 18; Gaz. vol. 205; p. 872.
- Marvil, Joshua D., *et al.* (See Marvil of V., Joshua H., assignor.)
- Marvil, Joshua D., *et al.* (See Marvil of V. and Downs, assignors.)
- Marvil of V., Joshua H., assignor of one-third to J. D. Marvil and two-thirds to S. D. Marvil, Laurel, Del.; S. L. Marvil and F. B. Sirman executors of said J. D. Marvil, deceased. Tire-repair patch. No. 1,102,939; July 7; Gaz. vol. 204; p. 248.
- Marvil of V., Joshua H., and I. H. Downs, assignors of one-third to J. D. Marvil and two-thirds to S. D. Marvil, Laurel, Del.; S. L. Marvil and F. B. Sirman, executors of said J. D. Marvil, deceased. Blow-out patch. No. 1,102,938; July 7; Gaz. vol. 204; p. 248.
- Marvil, Sallie L., *et al.*, executors. (See Marvil of V., Joshua H.)
- Marvil, Sallie L., *et al.*, executors. (See Marvil of V. and Downs.)
- Marvil, Sirman D., *et al.* (See Marvil of V., Joshua H., assignor.)
- Marvil, Sirman D., *et al.* (See Marvil of V. and Downs, assignors.)
- Marwick, David B., assignor to The Stanley Works, New Britain, Conn. Metal-working. No. 1,110,000; Sept. 8; Gaz. vol. 206; p. 446.
- Marx, Carl, Lambrecht, Germany. Softening textile fibers. No. 1,120,730; Dec. 15; Gaz. vol. 209; p. 720.
- Marx, Emil A., Royal Center, Ind. Combination instrument. No. 1,118,873; Nov. 24; Gaz. vol. 208; p. 1306.
- Marx, George B., New York, N. Y. Extension-body for trucks, &c. No. 1,106,104; Aug. 4; Gaz. vol. 205; p. 182.
- Marx, Joseph, Hartington, Nebr. Ignition system for internal-combustion engines. No. 1,084,096; Jan. 13; Gaz. vol. 198; p. 308.
- Marx, Karl. (See Erlenbach and Marx.)
- Marx, Karl, Dessau, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Dyeing furs, hairs, and the like. No. 1,105,447; July 23; Gaz. vol. 204; p. 1258.
- Marx, Mathias, Neillsville, Wis. Trace-coupling. No. 1,098,817; June 2; Gaz. vol. 203; p. 156.
- Marx & Rawolle. (See Wood, Frank J., assignor.)
- Marx, Richard, Philadelphia, Pa. Holder for safety-razor blades. No. 1,103,977; July 21; Gaz. vol. 204; p. 698.
- Marx, Richard, assignor to Defiance Manufacturing Company, Philadelphia, Pa. Clip. No. 1,088,602; Feb. 24; Gaz. vol. 199; p. 1186.
- Marx, Richard, assignor, by mesne assignments, to The Temperite Company, Philadelphia, Pa. Blade-holder. No. 1,092,067; Mar. 31; Gaz. vol. 200; p. 1325.
- Marx, Robert, London, England. Rotary suction-roll or vacuum couch-roll for use in paper-making machines. No. 1,091,941; Mar. 31; Gaz. vol. 200; p. 1285.
- Maryott, Carlton H., Dallas, Tex. Reduction of unsaturated fatty acids and their esters. No. 1,097,456; May 19; Gaz. vol. 202; p. 861.
- Marzolf, William H., Racine, Wis. Weather-strip. No. 1,101,301; June 23; Gaz. vol. 203; p. 1142.
- Mascarenhas, Enéas G., Juiz de Fora, Brazil. Automatic train-stop system. No. 1,119,620; Dec. 1; Gaz. vol. 209; p. 248.
- Mascart, Charles, assignor to Société Générale des Comp-teurs de Voitures (Taximètres), Paris, France. Taximeter. No. 1,100,138; June 16; Gaz. vol. 203; p. 688.
- Mascher, Paul U., East Palestine, Ohio. Winding mechanism for motion-picture machines. No. 1,084,217; Jan. 13; Gaz. vol. 198; p. 349.
- Maschinenfabrik Augsburg-Nürnberg, A. G. (See Jag-schitz, Konrad, assignor.)
- Maschinenfabrik Augsburg-Nürnberg A. G. (See Kutzbach, Karl, assignor.)
- Maschinenfabrik Augsburg-Nürnberg A. G. (See Schwarz, Karl, assignor.)
- Maschinenfabrik Fahr/A.-G. (See Fahr, Johann G., assignor.)
- Maschinenfabrik Kappel A. G. (See Knecht, Johann J., assignor.)
- Maschinenfabrik Lorenz. (See Grundstein, Julius, assignor.)
- Maschinenfabrik Moenus A.-G. (See Abel, August, assignor.)
- Maschinenfabrik München Kommanditgesellschaft. (See Nast, Georg, assignor.)
- Maschinenfabrik Rüti. (See Egli, Edward, assignor.)
- Maschinenfabrik Rüti. (See Zubler, Johann J., assignor.)
- Maschinenfabrik Schnarr & Schmitt. (See Schmitt, Rudolf, assignor.)
- Maser, Nathaniel A., Vineland, N. J. Sanitary dental tray. No. 1,116,310; Nov. 3; Gaz. vol. 208; p. 286.
- Maserang, John, St. Louis, Mo. Straw-stacker. No. 1,090,638; Mar. 17; Gaz. vol. 200; p. 767.
- Mashek, Frank, assignor to L. B. Taylor, Chicago, Ill. Hand-bag. No. 1,090,553; Mar. 17; Gaz. vol. 200; p. 737.
- Maskin-och Brobygggnads Aktiebolaget. (See Sundberg, Per T., assignor.)
- Maskrey, Arthur J. (See Carnahan and Maskrey.)
- Masland, Walter E., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Solvent. No. 1,084,702; Jan. 20; Gaz. vol. 198; p. 540.
- Masland, Walter E., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Preparation of alcohols from chlorhydrocarbons. No. 1,086,381; Feb. 10; Gaz. vol. 199; p. 325.

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- Masland, Walter E., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Separation of organic compounds at low temperatures. No. 1,087,961; Feb. 24; Gaz. vol. 199; p. 971.
- Masland, Walter E., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Process of acetylation. No. 1,095,013; Apr. 28; Gaz. vol. 201; p. 1122.
- Masland, Walter E., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Acetylation of dichlorohydrocarbons. No. 1,102,347; July 7; Gaz. vol. 204; p. 44.
- Maslen, Frederick B., Moberly, Mo. Hanger for sliding sashes. No. 1,088,434; Feb. 24; Gaz. vol. 199; p. 1133.
- Mason, Arthur C. (See Willey and Mason.)
- Mason, Arthur J. (See Hoover and Mason.)
- Mason, Arthur J., assignor of one-half to F. K. Hoover, Chicago, Ill. Building concrete dock-walls. No. 1,083,289; Jan. 6; Gaz. vol. 198; p. 10.
- Mason Box Co., The. (See Rhodes, Russell I., assignor.)
- Mason, Charles O., Texhoma, Tex. Windmill-wheel. No. 1,089,239; Mar. 3; Gaz. vol. 200; p. 194.
- Mason, Charles O., Texhoma, Tex. Door-hanger. No. 1,100,438; June 16; Gaz. vol. 203; p. 792.
- Mason, Charles T., Sumter, S. C. Vent and overflow for batteries. No. 1,107,084; Aug. 11; Gaz. vol. 205; p. 565.
- Mason, Charles T., Sumter, S. C., assignor to Sumter Electrical Company. Ignition-dynamo. No. 1,105,361; July 28; Gaz. vol. 204; p. 1229.
- Mason, Edward F., trustee. (See Hammer, Fritz, assignor.)
- Mason, Frank H., Clarendon, Vt. Protector for automobile cooling systems. No. 1,101,751; June 30; Gaz. vol. 203; p. 1347.
- Mason, Fred H., Scranton, Pa. Separator. No. 1,117,876; Nov. 17; Gaz. vol. 208; p. 921.
- Mason, Fred H., and T. B. Griffin, Scranton, Pa. Separating apparatus. No. 1,086,195; Feb. 3; Gaz. vol. 199; p. 217.
- Mason, Frederic S. (See Kendall, William G., assignor.)
- Mason, George E., Toronto, Canada. Electrically-driven planing-machine. No. 1,089,658; Mar. 10; Gaz. vol. 200; p. 386.
- Mason, George N., assignor to Reading Hardware Company, Reading, Pa. Knob-positioning device for door-locks. No. 1,099,659; June 9; Gaz. vol. 203; p. 486.
- Mason, George N., Mount Penn, assignor to Reading Hardware Company, Reading, Pa. Lock and latch. No. 1,105,152; July 28; Gaz. vol. 204; p. 1151.
- Mason, Gilmore, New York, N. Y. Meter. No. 1,104,688; July 21; Gaz. vol. 204; p. 943.
- Mason, Hallock B. (See Mason, Julius H. and H. B.)
- Mason, James, Elkhorn, Wis. Folding harrow. No. 1,088,788; Mar. 3; Gaz. vol. 200; p. 40.
- Mason, James W., et al. (See Drysdale, Bruce, assignor.)
- Mason, John W. V., Manchester, England. Dough-kneading machine. No. 1,104,814; July 28; Gaz. vol. 204; p. 1036.
- Mason, Julius H. and H. B., Duncan Falls, Ohio. Bottle-receptacle. No. 1,106,050; Aug. 4; Gaz. vol. 205; p. 163.
- Mason, Percy G. (See Walters and Mason.)
- Mason, Thomas, Killarney, Ireland. Sash-holder for sliding sashes. No. 1,102,531; July 7; Gaz. vol. 204; p. 108.
- Mason, Thomas G., Toronto, Ontario, Canada. Electrically-controlled elevator. No. 1,091,003; Mar. 24; Gaz. vol. 200; p. 921.
- Mason, William K., assignor to J. W. Burnett, Cambridge, Mass. Electric drying apparatus. No. 1,107,814; Aug. 18; Gaz. vol. 205; p. 873.
- Masor, Daniel, New York, N. Y. Expansion-bolt. No. 1,101,302; June 23; Gaz. vol. 203; p. 1142.
- Mass, Adolph, Newark, N. J. Liquid-meter mounting. No. 1,122,967; Dec. 29; Gaz. vol. 209; p. 1573.
- Massachusetts Saw Works. (See Hutton, Amos, assignor.)
- Massard, Felix. (See Grémillet, Marie J., assignor.)
- Massart, Jules, Lantremange, Belgium. Beef-harvesting machine. No. 1,083,451; Jan. 6; Gaz. vol. 198; p. 65.
- Massatsch, Cornelius, Berlin-Tempelhof, assignor to Permutit-Aktiengesellschaft, Berlin, Germany. Clarifying and sterilizing water. No. 1,107,199; Aug. 11; Gaz. vol. 205; p. 607.
- Massey, Charles F., assignor to C. F. Massey Company, Chicago, Ill. Lamp-supporting structure. No. 1,085,144; Jan. 27; Gaz. vol. 198; p. 724.
- Massey, Charles F., assignor to C. F. Massey Company, Chicago, Ill. Lamp-supporting structure. No. 1,085,145; Jan. 27; Gaz. vol. 198; p. 724.
- Massey, Charles F., assignor to C. F. Massey Company, Chicago, Ill. Collapsible core for concrete pipes. No. 1,101,204; June 23; Gaz. vol. 203; p. 1109.
- Massey-Harris Company. (See East, Matthew H., assignor.)
- Massey-Harris Company. (See McLeod, Charles, assignor.)
- Massey-Harris Company. (See Rieske, Otto G., assignor.)
- Massey-Harris Company. (See Watts, Walter A., assignor.)
- Massey, Harry A., East St. Louis, Ill. Mop. No. 1,117,209; Nov. 17; Gaz. vol. 208; p. 686.
- Massey, Leonard F., and W. H. Snow, Manchester, England. Elastic-fluid hammer. No. 1,087,799; Feb. 17; Gaz. vol. 199; p. 868.
- Massey Machine Co., The. (See Ormston, Alfred J., assignor.)
- Massillon Wire Basket Co., The. (See Beatty and Reese, assignors.)
- Massmann, Henry E., and W. R. Tindall, Bristol, England. Apparatus for finishing or polishing cylindrical surfaces. No. 1,111,482; Sept. 22; Gaz. vol. 206; p. 1048.
- Masson, John G., Woonsocket, R. I. Dyeing-spool. No. 1,120,398; Dec. 8; Gaz. vol. 209; p. 555.
- Mast, Delbert H. (See Mast, Louis L., assignor.)
- Mast, Joseph, Miami, Ariz. Pocket match-safe. No. 1,091,070; Mar. 24; Gaz. vol. 200; p. 944.
- Mast, Louis L., assignor to D. H. Mast, West Milton, Ohio. Lightning-conductor. No. 1,112,634; Oct. 6; Gaz. vol. 207; p. 80.
- Mast, Louis L., assignor to D. H. Mast, West Milton, Ohio. Lightning-conductor. No. 1,119,973; Dec. 8; Gaz. vol. 209; p. 404.
- Masten, Philo W., Los Angeles, Cal. Muffler. No. 1,094,667; Apr. 28; Gaz. vol. 201; p. 1001.
- Master Builders Company, The. (See Fleisheim, Sylvester W., assignor.)
- Master Builders Company, The. (See Haldeman, Frank M., assignor.)
- Master, George A. (See Nielsen, Iver C., assignor.)
- Masterphone Corporation, The. (See Burchett, Walter J., assignor.)
- Masterphone Corporation, The. (See Claussen, Matthew B., assignor.)
- Masters, Clarissa V., executrix. (See Masters, Joseph H.)
- Masters, John E., Framingham, Mass. Shuttle-threading device. No. 1,117,073; Nov. 10; Gaz. vol. 208; p. 598.
- Masters, Joseph H., deceased; C. V. Masters, executrix, Chicago, Ill. Plant-setter. No. 1,120,211; Dec. 8; Gaz. vol. 209; p. 490.
- Masters, William A. (See Askeew and Masters.)
- Masterson, Edward J., Elizabeth, N. J. Safety railway appliance. No. 1,100,316; June 16; Gaz. vol. 203; p. 749.
- Masterson, Edward J., Elizabeth, N. J. Valve. No. 1,100,317; June 16; Gaz. vol. 203; p. 750.
- Masterson, William H., New York, N. Y. Snow-removing device. No. 1,109,240; Sept. 1; Gaz. vol. 206; p. 136.
- Mastin, Charles I. E., Midland Park, N. J. Mat or pad. No. 1,092,928; Apr. 14; Gaz. vol. 201; p. 311.
- Mastrangelo, Anthony, Weehawken, N. J., assignor of one-half to A. E. Buckland, New York, N. Y. Automatic train-stop. No. 1,113,027; Oct. 6; Gaz. vol. 207; p. 213.
- Masucci, Antonio, et al. (See Porto, Patrick, assignor.)
- Masury, Alfred F. (See Hewitt and Masury.)
- Masuzawa, Yoshimasa, Armona, Cal. Advertising apparatus. No. 1,088,603; Feb. 24; Gaz. vol. 199; p. 1186.
- Mataban, Benito C., Seattle, Wash. Marine velocipede. No. 1,112,712; Oct. 6; Gaz. vol. 207; p. 107.
- Matalene, Henry W., New York, N. Y. Pendant construction for watches. No. 1,122,780; Dec. 29; Gaz. vol. 209; p. 1507.
- Match Supply Company. (See Hutchinson, William F., assignor.)
- Matchette, Frank J. (See Van Ness, Frank W., assignor.)
- Matchette, Frank J., Milwaukee, Wis. Dust-collector. No. 1,083,408; Jan. 6; Gaz. vol. 198; p. 51.
- Matchette, Frank J., Milwaukee, Wis. Vacuum cleaning-tool. No. 1,094,579; Apr. 28; Gaz. vol. 201; p. 968.
- Matchette, Frank J., Milwaukee, Wis. Vacuum cleaning apparatus. No. 1,104,060; July 21; Gaz. vol. 204; p. 726.
- Matchette, Frank J., and F. W. Van Ness, Milwaukee, Wis.; said Van Ness assignor to said Matchette. Rotary pump. No. 1,087,962; Feb. 24; Gaz. vol. 199; p. 972.
- Matchette, Frank J., and R. Raddatz, Milwaukee, Wis., assignors, by mesne assignments, to Richmond Radiator Company, New York, N. Y. Vacuum cleaning and heating system. No. 1,106,349; Aug. 4; Gaz. vol. 205; p. 263.
- Matchette, Louis D. (See Weirich, Edgar F., assignor.)
- Matchette, Louis D., Milwaukee, Wis., assignor to B. F. Sturtevant Company, Boston, Mass. Portable vacuum-cleaner. No. 1,099,560; June 9; Gaz. vol. 203; p. 452.
- Matchless Heater Company. (See Gill, George C., assignor.)
- Mateer, Wilbur N., Hearne, Tex. Bridle-bit. No. 1,091,683; Mar. 31; Gaz. vol. 200; p. 1194.
- Matheny, Thurston, The Plains, Ohio. Nut-lock. No. 1,098,454; June 2; Gaz. vol. 203; p. 34.
- Mather, Alonzo C., Chicago, Ill. Indicator for vehicles. No. 1,101,205; June 23; Gaz. vol. 203; p. 1109.
- Mather, Charles, Passaic, N. J. Hanger. No. 1,091,942; Mar. 31; Gaz. vol. 200; p. 1285.
- Mather, George L., Akron, Ohio. Core. No. 1,097,037; May 19; Gaz. vol. 202; p. 716.
- Mather, Josiah M., and J. F. Steele, Anniston, Ala. Lock-strike. No. 1,099,387; June 9; Gaz. vol. 203; p. 393.
- Mather, Lewis V., Detroit, Mich., assignor, by mesne assignments, to Enameled Steel Package Corporation, Avon, N. Y. Metal keg or cask. No. 1,121,930; Dec. 22; Gaz. vol. 209; p. 1176.

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- Mathers, Harry M. (See Johnson and Mathers.)
 Mathes, Michael M. (See Donadon and Mathes.)
 Mathesius, Walther, Charlottenburg, Germany. Briquetting iron ores. No. 1,104,124; July 21; Gaz. vol. 204; p. 748.
 Mathews, Amos J., Montreal, Quebec, Canada. Shoe. No. 1,114,783; Oct. 27; Gaz. vol. 207; p. 966.
 Mathews, Andrew J., Villisca, Iowa. Wagon-brake. No. 1,122,405; Dec. 29; Gaz. vol. 209; p. 1376.
 Mathews, Andrew L., Toledo, Ohio. Making sugar. No. 1,097,724; May 26; Gaz. vol. 202; p. 999.
 Mathews, Ernest C., Minneapolis, Minn. Hen's nest. No. 1,106,517; Aug. 11; Gaz. vol. 205; p. 369.
 Mathews, Fred, assignor to C. C. Murphy, Chicago, Ill. Device for manipulating coupling-pins. No. 1,084,649; Jan. 20; Gaz. vol. 198; p. 518.
 Mathews, Fred, assignor to C. C. Murphy, Chicago, Ill. Weather-strip device for car-doors. No. 1,084,650; Jan. 20; Gaz. vol. 198; p. 519.
 Mathews, Fred, assignor to C. C. Murphy, Chicago, Ill. Car-door bracket. No. 1,085,924; Feb. 3; Gaz. vol. 199; p. 122.
 Mathews, Fred, assignor to C. C. Murphy, Chicago, Ill. Car-door. No. 1,089,421; Mar. 10; Gaz. vol. 200; p. 302.
 Mathews, Fred, assignor to C. C. Murphy, Chicago, Ill. Car-door. No. 1,113,454; Oct. 13; Gaz. vol. 207; p. 407.
 Mathews, Fred, assignor to C. C. Murphy, Chicago, Ill. Carline. No. 1,115,080; Oct. 27; Gaz. vol. 207; p. 1072.
 Mathews Gravity Carrier Company. (See Friel, John J., assignor.)
 Mathews, Henry B., Ansonia, Ohio. Bill-fle. No. 1,101,031; June 23; Gaz. vol. 203; p. 1050.
 Mathews, William E., Indianapolis, and E. I. Orem, Rexville, Ind. Coin-changing machine. No. 1,101,206; June 23; Gaz. vol. 203; p. 1110.
 Mathewson, Arthur C., Lisle, N. Y. Telltale bottle. No. 1,111,483; Sept. 22; Gaz. vol. 206; p. 1048.
 Mathewson, Edward P., and F. Laist, Anaconda, Mont. Metallizing-furnace. No. 1,094,802; Apr. 28; Gaz. vol. 201; p. 1048.
 Mathewson, Wilfred B., North Weymouth, assignor to F. L. Blood, Groton, Mass. Advertising device. No. 1,083,549; Jan. 6; Gaz. vol. 198; p. 96.
 Mathey, John J., and W. J. Binard, White Lake, S. D. Steering-truck for traction-engines. No. 1,092,376; Apr. 7; Gaz. vol. 201; p. 87.
 Mathias, Albert, El Paso, Tex. Garment. No. 1,121,383; Dec. 15; Gaz. vol. 209; p. 948.
 Mathias, Nicholas A., and B. S. Harder, Bartlesville, Okla. Auxiliary air-intake device. No. 1,102,066; June 30; Gaz. vol. 203; p. 1460.
 Mathias, Thomas H., Buffalo, assignor to Lackawanna Steel Company, Lackawanna, N. Y. Removing defective surfaces of steel bars. No. 1,120,831; Dec. 15; Gaz. vol. 209; p. 755.
 Mathiesen, Frances E., administratrix. (See Mathiesen, James C.)
 Mathiesen, James C., deceased; F. E. Mathiesen, administratrix, Oakland, assignor of one-half to C. Engby, San Francisco, Cal. Rotary steam-engine. No. 1,106,882; Aug. 11; Gaz. vol. 205; p. 497.
 Mathiesen, Marius, San Antonio, Tex., assignor to Mathiesen Spring Cushion Wheel Company. Spring-wheel. No. 1,087,963; Feb. 24; Gaz. vol. 199; p. 972.
 Mathiesen Spring Cushion Wheel Company. (See Mathiesen, Marius, assignor.)
 Mathis, Clifford, Spokane, Wash. Signal-block. No. 1,087,030; Feb. 10; Gaz. vol. 199; p. 548.
 Mathis, Ebenezer S. (See Mathis, Maja C., assignor.)
 Mathis, Maja C., Florence, assignor of one-half to E. S. Mathis, Haddonfield, N. J. Pencil-holder. No. 1,092,156; Apr. 7; Gaz. vol. 201; p. 11.
 Mathis, Owen, Granite, Okla. Clothes-pin. No. 1,093,449; Apr. 14; Gaz. vol. 201; p. 488.
 Mathis, Paul N., New York, N. Y. Automatic train-stop. No. 1,097,457; May 19; Gaz. vol. 202; p. 861.
 Mathys, Frederick A., Schenectady, N. Y. Float-valve. No. 1,117,210; Nov. 17; Gaz. vol. 208; p. 686.
 Matignon, Arthème, Bourg-la-Reine, assignor to The Société Generale des Nitrures, Paris, France. Synthetic preparation of ammonia from its constituents. No. 1,089,240; Mar. 3; Gaz. vol. 200; p. 195.
 Matignon, Arthème, Bourg-la-Reine, assignor to The Société Generale des Nitrures, Paris, France. Synthetic preparation of ammonia from its constituents. No. 1,089,241; Mar. 3; Gaz. vol. 200; p. 195.
 Matisse, Albert C. (See Matisse, Carle A. and A. C.)
 Matisse, Carle A. and A. C., New York, N. Y. Projecting-lamp. No. 1,110,955; Sept. 15; Gaz. vol. 206; p. 824.
 Matitsch, August, Nottingham, England, assignor to M. Faber & Co., Vienna, Austria-Hungary. Pillow-lace-making machine. No. 1,107,335; Aug. 18; Gaz. vol. 205; p. 702.
 Matitsch, August, Nottingham, England, assignor to M. Faber & Co., Vienna, Austria-Hungary. Bobbin for machines for the manufacture of pillow-lace. No. 1,113,671; Oct. 13; Gaz. vol. 207; p. 481.
 Matkin, Elmer H. (See Long and Matkin.)
 Matkin, Elmer H., Bonne Terre, Mo. Alcohol-lamp. No. 1,121,519; Dec. 15; Gaz. vol. 209; p. 994.
 Matlack, Albert F., Philadelphia, Pa., assignor to Sewage & Garbage Power Co. Treating garbage and sewage sludge. No. 1,102,532; July 7; Gaz. vol. 204; p. 108.
 Matlock, John W., Steelville, Mo. Oil-burner. No. 1,088,915; Mar. 3; Gaz. vol. 200; p. 82.
 Matos, Mike, assignor of one-half to M. Ostronjai, Lorain, Ohio. Fire-alarm system. No. 1,116,458; Nov. 10; Gaz. vol. 208; p. 378.
 Matson, Carl A., Lynn, Mass. Machine for wax-treating the edges of heels. No. 1,095,652; May 5; Gaz. vol. 202; p. 163.
 Matson, Carl A., Lynn, assignor of one-half to A. M. Hoyt, Swampscott, Mass. Wheel for finishing heels of boots or shoes. No. 1,084,746; Jan. 20; Gaz. vol. 198; p. 554.
 Matson, Carl A., Lynn, assignor of one-half to A. M. Hoyt, Swampscott, Mass. Machine for burnishing and finishing the heels of boots and shoes. No. 1,084,747; Jan. 20; Gaz. vol. 198; p. 554.
 Matson, Carl A., Lynn, assignor of one-half to A. M. Hoyt, Swampscott, Mass. Machine for cleaning articles. No. 1,086,544; Feb. 10; Gaz. vol. 199; p. 381.
 Matson, Carl A., Lynn, assignor of one-half to A. M. Hoyt, Swampscott, Mass. Heel burnishing or finishing wheel. No. 1,091,364; Mar. 24; Gaz. vol. 200; p. 1042.
 Matson, Charles, Elizabeth, assignor of one-half to E. Huch and one-half to R. Burkart, Aldene, N. J. Armor for pneumatic tires. No. 1,087,312; Feb. 17; Gaz. vol. 199; p. 698.
 Matson, Eric, Miller, Ind. Combination-saw. No. 1,108,382; Aug. 25; Gaz. vol. 205; p. 1118.
 Matson, Gustaf, Daisytown, Pa. Rat-trap. No. 1,122,291; Dec. 29; Gaz. vol. 209; p. 1339.
 Matson, John E., assignor to Sandusky Auto Parts & Motor Company, Sandusky, Ohio. Power-driven vehicle. No. 1,100,595; June 16; Gaz. vol. 203; p. 842.
 Matson, Julius J., Glenwood, Ill. Foot-pedal. No. 1,096,551; May 12; Gaz. vol. 202; p. 505.
 Matsudaira, Kinjiro, Washington, D. C. Thermometric fire-detector. No. 1,111,912; Sept. 29; Gaz. vol. 206; p. 1237.
 Matsuo, Itiro N., Chicago, Ill. Picture-mat and material for making same. No. 1,092,499; Apr. 7; Gaz. vol. 201; p. 131.
 Matteawan Manufacturing Company *et al.* (See Tweedy, Edmund, assignor.)
 Matter, Gustave O., assignor to J. W. Mackay, Portland, Oreg. Poison-bottle indicator. No. 1,086,724; Feb. 10; Gaz. vol. 199; p. 445.
 Matter, Oskar. (See Torley and Matter.)
 Mattern, Jesse, Tyrone, Pa. Rail-joint chair. No. 1,096,178; May 12; Gaz. vol. 202; p. 377.
 Mattern, William C., and W. Koch, Brooklyn, N. Y. Sash-fastener. No. 1,103,214; July 14; Gaz. vol. 204; p. 394.
 Mattes, Leo A., Berkeley, Cal. Cleaning and disinfecting powder for the removal of stains, incrustations, &c. No. 1,118,209; Nov. 24; Gaz. vol. 208; p. 1076.
 Matteson, Archibald G., Ventura, Cal. Automatic balancing device for flying-machines. No. 1,084,023; Jan. 13; Gaz. vol. 198; p. 283.
 Matteson, Archibald G., Los Angeles, Cal. Automatic balancing device for flying-machines. No. 1,084,024; Jan. 13; Gaz. vol. 198; p. 284.
 Matthew, Amos H. (See Prouty and Matthew.)
 Matthew, Amos H., Colville, Wash. Pole. No. 1,121,520; Dec. 15; Gaz. vol. 209; p. 995.
 Matthew, Amos H., assignor of one-fourth to J. B. Prouty, one-fourth to D. Meikle, one-eighth to A. Miller, and one-eighth to W. P. Townsend, Colville, Wash. Mower. No. 1,122,140; Dec. 22; Gaz. vol. 209; p. 1247.
 Matthew, Amos H., and J. B. Prouty, Colville, Wash. Safety device for ships. No. 1,102,533; July 7; Gaz. vol. 204; p. 109.
 Matthews, Albert, and A. Miller, Winnipeg, Manitoba, Canada. Water-heating appliance for automobiles. No. 1,121,741; Dec. 22; Gaz. vol. 209; p. 1108.
 Matthews, Arthur B. (See Matthews, Cranmer L. and A. B.)
 Matthews, Cranmer L. and A. B., assignors of one-fourth to E. B. Heistand, Houston, Tex. Oil-burner. No. 1,095,903; May 5; Gaz. vol. 202; p. 248.
 Matthews, David J., assignor of one-third to H. E. Brown, Seattle, Wash. Lavatory device. No. 1,083,887; Jan. 6; Gaz. vol. 198; p. 204.
 Matthews, Dudley A., Garden Valley, Tex. Automatic brake. No. 1,089,242; Mar. 3; Gaz. vol. 200; p. 195.
 Matthews, Edwin S., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Valve mechanism. No. 1,095,508; May 5; Gaz. vol. 202; p. 115.
 Matthews, Edwin S., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Elevator. No. 1,109,853; Sept. 8; Gaz. vol. 206; p. 392.
 Matthews, Frank J., and J. A. Johnston, Seattle, Wash. Trap or drain. No. 1,099,069; June 2; Gaz. vol. 203; p. 238.
 Matthews, George, Richmond, Ind. Seal for record-books. No. 1,114,279; Oct. 20; Gaz. vol. 207; p. 736.
 Matthews, George H., Uniontown, Pa. Fire-alarm system. No. 1,106,151; Aug. 4; Gaz. vol. 205; p. 198.

Alphabetical list of patentees—Continued.

- Matthews, Harry, and H. Holmes, Oakworth, near Keighley, England. Work-holder for metal-cutting machines. No. 1,084,352; Jan. 13; Gaz. vol. 198; p. 393.
- Matthews, Herbert C. (See Randolph and Matthews.)
- Matthews, James F., Pottersville, assignor of one-half to J. K. Lanning, Boston, Mass. Knot-tying implement. No. 1,094,915; Apr. 28; Gaz. vol. 201; p. 1087.
- Matthews, John E., Ashland, Ohio. Transfer means for doors. No. 1,098,516; June 2; Gaz. vol. 203; p. 56.
- Matthews, John H., Monticello, Iowa. Woven-wire clamp. No. 1,095,997; May 5; Gaz. vol. 202; p. 279.
- Matthews, John P., Crosby, Minn. Pump-valve. No. 1,084,867; Jan. 20; Gaz. vol. 198; p. 595.
- Matthews, Lewis C., assignor to Engman-Matthews Range Co., South Bend, Ind. Cook stove or range. No. 1,100,318; June 16; Gaz. vol. 203; p. 750.
- Matthews, Lewis T. B., Birmingham, England. Fireplace. No. 1,101,303; June 23; Gaz. vol. 203; p. 1143.
- Matthews, Luther, Paris, Tenn. Press. No. 1,088,435; Feb. 24; Gaz. vol. 199; p. 1133.
- Matthews, Robert H., Austin, Tex. Oil-burner. No. 1,095,904; May 5; Gaz. vol. 202; p. 248.
- Matthews, Thomas A., Nashville, Tenn. Delivery-cabinet. No. 1,091,856; Mar. 31; Gaz. vol. 200; p. 1257.
- Matthews, Thomas O., assignor to Jas. H. Mathews & Co., Pittsburgh, Pa. Stamp. No. 1,104,367; July 21; Gaz. vol. 204; p. 831.
- Matthews, William A. (See Jarman, George R., assignor.)
- Matthews, William J., Detroit, Mich. Traction gripping attachment for wheels. No. 1,091,004; Mar. 24; Gaz. vol. 200; p. 921.
- Matti, Hermann, Berne, Switzerland. Locking device for tongs or forceps. No. 1,106,518; Aug. 11; Gaz. vol. 205; p. 370.
- Matti, Max R., Falun, Sweden. Combustion-motor. No. 1,084,461; Jan. 13; Gaz. vol. 198; p. 427.
- Matti, Max R., Falun, Sweden. Valve-regulator for oil-engines. No. 1,101,652; June 30; Gaz. vol. 203; p. 1314.
- Mattice, Charles H., assignor of one-half to Adams Laundry Machinery Company, Troy, N. Y. Variable-speed counter-shafts. No. 1,121,854; Dec. 22; Gaz. vol. 209; p. 1150.
- Mattice, Charles H., assignor to Adams Laundry Machinery Company, Troy, N. Y. Tipping-machine. No. 1,122,968; Dec. 29; Gaz. vol. 209; p. 1574.
- Mattice, Charles H., assignor to Adams Laundry Machinery Company, Troy, N. Y. Washing-machine. No. 1,122,969; Dec. 29; Gaz. vol. 209; p. 1574.
- Mattice, Charles H., assignor to Adams Laundry Machinery Company, Troy, N. Y. Ironing-machine. No. 1,122,970; Dec. 29; Gaz. vol. 209; p. 1574.
- Mattingly, Owen F., Washington, D. C. Sifter. No. 1,089,777; Mar. 10; Gaz. vol. 200; p. 426.
- Mattison, Charles E., Lake Charles, La. Screen for doors and windows. No. 1,095,340; May 5; Gaz. vol. 202; p. 57.
- Mattman, Emil, Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Brush-lifting device for dynamo-electric machines. No. 1,089,142; Mar. 3; Gaz. vol. 200; p. 163.
- Mattman, Emil, Norwood, Ohio, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Adjustable end head for dynamo-electric machines. No. 1,122,213; Dec. 22; Gaz. vol. 209; p. 1272.
- Mattson, Frank A. (See Davison, Herriot, Spidy, and Mattson.)
- Mattson, Margaret A., Collingswood, N. J. Breast-shield. No. 1,094,158; Apr. 21; Gaz. vol. 201; p. 767.
- Mattson, Otto B., Craig, Nebr. Hay-sweep. No. 1,112,223; Sept. 29; Gaz. vol. 206; p. 1341.
- Matulis, John J. (See Sloan, John A., assignor.)
- Matzner, Gustave F., Minneapolis, Minn. Shoe-heel. No. 1,088,354; Feb. 24; Gaz. vol. 199; p. 1105.
- Mau, Karl, Forsthaus Kollhof, near Putbus, Germany. Automatic firearm with sliding barrel and a back-sight bar carrying the foresight. No. 1,100,596; June 16; Gaz. vol. 203; p. 842.
- Mauch, Wilhelm, and W. Koenig, Braddock, N. D. Rail-joint attachment. No. 1,111,395; Sept. 22; Gaz. vol. 206; p. 1018.
- Mauck, Victor, and J. E. Wentling, Conshohocken, Pa. Making metallic barrels. No. 1,095,014; Apr. 28; Gaz. vol. 201; p. 1123.
- Maucière, Pierre A. P. (See Rolland and Maucière.)
- Maul, Elwood F., West Philadelphia, Pa. Sash-fastener. No. 1,088,289; Feb. 24; Gaz. vol. 199; p. 1084.
- Maul, Henry C., assignor to The Michigan Stove Company, Detroit, Mich. Piping for gas-ranges. No. 1,088,789; Mar. 3; Gaz. vol. 200; p. 40.
- Maul, Henry C., assignor to The Michigan Stove Company, Detroit, Mich. Gas-stove. No. 1,089,422; Mar. 10; Gaz. vol. 200; p. 302.
- Maul, Henry C., assignor to The Michigan Stove Company, Detroit, Mich. Gas-broiler. No. 1,091,943; Mar. 31; Gaz. vol. 200; p. 1286.
- Maul, Margaret, *et al.* (See Swyers, Brice P., assignor.)
- Maulbeck, Sebastian. (See Hellmuth and Maulbeck.)
- Maull, Allen B., Baltimore, Md. Guide apparatus. No. 1,108,457; Aug. 25; Gaz. vol. 205; p. 1143.
- Maull, Allen B., Baltimore, Md. Chart or map. No. 1,110,217; Sept. 8; Gaz. vol. 206; p. 524.
- Maull, Edward N., assignor to J. P. Campbell, Jacksonville, Fla. Machine for washing fruit. No. 1,100,981; June 23; Gaz. vol. 203; p. 1032.
- Maull, Edward N., assignor to J. P. Campbell, Jacksonville, Fla. Fruit-drier. No. 1,101,304; June 23; Gaz. vol. 203; p. 1143.
- Maull, James L., Crescent City, Fla. Fruit-sorting machine. No. 1,114,499; Oct. 20; Gaz. vol. 207; p. 817.
- Maulson, Victor F. (See Weaver, Courtland W., assignor.)
- Maupin, Graves R., Moberly, Mo. Flue-cutter. No. 1,084,097; Jan. 13; Gaz. vol. 198; p. 308.
- Maupin, John D., H. E. Allen, and S. Baldwin, Teague, Tex. Switch stand and lock. No. 1,104,689; July 21; Gaz. vol. 204; p. 943.
- Mauran, Max, Niagara Falls, N. Y., assignor to Castner Electrolytic Alkali Co. Charging-valve for fluid-holding receptacles. No. 1,100,439; June 16; Gaz. vol. 203; p. 792.
- Maurer, Herman A., Rocklyn, Wash. Plow attachment. No. 1,091,151; Mar. 24; Gaz. vol. 200; p. 973.
- Maurer, John H., assignor of one-half to C. M. Winternitz, Baltimore, Md. Heating-oven. No. 1,111,913; Sept. 29; Gaz. vol. 206; p. 1237.
- Maurer, Karl A., Leipzig, assignor to Polyphon-Musikwerke Aktiengesellschaft, Wahren, near Leipzig, Germany. Graphophone and talking-machine. No. 1,099,458; June 9; Gaz. vol. 203; p. 417.
- Maurer, Lucas, Boston, Mass. Flying-machine. No. 1,119,710; Dec. 1; Gaz. vol. 209; p. 278.
- Maurino, Henry Q., Albuquerque, N. Mex. Concrete-mixer. No. 1,086,777; Feb. 10; Gaz. vol. 199; p. 464.
- Maus, Edward J., Joliet, Ill. Artificial bait. No. 1,109,439; Sept. 1; Gaz. vol. 206; p. 207.
- Maus, John M. (See Brantley, James A., assignor.)
- Mausser, Paul, Oberndorf-on-the-Neckar, Germany. Automatic firearm. No. 1,091,857; Mar. 31; Gaz. vol. 200; p. 1257.
- Mausser, Paul, Oberndorf-on-the-Neckar, Germany. Device for automatic firearms for shooting with blank cartridges. No. 1,092,157; Apr. 7; Gaz. vol. 201; p. 11.
- Mausser, Paul, Oberndorf-on-the-Neckar, Germany. Automatic firearm. No. 1,107,815; Aug. 18; Gaz. vol. 205; p. 873.
- Mauss, Wilhelm, Johannesburg, Transvaal, South Africa. Centrifugal separator. No. 1,111,600; Sept. 22; Gaz. vol. 206; p. 1089.
- Mauss, Wilhelm, Johannesburg, Transvaal, South Africa. Centrifugal separator. No. 1,115,852; Nov. 3; Gaz. vol. 208; p. 131.
- Maussner, Frederick, Philadelphia, Pa., assignor to Interlaced Curled Hair Company. Machine for interlacing curled hair. No. 1,104,368; July 21; Gaz. vol. 204; p. 832.
- Mauterer, Carl, Karlsruhe, Germany. Manufacture of an easily-digestible food from whole grain. No. 1,086,382; Feb. 10; Gaz. vol. 199; p. 325.
- Mauthberger, Elias, *et al.* (See Szeliga, Anton, assignor.)
- Mavor and Coulson. (See Mavor, Samuel M. and H. A., assignors.)
- Mavor, Henry A. (See Mavor, Samuel M. and H. A.)
- Mavor, Henry A., Glasgow, Scotland. Electric speed-controlling means. No. 1,092,797; Apr. 7; Gaz. vol. 201; p. 231.
- Mavor, Samuel M. and H. A., assignors to Mavor and Coulson, Limited, Glasgow, Scotland. Mining-machine. No. 1,100,597; June 16; Gaz. vol. 203; p. 843.
- Mawbey, John W., Worcester, Mass. Attachment for books and the like. No. 1,109,345; Sept. 1; Gaz. vol. 206; p. 174.
- Max Ams Machine Company. (See Brenzinger, Julius, assignor.)
- Max Machine Company. (See McCarty, Eugene J., assignor.)
- Maxfield, Nelson, Malone, Tex. Lamp-turning mechanism. No. 1,087,501; Feb. 17; Gaz. vol. 199; p. 766.
- Maxim, Hiram P., Hartford, Conn. Silencer for gas-engines, &c. No. 1,111,265; Sept. 22; Gaz. vol. 206; p. 974.
- Maxim, Hiram P., Hartford, Conn. Exhaust-silencer for engines. No. 1,115,853; Nov. 3; Gaz. vol. 208; p. 131.
- Maxim, Hiram P., Hartford, Conn., assignor to The Waverley Company, Indianapolis, Ind. Axle for motor-vehicles. No. 1,097,866; May 26; Gaz. vol. 202; p. 1049.
- Maxim, Hiram P., Hartford, Conn., assignor to The Waverley Company, Indianapolis, Ind. Driving-gearing for motor-vehicles. No. 1,103,978; July 21; Gaz. vol. 204; p. 698.
- Maxim, Hiram P., assignor to The Maxim Silencer Company, Hartford, Conn. Silencer for gas-engines, &c. No. 1,114,701; Oct. 20; Gaz. vol. 207; p. 882.
- Maxim, Hiram P., assignor to The Maxim Silencer Company, Hartford, Conn. Silencer for gas-engines, &c. No. 1,114,702; Oct. 20; Gaz. vol. 207; p. 883.
- Maxim, Hiram S., West Norwood, England. Apparatus for vacuum-cleaning. No. 1,101,558; June 30; Gaz. vol. 203; p. 1282.
- Maxim Silencer Company, The. (See Maxim, Hiram P., assignor.)
- Maximilian, Max, St. Louis, Mo. Fluid-actuated tool. No. 1,089,243; Mar. 3; Gaz. vol. 200; p. 196.

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- Maxwell, Bert C., assignor to J. Whiting, Jr., trustee, Canton, Ohio. Manifold-book. No. 1,105,571; July 28; Gaz. vol. 204; p. 1301.
- Maxwell, George E., Bronaugh, Mo. Upsetting attachment for vises. No. 1,087,388; Feb. 17; Gaz. vol. 199; p. 726.
- Maxwell, Howard, Schenectady, N. Y., assignor to General Electric Company. System of control. No. 1,089,659; Mar. 10; Gaz. vol. 200; p. 386.
- Maxwell, James R., Reidsville, N. C. Tobacco-press. No. 1,088,604; Feb. 24; Gaz. vol. 199; p. 1186.
- Maxwell, John H., Crewe, Va. Change-holder. No. 1,089,939; Mar. 10; Gaz. vol. 200; p. 484.
- Maxwell, Jonathan D., Tarrytown, N. Y. Sparking device for explosive-engines. No. 1,120,399; Dec. 8; Gaz. vol. 209; p. 555.
- Maxwell, Kemper A., Salem, W. Va. Tack or rivet setter. No. 1,122,525; Dec. 29; Gaz. vol. 209; p. 1418.
- Maxwell, Lawrence. (See Welin, Peter, assignor.)
- Maxwell Motor Company. (See Kelly, William, assignor.)
- Maxwell, Robert P., Prairie City, Ill. Street-sweeper and loader. No. 1,092,929; Apr. 14; Gaz. vol. 201; p. 311.
- Maxwell, Walter H., Cincinnati, Ohio. Account-book. No. 1,089,364; Mar. 3; Gaz. vol. 200; p. 235.
- May, Bernard H., Chicago, Ill. Perambulator or baby-car. No. 1,113,672; Oct. 13; Gaz. vol. 207; p. 481.
- May, David T., assignor to Western Electric Company, New York, N. Y. Lightning-arrester. No. 1,101,752; June 30; Gaz. vol. 203; p. 1347.
- May, David T., assignor to Western Electric Company, New York, N. Y. Flexible conductor. No. 1,116,090; Nov. 3; Gaz. vol. 208; p. 214.
- May, Edgar H., Holton, Kans. Carpet-cutting machine. No. 1,096,733; May 12; Gaz. vol. 202; p. 566.
- May, Ferdinand H., Montclair, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Motion-picture-projecting apparatus. No. 1,087,129; Feb. 17; Gaz. vol. 199; p. 634.
- May, Frank B., Wharton, Tex. Nutcracker. No. 1,108,920; Sept. 1; Gaz. vol. 206; p. 21.
- May, George E., Marshfield, Vt. Water-jacketed oven. No. 1,097,814; May 26; Gaz. vol. 202; p. 1031.
- May, Henry. (See Nelson, George F., assignor.)
- May, Julius, *et al.* (See Guidry, Ambrose J., assignor.)
- May, Julius A., Genoa, Ill. Vehicle-wheel. No. 1,119,092; Dec. 1; Gaz. vol. 209; p. 67.
- May, Samuel C., Modesto, Cal. Pier-protector. No. 1,092,731; Apr. 7; Gaz. vol. 201; p. 208.
- May, Victor, Chicago, Ill. Resilient heel. No. 1,112,635; Oct. 6; Gaz. vol. 207; p. 80.
- May, William H., Roane, Tex. Umbrella-holder. No. 1,095,905; May 5; Gaz. vol. 202; p. 248.
- Maybach, Wilhelm, Cannstatt, Germany. Internal-combustion engine. No. 1,092,930; Apr. 14; Gaz. vol. 201; p. 311.
- Maybach, Wilhelm, Cannstatt, Germany. Heat-exchanger. No. 1,120,956; Dec. 15; Gaz. vol. 209; p. 799.
- Maye, Edward, Barling, Ark. Revolving internal-combustion engine. No. 1,122,972; Dec. 29; Gaz. vol. 209; p. 1575.
- Mayer, Anton, Chicago, Ill. Controlling mechanism for airships. No. 1,083,550; Jan. 6; Gaz. vol. 198; p. 97.
- Mayer, Anton, Chicago, Ill. Controlling mechanism for airships. No. 1,120,957; Dec. 15; Gaz. vol. 209; p. 800.
- Mayer, Bertram, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Green vat dyestuffs and making same. No. 1,097,343; May 19; Gaz. vol. 202; p. 824.
- Mayer, Charles G., Jr., Durango, Colo. Crushing-mill. No. 1,110,218; Sept. 8; Gaz. vol. 206; p. 524.
- Mayer, Charles W., Rochester, N. Y. Power-loading wagon. No. 1,111,846; Sept. 29; Gaz. vol. 206; p. 1213.
- Mayer, Clarence H., Portland, Oreg. Combination shield and grip. No. 1,122,971; Dec. 29; Gaz. vol. 209; p. 1575.
- Mayer, F. A. (See Thomas, Charles A., assignor.)
- Mayer, Frank. (See Gates, William I., assignor.)
- Mayer, Frank A., Washington, D. C. Locomotive ash-pan. No. 1,103,424; July 14; Gaz. vol. 204; p. 463.
- Mayer, Godfried J., Buffalo, N. Y. Carbureter. No. 1,089,423; Mar. 10; Gaz. vol. 200; p. 302.
- Mayer, Heinrich, Arbon, Switzerland. Plate-spring for vehicles. No. 1,115,708; Nov. 3; Gaz. vol. 208; p. 83.
- Mayer, Heinrich, Dusseldorf, assignor to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-derendorf, Germany. Exploding shell. No. 1,096,734; May 12; Gaz. vol. 202; p. 566.
- Mayer, Herman, New York, N. Y. Rubber substitute. No. 1,094,580; Apr. 28; Gaz. vol. 201; p. 968.
- Mayer, Jacques, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,085,925; Feb. 3; Gaz. vol. 199; p. 122.
- Mayer, Jacques, and C. Muehleisen, Berlin, Germany, assignors to Mergenthaler Linotype Company. Matrix for linotype-machines. No. 1,105,204; July 28; Gaz. vol. 204; p. 1170.
- Mayer, John H., assignor to Humboldt Cement Products Mfg. Co., Humboldt, Iowa. Silo. No. 1,094,080; Apr. 21; Gaz. vol. 201; p. 740.
- Mayer, John H., assignor to Humboldt Cement Products Mfg. Co., Humboldt, Iowa. Silo-door. No. 1,106,662; Aug. 11; Gaz. vol. 205; p. 421.
- Mayer, Joseph A., Sr., Hurdland, Mo. Fence. No. 1,096,735; May 12; Gaz. vol. 202; p. 566.
- Mayer, Laurance, assignor to Julius Kayser & Co., New York, N. Y. Lady's undergarment. No. 1,106,663; Aug. 11; Gaz. vol. 205; p. 421.
- Mayer and Lavenson Company. (See Mayer, Moritz, assignor.)
- Mayer, Max. (See Wohl and Mayer.)
- Mayer, Max, Templehof, and B. Havas, Schoneberg, assignors to Chemisch-Metallurgische Industrie Gesellschaft mit beschränkter Haftung, Berlin, Germany. Enamels and making them. No. 1,104,266; July 21; Gaz. vol. 204; p. 796.
- Mayer, Moritz, New York, N. Y. Swinging sign. No. 1,089,143; Mar. 3; Gaz. vol. 200; p. 163.
- Mayer, Moritz, assignor to Mayer and Lavenson Company, New York, N. Y. Display-rack. No. 1,089,849; Mar. 10; Gaz. vol. 200; p. 450.
- Mayer, Morris, St. Louis, Mo. Humidor. No. 1,094,081; Apr. 21; Gaz. vol. 201; p. 740.
- Mayer, Rudolf. (See Bauer, Herre, and Mayer.)
- Mayer, Steven, New York, N. Y. Cuspidor. No. 1,105,362; July 28; Gaz. vol. 204; p. 1230.
- Mayer, Wilhelm, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Limber connection. No. 1,098,281; May 26; Gaz. vol. 202; p. 1195.
- Mayer, William C., Blackburn, Mo. Cushioning device for vehicles. No. 1,120,511; Dec. 8; Gaz. vol. 209; p. 594.
- Mayer, William E., assignor of one-half to C. E. Eagan, Pittsburgh, Pa. Device to protect fruit-trees from frost. No. 1,095,015; Apr. 28; Gaz. vol. 201; p. 1123.
- Mayer, William P. (See Kilmer, Melvin D., assignor.)
- Mayerle, George, San Francisco, Cal. Letter for signs. No. 1,089,003; Mar. 3; Gaz. vol. 200; p. 113.
- Mayers, Meyer, New York, N. Y. Skirt. No. 1,104,267; July 21; Gaz. vol. 204; p. 796.
- Mayers, Wilbur S., Fairmont, W. Va., assignor to The Jeffrey Manufacturing Company. Electric locomotive with automatic cable-reel. No. 1,100,139; June 16; Gaz. vol. 203; p. 688.
- Mayers, Wilbur S., Fairmont, W. Va., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Automatic cable reel. No. 1,100,140; June 16; Gaz. vol. 203; p. 688.
- Mayerson, Abi, Pueblo, Colo. Automobile pneumatic spring. No. 1,094,372; Apr. 21; Gaz. vol. 201; p. 835.
- Mayes, Frank W., Hopkinsville, Ky. Lineman's chair. No. 1,117,211; Nov. 17; Gaz. vol. 208; p. 686.
- Mayette, Edgar, Canisteo, and J. D. Mitchell; said Mitchell assignor of one-fourth to J. H. Mitchell, Hornell, N. Y. Basket. No. 1,105,205; July 28; Gaz. vol. 204; p. 1170.
- Mayfield, Octor, Granite, Okla. Railway-tie. No. 1,099,809; June 9; Gaz. vol. 203; p. 536.
- Mayland, Edwin S., New York, N. Y. Musical device. No. 1,100,898; June 23; Gaz. vol. 203; p. 1002.
- Maynard, Arthur H., Warwick, assignor to Boston Wire Stitcher Company, Warwick, R. I. Portable stapling-machine. No. 1,119,093; Dec. 1; Gaz. vol. 209; p. 68.
- Maynard, Joseph A. (See McAuliffe, John W., assignor.)
- Maynard, Joseph A., assignor of one-half to O. Brooks, Ravena, N. Y. Nut-lock. No. 1,101,461; June 23; Gaz. vol. 203; p. 1196.
- Maynard, Oliver E., Alexandria, Ind., assignor to Window Glass Machine Company, Pittsburgh, Pa. Glass-drawing apparatus. No. 1,114,897; Oct. 27; Gaz. vol. 207; p. 1006.
- Maynard, Oliver E., Arnold, assignor to Window Glass Machine Company, Pittsburgh, Pa. Glass-drawing apparatus. No. 1,114,898; Oct. 27; Gaz. vol. 207; p. 1007.
- Maynard, Oliver E., Arnold, assignor to Window Glass Machine Company, Pittsburgh, Pa. Drawing glass. No. 1,120,512; Dec. 8; Gaz. vol. 209; p. 594.
- Maynard, Theodore, Bellingham, Wash. Preserve-jar. No. 1,097,180; May 19; Gaz. vol. 202; p. 766.
- Mayo, Benjamin F., Salem, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Stop mechanism. No. 1,091,071; Mar. 24; Gaz. vol. 200; p. 945.
- Mayo, Benjamin F., Salem, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leveling-machine. No. 1,104,206; July 21; Gaz. vol. 204; p. 775.
- Mayo, Benjamin F., Salem, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-trimming machine. No. 1,104,915; July 28; Gaz. vol. 204; p. 1071.
- Mayo, Benjamin F., Salem, assignor to United Shoe Machinery Company, Boston, Mass. Machine for use in the manufacture of boots and shoes. No. 1,106,394; Aug. 11; Gaz. vol. 205; p. 322.
- Mayo, George D., Laconia, N. H. Knitting-machine. No. 1,107,816; Aug. 18; Gaz. vol. 205; p. 873.
- Mayo, Junius E., assignor to The Spirella Company, Meadville, Pa. Machine for attaching studs to strips. No. 1,084,218; Jan. 13; Gaz. vol. 198; p. 350.
- Mayo, Junius E., assignor to The Spirella Company, Meadville, Pa. Machine for attaching catch-plates to strips. No. 1,084,219; Jan. 13; Gaz. vol. 198; p. 350.

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- Mayo, Robert D. and R. D., assignors to H. S. Lavine, Cleveland, Ohio. Receptacle-holder. No. 1,108,598; Aug. 25; Gaz. vol. 205; p. 1194.
- Mayor, Enoch A., San Antonio, Tex. Piano-action. No. 1,091,858; Mar. 31; Gaz. vol. 200; p. 1258.
- Mays Accounting Machine Company. (See Mays, James F., assignor.)
- Mays, Charles, Philadelphia, Pa. Car-pusher. No. 1,105,525; July 28; Gaz. vol. 204; p. 1285.
- Mays, James F., Birmingham, Ala., assignor, by mesne assignments to Mays Accounting Machine Company, Asheville, N. C. Combined type-writer and calculator. No. 1,108,921; Sept. 1; Gaz. vol. 206; p. 21.
- Mays, James F., Birmingham, Ala., assignor, by mesne assignments, to Mays Accounting Machine Company, Asheville, N. C. Duplex calculator. No. 1,115,953; Nov. 3; Gaz. vol. 208; p. 166.
- Maytag Company, The. (See Snyder, Howard F., assignor.)
- Maytrott, Henry, assignor to The Hawthorne Manufacturing Company, Inc., Bridgeport, Conn. Bell. No. 1,108,103; Aug. 18; Gaz. vol. 205; p. 974.
- Mazellier, Léon A., St.-Pierre le Montier, France. Electric ignition-plug. No. 1,084,808; Jan. 20; Gaz. vol. 198; p. 575.
- Mazer, Alfred M., Jeannette, Pa. Apparatus for manufacturing sheet-glass. No. 1,118,665; Nov. 24; Gaz. vol. 208; p. 1237.
- Mazer, Joseph, McAlester, Okla. Winding-indicator. No. 1,108,508; Aug. 25; Gaz. vol. 205; p. 1162.
- Mazer, Joseph, McAlester, Okla. Winding-indicator. No. 1,108,509; Aug. 25; Gaz. vol. 205; p. 1163.
- Mazer, Joseph, McAlester, Okla. Winding-indicator. No. 1,108,510; Aug. 25; Gaz. vol. 205; p. 1163.
- Mazinski, Anton P., Jersey City, N. J. Non-refillable bottle. No. 1,094,002; Apr. 21; Gaz. vol. 201; p. 715.
- Mazur, Antoni, New York Mills, N. Y. Rail-joint. No. 1,108,200; Aug. 25; Gaz. vol. 205; p. 1055.
- Mazur, Antoni, Natalie, Pa. Nut-lock. No. 1,121,028; Dec. 15; Gaz. vol. 209; p. 824.
- Mazzeo, Salvatore, assignor to The Prsco Manufacturing Company, Cleveland, Ohio. Lamp. No. 1,088,830; Mar. 3; Gaz. vol. 200; p. 54.
- Mazzolini, Giuseppe, Rome, Italy. Means for removing coal and other foreign bodies from coal-bunker doors or other water-tight closures on ships. No. 1,084,701; Jan. 20; Gaz. vol. 198; p. 539.
- McAdam, Joseph P., Fort Myer, Va., assignor to M. McDonald, Washington, D. C. Cigarette-case. No. 1,086,065; Feb. 3; Gaz. vol. 199; p. 175.
- McAdams, Lewis C., and G. S. Robinson; said Robinson assignor to D. Carpenter, Los Angeles, Cal. Automatic danger-signal for railways. No. 1,113,455; Oct. 13; Gaz. vol. 207; p. 407.
- McAdams, William A., Bay Shore, N. Y. Aluminum alloy. No. 1,092,500; Apr. 7; Gaz. vol. 201; p. 131.
- McAdams, William A., Bay Shore, N. Y. Aluminum alloy and producing the same. No. 1,095,653; May 5; Gaz. vol. 202; p. 164.
- McAdams, William A., Bay Shore, N. Y. Aluminum alloy. No. 1,099,561; June 9; Gaz. vol. 203; p. 453.
- McAdams, William A., Bay Shore, N. Y. Aluminum alloy. No. 1,104,369; July 21; Gaz. vol. 204; p. 832.
- McAdams, William A., Bay Shore, N. Y. Aluminum alloy and producing the same. No. 1,121,267; Dec. 15; Gaz. vol. 209; p. 908.
- McAdams, William A., Bay Shore, N. Y. Aluminum alloy. No. 1,121,268; Dec. 15; Gaz. vol. 209; p. 908.
- McAdams, William A., Bay Shore, N. Y. Aluminum alloy. No. 1,121,269; Dec. 15; Gaz. vol. 209; p. 908.
- McAfee, Almer M., Rayonne, N. J. Manufacture of aluminum chlorid. No. 1,099,096; June 2; Gaz. vol. 203; p. 247.
- McAlear, James, St. Paul, Minn. Heating system. No. 1,122,781; Dec. 29; Gaz. vol. 209; p. 1507.
- McAlece, Earl A., Dubuque, Iowa. Broken-flange detector for car-wheels. No. 1,101,462; June 23; Gaz. vol. 203; p. 1196.
- McAlister, Peter. (See Engelhardt and McAlister.)
- McAll, Henry W., Toronto, Ontario, Canada. Templet for drawing railway switches and crossovers. No. 1,105,809; Aug. 4; Gaz. vol. 205; p. 78.
- McAll, Henry W., Toronto, Ontario, Canada. Lettering-templet. No. 1,105,810; Aug. 4; Gaz. vol. 205; p. 79.
- McAllister, Archie T., and H. Dippel, Philadelphia, Pa. Hanger for concrete work. No. 1,088,290; Feb. 24; Gaz. vol. 199; p. 1085.
- McAllister, George W., San Francisco, Cal. Rotary drill. No. 1,113,132; Oct. 6; Gaz. vol. 207; p. 248.
- McAllister, John A., Madison, S. D. Automatic latch for gates. No. 1,117,877; Nov. 17; Gaz. vol. 208; p. 921.
- McAllum, Calvin D., De Kalb, Miss. Syringe. No. 1,115,224; Oct. 27; Gaz. vol. 207; p. 1124.
- McAllum, William F., *et al.* (See Friend, John E., assignor.)
- McAndrews, William H., Chicago, Ill. Carbureter. No. 1,093,343; Apr. 14; Gaz. vol. 201; p. 453.
- McAnelly, Homer H., Chicago, Ill. Camera-shutter. No. 1,088,291; Feb. 24; Gaz. vol. 199; p. 1085.
- McAneny, Michael, St. Louis, Mo., assignor to Handilite Manufacturing Company. Cigar-lighter. No. 1,103,307; July 14; Gaz. vol. 204; p. 425.
- McAneny, Michael J., St. Louis, Mo., assignor to Handilite Manufacturing Company. Cigar-lighter. No. 1,096,736; May 12; Gaz. vol. 202; p. 567.
- McArdle, Edward J., Chicago, Ill. Steam-heating system. No. 1,092,845; Apr. 14; Gaz. vol. 201; p. 284.
- McArdle, Frank. (See Card and McArdle.)
- McArthur, Alexander C., Grafton, New South Wales, Australia. Adjustable curtain-pole bracket. No. 1,121,384; Dec. 15; Gaz. vol. 209; p. 948.
- McArthur, Andrew, and W. Percy, Lone Tree, Wash. Reamer. No. 1,111,396; Sept. 22; Gaz. vol. 206; p. 1019.
- McArthur, Charles D., assignor to The Blaw Collapsible Steel Centering Company, Pittsburgh, Pa. Collapsible telescoping form. No. 1,108,201; Aug. 25; Gaz. vol. 205; p. 1055.
- McArthur, Donald R., assignor of two-thirds to E. W. Tait, Bradford, Pa. Making a hydrocarbon liquid suitable for use in internal-combustion engines. No. 1,119,974; Dec. 8; Gaz. vol. 209; p. 405.
- McArthur, Mary J., Cleveland, Ohio. Ship's ladder. No. 1,098,391; June 2; Gaz. vol. 203; p. 12.
- McAtee, John R., Rolla, assignor of one-half to W. A. McAtee, Springfield, Mo. Grain-scouring machine. No. 1,097,815; May 26; Gaz. vol. 202; p. 1032.
- McAtee, Mirt L., Mountain View, Okla. Weeder. No. 1,092,377; Apr. 7; Gaz. vol. 201; p. 87.
- McAtee, William A. (See McAtee, John R., assignor.)
- McAulay, Chester B., assignor to The Pelton Water Wheel Company, San Francisco, Cal. Unloader-valve. No. 1,110,567; Sept. 15; Gaz. vol. 206; p. 687.
- McAuliffe, F. M., *et al.* (See Byrnes, John F., assignor.)
- McAuliffe, John W., New York, N. Y. Lavatory or sink. No. 1,107,817; Aug. 18; Gaz. vol. 205; p. 874.
- McAuliffe, John W., New York, N. Y., assignor to J. A. Maynard, Boston, Mass. Sanitary trap. No. 1,085,055; Jan. 20; Gaz. vol. 198; p. 657.
- McAuliffe, Thomas H., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,103,979; July 21; Gaz. vol. 204; p. 699.
- McAuslin, David, Dunedin, New Zealand. Boot and the like. No. 1,100,758; June 23; Gaz. vol. 203; p. 953.
- McAuvie, Frank A. (See Weise and McAuvie.)
- McAvoy, Frank J., assignor to London Auto Supply Co., Chicago, Ill. Detachable limousine-body. No. 1,103,599; July 14; Gaz. vol. 204; p. 526.
- McAvoy, Thomas E. (See Horton and McAvoy.)
- McBerty, Frank R. (See Scribner and McBerty.)
- McBerty, Frank R., Antwerp, Belgium, assignor to Western Electric Company, New York, N. Y. Automatic switch. No. 1,085,454; Jan. 27; Gaz. vol. 198; p. 830.
- McBerty, Frank R., Antwerp, Belgium, assignor to Western Electric Company, New York, N. Y. Control system for automatic telephone-switches. No. 1,100,385; June 16; Gaz. vol. 203; p. 773.
- McBerty, Frank R., Antwerp, Belgium, assignor to Western Electric Company, New York, N. Y. Automatic call-distributor system. No. 1,110,809; Sept. 15; Gaz. vol. 206; p. 772.
- McBerty, Frank R., New Rochelle, assignor to Western Electric Company, New York, N. Y. Selector-switch for automatic telephone-exchanges. No. 1,097,867; May 26; Gaz. vol. 202; p. 1049.
- McBerty, Frank R., New Rochelle, assignor to Western Electric Company, New York, N. Y. Automatic telephone-exchange selector. No. 1,097,868; May 26; Gaz. vol. 202; p. 1050.
- McBerty, Frank R., New Rochelle, assignor to Western Electric Company, New York, N. Y. Automatic telephone-system selector. No. 1,097,927; May 26; Gaz. vol. 202; p. 1072.
- McBerty, Frank R., New Rochelle, assignor to Western Electric Company, New York, N. Y. Telephone-transmitter. No. 1,102,600; July 7; Gaz. vol. 204; p. 133.
- McBerty, Frank R., New Rochelle, N. Y., assignor to Western Electric Company, Chicago, Ill. Cable and forming and connecting the same. No. 1,104,061; July 21; Gaz. vol. 204; p. 727.
- McBerty, Frank R., New Rochelle, N. Y., assignor to Western Electric Company, Chicago, Ill. Wiring system for telephone-exchanges. No. 1,104,062; July 21; Gaz. vol. 204; p. 727.
- McBerty, Frank R., New Rochelle, N. Y., assignor to Western Electric Company, Chicago, Ill. Sequence-switch. No. 1,105,811; Aug. 4; Gaz. vol. 205; p. 79.
- McBerty, Frank R., New Rochelle, assignor to Western Electric Company, New York, N. Y. Printing-telegraph. No. 1,107,336; Aug. 18; Gaz. vol. 205; p. 703.
- McBerty, Frank R., New Rochelle, assignor to Western Electric Company, New York, N. Y. Relay. No. 1,107,536; Aug. 18; Gaz. vol. 205; p. 774.
- McBerty, Frank R., New Rochelle, assignor to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,108,383; Aug. 25; Gaz. vol. 205; p. 1119.

Alphabetical list of patentees—Continued.

- McBerty, Frank R., New Rochelle, assignor to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,109,686; Sept. 8; Gaz. vol. 206; p. 334.
- McBerty, Frank R., New Rochelle, N. Y., assignor to Western Electric Company, Chicago, Ill. Automatic telephone-exchange apparatus. No. 1,117,212; Nov. 17; Gaz. vol. 208; p. 687.
- McBerty, Frank R., New Rochelle, assignor to Western Electric Company, New York, N. Y. Automatic trunk signaling system. No. 1,117,511; Nov. 17; Gaz. vol. 208; p. 792.
- McBerty, Frank R., New Rochelle, and A. H. Adams, Sparkhill, assignors to Western Electric Company, New York, N. Y. Printing-telegraph system. No. 1,090,868; Mar. 24; Gaz. vol. 200; p. 874.
- McBerty, Frederick P., assignor to The National Electric Welder Company, Warren, Ohio. Electric spot-welding machine. No. 1,098,632; June 2; Gaz. vol. 203; p. 95.
- McBride, Albert P., Independence, Kans. Rope-socket. No. 1,094,668; Apr. 28; Gaz. vol. 201; p. 1002.
- McBride, Henry P., Chicago, Ill. Insulating-joint. No. 1,102,775; July 7; Gaz. vol. 204; p. 194.
- McBride, John H., *et al.* (See Wigle, Wilson B., assignor.)
- McBride, Patrick L., Gorham, Me. Carding-engine. No. 1,087,130; Feb. 17; Gaz. vol. 199; p. 634.
- McBride, William E. (See McBride, Wilson D. and W. E.)
- McBride, William F., Warsaw, Ind. Artificial bait. No. 1,110,956; Sept. 15; Gaz. vol. 206; p. 824.
- McBride, Wilson D., and I. E. Hoover, Pittsburgh, Pa. Scale. No. 1,095,341; May 5; Gaz. vol. 202; p. 57.
- McBride, Wilson D. and W. E., Pittsburgh, Pa. Computing-scale. No. 1,118,666; Nov. 24; Gaz. vol. 208; p. 1237.
- McBryar, William D., *et al.* (See Schroyer, Martin, assignor.)
- McCabe, Bernard J., Detroit, Mich. Umbrella. No. 1,109,854; Sept. 8; Gaz. vol. 206; p. 393.
- McCabe, Edward, Granite City, Ill. Metallurgical furnace. No. 1,109,241; Sept. 1; Gaz. vol. 206; p. 137.
- McCabe, Edward L., Chicago, Ill., assignor to Linn-McCabe Company. Sanitary drinking mechanism. No. 1,083,453; Jan. 6; Gaz. vol. 198; p. 65.
- McCabe, Horace B., Chicago, Ill., assignor to Gisholt Machine Company, Madison, Wis. Attachment for regulating time-recording registers. No. 1,104,125; July 21; Gaz. vol. 204; p. 748.
- McCabe, Horace B., Chicago, Ill., assignor to Gisholt Machine Company, Madison, Wis. Time-controlled electric switch and recording-register. No. 1,117,213; Nov. 17; Gaz. vol. 208; p. 687.
- McCabe, Hugh, Lawrence, Mass. Oil-heater. No. 1,099,989; June 16; Gaz. vol. 203; p. 635.
- McCabe, Nicholas, Waterville, N. Y. Combination wire-stretcher, staple-holder, and staple-puller. No. 1,101,559; June 30; Gaz. vol. 203; p. 1282.
- McCabe, Thomas, Homestead, Pa. Cranking device. No. 1,087,800; Feb. 17; Gaz. vol. 199; p. 869.
- McCaddon, William E., assignor of one-half to H. M. De Witt, Denver, Colo. Producing cream. No. 1,087,599; Feb. 17; Gaz. vol. 199; p. 799.
- McCaddon, William E., assignor to H. M. De Witt, Denver, Colo. Apparatus for producing cream. No. 1,094,082; Apr. 21; Gaz. vol. 201; p. 740.
- McCaffrey, Frank C., Burlington, Vt. Electric whistle-blowing apparatus. No. 1,086,196; Feb. 3; Gaz. vol. 199; p. 218.
- McCahey, Edward D., Seattle, Wash. Shirt-protector. No. 1,110,701; Sept. 15; Gaz. vol. 206; p. 736.
- McCain, Ellsworth L., Detroit, Mich. Safety-razor. No. 1,103,904; July 14; Gaz. vol. 204; p. 631.
- McCain, George L., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,100,083; June 16; Gaz. vol. 203; p. 669.
- McCain, George L., assignor to Packard Motor Car Company, Detroit, Mich. Shifter mechanism. No. 1,119,362; Dec. 1; Gaz. vol. 209; p. 159.
- McCain, John C., Tacoma, Wash. Supporting-bracket for dispensing-bottles. No. 1,091,365; Mar. 24; Gaz. vol. 200; p. 1042.
- McCain, Paul H., assignor to Pheoll Manufacturing Company, Chicago, Ill. Shaping nut-blanks. No. 1,087,313; Feb. 17; Gaz. vol. 199; p. 699.
- McCall, Clarence M., Marion, N. C. Draining hose-reel. No. 1,115,325; Oct. 27; Gaz. vol. 207; p. 1157.
- McCall, Daniel, Moscow, Tex. Coffee-parcher. No. 1,096,179; May 12; Gaz. vol. 202; p. 377.
- McCall, Jerome F., Philadelphia, Pa. Box. No. 1,104,063; July 21; Gaz. vol. 204; p. 728.
- McCall, Thaddeus D., Chicago, Ill. Cooking vessel. No. 1,093,282; Apr. 14; Gaz. vol. 201; p. 433.
- McCall, Thomas A., assignor to The National Automatic Typewriter Company, Cincinnati, Ohio. Perforating-machine. No. 1,083,290; Jan. 6; Gaz. vol. 198; p. 11.
- McCall, Thomas A., assignor to The National Automatic Typewriter Company, Cincinnati, Ohio. Envelop-feeding attachment. No. 1,101,806; June 30; Gaz. vol. 203; p. 1367.
- McCall, Thomas E., Wilmington, Del. Smoke-consumer nozzle. No. 1,099,990; June 16; Gaz. vol. 203; p. 635.
- McCall, Thomas E., Wilmington, Del. Ash-pit dumper. No. 1,100,982; June 23; Gaz. vol. 203; p. 1033.
- McCallister, Charles L., *et al.* (See Harrison, John, assignor.)
- McCallum, Angus, Pontiac, Mich. Road-scraper. No. 1,112,713; Oct. 6; Gaz. vol. 207; p. 108.
- McCallum, George L., Crosby, Pa. Door-hanger track. No. 1,111,661; Sept. 22; Gaz. vol. 206; p. 1110.
- McCandless, Frank J., Allerton, Iowa. Packed moving part. No. 1,085,351; Jan. 27; Gaz. vol. 198; p. 798.
- McCandless, Joseph E., Waxahachie, Tex. Cultivator-hopper. No. 1,085,623; Feb. 3; Gaz. vol. 199; p. 15.
- McCann, Charles A., New York, N. Y. Comb. No. 1,107,537; Aug. 18; Gaz. vol. 205; p. 775.
- McCann, James T. (See Gruwell and McCann.)
- McCann, John J. (See Bryant and McCann.)
- McCanna, John F., assignor to Imperial Brass Manufacturing Company, Chicago, Ill. Sight-feed lubricator. No. 1,095,654; May 5; Gaz. vol. 202; p. 164.
- McCanna, John F., assignor to Imperial Brass Manufacturing Company, Chicago, Ill. Link-and-lever connection. No. 1,102,776; July 7; Gaz. vol. 204; p. 194.
- McCanna, John F., assignor to Imperial Brass Manufacturing Company, Chicago, Ill. Force-feed lubricator. No. 1,107,220; Aug. 11; Gaz. vol. 205; p. 614.
- McCard, Clair, Divide, Wyo. Pipe-clamp. No. 1,105,336; July 28; Gaz. vol. 204; p. 1218.
- McCarrell, Emmett, Bedford, Ind. Sample-displaying device. No. 1,119,087; Dec. 1; Gaz. vol. 209; p. 66.
- McCarroll, Edward W., Pittsburgh, Pa. Vehicle-jack. No. 1,087,250; Feb. 17; Gaz. vol. 199; p. 678.
- McCarroll, Frank, Dallas, Tex. Running-gear for aeroplanes. No. 1,097,816; May 26; Gaz. vol. 202; p. 1032.
- McCarroll, Walker W., Arlington, N. J. Machine for rectifying electrotypes. No. 1,109,855; Sept. 8; Gaz. vol. 206; p. 393.
- McCarroll, Walker W., Arlington, N. J. Machine for rectifying electrotypes. No. 1,109,856; Sept. 8; Gaz. vol. 206; p. 394.
- McCarroll, Walker W., Arlington, N. J. Machine for rectifying electrotypes. No. 1,112,544; Oct. 6; Gaz. vol. 207; p. 47.
- McCarter, Milton, Colfax, Ind. Fence-clamp. No. 1,109,172; Sept. 1; Gaz. vol. 206; p. 113.
- McCarthy, Charles J., Waterbury, Conn. Meat-slicer. No. 1,086,680; Feb. 10; Gaz. vol. 199; p. 429.
- McCarthy, Daniel J., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Automatic block-signaling system. (Reissue.) No. 13,693; Mar. 3; Gaz. vol. 200; p. 241.
- McCarthy, Florens, Brooklyn, N. Y. Combination-lock. No. 1,092,733; Apr. 7; Gaz. vol. 201; p. 209.
- McCarthy, Jeremiah H. (See Ford, John W., assignor.)
- McCarthy, John H., Stafford Springs, Conn. Signal device. No. 1,092,732; Apr. 7; Gaz. vol. 201; p. 208.
- McCarthy, John S. (See Lonskey and McCarthy.)
- McCarthy, Joseph F., assignor of one-half to W. T. Brown, Jr., Philadelphia, Pa. Signal apparatus for elevators. No. 1,097,344; May 19; Gaz. vol. 202; p. 824.
- McCarthy, Robert H., Madelia, Minn. Rail-joint. No. 1,111,484; Sept. 22; Gaz. vol. 206; p. 1049.
- McCarthy, Terrence. (See Button, William N., assignor.)
- McCarthy, William M., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,088,831; Mar. 3; Gaz. vol. 200; p. 54.
- McCarty, Charles D., Wheeling, W. Va. Plumb. No. 1,086,679; Feb. 10; Gaz. vol. 199; p. 429.
- McCarty, Charles H., Wellington, Colo. Latch device for irrigating dividing-boxes. No. 1,111,914; Sept. 29; Gaz. vol. 206; p. 1237.
- McCarty, Edward W. (See Daly, John J., assignor.)
- McCarty, Edward W. (See Skeiton, Frederick and W. E., assignors.)
- McCarthy, Eugene J., assignor to Max Machine Company, Clinton, Mass. Boiler-plug. No. 1,101,084; June 23; Gaz. vol. 203; p. 1069.
- McCarthy, Eugene J., assignor to T. J. McNamara, Clinton, Mass. Trolley-harp. No. 1,107,818; Aug. 18; Gaz. vol. 205; p. 874.
- McCarthy, Frank L., Superior, assignor of one-half to W. J. Hallett, Rock Springs, Wyo. Lubricating-wheel. No. 1,105,033; July 28; Gaz. vol. 204; p. 1111.
- McCaskell, Jasper A., Salt Lake City, Utah. Mine-car lubrication. No. 1,105,363; July 28; Gaz. vol. 204; p. 1230.
- McCaskey, Perry A., Lakewood, Ohio. Cooker. No. 1,093,003; Apr. 14; Gaz. vol. 201; p. 336.
- McCaskey, Perry A., Lakewood, Ohio. Account-filing device. No. 1,106,051; Aug. 4; Gaz. vol. 205; p. 163.
- McCaskey, Perry A., Alliance, and S. E. Fouts, East Cleveland, assignors to The McCaskey Register Company, Alliance, Ohio. Accounting and filing apparatus. No. 1,092,158; Apr. 7; Gaz. vol. 201; p. 11.
- McCaskey Register Company, The. (See Dillin, Dudley F., assignor.)
- McCaskey Register Company, The. (See Hick, Harry J., assignor.)
- McCaskey Register Company, The. (See McCaskey and Fouts, assignors.)
- McCaskey Register Company, The. (See Moseley, Emerson B., assignor.)
- McCaskey Register Company, The. (See Saxton, Thomas G., assignor.)

Alphabetical list of patentees—Continued.

- McCasky Register Company, The. (See Silvius, Ellis T., assignor.)
- McCasky Register Company, The. (See Weldy, Arthur S., assignor.)
- McCasky Register Company, The. (See Wildman, Joseph E., assignor.)
- McCaskill, Oscar E., Fort Worth, Tex. Involuting drawing instrument. No. 1,106,883; Aug. 11; Gaz. vol. 205; p. 497.
- McCaul, Philip, assignor of one-half to M. T. Hartson, Tacoma, Wash. Repair chain-link. No. 1,085,455; Jan. 27; Gaz. vol. 198; p. 831.
- McCauley, Albert J., assignor of one-half to C. A. Garvey, St. Louis, Mo. Stencil and making the same. No. 1,098,745; June 2; Gaz. vol. 203; p. 133.
- McCauley, Charles E., *et al.* (See Monzaney, John, assignor.)
- McCauley, Daniel J. (See Gaskill, Harry W., assignor.)
- McCauley, William R., Lurgan, assignor to Henry Matier & Company Limited, Belfast, Ireland. Punch attachment for hemstitch-machines. No. 1,109,857; Sept. 8; Gaz. vol. 206; p. 394.
- McCauley, Eli S. (See Ray and McCauley.)
- McCausland, George H., Philadelphia, Pa. Baker's oven. No. 1,101,305; June 23; Gaz. vol. 203; p. 1143.
- McCausland, S. Douglas. (See Ruhl, Cay, assignor.)
- McCay, Campbell E., Essendon, Victoria, Australia. Combined elevator and conveyer. No. 1,121,742; Dec. 22; Gaz. vol. 209; p. 1109.
- McChesney, James B., St. Louis, Mo. Permutation-padlock. No. 1,094,735; Apr. 28; Gaz. vol. 201; p. 1026.
- McClain, Arthur E., Cincinnati, assignor to The American Pad & Textile Company, Greenfield, Ohio. Pad-stuffing machine. No. 1,112,545; Oct. 6; Gaz. vol. 207; p. 47.
- McClain, Edward L., Greenfield, Ohio. Horse-pad. No. 1,119,094; Dec. 1; Gaz. vol. 209; p. 68.
- McClain, John M., Boville, Idaho. Harrow. No. 1,119,975; Dec. 8; Gaz. vol. 209; p. 405.
- McClaskey, Franklin J., Pittsburgh, Pa. Composite roofing. No. 1,110,330; Sept. 15; Gaz. vol. 206; p. 603.
- McClatchey, Augustus F., Aurora, assignor of one-half to J. E. Cagney, Chicago, Ill. Metallic power-belt. No. 1,096,851; May 19; Gaz. vol. 202; p. 649.
- McClave-Brooks Company. (See McClave, William, assignor.)
- McClave, William, assignor to McClave-Brooks Company, Scranton, Pa. Anthracite-burning grate for furnaces. No. 1,105,572; July 28; Gaz. vol. 204; p. 1301.
- McClea, John S. (See Fowler and McClea.)
- McClearn, James W. (See Farnum, Frederick T., assignor.)
- McCleary, Edward L., *et al.* (See Sawtelle, Charles A., assignor.)
- McClellan, Benjamin S., Chicago, Ill. Metallic sash. No. 1,092,931; Apr. 14; Gaz. vol. 201; p. 312.
- McClellan, Edward J., New York, N. Y., assignor to The Garvin Machine Company, Lathe. No. 1,085,146; Jan. 27; Gaz. vol. 198; p. 725.
- McClelland, Edward S., and W. A. Bole, assignors, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Cylinder-head for gas-engines. No. 1,083,454; Jan. 6; Gaz. vol. 198; p. 66.
- McClelland, George W. (See Long, Sidney L., assignor.)
- McClelland, James, Carson City, assignor to J. H. Diepenbrock and R. G. Walker, Grand Rapids, Mich. Whiffle-tree-hook. No. 1,117,415; Nov. 17; Gaz. vol. 208; p. 758.
- McClelland, Thomas, Jr., Cathcart, near Glasgow, Scotland. Apparatus for heating, evaporating, volatilizing, or distilling liquids by electricity. No. 1,121,743; Dec. 22; Gaz. vol. 209; p. 1109.
- McClellon, James M., Everett, Mass. Locomotive-boiler. No. 1,084,555; Jan. 13; Gaz. vol. 198; p. 459.
- McClellon, James M., Everett, Mass. Condenser for locomotives. No. 1,093,942; Apr. 21; Gaz. vol. 201; p. 693.
- McClellon, James M., Everett, Mass. Fire-box construction. No. 1,105,526; July 28; Gaz. vol. 204; p. 1285.
- McClellon, James M., Everett, Mass. Fire-box for boilers. No. 1,111,266; Sept. 22; Gaz. vol. 206; p. 975.
- McClellon, James M., Everett, Mass. Fire-box, &c. No. 1,111,267; Sept. 22; Gaz. vol. 206; p. 975.
- McClellon, James M., Everett, assignor to Mead-Morrison Manufacturing Company, Cambridgeport, Mass. Cable-railway. No. 1,096,931; May 19; Gaz. vol. 202; p. 678.
- McClellon, James M., Everett, assignor to Mead-Morrison Manufacturing Company, Cambridgeport, Mass. Cable-railway. No. 1,096,932; May 19; Gaz. vol. 202; p. 678.
- McClintock, Charles, and L. McTurnan, Elwood, Ind. Dust-collecting eraser. No. 1,092,535; Apr. 7; Gaz. vol. 201; p. 142.
- McClintock, Frank, Grand Junction, Colo., assignor to The Glenn Voting Machine Company, Cedar Rapids, Iowa. Voting-machine. No. 1,117,074; Nov. 10; Gaz. vol. 208; p. 599.
- McClintock, J. Y., Rochester, N. Y. Making pavements. (Reissue.) No. 13,785; Aug. 4; Gaz. vol. 205; p. 266.
- McClintock, William, New York, N. Y. Fire-hose rack. No. 1,109,346; Sept. 1; Gaz. vol. 206; p. 174.
- McClintock, William, New York, N. Y. Oil-separator. No. 1,116,903; Nov. 10; Gaz. vol. 208; p. 540.
- McCloskey, George M., New York, N. Y. Closet connection. No. 1,106,726; Aug. 11; Gaz. vol. 205; p. 443.
- McCloskey, John, Boston, Mass. Water-heater. No. 1,105,678; Aug. 4; Gaz. vol. 205; p. 31.
- McCloskey, John T., Dayton, Ohio. Tobacco stemming and booking machine. No. 1,116,719; Nov. 10; Gaz. vol. 208; p. 474.
- McCloud, Edward H., Columbus, Ohio. Automatic fire-shutter. No. 1,118,033; Nov. 24; Gaz. vol. 208; p. 1014.
- McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Fireproof shutter or curtain. No. 1,083,551; Jan. 6; Gaz. vol. 198; p. 97.
- McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Flexible fire-resisting shutter and slats therefor. No. 1,101,865; June 30; Gaz. vol. 203; p. 1387.
- McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Channel for fire-shutters. No. 1,105,087; July 28; Gaz. vol. 204; p. 1131.
- McCloud, Joseph F. (See Umphrey and McCloud.)
- McCloy, Richard, Lynn Haven, Fla. Seed-germinator and plant-forcer. No. 1,109,687; Sept. 8; Gaz. vol. 206; p. 335.
- McClung, Emory, Clarksburg, W. Va. Display attachment for doors. No. 1,096,444; May 12; Gaz. vol. 202; p. 469.
- McClung, Lee. (See Doll, William F., assignor.)
- McClure, Adolphus C., Keithville, La. Repeating firearm. No. 1,110,702; Sept. 15; Gaz. vol. 206; p. 736.
- McClure, Albert A., *et al.* (See Anderson, Charles O., assignor.)
- McClure, Edgar R., Los Angeles, Cal. Milk-cooler. No. 1,086,302; Feb. 3; Gaz. vol. 199; p. 251.
- McClure, Edward, assignor of one-half to F. P. Smith, Chicago, Ill. Window-sash. No. 1,093,587; Apr. 14; Gaz. vol. 201; p. 530.
- McClure, Edward E., and A. J. Wolff, assignors to Portland Iron Works, Portland, Oreg. Key-operated actuating mechanism for engine-gangs. No. 1,102,419; July 7; Gaz. vol. 204; p. 70.
- McClure, Edward S., *et al.* (See Hook, William, assignor.)
- McClure, Harry K., Elk Lick, Pa. Shock-absorber. No. 1,122,292; Dec. 29; Gaz. vol. 209; p. 1339.
- McClure, John C., Lawton, Okla. Oil-burner. No. 1,116,603; Nov. 10; Gaz. vol. 208; p. 433.
- McClure, John R., assignor to The Nye Tool and Machine Works, Chicago, Ill. Die-threading machine. No. 1,096,257; May 12; Gaz. vol. 202; p. 406.
- McClure, Joseph C. (See Lindmueller, Edward, assignor.)
- McClure, L. W. (See Ashcraft, Wendell J., assignor.)
- McClymont, Bryce W., assignor to Penberthy Injector Co., Detroit, Mich. Ejector. No. 1,105,985; Aug. 4; Gaz. vol. 205; p. 139.
- McColeman, Arthur D., assignor of one-half to R. Lesway, Gladstone, and one-half to A. T. Hoffman, Escanaba, Mich. Cattle-guard. No. 1,085,456; Jan. 27; Gaz. vol. 198; p. 831.
- McCull, Francis P., St. Andrews, New Brunswick, Canada, assignor to American Key Can Company, Chicago, Ill. Soldering-machine. No. 1,103,067; July 14; Gaz. vol. 204; p. 341.
- McCull, Francis P., Eastport, Me., assignor to American Key Can Company, Chicago, Ill. Feeding mechanism for can parts. No. 1,106,575; Aug. 11; Gaz. vol. 205; p. 390.
- McCullman, Mosley. (See Graves, McCullman, and Gibson.)
- McCullum, Alfred F., assignor of three-fifths to J. Magee, 2d, Bloomsburg, Pa. Edge-binding machine. No. 1,088,605; Feb. 24; Gaz. vol. 199; p. 1187.
- McCullum, Burton, assignor of one-half to M. E. Rice, Lawrence, Kans. Alternating-current motor. No. 1,095,586; May 5; Gaz. vol. 202; p. 141.
- McCullum, James T., Dardanelle, Ark. Mail-carrying device. No. 1,104,916; July 28; Gaz. vol. 204; p. 1072.
- McCullum, Peter, Fayette, Mo. Brooder. No. 1,115,326; Oct. 27; Gaz. vol. 207; p. 1157.
- McColly, Charles C., deceased; J. McColly, Wayne, Colo., administrator, assignor of one-half to C. E. Lookingbill, Maxwell, Iowa. Bolting mechanism. No. 1,104,434; July 21; Gaz. vol. 204; p. 854.
- McColly, Josiah, administrator. (See McColly, Charles C.)
- McComas, Elton, Matoaka, W. Va. Ticket-delivery machine. No. 1,084,462; Jan. 13; Gaz. vol. 198; p. 427.
- McCombe, Albert S., Akron, Ohio. Sewer-block. No. 1,087,172; Feb. 17; Gaz. vol. 199; p. 649.
- McCombs, Oliver A., Dallas, Tex. Anti-rail-creeper tie-plate. No. 1,111,847; Sept. 29; Gaz. vol. 206; p. 1213.
- McConnell, Clinton, assignor to Machinery and Electrical Company, Los Angeles, Cal. Oil-burner. No. 1,100,141; June 16; Gaz. vol. 203; p. 689.
- McConnell, David A., Kearney, Nebr. Threshing-machine. No. 1,099,070; June 2; Gaz. vol. 203; p. 238.
- McConnell, Duncan A., Arlington, assignor, by mesne assignments, to Lovell-McConnell Manufacturing Company, Newark, N. J. Circuit-closer. No. 1,101,866; June 30; Gaz. vol. 203; p. 1388.

Alphabetical list of patentees—Continued.

- McConnell, E. M., *et al.* (See McConnell, John H., assignor.)
- McConnell, F. G., *et al.* (See Fuller, MZL, assignor.)
- McConnell, John H., Amsbry, assignor of one-fourth to J. A. Murray, one-fourth to V. A. Murray, and one-fourth to E. M. McConnell, Patton, Pa. Toy pistol. No. 1,115,954; Nov. 3; Gaz. vol. 208; p. 166.
- McConnell, John R., Emmett, Idaho. Shock-absorber. No. 1,084,353; Jan. 13; Gaz. vol. 198; p. 393.
- McConnell, Samuel A., and B. Erickson, Portland, Oreg. Switch control. No. 1,089,850; Mar. 10; Gaz. vol. 200; p. 450.
- McConway & Torley Company. (See Kelso, Joseph, assignor.)
- McConway & Torley Company. (See Kelso, Joseph and W., assignors.)
- McConway & Torley Company. (See Kelso, William, assignor.)
- McCooe, Patrick H., Indiana Harbor, Ind. Anticreeper for railway-rails. No. 1,112,224; Sept. 29; Gaz. vol. 206; p. 1341.
- McCoon, Ira, Windsor Locks, Conn. Truck. No. 1,103,796; July 14; Gaz. vol. 204; p. 595.
- McCord, Charles S., Holly Springs, Miss. Insect-catcher and bed-spring support. No. 1,095,906; May 5; Gaz. vol. 202; p. 249.
- McCord, Clarence S., Seattle, Wash. Receptacle. No. 1,083,552; Jan. 6; Gaz. vol. 198; p. 97.
- McCord, Clarence S., Seattle, Wash. Sifting device. No. 1,087,173; Feb. 17; Gaz. vol. 199; p. 649.
- McCord and Company. (See Corvin, James F., assignor.)
- McCord and Company. (See Lamon, Judson A., assignor.)
- McCord and Company. (See Randel, Ivar A., assignor.)
- McCord, Eva T., Chicago, Ill. Hat and coat hanger. No. 1,102,420; July 7; Gaz. vol. 204; p. 70.
- McCord, Horace M., Minneapolis, Minn., assignor of five-twentieths to J. F. McDonough, La Crosse, Wis. Holder for carboys. No. 1,094,669; Apr. 28; Gaz. vol. 201; p. 1002.
- McCord Manufacturing Company. (See Schlacks and Barter, assignors.)
- McCord, Ralph, St. Louis, Mo. Stop for closet-seats. No. 1,093,640; Apr. 21; Gaz. vol. 201; p. 593.
- McCorkindale, Duncan L., Holyoke, Mass. Window-fastener. No. 1,101,867; June 30; Gaz. vol. 203; p. 1388.
- McCormack, Angus G., Port Arthur, Ontario, Canada. Grain-car door. No. 1,106,395; Aug. 11; Gaz. vol. 205; p. 323.
- McCormack, Gertrude A., *et al.* (See McCormack, John M., assignor.)
- McCormack, Harry M., and G. H. Wall, Scotia, Cal. Logging-bunk. No. 1,098,580; June 2; Gaz. vol. 203; p. 78.
- McCormack, James L. L., assignor to Hardinge Bros., Chicago, Ill. Treadle. No. 1,115,558; Nov. 3; Gaz. vol. 208; p. 31.
- McCormack, John M., assignor to G. A. McCormack, D. R. Williams, J. Constable, and E. L. Brown, Reno, Nev. Reducing and separating the metals from their ores. No. 1,099,388; June 9; Gaz. vol. 203; p. 394.
- McCormick, Allen L., Louisville, Ky. Weather-strip for wind-shields of automobiles. No. 1,107,819; Aug. 18; Gaz. vol. 205; p. 874.
- McCormick, B. W. (See McCormick, Charles E., assignor.)
- McCormick, Charles E., assignor of one-half to B. W. McCormick, Independence, Mo. Rake-cleaner. No. 1,112,308; Sept. 29; Gaz. vol. 206; p. 1371.
- McCormick, Daniel U., Chicago Heights, Ill. Window-screen. No. 1,099,263; June 9; Gaz. vol. 203; p. 349.
- McCormick, Edmund L., St. Louis, Mo. Cattle-guard. No. 1,108,202; Aug. 25; Gaz. vol. 205; p. 1055.
- McCormick, Frank L. (See De Kleist and McCormick.)
- McCormick, Frank L., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Automatic roll-changer for musical instruments. No. 1,110,001; Sept. 8; Gaz. vol. 206; p. 446.
- McCormick, John H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,103,068; July 14; Gaz. vol. 204; p. 341.
- McCormick, John I., Chicago, Ill. Apparatus for producing vacuums. No. 1,085,926; Feb. 3; Gaz. vol. 199; p. 123.
- McCormick, John I., assignor of one-half to H. and W. Lytton, Chicago, Ill. Slot guard or shield. No. 1,104,370; July 21; Gaz. vol. 204; p. 832.
- McCormick, John I., assignor, by mesne assignments, to U. S. Slicing Machine Company, Chicago, Ill. Meat-holding clamp for slicing-machines. No. 1,122,526; Dec. 29; Gaz. vol. 209; p. 1418.
- McCormick, John T. (See Wright and McCormick.)
- McCormick, Langdon, New York, N. Y. Producing illusory effects. No. 1,093,711; Apr. 21; Gaz. vol. 201; p. 619.
- McCormick, Langdon, assignor to Thurston-McCormick Co. Inc., New York, N. Y. Apparatus for producing scenic effects. No. 1,093,943; Apr. 21; Gaz. vol. 201; p. 694.
- McCormick Manufacturing Company. (See Kopf, Melrose G., assignor.)
- McCormack, Herbert, West Chester, Pa. Device for cleaning separator-disks. No. 1,090,554; Mar. 17; Gaz. vol. 200; p. 738.
- McCoy, Charles D., *et al.* (See Petty, Harry E., assignor.)
- McCoy, Charles W., assignor of three-eighths to W. J. Gibson and two-eighths to W. R. Rundle, Winnipeg, Manitoba, Canada. Cooler for refrigerators. No. 1,111,077; Sept. 22; Gaz. vol. 206; p. 910.
- McCoy, Don A., Miller, S. D. Fire-escape. No. 1,116,829; Nov. 10; Gaz. vol. 208; p. 514.
- McCoy, Edward A. (See Weiss, Arthur J., assignor.)
- McCoy, Elijah, Detroit, assignor of forty-eight one-hundredths to J. L. Johnson, Northville, Mich. Locomotive-lubricator. No. 1,097,134; May 19; Gaz. vol. 202; p. 750.
- McCoy, Elijah, assignor to J. N. Courtney, Detroit, Mich. Valve and plug-cock. No. 1,101,868; June 30; Gaz. vol. 203; p. 1388.
- McCoy, Elijah, Detroit, assignor to Ypsilanti Lubricator Company, Ypsilanti, Mich. Lubricator. No. 1,109,775; Sept. 8; Gaz. vol. 206; p. 365.
- McCoy, Herbert N., Chicago, Ill. Treating so-called carnotite and associated and similar vanadium and uranium minerals. No. 1,098,282; May 26; Gaz. vol. 202; p. 1196.
- McCoy, Herbert N., Chicago, Ill. Treating radio-active barium compounds. No. 1,103,600; July 14; Gaz. vol. 204; p. 527.
- McCoy, James A., Jr., assignor to Davis Electric Company, Parkersburg, W. Va. Rheostat. No. 1,099,071; June 2; Gaz. vol. 203; p. 239.
- McCoy, James N., Vincennes, Ind. Cooling medium for internal-combustion engines. No. 1,102,777; July 7; Gaz. vol. 204; p. 194.
- McCoy, John, and S. A. Copenhafer, York, Pa. Feed mechanism for cutting-machines. No. 1,087,801; Feb. 17; Gaz. vol. 199; p. 869.
- McCoy, John, and S. A. Copenhafer, York, Pa. Feed mechanism for cutting-machines. No. 1,087,802; Feb. 17; Gaz. vol. 199; p. 870.
- McCoy, John F., New Orleans, La. Tamp. No. 1,107,976; Aug. 18; Gaz. vol. 205; p. 928.
- McCoy, Walter E. (See Sprong and McCoy.)
- McCoy, Walter E., and S. D. Sprong, assignors of one-third to F. W. Smith, New York, N. Y. Means for electrically determining transmitted power. No. 1,111,848; Sept. 29; Gaz. vol. 206; p. 1214.
- McCoy, Walter M. (See Bohm and McCoy.)
- McCoy, William W., Chehalis, Wash. Shoe-fastener. No. 1,098,283; May 26; Gaz. vol. 202; p. 1196.
- McCrabb, Elmer J., Sigourney, Iowa. Corn harvester and husking machine. No. 1,109,688; Sept. 8; Gaz. vol. 206; p. 335.
- McCracken, Arthur T., Sulphur Springs, Ark. Hydrocarbon-burner. No. 1,095,509; May 5; Gaz. vol. 202; p. 115.
- McCracken, Edward E., Greenville, Pa. Towel-dispensing cabinet. No. 1,104,207; July 21; Gaz. vol. 204; p. 776.
- McCracken, Isaac E., Pittsburgh, Pa. Gear-cutting machine. No. 1,085,748; Feb. 3; Gaz. vol. 199; p. 60.
- McCracken, Isaac E., Pittsburgh, Pa. Gear. No. 1,096,258; May 12; Gaz. vol. 202; p. 406.
- McCracken, James D., assignor to The United States Playing Card Co., Cincinnati, Ohio. Game-counter. No. 1,089,379; Mar. 3; Gaz. vol. 200; p. 239.
- McCracken, William S., Joliet, Ill. Horseshoe. No. 1,092,585; Apr. 7; Gaz. vol. 201; p. 159.
- McCray, Cuge L., Portsmouth, Ohio. Railway-tie and fastener. No. 1,083,626; Jan. 6; Gaz. vol. 198; p. 122.
- McCray, John. (See Riefsnyder, Charles C., assignor.)
- McCray, Wilford J., and E. A. Hatch, Los Angeles, Cal. Water-purifier. No. 1,099,459; June 9; Gaz. vol. 203; p. 417.
- McCready, Ira T., Oak Park, Ill. Cork-tapering machine. No. 1,116,830; Nov. 10; Gaz. vol. 208; p. 515.
- McCreary, James A., Connellsville, Pa. Coke-oven door. No. 1,121,385; Dec. 15; Gaz. vol. 209; p. 949.
- McCreery, Robert C., Erick, Okla. Detachable emergency traction-shoe for automobiles. No. 1,114,164; Oct. 20; Gaz. vol. 207; p. 694.
- McCreery, Robert D., Rochester, N. Y. Electrically-controlled animal power. No. 1,121,855; Dec. 22; Gaz. vol. 209; p. 1150.
- McCrodden, Howard S. (See Howe, Adanirum J., assignor.)
- McCroly, Frederick E., assignor of one-half to J. D. Pitts, Los Angeles, Cal. Warming device for automobile steering-wheels. No. 1,084,890; Jan. 20; Gaz. vol. 198; p. 602.
- McCrudden, Joseph E., Providence, R. I. Stop for counter-shafts. No. 1,100,084; June 16; Gaz. vol. 203; p. 669.
- McCrum, Robert, London, England. Letter-opener. No. 1,096,933; May 19; Gaz. vol. 202; p. 679.
- McCubbin, Hamilton, Lahaina, Hawaii. Electrolytic apparatus for the clarification of sugar solutions. No. 1,084,556; Jan. 13; Gaz. vol. 198; p. 459.
- McCuddy, Isaac N., Oakville, Ky. Umbrella-support. No. 1,084,868; Jan. 20; Gaz. vol. 198; p. 595.
- McCuean, Christopher B., and B. E. Miller, Connellsville, Pa. Car-replacer. No. 1,122,973; Dec. 29; Gaz. vol. 209; p. 1575.
- McCulley, Robert E., W. G. Rea, and D. B. Forward, Cedarville, Cal. Cultivator-tooth. No. 1,108,600; Aug. 25; Gaz. vol. 205; p. 1194.

Alphabetical list of patentees—Continued.

- McCulloch, James, Glasgow, Scotland, assignor of one-half to J. O'Neil, Holyoke, Mass. Stoker for furnaces and boilers of the underfeed type. No. 1,113,569; Oct. 13; Gaz. vol. 207; p. 447.
- McCulloch, Robert A. (See Almirall and McCulloch.)
- McCullough, Charles, Haines, Oreg. Baled-hay conveyor and elevator. No. 1,108,599; Aug. 25; Gaz. vol. 205; p. 1194.
- McCumber, Orinda E., Omaha, Nebr. Weighing attachment for ice-boxes. No. 1,094,581; Apr. 28; Gaz. vol. 201; p. 968.
- McCune, John H., Kaw, Okla. Washboiler. No. 1,099,072; June 2; Gaz. vol. 203; p. 239.
- McCurdy, Ernest A., Taft, Cal. Pump. No. 1,092,159; Apr. 7; Gaz. vol. 201; p. 12.
- McCurdy-Ferguson Company. (See Ferguson, Ward S., assignor.)
- McDade, Edward J., assignor to Pritchard-Stamping Company, Rochester, N. Y. Coupling device. No. 1,105,034; July 28; Gaz. vol. 204; p. 1112.
- McDade, William W. (See Roland and McDade.)
- McDaniel, Ira W., Champaign, Ill. Device for dispensing towels. No. 1,117,878; Nov. 17; Gaz. vol. 208; p. 921.
- McDaniel, James E., Columbia, S. C. Grease-compressor for engine-rods. No. 1,111,755; Sept. 29; Gaz. vol. 206; p. 1179.
- McDaniel, William R., Englewood, assignor of one-half to E. H. Sholar, Chattanooga, Tenn. Train-pipe coupling. No. 1,114,899; Oct. 27; Gaz. vol. 207; p. 1007.
- McDaniels, Frank A., Portland, Oreg. Combination traction-driven hand-tool. No. 1,115,854; Nov. 3; Gaz. vol. 208; p. 132.
- McDermot, Bertrand, Avonmore, Pa. Combined rail tie and fastener. No. 1,101,306; June 23; Gaz. vol. 203; p. 1144.
- McDermott, Charles K., Charleston, W. Va. Rail fastening and gage. No. 1,107,085; Aug. 11; Gaz. vol. 205; p. 565.
- McDermott, Harry H., and H. J. Zwettler, Chicago, Ill. Wrench. No. 1,122,293; Dec. 29; Gaz. vol. 209; p. 1340.
- McDermott Surgical Instrument Co. (See Caine, Ansel M., assignor.)
- McDermott, Thomas E., Somerville, Mass. Safety-razor. No. 1,107,538; Aug. 18; Gaz. vol. 205; p. 775.
- McDermott, Thomas P., assignor of one-half to P. A. McNiff, Lowell, Mass. Separator. No. 1,121,270; Dec. 15; Gaz. vol. 209; p. 909.
- McDevitt, Frederick H., Winthrop, Mass. Collapsible clearer-stick. No. 1,114,784; Oct. 27; Gaz. vol. 207; p. 966.
- McDevitt, James B., assignor of one-half to B. F. N. Bendtsen, Chicago, Ill. Valve for gasoline-tanks. No. 1,095,016; Apr. 28; Gaz. vol. 201; p. 1123.
- McDill, Elihu G., Sparta, Ill. Automobile-tire. No. 1,091,005; Mar. 24; Gaz. vol. 200; p. 921.
- McDonald, A. Y. (See MacNeil, Thomas P., assignor.)
- McDonald, Addie L., and D. L. Middleton, Sanderson, Fla. Means for automatically inflating pneumatic tires. No. 1,092,068; Mar. 31; Gaz. vol. 200; p. 1325.
- McDonald, Beverly, Picton, Ontario, Canada. Filing device. No. 1,106,396; Aug. 11; Gaz. vol. 205; p. 323.
- McDonald, Charles D., assignor to McDonald Machine Company, Chicago, Ill. Metal-shearing machine. No. 1,110,810; Sept. 15; Gaz. vol. 206; p. 773.
- McDonald, Charles D., and C. E. Ennes, assignors to McDonald Machine Co., Chicago, Ill. Die-press mechanism or the like. No. 1,121,271; Dec. 15; Gaz. vol. 209; p. 909.
- McDonald, Charles F., assignor of one-half to J. B. Muntz, Philadelphia, Pa. Safety device for pneumatic hammers. No. 1,101,464; June 23; Gaz. vol. 203; p. 1197.
- McDonald, Clement C., Chenoa, Ill. Sidewalk. No. 1,089,380; Mar. 3; Gaz. vol. 200; p. 239.
- McDonald, Cuth A. (See Minotti and McDonald.)
- McDonald, Donald, Louisville, Ky. Indicating the flow and leakage of gas. No. 1,090,737; Mar. 17; Gaz. vol. 200; p. 797.
- McDonald, Frank, Roaring Spring, Pa. Electrolytic cell. No. 1,117,879; Nov. 17; Gaz. vol. 208; p. 922.
- McDonald, Henry D., Oak Park, Ill. Game apparatus. No. 1,116,459; Nov. 10; Gaz. vol. 208; p. 379.
- McDonald, James J., Cleveland, Ohio. Trap. No. 1,086,066; Feb. 3; Gaz. vol. 199; p. 175.
- McDonald, James J., Cleveland, Ohio. Heating system. No. 1,116,311; Nov. 3; Gaz. vol. 208; p. 286.
- McDonald, John A., Clarksburg, W. Va. Sand-reel for well-drilling rigs. No. 1,099,991; June 16; Gaz. vol. 203; p. 636.
- McDonald, John A., Mostyn, Tex. Supporting-shelf. No. 1,116,091; Nov. 3; Gaz. vol. 208; p. 215.
- McDonald, John A., Winthrop, assignor to J. R. Peck, Brookline, Mass. Skid-chain. No. 1,091,437; Mar. 24; Gaz. vol. 200; p. 1066.
- McDonald, Lena, Chadbourn, N. C. Waste-receptacle. No. 1,116,604; Nov. 10; Gaz. vol. 208; p. 434.
- McDonald Machine Co. (See McDonald and Ennes, assignors.)
- McDonald Machine Company. (See McDonald, Charles D., assignor.)
- McDonald, Martin. (See McAdam, Joseph P., assignor.)
- McDonald Oil and Water Elevator Co. (See McDonald and Mack, assignors.)
- McDonald, Richard A. (See Melville, Herbert J., assignor.)
- McDonald, Richard M. (See McNaughton and McDonald.)
- McDonald, Roland A., St. Joseph, Mo. Laundry device. No. 1,098,284; May 26; Gaz. vol. 202; p. 1196.
- McDonald, Roy A., Detroit, Mich. Tent-support. No. 1,090,738; Mar. 17; Gaz. vol. 200; p. 797.
- McDonald, Thomas H., Tropico, and S. W. Mack, Glendale, Cal., assignors to McDonald Oil and Water Elevator Co., Aberdeen, Wash. Oil and water elevator. No. 1,113,028; Oct. 6; Gaz. vol. 207; p. 213.
- McDonald, Thomas J., Baltimore, Md., assignor to American Car Sprinkler Co., Worcester, Mass. Road-surfacing machine. No. 1,089,145; Mar. 3; Gaz. vol. 200; p. 164.
- McDonald, William L., Chicago, Ill. Differential gearing. No. 1,111,849; Sept. 29; Gaz. vol. 206; p. 1214.
- McDonald, William T. B., Granby, Quebec, assignor to MacDonald Car Buffer Limited, Montreal, Quebec, Canada. Means for stopping trains. No. 1,084,463; Jan. 13; Gaz. vol. 198; p. 427.
- McDonnell, Eugene, Los Angeles, Cal. Combination-lock. No. 1,120,513; Dec. 8; Gaz. vol. 209; p. 595.
- McDonnell, Fred V. (See Reneker, James P., assignor.)
- McDonnell, Fred V., Logansport, Ind. Hob-facing attachment for car-wheel-boring mills. No. 1,090,739; Mar. 17; Gaz. vol. 200; p. 797.
- McDonnell, John M. (See Augustin and McDonnell.)
- McDonnell, Joseph L., Philadelphia, Pa. Car-fender. No. 1,104,435; July 21; Gaz. vol. 204; p. 854.
- McDonough, Alexander J. (See Hodgson, William D., assignor.)
- McDonough, Alexander J., Chauncy, Pa. Post-base. No. 1,101,307; June 23; Gaz. vol. 203; p. 1144.
- McDonough, Joseph F. (See McCord, Horace M., assignor.)
- McDougall, Alexander and A. M., Duluth, Minn. Ship-hatch. No. 1,118,667; Nov. 24; Gaz. vol. 208; p. 1238.
- McDougall, Alexander and A. M., Duluth, Minn. Vessel. No. 1,122,782; Dec. 29; Gaz. vol. 209; p. 1508.
- McDougall, Alexander and A. M., Duluth, Minn. Sea-going canal-boat. No. 1,122,783; Dec. 29; Gaz. vol. 209; p. 1508.
- McDougall, Alexander M. (See McDougall, Alexander and A. M.)
- McDougall Company. (See Bertram, Henry W., assignor.)
- McDougall, George F. A., Boston, Mass. Envelop. No. 1,118,668; Nov. 24; Gaz. vol. 208; p. 1238.
- McDowell, Burr B., Van Etten, N. Y. Mold for concrete sluices. No. 1,086,197; Feb. 3; Gaz. vol. 199; p. 218.
- McDowell, Cantella D., Pontiac, Mich. Gunpowder and making the same. No. 1,083,371; Jan. 6; Gaz. vol. 198; p. 37.
- McDowell, Charles P., Winlock, and R. H. Easter, Elma, Wash. System for inflating pneumatic tires. No. 1,083,847; Jan. 6; Gaz. vol. 198; p. 192.
- McDowell, Charles P., and R. H. Easter, Porter, Wash. Automobile tire-pump. No. 1,098,674; June 2; Gaz. vol. 203; p. 108.
- McDowell, George, New York, N. Y. Internal-combustion engine. No. 1,098,455; June 2; Gaz. vol. 203; p. 35.
- McDowell, Harvey G. (See Mellingner, Harrigan, Coppage, McDowell, Vedder, and Strobel.)
- McDowell, John R., Auburn, Ind. Spark-plug. No. 1,089,244; Mar. 3; Gaz. vol. 200; p. 196.
- McDowell, Robert G., Walkerville, Mont., assignor to Ingersoll-Rand Company, New York, N. Y. Oiler. No. 1,119,522; Dec. 1; Gaz. vol. 209; p. 215.
- McDowell, Robert G., assignor of one-fourth to R. B. McIntyre, Walkerville, and one-fourth to M. F. Gilligan, Butte, Mont. Drill-socket. No. 1,089,660; Mar. 10; Gaz. vol. 200; p. 387.
- McDowell, Willie M., Tacoma, Wash. Shield for excavating tunnels and shafts. No. 1,100,142; June 16; Gaz. vol. 203; p. 689.
- McElhenie, Thomas J., Philadelphia, Pa., assignor to The Ohio Varnish Company, Cleveland, Ohio. Graining-tool. No. 1,120,832; Dec. 15; Gaz. vol. 209; p. 756.
- McElhenie, Thomas J., Philadelphia, Pa., assignor to The Ohio Varnish Company, Cleveland, Ohio. Graining-tool. No. 1,121,272; Dec. 15; Gaz. vol. 209; p. 909.
- McElhenie, Thomas J., Philadelphia, Pa., assignor to The Ohio Varnish Company, Cleveland, Ohio. Graining-tool. No. 1,121,273; Dec. 15; Gaz. vol. 209; p. 910.
- McElhenie, Thomas J., Philadelphia, Pa., assignor to The Ohio Varnish Company, Cleveland, Ohio. Graining-tool. No. 1,121,274; Dec. 15; Gaz. vol. 209; p. 910.
- McElrath, William W., Sr., East Radford, Va. Rail. No. 1,109,440; Sept. 1; Gaz. vol. 206; p. 207.
- McElroy, Charles H., Indianapolis, Ind. Necktie-guide. No. 1,121,521; Dec. 15; Gaz. vol. 209; p. 995.
- McElroy Engine Company. (See McElroy, George E., assignor.) (Reissue.)
- McElroy, George E., assignor to McElroy Engine Company, Newark, N. J. Gas-engine. (Reissue.) No. 1,384,3; Dec. 8; Gaz. vol. 209; p. 650.
- McElroy, Jackson A., and W. B. Freeman, Hattiesburg, Miss. Switch-rod. No. 1,089,940; Mar. 10; Gaz. vol. 200; p. 484.

Alphabetical list of patentees—Continued.

- McElroy, James F., Albany, N. Y., assignor to Consolidated Car-Heating Company. Electric switch. No. 1,093,793; Apr. 21; Gaz. vol. 201; p. 643.
- McElroy, James F., Albany, N. Y., assignor to Consolidated Car Heating Company. Fluid-motor and retarding device therefor. No. 1,118,297; Nov. 24; Gaz. vol. 208; p. 1105.
- McElroy, James F., Albany, N. Y., assignor to Consolidated Car Heating Company. Steam-heating apparatus. No. 1,120,319; Dec. 8; Gaz. vol. 209; p. 526.
- McElroy, James F., Albany, N. Y., assignor to Consolidated Car-Heating Company. Fluid-motor and retarding device therefor. No. 1,120,833; Dec. 15; Gaz. vol. 209; p. 756.
- McElroy, James F., Albany, N. Y., assignor to Consolidated Car-Heating Company. Thermostatic valve. No. 1,121,591; Dec. 15; Gaz. vol. 209; p. 1020.
- McElroy, John H. (See Holland Letz, Ludwig, assignor.)
- McElroy, John H., Chicago, Ill. Voting-machine. No. 1,110,811; Sept. 15; Gaz. vol. 206; p. 773.
- McElwain, James. (See Laws, McElwain, and Laird.)
- McEntyre, John, Rooty Hill, New South Wales, Australia. Center buffer appliance for railway-trucks. No. 1,122,621; Dec. 29; Gaz. vol. 209; p. 1451.
- McEvoy, James, *et al.* (See Carson, Fredrick E., assignor.)
- McEvoy, William, *et al.* (See Carson, Fredrick E., assignor.)
- McEwen Bros. (See Kerr, Charles V., assignor.)
- McEwen, Owen T., Spokane, Wash. Space-block for cross-arms. No. 1,099,612; June 9; Gaz. vol. 203; p. 469.
- McEwen, Willard M. (See Lamb, Charles C., assignor.)
- McEwing, Duncan S., Chicago, Ill. Card for railway-cars. No. 1,090,928; Mar. 24; Gaz. vol. 200; p. 894.
- McFadden, George E., Pullman, Ill. Car-wheel. No. 1,104,208; July 21; Gaz. vol. 204; p. 776.
- McFadden, Niel, and A. E. Stewart, assignors to Acme Knitting Machine and Needle Company, Franklin, N. H. Knitting-machine. No. 1,083,690; Jan. 6; Gaz. vol. 198; p. 143.
- McFadden, Samuel D. (See Stene and McFadden.)
- McFadden, William M., Luck, Wis. Self-adjusting equine sling. No. 1,083,627; Jan. 6; Gaz. vol. 198; p. 122.
- McFaddin, Harrison D., East Orange, N. J. Lamp-fixture. No. 1,090,929; Mar. 24; Gaz. vol. 200; p. 895.
- McFall, Frank B., *et al.* (See Johnson, Clinton A., assignor.)
- McFalls, David H., White Plains, N. Y. Toy. No. 1,103,601; July 14; Gaz. vol. 204; p. 527.
- McFarlan, Bernard S., Spokane, Wash. Advertising-sign. No. 1,102,160; June 30; Gaz. vol. 203; p. 1492.
- McFarland, Charles M., assignor of one-half to W. R. Neal, Linden, Tex. Combination rule, square, and miter. No. 1,106,232; Aug. 4; Gaz. vol. 205; p. 224.
- McFarland, Clyde L., Philadelphia, Pa. Artificial limb. No. 1,112,819; Oct. 6; Gaz. vol. 207; p. 143.
- McFarland, Corey F. (See Ford, John C., assignor.)
- McFarland, Earl, and E. C. Churning, Sausalito, Cal. Spark-plug. No. 1,103,797; July 14; Gaz. vol. 204; p. 595.
- McFarland, Edward H., Cincinnati, Ohio, assignor to General Electric Company. Apparatus for producing sulfuric acid. No. 1,112,424; Sept. 29; Gaz. vol. 206; p. 1412.
- McFarland, Frank H., Fort Worth, Tex. Bale-tie. No. 1,099,460; June 9; Gaz. vol. 203; p. 417.
- McFarland, Harvey P., Milton, Iowa. Watering device for stock-cars. No. 1,117,512; Nov. 17; Gaz. vol. 208; p. 792.
- McFarland, Harvey P., and M. E. Eads, Oquawka, Ill. Fence-post. No. 1,117,214; Nov. 17; Gaz. vol. 208; p. 688.
- McFarland, James W. (See Barber and McFarland.)
- McFarland, John C., Spokane, Wash. Tenpin-setter. No. 1,122,622; Dec. 29; Gaz. vol. 209; p. 1451.
- McFarland, Roy L., *et al.* (See Kollenberg, Frederick G., assignor.)
- McFarland, Walter A., assignor of two-thirds to C. Beale, one-sixth to P. R. Labouisse, Washington, D. C., and one-sixth to H. D. Day, Upper Falls, Md. Shut-off valve-operating mechanism. No. 1,088,159; Feb. 24; Gaz. vol. 199; p. 1040.
- McFarlane, Henry H., Extension, British Columbia, Canada. Rail-joint. No. 1,097,555; May 19; Gaz. vol. 202; p. 894.
- McFarlane Manufacturing Company. (See McFarlane, Robert, assignor.)
- McFarlane, Robert, St. Paul, Minn., assignor to McFarlane Manufacturing Company, Chicago, Ill. Scale. No. 1,090,819; Mar. 17; Gaz. vol. 200; p. 824.
- McFarling, Charles H. (See Rumley and McFarling.)
- McFarling, Charles H. (See Thomas and McFarling.)
- McFeely, John, *et al.* (See Schaeffer, Luther, assignor.)
- McFeely, John, Indianapolis, Ind., assignor of three-fourths to M. E. and H. E. Petty, Chicago, Ill. Automatic control and safety device for moving-picture machines. No. 1,084,651; Jan. 20; Gaz. vol. 198; p. 519.
- McFeely, Ronald F., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Pulling-over machine. No. 1,090,220; Mar. 17; Gaz. vol. 200; p. 620.
- McFeely, Ronald F., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Tack-supplying mechanism. No. 1,107,337; Aug. 18; Gaz. vol. 205; p. 703.
- McFell, Judson, Chicago, Ill. Selective signaling means. No. 1,095,655; May 5; Gaz. vol. 202; p. 164.
- McFerran, William J., Henry, S. D. Package-fastener. No. 1,085,749; Feb. 3; Gaz. vol. 199; p. 61.
- McFetridge, Joseph. (See Oesterle, Beale, and McFetridge.)
- McGalliard, Joseph W., assignor of one-half to N. A. D'Arcy, Los Angeles, Cal. Amalgamator. No. 1,100,386; June 16; Gaz. vol. 203; p. 774.
- McGann, James H., *et al.* (See Ryan, Patrick, assignor.)
- McGarvey, Edward, assignor to International Electric Company, Bellefonte, Pa. Printing mechanism for automatic recording-scales. No. 1,101,207; June 23; Gaz. vol. 203; p. 1110.
- McGary, Charles W., Everett, assignor of one-half to H. L. Hildreth, Boston, Mass. Internal-combustion engine. No. 1,099,856; June 9; Gaz. vol. 203; p. 552.
- McGee, Edward F., Chipley, Ga. Auxiliary car-step. No. 1,120,958; Dec. 15; Gaz. vol. 209; p. 800.
- McGee, Harry A., Fayette, Iowa. Stapling-strip. No. 1,083,848; Jan. 6; Gaz. vol. 198; p. 192.
- McGee, John H., Vivian, La. Sand-pump for oil-wells. No. 1,118,787; Nov. 24; Gaz. vol. 208; p. 1277.
- McGee, John L., Des Moines, Iowa. Standing concrete-form. No. 1,119,711; Dec. 1; Gaz. vol. 209; p. 279.
- McGee, Joseph A., Big Spring, Ind. Power-transmission mechanism. No. 1,092,932; Apr. 14; Gaz. vol. 201; p. 313.
- McGee, Thomas F., New York, N. Y. Diaper. No. 1,088,355; Feb. 24; Gaz. vol. 199; p. 1106.
- McGehee, Ardee, Shreveport, La. Lock-nut. No. 1,110,957; Sept. 15; Gaz. vol. 206; p. 825.
- McGiehan, Isaac S., London, England. Pneumatic tire for vehicles. No. 1,110,451; Sept. 15; Gaz. vol. 206; p. 648.
- McGiehan, Patrick H., Brooklyn, N. Y. Smoke-consuming furnace. No. 1,095,907; May 5; Gaz. vol. 202; p. 249.
- McGiffert, John R., assignor to Clyde Iron Works, Duluth, Minn. Land-clearing machine. No. 1,095,122; Apr. 28; Gaz. vol. 201; p. 1157.
- McGill, Albert E., Chicago, Ill. Folding perambulator. No. 1,094,457; Apr. 28; Gaz. vol. 201; p. 926.
- McGill, Albert E., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Perambulator. No. 1,094,453; Apr. 28; Gaz. vol. 201; p. 924.
- McGill, Albert E., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Folding perambulator or go-cart. No. 1,094,454; Apr. 28; Gaz. vol. 201; p. 924.
- McGill, Albert E., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Folding go-cart. No. 1,094,455; Apr. 28; Gaz. vol. 201; p. 925.
- McGill, Albert E., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Folding perambulator or baby-carriage. No. 1,094,456; Apr. 28; Gaz. vol. 201; p. 925.
- McGill, Albert E., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Folding baby-carriage. No. 1,094,458; Apr. 28; Gaz. vol. 201; p. 926.
- McGill, Albert E., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Folding perambulator or go-cart. No. 1,094,459; Apr. 28; Gaz. vol. 201; p. 927.
- McGill, Albert E., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Folding go-cart. No. 1,094,460; Apr. 28; Gaz. vol. 201; p. 928.
- McGill, Albert E., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Folding vehicle. No. 1,111,662; Sept. 22; Gaz. vol. 206; p. 1111.
- McGill, Albert E., Chicago, Ill., assignor, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Folding perambulator or go-cart. No. 1,111,663; Sept. 22; Gaz. vol. 206; p. 1111.
- McGill, Albert E., Chicago, Ill., and F. J. Beier, assignors, by mesne assignments, to W. S. Ferris, Elkhart, Ind., and A. B. Leith, Chicago, Ill., trustees. Folding go-cart. No. 1,111,664; Sept. 22; Gaz. vol. 206; p. 1111.
- McGill, Andrew M., Sayre, Pa., assignor to said Andrew M. McGill, and W. Whiteford, G. H. Pearsall, New York, N. Y., and F. N. Hibbits, Bethlehem, Pa., trustees. Locomotive-tender cistern. No. 1,098,746; June 2; Gaz. vol. 203; p. 133.
- McGill, John F., Outcrop, Pa. Window shade and curtain hanger. No. 1,093,061; Apr. 14; Gaz. vol. 201; p. 356.
- McGill Manufacturing Company. (See Lehman and Lawrence, assignors.)

Alphabetical list of patentees—Continued.

- McGillivray, James, Sacramento, Cal. Protection of levees, embankments, dams, and other natural or artificial structures. No. 1,112,018; Sept. 29; Gaz. vol. 206; p. 1269.
- McGillivray, James F. (See Shaw and McGillivray.)
- McGinley, Catharine M., Boston, Mass. Mosquito-torch. No. 1,088,606; Feb. 24; Gaz. vol. 199; p. 1187.
- McGinley, Fredrick D., and G. Laycock, Syracuse, N. Y. Car-replacer. No. 1,119,850; Dec. 8; Gaz. vol. 209; p. 361.
- McGinley, Michael A. (See Costello, John J., Jr., assignor.)
- McGinnis, Crawford P. (See Dake and McGinnis.)
- McGinnis, David R., Fresno, Cal. Awning-ventilator. No. 1,103,980; July 21; Gaz. vol. 204; p. 699.
- McGinnis, Francis A., Detroit, Mich. Necktie-adjuster. No. 1,087,314; Feb. 17; Gaz. vol. 199; p. 699.
- McGinnis, John A., Bridgeport, Ohio, assignor to Wheeling Stamping Company, Wheeling, W. Va. Clutch mechanism. No. 1,103,679; July 14; Gaz. vol. 204; p. 556.
- McGinty, Bernard, Doylestown, Pa. Composing-stick. No. 1,107,539; Aug. 18; Gaz. vol. 205; p. 775.
- McGinty, Bernard, Doylestown, Pa., assignor to Printers Specialties Company, Roller-truck. No. 1,097,762; May 26; Gaz. vol. 202; p. 1013.
- McGirr, Theodore G., assignor to Usonia Machine Company, Springfield, Mass. Machine for wrapping yeast-cakes and similar articles. No. 1,091,684; Mar. 31; Gaz. vol. 200; p. 1194.
- McGlashan, Charles F. (See McGlashan, Ximena, L. G., and C. F.)
- McGlashan, Leonora G. (See McGlashan, Ximena, L. G., and C. F.)
- McGlashan, Ximena, L. G., and C. F., Truckee, Cal. Entomological mount. No. 1,104,371; July 21; Gaz. vol. 204; p. 833.
- McGlinsey, James, Tyrone, and W. A. Trimble, Birmingham, Pa. One-rail car. No. 1,097,104; May 19; Gaz. vol. 202; p. 739.
- McGorvin, Frank, Redding, Cal. Corrugated-iron shears. No. 1,112,076; Sept. 29; Gaz. vol. 206; p. 1289.
- McGovern, Daniel F., Montpelier, assignor to C. C. Putnam, Middlesex, Vt., administrator of M. Wright, deceased, and P. C. Wright, deceased. Polishing-wheel. No. 1,105,088; July 28; Gaz. vol. 204; p. 1132.
- McGovern, Daniel F., Montpelier, assignor to C. C. Putnam, Middlesex, Vt., executor of P. C. Wright, deceased, and administrator of M. Wright, deceased. Polishing-wheel. No. 1,105,089; July 28; Gaz. vol. 204; p. 1132.
- McGovern, Thomas W., Columbus, Ohio. Insole. No. 1,120,959; Dec. 15; Gaz. vol. 209; p. 800.
- McGowan, James J., Pawtucket, R. I. Feeder for picking-machines. No. 1,091,438; Mar. 24; Gaz. vol. 200; p. 1066.
- McGowan, John F., San Mateo, Cal. Fountain-faucet. No. 1,109,441; Sept. 1; Gaz. vol. 206; p. 207.
- McGowan, Matthew, assignor of one-half to N. C. Durie, St. Louis, Mo. Propulsion device for polycycles. No. 1,097,659; May 26; Gaz. vol. 202; p. 976.
- McGowen, Francis J., Los Angeles, Cal., assignor of one-third to I. R. Forbes. Telephone signal and recorder. No. 1,102,421; July 7; Gaz. vol. 204; p. 71.
- McGraner, John E., assignor of one-third to J. A. Tuttle and one-third to C. Van Meter, Harrisburg, Ill. Swingle-tree device. No. 1,111,717; Sept. 22; Gaz. vol. 206; p. 1131.
- McGrath, Alice L. (See McGrath, Samuel C., assignor.)
- McGrath, John T., Bloomington, Ill. Automatic exhaust drain-cock for steam-engines. No. 1,103,602; July 14; Gaz. vol. 204; p. 527.
- McGrath, Nicholas B., assignor of one-half to J. H. Pratt, Southington, Conn. Bevel. No. 1,121,195; Dec. 15; Gaz. vol. 209; p. 884.
- McGrath, Patrick H., Wollaston, Mass. Line-indicating mechanism for typographical machines. No. 1,118,298; Nov. 24; Gaz. vol. 208; p. 1106.
- McGrath, Patrick J., and J. W. Hallowell, Brooklyn, N. Y. Game apparatus. No. 1,117,136; Nov. 10; Gaz. vol. 208; p. 620.
- McGrath, Samuel C., assignor of nine-tenths to A. L. McGrath, Baltimore, Md. Method of and apparatus for recovering the by-products in the manufacture of fertilizer. No. 1,087,031; Feb. 10; Gaz. vol. 199; p. 549.
- McGraw, Alfred D. (See Reynolds and McGraw.)
- McGraw, Charles A., assignor to The McGraw Manufacturing Company, McGraw, N. Y. Serving device. No. 1,116,605; Nov. 10; Gaz. vol. 208; p. 434.
- McGraw Manufacturing Company, The. (See McGraw, Charles A., assignor.)
- McGraw, Thomas H., Jr., Pittsburgh, Pa. Steam-separator. No. 1,122,784; Dec. 29; Gaz. vol. 209; p. 1508.
- McGregor, Alexander G., Douglas, Ariz. Skull-breaking apparatus. No. 1,097,105; May 19; Gaz. vol. 202; p. 739.
- McGregor, Allan L., Chicago, Ill. Automobile-bumper. No. 1,088,832; Mar. 3; Gaz. vol. 200; p. 55.
- McGregor, Allan L., Chicago, Ill. Automobile-buffer. No. 1,103,981; July 21; Gaz. vol. 204; p. 699.
- McGregor, Donald, Tacoma, Wash. Wire chain. No. 1,086,383; Feb. 10; Gaz. vol. 199; p. 325.
- McGregor, Malcolm. (See Dobbs and McGregor.)
- McGregor, Robert. (See Alley and McGregor.)
- McGregory, Fred, Decatur, Ill. Dirigible automobile-lamp. No. 1,121,856; Dec. 22; Gaz. vol. 209; p. 1151.
- McGriff, John N., Anderson, Ind. Lawn-mower blade. No. 1,109,776; Sept. 8; Gaz. vol. 206; p. 365.
- McGuire, Curtis C., Akron, Ohio. Coupling. No. 1,088,712; Mar. 3; Gaz. vol. 200; p. 15.
- McGuire, Elwood W., Richmond, Ind. Lawn-mower. No. 1,093,283; Apr. 14; Gaz. vol. 201; p. 433.
- McGuire, Frederic F., assignor of one-fourth to G. H. Maier, Saginaw, Mich. Vise. No. 1,117,137; Nov. 10; Gaz. vol. 208; p. 621.
- McGuire, James, Savannah, Ga. Heating apparatus. No. 1,098,950; June 2; Gaz. vol. 203; p. 201.
- McGuire, James F., Chicago, Ill. Nut-lock. No. 1,084,748; Jan. 20; Gaz. vol. 198; p. 555.
- McGuire, James J., Newark, N. J. Metal-casting machine. No. 1,116,720; Nov. 10; Gaz. vol. 208; p. 475.
- McGuire, James J., St. Louis, Mo. Thermostatic valve. No. 1,123,208; Dec. 29; Gaz. vol. 209; p. 1661.
- McGuire, John F., Pender, Nebr. Leveling device for traction-engines. No. 1,108,203; Aug. 25; Gaz. vol. 205; p. 1056.
- McGuire, Michael G., Chicago, Ill. Cushioning means for vehicles. No. 1,112,714; Oct. 6; Gaz. vol. 207; p. 108.
- McGuire, Thomas, New York, N. Y. Lifting-jack. No. 1,096,552; May 12; Gaz. vol. 202; p. 505.
- McGuire, Thomas F., New York, N. Y. Carbureter. No. 1,100,679; June 16; Gaz. vol. 203; p. 870.
- McGuire, Thomas F., New York, N. Y., assignor to International Accessories Manufacturing Company, Wilmington, Del. Carbureter. No. 1,101,869; June 30; Gaz. vol. 203; p. 1388.
- McGuirk, Charles W. (See Durham and McGuirk.)
- McHale, David F., Dunmore, Pa. Ladder-jack. No. 1,104,996; July 28; Gaz. vol. 204; p. 1098.
- McHale, David F., Dunmore, Pa. Wall-paper-selvage-trimming machine. No. 1,118,945; Dec. 1; Gaz. vol. 209; p. 14.
- McHale, Philip, New Bedford, Mass. Drawing-roll for drawing and evening machines. No. 1,091,366; Mar. 24; Gaz. vol. 200; p. 1043.
- McHarg, Arthur V. A. (See Murray and McHarg.)
- McHarg, Arthur V. A., assignor to T. E. Murray, New York, N. Y. Electric cut-out. No. 1,084,703; Jan. 20; Gaz. vol. 198; p. 540.
- McHarg, Arthur V. A., assignor to T. E. Murray, New York, N. Y. Protective device for electric circuits. No. 1,120,212; Dec. 8; Gaz. vol. 209; p. 490.
- McIlhiney, Parker C., Great Neck, N. Y. Obtaining aluminum. No. 1,083,691; Jan. 6; Gaz. vol. 198; p. 143.
- McIlroy, Peter, Pittsburgh, assignor to Enameled Metals Company, Sharpsburg, Pa. Coated article. No. 1,096,636; May 12; Gaz. vol. 202; p. 534.
- McIlroy, Peter, Pittsburgh, assignor to Enameled Metals Company, Sharpsburg, Pa. Conduit or pipe and treating the same. No. 1,120,731; Dec. 15; Gaz. vol. 209; p. 720.
- McIlroy, William, Rochester, N. Y. Base-ball-game apparatus. No. 1,122,141; Dec. 22; Gaz. vol. 209; p. 1247.
- McIlvaine, Ralph R., Wilkinsburg, Pa. Electric-lamp socket. No. 1,090,930; Mar. 24; Gaz. vol. 200; p. 895.
- McIlwaine, George W., Rutherford, N. J. Bicycle crank-hanger. No. 1,104,523; July 21; Gaz. vol. 204; p. 888.
- McIlwrath, Andrew, Chicago, Ill., assignor to Flood & Conklin Co., Newark, N. J. Wood-veneering. No. 1,092,846; Apr. 14; Gaz. vol. 201; p. 284.
- McInrue, John, assignor to Chalmers & Williams, Inc., Chicago Heights, Ill. Gyratory crusher. No. 1,106,333; Aug. 4; Gaz. vol. 205; p. 257.
- McIntire, Harry P., Colorado Springs, Colo. Concentrator. No. 1,116,092; Nov. 3; Gaz. vol. 208; p. 215.
- McIntosh, Charles C., Los Angeles, assignor to G. D. Parker, Riverside, Cal. Fruit-drying apparatus. No. 1,122,018; Dec. 22; Gaz. vol. 209; p. 1207.
- McIntosh, Charles E., and S. S. Hopkins, Waynesboro, Va. Signaling device for letter-boxes. No. 1,109,242; Sept. 1; Gaz. vol. 206; p. 137.
- McIntosh, Charles H. (See White and McIntosh.)
- McIntosh, Cora E., New York, and O. A. McIntosh, Greene, N. Y. Skirt-marker. No. 1,106,152; Aug. 4; Gaz. vol. 205; p. 198.
- McIntosh, Ernest A., Randolph, Vt. Hose-coupling. No. 1,095,220; May 5; Gaz. vol. 202; p. 17.
- McIntosh, George, Stonington, Conn. Turbine. No. 1,095,587; May 5; Gaz. vol. 202; p. 141.
- McIntosh, George, Stonington, Conn. Road-indicator for vehicles. No. 1,097,593; May 19; Gaz. vol. 202; p. 908.
- McIntosh, James, Grove City, Pa. Gas-engine. No. 1,113,456; Oct. 13; Gaz. vol. 207; p. 408.
- McIntosh, Oren A. (See McIntosh, Cora E. and O. A.)
- McIntyre, Charles A., Philadelphia, Pa. Elevator-signal. No. 1,121,649; Dec. 22; Gaz. vol. 209; p. 1076.
- McIntyre, David, Detroit, Mich. Cement-block construction. No. 1,084,098; Jan. 13; Gaz. vol. 198; p. 308.
- McIntyre, Frederick, Kankakee, assignor, by mesne assignments, to E. R. Hills, Chicago, Ill. Regulator for watches. No. 1,114,500; Oct. 20; Gaz. vol. 207; p. 817.
- McIntyre, John, Chicago, Ill. Toy smoke-gun. No. 1,120,320; Dec. 8; Gaz. vol. 209; p. 527.

Alphabetical list of patentees—Continued.

- McIntyre, John D., New York, N. Y., assignor to W. De Shetley, Chicago, Ill. Apparatus for drying milk. No. 1,122,142; Dec. 22; Gaz. vol. 209; p. 1248.
- McIntyre, John J., Uniontown, Pa. Pneumatic derailer. No. 1,091,367; Mar. 24; Gaz. vol. 200; p. 1043.
- McIntyre, Michael J., assignor of one-fourth to W. Brennan, Jr., Buffalo, N. Y. Communion-cloth and holder for the same. No. 1,117,960; Nov. 17; Gaz. vol. 208; p. 949.
- McIntyre, Michael M., assignor to The Perfection Spring Company, Cleveland, Ohio. Vehicle-spring. (Reissue.) No. 13,689; Feb. 17; Gaz. vol. 199; p. 907.
- McIntyre, Milford J., Gowanda, N. Y. Emergency cut-off. No. 1,090,221; Mar. 17; Gaz. vol. 200; p. 620.
- McIntyre, Robert B., *et al.* (See McDowell, Robert G., assignor.)
- McIntyre, Robert S., Riverside, Cal. Compressed-air water-elevator. No. 1,093,871; Apr. 21; Gaz. vol. 201; p. 670.
- McIntyre, William J., assignor to The Allen Manufacturing Company, Hartford, Conn. Nut. No. 1,109,347; Sept. 1; Gaz. vol. 206; p. 175.
- McIsaac, Lewis, Inverness, Nova Scotia, Canada. Mine-pump. No. 1,112,820; Oct. 6; Gaz. vol. 207; p. 143.
- McKaig, Archibald, Sr., Buffalo, N. Y. Pliers. No. 1,116,093; Nov. 3; Gaz. vol. 208; p. 215.
- McKaig, Archie, Buffalo, N. Y. Mixing-machine. No. 1,105,812; Aug. 4; Gaz. vol. 205; p. 79.
- McKay, Donald, Montgomery, Ala. Dust-cap for vehicle-wheels. No. 1,091,072; Mar. 24; Gaz. vol. 200; p. 945.
- McKay, James H., Forest City, Iowa. Chimney. No. 1,110,505; Sept. 15; Gaz. vol. 206; p. 666.
- McKay, Jno. H., administrator. (See Gay, Edward O.)
- McKay, Joseph, assignor to Hall, Hartwell & Company, Troy, N. Y. Fold-collar. No. 1,101,753; June 30; Gaz. vol. 203; p. 1348.
- McKay, Malcolm, Roxobel, N. C. Holder for an insecticide. No. 1,105,364; July 28; Gaz. vol. 204; p. 1231.
- McKay, William A., and M. Claussen, San Francisco, Cal. Portable electric lamp. No. 1,085,147; Jan. 27; Gaz. vol. 198; p. 725.
- McKay, William A., and M. Claussen, assignors to Wizard Electric Lamp Company, San Francisco, Cal. Electric-lamp stand. No. 1,088,607; Feb. 24; Gaz. vol. 199; p. 1188.
- McKay, William F., Newark, N. J. Non-refillable bottle. No. 1,084,704; Jan. 20; Gaz. vol. 198; p. 540.
- McKean, Eugene, Oakland, Cal. Road-smoother. No. 1,092,280; Apr. 7; Gaz. vol. 201; p. 55.
- McKean, Martin L. (See Kanen, Walter H., assignor.)
- McKechnie, Archibald E. (See Shephard and McKechnie.)
- McKee, Edward E. (See Ellis, Hallett D., assignor.)
- McKee, Isabelle R., Tacoma, Wash. Handle attachment for books, loose-leaf binders, and the like. No. 1,121,566; Dec. 15; Gaz. vol. 209; p. 1012.
- McKee, James A., Lisburn, assignor to J. and T. M. Greeves, Limited, and York Street Flax Spinning Company, Limited, Belfast, Ireland. Automatic hackling-machine. No. 1,084,652; Jan. 20; Gaz. vol. 198; p. 519.
- McKee, James T., assignor of one-third to T. E. Powers and one-third to J. S. Tait, St. John, New Brunswick, Canada. Fuel-saver. No. 1,086,834; Feb. 10; Gaz. vol. 199; p. 484.
- McKee, Milton A., Westerly, R. I., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Hydraulic press. No. 1,094,803; Apr. 28; Gaz. vol. 201; p. 1049.
- McKee, Samuel E. (See Cornell and McKee.)
- McKee, Thomas C., Chicago, Ill., assignor of one-third to G. H. Kittredge and one-third to P. W. Lamson, Cincinnati, Ohio. Absorber for refrigerating apparatus. No. 1,085,624; Feb. 3; Gaz. vol. 199; p. 16.
- McKee, Walter S., Glencoe, Ill., assignor to Edgar Allen American Manganese Steel Company, Augusta, Me. Reversible dipper-tooth. No. 1,088,916; Mar. 3; Gaz. vol. 200; p. 83.
- McKee, William I. (See Hoch and McKee.)
- McKeen Motor Car Company. (See McKeen, William R., Jr., assignor.)
- McKeen Motor Car Company. (See McKeen and Burton, assignors.)
- McKeen, William R., Jr., assignor to McKeen Motor Car Company, Omaha, Nebr. Ignition-timer for reversible gas-engines. No. 1,095,656; May 5; Gaz. vol. 202; p. 165.
- McKeen, William R., Jr., assignor, by mesne assignments, to McKeen Motor Car Company, Omaha, Nebr. Internal-combustion engine. No. 1,101,705; June 30; Gaz. vol. 203; p. 1332.
- McKeen, William R., Jr., assignor to McKeen Motor Car Company, Omaha, Nebr. Car construction. No. 1,107,086; Aug. 11; Gaz. vol. 205; p. 566.
- McKeen, William R., Jr., assignor to McKeen Motor Car Company, Omaha, Nebr. Car-heating apparatus. No. 1,113,457; Oct. 13; Gaz. vol. 207; p. 408.
- McKeen, William R., and W. D. Burton, assignors to McKeen Motor Car Company, Omaha, Nebr. Motor-truck. No. 1,111,915; Sept. 29; Gaz. vol. 206; p. 1238.
- McKeg, Joseph T., Montour Falls, N. Y. Whip-holder. No. 1,089,424; Mar. 10; Gaz. vol. 200; p. 302.
- McKell, Thorpe J., Los Angeles, Cal. Folding table. No. 1,086,778; Feb. 10; Gaz. vol. 199; p. 465.
- McKelvey, Alvah J. (See Carr and Maddux, assignors.)
- McKelvy, John R., Greenfield, Tenn. Back-band buckle. No. 1,117,416; Nov. 17; Gaz. vol. 208; p. 758.
- McKenee, Joseph H., New York, N. Y. Concrete construction. No. 1,102,991; July 7; Gaz. vol. 204; p. 265.
- McKenna, A. (See Sellors, Edward M., assignor.)
- McKenna, Alexander G., Washington, D. C. Ingot-casting. No. 1,119,088; Dec. 1; Gaz. vol. 209; p. 66.
- McKenna, Daniel S., San Francisco, Cal. Electric switch and lock-box therefor. No. 1,103,525; July 14; Gaz. vol. 204; p. 497.
- McKenna, David J. (See Davison, Hugh, assignor.)
- McKenna, Eugene, Brackenridge, Pa. Rotary carrier. No. 1,099,186; June 9; Gaz. vol. 203; p. 322.
- McKenna, John G. (See Rogers, John, assignor.)
- McKenna, Joseph L. (See Hunt and McKenna.)
- McKenna, Parnell G. (See Hosier, Wesley, assignor.)
- McKenna, Raymond J., *et al.* (See Lynnequest, Victor, assignor.)
- McKenna, Ross F., Philadelphia, Pa. Puzzle. No. 1,118,034; Nov. 24; Gaz. vol. 208; p. 1015.
- McKently, Calvin W., Spring Valley, Pa. Spike. No. 1,118,431; Nov. 24; Gaz. vol. 208; p. 1155.
- McKenzie, Dougal J., assignor, by mesne assignments, to Chicago Title and Trust Company, Chicago, Ill. Furnace-grate. No. 1,088,833; Mar. 3; Gaz. vol. 200; p. 55.
- McKenzie, Edgar, Fremont, Mich. Rail-tie. No. 1,115,225; Oct. 27; Gaz. vol. 207; p. 1124.
- McKenzie, J. E., *et al.* (See Baum, James B., assignor.)
- McKenzie, Margaret S., East Rutherford, N. J. Lady's hat-case. No. 1,105,986; Aug. 4; Gaz. vol. 205; p. 140.
- McKenzie, Mordey, Staithes, assignor to himself, and H. G. Williams, Hungerford, England. Fastening device suitable for ships' ports. No. 1,097,249; May 19; Gaz. vol. 202; p. 790.
- McKenzie, Thomas W., assignor of one-third to J. Laufer and one-third to C. Oefftering, Indianapolis, Ind. Steering-wheel for motor-cars. No. 1,104,524; July 21; Gaz. vol. 204; p. 888.
- McKenzie, William J., Nederland, Colo. Rail-joint chair. No. 1,107,540; Aug. 18; Gaz. vol. 205; p. 776.
- McKeon, John, Chicago, Ill. Manhole-cover. No. 1,102,422; July 7; Gaz. vol. 204; p. 71.
- McKeon, Newton F. (See Felch, Theodore K., assignor.)
- McKessen & Robbins. (See Traub, Max C., assignor.)
- McKesson, Claude L., Los Angeles, Cal. Concrete-tamper. No. 1,096,445; May 12; Gaz. vol. 202; p. 469.
- McKiernan, Charles A., Wichita Falls, Tex. Two-cycle internal-combustion engine and operating engines of this type. No. 1,097,725; May 26; Gaz. vol. 202; p. 999.
- McKinlay, Alexander, Dunedin, New Zealand. Egg-beater. No. 1,101,560; June 30; Gaz. vol. 203; p. 1282.
- McKinley, Benjamin P., assignor to Metal Specialties Company, Kansas City, Mo. Support for conduit outlet-boxes. No. 1,098,581; June 2; Gaz. vol. 203; p. 78.
- McKinley, Oscar L., Demopolis, Ala. Harrow. No. 1,109,442; Sept. 1; Gaz. vol. 206; p. 207.
- McKinney, Arthur L., and L. H. Zeigler, Redkey, Ind. Shutter-operator for cameras. No. 1,108,458; Aug. 25; Gaz. vol. 205; p. 1143.
- McKinney, Harry K., Kansas City, Mo. Carriage attachment for desk-telephones. No. 1,085,693; Feb. 3; Gaz. vol. 199; p. 40.
- McKinney, James P., Pittsburgh, Pa. Hinge. No. 1,097,458; May 19; Gaz. vol. 202; p. 862.
- McKinney, John W., Tyrone, Pa. Trolley-harp. No. 1,098,456; June 2; Gaz. vol. 203; p. 35.
- McKinnie, Earl C., assignor to National X-Ray Reflector Company, Chicago, Ill. Light-reflecting device. No. 1,084,809; Jan. 20; Gaz. vol. 198; p. 575.
- McKinnie, Earl C., assignor to National X-Ray Reflector Company, Chicago, Ill. Light-reflecting device. No. 1,121,196; Dec. 15; Gaz. vol. 209; p. 885.
- McKinnon Dash Company. (See Notman, Robert L., assignor.)
- McKinnon, Frederick L., Aberdeen, Scotland. Grinding or pulping machine. No. 1,099,187; June 9; Gaz. vol. 203; p. 323.
- McKinnon, Lachlan E., Buffalo, N. Y. Making chains. No. 1,085,625; Feb. 3; Gaz. vol. 199; p. 16.
- McKinnon, Martin, *et al.* (See Gay, Edward O., assignor.)
- McKinnon, Walter, Tacoma, Wash. Card-holder. No. 1,086,384; Feb. 10; Gaz. vol. 199; p. 325.
- McKinstry, George W., assignor to American Optical Company, Southbridge, Mass. Reel mechanism. No. 1,097,869; May 26; Gaz. vol. 202; p. 1050.
- McKinzie, Edward R., Memphis, Tenn. Lock-switch. No. 1,101,870; June 30; Gaz. vol. 203; p. 1389.
- McKinzie, Edward R., Memphis, Tenn. Automatic lubricator. No. 1,112,821; Oct. 6; Gaz. vol. 207; p. 143.
- McKinzie, James F., La Salle, Ill. Funnel. No. 1,121,857; Dec. 22; Gaz. vol. 209; p. 1151.
- McKissack, Robert I., New Orleans, La. Liquid-fuel-gas generator. No. 1,113,029; Oct. 6; Gaz. vol. 207; p. 214.
- McKittrick, Samuel, Sandusky, Ohio. Fly-trap. No. 1,087,964; Feb. 24; Gaz. vol. 199; p. 972.

Alphabetical list of patentees—Continued.

- McKnight, John A., Louisville, Ky., assignor to The Mill-nite Mfg. Co. Shock-absorber. No. 1,104,064; July 31; Gaz. vol. 204; p. 728.
- McKnight, John A., Louisville, Ky., assignor to The Mill-nite Mfg. Co. Shock-absorber. No. 1,120,834; Dec. 15; Gaz. vol. 209; p. 756.
- McKnight, Levi G., assignor to L. G. McKnight & Son Co., Gardner, Mass. Boring and drilling machine. No. 1,113,804; Oct. 13; Gaz. vol. 207; p. 529.
- McKown, George W., Bunker Hill, Kans., assignor to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Fence-post. No. 1,117,075; Nov. 10; Gaz. vol. 208; p. 599.
- McLahlan, Oliver. (See Saladee, William H., assignor.)
- McLain, Harry H. (See Sousae and McLain.)
- McLain, John W., Crookston, Minn. Traction apparatus. No. 1,098,675; June 2; Gaz. vol. 203; p. 108.
- McLain, Laura A., Newark, Ohio. Hat-pin guard. No. 1,083,333; Jan. 6; Gaz. vol. 198; p. 25.
- McLaird, David J., assignor of one-half to J. L. Tollett, Nashville, Ark. Screen-bed. No. 1,119,621; Dec. 1; Gaz. vol. 209; p. 249.
- McLanahan, Austin. (See Potts, Louis M., assignor.)
- McLane, Lloyd L., Newark, Del. Newspaper-stand. No. 1,098,818; June 2; Gaz. vol. 203; p. 156.
- McLane, Lloyd L., Newark, Del. Vending-machine. No. 1,105,679; Aug. 4; Gaz. vol. 205; p. 32.
- McLaren, Donald, assignor of one-half to J. J. Robinson, Fort William, Ontario, Canada. Canoe motor-frame. No. 1,118,208; Nov. 24; Gaz. vol. 208; p. 1075.
- McLaren, John I. (See Wynn, Thomas H., assignor.)
- McLaren, William, and L. J. Le Clair, London, England. Blind for carriage and other windows. No. 1,100,598; June 16; Gaz. vol. 203; p. 843.
- McLaughlin, Charles W., Garrett, Ind. Rim-cementing apparatus. No. 1,098,951; June 2; Gaz. vol. 203; p. 202.
- McLaughlin, Emerson O., Moorefield, Nebr. Roller ensilage-packer. No. 1,109,443; Sept. 1; Gaz. vol. 206; p. 207.
- McLaughlin, George A., et al. (See Christman, Matthias, assignor.)
- McLaughlin, Guy P., Stockholm, assignor of one-half to W. C. McLaughlin, Portage, Me. Ironing-board. No. 1,121,744; Dec. 22; Gaz. vol. 209; p. 1109.
- McLaughlin, Harry A., Jacksonville, Fla. Attachment for rulers. No. 1,109,444; Sept. 1; Gaz. vol. 206; p. 208.
- McLaughlin, Helena G., New Orleans, La. Ice-cream packer. No. 1,093,450; Apr. 14; Gaz. vol. 201; p. 488.
- McLaughlin, Hugh. (See Benham and McLaughlin.)
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,085,056; Jan. 20; Gaz. vol. 198; p. 657.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,090,321; Mar. 17; Gaz. vol. 200; p. 655.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,096,807; May 12; Gaz. vol. 202; p. 591.
- McLaughlin, John F. (See Cutter and McLaughlin.)
- McLaughlin, Robert J., New York, N. Y. Centrifugal aerocycle. No. 1,090,322; Mar. 17; Gaz. vol. 200; p. 655.
- McLaughlin, Wharton B., New York, N. Y. Desiccating fluid substances. No. 1,090,740; Mar. 17; Gaz. vol. 200; p. 798.
- McLaughlin, William C. (See McLaughlin, Guy P., assignor.)
- McLaughlin, William J., Park City, Utah. Wrench. No. 1,121,650; Dec. 22; Gaz. vol. 209; p. 1077.
- McLaughlin, William P., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,104,209; July 21; Gaz. vol. 204; p. 777.
- McLaurin, John, assignor to Ideal Coated Paper Co., Brookfield, Mass. Embossing-machine. No. 1,114,620; Oct. 20; Gaz. vol. 207; p. 854.
- McLaurin, William W. (See Thom, George L., assignor.)
- McLaurin, William W., Brookfield, Mass. Clothing-patch. No. 1,113,030; Oct. 6; Gaz. vol. 207; p. 214.
- McLean, Andrew, Passaic, N. J. Shade-roller. No. 1,090,931; Mar. 24; Gaz. vol. 200; p. 896.
- McLean, David W., Mount Vernon, N. Y. Moistening device for dental-engine handpieces. No. 1,091,522; Mar. 31; Gaz. vol. 200; p. 1140.
- McLean, Donald G., assignor to The Randall-Faichney Company, Boston, Mass. Signaling device. No. 1,113,673; Oct. 13; Gaz. vol. 207; p. 482.
- McLean, Frank E., assignor of one-half to R. H. Browne, Muskegon, Mich. Cabinet for type-writing, adding, printing, or other analogous machines. No. 1,093,344; Apr. 14; Gaz. vol. 201; p. 454.
- McLean, Frank W., Morenci, Ariz. Automatic counting and recording mechanism. No. 1,104,307; July 21; Gaz. vol. 204; p. 810.
- McLean, Fred M., and P. Dross, Meridian, Miss. Operating mechanism for skylight-covers, &c. No. 1,120,321; Dec. 8; Gaz. vol. 209; p. 527.
- McLean, Hilliard N. A., Detroit, Mich. Sanitary closet. No. 1,107,685; Aug. 18; Gaz. vol. 205; p. 829.
- McLean, John C., Lakewood, Ohio. Antislipping device for wheels. No. 1,110,331; Sept. 15; Gaz. vol. 206; p. 604.
- McLean, Robert W., Bridgewater, assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Cotton seed huller. No. 1,088,085; Feb. 24; Gaz. vol. 199; p. 1015.
- McLean, William J., Everett, Mass. Trap. No. 1,112,077; Sept. 29; Gaz. vol. 206; p. 1289.
- McLean, William S., Vancouver, British Columbia, Canada. Saw-tooth. No. 1,105,153; July 28; Gaz. vol. 204; p. 1152.
- McLeer, Charles B. and J. F., Brooklyn, N. Y., assignors to Electric Carrier Company. Electric transportation system. No. 1,089,778; Mar. 10; Gaz. vol. 200; p. 426.
- McLeer, Joseph F. (See McLeer, Charles B. and J. F.)
- McLellan, Daniel, Hibbing, Minn. Railway-tie and fastener. No. 1,092,069; Mar. 31; Gaz. vol. 200; p. 1325.
- McLellan, Samuel T., assignor of one-eighth to J. W. Morgan and one-eighth to B. D. Cassidy, Charleston, W. Va. Wrench. No. 1,097,181; May 19; Gaz. vol. 202; p. 766.
- McLendon, Thomas S., Carrollton, Ga. Portable elevator. No. 1,108,771; Aug. 25; Gaz. vol. 205; p. 1251.
- McLeod, Alexander, Winnipeg, Manitoba, Canada. Cultivator. No. 1,087,389; Feb. 17; Gaz. vol. 199; p. 726.
- McLeod, Alexander J. (See Smith, Edgar W., assignor.)
- McLeod, Charles, assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Adjustable tongue. No. 1,113,458; Oct. 13; Gaz. vol. 207; p. 409.
- McLeod, Charles M., New York, N. Y. Treating textile fabrics. No. 1,114,501; Oct. 20; Gaz. vol. 207; p. 817.
- McLeod, Ernest G., Brockton, Mass. Fountain-pen. No. 1,093,712; Apr. 21; Gaz. vol. 201; p. 619.
- McLeod, George T., Dedham, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Shoemaker's work-bench. No. 1,104,372; July 21; Gaz. vol. 204; p. 833.
- McLeod, George T., Dedham, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Top-lift scalloper or concaver. No. 1,107,820; Aug. 18; Gaz. vol. 205; p. 875.
- McLeod, Howard D., Cleveland Heights, Ohio. Pebble grinding-mill. No. 1,110,069; Sept. 8; Gaz. vol. 206; p. 470.
- McLeod, Howard D., Cleveland Heights, Ohio. Ore-concentrating table. No. 1,110,070; Sept. 8; Gaz. vol. 206; p. 470.
- McLeod, Kenneth K., St. Paul, Minn. Milking-machine. No. 1,120,072; Dec. 8; Gaz. vol. 209; p. 439.
- McLeod, Nelson W. (See Dees and McLeod.)
- McLeod, Nelson W., assignor to The American Tire Company, St. Louis, Mo. Apparatus for forming and vulcanizing rubber articles. No. 1,118,503; Nov. 24; Gaz. vol. 208; p. 1180.
- McLeod, Nelson W., assignor to The American Tire Company, St. Louis, Mo. Apparatus for forming and vulcanizing rubber articles. No. 1,118,504; Nov. 24; Gaz. vol. 208; p. 1180.
- McLeod, Nelson W., St. Louis, Mo., and M. A. Dees, Pascagoula, Miss., assignors to American Tire Company, St. Louis, Mo. Mold for pneumatic tires. No. 1,114,280; Oct. 20; Gaz. vol. 207; p. 737.
- McLeod, Reuben A., Electra, Tex. Pipe-tongs. No. 1,096,382; May 12; Gaz. vol. 202; p. 448.
- McLeod, William A. (See Wilson and McLeod.)
- McLoughlin Brothers. (See Wiplitzhauser, August, assignor.)
- McLoughlin, James, Glen Cove, N. Y. Combination reinforcing-rod and wall-plug. No. 1,092,734; Apr. 7; Gaz. vol. 201; p. 209.
- McLoughlin, Martina G., Philadelphia, Pa. Underskirt. No. 1,089,245; Mar. 3; Gaz. vol. 200; p. 196.
- McLure, Donald, Leeburn, Ontario, Canada. Saw-set. No. 1,117,076; Nov. 10; Gaz. vol. 208; p. 600.
- McMahan, James M., Milton, Ind. Chimney-cap. No. 1,096,737; May 12; Gaz. vol. 202; p. 567.
- McMahon, Connell M., Minneapolis, Minn. Aeroplane. No. 1,084,099; Jan. 13; Gaz. vol. 198; p. 308.
- McMahon, Connell M., Minneapolis, Minn. Aeroplane. No. 1,119,363; Dec. 1; Gaz. vol. 209; p. 160.
- McMahon, James F. (See Renn, William H., assignor.)
- McMahon, John. (See Copersito, Anthony F., assignor.)
- McMahon, John F., Brooklyn, N. Y. Shoe-counter. No. 1,113,031; Oct. 6; Gaz. vol. 207; p. 215.
- McMahon, Robert G., St. Louis, Ill. Lock. No. 1,103,798; July 14; Gaz. vol. 204; p. 596.
- McMahon, William, Norwich, N. Y. Milking-stool. No. 1,122,143; Dec. 22; Gaz. vol. 209; p. 1248.
- McMane, William, and B. F. Carpenter, Summit, N. J. Truck-ladder. No. 1,090,222; Mar. 17; Gaz. vol. 200; p. 621.
- McManis, John V., Montgomery City, and W. L. Sherwood, Kirksville, Mo.; said Sherwood assignor to said McManis. Osteopathic table. No. 1,085,457; Jan. 27; Gaz. vol. 198; p. 831.
- McManus, James P. (See Breckenridge, George M., assignor.)
- McMartin, Malcolm J., assignor to Duluth Corrugating & Roofing Company, Duluth, Minn. Metallic bin. No. 1,096,312; May 12; Gaz. vol. 202; p. 425.

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- McMeen & Miller. (See Hulfish, David S., assignor.)
- McMeen & Miller. (See Miller, Kempster B., assignor.)
- McMeen & Miller. (See Miller and Ashley, assignors.)
- McMenamin, Joseph C., assignor to The Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Packing-box for globes. No. 1,119,089; Dec. 1; Gaz. vol. 209; p. 66.
- McMenamin, Peter P., Jersey City, N. J. Fly-paper holder. No. 1,099,461; June 9; Gaz. vol. 203; p. 418.
- McMichael, James A., Toledo, Ohio. Guard for incandescent lamps. No. 1,085,750; Feb. 3; Gaz. vol. 199; p. 61.
- McMillan, Alexander, Chelan, Wash. Base-ball apparatus. No. 1,086,067; Feb. 3; Gaz. vol. 199; p. 176.
- McMillan, Alexander, Chelan, Wash. Base-ball apparatus. No. 1,114,012; Oct. 20; Gaz. vol. 207; p. 640.
- McMillan, Charles D., Tekamah, Nebr. Adjustable pad for horse-collars. No. 1,084,891; Jan. 20; Gaz. vol. 198; p. 602.
- McMillan, Clarence, *et al.* (See Elliott, Thaddeus V., assignor.)
- McMillan, George T., Bushnell, S. D. Cushioned wheel. No. 1,102,423; July 7; Gaz. vol. 204; p. 72.
- McMillan, Hugh P., assignor to W. A. Tottle & Co., Baltimore, Md. Brush. No. 1,105,573; July 28; Gaz. vol. 204; p. 1302.
- McMillan, Isaac, Thru Valley, British Columbia, Canada, assignor to E. C. Atkins and Company, Indianapolis, Ind. Combined saw set and gage. No. 1,115,709; Nov. 3; Gaz. vol. 208; p. 83.
- McMillan, John L., Syracuse, N. Y. Loose-leaf binder. No. 1,106,825; Aug. 11; Gaz. vol. 205; p. 477.
- McMillan, John L., Syracuse, N. Y. Loose-leaf book. No. 1,121,197; Dec. 15; Gaz. vol. 209; p. 885.
- McMillan, Moses C., Wilmington, Ohio. Hinge for umbrella-ribs. No. 1,103,799; July 14; Gaz. vol. 204; p. 596.
- McMillen, Robert S., Pittsburgh, Pa. Bit-gage. No. 1,105,154; July 28; Gaz. vol. 204; p. 1152.
- McMillin, Frank E., Brooklyn, assignor of one-half to H. H. Shults, Gowanda, N. Y. Mail-bag holder. No. 1,117,880; Nov. 17; Gaz. vol. 208; p. 922.
- McMillin, Stewart E., Lawrence, Kans. Lock for whip-stocks. No. 1,101,871; June 30; Gaz. vol. 203; p. 1389.
- McMullen, George W., Picton, Ontario, Canada. Stabilizing milk and product thereof. No. 1,086,385; Feb. 10; Gaz. vol. 199; p. 325.
- McMullen, Robert V., Santa Maria, Cal. Steam-engine. No. 1,095,968; May 5; Gaz. vol. 202; p. 269.
- McMurray, Charles A., Chattanooga, Tenn. Way-bill carriage. No. 1,119,440; Dec. 1; Gaz. vol. 209; p. 186.
- McMurray, William, Mount Pleasant township, Westmoreland county, and P. B. Rule, Greensburg, Pa. Oven-door. No. 1,120,835; Dec. 15; Gaz. vol. 209; p. 757.
- McMurtrie, Adnah, assignor to Thomas & Betts Company, New York, N. Y. Electrical outlet-box and the like. No. 1,105,284; July 28; Gaz. vol. 204; p. 1198.
- McMurtrie, Adnah, assignor to Thomas & Betts Company, New York, N. Y. Coiling-machine. No. 1,117,684; Nov. 17; Gaz. vol. 208; p. 854.
- McMurtrie, Adnah, assignor to Thomas & Betts Company, New York, N. Y. Coiling-machine. No. 1,117,685; Nov. 17; Gaz. vol. 208; p. 855.
- McMurtrie, Adnah, assignor to Thomas & Betts Company, New York, N. Y. Machine for forming spiral tubing. No. 1,117,686; Nov. 17; Gaz. vol. 208; p. 855.
- McMurtrie, Adnah, assignor to Thomas & Betts Company, New York, N. Y. Coiling-machine. No. 1,117,687; Nov. 17; Gaz. vol. 208; p. 855.
- McMurtrie, Adnah, assignor to Thomas & Betts Company, New York, N. Y. Bushing for electrical conduits. No. 1,122,406; Dec. 29; Gaz. vol. 209; p. 1376.
- McMurtry, Alden L., Sound Beach, Conn. Control device for automobile self-starters. No. 1,087,454; Feb. 17; Gaz. vol. 199; p. 750.
- McMurtry, Alden L., Sound Beach, Conn. Automobile-light. No. 1,105,035; July 28; Gaz. vol. 204; p. 1112.
- McMurtry, Alden L., Sound Beach, Conn. Control-pedal for automobiles. No. 1,106,466; Aug. 11; Gaz. vol. 205; p. 350.
- McMurtry, William W., New Castle, Pa. Mortising-machine. No. 1,090,323; Mar. 17; Gaz. vol. 200; p. 656.
- McNab, Alexander, assignor to The McNab Company, Bridgeport, Conn. Automatic circulator for steam-boilers. No. 1,103,425; July 14; Gaz. vol. 204; p. 463.
- McNab Company, The. (See McNab, Alexander, assignor.)
- McNab, Norman S., Caulfield, Victoria, Australia. Machine for feeding, detaching, and affixing postage-stamps and the like to envelopes or other articles. No. 1,111,601; Sept. 22; Gaz. vol. 206; p. 1089.
- McNabb, William F., Pittsburgh, Pa. Electric furnace. No. 1,100,191; June 16; Gaz. vol. 203; p. 706.
- McNabb, William F., Pittsburgh, Pa. Electric fumigator. No. 1,102,424; July 7; Gaz. vol. 204; p. 72.
- McNall, John. (See Connin and McNall.)
- McNally, Philip T., Dunlap, Iowa. System of selective control of remote-control switches. No. 1,112,019; Sept. 29; Gaz. vol. 206; p. 1269.
- McNamara, Harry J., assignor of one-half to G. R. Holland, Brooklyn, N. Y. Floor connection for closets. No. 1,084,583; Jan. 13; Gaz. vol. 198; p. 469.
- McNamara, Thomas J. (See McCarty, Eugene J., assignor.)
- McNamee, James, Amsterdam, N. Y. Tire. No. 1,084,025; Jan. 13; Gaz. vol. 198; p. 284.
- McNamee, William, *et al.* (See Gamache, Edward E., assignor.)
- McNaughton, Charles W., and R. M. McDonald, Milwaukee, Wis. Electric trap. No. 1,117,683; Nov. 17; Gaz. vol. 208; p. 854.
- McNeer, Emerald B., Glen Wilton, Va. Combined overshoe and legging. No. 1,090,223; Mar. 17; Gaz. vol. 200; p. 621.
- McNeil, Charles. (See McNeil, John, C., and W. A.)
- McNeil, Charles, Govan, Glasgow, Scotland. Three-roller sugar-cane and like mill. No. 1,107,087; Aug. 11; Gaz. vol. 205; p. 566.
- McNeil, Charles A. (See McNeil, George S., assignor.)
- McNeil, Chester, assignor to Union Special Machine Company, Chicago, Ill. Seam-spacer for sewing-machines. No. 1,109,445; Sept. 1; Gaz. vol. 206; p. 208.
- McNeil, Chester, assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing-machines. No. 1,112,078; Sept. 29; Gaz. vol. 206; p. 1290.
- McNeil, Donald, Halifax, Nova Scotia, Canada. Level. No. 1,113,805; Oct. 13; Gaz. vol. 207; p. 529.
- McNeil, George S., Newark, N. J., assignor to C. A. McNeil, New York, N. Y. Safety-box for milk-bottles. No. 1,108,601; Aug. 25; Gaz. vol. 205; p. 1195.
- McNeil, James. (See Montgomery, Thomas, assignor.)
- McNeil, James, and R. Lienhard, Jr., Pittsburgh, Pa. Elastic spring-support. No. 1,093,143; Apr. 14; Gaz. vol. 201; p. 385.
- McNeil, James E., Los Angeles, Cal. Anti-rail-creeper. No. 1,094,736; Apr. 28; Gaz. vol. 201; p. 1026.
- McNeil, John, C., and W. A., Govan, Scotland. Hydraulic pressure-regulating gear for sugar-cane mills and the like. No. 1,095,161; Apr. 28; Gaz. vol. 201; p. 1173.
- McNeil, William A. (See McNeil, John, C., and W. A.)
- McNeill, Frank L., Worcester, Mass., assignor to New England Envelope Company. Envelop-machine. No. 1,091,229; Mar. 24; Gaz. vol. 200; p. 1000.
- McNeill, Thomas W., assignor to Reid, Murdoch & Co., Chicago, Ill. System for transporting materials in bulk. No. 1,089,851; Mar. 10; Gaz. vol. 200; p. 451.
- McNeill, Thomas W., assignor to Reid, Murdoch & Co., Chicago, Ill. Automatically closing and opening receptacles. No. 1,112,636; Oct. 6; Gaz. vol. 207; p. 81.
- McNeill, Thomas W., and I. J. Babcock, Chicago, Ill. Smoke-indicator. No. 1,103,603; July 14; Gaz. vol. 204; p. 527.
- McNerney, Edward C., Tonganoxie, Kans., assignor to Tung-Lok Silo Company, Kansas City, Mo. Silo. No. 1,109,348; Sept. 1; Gaz. vol. 206; p. 175.
- McNiff, Peter A. (See McDermott, Thomas P., assignor.)
- McNulta, Herbert, Chicago, Ill., assignor, by mesne assignments, to Rateau Steam Regenerator Company, New York, N. Y. Steam-regenerator. No. 1,097,983; May 26; Gaz. vol. 202; p. 1093.
- McNulty, Frank J., Kansas City, Mo. Railway-car. No. 1,084,653; Jan. 20; Gaz. vol. 198; p. 520.
- McNutt, Anna E., administratrix. (See McNutt, Thomas H.)
- McNutt, Hiram F., and C. E. Ballinger, Richmond, Ind. Cracker-cutter. No. 1,102,676; July 7; Gaz. vol. 204; p. 159.
- McNutt, Lindsay B., North Kingsville, Ohio. Planting-machine. No. 1,111,602; Sept. 22; Gaz. vol. 206; p. 1089.
- McNutt, Thomas H., deceased, Pine Bluff, Ark.; A. E. McNutt, administratrix, Oklahoma, Okla., assignor to The Stanley Rule & Level Company, New Britain, Conn. Level. No. 1,089,571; Mar. 10; Gaz. vol. 200; p. 356.
- McNutt, Vachel H., Rolla, Mo. Chart for use in determining minerals and other substances. No. 1,087,174; Feb. 17; Gaz. vol. 199; p. 649.
- McNutt, William H., New York, assignor to C. E. Owen, Franklin, N. Y. Torch and torch-can. No. 1,085,458; Jan. 27; Gaz. vol. 198; p. 832.
- McNutt, William H., New York, assignor to C. E. Owen, Franklin, N. Y. Safety-closure. No. 1,093,576; Apr. 14; Gaz. vol. 201; p. 526.
- McNutt, William H., New York, assignor to C. E. Owen, Franklin, N. Y. Valved thermal device. No. 1,108,459; Aug. 25; Gaz. vol. 205; p. 1144.
- McNutt, William H., New York, assignor to C. E. Owen, Franklin, N. Y. Can-closure. No. 1,114,165; Oct. 20; Gaz. vol. 207; p. 695.
- McNutt, William H., New York, assignor to C. E. Owen, Franklin, N. Y. Apparatus for safe storage of volatile liquids. No. 1,118,299; Nov. 24; Gaz. vol. 208; p. 1106.
- McNutt, William H., New York, assignor to C. E. Owen, Franklin, N. Y. Self-closing can. No. 1,122,623; Dec. 29; Gaz. vol. 209; p. 1452.

Alphabetical list of patentees--Continued.

- McNutt, William H., New York, assignor to C. E. Owen, Franklin, N. Y. Slow-feed can. No. 1,122,624; Dec. 29; Gaz. vol. 209; p. 1452.
- McNutt, William H., New York, assignor to C. E. Owen, Franklin, N. Y. Separator for oil and gasoline. No. 1,122,625; Dec. 29; Gaz. vol. 209; p. 1452.
- McOmber, Pauline S., Hastings, Mich. Stay-pocket. No. 1,102,677; July 7; Gaz. vol. 204; p. 159.
- McPhayden, John A., assignor of one-half to The S. Howes Co., Inc., Silver Creek, N. Y. Flexible conduit for sifting-machines, &c. No. 1,101,561; June 30; Gaz. vol. 203; p. 1283.
- McPherson, Arthur D., Oak Park, Ill. Bag-holding device. No. 1,118,669; Nov. 24; Gaz. vol. 208; p. 1238.
- McPherson, Frank G. and T. C., assignors to Keystone Wire Matting Co., Beaver Falls, Pa. Mat. No. 1,090,161; Mar. 17; Gaz. vol. 200; p. 599.
- McPherson, John D., Hillburn, N. Y. Tongue-switch. No. 1,085,870; Feb. 3; Gaz. vol. 199; p. 103.
- McPherson, Samuel E., assignor of one-half to H. L. Young, Cherokee, Okla. Harvester. No. 1,114,900; Oct. 27; Gaz. vol. 207; p. 1007.
- McPherson, Thomas C. (See McPherson, Frank G. and T. C.)
- McPherson, Thomas C., assignor to Keystone Wire Matting Co., Beaver Falls, Pa. Flexible mat. No. 1,083,628; Jan. 6; Gaz. vol. 198; p. 123.
- McPherson, William J., Lafontaine, Kans. Animal-trap. No. 1,110,636; Sept. 15; Gaz. vol. 206; p. 712.
- McQuarrie, James L., Montclair, N. J., assignor to Western Electric Company, New York, N. Y. Telephone toll device and circuits therefor. No. 1,117,215; Nov. 17; Gaz. vol. 208; p. 688.
- McQuarrie, James L., Montclair, N. J., assignor to Western Electric Company, New York, N. Y. Selector-switch. No. 1,122,626; Dec. 29; Gaz. vol. 209; p. 1453.
- McQueen, Finlay R., Minneapolis, Minn. Means for raising concrete-molds. No. 1,119,851; Dec. 8; Gaz. vol. 209; p. 362.
- McQueen, King D. (See Keith and McQueen.)
- McQueen, King D., Arlington, N. J. Metal-working tool. No. 1,115,226; Oct. 27; Gaz. vol. 207; p. 1124.
- McQueen, Ulysses G., New Rochelle, N. Y. Sash-pulley. No. 1,104,525; July 21; Gaz. vol. 204; p. 888.
- McQuhae, Adamina M., Toronto, Ontario, Canada. Attachment for arm-baths. No. 1,105,365; July 28; Gaz. vol. 204; p. 1231.
- McQuillen, Catherine, administratrix. (See McQuillen, Walter P.)
- McQuillen, Walter P., deceased; C. McQuillen, administratrix, Philadelphia, Pa. Garment. No. 1,088,834; Mar. 3; Gaz. vol. 200; p. 55.
- McQuown, Thomas H., Cambridge, Mass., assignor to A. A. Kent, Philadelphia, Pa. Electric contact device. No. 1,087,131; Feb. 17; Gaz. vol. 199; p. 635.
- McQuown, Thomas H., Cambridge, Mass., assignor to A. A. Kent, Philadelphia, Pa. Electric-circuit closer and breaker. No. 1,109,689; Sept. 8; Gaz. vol. 206; p. 335.
- McRae, Archie B., Sanilac county, Mich. Wagon-body support. No. 1,088,160; Feb. 24; Gaz. vol. 199; p. 1041.
- McRae, John R., Albany, N. Y., assignor to Mergenthaler Linotype Company. Linotype-machine. No. 1,088,713; Mar. 3; Gaz. vol. 200; p. 15.
- McKeynolds, James F., Sioux City, Iowa. Corn-knife. No. 1,117,216; Nov. 17; Gaz. vol. 208; p. 688.
- McRitchie, J. B. (See Bullard, Jasper F., assignor.)
- McDonald, Adelbert H., Portland, Me., and I. Daniels, Boonville, N. Y.; said McDonald assignor, by mesne assignments, to said Daniels. Machine for preparing spruce-gum for the market. No. 1,093,451; Apr. 14; Gaz. vol. 201; p. 488.
- McSorley, William B., assignor to Majestic Manufacturing Company, St. Louis, Mo. Gas and air mixer. No. 1,105,987; Aug. 4; Gaz. vol. 205; p. 140.
- McSweeney, Anthony M., Salt Lake City, Utah. Explosive-engine. No. 1,101,308; June 23; Gaz. vol. 203; p. 1144.
- McSweeney, Peter E., Springfield, Mo. Triple-valve-grinding machine. No. 1,110,506; Sept. 15; Gaz. vol. 206; p. 666.
- McTaggart, Daniel B., assignor of one-half to W. H. Woodruff, Butte, Mont. Automatic train-pipe connector. No. 1,094,670; Apr. 28; Gaz. vol. 201; p. 1002.
- McTammany Ballot Company. (See McTammany, John, assignor.)
- McTammany, John, Stamford, Conn. Automatic type-writer operator. No. 1,106,397; Aug. 11; Gaz. vol. 205; p. 323.
- McTammany, John, Spencer, Mass., assignor, by mesne assignments, to McTammany Ballot Company, Portland, Me. Voting-machine. No. 1,108,384; Aug. 25; Gaz. vol. 205; p. 1119.
- McTavish, Harry, Eldon, Prince Edward Island, Canada. Folding box or crate. No. 1,105,285; July 28; Gaz. vol. 204; p. 1198.
- McTurk, Morton H., Philadelphia, Pa. Coal-breaker. No. 1,121,931; Dec. 22; Gaz. vol. 209; p. 1176.
- McTurnan, Lea. (See McClintock and McTurnan.)
- McVay, Cecilia D., Philadelphia, Pa. Safety device for ladies' hand-bags, pocket-books, purses, muffs, &c. No. 1,119,852; Dec. 8; Gaz. vol. 209; p. 362.
- McVay, Zadock, Double Springs, Ala. Acetylene-gas generator. No. 1,094,003; Apr. 21; Gaz. vol. 201; p. 715.
- McVicar, Robert, St. Paul, Minn. Automatic driving-box lubricator. No. 1,117,881; Nov. 17; Gaz. vol. 208; p. 922.
- McVoy, Vincen P., Mobile, Ala. Hose-nozzle. No. 1,116,094; Nov. 3; Gaz. vol. 208; p. 215.
- McWane, Charles W., assignor to Lynchburg Foundry Company, Lynchburg, Va. Plow. No. 1,102,067; June 30; Gaz. vol. 203; p. 1461.
- McWhinney, Edwin S., Denver, Colo. Disappearing bed. No. 1,118,788; Nov. 24; Gaz. vol. 208; p. 1277.
- McWhirter, John S., New York, N. Y. Journal-box lid. No. 1,096,383; May 12; Gaz. vol. 202; p. 448.
- McWhirter, John S., New York, N. Y. Conduit contact-pole for electric railways. No. 1,097,250; May 19; Gaz. vol. 202; p. 791.
- McWhorter, James L., La Fayette, Ga. Ink-bottle. No. 1,090,555; Mar. 17; Gaz. vol. 200; p. 738.
- McWilliams, Arthur C., Chicago, Ill. Combined motor-starter and circuit-breaker. No. 1,092,281; Apr. 7; Gaz. vol. 201; p. 55.
- McWilliams, Arthur C., Chicago, Ill. Washing-machine. No. 1,121,275; Dec. 15; Gaz. vol. 209; p. 910.
- McWilliams, Arthur C., Chicago, Ill. Motor-starter. No. 1,121,567; Dec. 15; Gaz. vol. 209; p. 1012.
- McWilliams, Arthur C., South Bend, Ind. Fixture-support. No. 1,121,568; Dec. 15; Gaz. vol. 209; p. 1013.
- McWorter, John E., St. Louis, Mo. Flying-machine. No. 1,114,167; Oct. 20; Gaz. vol. 207; p. 696.
- McWorter, John E., St. Louis, Mo. Aeroplane. No. 1,115,710; Nov. 3; Gaz. vol. 208; p. 84.
- Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Water-heater. No. 1,101,872; June 30; Gaz. vol. 203; p. 1390.
- Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Automatic water-heater. No. 1,103,800; July 14; Gaz. vol. 204; p. 596.
- Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Instantaneous water-heater. No. 1,103,801; July 14; Gaz. vol. 204; p. 597.
- Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Thermostatic gas cut-off for water-heaters. No. 1,108,772; Aug. 25; Gaz. vol. 205; p. 1251.
- Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Gas-burner. No. 1,108,773; Aug. 25; Gaz. vol. 205; p. 1252.
- Mead, Albert A., Lee, assignor to J. Stone & Company Limited, Deptford, England. Ventilating means for railway and other vehicles. No. 1,098,329; May 26; Gaz. vol. 202; p. 1212.
- Mead, Charles M., assignor of one-half to M. M. Worster, Los Angeles, Cal. Double-deck web bed- and- platen printing-press. No. 1,121,745; Dec. 22; Gaz. vol. 209; p. 1110.
- Mead, Clarence E., Niagara Falls, N. Y., assignor, by mesne assignments, to Central Trust Company of New York, trustee. Generator-suspension member. No. 1,105,988; Aug. 4; Gaz. vol. 205; p. 140.
- Mead, Cyrus E., assignor to The Mead Engine Company, Dayton, Ohio. Valve-actuating device for explosive-engines. No. 1,111,665; Sept. 22; Gaz. vol. 206; p. 1112.
- Mead, Elias, Passaic, N. J. Holder for curtains and the like. No. 1,099,660; June 9; Gaz. vol. 203; p. 486.
- Mead Engine Company, The. (See Mead, Cyrus E., assignor.)
- Mead, Larkin J., assignor to Aurora Corset Company, Aurora, Ill. Corset. No. 1,090,932; Mar. 24; Gaz. vol. 200; p. 896.
- Mead, Marvin H., Passaic, N. J. Mount for specimens. No. 1,090,403; Mar. 17; Gaz. vol. 200; p. 685.
- Mead, Marvin H., Passaic, N. J. Sericulture. No. 1,096,116; May 12; Gaz. vol. 202; p. 357.
- Mead-Morrison Manufacturing Company. (See Dale, Orton G., assignor.)
- Mead-Morrison Manufacturing Company. (See McClellon, James M., assignor.)
- Mead, William A. (See Mennis and Mead.)
- Meade, Richard K., Roland Park, Md. Waterproof concrete and making the same. No. 1,092,933; Apr. 14; Gaz. vol. 201; p. 313.
- Meadoff, Abraham S., assignor to Suspension Bed Spring Manufacturing Company, New York, N. Y. Folding cot-bed. No. 1,110,812; Sept. 15; Gaz. vol. 206; p. 774.
- Meador, A. G. (See Meador, Lenerd E., assignor.)
- Meador, Lenerd E., assignor of one-half to A. G. Meador, Johnsville, Tex. Cotton-bale-tie antibuckler. No. 1,087,032; Feb. 10; Gaz. vol. 199; p. 549.
- Meadows, Floyd A., assignor of one-half to F. A. Bonds, Pearisburg, Va. Seed-dropping attachment for hoe-handles. No. 1,085,218; Jan. 27; Gaz. vol. 198; p. 750.
- Meadows, Harold G., assignor to J. G. Dudley, Buffalo, N. Y. Bar for reinforced concrete construction. No. 1,107,434; Aug. 18; Gaz. vol. 205; p. 740.
- Meads, O. J. (See Starr, George B., assignor.)
- Mearley, Albert D., Bowling Green, Ohio. Minnow-net. No. 1,084,892; Jan. 20; Gaz. vol. 198; p. 603.

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- Meahl, Philip J., Summit, N. J. Perforating-machine. No. 1,100,192; June 16; Gaz. vol. 203; p. 706.
- Meahl, Philip J., Summit, N. J. Machine for making master-sheets. No. 1,118,302; Nov. 24; Gaz. vol. 208; p. 1107.
- Meaker, John W., Detroit, Mich. Mechanism for operating flush-valves. No. 1,087,542; Feb. 17; Gaz. vol. 199; p. 780.
- Meaker, John W., Detroit, Mich. Valve for explosive-engines. No. 1,088,714; Mar. 3; Gaz. vol. 200; p. 15.
- Meaker, John W., Detroit, Mich. Mechanism for operating flush-tank valves. No. 1,092,586; Apr. 7; Gaz. vol. 201; p. 160.
- Mealand, Arthur J., Canton, Ohio. Novelty entertainment device. No. 1,099,188; June 9; Gaz. vol. 203; p. 323.
- Mealey, Robert C., Minneapolis, Minn. Multicylinder-pump. No. 1,109,349; Sept. 1; Gaz. vol. 206; p. 175.
- Means, Able C., Clemville, Tex. Drill-collar. No. 1,121,386; Dec. 15; Gaz. vol. 209; p. 949.
- Means, Claude, Harris, Kans. Corn-harvester. No. 1,087,455; Feb. 17; Gaz. vol. 199; p. 750.
- Means, John D. (See Wallace and Means.)
- Means, John H., Mayville, Wis. Cooling system for blast-furnaces. No. 1,102,281; July 7; Gaz. vol. 204; p. 21.
- Means, Thomas D. (See Wallace and Means.)
- Meara, Edward F., Trenton, N. J. Fire-extinguisher. No. 1,099,306; June 9; Gaz. vol. 203; p. 363.
- Mears, William N., Brookline, Mass. Packing. No. 1,106,467; Aug. 11; Gaz. vol. 205; p. 350.
- Mears, William N., assignor to American Rotary Motor Company, Boston, Mass. Rotary motor. No. 1,118,505; Nov. 24; Gaz. vol. 208; p. 1181.
- Meattauer, Frank, assignor to Pacific Automobile Life Saving Fender Manufacturing Company, Los Angeles, Cal. Automobile-fender. No. 1,120,073; Dec. 8; Gaz. vol. 209; p. 439.
- Mecera, Josef, Washington, D. C. Playing device for zithers and the like. No. 1,097,106; May 19; Gaz. vol. 202; p. 740.
- Mech. Bandfabrik Goldberg & Co. (See Goldberg and Ludwigs, assignors.)
- Mechanical Appliance Company, The. (See Ford, Frederick H., assignor.)
- Mechanical Process Manufacturing Company, The. (See Hagemeyer, Henry F., assignor.)
- Mechler, Charles F., Chicago, Ill. Composing-stick. No. 1,102,778; July 7; Gaz. vol. 204; p. 195.
- Mechling, William W., Munhall, and J. E. Smith, Homestead, Pa. Metal railway-tie. No. 1,085,057; Jan. 20; Gaz. vol. 198; p. 658.
- Mechocki, Joseph. (See Zeleszkiewicz, Roman, assignor.)
- Meckovsky, Joseph, Cleveland, Ohio. Toy. No. 1,087,390; Feb. 17; Gaz. vol. 199; p. 726.
- Medart, Philip S., assignor to Fred Medart Manufacturing Company, St. Louis, Mo. Gymnasium parallel bars. No. 1,111,268; Sept. 22; Gaz. vol. 206; p. 975.
- Medart, Philip S., assignor to Fred Medart Manufacturing Company, St. Louis, Mo. Rowing apparatus. No. 1,111,269; Sept. 22; Gaz. vol. 206; p. 976.
- Meder, Karl, New York, N. Y. Fishpole-tip. No. 1,116,721; Nov. 10; Gaz. vol. 208; p. 475.
- Medill, Duncan B. (See Jackson, Hinton A., assignor.)
- Medley, John R., assignor to H. E. Clark, Atlanta, Ga. Hat-box. No. 1,099,142; June 2; Gaz. vol. 203; p. 262.
- Medve, Alexander, Mohawk, Mich. Antiskid attachment. No. 1,104,526; July 21; Gaz. vol. 204; p. 889.
- Medveczky, Julius F., San Francisco, Cal. Live-motion advertising device. No. 1,095,410; May 5; Gaz. vol. 202; p. 81.
- Medveczky, Julius F., San Francisco, Cal. Parachute attachment for aeroplanes. No. 1,116,312; Nov. 3; Gaz. vol. 208; p. 287.
- Meece, Reina E., Dahinda, Ill. Block-forming machine. No. 1,119,095; Dec. 1; Gaz. vol. 209; p. 69.
- Meeh, Karl, Hohenstein-Ernstthal, Germany. Latch-needle. No. 1,094,737; Apr. 28; Gaz. vol. 201; p. 1027.
- Meek, Hamilton D., Polk, Iowa. Beet-harvester. No. 1,111,078; Sept. 22; Gaz. vol. 206; p. 910.
- Meek, John E., New York, N. Y., assignor to H. W. Johns-Manville Company. Water-tight, sanitary floor for cars and similar structures. No. 1,091,073; Mar. 24; Gaz. vol. 200; p. 945.
- Meeker, Frederick F., Westport, Conn. Cultivator. No. 1,111,967; Sept. 29; Gaz. vol. 206; p. 1253.
- Meeker, William J. (See Hazelring and Meeker.)
- Meeks, Anna J., assignor of one-half to J. W. Meeks, Jennings, La. Grain header and conveyer. No. 1,092,735; Apr. 7; Gaz. vol. 201; p. 210.
- Meeks, John H., et al. (See Jolliffe, Mark B., assignor.)
- Meeks, John W. (See Meeks, Anna J., assignor.)
- Meenach, Joshua D. (See Buzard and Peterson, assignors.)
- Meenaghan, William J., Amarillo, Tex. Railway safety device. No. 1,085,694; Feb. 3; Gaz. vol. 199; p. 40.
- Meepos, Max, San Antonio, Tex. Permutation-lock. No. 1,117,417; Nov. 17; Gaz. vol. 208; p. 759.
- Meer, Gustav ter, Hanover, Germany. Centrifugal machine. No. 1,094,230; Apr. 21; Gaz. vol. 201; p. 790.
- Mees, Elias. (See Workman, Edward E., assignor.)
- Mees, Gustav, Charlottenburg, Germany. Flying-machine. No. 1,096,045; May 12; Gaz. vol. 202; p. 333.
- Megahan, Oliver P., Westerville, Ohio. Railway-tie. No. 1,096,046; May 12; Gaz. vol. 202; p. 333.
- Megahan, Oliver P., Westerville, Ohio. Railway-tie. No. 1,115,227; Oct. 27; Gaz. vol. 207; p. 1125.
- Megahan, Oliver P., Westerville, Ohio. Railway-tie. No. 1,115,228; Oct. 27; Gaz. vol. 207; p. 1125.
- Megahan, Oliver P., Westerville, Ohio. Railway-tie. No. 1,119,853; Dec. 8; Gaz. vol. 209; p. 362.
- Megan, Frederick R., Kansas City, Mo. Disinfecting appliance. No. 1,117,217; Nov. 17; Gaz. vol. 208; p. 689.
- Mégevet, Charles J., and L. Picker, Geneva, Switzerland. Carbureter for internal-combustion engines. No. 1,090,556; Mar. 17; Gaz. vol. 200; p. 738.
- Megill, William S. C., National Home, Wis. Cuspidor. (Reissue.) No. 13,726; May 12; Gaz. vol. 202; p. 597.
- Megosin Company. (See Johnson, Wilner E., assignor.)
- Megosin Company. (See Menden, William S., assignor.)
- Megown, John D., Youngstown, Ohio. Camera-back. No. 1,104,527; July 21; Gaz. vol. 204; p. 889.
- Megraw, Herbert A., New York, N. Y. Mining-screen. No. 1,090,933; Mar. 24; Gaz. vol. 200; p. 896.
- Megredy, John T. (See Edwards, Harry C., assignor.)
- Megredy, John T., Kansas City, Mo. Deflector. No. 1,096,313; May 12; Gaz. vol. 202; p. 425.
- Mehlin, Charles, Fort Lee, N. J. Fall-board for grand pianos. No. 1,085,927; Feb. 3; Gaz. vol. 199; p. 123.
- Mehlin, Charles, Fort Lee, N. J. Piano-plate for upright pianos. No. 1,090,324; Mar. 17; Gaz. vol. 200; p. 656.
- Mehlum, Casper, Cambridge, Mass. Collapsible mandrel. No. 1,093,284; Apr. 14; Gaz. vol. 201; p. 434.
- Mehrlust, Jacob, New York, N. Y. Finger-ring. No. 1,099,810; June 9; Gaz. vol. 203; p. 537.
- Mehrmaun, William, Brooklyn, N. Y. Hanger for picture-frames. No. 1,107,686; Aug. 18; Gaz. vol. 205; p. 829.
- Meibach, Jacob and L., New York, N. Y. Ironing-board attachment for tables. No. 1,100,599; June 16; Gaz. vol. 203; p. 844.
- Meibach, Louis. (See Meibach, Jacob and L.)
- Meidenbauer, William, Waukesha, Wis. Motor-plow. No. 1,113,806; Oct. 13; Gaz. vol. 207; p. 529.
- Meldroth, William F. (See Hovenden, George H., assignor.)
- Meier, Adolphus G., assignor to The Meier Dental Manufacturing Company, St. Louis, Mo. Tooth-straightening appliance. No. 1,114,624; Oct. 20; Gaz. vol. 207; p. 856.
- Meier, Albert J. (See Reed, Reller, Swift, and Meier.)
- Meier, Albert J., Glendale, W. L. Swift, and E. L. Reller, assignors to The Duplex Adding Machine Company, St. Louis, Mo. Calculating-machine. No. 1,118,670; Nov. 24; Gaz. vol. 208; p. 1238.
- Meier Dental Manufacturing Company, The. (See Meier, Adolphus G., assignor.)
- Meier, Edward D., Ridgefield, Conn. Superheater for boilers. No. 1,114,785; Oct. 27; Gaz. vol. 207; p. 966.
- Meier, Harry W., assignor to H. W. Meier and Company, Baltimore, Md. Articulation of dolls. No. 1,091,944; Mar. 31; Gaz. vol. 200; p. 1286.
- Meier, Henry B., Port Chester, N. Y. Automatic time contact-switch. No. 1,092,736; Apr. 7; Gaz. vol. 201; p. 210.
- Meier, Henry B., Port Chester, N. Y. Feed-hopper. No. 1,107,088; Aug. 11; Gaz. vol. 205; p. 566.
- Meier, John, assignor of one-half to T. S. Miller, Jr., Dallas, Tex. Centrifugal suction-fan. No. 1,089,572; Mar. 10; Gaz. vol. 200; p. 356.
- Meier, John F., et al. (See Donnell, William F., assignor.)
- Meier, William, New York, N. Y. Lock. No. 1,091,368; Mar. 24; Gaz. vol. 200; p. 1043.
- Meighan, Charles E., Revere, Mass. Ball-bearing rotary ventilator-ring. No. 1,084,464; Jan. 13; Gaz. vol. 198; p. 428.
- Meigs, Curtis C., Charleston, S. C. Electrical apparatus for effecting the chemical combination of gases. No. 1,116,606; Nov. 10; Gaz. vol. 208; p. 434.
- Meigs, Curtis C., Charleston, S. C. Producing nitric and sulfuric acids. No. 1,120,960; Dec. 15; Gaz. vol. 209; p. 801.
- Meigs, John F., and R. P. Stout, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Ammunition-hoisting mechanism. No. 1,084,947; Jan. 20; Gaz. vol. 198; p. 621.
- Meigs, John F., and R. P. Stout, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Ammunition-hoisting car. No. 1,105,813; Aug. 4; Gaz. vol. 205; p. 80.
- Meikle, Allan, Ignace, Ontario, Canada. Railway turntable. No. 1,122,144; Dec. 22; Gaz. vol. 209; p. 1249.
- Meikle, David, et al. (See Matthew, Amos H., assignor.)
- Meikle, James. (See Anderson, Meikle, and Fulton.)
- Meikle, James, Glasgow, Scotland. Steam-generator. No. 1,112,463; Oct. 6; Gaz. vol. 207; p. 17.
- Meikleham, Thomas M. R., New York, N. Y. Distributing and measuring system for electricity. No. 1,120,074; Dec. 8; Gaz. vol. 209; p. 440.

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- Meischke-Smith, William, London, England. Machine for delivering measured quantities of liquids. No. 1,123,133; Dec. 29; Gaz. vol. 209; p. 1632.
- Meisenburg, Kurt. (See Delbrück and Meisenburg.)
- Meisenburg, Kurt. (See Hofmann, Coutelle, Delbrück, and Meisenburg.)
- Meisenhelter, Crispin S., assignor to G. Meisenhelter, York, Pa. Ice-cream freezer. No. 1,113,807; Oct. 13; Gaz. vol. 207; p. 530.
- Meisenhelter, Gustus. (See Meisenhelter, Crispin S., assignor.)
- Meiser, George H., Chicago, Ill., assignor to Excelsior Supply Company. Motor-cycle frame. No. 1,084,654; Jan. 20; Gaz. vol. 198; p. 520.
- Meisselbach-Catucci Manufacturing Company. (See Catucci, Philny, assignor.)
- Meisselbach-Catucci Manufacturing Company. (See Pederquist, Ernest, assignor.)
- Meisselbach-Catucci Mfg. Co. (See Zusi, Norman E., assignor.)
- Meissner, Otto, Coswig, Germany. Carbureter. No. 1,103,802; July 14; Gaz. vol. 204; p. 597.
- Meissner, Otto, Coswig, Germany. Float-chamber for carbureters. No. 1,103,803; July 14; Gaz. vol. 204; p. 598.
- Meister, Henry, and G. Birnbach, Portland, Ore. Ruler. No. 1,086,545; Feb. 10; Gaz. vol. 199; p. 382.
- Mejani, Paolo, Chiavari, Italy. Feed-water heater. No. 1,091,369; Mar. 24; Gaz. vol. 200; p. 1043.
- Melamid, Meilich, Freiburg, Germany. Treating mineral oils. No. 1,092,448; Apr. 7; Gaz. vol. 201; p. 113.
- Melander, August W., assignor to S. J. Sterner, San Francisco, Cal. Door-stop. No. 1,111,485; Sept. 22; Gaz. vol. 206; p. 1049.
- Melanson, Abel D., Lynn, Mass. Spark-plug. No. 1,101,137; June 23; Gaz. vol. 203; p. 1086.
- Melanson, Henry H., Moncton, New Brunswick, Canada. Number-displayer. No. 1,097,984; May 26; Gaz. vol. 202; p. 1093.
- Melanson, Ranchford B., Lynn, assignor of one-half to J. P. Bauer, Marblehead, Mass. Turned shoe. No. 1,098,819; June 2; Gaz. vol. 203; p. 156.
- Melas, William, Ridley Park, assignor of one-half to D. Townsend, Philadelphia, Pa. Blast-pressure-regulating valve. No. 1,086,681; Feb. 10; Gaz. vol. 199; p. 429.
- Melas, William, Ridley Park, assignor of one-half to D. Townsend, Philadelphia, Pa. Oil or gas fired revolving heating-furnace. No. 1,114,786; Oct. 27; Gaz. vol. 207; p. 967.
- Melas, William, Ridley Park, assignor of one-half to D. Townsend, Philadelphia, Pa. Oil-burner attachment. No. 1,118,506; Nov. 24; Gaz. vol. 208; p. 1181.
- Melas, William, assignor of one-half to D. Townsend, Philadelphia, Pa. Crucible melting-furnace. No. 1,086,835; Feb. 10; Gaz. vol. 199; p. 484.
- Melasse-Schlempe G. m. b. H. (See Stoltzenberg, Hugo, assignor.)
- Melberg, Miller L., Bloomer, Wis. Soil-tester. No. 1,109,446; Sept. 1; Gaz. vol. 206; p. 208.
- Melbourn, Jesse. (See Barton, Melbourne, Needham, and Green.)
- Melcher, Alphonso M., assignor of one-half to H. E. Gerlach, Weyauwega, Wis. Clothes-reel. No. 1,122,527; Dec. 29; Gaz. vol. 209; p. 1418.
- Melcher, Edna L., administratrix. (See Hollis and Melcher.)
- Melcher, Frank O. (See Hollis and Melcher.)
- Melcher, George W. (See Stahl, Isaac S., assignor.)
- Melchers, John S., New York, N. Y. Centrifugal blower. No. 1,109,133; Sept. 1; Gaz. vol. 206; p. 97.
- Melchert, Charles A., Kansas City, Mo. Vending-machine. No. 1,098,582; June 2; Gaz. vol. 203; p. 79.
- Melde, William, Marengo, Ill. Molding-machine for roofing-tiles. No. 1,114,168; Oct. 20; Gaz. vol. 207; p. 697.
- Meledonian, Sarkis, Seattle, Wash. Trunk-fastener. No. 1,088,917; Mar. 3; Gaz. vol. 200; p. 83.
- Melisch, John, assignor of one-half to J. Zboyoski, Benld, Ill. Ice crusher or grater. No. 1,092,658; Apr. 7; Gaz. vol. 201; p. 184.
- Melisch, John, assignor of one-third to J. Zboyoski, Benld, Ill. Barrel-tap. No. 1,096,117; May 12; Gaz. vol. 202; p. 357.
- Mellard, Matthew, Sacramento, Cal. Aeroplane. No. 1,097,038; May 19; Gaz. vol. 202; p. 716.
- Melleck, Andrew, Braddock, Pa. Collapsible container. No. 1,116,460; Nov. 10; Gaz. vol. 208; p. 379.
- Mellen, Grenville, East Orange, N. J. Separating and recovering volatilized matter. No. 1,097,135; May 19; Gaz. vol. 202; p. 751.
- Mellen, Grenville, Mount Vernon, N. Y. Crucible-furnace. No. 1,120,732; Dec. 15; Gaz. vol. 209; p. 721.
- Mellen, Grenville, East Orange, N. J., assignor of one-half to United Aluminum Ingot Company. Making extruded articles of metal or other material. No. 1,092,934; Apr. 14; Gaz. vol. 201; p. 313.
- Mellen, Grenville, East Orange, N. J., assignor of one-half to United Aluminum Ingot Company. Flux for purifying aluminum and its alloys. No. 1,092,935; Apr. 14; Gaz. vol. 201; p. 314.
- Mellen, Grenville, East Orange, N. J., assignor of one-half to United Aluminum Ingot Company. Purifying aluminum and its alloys. No. 1,092,936; Apr. 14; Gaz. vol. 201; p. 314.
- Mellen, Grenville, East Orange, N. J., assignor of one-half to United Aluminum Ingot Company. Apparatus for making extruded articles of metal or other material. No. 1,092,937; Apr. 14; Gaz. vol. 201; p. 314.
- Mellen, Grenville, East Orange, N. J., assignor of one-half to United Aluminum Ingot Company. Melting-furnace. No. 1,092,938; Apr. 14; Gaz. vol. 201; p. 314.
- Meller-Zakomelsky, Michel, New York, N. Y. Engine-starter. No. 1,101,465; June 23; Gaz. vol. 203; p. 1197.
- Melling, Herman, Jackson, Mich. Die-sinking cutter. No. 1,115,855; Nov. 3; Gaz. vol. 208; p. 132.
- Melling, William M., assignor of forty-five one-hundredths to A. Doerfler, Chicago, Ill. Timing device. No. 1,087,803; Feb. 17; Gaz. vol. 199; p. 870.
- Mellinger, Aldus M., Ephrata, Pa. Weather-vane. No. 1,093,062; Apr. 14; Gaz. vol. 201; p. 356.
- Mellinger, Chester A., H. R. Harrigan, B. D. Coppage, H. G. McDowell, J. W. Vedder, Wilmington, and C. J. Strobel, Elsmere, assignors to The Pusey & Jones Company, Wilmington, Del. Paper-making machine. No. 1,118,366; Nov. 24; Gaz. vol. 208; p. 1131.
- Mellinger, Edward A., assignor to Automatic Electric Company, Chicago, Ill. Automatic trunking system. No. 1,110,071; Sept. 8; Gaz. vol. 206; p. 470.
- Mellinger, Edward A., assignor to Automatic Electric Company, Chicago, Ill. Telephone-testing system. No. 1,113,937; Oct. 13; Gaz. vol. 207; p. 575.
- Mellis, George, London, England. Nut-lock. No. 1,116,095; Nov. 3; Gaz. vol. 208; p. 215.
- Mellon, George A., St. Louis, Mo. Spring bed-bottom. No. 1,084,948; Jan. 20; Gaz. vol. 198; p. 621.
- Mellon, George A., St. Louis, Mo. Spring bed-bottom. No. 1,094,373; Apr. 21; Gaz. vol. 201; p. 835.
- Mellon, George A., St. Louis, Mo. Spring bed-bottom. No. 1,103,526; July 14; Gaz. vol. 204; p. 498.
- Mellon, R. B. (See Strong, William W., assignor.)
- Mellon, R. B. (See Strong and Nesbit, assignors.)
- Mellor, Norman. (See Malaby, Ira B., assignor.)
- Melnik, George, New York, N. Y. Tire-armor. No. 1,114,787; Oct. 27; Gaz. vol. 207; p. 967.
- Meloon, Jonathan C., Providence, R. I., assignor to General Fire Extinguisher Company, New York, N. Y. Fusible device. No. 1,093,063; Apr. 14; Gaz. vol. 201; p. 356.
- Melotz, Marie, Omaha, Nebr. Egg-carrier. No. 1,121,932; Dec. 22; Gaz. vol. 209; p. 1176.
- Melton, James E., Senatobia, Miss. Coal-grate damper. No. 1,113,032; Oct. 6; Gaz. vol. 207; p. 215.
- Meltzer, Edward, New York, N. Y., assignor to Hydrocarbon Burner & Manufacturing Company, Hoboken, N. J. Hydrocarbon vaporizer and burner. No. 1,113,231; Oct. 13; Gaz. vol. 207; p. 327.
- Melville, Alvin. (See Murray and Melville.)
- Melville Clark Piano Company. (See Clark, Ernest G., assignor.)
- Melville Clark Piano Company. (See Clark, Melville, assignor.)
- Melville, Herbert J., Pittsburgh, Pa., assignor of one-half to R. A. McDonald, Chicago, Ill. Rail-stop. No. 1,104,528; July 21; Gaz. vol. 204; p. 889.
- Melville, John, Quartz, Cal. Resilient hub. No. 1,085,352; Jan. 27; Gaz. vol. 198; p. 798.
- Melville, Thomas, Dunedin, New Zealand. Dot-and-dash-code recorder. No. 1,088,161; Feb. 24; Gaz. vol. 199; p. 1041.
- Melvin, Charles H., assignor to Deere & Company, Moline, Ill. Draft device. No. 1,085,148; Jan. 27; Gaz. vol. 198; p. 726.
- Melvin, Charles H., Moline, Ill., assignor to Deere & Company. Cultivator. No. 1,096,852; May 19; Gaz. vol. 202; p. 650.
- Melvin, Charles H., Moline, Ill., assignor to Deere & Company. Plow. No. 1,112,149; Sept. 29; Gaz. vol. 206; p. 1314.
- Melvin, Charles H., Moline, Ill., assignor to Deere & Company. Plow. No. 1,112,150; Sept. 29; Gaz. vol. 206; p. 1315.
- Melvin, Lawrence P. (See Sailer, Arthur G., assignor.)
- Melvin, Samuel A., Meadville, Pa. Sign-holder. No. 1,102,425; July 7; Gaz. vol. 204; p. 72.
- Melzer, Max, Buchholz, Germany, assignor to S. Basch, New York, N. Y. Button. No. 1,088,835; Mar. 3; Gaz. vol. 200; p. 56.
- Menard, Telephore E., Bozeman, Mont. Attachment for closet-cisterns. No. 1,114,169; Oct. 20; Gaz. vol. 207; p. 697.
- Menasses, M., et al. (See Lytle, Harry R., assignor.)
- Menchen, Carl, Munich, and F. Correll, Berlin, Germany. Coin-delivery machine. No. 1,099,661; June 9; Gaz. vol. 203; p. 486.
- Mention, Thomas H., Fall River, Mass. Crate. No. 1,107,089; Aug. 11; Gaz. vol. 205; p. 567.

Alphabetical list of patentees—Continued.

- Mendel-Drucker Company, The. (See Griffith, Michael G., assignor.)
- Mendel, John. (See Slavin and Mendel.)
- Mendel, Samuel, New York, N. Y. Automatic stock-feeder. No. 1,085,459; Jan. 27; Gaz. vol. 198; p. 832.
- Mendelson, Aaron. (See Goldberg and Mendelson.)
- Mendelson, Aaron, Brooklyn, N. Y. Salt-shaker. No. 1,113,808; Oct. 13; Gaz. vol. 207; p. 531.
- Mendelson, Aaron, and S. J. Goldberg, New York, N. Y. Cigarette-box. No. 1,101,309; June 23; Gaz. vol. 203; p. 1145.
- Mendelson, Aaron, and S. J. Goldberg, New York, N. Y. Cigar and cigarette box. No. 1,101,310; June 23; Gaz. vol. 203; p. 1145.
- Mendelson, Aaron, and S. J. Goldberg, New York, N. Y. Cigarette-box. No. 1,101,311; June 23; Gaz. vol. 203; p. 1145.
- Mendelson, Aaron, and S. J. Goldberg, New York, N. Y. Cigarette-box. No. 1,101,312; June 23; Gaz. vol. 203; p. 1146.
- Mendelson, Aaron, and S. J. Goldberg, New York, N. Y. Cigarette-box. No. 1,101,313; June 23; Gaz. vol. 203; p. 1146.
- Mendelson, Aaron, and S. J. Goldberg, New York, N. Y. Cigarette-box. No. 1,104,529; July 21; Gaz. vol. 204; p. 890.
- Mendelssohn, Herman E., New York, N. Y. Apparatus for making bifocal lenses. No. 1,085,871; Feb. 3; Gaz. vol. 199; p. 103.
- Menden, William S., Brooklyn, N. Y. Street-railway and other car. No. 1,085,149; Jan. 27; Gaz. vol. 198; p. 726.
- Menden, William S., Brooklyn, N. Y. Fender actuating and locking device. No. 1,085,150; Jan. 27; Gaz. vol. 198; p. 726.
- Menden, William S., Brooklyn, N. Y. Center-entrance car. No. 1,089,852; Mar. 10; Gaz. vol. 200; p. 451.
- Menden, William S., Brooklyn, N. Y. Door operating and control device. No. 1,094,804; Apr. 28; Gaz. vol. 201; p. 1049.
- Menden, William S., Brooklyn, N. Y. Street-railway and other car. No. 1,094,805; Apr. 28; Gaz. vol. 201; p. 1049.
- Menden, William S., Brooklyn, N. Y., assignor to Megosin Company, Inc. Car-heater. No. 1,106,334; Aug. 4; Gaz. vol. 205; p. 257.
- Mendenhall, Charles A., farmland, assignor of one-fifth to W. C. Clevenger, Parker City, and one-fifth to G. W. Ullom, Winchester, Ind. Wheel. No. 1,120,514; Dec. 8; Gaz. vol. 209; p. 595.
- Mendenhall, Hiram. (See Stocking and Mendenhall.)
- Mendenhall, John R., Searchlight, Nev. Wave-motor. No. 1,098,517; June 2; Gaz. vol. 203; p. 56.
- Mendham, Conrad F., London, England. Handle of umbrellas, walking-sticks, hand-bags, and the like. No. 1,094,738; Apr. 28; Gaz. vol. 201; p. 1027.
- Mengel Box Company. (See Schleicher, John W., assignor.)
- Menges, Albert C., assignor of one-half to J. H. Hines, Memphis, Tenn. Inlet-valve for gas-engines. No. 1,113,810; Oct. 13; Gaz. vol. 207; p. 531.
- Menges, Charles J., St. Louis, Mo. Starting device for motor-vehicles. No. 1,093,641; Apr. 21; Gaz. vol. 201; p. 593.
- Mengle, William H., Danville, Ill. Silo-filler. No. 1,113,809; Oct. 13; Gaz. vol. 207; p. 531.
- Menke, George L., Asbury Park, N. J. Glazier's tool. No. 1,091,370; Mar. 24; Gaz. vol. 200; p. 1044.
- Menne, Ernst, Creuzthal, Germany. Heating ores in two chambers or retorts arranged behind each other. No. 1,114,502; Oct. 20; Gaz. vol. 207; p. 817.
- Menesson, Georges, Troyes, France. Steam warming system. No. 1,094,231; Apr. 21; Gaz. vol. 201; p. 791.
- Menesson, Marcel. (See Goudard and Menesson.)
- Mennickheim, Frederick W., Jr., assignor of one-half to M. J. Walsh, Sussex, N. J. Spigot. No. 1,107,435; Aug. 18; Gaz. vol. 205; p. 740.
- Mennie, William, Detroit, Mich. Valve-controller. No. 1,091,945; Mar. 31; Gaz. vol. 200; p. 1286.
- Menningen, Joseph F., West Allis, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company Connector. No. 1,104,436; July 21; Gaz. vol. 204; p. 854.
- Menningen, Joseph F., West Allis, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Insulating compound. No. 1,119,441; Dec. 1; Gaz. vol. 209; p. 187.
- Menningen, Joseph F., West Allis, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Insulating composition. No. 1,119,442; Dec. 1; Gaz. vol. 209; p. 187.
- Mennis, May, and W. A. Mead, Denver, Colo. Tailor's measuring apparatus. No. 1,092,737; Apr. 7; Gaz. vol. 201; p. 210.
- Menns, Walter K., Chelsea, Mass. Stem winding and setting mechanism. No. 1,094,582; Apr. 28; Gaz. vol. 201; p. 969.
- Menns, Walter K., Chelsea, assignor to Chelsea Clock Company, Boston, Mass. Speed indicating and recording device. No. 1,089,246; Mar. 3; Gaz. vol. 200; p. 196.
- Menns, Walter K., Chelsea, assignor to Chelsea Clock Company, Boston, Mass. Winding and setting mechanism. No. 1,099,307; June 9; Gaz. vol. 203; p. 363.
- Mensik, Joseph, Lyra, Tex. Monkey-wrench. No. 1,114,170; Oct. 20; Gaz. vol. 207; p. 698.
- Menteer, J. U., et al. (See Ellis, Thomas H., assignor.)
- Menten, Herman, New York, N. Y. Safety gas-burner. No. 1,109,537; Sept. 1; Gaz. vol. 206; p. 238.
- Menten, Herman, New York, assignor of one-half to Mrs. T. Koehler, Steinway, N. Y. Hanger-bolt. No. 1,108,922; Sept. 1; Gaz. vol. 206; p. 22.
- Mentzer, Oliver A., assignor of one-half to H. E. Ransing, Lancaster, Pa. Lock-nut. No. 1,101,706; June 30; Gaz. vol. 203; p. 1332.
- Mentzer, Oliver A., assignor of one-half to H. E. Ransing, Lancaster, Pa. Wrench. No. 1,108,602; Aug. 25; Gaz. vol. 205; p. 1195.
- Menyhért, Stephen, and V. Smith, New Brunswick, N. J. Grinding implement. No. 1,089,247; Mar. 3; Gaz. vol. 200; p. 197.
- Menzel, Henry A., Santa Clara, Cal. Automatic circuit-closer for motor-vehicle starters. No. 1,086,682; Feb. 10; Gaz. vol. 199; p. 430.
- Menzel, Hermann, assignor to Berlin-Anhaltische Maschinenbau-Aktien-Gesellschaft, Berlin, Germany. Ratchet mechanism for reversible apparatus for lighting gas from a distance. No. 1,109,350; Sept. 1; Gaz. vol. 206; p. 176.
- Menzel, Hermann, assignor to Berlin-Anhaltische Maschinenbau-Aktien-Gesellschaft, Berlin, Germany. Control-valve of gas-burner-operating mechanism. No. 1,121,276; Dec. 15; Gaz. vol. 209; p. 910.
- Menzenhauer, Frederick, Jersey City, N. J. Action for keyed zithers. No. 1,113,033; Oct. 6; Gaz. vol. 207; p. 215.
- Menzies, Robert C., and J. E. Aitken, Musselburgh, Scotland. Manufacture of paper suitable for security-checks. No. 1,086,386; Feb. 10; Gaz. vol. 199; p. 326.
- Menzies, Thomas G. (See Gibb, Menzies, and Chalmers.)
- Mercantile Corporation. (See Banzett, William H., assignor.)
- Mercantile Corporation. (See Banzett and Kenny, assignors.)
- Mercantile Corporation. (See Kenny, Edmond, assignor.)
- Mercantile Corporation. (See Smith, Charles F., assignor.)
- Mercer, Charles B., West Pittston, Pa. Collapsible go-cart. No. 1,084,465; Jan. 13; Gaz. vol. 198; p. 428.
- Mercer, Frederick D., Toronto, Ontario, Canada. Mower. No. 1,085,282; Jan. 27; Gaz. vol. 198; p. 773.
- Mercer, Henry M. (See Ball and Mercer.)
- Mercer, John, New Brighton, England. Apparatus for treating smoke and fumes. No. 1,121,746; Dec. 22; Gaz. vol. 209; p. 1110.
- Mercer, Lawrence, Wilbur, W. Va. Wrench. No. 1,119,622; Dec. 1; Gaz. vol. 209; p. 249.
- Mercer, Ralph P., Burlington, Iowa. Automatic draft-regulator. No. 1,114,788; Oct. 27; Gaz. vol. 207; p. 967.
- Mercer, Robert F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,101,314; June 23; Gaz. vol. 203; p. 1146.
- Mercer, Savil D., Eldorado, Okla. Operating means for churns and other devices. No. 1,093,285; Apr. 14; Gaz. vol. 201; p. 434.
- Merchant, Charles, Ottawa, Kans. Foot control for motor-cycles. No. 1,102,940; July 7; Gaz. vol. 204; p. 248.
- Merchant & Evans Company. (See Rose, James M., assignor.)
- Merchants Co-Operative Co. (See Brockway, Ezra C., assignor.)
- Mercié, Henri A. (See Benét and Mercié.)
- Mercier, Joseph T., Chicago, Ill. Ventilator. No. 1,090,325; Mar. 17; Gaz. vol. 200; p. 656.
- Mercier, Louis A. D. (See Gray, Davie A., assignor.)
- Mercieri, Aurelio. (See Cardarelli and Mercieri.)
- Meredith, John D., Burkburnett, Tex. Pipe-tongs. No. 1,104,530; July 21; Gaz. vol. 204; p. 890.
- Meredith-Jones, Hubert, New York, N. Y. Automatic current-controller. No. 1,096,934; May 19; Gaz. vol. 202; p. 679.
- Meredith-Jones, Hubert, New York, N. Y. Pneumatic cleaner. No. 1,114,171; Oct. 20; Gaz. vol. 207; p. 698.
- Meredith-Jones, Hubert, New York, N. Y., assignor to Columbia Nut and Bolt Company, Incorporated. Bridgeport, Conn. Starting mechanism. No. 1,086,683; Feb. 10; Gaz. vol. 199; p. 430.
- Meredith-Jones, Hubert, New York, N. Y., assignor to Columbia Nut and Bolt Company, Incorporated. Bridgeport, Conn. Starting mechanism for explosive-engines. No. 1,087,965; Feb. 24; Gaz. vol. 199; p. 973.
- Meredith-Jones, Hubert, New York, N. Y., assignor to Columbia Nut and Bolt Company, Incorporated. Bridgeport, Conn. Starting mechanism for explosive-engines. No. 1,104,211; July 21; Gaz. vol. 204; p. 778.
- Meredith, Noah E., assignor of forty-nine one-hundredths to J. F. Walsh, Los Angeles, Cal. Valve-grinder. No. 1,104,210; July 21; Gaz. vol. 204; p. 777.
- Meredith, William F. (See Rossi and Meredith.)

Alphabetical list of patentees—Continued.

- Merewether, George R., assignor of one-half to The E. B. Eddy Company, Limited, Hull, Quebec, Canada. Safety blow-off device for digesters and the like. No. 1,088,162; Feb. 24; Gaz. vol. 199; p. 1041.
- Merewether, Francis G., East Providence, R. I. Flushing-valve for water-closets. No. 1,120,836; Dec. 15; Gaz. vol. 209; p. 757.
- Mergell, George F., Los Angeles, Cal. Electrically-operated railway signal means. No. 1,102,779; July 7; Gaz. vol. 204; p. 195.
- Mergen, Joseph F. (See Hoover, George W., assignor.)
- Mergenthaler Linotype Company. (See Albrecht, Christian A., assignor.)
- Mergenthaler Linotype Company. (See Archer, Alfred, assignor.)
- Mergenthaler Linotype Company. (See Armstrong, Henry A., assignor.)
- Mergenthaler Linotype Company. (See Baldwin, William S., assignor.)
- Mergenthaler Linotype Company. (See Banks, John N., assignor.)
- Mergenthaler Linotype Company. (See Bedell, Richard M., assignor.)
- Mergenthaler Linotype Company. (See Bell, Jerome B., assignor.)
- Mergenthaler Linotype Company. (See Bloch, Bruno, assignor.)
- Mergenthaler Linotype Company. (See Boardman, Robert O., assignor.)
- Mergenthaler Linotype Company. (See Burdine, Charles C., assignor.)
- Mergenthaler Linotype Company. (See Butts, Millard, assignor.)
- Mergenthaler Linotype Company. (See Campbell, Andrew J., assignor.)
- Mergenthaler Linotype Company. (See Christel, Carl H., assignor.)
- Mergenthaler Linotype Company. (See Coe, Walter S., assignor.)
- Mergenthaler Linotype Company. (See Crofut, James N., assignor.)
- Mergenthaler Linotype Company. (See Degener, Heinrich, assignor.)
- Mergenthaler Linotype Company. (See Diaz, Pascual M., assignor.)
- Mergenthaler Linotype Company. (See Dodge, Norman, assignor.)
- Mergenthaler Linotype Company. (See Dodge, Philip T., assignor.)
- Mergenthaler Linotype Company. (See Guest, Alfred W. F., assignor.)
- Mergenthaler Linotype Company. (See Hartmann and Schimmel, assignors.)
- Mergenthaler Linotype Company. (See Homans, Thomas S., assignor.)
- Mergenthaler Linotype Company. (See Kennedy, David S., assignor.)
- Mergenthaler Linotype Company. (See Kennedy, Luther L., assignor.)
- Mergenthaler Linotype Company. (See Kingsbury, George P., assignor.)
- Mergenthaler Linotype Company. (See Kochenderfer, John L., assignor.)
- Mergenthaler Linotype Company. (See Margach, Andrew L., assignor.)
- Mergenthaler Linotype Company. (See Mayer, Jacques, assignor.)
- Mergenthaler Linotype Company. (See Mayer and Muehleisen, assignors.)
- Mergenthaler Linotype Company. (See McRae, John R., assignor.)
- Mergenthaler Linotype Company. (See Mercer, Robert F., assignor.)
- Mergenthaler Linotype Company. (See Morrison, Luther E., assignor.)
- Mergenthaler Linotype Company. (See Muehleisen, Carl, assignor.)
- Mergenthaler Linotype Company. (See Muehleisen and Walter, assignors.)
- Mergenthaler Linotype Company. (See Paine, Arthur P., assignor.)
- Mergenthaler Linotype Company. (See Pearce and Billington, assignors.)
- Mergenthaler Linotype Company. (See Pierson, Edwin W., assignor.)
- Mergenthaler Linotype Company. (See Reist, Kirby S., assignor.)
- Mergenthaler Linotype Company. (See Röger, Karl, assignor.)
- Mergenthaler Linotype Company. (See Rogers, John R., assignor.)
- Mergenthaler Linotype Company. (See Rogers, William H., assignor.)
- Mergenthaler Linotype Company. (See Rubly, Charles P., assignor.)
- Mergenthaler Linotype Company. (See Rudolph, Herman J., assignor.)
- Mergenthaler Linotype Company. (See Snyder, Balfour C., assignor.)
- Mergenthaler Linotype Company. (See Sparling, Hugh A., assignor.)
- Mergenthaler Linotype Company. (See Verhoeven, Thomas A., assignor.)
- Mergenthaler Linotype Company. (See Watson, John, assignor.)
- Mergenthaler Linotype Company. (See White and Curle, assignors.)
- Mergenthaler Linotype Company. (See Wilson, Fergus F., assignor.)
- Mergenthaler Linotype Company. (See Wood, William M., assignor.)
- Mergott, Ludwig F., Newark, N. J. Water-heater. No. 1,113,232; Oct. 13; Gaz. vol. 207; p. 328.
- Merkel, Arthur E., Cleveland, and R. E. Dunham, assignors to The Dunham Company, Berea, Ohio. Lawn-roller. No. 1,120,515; Dec. 8; Gaz. vol. 209; p. 596.
- Merkel, Benedikt. (See Engelmann and Merkel.)
- Merkel, Georg. (See Dobson and Merkel.)
- Merkel, Jacob B., and G. J. Carroll, Tamaqua, Pa. Film-winding mechanism for moving-picture machines. No. 1,086,198; Feb. 3; Gaz. vol. 199; p. 219.
- Merker, Melvin E., New York, N. Y. Tooth. No. 1,109,080; Sept. 1; Gaz. vol. 206; p. 80.
- Merker, Melvin E., New York, N. Y. Tooth. No. 1,109,651; Sept. 1; Gaz. vol. 206; p. 280.
- Merker, Philip C., Cedar Rapids, Iowa. Car-door. No. 1,086,602; Feb. 10; Gaz. vol. 199; p. 403.
- Merker, Philip C., Cedar Rapids, Iowa. Car-door. No. 1,086,603; Feb. 10; Gaz. vol. 199; p. 403.
- Merker, Philip C., Cedar Rapids, Iowa. Fastening means for car-doors. No. 1,086,604; Feb. 10; Gaz. vol. 199; p. 404.
- Merker, Philip C., Cedar Rapids, Iowa. Stay-chain-attaching device for car-doors, &c. No. 1,086,605; Feb. 10; Gaz. vol. 199; p. 405.
- Merkle, Paul, Philadelphia, Pa. Coin-controlled device. No. 1,109,690; Sept. 8; Gaz. vol. 206; p. 336.
- Merkle, William G., Newark, N. J. Removable cover for battery-compartments. No. 1,116,313; Nov. 3; Gaz. vol. 208; p. 287.
- Merkley Manufacturing Company. (See Merkley, Stanley A., assignor.)
- Merkley, Stanley A., assignor to Merkley Manufacturing Company, Buffalo, N. Y. Incubation. No. 1,091,859; Mar. 31; Gaz. vol. 200; p. 1258.
- Merley, John, Canton, Ohio, assignor to National Fire Proofing Company, Pittsburgh, Pa. Silo and tile therefor. No. 1,091,946; Mar. 31; Gaz. vol. 200; p. 1287.
- Merling, Georg, O. Chrzciesinski, Elberfeld, and H. Köhler, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing keto compounds from ketones and alkylaminomethanes. No. 1,094,159; Apr. 21; Gaz. vol. 201; p. 768.
- Merling, Georg, O. Chrzciesinski, Elberfeld, and H. Köhler, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing keto compounds from ketones and tetraalkyldiaminomethanes. No. 1,094,160; Apr. 21; Gaz. vol. 201; p. 768.
- Merling, Georg, O. Chrzciesinski, Elberfeld, and H. Köhler, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Beta-acetylalkylene-tetraalkyldiamins. No. 1,101,754; June 30; Gaz. vol. 203; p. 1348.
- Merliss, Morduck, Flint, Mich. Drill-press. No. 1,092,070; Mar. 31; Gaz. vol. 200; p. 1326.
- Merliss, Morduck, Flint, Mich. Piston-ring remover. No. 1,100,486; June 16; Gaz. vol. 203; p. 808.
- Meroz, John A., Waltham, Mass. Balance-shaft for watch-movements. No. 1,113,459; Oct. 13; Gaz. vol. 207; p. 409.
- Merralls, William A., Detroit, Mich. Engine-starter. No. 1,107,687; Aug. 18; Gaz. vol. 205; p. 829.
- Merrell, Charles B. (See Morgan, William J., assignor.)
- Merrell, Frederick H., Milwaukee, Wis., assignor to Package Machinery Company, Springfield, Mass. Cube-cutting machine. No. 1,103,604; July 14; Gaz. vol. 204; p. 528.
- Merrell, Frederick H., and W. K. Blackburn, Milwaukee, Wis., assignors to Package Machinery Company, Springfield, Mass. Slab cutting and separating machine. No. 1,108,204; Aug. 25; Gaz. vol. 205; p. 1056.
- Merrell, Gurdon W. (See Shoffner, Edward J., assignor.)
- Merrell, Irving S., assignor to Merrell-Soule Company, Syracuse, N. Y. Desiccating and collecting apparatus. No. 1,088,436; Feb. 24; Gaz. vol. 199; p. 1134.
- Merrell, Irving S. and O. E., assignors to Merrell-Soule Company, Syracuse, N. Y. Obtaining the solids from liquids. No. 1,102,601; July 7; Gaz. vol. 204; p. 134.
- Merrell, Oliver E. (See Merrell, Irving S. and O. E.)
- Merrell-Soule Company. (See Merrell, Irving S., assignor.)
- Merrell-Soule Company. (See Merrell, Irving S. and O. E., assignors.)
- Merrett, Thomas F., Waterford, N. Y. Extension-table. No. 1,116,314; Nov. 3; Gaz. vol. 208; p. 288.
- Merriam, Ezra B., Schenectady, N. Y., assignor to General Electric Company. Electric switch. No. 1,122,019; Dec. 22; Gaz. vol. 209; p. 1208.
- Merrick, Asa L. (See Lawson, Benjamin S., assignor.)
- Merrick, Frank W. (See White, Warren B., assignor.)

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- Merrick, Frank W., assignor to American Stay Company, Boston, Mass. Vamp-stay for shoes. No. 1,088,665; Feb. 24; Gaz. vol. 199; p. 1208.
- Merrick, Frank W., assignor to Union Lock Stitch Company, Boston, Mass. Manufacturing shoes. No. 1,093,563; Apr. 14; Gaz. vol. 201; p. 521.
- Merrick, Frank W., assignor to Union Lock Stitch Company, Boston, Mass. Wax-thread sewing-machine. No. 1,102,199; June 30; Gaz. vol. 203; p. 1507.
- Merrick, L. R., trustee, *et al.* (See Harling, Walter, assignor.)
- Merrick, Lee R., *et al.* (See Harling, Walter, assignor.)
- Merrick, Silas C., assignor to The Standard Horse Nail Company, New Brighton, Pa. Making keys. No. 1,112,020; Sept. 29; Gaz. vol. 206; p. 1270.
- Merrill, Alva A., South Dayton, N. Y. Mixing-machine. No. 1,102,348; July 7; Gaz. vol. 204; p. 44.
- Merrill, Arthur H., Hartford, Conn. Cigar-tip cutter. No. 1,093,004; Apr. 14; Gaz. vol. 201; p. 336.
- Merrill, Arthur H., Hartford, Conn. Cigar-tip cutter. No. 1,098,952; June 2; Gaz. vol. 203; p. 202.
- Merrill, Charles W., Berkeley, Cal. Filter-press. No. 1,093,345; Apr. 14; Gaz. vol. 201; p. 454.
- Merrill, Charles W., Los Angeles, Cal. Trolley catcher and retriever. No. 1,094,916; Apr. 28; Gaz. vol. 201; p. 1087.
- Merrill, Chester S., Boston, Mass. Device for cutting fruit. No. 1,115,001; Oct. 27; Gaz. vol. 207; p. 1044.
- Merrill, Dennis W., Albany, Oreg. Stump-extractor. No. 1,099,711; June 9; Gaz. vol. 203; p. 504.
- Merrill, Elijah H. (See Dolbear, Clinton E., assignor.)
- Merrill, George H., New York, N. Y. Lifting-board for drop-hammers. No. 1,091,523; Mar. 31; Gaz. vol. 200; p. 1140.
- Merrill, George H., Littleton, N. H., assignor to H. B. Newhall, Plainfield, N. J. Toggle-bolt. No. 1,084,284; Jan. 13; Gaz. vol. 198; p. 370.
- Merrill, George S. (See Jandrier and Merrill.)
- Merrill, Grant U., Paterson, N. J. Steam-trap. No. 1,108,603; Aug. 25; Gaz. vol. 205; p. 1195.
- Merrill, Louis D., Clarksburg, W. Va. Knockdown box. No. 1,107,174; Aug. 11; Gaz. vol. 205; p. 599.
- Merrill, Marie W., New York, N. Y. Ornamental card or sheet. No. 1,121,858; Dec. 22; Gaz. vol. 209; p. 1151.
- Merrill, Percy S., Waterville, Me. Wrench. No. 1,092,071; Mar. 31; Gaz. vol. 200; p. 1326.
- Merrill, Philip P., Cleveland, Ohio. Heat-distributor. No. 1,083,503; Jan. 6; Gaz. vol. 198; p. 81.
- Merrill, William F., Brookline, assignor to Library Bureau, Cambridge, Mass. Paper-fastener. No. 1,112,637; Oct. 6; Gaz. vol. 207; p. 81.
- Merrimac Hat Company. (See Hastings, William H., assignor.)
- Merrimac Mattress Mfg. Company. (See St. Clair, George H., assignor.)
- Merriman, Alexander R. (See Laine, Walter R., assignor.)
- Merriman, Charles F., Minneapolis, Minn. Cabinet-closet. No. 1,098,285; May 26; Gaz. vol. 202; p. 1196.
- Merritt, Clarence N., Glyndon, Minn. Sack-holding device. No. 1,111,850; Sept. 29; Gaz. vol. 206; p. 1215.
- Merritt & Company. (See Merritt, Black, and Morris, assignors.)
- Merritt, Edwin A., Jr. (See Everett, Edward A., assignor.)
- Merritt, Irving D., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,085,817; Feb. 3; Gaz. vol. 199; p. 85.
- Merritt, James E., Fargo, N. D. Clothes-drainer. No. 1,103,804; July 14; Gaz. vol. 204; p. 598.
- Merritt, James S., Philadelphia, C. Black, Ardmore, and S. Morris, Haverford, Pa., assignors to Merritt & Company. Metal locker. No. 1,120,213; Dec. 8; Gaz. vol. 209; p. 490.
- Merritt, Joseph. (See Lorenz and Merritt.)
- Merritt, Joseph, and W. H. Honiss, assignors of one-fourth to W. A. Lorenz, one-fourth to W. H. Honiss, Hartford, Conn., and one-half to Beech-Nut Packing Company, Canajoharie, N. Y. Machine for cutting rings. No. 1,086,606; Feb. 10; Gaz. vol. 199; p. 405.
- Morrow, Edgar L., *et al.* (See O'Connell, James P., assignor.)
- Morrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Raceway for stitch-forming reciprocating elements. No. 1,086,607; Feb. 10; Gaz. vol. 199; p. 405.
- Morrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Sewing-machine edge-guide. No. 1,094,858; Apr. 28; Gaz. vol. 201; p. 1068.
- Morrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Take-up for crochet-machines. No. 1,112,021; Sept. 29; Gaz. vol. 206; p. 1270.
- Merrow Machine Company, The. (See Avis, Samuel W., assignor.)
- Merrow Machine Company, The. (See Merrow, Joseph M., assignor.)
- Merrow Machine Company, The. (See Stedman, William H., assignor.)
- Merry, Thomas B. (See Brown and Merry.)
- Merry, Walter J., Philadelphia, Pa. Resilient heel for boots and shoes. No. 1,098,162; May 26; Gaz. vol. 202; p. 1153.
- Merry, William F., *et al.* (See Neville, Harry, assignor.)
- Merryweather, James, Greencastle, Ind. Train-pipe connection. No. 1,121,522; Dec. 15; Gaz. vol. 209; p. 995.
- Mersfelder, William L., Cincinnati, Ohio. Grate mechanism. No. 1,097,556; May 19; Gaz. vol. 202; p. 894.
- Mershon, Edward C., assignor to William B. Mershon & Company, Saginaw, Mich. Band-saw machine. No. 1,112,822; Oct. 6; Gaz. vol. 207; p. 144.
- Mershon, Ralph D., New York, N. Y. Concatenated control of alternating-current motors. No. 1,112,022; Sept. 29; Gaz. vol. 206; p. 1271.
- Mersman, Edward H., Celina, Ohio. Extension-table. No. 1,109,243; Sept. 1; Gaz. vol. 206; p. 137.
- Mertens, Eduard, Freiburg, Breisgau, assignor of one-half to Elsässische Maschinenbau Gesellschaft, Mulhausen, Germany. Rotary intaglio-printing machine. No. 1,103,805; July 14; Gaz. vol. 204; p. 598.
- Mertens, Max, Berlin, Germany, assignor to General Electric Company. Electrical current-limiting device. No. 1,099,562; June 9; Gaz. vol. 203; p. 453.
- Mertes, Joseph P., Los Angeles, Cal. Dental tool. No. 1,111,603; Sept. 22; Gaz. vol. 206; p. 1090.
- Merton, Herbert, London, England. Wireless receiver. No. 1,095,342; May 5; Gaz. vol. 202; p. 58.
- Mertsheimer, Frederick, Kansas City, Mo. Door-guard. No. 1,083,904; Jan. 6; Gaz. vol. 198; p. 208.
- Mertz, Jacob H., Washington, D. C., assignor of one-half to G. F. Bell, Bluefield, W. Va. Lamp and tag support for vehicles. No. 1,112,823; Oct. 6; Gaz. vol. 207; p. 144.
- Mertz, Victor E., New York, N. Y. Apparatus for moistening yarn. No. 1,103,806; July 14; Gaz. vol. 204; p. 599.
- Merwin, James E., Seattle, Wash. Chain pump. No. 1,098,953; June 2; Gaz. vol. 203; p. 202.
- Merwin, John C., assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. No. 1,084,159; Jan. 13; Gaz. vol. 198; p. 329.
- Meschenmoser, William F., New Dorp, N. Y. Conductor-cable support. No. 1,118,035; Nov. 24; Gaz. vol. 208; p. 1015.
- Meseraull, Samuel I., Kansas City, Kans. Printing-press-bed-reversing mechanism. No. 1,083,753; Jan. 6; Gaz. vol. 198; p. 164.
- Meserole, Milton D., West Haven, assignor, by mesne assignments, to The James F. Molloy Co., New Haven, Conn. Belt-buckle. No. 1,097,182; May 19; Gaz. vol. 202; p. 766.
- Meserole, Milton D., assignor to T. F. Molloy, West Haven, and L. M. Sheehan, New Haven, Conn., administrators of J. F. Molloy, deceased. Buckle. No. 1,089,853; Mar. 10; Gaz. vol. 200; p. 452.
- Meserve, George N., Boston, Mass. Form for concrete structures. No. 1,119,712; Dec. 1; Gaz. vol. 209; p. 279.
- Mesick, Frank I., E. P. W. Elliot, and M. E. Woodcock, Albany, N. Y. Sanitary covering for closet-seats. No. 1,108,460; Aug. 25; Gaz. vol. 205; p. 1144.
- Mesinger, Frederick, New York, N. Y. Saddle for motor-cycles. No. 1,115,711; Nov. 3; Gaz. vol. 208; p. 84.
- Mesinger, Frederick, New York, N. Y. Saddle for motor-cycles. No. 1,119,300; Dec. 1; Gaz. vol. 209; p. 137.
- Mesinger, Henry, New York, N. Y. Grip for motor-cycles. No. 1,100,085; June 16; Gaz. vol. 203; p. 669.
- Mesker Brothers Iron Company. (See Mesker, Edwards, Smith, Stephens, and Seele, assignors.)
- Mesker, Frank, H. F. Edwards, C. E. Smith, G. F. Stephens, and W. J. Seele, assignors to Mesker Brothers Iron Company, St. Louis, Mo. Gravity fire-door. No. 1,096,446; May 12; Gaz. vol. 202; p. 469.
- Meskimen, Leslie C., Waterloo, Iowa. Reversing-valve mechanism for internal-combustion engines. No. 1,087,033; Feb. 10; Gaz. vol. 199; p. 549.
- Mesnicoff, Morris. (See Singer and Mesnicoff.)
- Messchaert, Paul A. G., Waipahu, Honolulu, Hawaii. Sugar-cane mill. No. 1,121,747; Dec. 22; Gaz. vol. 209; p. 1110.
- Messenger, Lloyd N., La Junta, Colo. Puzzle. No. 1,095,908; May 5; Gaz. vol. 202; p. 249.
- Messer, Gerry C., *et al.* (See Cronk, William H., assignor.)
- Messer, Vladimir V., Los Angeles, Cal. Concrete-pipe-making machine. No. 1,112,638; Oct. 6; Gaz. vol. 207; p. 81.
- Messer, Vladimir V., assignor of one-half to A. F. George, Los Angeles, Cal. Road-surfacing machine. No. 1,084,810; Jan. 20; Gaz. vol. 198; p. 575.
- Messerschmidt, Christian W. V., Copenhagen, Denmark. Metal capsule for bottles. No. 1,100,440; June 16; Gaz. vol. 203; p. 792.
- Messerschmitt, Anton, Stolberg, Rhine, Germany. Production of fertilizers. No. 1,083,553; Jan. 6; Gaz. vol. 198; p. 98.
- Messerschmitt, Anton, Stolberg, Germany. Obtaining alkali-metal compounds from silicates containing the same. No. 1,087,132; Feb. 17; Gaz. vol. 199; p. 635.
- Messerschmitt, Anton, Stolberg, Germany. Extracting alkalis from natural rocks. No. 1,089,716; Mar. 10; Gaz. vol. 200; p. 405.

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- Messerschmitt, Anton, Stolberg, Germany. Generation of hydrogen by means of iron. No. 1,109,447; Sept. 1; Gaz. vol. 206; p. 209.
- Messerschmitt, Anton, Stolberg, Germany. Manufacture of hydrogen. No. 1,109,448; Sept. 1; Gaz. vol. 206; p. 209.
- Messick, Charles, Hackensack, N. J. Electrolier-fitting. No. 1,089,490; Mar. 10; Gaz. vol. 200; p. 327.
- Messick, Charles, Hackensack, N. J. Abrasive plate and manufacturing same. No. 1,119,443; Dec. 1; Gaz. vol. 209; p. 187.
- Messick, Charles, Hackensack, N. J., assignor to Electrical Conveying Machinery Company. Antislip stair-sheet. No. 1,094,859; Apr. 28; Gaz. vol. 201; p. 1068.
- Messick, Charlton, St. Louis, Mo. Transportation-ticket. No. 1,121,109; Dec. 15; Gaz. vol. 209; p. 855.
- Messick, John C., assignor of one-half to J. A. Zimmerlin, San Francisco, Cal. Hydraulic variable-speed-transmission device. No. 1,119,976; Dec. 8; Gaz. vol. 209; p. 405.
- Messick, John C., assignor of one-third to R. G. Jones and one-third to W. F. Jones, San Rafael, Cal. Pneumatic lock. No. 1,085,058; Jan. 20; Gaz. vol. 198; p. 658.
- Messier, Edward F., New York, N. Y. Eyeglasses. No. 1,113,811; Oct. 13; Gaz. vol. 207; p. 532.
- Messinger, Frederick H., New York, N. Y. Vehicle-wheel. No. 1,103,308; July 14; Gaz. vol. 204; p. 425.
- Messiter, Edwin H., Brooklyn, assignor to Weigher Patent Company, New York, N. Y. Weighing mechanism. No. 1,104,268; July 21; Gaz. vol. 204; p. 796.
- Messiter, Edwin H., Brooklyn, assignor to Electric Weighing Company, New York, N. Y. Composite magnetizable material. No. 1,121,859; Dec. 22; Gaz. vol. 209; p. 1152.
- Messner, Matie C. (See Herrick, Albert B., assignor.)
- Messner, Eneas B., Bowmansville, Pa. Nut-lock. No. 1,108,866; Aug. 25; Gaz. vol. 205; p. 1286.
- Messner, John H., Pittsburgh, Pa. Rail-fastening device. No. 1,092,072; Mar. 31; Gaz. vol. 200; p. 1327.
- Messner, John H., Pittsburgh, Pa. Railway cross-tie. No. 1,094,232; Apr. 21; Gaz. vol. 201; p. 791.
- Mesta, George, Pittsburgh, Pa. Motive means for pickling and washing apparatus. No. 1,107,821; Aug. 18; Gaz. vol. 205; p. 875.
- Mostel, Sigmund, New York, N. Y. Mechanical movement. No. 1,113,812; Oct. 13; Gaz. vol. 207; p. 532.
- Metacomet Corporation. (See Lake, George W., assignor.)
- Metal Building Materials Company *et al.* (See Hough, William B., assignor.)
- Metal Novelty Company, The. (See Sweet, Welcome F., assignor.)
- Metal Specialties Company. (See McKinley, Benjamin P., assignor.)
- Metal Specialties Manufacturing Company. (See Berg, John, assignor.)
- Metal Treating & Equipment Co., The. (See Sacerdote, Guido, assignor.)
- Metall- und Isolier-Werke G. m. b. H. (See Knoll, Ernst, assignor.)
- Metallic Barrel Company, The. (See Bauroth, Leonhard, assignor.)
- Metallic Barrel Company, The. (See Brown and Bauroth, assignors.)
- Metallic Novelty Works. (See Beebe, Watson, assignor.)
- Metalpapier-Bronzefarben-Blattmetallwerke Aktiengesellschaft. (See Heinrich, Jacob, assignor.)
- Metallurgica Bresciana Già Tempini. (See Falco, Vittorio, assignor.)
- Metallurgical Engineering & Process Corporation. (See Robinson, Cyrus, assignor.)
- Metallurgical Research Company. (See Rockey, Eldridge, and Clark, assignors.)
- Metallurgische Gesellschaft, A. G. (See Pretceille, Edmond A., assignor.)
- Metals Company. (See Ahlstrom, Frederick, assignor.)
- Metals Company. (See Whitford and Ahlstrom, assignors.)
- Metals Recovery Company. (See Callow, John M., assignor.)
- Metals Research Company. (See Weidlein, Edward R., assignor.)
- Metcalf, Alfred T. (See Ward and Metcalf.)
- Metcalf, Alfred T., and H. V. Nunn, assignors to Bradford Dyers' Association, Bradford, England. Apparatus for drying fabrics. No. 1,090,934; Mar. 24; Gaz. vol. 200; p. 897.
- Metcalf, Edwin, Norristown, Pa. Bottle or jar stopper. No. 1,114,625; Oct. 20; Gaz. vol. 207; p. 856.
- Metcalf, Eli and W., Empire, Oreg. Folding and knock-down table. No. 1,120,322; Dec. 8; Gaz. vol. 209; p. 528.
- Metcalf, George A. (See Shayer and Metcalf.)
- Metcalf, George W. (See Wilcoxson, Isham F., assignor.)
- Metcalf, Henry D., Casey, Ill. Faucet-operating mechanism. No. 1,093,452; Apr. 14; Gaz. vol. 201; p. 489.
- Metcalf, Ralph M., Driscoll, N. D. Flying-machine. No. 1,086,199; Feb. 3; Gaz. vol. 199; p. 219.
- Metcalf, William. (See Metcalf, Eli and W.)
- Metcalf, Arthur B. (See Cassidy, Metcalf, and Cassidy.)
- Metheany, George H. (See Clum, Ira E., assignor.)
- Méthot, Homer, Red Bank, N. J. Plume-drying apparatus. No. 1,110,452; Sept. 15; Gaz. vol. 206; p. 648.
- Methven, Archibald D., Monroe, Mich. Strike-plate. No. 1,108,873; Aug. 25; Gaz. vol. 205; p. 1288.
- Methvin, Ernest G., Deming, N. Mex. Hand-elevator for packages. No. 1,094,233; Apr. 21; Gaz. vol. 201; p. 791.
- Metropolitan Electric Mfg. Co. (See Newton, William J., assignor.)
- Metropolitan Electric & Mfg. Co. (See Wesley, Joseph J., assignor.)
- Metropolitan Hatters Supply Co. (See De Nucci, Luigi, assignor.)
- Metropolitan Mausoleum Company. (See Sievert, Philip W., assignor.)
- Metropolitan Sewing Machine Company. (See Weis, John P., assignor.)
- Metten, John F., Philadelphia, Pa. Under-water ash-ejector. No. 1,112,151; Sept. 29; Gaz. vol. 206; p. 1315.
- Metten, John F., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Turbine-rotor. No. 1,097,251; May 19; Gaz. vol. 202; p. 791.
- Mettler, Caspar, New Haven, Conn., assignor to R. B. Seward, Brooklyn, N. Y. Holder for drinking-cups. No. 1,112,824; Oct. 6; Gaz. vol. 207; p. 144.
- Mettler, Giacomo, Berlin, Germany. Electric furnace. No. 1,084,466; Jan. 13; Gaz. vol. 198; p. 428.
- Mettler, John D., Snyderstown, Pa. Dump-car. No. 1,092,659; Apr. 7; Gaz. vol. 201; p. 185.
- Metts, V. L. (See Hall, Henry, assignor.)
- Metz, Augustus R., *et al.* (See Peoples, William B., assignor.)
- Metz, Herman A. (See Hirschberger, Josef, assignor.)
- Metz, Herman A., New York, N. Y. Bottle-stopper and applicator. No. 1,089,717; Mar. 10; Gaz. vol. 200; p. 405.
- Metz, Max, Coventry, England. Apparatus for the electric lighting of motor-cars and for other purposes. No. 1,084,220; Jan. 13; Gaz. vol. 198; p. 350.
- Metzdorff, Kurt, Berlin-Tegel, Germany. Measuring the quantity of fluid flowing through pipes. No. 1,120,214; Dec. 8; Gaz. vol. 209; p. 491.
- Metzelaar, Adrian N., New York, N. Y. Fluid-controlling mechanism for cylinders. No. 1,089,718; Mar. 10; Gaz. vol. 200; p. 405.
- Metzenbacher, Frederick, Elizabeth, N. J., assignor to W. H. Rich & Son, Brooklyn, N. Y. Strap and tab forming machine. No. 1,087,804; Feb. 17; Gaz. vol. 199; p. 871.
- Metzgar, Leroy V., Fremont, Ohio. Slip-holder. No. 1,101,315; June 23; Gaz. vol. 203; p. 1147.
- Metzgar, Leroy V., Elkhart, Ind. Flexible roll-top or shutter for fireproof cabinets, &c. No. 1,110,219; Sept. 8; Gaz. vol. 206; p. 524.
- Metzger, Charles L., J. A. Forster, and W. E. Kune, Oakland, Cal. Sound-operating mechanism. No. 1,101,497; June 23; Gaz. vol. 203; p. 1210.
- Metzger, Charles L., J. A. Forster, and W. E. Kune, Alameda, Cal. Sound-operating mechanism. No. 1,106,664; Aug. 11; Gaz. vol. 205; p. 422.
- Metzger, Gottlieb F., Lakewood, Ohio. Apparatus for treating animal matter containing moisture, oil, or grease. No. 1,091,524; Mar. 31; Gaz. vol. 200; p. 1140.
- Metzger, James F., Flat Rock, Ohio. Attachment for wind-driven pumps. No. 1,091,371; Mar. 24; Gaz. vol. 200; p. 1044.
- Metzger, John C., Chicago, Ill. Air-valve for carbureters. No. 1,105,090; July 28; Gaz. vol. 204; p. 1132.
- Metzger, Oscar G. (See Metzger, Tillo C. and O. G.)
- Metzger, Tillo C. and O. G., Rochester, N. Y. Box and cover therefor. No. 1,115,081; Oct. 27; Gaz. vol. 207; p. 1073.
- Metzig, Herman G., Berlin, Wis. Automobile wheel-jack. No. 1,095,343; May 5; Gaz. vol. 202; p. 58.
- Metzner, Otto, assignor to The Rookwood Pottery Company, Cincinnati, Ohio. Tile-coating machine. No. 1,093,064; Apr. 14; Gaz. vol. 201; p. 357.
- Meunier, Alfred, Taunton, Mass. Self-threading shuttle. No. 1,093,713; Apr. 21; Gaz. vol. 201; p. 619.
- Meunier, Georges, Raab, assignor to A. and E. Lederer Vienna, Austria-Hungary. Treating distillery-wash. No. 1,107,175; Aug. 11; Gaz. vol. 205; p. 599.
- Meunier, Jules A., Paris, France. Cushioned pneumatic tire. No. 1,115,082; Oct. 27; Gaz. vol. 207; p. 1073.
- Meurer, Charles A., Terrace Park, Ohio. Acrobatic toy. No. 1,112,023; Sept. 29; Gaz. vol. 206; p. 1271.
- Meuret, Joseph. (See Johnson, David, assignor.)
- Meurling, Ivar, Brooklyn, N. Y. Flower-holder. No. 1,096,180; May 12; Gaz. vol. 202; p. 378.
- Meurling, Ivar, Salem, Mass., assignor to Empire Duplex Gin Company, New York, N. Y. Feeding, cleaning, and separating device. No. 1,100,759; June 23; Gaz. vol. 203; p. 953.

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- Meves, Gustav N., Davenport, Iowa. Operating mechanism for washing and like machines. No. 1,086,547; Feb. 10; Gaz. vol. 199; p. 382.
- Meves, Gustav N., Davenport, Iowa. Operating mechanism for washing and like machines. No. 1,086,548; Feb. 10; Gaz. vol. 199; p. 383.
- Mewborn, Walter D. (See Suggs, Theophilus W., assignor.)
- Meyenburg, Otto von, Zurich, Switzerland. Device for the purpose of singly separating threads arranged in a row. No. 1,097,202; May 19; Gaz. vol. 202; p. 773.
- Meyenburg, Otto von, Zurich, Switzerland. Device for selecting and separating heddles. No. 1,101,807; June 30; Gaz. vol. 203; p. 1368.
- Meyer, Albert C., San Diego, Cal. Electric sign. No. 1,094,083; Apr. 21; Gaz. vol. 201; p. 741.
- Meyer, Albert W., New York, N. Y. Steam-cooker. No. 1,089,066; Mar. 3; Gaz. vol. 200; p. 134.
- Meyer, Anton, Hamburg, Germany. Tin or can for hams or like articles of food. No. 1,089,067; Mar. 3; Gaz. vol. 200; p. 134.
- Meyer, August R., Jr., New York, N. Y. Clothes-line support. No. 1,122,974; Dec. 29; Gaz. vol. 209; p. 1576.
- Meyer, Charles F., Bridgeport, Conn. Spark-plug. No. 1,109,004; Sept. 1; Gaz. vol. 206; p. 52.
- Meyer, Charles L., Omaha, Nebr. Removable mold for concrete floors. No. 1,106,665; Aug. 11; Gaz. vol. 205; p. 422.
- Meyer, Charles L., assignor to Rotary Chopper Company, New York, N. Y. Culinary implement. No. 1,098,747; June 2; Gaz. vol. 203; p. 133.
- Meyer-Delius, Heinrich, Baden, Switzerland, assignor, by mesne assignments, to General Electric Company. Compensating winding for polyphase commutator-machines with drum-armatures. No. 1,118,433; Nov. 24; Gaz. vol. 208; p. 1155.
- Meyer, Dietrich H., Doss, Tex. Load-lifter. No. 1,095,411; May 5; Gaz. vol. 202; p. 81.
- Meyer, Edgar J., deceased; E., Jr., and W. E. Meyer, New York, N. Y., executors. Signaling mechanism for automobiles. No. 1,111,079; Sept. 22; Gaz. vol. 206; p. 910.
- Meyer, Emil J. P., Chicago, Ill. Car construction. No. 1,098,820; June 2; Gaz. vol. 203; p. 157.
- Meyer, Ernest A. and R. F., Freeport, Pa. System of lubrication. No. 1,090,162; Mar. 17; Gaz. vol. 200; p. 600.
- Meyer, Eugene, Jr., *et al.*, executors. (See Meyer, Edgar J.)
- Meyer, Frank W., assignor to The Oshkosh Trunk Company, Oshkosh, Wis. Lock. No. 1,118,303; Nov. 24; Gaz. vol. 208; p. 1107.
- Meyer, Frank W., assignor to The Oshkosh Trunk Company, Oshkosh, Wis. Trunk. No. 1,120,215; Dec. 8; Gaz. vol. 209; p. 491.
- Meyer, Frank W., assignor to The Oshkosh Trunk Company, Oshkosh, Wis. Trunk. No. 1,121,933; Dec. 22; Gaz. vol. 209; p. 1177.
- Meyer, Frans M., Osnabrück, assignor to Sudfeldt & Co., Melle, Hanover, Germany. Producing and maintaining a high vacuum. No. 1,100,694; June 16; Gaz. vol. 203; p. 875.
- Meyer, Franz, assignor to Firm of C. Zeiss, Jena, Germany. Device for the fine adjustment of microscopes. No. 1,106,956; Aug. 11; Gaz. vol. 205; p. 524.
- Meyer, Fred G. (See Cunningham, William J., assignor.)
- Meyer, Frederic P., Lancaster, Wis. Drinking-cup. No. 1,089,425; Mar. 10; Gaz. vol. 200; p. 303.
- Meyer, Georg B. H., Hamburg, Germany. Telephone table instrument. No. 1,119,301; Dec. 1; Gaz. vol. 209; p. 137.
- Meyer, George A., New York, N. Y. Culinary knife. No. 1,118,507; Nov. 24; Gaz. vol. 208; p. 1182.
- Meyer, George J., Milwaukee, Wis. Bottle rinsing and outside-brushing conveyor. No. 1,111,756; Sept. 29; Gaz. vol. 206; p. 1180.
- Meyer, Gordon, Saugerties, N. Y. Gas-lighter. No. 1,100,600; June 16; Gaz. vol. 203; p. 844.
- Meyer, Hans J. (See Kroenert and Meyer.)
- Meyer, Henry A., Helena, Mont. Separable fastener. No. 1,083,372; Jan. 6; Gaz. vol. 198; p. 37.
- Meyer, Henry F., New York, N. Y. Seat. No. 1,107,090; Aug. 11; Gaz. vol. 205; p. 567.
- Meyer, Henry H., Red Wing, Minn. Device for carrying mail. No. 1,086,928; Feb. 10; Gaz. vol. 199; p. 516.
- Meyer, Herman L., St. Paul, Minn. Furnace structure. No. 1,121,569; Dec. 15; Gaz. vol. 209; p. 1013.
- Meyer, Hermann, Barmen, Germany. Device for closing the tapping-openings of smelting-furnaces. No. 1,097,345; May 19; Gaz. vol. 202; p. 825.
- Meyer, Johan, Zurich, Switzerland. Egg-opener. No. 1,087,805; Feb. 17; Gaz. vol. 199; p. 871.
- Meyer, John H. (See Ramsey and Meyer.)
- Meyer, John J., New York, N. Y. Locking device for automobiles. No. 1,098,954; June 2; Gaz. vol. 203; p. 202.
- Meyer, John W. (See Pries and Meyer.)
- Meyer, Joseph P., Rochester, N. Y. Hedge-trimmer. No. 1,089,719; Mar. 10; Gaz. vol. 200; p. 406.
- Meyer, Julius A., assignor to Duplex Manufacturing Company, St. Louis, Mo. Combined snare strainer and muffler. No. 1,104,373; July 21; Gaz. vol. 204; p. 833.
- Meyer, Martin H., Pender, Nebr. Automobile-jack. No. 1,094,004; Apr. 21; Gaz. vol. 201; p. 715.
- Meyer, Oscar E., Watertown, Wis. Dirigible lamp. No. 1,111,486; Sept. 22; Gaz. vol. 206; p. 1049.
- Meyer, Oswald, Jersey City, N. J. Fabric-holder for embroidery-machines. No. 1,101,138; June 23; Gaz. vol. 203; p. 1087.
- Meyer, Ralph F. (See Meyer, Ernest A. and R. F.)
- Meyer, Richard. (See Hoefer, Fred W., assignor.)
- Meyer, Richard E., Detroit, Mich. Folding box. No. 1,114,789; Oct. 27; Gaz. vol. 207; p. 968.
- Meyer, Theodor, Offenbach, and A. Klages, Magdeburg, Germany. Continuous production of dry hydrochloric acid and potassium bisulfate from potassium chlorid and sulfuric acid. No. 1,099,451; June 9; Gaz. vol. 203; p. 415.
- Meyer, Thomas F., Bristol, Wis. Silo-roof. No. 1,106,398; Aug. 11; Gaz. vol. 205; p. 324.
- Meyer, Vernon H., assignor to The National Motor Supply Company, Cleveland, Ohio. Air-pump. No. 1,098,633; June 2; Gaz. vol. 203; p. 95.
- Meyer, Walter A., Brooklyn, N. Y., assignor of one-half to R. Jaeger. Powder puff and pad. No. 1,095,998; May 5; Gaz. vol. 202; p. 280.
- Meyer, Walter E., *et al.*, executors. (See Meyer, Edgar J.)
- Meyer, William. (See Sonderegger, Leo, assignor.)
- Meyer, William C., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for molding or bending shoe-soles. No. 1,110,637; Sept. 15; Gaz. vol. 206; p. 712.
- Meyercord, George R., Chicago, Ill. Transfer-picture. No. 1,104,126; July 21; Gaz. vol. 204; p. 749.
- Meyercord, George R., Chicago, Ill. Making heavy structural white glass. No. 1,108,205; Aug. 25; Gaz. vol. 205; p. 1057.
- Meyerhoff, Jacob, Chicago, Ill. Telephone signal system. No. 1,093,794; Apr. 21; Gaz. vol. 201; p. 644.
- Meyering, Julius V., assignor to Grube-Meyering Trunk Company, Chicago, Ill. Garment-supporting fixture. No. 1,099,881; June 9; Gaz. vol. 203; p. 561.
- Meyers, Ernest F., Wilmette, Ill. Game. No. 1,099,563; June 9; Gaz. vol. 203; p. 453.
- Meyers, Garry P., Mountain View, Mo. Rim-contractor. No. 1,108,774; Aug. 25; Gaz. vol. 205; p. 1252.
- Meyers, George B. (See Himler, George W., assignor.)
- Meyers, Harry H., New York, N. Y. Gem-setting. No. 1,092,587; Apr. 7; Gaz. vol. 201; p. 160.
- Meyers, Henry. (See Martin, William H., assignor.)
- Meyers, Henry P. (See Nichols and Meyers.)
- Meyers, Louis A., Sauk Center, Minn. Automatic fire and burglar alarm. No. 1,084,100; Jan. 13; Gaz. vol. 198; p. 309.
- Meyers, Louis A., Sauk Center, Minn., and O. H. Tracy, Plaza, N. D. Alarm signaling apparatus. No. 1,113,460; Oct. 13; Gaz. vol. 207; p. 409.
- Meyers, Louis J., assignor to C. Vignos, Canton, Ohio. Lens-sign. No. 1,116,831; Nov. 10; Gaz. vol. 208; p. 515.
- Meyers, Nicholas, assignor to P. C. Meyers, Buffalo, N. Y. Sheet-delivery mechanism. No. 1,085,872; Feb. 3; Gaz. vol. 199; p. 104.
- Meyers, Nicholas, assignor to P. C. Meyers, Buffalo, N. Y. Printing-machine. No. 1,086,387; Feb. 10; Gaz. vol. 199; p. 326.
- Meyers, Nicholas, assignor to P. C. Meyers, Buffalo, N. Y. Addressing-machine. No. 1,105,814; Aug. 4; Gaz. vol. 205; p. 80.
- Meyers, Peter C. (See Meyers, Nicholas, assignor.)
- Meyers and Son, Louis. (See Oathout, George E., assignor.)
- Meyers, William G., Mitchell, S. D. Measuring-tool. No. 1,107,436; Aug. 18; Gaz. vol. 205; p. 740.
- Meyrowitz Manufacturing Co., The. (See Herold, Harry G., assignor.)
- Mezei, William, and F. Podmanicky, East Pittsburgh, Pa. Egg-breaker. No. 1,102,780; July 7; Gaz. vol. 204; p. 195.
- Michael, Clement W., assignor to J. I. Case Plow Works, Racine, Wis. Cultivator. No. 1,084,557; Jan. 13; Gaz. vol. 198; p. 459.
- Michael, Clement W., assignor to J. I. Case Plow Works, Racine, Wis. Gang-plow. No. 1,091,685; Mar. 31; Gaz. vol. 200; p. 1195.
- Michael, Clement W., assignor to J. I. Case Plow Works, Racine, Wis. Cultivator. No. 1,100,387; June 16; Gaz. vol. 203; p. 774.
- Michael, Henry W., Denver, Colo. Exhauster for heating systems. No. 1,090,788; Mar. 17; Gaz. vol. 200; p. 814.
- Michael, Howard O., Baltimore, Md. Razor. No. 1,086,388; Feb. 10; Gaz. vol. 199; p. 326.
- Michael, William H. (See Brown and Michael.)
- Michaelis, Ludwig, Berlin-Wilmersdorf, and E. Fernholz, Berlin, Germany. Apparatus for soldering, welding, and the like. No. 1,096,637; May 12; Gaz. vol. 202; p. 534.

Alphabetical list of patentees—Continued.

- Michaelis, William, London, England, assignor to Nürnberg Metall- & Lackierwarenfabrik vorm. Gebrüder Bing A.-G., Nuremberg, Germany. Constructional toy. No. 1,085,460; Jan. 27; Gaz. vol. 198; p. 833.
- Michaelis, William, London, England, assignor to Nürnberg Metall- & Lackierwarenfabrik vorm. Gebrüder Bing A.-G., Nuremberg, Germany. Pliers. No. 1,085,461; Jan. 27; Gaz. vol. 198; p. 833.
- Michaels, Samuel, Iliopolis, Ill. Railway cross-tie. No. 1,095,412; May 5; Gaz. vol. 202; p. 82.
- Michaelsen, Charles O., Omaha, Nebr. Interrupted-drive gearing. No. 1,085,751; Feb. 3; Gaz. vol. 199; p. 61.
- Michaelsen, Charles O., Omaha, Nebr. Ore-classifier. No. 1,090,326; Mar. 17; Gaz. vol. 200; p. 657.
- Michaelsen, Harold N. (See Thomson and Michaelsen.)
- Michaelson, Joseph M., Minneapolis, Minn. Friction-clutch mechanism. No. 1,122,020; Dec. 22; Gaz. vol. 209; p. 1208.
- Michalski, Louis. (See Kulhawy, Ferdinand, assignor.)
- Michalski, Walter, Buffalo, N. Y. Curtain and shade support. No. 1,098,821; June 2; Gaz. vol. 203; p. 157.
- Michanek, Nicholas, St. Joseph, Mo. Chalk-holder. No. 1,104,815; July 28; Gaz. vol. 204; p. 1036.
- Michaud, Onesime E., St. Louis, Mo. Roller-bearing. No. 1,093,795; Apr. 21; Gaz. vol. 201; p. 644.
- Michel, Charles O., Hoboken, N. J. Folding ladder. No. 1,101,808; June 30; Gaz. vol. 203; p. 1368.
- Micheli, G. m. b. H. (See Stein, Rudolf, assignor.)
- Michell, Anthony G. M., Melbourne, Victoria, Australia. Centrifugal pump. No. 1,089,248; Mar. 3; Gaz. vol. 200; p. 197.
- Michels, Harry, and F. L. Lamoreaux, Detroit, Mich. Saw-filing machine. No. 1,097,252; May 19; Gaz. vol. 202; p. 792.
- Michels, John, Aurora, Ill. Concrete-mixer. No. 1,091,749; Mar. 31; Gaz. vol. 200; p. 1218.
- Michelsen, Hans, Minneapolis, Minn. Shoe-sole-stitching mechanism. No. 1,083,373; Jan. 6; Gaz. vol. 198; p. 38.
- Michet, Victor, Knife River, Minn. Hat-pin guard. No. 1,088,918; Mar. 3; Gaz. vol. 200; p. 84.
- Michet, Victor, Knife River, Minn. Hat-pin guard. No. 1,090,828; Mar. 17; Gaz. vol. 200; p. 828.
- Michie, David B., Chicago, Ill. Towel-holder. No. 1,086,200; Feb. 3; Gaz. vol. 199; p. 219.
- Michieli, John P. (See Boynton, Michieli, and Brandhofer.)
- Michigan Auto Joint Company. (See Carter and Perkins, assignors.)
- Michigan Metal Products Company. (See Vaughan, Thomas M., assignor.)
- Michigan Motor Specialties Company. (See Beck, Charles W., assignor.)
- Michigan Stove Company, The. (See Madsen, Charles P., assignor.)
- Michigan Stove Company, The. (See Maul, Henry C., assignor.)
- Michigan Trust Company, receiver, *et al.* (See Smith, Robert, assignor.)
- Michigan Washing Machine Company *et al.* (See Stanfield, Jasper H., assignor.)
- Michitsch, John, Detroit, Mich. Rattling-machine. No. 1,085,928; Feb. 3; Gaz. vol. 199; p. 124.
- Michitsch, John, Detroit, Mich. Candy-machine. No. 1,108,461; Aug. 25; Gaz. vol. 205; p. 1144.
- Michler, William F., Rhinelander, Wis. Safety-envelop. No. 1,092,660; Apr. 7; Gaz. vol. 201; p. 185.
- Michod, Charles L., Chicago Heights, Ill. Electric transmission-line. No. 1,106,468; Aug. 11; Gaz. vol. 205; p. 351.
- Michod, Charles L., Chicago Heights, Ill. Fence. No. 1,106,826; Aug. 11; Gaz. vol. 205; p. 478.
- Michot, Georges. (See Fernie and Michot.)
- Mick, Leslie P., Chicago, Ill. Desiccating-machine. No. 1,118,304; Nov. 24; Gaz. vol. 208; p. 1107.
- Micke, Louis T., Owensville, Mo. Cartridge-magazine. No. 1,099,992; June 16; Gaz. vol. 203; p. 636.
- Mickel, Glenn L., assignor to American Sales Book Company, Elmira, N. Y. Manifold sales-book. No. 1,084,811; Jan. 20; Gaz. vol. 198; p. 576.
- Mickelson, Carl P., Mason, Mich. Attachment for cleaning-rods. No. 1,107,688; Aug. 18; Gaz. vol. 205; p. 829.
- Mickelson, Samuel, Washington, D. C. Hair-cutting gage. No. 1,091,372; Mar. 24; Gaz. vol. 200; p. 1044.
- Mickleon, Don A., Ryan, Cal. Pocket-knife. No. 1,098,955; June 2; Gaz. vol. 203; p. 203.
- Middlesworth, Leonard V., Philadelphia, Pa. Metal-sash joint. No. 1,108,511; Aug. 25; Gaz. vol. 205; p. 1163.
- Middleton, David L. (See McDonald and Middleton.)
- Middleton, James F., Pittsfield, Mass. Vehicle-wheel. No. 1,088,356; Feb. 24; Gaz. vol. 199; p. 1106.
- Middleton, John and W., New Bedford, Mass. Shuttle. No. 1,121,523; Dec. 15; Gaz. vol. 209; p. 995.
- Middleton, Richard. (See Carpenter and Middleton.)
- Middleton, William. (See Middleton, John and W.)
- Midgley, Albert H. (See Vandervell and Midgley.)
- Midgley, Herbert, Worcester, Mass. Detachable handle for hand-cards. No. 1,104,531; July 21; Gaz. vol. 204; p. 890.
- Midgley, John, and T. G. Mills, Todmorden, England. Stripping mechanism for carding-engines. No. 1,103,150; July 14; Gaz. vol. 204; p. 371.
- Midgley, Joseph, assignor of one-half to W. Bowker, Washington, R. I. Bunch-preventer. No. 1,121,524; Dec. 15; Gaz. vol. 209; p. 996.
- Midgley, Stanley W., assignor to The Curtain Supply Company, Chicago, Ill. Car-vehicle diaphragm. No. 1,095,909; May 5; Gaz. vol. 202; p. 249.
- Midgley, Thomas, Worthington, Ohio. Rim for vehicle-wheels. No. 1,098,163; May 26; Gaz. vol. 202; p. 1153.
- Midgley, Thomas, Hartford, Conn., assignor, by mesne assignments, to The United States Tire Company. Vehicle-wheel. No. 1,086,330; Feb. 3; Gaz. vol. 199; p. 260.
- Midland Chemical Company, The. (See Griswold and Strosacker, assignors.)
- Miech, Otto. (See Bartels and Miech.)
- Mieden, Adam, Sparks, Nev. Memorandum-book. No. 1,096,181; May 12; Gaz. vol. 202; p. 378.
- Miehle Printing Press & Manufacturing Company. (See Henderson, Carl, assignor.)
- Miehle Printing Press & Manufacturing Company. (See Miehle, Robert, assignor.)
- Miehle Printing Press & Manufacturing Company, The. (See Moe, Sivert, assignor.)
- Miehle Printing Press & Manufacturing Company, The. (See Robertson, Charles J., assignor.)
- Miehle Printing Press & Manufacturing Company, The. (See Saxon, William, assignor.)
- Miehle Printing Press & Manufacturing Company. (See Moe, Sivert, assignor.)
- Miehle Printing Press & Manufacturing Company, The. (See Stevens, Burt D., assignor.)
- Miehle Printing Press & Manufacturing Company. (See Stevens and Droitcour, assignors.)
- Miehle, Robert, Chicago, Ill. Fuel-regulator for steam-boilers. No. 1,092,781; Apr. 7; Gaz. vol. 201; p. 225.
- Miehle, Robert, Chicago, Ill. Feed-table for printing-presses. No. 1,111,718; Sept. 22; Gaz. vol. 206; p. 1131.
- Miehle, Robert, assignor to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Cushioning device for printing-presses. No. 1,089,068; Mar. 3; Gaz. vol. 200; p. 134.
- Miehle, Robert, assignor to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Bed-motion for printing-presses. No. 1,093,346; Apr. 14; Gaz. vol. 201; p. 455.
- Miehle, Robert, assignor to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Printing-press. No. 1,093,453; Apr. 14; Gaz. vol. 201; p. 489.
- Miehle, Robert, assignor to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Printing-press. No. 1,100,388; June 16; Gaz. vol. 203; p. 775.
- Miehle, Robert, assignor to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Printing-press. No. 1,105,574; July 28; Gaz. vol. 204; p. 1302.
- Miehle, Robert, Plymouth, Ind., assignor to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Printing-press. No. 1,105,575; July 28; Gaz. vol. 204; p. 1302.
- Miehle, Robert, Plymouth, Ind., assignor to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Sheet-delivery mechanism. No. 1,107,437; Aug. 18; Gaz. vol. 205; p. 741.
- Miehle, Robert, assignor to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Printing-press. No. 1,111,666; Sept. 22; Gaz. vol. 206; p. 1112.
- Miehle, Robert, assignor to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Printing-press. No. 1,111,667; Sept. 22; Gaz. vol. 206; p. 1113.
- Miehle, Robert, assignor to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Sheet-delivery mechanism. No. 1,111,668; Sept. 22; Gaz. vol. 206; p. 1113.
- Miehle, Robert, assignor to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Reciprocating-bed-driving mechanism. No. 1,115,002; Oct. 27; Gaz. vol. 207; p. 1044.
- Miehle, Robert, assignor to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Tripping mechanism for cylinder printing-machines. No. 1,115,083; Oct. 27; Gaz. vol. 207; p. 1073.
- Miehle, Robert, assignor of one-half to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Piling-table for printing-presses. No. 1,089,342; Mar. 3; Gaz. vol. 200; p. 226.
- Miehle, Robert, Plymouth, Ind., assignor to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Sheet-delivery for printing-presses or other machines. No. 1,118,036; Nov. 24; Gaz. vol. 208; p. 1015.
- Miehle, Robert and R. F., Jr., assignors to Continental & Commercial Trust & Savings Bank, trustee, Chicago, Ill. Bed-motion in printing-machines. No. 1,111,604; Sept. 22; Gaz. vol. 206; p. 1090.
- Miehle, Robert F., Jr. (See Miehle, Robert and R. F., Jr.)
- Miele, Thomas A., assignor to himself and A. Caruso, Cincinnati, Ohio. Way-signal or direction-indicator device. No. 1,112,825; Oct. 6; Gaz. vol. 207; p. 145.
- Mielke, Edward, Rocklyn, Wash. Fly-trap. No. 1,107,091; Aug. 11; Gaz. vol. 205; p. 567.
- Mientus, Frank, Oliver, Pa. Railway-switch. No. 1,087,034; Feb. 10; Gaz. vol. 199; p. 549.

Alphabetical list of patentees—Continued.

- Miercort, Charles B., assignor to The Denver Ford Starter Company, Denver, Colo. Starter for explosion-engines. No. 1,120,516; Dec. 8; Gaz. vol. 209; p. 596.
- Miersbe, Adolf, Cologne, Germany. Steam-jet apparatus. No. 1,095,910; May 5; Gaz. vol. 202; p. 250.
- Miesse, Leon, Oakland, Cal. Burglar-alarm for door-knobs. No. 1,096,935; May 19; Gaz. vol. 202; p. 679.
- Miessner, Benjamin J., Washington, D. C. Detector for wireless apparatus. No. 1,104,065; July 21; Gaz. vol. 204; p. 728.
- Mieth, Otto F., assignor to The Ohio Timelock Company, Cincinnati, Ohio. Time-lock. No. 1,105,286; July 28; Gaz. vol. 204; p. 1199.
- Miettunen, Nikolai, Chisholm, Minn. Trap. No. 1,109,652; Sept. 1; Gaz. vol. 206; p. 280.
- Mietzker, Otto A., Oakland, Cal. Fountain-brush. No. 1,099,564; June 9; Gaz. vol. 203; p. 453.
- Mighill, Thomas A., Cambridge, Mass. Apparatus for picking up peat-blocks. No. 1,102,781; July 7; Gaz. vol. 204; p. 195.
- Mihalyak, John, Bitumen, Pa. Rail-guard. No. 1,103,680; July 14; Gaz. vol. 204; p. 557.
- Mihók, Emery W., Hammond, Ind. Agricultural implement. No. 1,116,315; Nov. 3; Gaz. vol. 208; p. 288.
- Mika Cooker Company. (See Linton, Charles E. and E. K., assignors.)
- Mikeal, Isham, Mountain Springs, Tex. Baling-compress. No. 1,102,282; July 7; Gaz. vol. 204; p. 21.
- Mikolasek, Veneslaus F., Lankin, N. D. Grain-saver. No. 1,110,703; Sept. 15; Gaz. vol. 206; p. 736.
- Milarch, Ernst. (See Singer and Milarch.)
- Milburn, Paul W., Spokane, Wash. Valve for internal-combustion-engine cylinders. No. 1,102,283; July 7; Gaz. vol. 204; p. 22.
- Milch, Maurice, Budapest, Austria-Hungary, assignor to General Electric Company. Induction-motor control. No. 1,085,151; Jan. 27; Gaz. vol. 198; p. 727.
- Milde, Emil, Goldschmieden, Germany, assignor to Aluminium Industrie Aktiengesellschaft, Neuhausen, Switzerland. Producing ammonia and alumina from aluminium nitrid. No. 1,115,003; Oct. 27; Gaz. vol. 207; p. 1044.
- Milentz, Arnold L., St. Louis county, Mo. Photographic-dry-plate-inspection table. No. 1,094,672; Apr. 28; Gaz. vol. 201; p. 1003.
- Miles, Casper W., Anderson township, Hamilton county, Ohio, assignor to S. S. Miles, Greensboro, N. C. Gas-compressor valve mechanism. No. 1,092,782; Apr. 7; Gaz. vol. 201; p. 226.
- Miles, Casper W., Anderson township, Hamilton county, Ohio, assignor to S. S. Miles, Greensboro, N. C. Gas-compressor-driving mechanism. No. 1,096,790; May 12; Gaz. vol. 202; p. 584.
- Miles, Casper W., Anderson township, Hamilton county, Ohio. Method and apparatus for casting. No. 1,123,134; Dec. 29; Gaz. vol. 209; p. 1633.
- Miles, Don D., Jr., assignor to B. Goodwin, San Francisco, Cal. Starter for internal-combustion engines. No. 1,098,046; May 26; Gaz. vol. 202; p. 1114.
- Miles, Don D., Jr., assignor to Goodwin and Miles Company, San Francisco, Cal. Starting device for internal-combustion engines. No. 1,098,047; May 26; Gaz. vol. 202; p. 1114.
- Miles, Elizabeth, Evanston, Ill. Maternity-gown. No. 1,104,437; July 21; Gaz. vol. 204; p. 855.
- Miles, Ezra L. (See Oldham and Miles.)
- Miles, Frank W., St. Louis, Mo. Brick-cutting machine. No. 1,105,989; Aug. 4; Gaz. vol. 205; p. 140.
- Miles, Stephen S. (See Miles, Casper W., assignor.)
- Miles, Walker S., Jr., Madera, Pa. Gage. No. 1,108,775; Aug. 25; Gaz. vol. 205; p. 1252.
- Miles, Willis C., Jersey City, N. J. Combined lap-board and blackboard attachment for a table-desk. No. 1,100,983; June 23; Gaz. vol. 203; p. 1033.
- Millette, Charles A. (See Héroux, Edmond, assignor.)
- Millette, Octave, Montreal, Quebec, Canada. Tenoning-machine. No. 1,097,763; May 26; Gaz. vol. 202; p. 1013.
- Milewski, Bronislaw, Kent, Ohio. Trolley-wheel mount. No. 1,115,084; Oct. 27; Gaz. vol. 207; p. 1074.
- Miley, Irvin F., Green Castle, Mo. Door-fastener. No. 1,089,941; Mar. 10; Gaz. vol. 200; p. 484.
- Milford, Jefferson D. (See England, James R., assignor.)
- Militaire Auto Company Inc., The. (See Johnston, David J., assignor.)
- Milkes, Leah G., Minneapolis, Minn. Catamenial appliance. No. 1,108,206; Aug. 25; Gaz. vol. 205; p. 1057.
- Milkop, Martin, Long Island City, N. Y. Cylinder-grinding machine. No. 1,114,376; Oct. 20; Gaz. vol. 207; p. 770.
- Milks, John H., Grays River, Wash. Razor-sharpener. No. 1,107,626; Aug. 18; Gaz. vol. 205; p. 807.
- Milks, Robert K., Ottawa, Ontario, Canada. Antiseptic waterproof garbage-receptacle and stand therefor. No. 1,121,387; Dec. 15; Gaz. vol. 209; p. 949.
- Milks, Robert K., Ottawa, Ontario, Canada. Bag-holder. No. 1,121,388; Dec. 15; Gaz. vol. 209; p. 949.
- Millar, Charles I., Providence, R. I. Can-opener. No. 1,111,163; Sept. 22; Gaz. vol. 206; p. 939.
- Millar, James, Chicopee, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Golf-club. No. 1,091,231; Mar. 24; Gaz. vol. 200; p. 1001.
- Millar, William B., Detroit, Mich. Concrete-insert. No. 1,114,013; Oct. 20; Gaz. vol. 207; p. 640.
- Millard, A. M. (See Trotter, George F., assignor.)
- Millard, Edward F., Watertown, Mass. Dressing wood-pulp-grinding stones. No. 1,118,671; Nov. 24; Gaz. vol. 208; p. 1239.
- Millard, William, assignor, by mesne assignments, to Alball Manufacturing Company, New York, N. Y. Coin-controlled mechanism. No. 1,101,653; June 30; Gaz. vol. 203; p. 1314.
- Millard, William, New York, assignor to Alball Manufacturing Company, Brooklyn, N. Y. Vending-machine. No. 1,109,134; Sept. 1; Gaz. vol. 206; p. 97.
- Millay, Elmer O. (See Ward, William M., assignor.)
- Millay, Frederick W., Haverhill, and J. M. Madigan, Lawrence, Mass. Last. No. 1,114,901; Oct. 27; Gaz. vol. 207; p. 1008.
- Millenman, Herman, Boise, Idaho. Rake and hoe. No. 1,105,815; Aug. 4; Gaz. vol. 205; p. 80.
- Millen, Herbert W., et al. (See Legg and Buechner, assignors.)
- Miller, A. M., Jr. (See Dunn, William A., assignor.)
- Miller, A. R. T., Detroit, Mich. Truck. No. 1,117,586; Nov. 17; Gaz. vol. 208; p. 817.
- Miller, Adolph, Greeley, Colo. Combined pail-cover and strainer. No. 1,117,418; Nov. 17; Gaz. vol. 208; p. 759.
- Miller, Adolph N., assignor to Milwaukee Locomotive Mfg. Co., Milwaukee, Wis. Transmission-gearing. No. 1,096,638; May 12; Gaz. vol. 202; p. 534.
- Miller, Albert L. (See Denine, Martin A., assignor.)
- Miller, Alexander, Mobile, Ala. Foldable step-ladder and ironing-table. No. 1,095,413; May 5; Gaz. vol. 202; p. 82.
- Miller, Alexander, Albemarle, N. C. Duplex envelop. No. 1,115,229; Oct. 27; Gaz. vol. 207; p. 1125.
- Miller, Alfred. (See Matthews and Miller.)
- Miller, Allen S., Flushing, N. Y. Tunnel. No. 1,086,779; Feb. 10; Gaz. vol. 199; p. 465.
- Miller, Alvin, et al. (See Matthew, Amos H., assignor.)
- Miller, Arthur, Kiester, Minn. Machine for exterminating weeds. No. 1,099,712; June 9; Gaz. vol. 203; p. 504.
- Miller, Arthur A., Kapowsin, Wash. Window-holder. No. 1,094,234; Apr. 21; Gaz. vol. 201; p. 791.
- Miller, Arthur A., Kapowsin, Wash. Bottle-stopper. No. 1,111,228; Sept. 22; Gaz. vol. 206; p. 962.
- Miller, Arthur A., Tacoma, Wash. Speed-controller. No. 1,100,143; June 16; Gaz. vol. 203; p. 689.
- Miller, Arthur B. (See Slattery, John S., assignor.)
- Miller, Arthur C., Akron, Ohio. Feed-water regulator. No. 1,100,601; June 16; Gaz. vol. 203; p. 845.
- Miller, Arthur E. (See Curtis, James, assignor.)
- Miller, Arthur P., Mount Clemens, Mich. Rubbing-board. No. 1,084,467; Jan. 13; Gaz. vol. 198; p. 429.
- Miller, Benjamin J. (See Shauls and Miller.)
- Miller, Benjamin J., and W. F. Day, St. Paul, Minn. Kerosene-gas burner. No. 1,119,096; Dec. 1; Gaz. vol. 209; p. 69.
- Miller, Bert W., Artesian, S. D. Sectional wheel-rim. No. 1,107,092; Aug. 11; Gaz. vol. 205; p. 567.
- Miller, Burton E. (See McCuean and Miller.)
- Miller, Calvin C., Summithill, Pa. Heating apparatus. No. 1,114,172; Oct. 20; Gaz. vol. 207; p. 698.
- Miller, Calvin C., Summithill, Pa. Automatic alarm. No. 1,115,712; Nov. 3; Gaz. vol. 208; p. 84.
- Miller, Calvin S., et al. (See Glassco, Robert C., assignor.)
- Miller, Carl, Shenandoah, Pa. Safety-pocket for trousers. No. 1,118,789; Nov. 24; Gaz. vol. 208; p. 1277.
- Miller, Carl E. M., New York, N. Y. Lifting-truck. No. 1,104,532; July 21; Gaz. vol. 204; p. 891.
- Miller, Carl E. M., New York, N. Y. Lifting-truck. No. 1,104,533; July 21; Gaz. vol. 204; p. 891.
- Miller, Carl H. (See Miller, Charles H. and C. H.)
- Miller, Carl H. (See Trimble and Miller.)
- Miller, Carl H., Cleveland, Ohio. Combined solid-fuel and gas range. No. 1,090,163; Mar. 17; Gaz. vol. 200; p. 600.
- Miller, Carroll A., Rowley, Mass. Fastening device. No. 1,104,690; July 21; Gaz. vol. 204; p. 943.
- Miller, Chant A., St. Louis, and R. V. Miller, St. Joseph, Mo. Ventilating device. No. 1,104,816; July 28; Gaz. vol. 204; p. 1036.
- Miller, Charles, assignor to Miller Motor Company, New York, N. Y. Rotary engine. No. 1,093,796; Apr. 21; Gaz. vol. 201; p. 644.
- Miller, Charles A., Sturgis, Mich. Closet-seat structure. No. 1,110,072; Sept. 8; Gaz. vol. 206; p. 471.
- Miller, Charles C., Fort Wayne, Ind. Bag. No. 1,102,426; July 7; Gaz. vol. 204; p. 73.
- Miller, Charles F., Sheffield, Ala. Stand for ironing-boards and the like. No. 1,114,790; Oct. 27; Gaz. vol. 207; p. 968.
- Miller, Charles H., Selma, Ala. Timepiece. No. 1,100,840; June 23; Gaz. vol. 203; p. 982.
- Miller, Charles H., Bennington, Vt. Hydrant-thawing apparatus. No. 1,120,837; Dec. 15; Gaz. vol. 209; p. 757.
- Miller, Charles H., assignor to The Cutler-Hammer Manufacturing Company, Milwaukee, Wis. Circuit-breaker. No. 1,112,639; Oct. 6; Gaz. vol. 207; p. 82.

Alphabetical list of patentees—Continued.

- Miller, Charles H. and C. H., Cleveland, Ohio. Combined gas-burner and grate-bar. No. 1,108,207; Aug. 25; Gaz. vol. 205; p. 1059.
- Miller, Charles J., Minneapolis, Minn., assignor, by mesne assignments, to The Lamson Company, Boston, Mass. Store-service apparatus. No. 1,085,752; Feb. 3; Gaz. vol. 199; p. 62.
- Miller, Charles J., Minneapolis, Minn., assignor, by mesne assignments, to The Lamson Company, Boston, Mass. Store-service apparatus. No. 1,118,037; Nov. 24; Gaz. vol. 208; p. 1015.
- Miller, Charles J., Minneapolis, assignor to G. C. Bohn, St. Paul, Minn. Ice-crusher. No. 1,112,464; Oct. 6; Gaz. vol. 207; p. 17.
- Miller, Charles L. and E. L. N., Yonkers, N. Y. Parcel-post egg-package. No. 1,121,110; Dec. 15; Gaz. vol. 209; p. 855.
- Miller, Christian L. (See Guingrich and Miller.)
- Miller, Clarence C., Shellsburg, Iowa. Gate-latch. No. 1,112,715; Oct. 6; Gaz. vol. 207; p. 108.
- Miller, Clifton L., assignor of one-half to E. J. Newcomb, Washington, D. C. Package-tie. No. 1,114,014; Oct. 20; Gaz. vol. 207; p. 641.
- Miller Concrete Form Company. (See Miller, George, assignor.)
- Miller, Cora H., administratrix. (See Miller, Origen M.)
- Miller, Daisy O., assignor of one-half to M. Haseltine, Washington, D. C. Toilet article. No. 1,107,977; Aug. 18; Gaz. vol. 205; p. 928.
- Miller, Daniel D., Burton, Ohio. Folding crate. No. 1,096,553; May 12; Gaz. vol. 202; p. 505.
- Miller, Daniel D., assignor to Western Electric Company, New York, N. Y. Transmission system. No. 1,096,182; May 12; Gaz. vol. 202; p. 378.
- Miller, David I., Birmingham, Ala. Manufacture of ferrophosphorus. No. 1,115,471; Oct. 27; Gaz. vol. 207; p. 1205.
- Miller, David L., F. T. Lobach, and C. F. Peters, Egypt, Pa. Folding car-step. No. 1,104,374; July 21; Gaz. vol. 204; p. 834.
- Miller, Du Brul & Peters Manufacturing Co., The. (See Du Brul, Napoleon, assignor.)
- Miller, Du Brul and Peters Manufacturing Company, The. (See Rosewarne, Richard E., assignor.)
- Miller Du Brul and Peters Mfg. Co. (See Du Brul, Napoleon and A., assignors.)
- Miller, Edward A., New York, N. Y. Autogenous-welding torch. No. 1,091,525; Mar. 31; Gaz. vol. 200; p. 1141.
- Miller, Edwin C. (See Young, Howard W., assignor.)
- Miller Electric Switch Company, The. (See Miller, Royal R., assignor.)
- Miller, Emma L. N. (See Miller, Charles L. and E. L. N.)
- Miller, Ernest E., Milwaukee, Wis. Repair-tool for pneumatic tires. No. 1,095,283; May 5; Gaz. vol. 202; p. 38.
- Miller, Eseck C., Newark, N. J., assignor to Holden-Morgan Company, Limited, Toronto, Ontario, Canada. Candy-wrapping machine. No. 1,085,283; Jan. 27; Gaz. vol. 198; p. 773.
- Miller, Eseck C., Newark, N. J., assignor to Imperial Stopper Company. Bottle-feeding machine. No. 1,106,884; Aug. 11; Gaz. vol. 205; p. 498.
- Miller, Ferdinand, Covington, Ky. Wagon-jack. No. 1,105,091; July 28; Gaz. vol. 204; p. 1132.
- Miller, Frank. (See Boyle and Miller.)
- Miller, Frank C., assignor to Child & Miller Co., Providence, R. I. Combined vanity-case and mesh-bag. No. 1,111,397; Sept. 22; Gaz. vol. 206; p. 1019.
- Miller, Frank E., Fond du Lac, Wis. Telephone attachment. No. 1,098,822; June 2; Gaz. vol. 203; p. 157.
- Miller, Frank F., Yankton, S. D. Hinge. No. 1,091,584; Mar. 31; Gaz. vol. 200; p. 1160.
- Miller, Frank J., and R. H. Thorne; said Miller assignor to J. L. Hough, Williamsport, Pa. Hydrant. No. 1,083,291; Jan. 6; Gaz. vol. 198; p. 11.
- Miller, Frank P., Washtucna, Wash. Bed attachment. No. 1,087,806; Feb. 17; Gaz. vol. 199; p. 871.
- Miller, Frank W., assignor of one-half to C. D. Bauers, Chicago, Ill. Boiler washing and filling system. No. 1,109,351; Sept. 1; Gaz. vol. 206; p. 176.
- Miller, Frank W., assignor of one-half to C. D. Bauers, Chicago, Ill. Boiler washing and filling system. No. 1,109,352; Sept. 1; Gaz. vol. 206; p. 177.
- Miller, Frank W., assignor of one-half to C. D. Bauers, Chicago, Ill. Boiler washing and filling system. No. 1,109,353; Sept. 1; Gaz. vol. 206; p. 177.
- Miller, Frank W., assignor of one-half to C. D. Bauers, Chicago, Ill. Boiler washing and filling system. No. 1,109,354; Sept. 1; Gaz. vol. 206; p. 177.
- Miller, Franklin C., Easton, Pa. Rim and tire holder for automobiles. No. 1,094,084; Apr. 21; Gaz. vol. 201; p. 741.
- Miller, Franklin C., Easton, Pa. Tire-holder for automobiles, &c. No. 1,094,085; Apr. 21; Gaz. vol. 201; p. 742.
- Miller, Franklin C., Easton, Pa. Rim and tire holder for automobiles. No. 1,094,086; Apr. 21; Gaz. vol. 201; p. 742.
- Miller, Franklin C., Easton, Pa. Hood-lock for automobiles. No. 1,121,111; Dec. 15; Gaz. vol. 209; p. 856.
- Miller, Franklin P., East Orange, N. J. Ice-cream-making machine. No. 1,116,096; Nov. 3; Gaz. vol. 208; p. 216.
- Miller, Franz, Milan, Italy. Motor. No. 1,103,681; July 14; Gaz. vol. 204; p. 557.
- Miller, Fred W. (See Shriner and Miller.)
- Miller, Frederick F., Napanee, Ontario, Canada. Internal-combustion engine. No. 1,110,332; Sept. 15; Gaz. vol. 206; p. 604.
- Miller, Frederick W., assignor to Frigid Fuel Co., Chicago, Ill. Casket lowering and raising apparatus. No. 1,109,538; Sept. 1; Gaz. vol. 206; p. 238.
- Miller, Frederick W., assignor to Ransom and Randolph Co., Toledo, Ohio. Bur-block. No. 1,121,934; Dec. 22; Gaz. vol. 209; p. 1176.
- Miller, Fremont, Bloomington, Ill. Farm-gate. No. 1,119,623; Dec. 1; Gaz. vol. 209; p. 249.
- Miller, George. (See Burkett and Miller.)
- Miller, George, Pittsburgh, Pa. Clipper. No. 1,091,232; Mar. 24; Gaz. vol. 200; p. 1001.
- Miller, George, Baltimore, Md. Billiard-cue-tip fastener. No. 1,103,807; July 14; Gaz. vol. 204; p. 599.
- Miller, George, Fairfield, Wash., assignor to Miller Concrete Form Company. Concrete-wall mold. No. 1,090,488; Mar. 17; Gaz. vol. 200; p. 716.
- Miller, George, Fairfield, Wash., assignor to The Miller Concrete Form Company. Core for making concrete culverts. No. 1,096,047; May 12; Gaz. vol. 202; p. 333.
- Miller, George, and N. J. Beckner, Mabton, Wash. Pump. No. 1,087,675; Feb. 17; Gaz. vol. 199; p. 828.
- Miller, George C. D., assignor to Cary Manufacturing Company, New York, N. Y. Wire box-strapping. No. 1,099,189; June 9; Gaz. vol. 203; p. 323.
- Miller, George E. (See Cantrell and Miller.)
- Miller, George E., Etna, Pa. Combined threading and reaming tool for pipe-couplings. No. 1,098,583; June 2; Gaz. vol. 203; p. 79.
- Miller, George E., Madison, Me. Liner for wood-pulp digesters. No. 1,109,449; Sept. 1; Gaz. vol. 206; p. 209.
- Miller, George E., Oakland, and E. B. Cantrell, San Francisco, Cal. Portable universal milling machine. No. 1,107,221; Aug. 11; Gaz. vol. 205; p. 615.
- Miller, George F., Brooklyn, assignor to American Can Company, New York, N. Y. Fly-killer. No. 1,118,508; Nov. 24; Gaz. vol. 208; p. 1182.
- Miller, George H., Chicago, Ill. Brush holder or receptacle. No. 1,102,284; July 7; Gaz. vol. 204; p. 22.
- Miller, George H., Brooklyn, N. Y. Printing-press. No. 1,105,816; Aug. 4; Gaz. vol. 205; p. 81.
- Miller, George J., Willow Hill, assignor of one-half to L. W. Miller, Newton, Ill. Hay-press. No. 1,118,946; Dec. 1; Gaz. vol. 209; p. 14.
- Miller, George J., Willow Hill, assignor of one-half to L. W. Miller, Newton, Ill. Tying mechanism for hay-presses. No. 1,118,947; Dec. 1; Gaz. vol. 209; p. 14.
- Miller, George W., Chicago, Ill. Sharpener for lawn-mowers. No. 1,086,389; Feb. 10; Gaz. vol. 199; p. 327.
- Miller, George W., Santa Monica, Cal. Sharpener for lawn-mowers. No. 1,091,750; Mar. 31; Gaz. vol. 200; p. 1218.
- Miller, George W., Rochester, N. Y. Hinged last. No. 1,094,673; Apr. 28; Gaz. vol. 201; p. 1003.
- Miller, Gustave, Los Angeles, Cal. Acetylene generating and storing apparatus. No. 1,106,885; Aug. 11; Gaz. vol. 205; p. 498.
- Miller, Gustave L., Geneseo, assignor to The Boss Manufacturing Company, Kewanee, Ill. Corn-husker. (Re-issue.) No. 13,787; Aug. 11; Gaz. vol. 205; p. 624.
- Miller, Harry A., and F. M. Adamson, Indianapolis, Ind. Carbureter. No. 1,094,674; Apr. 28; Gaz. vol. 201; p. 1003.
- Miller, Harvey L., assignor to C. W. Parker, Leavenworth, Kans. Carousel. No. 1,121,748; Dec. 22; Gaz. vol. 209; p. 1111.
- Miller, Henry. (See Hamlyn and Miller.)
- Miller, Henry, Newark, N. J., assignor to The W. C. Edge Jewelry Company. Safety device for jewelry. No. 1,100,389; June 16; Gaz. vol. 203; p. 775.
- Miller, Henry, East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Measuring instrument. No. 1,120,838; Dec. 15; Gaz. vol. 209; p. 758.
- Miller, Henry, Newark, and F. Mueller, Irvington, N. J., assignors to Westinghouse Electric and Manufacturing Company. Machine for manufacturing bearing-jewels. No. 1,097,726; May 26; Gaz. vol. 202; p. 1000.
- Miller, Henry C., Waterford, N. Y. Sound-box. No. 1,087,035; Feb. 10; Gaz. vol. 199; p. 550.
- Miller, Henry C., Waterford, N. Y. Stopping mechanism for sewing-machines. No. 1,118,790; Nov. 24; Gaz. vol. 208; p. 1277.
- Miller, Henry C., Milwaukee, Wis. Locking device for loose-leaf binders. No. 1,119,523; Dec. 1; Gaz. vol. 209; p. 215.
- Miller, Henry E., Linden Heights, Ohio. Segmental block. No. 1,107,689; Aug. 18; Gaz. vol. 205; p. 830.
- Miller, Herman P. E., Hollinwood, Oldham, England. Valve mechanism for internal-combustion engines. No. 1,112,225; Sept. 29; Gaz. vol. 206; p. 1342.
- Miller Improved Gas Engine Company, The. (See Watts, Elmer A., assignor.)

Alphabetical list of patentees—Continued.

- Miller, Ives A., Grapeville, Pa. Rail-tie. No. 1,092,073; Mar. 31; Gaz. vol. 200; p. 1327.
- Miller, J. M., *et al.* (See Davis, John A., assignor.)
- Miller, James A., Jersey City, N. J. Apparatus for bending pipes, rods, &c. No. 1,105,914; Aug. 4; Gaz. vol. 205; p. 114.
- Miller, James B., Rochester, N. Y. Receptacle and blank therefor. (Reissue.) No. 13,812; Oct. 20; Gaz. vol. 207; p. 889.
- Miller, James H. (See Lively, Leroy A., assignor.)
- Miller, James H., Geneseo, Kans. Steering-wheel for plows. No. 1,090,935; Mar. 24; Gaz. vol. 200; p. 897.
- Miller, James R., McRae, Ga. Clamp. No. 1,085,353; Jan. 27; Gaz. vol. 198; p. 798.
- Miller, Jesse F., Albany, N. Y. Gas-engine carbureter. No. 1,097,039; May 19; Gaz. vol. 202; p. 716.
- Miller, John, Jr., Beloit, Wis., assignor to Charles H. Besly and Company, Chicago, Ill. Grinding or drum-sanding machine. No. 1,107,338; Aug. 18; Gaz. vol. 205; p. 704.
- Miller, John F., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Draw-gear and buffing apparatus. No. 1,119,854; Dec. 8; Gaz. vol. 209; p. 363.
- Miller, John G., assignor to The Baker Manufacturing Company, Chicago, Ill. Road-grading machine. No. 1,114,173; Oct. 20; Gaz. vol. 207; p. 699.
- Miller, John H., assignor of one-half to J. L. Carpenter, Bridgeport, Conn. Indicating electric fuse-plug. No. 1,101,946; June 30; Gaz. vol. 203; p. 1417.
- Miller, John J. (See Schaeffer and Shearer, assignors.)
- Miller, John J. A., Denver, Colo. Rope-lock for trunks, crates, and the like. No. 1,088,163; Feb. 24; Gaz. vol. 199; p. 1042.
- Miller, John J. A., Denver, Colo. Resilient tire for automobile and other vehicle wheels. No. 1,104,817; July 28; Gaz. vol. 204; p. 1037.
- Miller, John J. A., Denver, Colo. Metal clip for binding rope ends and for use in rope-splicing. No. 1,114,791; Oct. 27; Gaz. vol. 207; p. 968.
- Miller, John M. (See Miller, Lewis E., assignor.)
- Miller, John W., Akron, Ohio. Spudding attachment. No. 1,100,086; June 16; Gaz. vol. 203; p. 669.
- Miller, John W., Allison Park, Pa. Bob-sled. No. 1,117,882; Nov. 17; Gaz. vol. 208; p. 923.
- Miller, Joseph, Ramona, Kans. Draft-equalizer. No. 1,088,715; Mar. 3; Gaz. vol. 200; p. 15.
- Miller, Joseph, New Douglas, Ill. Milk cooler and strainer. No. 1,115,713; Nov. 3; Gaz. vol. 208; p. 85.
- Miller, Joseph, East Hampton, N. Y. Motor. No. 1,118,509; Nov. 24; Gaz. vol. 208; p. 1182.
- Miller, Joseph, assignor of one-fourth to G. A. Woodman and one-fourth to C. A. Carscadin, Chicago, Ill. Slide-valve. No. 1,084,354; Jan. 13; Gaz. vol. 198; p. 393.
- Miller, Joseph C., Lincoln, Nebr. Piano-hammer. No. 1,104,691; July 21; Gaz. vol. 204; p. 943.
- Miller, Joseph P., Sacramento, Cal. Clam-shell bucket. No. 1,111,719; Sept. 22; Gaz. vol. 206; p. 1131.
- Miller, Joseph H., Duluth, Minn. Cushion-heel and means for attaching same. No. 1,092,378; Apr. 7; Gaz. vol. 201; p. 87.
- Miller, Joseph H., Wellsburg, W. Va. Buffing-handle. No. 1,101,654; June 30; Gaz. vol. 203; p. 1315.
- Miller, Julius J., St. Joseph, Mich., assignor to W. P. Healy, Chicago, Ill. Box-blank machine. No. 1,089,069; Mar. 3; Gaz. vol. 200; p. 135.
- Miller, Julius J., St. Joseph, Mich., assignor to W. P. Healy, Chicago, Ill. Machine for making wire-bound shipping-receptacles. No. 1,110,073; Sept. 8; Gaz. vol. 206; p. 471.
- Miller, Kempster B., assignor to McMeen & Miller, Chicago, Ill. Telephone-support. No. 1,087,808; Feb. 17; Gaz. vol. 199; p. 872.
- Miller, Kempster B., and C. G. Ashley, assignors to McMeen & Miller, Chicago, Ill. Telephone-support. No. 1,087,807; Feb. 17; Gaz. vol. 199; p. 871.
- Miller, Lawrence A., Carroll, Iowa. Folding mirror-frame. No. 1,113,034; Oct. 6; Gaz. vol. 207; p. 216.
- Miller, Leo S., Denver, Colo. Spring-oiler. No. 1,113,035; Oct. 6; Gaz. vol. 207; p. 216.
- Miller, Leonard, assignor to B. S. Boysen, Brownwood, Tex. Distributing switch mechanism for electric signs and similar devices. No. 1,104,692; July 21; Gaz. vol. 204; p. 944.
- Miller, Levett M., Salem, Oreg. Anvil attachment. No. 1,098,584; June 2; Gaz. vol. 203; p. 79.
- Miller, Lewis E., Neodesha, assignor of one-half to J. M. Miller, Goodland, Kans. Egg-carrier. No. 1,105,092; July 28; Gaz. vol. 204; p. 1133.
- Miller, Lewis F., Fairfield, Ohio. Post connection for aeroplanes. No. 1,089,144; Mar. 3; Gaz. vol. 200; p. 164.
- Miller, Lewis R., Jr., Dodge City, Kans. Carbureter. No. 1,095,510; May 5; Gaz. vol. 202; p. 116.
- Miller, Lewis W. (See Miller, George J., assignor.)
- Miller, Lincoln C., *et al.* (See Ames, Joel, assignor.)
- Miller Lock Co. (See Jackson and Soley, assignors.)
- Miller Lock Company. (See Smith, Robert R., assignor.)
- Miller Lock Company. (See Soley, Frank, assignor.)
- Miller, Louis, Detroit, Mich. Table. No. 1,104,917; July 28; Gaz. vol. 204; p. 1072.
- Miller, Louis C., Verona, N. J. Thermostatic fire-alarm. No. 1,112,226; Sept. 29; Gaz. vol. 206; p. 1342.
- Miller, M. R., *et al.* (See Davis, John A., assignor.)
- Miller, Martin P. (See Butler and Miller.)
- Miller, Maximilian P., Collingswood, N. J., assignor to Warren Webster & Company. Steam-heating system. No. 1,098,676; June 2; Gaz. vol. 203; p. 109.
- Miller, Melchior, Le Mars, Iowa. Adjustable tool. No. 1,103,808; July 14; Gaz. vol. 204; p. 599.
- Miller Motor Company. (See Miller, Charles, assignor.)
- Miller, Nathan H., Paterson, N. J. Opera-chair. No. 1,105,990; Aug. 4; Gaz. vol. 205; p. 141.
- Miller, Nellie M., and G. R. Evans, Washington, D. C. Street-sweeper. No. 1,094,235; Apr. 21; Gaz. vol. 201; p. 792.
- Miller, Norman H., Meadville, Pa. Automobile tire-protector. No. 1,091,373; Mar. 24; Gaz. vol. 200; p. 1045.
- Miller, Olof, Fargo, N. D. Starching-machine. No. 1,085,929; Feb. 3; Gaz. vol. 199; p. 124.
- Miller, Origen M., deceased, Amsterdam, N. Y.; C. H. Miller, administratrix. Drying-machine. No. 1,084,558; Jan. 13; Gaz. vol. 198; p. 460.
- Miller, Orin J., Hurdsville, N. D., assignor of one-half to I. Humes, Cutler, Ind. Grain-door. No. 1,086,780; Feb. 10; Gaz. vol. 199; p. 465.
- Miller, Oscar F., New Milford, Pa. Spring-wheel. No. 1,112,309; Sept. 29; Gaz. vol. 206; p. 1371.
- Miller, Otto, Glenellyn, Ill. Valve mechanism for explosive-engines. No. 1,085,462; Jan. 27; Gaz. vol. 198; p. 833.
- Miller Pasteurizing Machine Company, The. (See Pfouts, Leroy S., assignor.)
- Miller, Perry E. (See Greenwood, Joseph, assignor.)
- Miller, Peter J., Peck, Idaho. Shade-bracket. No. 1,084,285; Jan. 13; Gaz. vol. 198; p. 371.
- Miller, Peter J., Peck, Idaho. Propeller for boats. No. 1,095,344; May 5; Gaz. vol. 202; p. 59.
- Miller, Philip. (See Silver, Charles, assignor.)
- Miller, Reuben B., U. S. Army. Air moistening and cooling attachment for radiators. No. 1,116,097; Nov. 3; Gaz. vol. 208; p. 216.
- Miller, Richard E. (See Rider, Samuel S., assignor.)
- Miller, Richard J., Ottumwa, Iowa. Car-coupling. No. 1,115,327; Oct. 27; Gaz. vol. 207; p. 1157.
- Miller, Richard R., Chicago, Ill. Valve. No. 1,086,549; Feb. 10; Gaz. vol. 199; p. 383.
- Miller, Robert, Jr., Schenectady, N. Y., assignor to General Electric Company. Speed-comparing device. No. 1,091,686; Mar. 31; Gaz. vol. 200; p. 1195.
- Miller, Robert, Jr., Schenectady, N. Y., assignor to General Electric Company. Control-spring. No. 1,098,956; June 2; Gaz. vol. 203; p. 203.
- Miller, Robert H., assignor to Laclede-Christy Clay Products Company, St. Louis, Mo. Glass-furnace. No. 1,104,375; July 21; Gaz. vol. 204; p. 834.
- Miller, Robert J. (See Blackman and Miller.)
- Miller, Robert S., Cleveland, Ohio. Car-door fastening. No. 1,092,939; Apr. 14; Gaz. vol. 201; p. 315.
- Miller, Roman L., Mechanicsville, Iowa. Shock-compressor. No. 1,115,085; Oct. 27; Gaz. vol. 207; p. 1074.
- Miller, Roy, Lexington, Ky., and W. E. Sell, assignors to The Sell Horse Goods Company, Canton, Ohio. Harness saddle and girth. No. 1,105,287; July 28; Gaz. vol. 204; p. 1199.
- Miller, Royal R., Pueblo, Colo., assignor to The Miller Electric Switch Company. Electromechanical switch. No. 1,106,576; Aug. 11; Gaz. vol. 205; p. 391.
- Miller, Royal V. (See Miller, Chant A. and R. V.)
- Miller Rubber Company, The. (See Brucker, Ferdinand F., assignor.)
- Miller, Shrewsbury B., Fairmont, W. Va. Splice-bar. No. 1,121,749; Dec. 22; Gaz. vol. 209; p. 1111.
- Miller, Sidney G., Los Angeles, Cal. Automobile-lamp. No. 1,108,512; Aug. 25; Gaz. vol. 205; p. 1164.
- Miller, St. John, Pioneer, Ohio. Feeder for tile-machines. No. 1,093,714; Apr. 21; Gaz. vol. 201; p. 619.
- Miller, Stephen J., Danbury, Conn. Machine for curling hat-brims. No. 1,100,899; June 23; Gaz. vol. 203; p. 1002.
- Miller, T. S., Jr. (See Meier, John, assignor.)
- Miller, Theodore. (See Jamieson and Miller.)
- Miller, Theodore. (See Vaughn and Miller.)
- Miller, Theodore H., Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Spring for spring-bearings. No. 1,086,781; Feb. 10; Gaz. vol. 199; p. 466.
- Miller, Theodore H., Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Spring for spring-bearings. No. 1,107,690; Aug. 18; Gaz. vol. 205; p. 830.
- Miller, Theodore H., Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Spring-bearing. No. 1,107,691; Aug. 18; Gaz. vol. 205; p. 830.
- Miller, Thomas A., Stockton, Cal. Vehicle-wheel. No. 1,117,138; Nov. 10; Gaz. vol. 208; p. 621.
- Miller, Thomas B., assignor of one-half to Smith Cannery Machines Company, Seattle, Wash. Series-multiple switch and condenser for wireless-telegraph systems. No. 1,114,626; Oct. 20; Gaz. vol. 207; p. 856.
- Miller, Thomas B., assignor of one-half to Smith Cannery Machines Company, Seattle, Wash. Telephone receiving instrument. No. 1,114,902; Oct. 27; Gaz. vol. 207; p. 1008.

Alphabetical list of patentees—Continued.

- Miller, Thomas B., assignor of one-half to Smith Cannery Machines Company, Seattle, Wash. Electrical-circuit-changing switch. No. 1,121,750; Dec. 22; Gaz. vol. 209; p. 1111.
- Miller, Thomas B., assignor of one-half to Smith Cannery Machines Company, Seattle, Wash. System for generating electric currents of high frequency. No. 1,122,975; Dec. 29; Gaz. vol. 209; p. 1576.
- Miller, Thomas D., Catonsville, Md., assignor to Asbestos Protected Metal Company, Beaver Falls, Pa. Protected metal sheet. No. 1,115,714; Nov. 3; Gaz. vol. 208; p. 85.
- Miller, Thomas S., South Orange, N. J. Load-transfer apparatus. No. 1,094,005; Apr. 21; Gaz. vol. 201; p. 716.
- Miller, Thomas S., South Orange, N. J. Load-transferring apparatus. No. 1,102,534; July 7; Gaz. vol. 204; p. 109.
- Miller, Thomas S., South Orange, N. J. Clutch-operating means. No. 1,121,112; Dec. 15; Gaz. vol. 209; p. 856.
- Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Closure for inflatable bodies. No. 1,098,286; May 26; Gaz. vol. 202; p. 1197.
- Miller, Tobias, Youngstown, Ohio. Potato-parer. No. 1,104,212; July 21; Gaz. vol. 204; p. 778.
- Miller, Uriah R., assignor to The W. H. Mullins Company, Salem, Ohio. Buoyancy device for canoes, boats, &c. No. 1,086,390; Feb. 10; Gaz. vol. 199; p. 327.
- Miller Vehicle Heater Company. (See Miller, William H., assignor.)
- Miller, Veta L., Cheyenne, Wyo. Artificial leg. No. 1,113,366; Oct. 13; Gaz. vol. 207; p. 376.
- Miller, Volney T. (See Unruh, Benjamin G., assignor.)
- Miller, Volney T., Ness City, Kans. Combination-razor. No. 1,111,164; Sept. 22; Gaz. vol. 206; p. 940.
- Miller, Wallace. (See Craft, Clarence H., assignor.)
- Miller, Walter E., Madison, Wis. Device for preventing backflow in water-supply systems. No. 1,105,991; Aug. 4; Gaz. vol. 205; p. 141.
- Miller, Walter H., Orange, N. J. Phonograph. No. 1,108,208; Aug. 25; Gaz. vol. 205; p. 1057.
- Miller, Warren H., Interlaken, N. J. Camp-pack. No. 1,102,200; June 30; Gaz. vol. 203; p. 1507.
- Miller, Wayne T., Angola, Ind. Fluid-dispensing apparatus. No. 1,093,347; Apr. 14; Gaz. vol. 201; p. 455.
- Miller, Wayne T., assignor of one-half to D. S. Hamlin, Angola, Ind. Film-developing tank. No. 1,091,687; Mar. 31; Gaz. vol. 200; p. 1196.
- Miller, William, Gilman, Mont. Automatic air-brake system. No. 1,104,693; July 21; Gaz. vol. 204; p. 944.
- Miller, William, assignor to R. H. Hills and W. E. Biddle, Amesbury, Mass. Lock-joint. No. 1,119,097; Dec. 1; Gaz. vol. 209; p. 70.
- Miller, William A., Mountain Home, Idaho. Hay-sweep. No. 1,121,389; Dec. 15; Gaz. vol. 209; p. 950.
- Miller, William B., assignor to Copper-Die Horseshoe Company, Pittsburgh, Pa. Apparatus for electrically forming toes and heels on horseshoes. No. 1,111,165; Sept. 22; Gaz. vol. 206; p. 940.
- Miller, William E., Palisade, Nev. Railway angle-bar. No. 1,097,183; May 19; Gaz. vol. 202; p. 766.
- Miller, William E., Palisade, Nev. Tie-plate. No. 1,113,461; Oct. 13; Gaz. vol. 207; p. 410.
- Miller, William E., Palisade, Nev. Combined tie-plate and rail-brace. No. 1,113,462; Oct. 13; Gaz. vol. 207; p. 410.
- Miller, William E., Savannah, Ga. Railway-switch. No. 1,097,817; May 26; Gaz. vol. 202; p. 1032.
- Miller, William E., Hickory, N. C. Steering device for traction-engines. No. 1,117,419; Nov. 17; Gaz. vol. 208; p. 760.
- Miller, William F., Toronto, Ontario, Canada. Globe-manipulator. No. 1,092,940; Apr. 14; Gaz. vol. 201; p. 315.
- Miller, William H., Peru, Ind. Door. No. 1,092,501; Apr. 7; Gaz. vol. 201; p. 131.
- Miller, William H., assignor to Miller Vehicle Heater Company, Crawfordsville, Ind. Vehicle-heater. No. 1,108,513; Aug. 25; Gaz. vol. 205; p. 1164.
- Miller, William J., and D. W. Jones, assignors of one-third to J. F. Stone, Columbus, Ohio. Explosion-engine. No. 1,104,438; July 21; Gaz. vol. 204; p. 855.
- Miller, William L., Marshall, Mich. Disinfectant-distributor. No. 1,091,374; Mar. 24; Gaz. vol. 200; p. 1045.
- Miller, William L., assignor to Gisholt Machine Company, Madison, Wis. Automatic turret-lathe. No. 1,083,554; Jan. 6; Gaz. vol. 198; p. 98.
- Miller, William O., Billings, Mont. Rotary internal-combustion engine. No. 1,106,666; Aug. 11; Gaz. vol. 205; p. 422.
- Miller, Willoughby S., assignor of one-half to J. H. Knoll, Reading, Pa. Damper. No. 1,105,366; July 28; Gaz. vol. 204; p. 1231.
- Millbolland, William K., Jr., Cleveland, Ohio. Turret-lathe. No. 1,099,308; June 9; Gaz. vol. 203; p. 364.
- Millhouse, Henry, Chicago, Ill. Game-table. No. 1,117,587; Nov. 17; Gaz. vol. 208; p. 818.
- Millhouse, John G., and A. Ball, La Salle, Ill. Automatic railway-switch. No. 1,120,323; Dec. 8; Gaz. vol. 209; p. 528.
- Milligan, George R. E., Los Angeles, Cal. Artificial limb. No. 1,090,327; Mar. 17; Gaz. vol. 200; p. 657.
- Milligan, Orrie E., Attica, Ind. Steering device. No. 1,122,145; Dec. 22; Gaz. vol. 209; p. 1249.
- Milliken, Norman I., assignor to Oliver Chilled Plow Works, South Bend, Ind. Gang-plow. No. 1,095,511; May 5; Gaz. vol. 202; p. 117.
- Milliken, Norman I., assignor to Oliver Chilled Plow Works, South Bend, Ind. Gang-plow. No. 1,112,079; Sept. 29; Gaz. vol. 206; p. 1290.
- Milliken, Norman I., assignor to Oliver Chilled Plow Works, South Bend, Ind. Gang-plow. No. 1,119,624; Dec. 1; Gaz. vol. 209; p. 250.
- Milliken, Walter L. (See Shiek, Daniel W., assignor.)
- Milliron, Ira A., New York, N. Y., assignor, by mesne assignments, to Hammock Egg Carrier Company. Package for use in sending fragile articles. No. 1,107,339; Aug. 18; Gaz. vol. 205; p. 704.
- Millner, Francis E., Miami, Okla. Rack. No. 1,096,738; May 12; Gaz. vol. 202; p. 567.
- Millrite Mfg. Co., The. (See McKnight, John A., assignor.)
- Mills, Andrew J., Weir, Miss. Umbrella-rib construction. No. 1,109,691; Sept. 8; Gaz. vol. 206; p. 336.
- Mills, Byron T., Las Vegas, N. Mex. Paper-rack. No. 1,099,857; June 9; Gaz. vol. 203; p. 552.
- Mills, Chester B., East McKeesport, Pa., assignor to Westinghouse Electric and Manufacturing Company. Single-phase motor. No. 1,090,328; Mar. 17; Gaz. vol. 200; p. 657.
- Mills, Edgar A., Baltimore, and R. H. Richards, Hamilton, assignors of fifty-five one-hundredths to said Mills, twenty-five one-hundredths to said Richards, and twenty one-hundredths to U. S. G. Peoples, Baltimore, Md. Water-heating attachment for stoves. No. 1,094,341; Apr. 21; Gaz. vol. 201; p. 824.
- Mills, Edward J., San Francisco, Cal. Index for bound books. No. 1,093,286; Apr. 14; Gaz. vol. 201; p. 434.
- Mills, Edward N., San Francisco, Cal., assignor to Western Door Control Company. Fluid door-controller. No. 1,098,585; June 2; Gaz. vol. 203; p. 80.
- Mills, Elby R., Sabina, Ohio. Combined gas supply and lighting device. No. 1,095,512; May 5; Gaz. vol. 202; p. 117.
- Mills, Francis A., Lawrence, assignor to Draper Company, Hopedale, Mass. Thread-parting mechanism for filling-replenishing looms. No. 1,119,186; Dec. 1; Gaz. vol. 209; p. 100.
- Mills, Francis A., Lawrence, assignor to Draper Company, Hopedale, Mass. Thread-parting mechanism for filling-replenishing looms. No. 1,119,187; Dec. 1; Gaz. vol. 209; p. 100.
- Mills, Frank H., Renovo, Pa. Engine-starter. No. 1,096,314; May 12; Gaz. vol. 202; p. 425.
- Mills, Fred A. and S. W., Kalamazoo, Mich. Gearing. No. 1,118,210; Nov. 24; Gaz. vol. 208; p. 1076.
- Mills, George, and J. J. Cahill, assignors of forty one-hundredths to H. Salani, Sacramento, Cal. Hydraulic rail-spreader. No. 1,101,809; June 30; Gaz. vol. 203; p. 1368.
- Mills, George P., et al. (See Brown, George W. A., assignor.)
- Mills, George W., Jr., assignor to W. A. Keys, New York, N. Y. Neckwear. No. 1,109,859; Sept. 8; Gaz. vol. 206; p. 395.
- Mills, Harry C., Unionville, Conn. Outlet-box. No. 1,103,905; July 14; Gaz. vol. 204; p. 632.
- Mills, Harry L. (See Mills, John M., Jr., assignor.)
- Mills, James, assignor to The Smith & Mills Company, Cincinnati, Ohio. Connecting-rod. No. 1,102,782; July 7; Gaz. vol. 204; p. 196.
- Mills, John M., Jr., assignor of one-fourth to H. L. Mills, Tiskilwa, Ill. Ladder-support. No. 1,115,559; Nov. 3; Gaz. vol. 208; p. 31.
- Mills, Joseph A., Loughborough, assignor of one-half to Moses Mellor & Sons, Limited, Nottingham, England. Knitting-machine. No. 1,084,559; Jan. 13; Gaz. vol. 198; p. 460.
- Mills, Joseph H., Richmond, Ind. Plastic composition. No. 1,088,164; Feb. 24; Gaz. vol. 199; p. 1042.
- Mills, Joseph H., Richmond, Ind. Burial-casket. No. 1,111,166; Sept. 22; Gaz. vol. 206; p. 940.
- Mills Novelty Company. (See Sandell, Henry K., assignor.)
- Mills, Sam W. (See Mills, Fred A. and S. W.)
- Mills, Thomas G. (See Midgley and Mills.)
- Mills, William, Birmingham, England. Apparatus for forming pouring-gates for molds. No. 1,112,465; Oct. 6; Gaz. vol. 207; p. 18.
- Mills, William, Birmingham, England. Molding-machine. No. 1,122,528; Dec. 29; Gaz. vol. 209; p. 1419.
- Mills, William R., Jackson, Mich. Controller for combustion-chambers. No. 1,090,869; Mar. 24; Gaz. vol. 200; p. 874.
- Mills, William S., Trumbull, Conn. Work-feeding attachment for sewing-machines. No. 1,119,098; Dec. 1; Gaz. vol. 209; p. 70.
- Mills, William S., Trumbull, Conn. Work-feeding attachment for sewing-machines. No. 1,119,099; Dec. 1; Gaz. vol. 209; p. 70.
- Mills, William S., Bridgeport, Conn. Work-feeding attachment for sewing-machines. No. 1,119,100; Dec. 1; Gaz. vol. 209; p. 71.

Alphabetical list of patentees—Continued.

- Mills, Willie G., and C. T. Packard, assignors to Edward Packard and Company, Limited, Ipswich, England. Chamber used in the manufacture of sulfuric acid. No. 1,112,546; Oct. 6; Gaz. vol. 207; p. 48.
- Mills Woven Cartridge Belt Company. (See Jennings, Victor H., assignor.)
- Mills Woven Cartridge Belt Company. (See Sisson, Eugene A., assignor.)
- Millsap, Leander W., Jr., Woodland, Cal. Wrench. No. 1,110,220; Sept. 8; Gaz. vol. 206; p. 525.
- Millsaps, Daniel W., assignor to The Millsaps Mail Exchange Company, Marion, S. C. Mail-bag-receiving device. No. 1,083,629; Jan. 6; Gaz. vol. 198; p. 123.
- Millsaps Mail Exchange Company, The. (See Millsaps, Daniel W., assignor.)
- Millspaugh, W. L. (See Venners, James H., assignor.)
- Millspaugh, William H., Sandusky, Ohio. Cylinder-head fastener. No. 1,092,847; Apr. 14; Gaz. vol. 201; p. 284.
- Milmoe, Michael J. (See Redington and Milmoe.)
- Milmoe, Michael J., assignor to W. C. Ritchie & Company, Chicago, Ill. Box-labeling machine. No. 1,091,688; Mar. 31; Gaz. vol. 200; p. 1196.
- Milne, Donald A., New York, N. Y. Reflecting device for show-windows. No. 1,099,462; June 9; Gaz. vol. 203; p. 418.
- Milne, George, Chicago, Ill. Explosive-engine. No. 1,088,292; Feb. 24; Gaz. vol. 199; p. 1085.
- Milne, Robert, assignor to Rockford Drilling Machine Company, Rockford, Ill. Feed for drill-spindles. No. 1,119,625; Dec. 1; Gaz. vol. 209; p. 250.
- Milne, Samuel, Edinburgh, Scotland. Expanding reel bar or core for use in winding and unwinding paper, cloth, and like material. No. 1,122,627; Dec. 29; Gaz. vol. 209; p. 1453.
- Milner, James E., and J. M. Callahan, Canton, Ohio. Heater. No. 1,116,832; Nov. 10; Gaz. vol. 208; p. 515.
- Milnes, Harrison L. (See Bitz, Jacob L., assignor.)
- Milroy, William A., Clay Center, Kans. Windmill-regulator. No. 1,122,976; Dec. 29; Gaz. vol. 209; p. 1577.
- Milson, John R., Watertown, assignor to L. & M. Wool Cleaning Company, Boston, Mass. Wool-cleaning machine. No. 1,101,562; June 30; Gaz. vol. 203; p. 1283.
- Milton Bradley Company. (See Bugbee, Glenn W., assignor.)
- Milton Bradley Company. (See Hastings, Cornelius C., assignor.)
- Milton Bradley Company. (See Palmer, Harry B., assignor.)
- Milton Bradley Company. (See Severance, John, assignor.)
- Milton Chemical Company. (See Billings, Walter H., assignor.)
- Milton, John L., Tiffin, Ohio. Magneto-generator. No. 1,096,048; May 12; Gaz. vol. 202; p. 334.
- Milton, John L., Chicago, Ill. Magneto ignition apparatus. No. 1,096,853; May 19; Gaz. vol. 202; p. 650.
- Milton, John L., and J. E. Holland, Memphis, Tenn. Boltless railway-rail joint and tie-plate combined. No. 1,104,694; July 21; Gaz. vol. 204; p. 945.
- Milton, Samuel N., Spencer, Idaho. Toe-calk for horse-shoes. No. 1,101,139; June 23; Gaz. vol. 203; p. 1087.
- Milwaukee Chair Company. (See Westlake, Huck, and Isaacs, assignors.)
- Milwaukee Corrugating Company. (See Flagge, George, assignor.)
- Milwaukee Corrugating Company. (See Flagge, Phillip P., assignor.)
- Milwaukee Locomotive Manufacturing Company. (See Goodspeed, Leland F., assignor.)
- Milwaukee Locomotive Mfg. Co. (See Miller, Adolph N., assignor.)
- Milwaukee Woven Wire Works. (See Marquardt and Stuewe, assignors.)
- Milwaukee Yacht & Boat Company. (See Crouch, Albert W., assignor.)
- Milz, Max J., Taft, Cal. Window-cleaner. No. 1,087,600; Feb. 17; Gaz. vol. 199; p. 800.
- Milz, Max J., Taft, Cal. Casing-cutter. No. 1,107,822; Aug. 18; Gaz. vol. 205; p. 876.
- Mims, George W., Sr., Thorsby, Ala. Rail-joint. No. 1,085,059; Jan. 20; Gaz. vol. 198; p. 658.
- Minahan, Patrick R., Fond du Lac, Wis. Eyeless needle. No. 1,106,667; Aug. 11; Gaz. vol. 205; p. 423.
- Minck, Paul H., Bremen, Germany, and E. C. de Segundo, London, England. Apparatus for separating fibers from other materials. No. 1,089,661; Mar. 10; Gaz. vol. 200; p. 387.
- Minehart, Denman D., assignor of one-half to E. L. Kornfeld, Los Angeles, Cal. Tire-trunk. No. 1,107,692; Aug. 18; Gaz. vol. 205; p. 831.
- Minehart, Katherine V., Germantown, Pa. Bag-holder. No. 1,121,525; Dec. 15; Gaz. vol. 209; p. 996.
- Miner, Enoch, Elem Grove, Pa. Rail-fastener. No. 1,108,776; Aug. 25; Gaz. vol. 205; p. 1253.
- Miner, Frederick O., Crafton, Pa. Buoy. No. 1,091,860; Mar. 31; Gaz. vol. 200; p. 1259.
- Miner, Howard A., Philadelphia, Pa. Tire-setting device. No. 1,113,133; Oct. 6; Gaz. vol. 207; p. 248.
- Miner, James H., Lumberton, Miss. Wheel-flange lubricator. No. 1,083,901; Jan. 6; Gaz. vol. 198; p. 207.
- Miner, James H., Lumberton, Miss. Wheel-flange lubricator. No. 1,092,738; Apr. 7; Gaz. vol. 201; p. 210.
- Miner, James H., Lumberton, Miss. Wheel-flange lubricator. No. 1,107,978; Aug. 18; Gaz. vol. 205; p. 929.
- Miner, James H., Lumberton, Miss. Flange-lubricator. No. 1,118,142; Nov. 24; Gaz. vol. 208; p. 1052.
- Miner, James H., Lumberton, Miss. Flange-lubricator. No. 1,120,075; Dec. 8; Gaz. vol. 209; p. 440.
- Miner, Marion H., et al. (See Richman, Louis P., assignor.)
- Miner, W. H. (See Haseltine, Stacy B., assignor.)
- Miner, W. H. (See Mitchell, John R., assignor.)
- Miner, William G., Chatham, Va. Door for automobiles. No. 1,087,809; Feb. 17; Gaz. vol. 199; p. 873.
- Miner, William H. (See Dath, Charles E., assignor.)
- Miner, William H. (See Haseltine, Stacey B., assignor.)
- Miner, William H. (See Johnson, George A., assignor.)
- Miner, William H. (See Nash, Charles J., assignor.)
- Miner, William H. (See Nash and Miner.)
- Miner, William H. (See O'Connor, John F., assignor.)
- Miner, William H. (See Patch, Calvin B., assignor.)
- Mineral Point Zinc Company. (See Brooks, George S., assignor.)
- Minerals Separation. (See Chapman, George A., assignor.)
- Minerals Separation. (See Chapman and Tucker, assignors.)
- Minerals Separation Limited. (See Bradford, Leslie, assignor.)
- Minerals Separation Limited. (See Broadbridge and Howard, assignors.)
- Minerals Separation Limited. (See Greenway, Henry H., assignor.)
- Minerals Separation Limited. (See Howard, Allen C., assignor.)
- Minerals Separation Limited. (See Nutter and Hoover, assignors.)
- Minet, Adolphe, and H. L. L. Lucas, Paris, France. Electric furnace. No. 1,103,309; July 14; Gaz. vol. 204; p. 425.
- Minett, Hubert C., Bracebridge, Ontario, Canada. Boat construction. No. 1,119,101; Dec. 1; Gaz. vol. 209; p. 71.
- Minge, August T., Breckinridge, Okla. Plowshare. No. 1,099,897; June 9; Gaz. vol. 203; p. 567.
- Mining Appliances Company. (See Stockly, Walter D., assignor.)
- Minium, Cleon S. (See Roche, William J., assignor.)
- Minke, August, Evansville, Ind. Bag-holder. No. 1,090,404; Mar. 17; Gaz. vol. 200; p. 685.
- Minkler, Bert E., Carthage, Mo. Footwear-cleaner. No. 1,117,883; Nov. 17; Gaz. vol. 208; p. 923.
- Minn Billiard Co., The. (See Haase, August E., assignor.)
- Minneapolis Steel & Machinery Company. (See Burch, Albert M., assignor.)
- Minner, Julian E., Jamestown, N. D. Latch. No. 1,105,527; July 28; Gaz. vol. 204; p. 1286.
- Minnesota Linseed Oil Paint Company. (See Otwell, William B., assignor.)
- Minnich, Joseph F., Fort Wayne, Ind. Fender. No. 1,095,017; Apr. 28; Gaz. vol. 201; p. 1124.
- Minnick, William, Barberton, Ohio. Vehicle-wheel. No. 1,107,093; Aug. 11; Gaz. vol. 205; p. 568.
- Minnick, William F., assignor to The Harris Automatic Press Company, Niles, Ohio. Clamp for printing-plates. No. 1,091,152; Mar. 24; Gaz. vol. 200; p. 973.
- Minnick, William F., assignor to The Harris Automatic Press Company, Niles, Ohio. Sheet feed or separator. No. 1,110,704; Sept. 15; Gaz. vol. 206; p. 737.
- Minnier, Blythe J., Watertown, N. Y., assignor to New York Air Brake Company. Air-brake apparatus. No. 1,093,454; Apr. 14; Gaz. vol. 201; p. 489.
- Minnis, Rector B. (See Norpoth, Theodor, assignor.)
- Minns, Mary L., New York, N. Y. Puzzle. No. 1,115,856; Nov. 3; Gaz. vol. 208; p. 133.
- Minoque, Martin T., Philadelphia, Pa., assignor, by mesne assignments, to Superior Motor Specialty Company. Spark-plug for explosive-engines. No. 1,119,302; Dec. 1; Gaz. vol. 209; p. 138.
- Minor, Charles C., assignor of one-eighth to W. F. Smith and one-fourth to C. L. Jenness, Chicago, Ill. Photographic objective. No. 1,098,823; June 2; Gaz. vol. 203; p. 157.
- Minotti, Pete C., and C. A. McDonald, Hughey, W. Va. Permutation-lock. No. 1,086,068; Feb. 3; Gaz. vol. 199; p. 176.
- Minshall, Charles H., Exmouth, England. Device for use in connection with practising golf. No. 1,094,236; Apr. 21; Gaz. vol. 201; p. 792.
- Minzenmayer, Otto G. (See Blanchard and Minzenmayer.)
- Minzey, George A., assignor to E. C. Wright, Brockton, Mass. Last. No. 1,100,663; June 16; Gaz. vol. 203; p. 865.
- Minzey, George A., assignor to E. C. Wright, Brockton, Mass. Hinged last. No. 1,120,324; Dec. 8; Gaz. vol. 209; p. 528.
- Mioton, Sidney F., assignor of two-fifths to J. Oury, New Orleans, La. Controller for gas-stoves. No. 1,093,872; Apr. 21; Gaz. vol. 201; p. 671.
- Mir, Codina & Marques. (See Codina, Peter, assignor.)

Alphabetical list of patentees—Continued.

- Miraldi, Battista, Washington, D. C. Receptacle for preserving foodstuffs and the like. No. 1,120,325; Dec. 8; Gaz. vol. 209; p. 528.
- Mirano, Axel, New York, and F. W. Walch, Baldwin, N. Y. Amusement apparatus. No. 1,120,733; Dec. 15; Gaz. vol. 209; p. 721.
- Mire, Joseph C., Dreyfus, La. Pulverizer. No. 1,095,911; May 5; Gaz. vol. 202; p. 250.
- Mirrieles, James F., Cincinnati, Ohio. Cooking apparatus. No. 1,087,886; Feb. 17; Gaz. vol. 199; p. 897.
- Mischansky, Stephen A. (See Powlowski and Mischansky.)
- Mischansky, Stephen A., assignor of one-third to A. Prystai, Syracuse, N. Y. Safety appliance for block-signal systems. No. 1,116,316; Nov. 3; Gaz. vol. 208; p. 288.
- Mischler, Charles F., Sandusky, Ohio. Fish-cleaning machine. No. 1,103,809; July 14; Gaz. vol. 204; p. 599.
- Miseta, Nicolas, Bettendorf, Iowa. Dirigible headlight for motor-vehicles. No. 1,090,870; Mar. 24; Gaz. vol. 200; p. 875.
- Miskelly, John D. (See Hines, Curry, Miskelly, and Marshall.)
- Miskey, Julius, Dayton, Ohio. Pneumatic-tire wheel. No. 1,098,677; June 2; Gaz. vol. 203; p. 109.
- Miskovsky, Frank, Lynn, Mass. Engine-starter. No. 1,105,367; July 28; Gaz. vol. 204; p. 1231.
- Missong, Jacob H., Frankfort-on-the-Main, Germany. Steam-engine. No. 1,108,923; Sept. 1; Gaz. vol. 206; p. 22.
- Missouri Hay Press Company. (See Livengood, Winfield S., assignor.)
- Mistral, Paul H., and A. R. Broche, Neuilly-sur-Seine, France. Automatically-adjustable hydraulic pump. No. 1,119,029; Dec. 1; Gaz. vol. 209; p. 46.
- Mitchell, Alonson T. (See Buckland, Charles O., assignor.)
- Mitchell, Alonzo H., Phoenix, Ariz. Plaster. No. 1,107,979; Aug. 18; Gaz. vol. 205; p. 929.
- Mitchell, Andrew F., Pittsburgh, and W. H. Jones, Munhall, assignors to Carnegie Steel Company, Pittsburgh, Pa. Treating armor-plates. No. 1,100,193; June 16; Gaz. vol. 203; p. 707.
- Mitchell, Augusta V., Washington, D. C. Wheel and tire. No. 1,097,660; May 26; Gaz. vol. 202; p. 976.
- Mitchell, Charles P., Arlington Heights, Mass. Thread-package. No. 1,104,818; July 28; Gaz. vol. 204; p. 1037.
- Mitchell, Charles W., Brooklyn, assignor of one-half to C. W. Lansing, New York, N. Y. Pipe-strap. No. 1,087,036; Feb. 10; Gaz. vol. 199; p. 550.
- Mitchell, Charles W., New York, assignor of one-half to C. W. Lansing, Brooklyn, N. Y. Testing-lamp and fuse-testing device. No. 1,109,450; Sept. 1; Gaz. vol. 206; p. 210.
- Mitchell, Courtney N., Detroit, Mich. Shaving-brush. No. 1,112,826; Oct. 6; Gaz. vol. 207; p. 145.
- Mitchell, David G., Oberon, N. D. Tire-protector. No. 1,093,455; Apr. 14; Gaz. vol. 201; p. 490.
- Mitchell, Dell W., and F. Jewell, Pomona, Cal. Working-garment. No. 1,087,037; Feb. 10; Gaz. vol. 199; p. 550.
- Mitchell, Ernest R., assignor to Mitchell Specialty Company, Philadelphia, Pa. Floor-board-antirattling device. No. 1,114,503; Oct. 20; Gaz. vol. 207; p. 818.
- Mitchell, Frank, Hammersmith, London, England, assignor, by mesne assignments, to Atlantic National Bank, Providence, R. I. Target-practice apparatus. No. 1,086,836; Feb. 10; Gaz. vol. 199; p. 485.
- Mitchell, Grady. (See Mitchell, James R. and G.)
- Mitchell, Guy K., Baltimore, Md. Plug-switch. No. 1,112,466; Oct. 6; Gaz. vol. 207; p. 18.
- Mitchell, Guy K., Baltimore, Md. Electric hoist. No. 1,117,588; Nov. 17; Gaz. vol. 208; p. 818.
- Mitchell, Harrison J. (See Lane and Mitchell.)
- Mitchell, Harrison J., assignor to The Berlin Machine Works, Beloit, Wis. End-thrust bearing. No. 1,092,160; Apr. 7; Gaz. vol. 201; p. 12.
- Mitchell, Harrison J., assignor to The Berlin Machine Works, Beloit, Wis. Clamping device for woodworking-machines. No. 1,093,456; Apr. 14; Gaz. vol. 201; p. 490.
- Mitchell, Harrison J., assignor to The Berlin Machine Works, Beloit, Wis. Adjusting device. No. 1,113,463; Oct. 13; Gaz. vol. 207; p. 410.
- Mitchell, Harrison J., assignor to The Berlin Machine Works, Beloit, Wis. Adjustable guide. No. 1,113,464; Oct. 13; Gaz. vol. 207; p. 411.
- Mitchell, Hesekiah E., Coon Rapids, Iowa. Tire. No. 1,113,036; Oct. 6; Gaz. vol. 207; p. 216.
- Mitchell, Ira, Salem, Oreg. Pump. No. 1,088,608; Feb. 24; Gaz. vol. 199; p. 1188.
- Mitchell, Ira G., assignor of one-half to R. S. Ball, Meeker, Colo. Checkrein-holder. No. 1,105,680; Aug. 4; Gaz. vol. 205; p. 32.
- Mitchell, Ira N., Welland Junction, Ontario, Canada. Engine-reverse gear. No. 1,085,463; Jan. 27; Gaz. vol. 198; p. 833.
- Mitchell, James L., Santa Paula, Cal. Automatic circuit-breaker. No. 1,104,439; July 21; Gaz. vol. 204; p. 835.
- Mitchell, James R. and G. Halsell, Tex. Draft device. No. 1,118,211; Nov. 24; Gaz. vol. 208; p. 1076.
- Mitchell, John, Ponsonby, New Zealand, and J. Gell, London, England. Means for securing galvanized iron sheets and for analogous purposes. No. 1,108,209; Aug. 25; Gaz. vol. 205; p. 1058.
- Mitchell, John C. (See Hirsh and Mitchell.)
- Mitchell, John D. (See Mayette and Mitchell.)
- Mitchell, John F., Topeka, Kans. Collapsible drinking-cup. No. 1,093,873; Apr. 21; Gaz. vol. 201; p. 671.
- Mitchell, John H. (See Mayette and Mitchell, assignors.)
- Mitchell, John R., Montclair, N. J. Thread-guide. No. 1,087,502; Feb. 17; Gaz. vol. 199; p. 766.
- Mitchell, John R., Montclair, N. J. Spindle-step. No. 1,088,919; Mar. 3; Gaz. vol. 200; p. 84.
- Mitchell, John R., assignor, by mesne assignments, to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,120,216; Dec. 8; Gaz. vol. 209; p. 492.
- Mitchell, Joseph H., Toledo, Ohio. Nut-lock. No. 1,091,889; Mar. 31; Gaz. vol. 200; p. 1268.
- Mitchell, Louis E. (See Noble and Mitchell.)
- Mitchell, Mary P., Eaton, Ohio. Priming mechanism for explosive-engines. No. 1,102,285; July 7; Gaz. vol. 204; p. 22.
- Mitchell, Mary P., Eaton, Ohio. Electric engine-starter. No. 1,119,855; Dec. 8; Gaz. vol. 209; p. 363.
- Mitchell, Mary P., Eaton, Ohio. Electric engine-starter. No. 1,122,146; Dec. 22; Gaz. vol. 209; p. 1249.
- Mitchell, Raymond C., Springfield, Ohio. Lubricating system. No. 1,119,102; Dec. 1; Gaz. vol. 209; p. 72.
- Mitchell, Richard S. M., assignor to The Talking Moving Picture Co., Inc., Syracuse, N. Y. Transmitter. No. 1,090,557; Mar. 17; Gaz. vol. 200; p. 739.
- Mitchell, Sidney H., St. Louis, Mo. Rail. No. 1,101,873; June 30; Gaz. vol. 203; p. 1390.
- Mitchell Specialty Company. (See Mitchell, Ernest R., assignor.)
- Mitchell, Theresa C., Newport News, Va. Warming appliance for beds. No. 1,121,277; Dec. 15; Gaz. vol. 209; p. 911.
- Mitchell, Thomas, Oquawka, Ill. Hinge. No. 1,091,233; Mar. 24; Gaz. vol. 200; p. 1002.
- Mitchell, Walter F., and E. E. Henry, Astoria, Oreg. Automobile wheel-controlling means. No. 1,104,534; July 21; Gaz. vol. 204; p. 892.
- Mitchell, William, *et al.* (See Neal, Charles W., assignor.)
- Mitchell, William A., Lowell, Mass. Filling-detector for automatic looms. No. 1,110,074; Sept. 8; Gaz. vol. 206; p. 472.
- Mitchell, William J., assignor of one-half to C. P. Turner, Gatesville, N. C. Dash for vehicles. No. 1,094,860; Apr. 28; Gaz. vol. 201; p. 1069.
- Mitchell, William R., Detroit, Mich. Water-closet. No. 1,107,094; Aug. 11; Gaz. vol. 205; p. 568.
- Mitchell, William S., Somerville, Mass., assignor of one-third to J. W. Smith, Paterson, N. J. Automatic motor control. No. 1,106,469; Aug. 11; Gaz. vol. 205; p. 351.
- Mittasch, Alwin. (See Bosch and Mittasch.)
- Mittasch, Alwin. (See Bosch, Mittasch, Wolf, and Stern.)
- Mittasch, Alwin, and H. Morawitz, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing ammonium sulfate. No. 1,091,234; Mar. 24; Gaz. vol. 200; p. 1002.
- Mittelrheinische Cement-Industrie G. m. b. H. (See Lessing, Wilhelm, assignor.)
- Mitten, Philip J., Philadelphia, Pa., assignor to The Near Side Car Company, New York, N. Y. Double-deck vehicle. No. 1,102,602; July 7; Gaz. vol. 204; p. 134.
- Mitten, Philip J., Oakwood Village, Ohio, assignor to The Recording Register and Fare Box Company, New Haven, Conn. Fare-box. No. 1,110,268; Sept. 8; Gaz. vol. 206; p. 542.
- Mittermeyer, John, Rice Lake, Wis. Car-stake. No. 1,087,133; Feb. 17; Gaz. vol. 199; p. 636.
- Mitts & Merrill. (See Winston, William J., assignor.)
- Miwa, Zenbei, and K. Kawai, Tachibana-Cho, Nihonbashi, Tokyo, Japan. Making solid preparations containing oils. No. 1,122,294; Dec. 29; Gaz. vol. 209; p. 1340.
- Mix, Henry D., assignor to Wightman & Hough Company, Providence, R. I. Pendant. No. 1,112,640; Oct. 6; Gaz. vol. 207; p. 82.
- Mix, Henry O., Nassau, Minn. Box for badges. No. 1,103,810; July 14; Gaz. vol. 204; p. 600.
- Mixer, Charles E., assignor to Rexim Fastener Company, Boston, Mass. Buckle. No. 1,095,657; May 5; Gaz. vol. 202; p. 165.
- Mixer, J. H., *et al.* (See Learned, Willard M., assignor.)
- Mixer Machine Company. (See Pettibone, James W., assignor.)
- Mixsell, Ward T., Washington, D. C. Carbureter. No. 1,092,282; Apr. 7; Gaz. vol. 201; p. 55.
- Mixer, George W. (See Sklovsky and Mixer.)
- Mixer, George W., assignor to Deere & Company, Moline, Ill. Shaft-mounting for earthworking implements. (Re-issue.) No. 13,823; Nov. 3; Gaz. vol. 208; p. 305.
- Mixer, George W., Moline, Ill., assignor to Deere & Company. Harvester-reel support. No. 1,117,420; Nov. 17; Gaz. vol. 208; p. 760.
- Miyana, Kintaro, Seattle, Wash. Envelop. No. 1,090,639; Mar. 17; Gaz. vol. 200; p. 767.

Alphabetical list of patentees—Continued.

- Miyasaki, Yuske, McKees Rocks, Pa. Truck-bolster. No. 1,091,375; Mar. 24; Gaz. vol. 200; p. 1045.
- Miyata, Taichiro, and S. Kuwayama, New York, N. Y. Shoe-dressing and making the same. No. 1,106,957; Aug. 11; Gaz. vol. 205; p. 524.
- Mizell, Rose A., Philadelphia, Pa. Label-holder. No. 1,119,303; Dec. 1; Gaz. vol. 209; p. 138.
- Moak, William V., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Railway signaling system. No. 1,102,783; July 7; Gaz. vol. 204; p. 196.
- Moats, Edwin C., Colorado City, Colo. Collapsible stove. No. 1,096,739; May 12; Gaz. vol. 202; p. 568.
- Mobile Company, The. (See Stanton, Charles W., assignor.)
- Mock, Charles M., and A. U. Gerber, Chicago, Ill. Safety appliance for railway-cars. No. 1,086,069; Feb. 3; Gaz. vol. 199; p. 176.
- Mock, Charles M., and A. U. Gerber, Chicago, Ill. Safety appliance for railway-cars. No. 1,086,070; Feb. 3; Gaz. vol. 199; p. 177.
- Mock, Charles M., and A. U. Gerber, Chicago, Ill. Safety appliance for railway-cars. No. 1,102,784; July 7; Gaz. vol. 204; p. 196.
- Mock, James C., Detroit, Mich. Railway-rail joint. No. 1,121,935; Dec. 22; Gaz. vol. 209; p. 1178.
- Mock, John H., Jetmore, Kans. Ditching-machine. No. 1,111,398; Sept. 22; Gaz. vol. 206; p. 1019.
- Mockbee, Charles E., Rolla, assignor of one-half to R. P. Shipley, University, Mo. Lantern. No. 1,103,527; July 14; Gaz. vol. 204; p. 498.
- Model Form Company. (See Luery, Michael, assignor.)
- Model Underwear Company. (See Wentworth, Edward F., assignor.)
- Modern Die and Plate Press Manufacturing Company. (See Pugh, Solon G., assignor.)
- Modern Sales Bureau. (See Lynnock, Carl, assignor.)
- Modern Steel Structural Company. (See Harding, Samuel B., assignor.)
- Modern Tool Company. (See Jackson, Byron D., assignor.)
- Modlin, Hanford C., assignor to Globe Manufacturing Company, Perry, Iowa. Operating device for washing-machines. No. 1,106,827; Aug. 11; Gaz. vol. 205; p. 478.
- Modlin, Kemp, Clio, S. C. Broom. No. 1,107,541; Aug. 18; Gaz. vol. 205; p. 776.
- Moe, James C., Poulisbo, Wash. Device for raising automobile-tops. No. 1,101,755; June 30; Gaz. vol. 203; p. 1348.
- Moe, John S. (See Houseman, Joseph U., assignor.)
- Moe, Rudolf, assignor to American Industrial Company, Chicago, Ill. Dowel guide and holder. No. 1,085,464; Jan. 27; Gaz. vol. 198; p. 834.
- Moe, Rudolph. (See Lunde and Moe.)
- Moe, Sivert, Chicago, Ill. Belt-shifter. No. 1,118,434; Nov. 24; Gaz. vol. 208; p. 1156.
- Moe, Sivert, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Feed control and tripping mechanism for printing-presses. No. 1,092,941; Apr. 14; Gaz. vol. 201; p. 316.
- Moe, Sivert, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Bed-cushioning device for printing-presses. No. 1,104,819; July 28; Gaz. vol. 204; p. 1038.
- Moe, Thorstein O., assignor to A/S De Forenede Norske Laase- & Beslagfabriker, Christiania, Norway. Padlock. No. 1,095,912; May 5; Gaz. vol. 202; p. 250.
- Moehlenbrock, Frederick H. A., St. Louis, Mo. Tobacco-pipe. No. 1,108,304; Aug. 25; Gaz. vol. 205; p. 1195.
- Moehlenbrock, Frederick H. A., St. Louis, Mo. Tobacco-pipe. No. 1,116,317; Nov. 3; Gaz. vol. 208; p. 289.
- Moehrl, Martin, Oakland, Cal. Disinfecter. No. 1,086,331; Feb. 3; Gaz. vol. 199; p. 260.
- Moeller, Adam H., Elyria, Ohio. Device for manufacturing dental backings. No. 1,096,447; May 12; Gaz. vol. 202; p. 470.
- Moeller, Isak. (See Hansson and Moeller.)
- Moeller, Max E., New York, N. Y. Device for illuminating thermometers and similar instruments. No. 1,103,605; July 14; Gaz. vol. 204; p. 528.
- Moeller, Roland, Milwaukee, Wis. Fluid mixing and regulating device. No. 1,112,641; Oct. 6; Gaz. vol. 207; p. 82.
- Moeller, William J., Wyoming, assignor to The Philip Carey Manufacturing Company, Lockland, Ohio. Bag. No. 1,104,308; July 21; Gaz. vol. 204; p. 810.
- Moeller, William J., Wyoming, assignor to The Philip Carey Manufacturing Company, Lockland, Ohio. Fire-proof-paper composition. No. 1,119,103; Dec. 1; Gaz. vol. 209; p. 72.
- Moen, George E., Missoula, Mont. Burner. No. 1,114,504; Oct. 20; Gaz. vol. 207; p. 818.
- Moeng, Edward D. (See Williams, Edward C., assignor.)
- Moersberger, George F. (See Andree, Henry, assignor.)
- Moery, Charlie A. (See Wallace, Columbus C., assignor.)
- Moeschl-Edwards Corrugating Company, The. (See Probert, Edwin R., assignor.)
- Moessner, John C., Mount Pleasant, S. C. Thermostatic circuit-closer. No. 1,104,695; July 21; Gaz. vol. 204; p. 945.
- Moessner, Oscar, administrator. (See Moessner, Otto.)
- Moessner, Otto, deceased, Philadelphia, Pa.; O. Moessner, New Haven, Conn., administrator. Electric-current indicator. No. 1,104,440; July 21; Gaz. vol. 204; p. 856.
- Moffat, James W., Toronto, Ontario, Canada. Electric furnace. No. 1,108,924; Sept. 1; Gaz. vol. 206; p. 22.
- Moffat, William Y., Scranton, Pa., assignor to International Steam Pump Company. Cut-off-valve mechanism. No. 1,086,071; Feb. 3; Gaz. vol. 199; p. 177.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Trimming device for sewing-machines. No. 1,097,040; May 19; Gaz. vol. 202; p. 717.
- Moffatt, James R., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Loop-retainer for sewing-machines. No. 1,097,041; May 19; Gaz. vol. 202; p. 717.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Zigzag, straightaway, stitch sewing-machine with top feed. No. 1,109,635; Sept. 1; Gaz. vol. 206; p. 274.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Binder. No. 1,110,705; Sept. 15; Gaz. vol. 206; p. 737.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Looper-carrier for sewing-machines. No. 1,113,813; Oct. 13; Gaz. vol. 207; p. 532.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Looper for sewing-machines. No. 1,115,086; Oct. 27; Gaz. vol. 207; p. 1074.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing-machines. No. 1,117,589; Nov. 17; Gaz. vol. 208; p. 818.
- Moffett, Albert L. (See Waddell, Andrew L., assignor.)
- Moffett, Allison. (See Francis and Moffett.)
- Moffett, William A., and R. P. Perkins, San Francisco, Cal. Automatic control of signals by light. No. 1,087,966; Feb. 24; Gaz. vol. 199; p. 973.
- Moffitt, Samuel H., Greenfield, Iowa. Automatic door-opening guard. No. 1,098,957; June 2; Gaz. vol. 203; p. 203.
- Moffitt, Ulysses S., Los Angeles, Cal. Switch-throwing device. No. 1,111,313; Sept. 22; Gaz. vol. 206; p. 990.
- Mogan, Christopher J. (See Bindley and Mogan.)
- Mogan, Christopher J., Charleroi, assignor to Pittsburgh Steel Co., Pittsburgh, Pa. Cotton-tie-bundling machine. No. 1,087,810; Feb. 17; Gaz. vol. 199; p. 873.
- Mogan, Christopher J., and R. E. Brock, Charleroi, assignors to Pittsburgh Steel Products Co., Pittsburgh, Pa. Forming axle-housings. No. 1,091,751; Mar. 31; Gaz. vol. 200; p. 1218.
- Mogensen, Olaf E., Plainfield, N. J., assignor to F. L. Smith & Co., New York, N. Y. Tube-mill. No. 1,115,715; Nov. 3; Gaz. vol. 208; p. 85.
- Mogren, Arthur W. (See Erickson and Mogren.)
- Mogridge, Frank P., Mertztown, Pa. Rug and carpet. No. 1,119,856; Dec. 8; Gaz. vol. 209; p. 363.
- Mogul Starter Company. (See Bennett, Harry F., assignor.)
- Mohlberg, John, Brooklyn, N. Y. Garment-hook. No. 1,102,785; July 7; Gaz. vol. 203; p. 196.
- Mohler, Alexander B., Mexico, Mexico. Engine-valve. No. 1,088,609; Feb. 24; Gaz. vol. 199; p. 1188.
- Mohler, James, Jr., Ohaton, Alberta, Canada. Car-door. No. 1,097,661; May 26; Gaz. vol. 202; p. 976.
- Mohler, Paul M., and S. J. Fry, Rockaway, Ore. Car bureting apparatus. No. 1,121,651; Dec. 22; Gaz. vol. 209; p. 1077.
- Mohler, Valentin J., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,096,791; May 12; Gaz. vol. 202; p. 585.
- Mohn, Sebastian S., Clyde, Ohio. Sash-lock. No. 1,083,455; Jan. 6; Gaz. vol. 198; p. 66.
- Mohr, George A., et al. (See Taylor, James W., assignor.)
- Mohr, Paul, Seattle, Wash. Brush-holder. No. 1,119,104; Dec. 1; Gaz. vol. 209; p. 72.
- Mohr, Robert F. (See Bertodo and Mohr.)
- Mohr, Theodore P., New Orleans, La. Poultry-coop. No. 1,084,221; Jan. 13; Gaz. vol. 197; p. 351.
- Mohun, John L. (See Elvin and Mohun.)
- Mohun, John L., Brooklyn, N. Y. Steam-engine-valve-reversing gear. No. 1,084,286; Jan. 13; Gaz. vol. 198; p. 371.
- Mohun, John L., Brooklyn, N. Y. Car-roof. No. 1,119,304; Dec. 1; Gaz. vol. 209; p. 138.
- Mohun, John L., Brooklyn, N. Y. Car-roof structure. No. 1,119,305; Dec. 1; Gaz. vol. 209; p. 139.
- Moine, Selest E., Tulia, Tex. Shifting camera-back. No. 1,110,333; Sept. 15; Gaz. vol. 206; p. 605.
- Moir, James, Burlington, Iowa. Shock-absorber for vehicles. No. 1,099,073; June 2; Gaz. vol. 203; p. 239.
- Moise, Alfred, Barr, Germany. Making manure from tanned-leather shavings or cuttings. No. 1,092,074; Mar. 31; Gaz. vol. 200; p. 1327.
- Moise, Leonard C., and A. O. Pons, Covington, La. Wrench. No. 1,099,811; June 9; Gaz. vol. 203; p. 537.
- Molander, Gustaf F. (See Cremer and Molander.)
- Molander, Hans P., Los Angeles, Cal. Wave-motor. No. 1,098,518; June 2; Gaz. vol. 203; p. 57.

Alphabetical list of patentees—Continued.

- Moldenhauer, Bruno, Berlin, Germany. Detachable lens-mount for eyeglasses. No. 1,107,823; Aug. 18; Gaz. vol. 205; p. 876.
- Moldenhauer, Frederick W., Oconomowoc, Wis. Stanchion. No. 1,085,284; Jan. 27; Gaz. vol. 198; p. 774.
- Moldenhauer, Frederick W., and B. G. Edgerton, assignors to Wisconsin Stable Equipment Company, Oconomowoc, Wis. Stanchion. No. 1,109,933; Sept. 8; Gaz. vol. 206; p. 422.
- Moldenhauer, Otto A., assignor to Wisconsin Sanitary Cow-Milker Co., Watertown, Wis. Suction-cup for milking-machines. No. 1,105,681; Aug. 4; Gaz. vol. 205; p. 33.
- Molesworth, Clyde E., Portland, Oreg., assignor to The Refrigeration Corporation, New York, N. Y. Distilling apparatus. No. 1,086,684; Feb. 10; Gaz. vol. 199; p. 431.
- Molina, Edward C. (See Blauvelt and Molina.)
- Molina, Edward C. (See Gray and Molina.)
- Molina, Edward C., Boston, Mass., assignor to American Telephone and Telegraph Company. Translating and selecting system. No. 1,083,456; Jan. 6; Gaz. vol. 198; p. 66.
- Molina, Edward C., East Orange, N. J., assignor to American Telephone and Telegraph Company. Translating and registering apparatus. No. 1,089,426; Mar. 10; Gaz. vol. 200; p. 303.
- Molina, Edward C., East Orange, N. J., assignor to American Telephone and Telegraph Company. Controlling apparatus for telephone switching systems. No. 1,114,174; Oct. 20; Gaz. vol. 207; p. 699.
- Molina, Louis G., assignor of one-half to E. L. Windom, Chicago, Ill. Carbureter. No. 1,107,693; Aug. 18; Gaz. vol. 205; p. 831.
- Moline, Bennie. (See Gress and Moline.)
- Moline, Herman, Chicago, Ill. Stand for motor-cycles and the like. No. 1,104,696; July 21; Gaz. vol. 204; p. 945.
- Moline Plow Company. (See Dickinson, Harry S., assignor.)
- Moline Plow Company. (See Lindgren, Alexis C., assignor.)
- Moline Plow Company. (See Lindgren and Cook, assignors.)
- Moline Plow Company. (See Lindgren and Mandt, assignors.)
- Moline Plow Company, The. (See Smith and Lindgren, assignors.)
- Moline Plow Company, The. (See Stephens, Charles R., assignor.)
- Moline Plow Company. (See Vingum, Martin J., assignor.)
- Molineus, Eugen. (See Unger and Molineus.)
- Molins, Walter E., London, England. Apparatus for making bags or pockets. No. 1,091,235; Mar. 24; Gaz. vol. 200; p. 1002.
- Molins, Walter E., London, England. Packet-making machine. No. 1,114,281; Oct. 20; Gaz. vol. 207; p. 737.
- Molins, Walter E., London, England. Packet-making machine. No. 1,115,716; Nov. 3; Gaz. vol. 208; p. 86.
- Molitor, Martin J., and M. Britz, Zions; said Molitor assignor to P. M. and J. S. Britz, Roscoe, Minn. Bow-rest for automobiles. No. 1,090,329; Mar. 17; Gaz. vol. 200; p. 658.
- Molkenbur, Henry F., St. Paul, Minn. Package-fastener. No. 1,116,904; Nov. 10; Gaz. vol. 208; p. 540.
- Molkenthin, Herman E. E., Coeur d'Alene, Idaho. Wrench. No. 1,114,377; Oct. 20; Gaz. vol. 207; p. 770.
- Moll, Friedrich, Berlin-Südende, Germany. Apparatus for impregnating wood, &c. No. 1,122,407; Dec. 29; Gaz. vol. 209; p. 1376.
- Moll, Gustav H., St. Louis, Mo. Diffuser for electric fans. No. 1,114,015; Oct. 20; Gaz. vol. 207; p. 641.
- Moll, Oskar, and P. Kuschewitz, county of Kent, England. Device for protecting telegraph and like lines against inductive action from neighboring circuits. No. 1,120,517; Dec. 8; Gaz. vol. 209; p. 596.
- Mollart, Lobegott, assignor to G. B. Lewis Company, Watertown, Wis. Box-fastener. No. 1,102,286; July 7; Gaz. vol. 204; p. 22.
- Molle, John E., Wausau, Wis. Escapement mechanism. No. 1,084,160; Jan. 13; Gaz. vol. 198; p. 329.
- Molle, John E., Wausau, Wis. Paper-holder for typewriters. No. 1,085,060; Jan. 20; Gaz. vol. 198; p. 659.
- Möller, Axel E., Copenhagen, Denmark. Device for spinning screw-formed windings or curls of hair or like material. No. 1,114,016; Oct. 20; Gaz. vol. 207; p. 641.
- Moller, Edvard M., Jersey City, N. J. Door-operating mechanism for cars. No. 1,084,222; Jan. 13; Gaz. vol. 198; p. 351.
- Moller, Edvard M., Jersey City, N. J. Combination door and door-step for platforms of cars. No. 1,102,287; July 7; Gaz. vol. 204; p. 23.
- Moller, Peder T., Seattle, Wash. Cork-extractor. No. 1,113,465; Oct. 13; Gaz. vol. 207; p. 411.
- Mollet, Samuel. (See Bennett, George W., assignor.)
- Molloy, Charles F. (See Moore, Alfred H., assignor.)
- Molloy, Thomas F., et al., administrators. (See Meserole, Milton D., assignor.)
- Molloy, Thomas F., West Haven, Conn. Buckle. No. 1,089,854; Mar. 10; Gaz. vol. 200; p. 452.
- Molloy, William J., Chicago, Ill. Garment-supporter. No. 1,106,886; Aug. 11; Gaz. vol. 205; p. 499.
- Molnár, Paul, East Lorain, Ohio. Horseshoe. No. 1,100,487; June 16; Gaz. vol. 203; p. 808.
- Molner, Herman. (See Wachs and Gallup, assignors.)
- Moloney, Matthew, Christchurch, New Zealand. Fire-alarm. No. 1,109,859; Sept. 8; Gaz. vol. 206; p. 395.
- Moloney, Raymond H., New York, N. Y. Stopper-cap. No. 1,083,849; Jan. 6; Gaz. vol. 198; p. 193.
- Molony, Arthur D., London, England. Puttee. No. 1,118,038; Nov. 24; Gaz. vol. 208; p. 1016.
- Molony, James E., Schenectady, N. Y., assignor to General Electric Company. Automatic sectionalizing-switch. No. 1,108,605; Aug. 25; Gaz. vol. 205; p. 1196.
- Molstad, Peter, Macoun, Saskatchewan, Canada. Furnace-cleaner. No. 1,109,451; Sept. 1; Gaz. vol. 206; p. 210.
- Moltar, Joseph, Fort Riley, Kans. Holder. No. 1,103,367; July 14; Gaz. vol. 204; p. 445.
- Molyneux, Myron G., Ariel, Pa. Cover-support. No. 1,119,188; Dec. 1; Gaz. vol. 209; p. 100.
- Molyneux Auto-Mailing Machine Company. (See Molyneux, Barton S., assignor.)
- Molyneux, Barton S., Buffalo, N. Y., assignor to Molyneux Auto-Mailing Machine Company, Pierre, S. D. Automatic mailing-machine. No. 1,086,391; Feb. 10; Gaz. vol. 199; p. 327.
- Molyneux, George E., Bayonne, N. J. Curtain-fixture. No. 1,109,860; Sept. 8; Gaz. vol. 206; p. 395.
- Molyneux, George E., Bayonne, N. J., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,084,223; Jan. 13; Gaz. vol. 198; p. 352.
- Molyneux, George E., Bayonne, N. J., assignor to The Singer Manufacturing Company. Feeding mechanism for sewing-machines. No. 1,097,346; May 19; Gaz. vol. 202; p. 825.
- Molyneux, George E., Bayonne, N. J., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,111,167; Sept. 22; Gaz. vol. 206; p. 941.
- Molyneux, George E., Bayonne, and F. Pech, Elizabeth, N. J., assignors to The Singer Manufacturing Company. Hand-wheel clutch for sewing-machines. No. 1,111,168; Sept. 22; Gaz. vol. 206; p. 941.
- Molyneux Mailing Machine Company. (See Poler, John W., assignor.)
- Molzahn, Edward T. (See Edsall and Molzahn.)
- Momyer, Harry H., Dallas, Tex. Moving-picture machine. No. 1,111,229; Sept. 22; Gaz. vol. 206; p. 962.
- Monaghan, John E., Fort Morgan, Colo. Wrench. No. 1,088,716; Mar. 3; Gaz. vol. 200; p. 16.
- Monaghan, William J., assignor to Waterbury Mfg. Co., Waterbury, Conn. Portable electric lamp. No. 1,093,144; Apr. 14; Gaz. vol. 201; p. 386.
- Monaghan, William J., assignor to Waterbury Mfg. Co., Waterbury, Conn. Portable electric lamp. No. 1,106,828; Aug. 11; Gaz. vol. 205; p. 478.
- Monahan, Daniel J., assignor to Griswold Manufacturing Company, Erie, Pa. Oven. No. 1,100,087; June 16; Gaz. vol. 203; p. 669.
- Monahan, Joseph W., Providence, R. I. Motor-truck having a dumping-body. No. 1,112,024; Sept. 29; Gaz. vol. 206; p. 1271.
- Monahan, Louis J., Oshkosh, Wis., assignor to L. G. Wade, Holly, Mich. Automobile power plant. No. 1,085,465; Jan. 27; Gaz. vol. 198; p. 834.
- Monahan, Louis J., and C. J. Pope, Oshkosh, Wis. Soy-milk product and making the same. No. 1,104,376; July 21; Gaz. vol. 204; p. 835.
- Monarch Engineering Company. (See Green, Joseph B., assignor.)
- Monarch Manufacturing Corporation. (See Hartwell and Sears, assignors.)
- Monarch Manufacturing Company, The. (See Walter, Charles L., assignor.)
- Monarch Steel Castings Company. (See Giberson, Mason B., assignor.)
- Monarch Telephone Manufacturing Company. (See Fricke, William A., assignor.)
- Monarch Typewriter Company, The. (See Bond and Koerner, assignors.)
- Monarch Typewriter Company, The. (See Steele, Herbert H., assignor.)
- Monard, Alfred, Paris, France. Controlling railway points and signals. No. 1,101,563; June 30; Gaz. vol. 203; p. 1283.
- Monash, Charles P. (See Martin, James H., Jr., assignor.)
- Monasch, Gustav. (See Olm, Oscar J., assignor.)
- Monberg, Soren C., Leadville, Colo. Hydraulic drilling-machine. No. 1,092,075; Mar. 31; Gaz. vol. 200; p. 1328.
- Moncrief, Joseph T., Birmingham, Ala. Compounding a commercial essence of tea. No. 1,094,675; Apr. 28; Gaz. vol. 201; p. 1004.
- Monesmith, Bert L., Cresco, Iowa. Shipping device. No. 1,085,285; Jan. 27; Gaz. vol. 198; p. 774.
- Monforte, Frank, Otisville, N. Y. Waterproofing composition. No. 1,118,791; Nov. 24; Gaz. vol. 208; p. 1278.
- Mongan, John P., Minneapolis, Minn. Automatic uncoupler for car-couplings. No. 1,102,941; July 7; Gaz. vol. 204; p. 249.

Alphabetical list of patentees—Continued.

- Mongeau, George E., Lowell, Mass. Guard for outsole and welt stitching machines. No. 1,112,152; Sept. 29; Gaz. vol. 206; p. 1316.
- Monighan Machine Co. (See Martinson, Oscar J., assignor.)
- Monis, Joseph. (See Maas, Martin A., assignor.)
- Monitor Drill Company. (See Brennan, Thomas, Jr., assignor.)
- Monitor Stove and Range Company, The. (See Doyle, William J., assignor.)
- Monitor Time Clock Co. (See Hawley, William D., assignor.)
- Monk, Raymond W., Pittston, Pa. Supporting-bracket. No. 1,090,105; Mar. 10; Gaz. vol. 200; p. 539.
- Monk, Robert W., Mobeetie, Tex. Cotton-boll harvester. No. 1,105,915; Aug. 4; Gaz. vol. 205; p. 114.
- Monkiewicz, Albert, New Britain, Conn. Grinding-wheel. No. 1,092,588; Apr. 7; Gaz. vol. 201; p. 160.
- Monnier, Robert, Paris, France. Mechanical kneading apparatus. No. 1,107,980; Aug. 18; Gaz. vol. 205; p. 929.
- Monnot, John F., Paris, France, assignor to Duplex Metals Company, New York, N. Y. Making clad metals. No. 1,110,638; Sept. 15; Gaz. vol. 206; p. 713.
- Monnot, John F., Paris, France, assignor to Duplex Metals Company, New York, N. Y. Making clad metals. No. 1,114,792; Oct. 27; Gaz. vol. 207; p. 968.
- Monosmith, David J., Spencer, Ohio. Incandescing element for burners. No. 1,087,811; Feb. 17; Gaz. vol. 199; p. 873.
- Monosmith, Olney B., Lorain, Ohio. Carbureter. No. 1,110,453; Sept. 15; Gaz. vol. 206; p. 648.
- Monroe Burial Device Company, The. (See Shriner and Miller, assignors.)
- Monroe Calculating Machine Company. (See Baldwin, Frank S., assignor.) (Reissue.)
- Monroe, Delplain B., Endicott, N. Y. Crutch. No. 1,107,981; Aug. 18; Gaz. vol. 205; p. 929.
- Monroe, Edward R., Bay City, Mich. Paper-tube-making machine. No. 1,118,212; Nov. 24; Gaz. vol. 208; p. 1077.
- Monroe, Fred R., Middletown, N. Y., assignor of one-half to J. D. Haggerty, Sussex, N. J. Fluid-treating device. No. 1,088,086; Feb. 24; Gaz. vol. 199; p. 1015.
- Monroe, Isaac E., Pleasantville, Pa. Well-drilling appliance. No. 1,096,740; May 12; Gaz. vol. 202; p. 568.
- Monroe, Joseph A., Mayger, Oreg. Pile-driver hammer. No. 1,085,061; Jan. 20; Gaz. vol. 198; p. 659.
- Monroe, Nathaniel S., Arthur, Ill. Road-leveling device. (Reissue.) No. 13,708; Mar. 31; Gaz. vol. 200; p. 1350.
- Monroe, Will-Roy. (See Oblosser, Ulysses C., assignor.)
- Monsarrat, Charles N., et al. (See Motley, Phillips B., assignor.)
- Montag, Christoph F., Blue Island, Ill. Orthodontia appliance. No. 1,085,466; Jan. 27; Gaz. vol. 198; p. 835.
- Montag, Christoph F., Blue Island, Ill. Orthodontia appliance. No. 1,101,504; June 23; Gaz. vol. 203; p. 1213.
- Montag, Christoph F., Blue Island, Ill. Orthodontia pliers. No. 1,103,606; July 14; Gaz. vol. 204; p. 529.
- Montague, Dwight P., Chattanooga, Tenn., and U. G. Lee, Chicago, Ill., assignors to Montague Mailing Machinery Co. Address-plate and index-tab therefor. No. 1,110,221; Sept. 8; Gaz. vol. 206; p. 525.
- Montague, John W., Winnipeg, Manitoba, Canada. Repeating rifle. No. 1,121,526; Dec. 15; Gaz. vol. 209; p. 996.
- Montague Mailing Machinery Co. (See Montague and Lee, assignors.)
- Montague Mailing Machinery Company. (See Lee, Ulysses G., assignor.)
- Montana Metallurgical Company. (See Titus, Court C., assignor.)
- Monte, Manuel P., Stockton, Cal. Land-grader. No. 1,105,817; Aug. 4; Gaz. vol. 205; p. 81.
- Monteagle, Robert C., West Newton, Mass. Steam-piston. No. 1,094,461; Apr. 28; Gaz. vol. 201; p. 928.
- Monterastelli, Buanafele, assignor of one-fourth to E. Murray, Passaic, N. J. Automatic stop for railway-trains. No. 1,103,368; July 14; Gaz. vol. 204; p. 445.
- Montessori Maria, Rome, Italy. Educational device. No. 1,103,369; July 14; Gaz. vol. 204; p. 445.
- Montferrand, Arthur R. (See Joy and Montferrand.)
- Montgomery Brothers. (See Montgomery and Stewart, assignors.)
- Montgomery, Carroll H., White Deer, Tex. Header device. No. 1,104,213; July 21; Gaz. vol. 204; p. 779.
- Montgomery, Gaston W., assignor to Oxygenated Stove and Heater Company, Ltd., Toronto, Ontario, Canada. Cook-stove. No. 1,083,692; Jan. 6; Gaz. vol. 198; p. 143.
- Montgomery, George W., assignor of one-half to M. D. Bowman, Springboro, Pa. Hay-loader. No. 1,112,080; Sept. 29; Gaz. vol. 206; p. 1290.
- Montgomery, Gustavus A., Oilfields, Cal. Underreamer. No. 1,087,812; Feb. 17; Gaz. vol. 199; p. 873.
- Montgomery, Hugh J., Des Moines, Iowa. Telephone-directory. No. 1,099,882; June 9; Gaz. vol. 203; p. 562.
- Montgomery, Jewell S., et al. (See Grayson, George H., assignor.)
- Montgomery, John, Toronto, Ontario, Canada. Lock and latch. No. 1,086,837; Feb. 10; Gaz. vol. 199; p. 485.
- Montgomery, John, Toronto, Ontario, Canada. Tool for boring lock-mortises. No. 1,103,069; July 14; Gaz. vol. 204; p. 342.
- Montgomery, John F. (See Lasswell, William H., assignor.)
- Montgomery, Joseph. (See Wainwright and Montgomery.)
- Montgomery, Leal L., Superior, Wis. Vibrator. No. 1,117,884; Nov. 17; Gaz. vol. 208; p. 923.
- Montgomery, Marshall, and H. M. Stewart, Philadelphia, Pa., assignors to Montgomery Brothers, Incorporated. Packing for steam and hydraulic use. No. 1,117,688; Nov. 7; Gaz. vol. 208; p. 855.
- Montgomery, Robert J., Chicago, Ill. Brush. No. 1,121,652; Dec. 22; Gaz. vol. 209; p. 1077.
- Montgomery, Robert R., Oklahoma, Okla. Dress-form. No. 1,096,049; May 12; Gaz. vol. 202; p. 334.
- Montgomery, Samuel, Portland, Oreg. Horseless farm-vehicle. No. 1,121,751; Dec. 22; Gaz. vol. 209; p. 1112.
- Montgomery, Thomas, assignor of one-half to J. McNeil, Greenock, Scotland. Time-checking machine. No. 1,106,958; Aug. 11; Gaz. vol. 205; p. 524.
- Monti, Eudo, Turin, Italy. Clarifying, aging, and refining wines, liqueurs, and other vegetable extracts. No. 1,108,777; Aug. 25; Gaz. vol. 205; p. 1253.
- Montine, Joseph F., Nevinville, Iowa. Counter-support. No. 1,090,106; Mar. 10; Gaz. vol. 200; p. 539.
- Montine, Joseph F., Nevinville, Iowa. Rail-joint. No. 1,113,037; Oct. 6; Gaz. vol. 207; p. 216.
- Montine, Joseph F., Nevinville, Iowa. Overhead mail or parcel carrier. No. 1,122,785; Dec. 29; Gaz. vol. 209; p. 1509.
- Montreuil, Francis H., Chicago, Ill., assignor to Warren Webster & Company, Camden, N. J. Heating system. No. 1,103,215; July 14; Gaz. vol. 204; p. 395.
- Montroy, Charles L., Coahoma, Miss. Starting device for internal-combustion engines. No. 1,083,457; Jan. 6; Gaz. vol. 198; p. 67.
- Montupet, Léon, Paris, assignor to La Societe Montupet & Cie., Nogent-les-Vierges, Oise, France. Detachable wheel. No. 1,083,334; Jan. 6; Gaz. vol. 198; p. 25.
- Montzheimer, Arthur, Joliet, Ill. Safety device. No. 1,095,221; May 5; Gaz. vol. 202; p. 17.
- Monzaney, John, assignor of one-third to A. M. Keane and one-third to C. E. McCauley, Harrisburg, Pa. Lock. No. 1,105,093; July 28; Gaz. vol. 204; p. 1133.
- Moody, Jason B., Dallas, Tex. Adding-machine. No. 1,116,461; Nov. 10; Gaz. vol. 208; p. 379.
- Moody, Oakman A., Canaan, Me. Road-machine. No. 1,089,427; Mar. 10; Gaz. vol. 200; p. 304.
- Moody, Sydney, Preston, Victoria, Australia. Saddle-pillar and saddle attachment for cycles. No. 1,101,707; June 30; Gaz. vol. 203; p. 1332.
- Moody, Walter S., Schenectady, N. Y., assignor to General Electric Company. Induction electric furnace. No. 1,113,134; Oct. 6; Gaz. vol. 207; p. 249.
- Moody, William D., Freeport, Me., assignor to H. F. Pierce, New York, N. Y. Green-food feeder for poultry. No. 1,084,584; Jan. 13; Gaz. vol. 198; p. 469.
- Mooers, Louis P. (See Spillman and Mooers.)
- Mooers, Louis P., Geneva, Ohio, assignor of one-half to J. S. Bretz Company, New York, N. Y. Ball-bearing. No. 1,093,348; Apr. 14; Gaz. vol. 201; p. 455.
- Mooers, Walter. (See Cerda, Arthur G., assignor.)
- Moomaw, Henry E., Chattanooga, Tenn. Sheet-metal roofing-plate. No. 1,090,330; Mar. 17; Gaz. vol. 200; p. 658.
- Moomy, Joseph G., Erie, Pa. Forming patches for rubber articles. No. 1,111,802; Sept. 29; Gaz. vol. 206; p. 1198.
- Moomy, Joseph G., Erie, Pa. Forming patches for rubber articles. No. 1,111,803; Sept. 29; Gaz. vol. 206; p. 1198.
- Moomy, Joseph G., Erie, Pa. Patch for rubber articles and manufacture of same. No. 1,111,804; Sept. 29; Gaz. vol. 206; p. 1198.
- Moon, Arch, Fallon, Nev. Vehicle-wheel. No. 1,107,982; Aug. 18; Gaz. vol. 205; p. 930.
- Moon, Charles L., and I. Bell, Joplin, assignors of one-third to J. H. Hughes, Neosho, Mo. Tape-moistening machine. No. 1,100,900; June 23; Gaz. vol. 203; p. 1002.
- Moon, Claude E., Lakeport, Cal. Eraser-holder. No. 1,098,287; May 26; Gaz. vol. 202; p. 1197.
- Moon, Edward W., Sr., St. Louis, Mo. Vehicle-wheel. No. 1,089,428; Mar. 10; Gaz. vol. 200; p. 304.
- Moon-Hopkins Billing Machine Company. (See Hopkins, Hubert, assignor.)
- Moon-Hopkins Billing Machine Company. (See Hopkins, William W., assignor.)
- Moon-Hopkins Billing Machine Company. (See Thieme, Otto, assignor.)
- Moon-Hopkins Billing Machine Company. (See Wooley, William, assignor.)
- Mooney, Arnold J., Denver, Colo., assignor to The National Automatic Level and Instrument Company. Appliance for leveling instruments. No. 1,094,583; Apr. 28; Gaz. vol. 201; p. 969.
- Mooney, Frank E., Logansport, Ind. Corn-cutter protector. No. 1,117,077; Nov. 10; Gaz. vol. 208; p. 600.
- Mooney, Frank H., Chicago, Ill. Registering-bank. No. 1,084,161; Jan. 13; Gaz. vol. 198; p. 330.

Alphabetical list of patentees—Continued.

- Mooney, Frank K., Kingston, N. Y. Auxiliary gas-generator for engines. No. 1,098,164; May 26; Gaz. vol. 202; p. 1153.
- Mooney, Jacob A. (See Gilbert, Franklin P., assignor.)
- Mooney, John L. (See Bremer and Mooney.)
- Mooney, Lawrence C., Montgomery, Ala. Cross-tie for railways. No. 1,096,315; May 12; Gaz. vol. 202; p. 426.
- Mooney, Marvin H., Trenton, Mo. Mold for concrete construction. No. 1,122,977; Dec. 29; Gaz. vol. 209; p. 1577.
- Moonlight Bait Company, The. (See Wilber and Ball, assignors.)
- Moor, Edward N., Oakland, Cal. Traverse-machine for lathes. No. 1,112,716; Oct. 6; Gaz. vol. 207; p. 108.
- Mooraj, Gulamali G., Bombay, India. Wind-screen for vehicles. No. 1,086,201; Feb. 3; Gaz. vol. 199; p. 219.
- Moorby, John W. (See Mallott, Johnson, and Moorby.)
- Moore, Firm of Alfred F. (See Dambman, Walter C., assignor.)
- Moore, Alfred H., assignor of one-half to C. F. Molley, New York, N. Y. Railway-rail. No. 1,094,342; Apr. 21; Gaz. vol. 201; p. 824.
- Moore, Allen R., Mount Vernon, Wash. Vehicle wheel or runner. No. 1,101,316; June 23; Gaz. vol. 203; p. 1147.
- Moore, Ambrose L., New Orleans, La. Rotary stump extractor and lift. No. 1,114,505; Oct. 20; Gaz. vol. 207; p. 818.
- Moore, Ambrose L. and G. D., New Orleans, La. Stump-cutting machine. No. 1,104,535; July 21; Gaz. vol. 204; p. 892.
- Moore, Arthur H., assignor to Bridgeport Brass Company, Bridgeport, Conn. Sheet-metal nut and making the same. No. 1,088,437; Feb. 24; Gaz. vol. 199; p. 1134.
- Moore, Calvin, Eldora, and L. A. Hutchens, New Providence, Iowa. Gate. No. 1,083,458; Jan. 6; Gaz. vol. 198; p. 67.
- Moore, Charles A., Johnstown, Pa. Electrical regulator. No. 1,117,689; Nov. 17; Gaz. vol. 208; p. 856.
- Moore, Charles A., St. Paul, Minn. Means for ventilating cars. No. 1,120,622; Dec. 8; Gaz. vol. 209; p. 635.
- Moore, Charles A., St. Paul, Minn., assignor to Moore Patent Car Co. Refrigerator-car. No. 1,113,135; Oct. 6; Gaz. vol. 207; p. 249.
- Moore, Charles B., Evanston, Ill., assignor, by mesne assignments, to American Arch Company, New York, N. Y. Refractory arch for locomotive-boiler furnaces. No. 1,109,692; Sept. 8; Gaz. vol. 206; p. 336.
- Moore, Charles B., Evanston, Ill., assignor to American Arch Company, New York, N. Y. Locomotive-boiler furnace. No. 1,115,230; Oct. 27; Gaz. vol. 207; p. 1125.
- Moore, Charles B., Evanston, Ill., assignor to American Arch Company, New York, N. Y. Locomotive-boiler furnace. No. 1,115,231; Oct. 27; Gaz. vol. 207; p. 1126.
- Moore, Charles B., Evanston, Ill., assignor to American Arch Company, New York, N. Y. Locomotive-boiler furnace. No. 1,115,955; Nov. 3; Gaz. vol. 208; p. 166.
- Moore, Charles B., Evanston, Ill., assignor to American Arch Company, New York, N. Y. Locomotive-boiler furnace. No. 1,115,956; Nov. 3; Gaz. vol. 208; p. 167.
- Moore, Charles B., Evanston, Ill., assignor to American Arch Company, New York, N. Y. Locomotive-boiler furnace. No. 1,115,957; Nov. 3; Gaz. vol. 208; p. 167.
- Moore, Charles B., Evanston, Ill., assignor to American Arch Company, New York, N. Y. Locomotive-boiler furnace. No. 1,115,958; Nov. 3; Gaz. vol. 208; p. 168.
- Moore, Charles B., Evanston, Ill., assignor, by mesne assignments, to American Arch Company, New York, N. Y. Locomotive-boiler furnace. No. 1,118,567; Nov. 24; Gaz. vol. 208; p. 1203.
- Moore, Charles B., Evanston, Ill., assignor to American Arch Company, New York, N. Y. Locomotive-boiler furnace. No. 1,118,568; Nov. 24; Gaz. vol. 208; p. 1203.
- Moore, Charles C., and W. Trantom, Lymm, England. Treating hides before tanning. No. 1,091,236; Mar. 24; Gaz. vol. 200; p. 1003.
- Moore, Charles N., Douglas, Ariz. Oil-burner. No. 1,089,855; Mar. 10; Gaz. vol. 200; p. 452.
- Moore, Charles T., assignor to The Columbus Glass Company, Lancaster, Ohio. Glass-cutter. No. 1,101,032; June 23; Gaz. vol. 203; p. 1050.
- Moore, Charles T., assignor to The Columbus Glass Company, Lancaster, Ohio. Device for capping off glass cylinders. No. 1,101,033; June 23; Gaz. vol. 203; p. 1051.
- Moore, Charles T., Washington, D. C., assignor, by mesne assignments, to J. G. Coffin, trustee. Automatic typographic apparatus. No. 1,115,472; Oct. 27; Gaz. vol. 207; p. 1205.
- Moore, Charles T., Washington, D. C., assignor, by mesne assignments, to J. G. Coffin, trustee. Automatic typographic apparatus. No. 1,115,474; Oct. 27; Gaz. vol. 207; p. 1206.
- Moore, Chester N., Schenectady, N. Y., assignor to General Electric Company. Resistance element. No. 1,107,233; Aug. 11; Gaz. vol. 205; p. 619.
- Moore, Claude, Taft, Cal. Rotary tool for deep wells. No. 1,110,639; Sept. 15; Gaz. vol. 206; p. 713.
- Moore, Cyrus, Cambridge, Ohio. Window shade and curtain fixture. No. 1,103,982; July 21; Gaz. vol. 204; p. 699.
- Moore, David F., Bremerton, Wash. Reefing-iron. No. 1,114,903; Oct. 27; Gaz. vol. 207; p. 1008.
- Moore, David P. (See Hullings and Moore.)
- Moore, Edward, Syracuse, N. Y. Combustion-engine. No. 1,098,824; June 2; Gaz. vol. 203; p. 158.
- Moore, Edward Y., Cleveland, Ohio. Hoisting mechanism. No. 1,103,889; July 14; Gaz. vol. 204; p. 627.
- Moore, Edward Y., Cleveland, Ohio. Hoisting mechanism. No. 1,112,153; Sept. 29; Gaz. vol. 206; p. 1316.
- Moore, Edward Y., Cleveland, Ohio. Trolley-hoist. No. 1,122,295; Dec. 29; Gaz. vol. 209; p. 1340.
- Moore, Edwin, Audrey, Saskatchewan, Canada. Automatic shocker. No. 1,121,527; Dec. 15; Gaz. vol. 209; p. 997.
- Moore, Elmer C., Baltimore, Md., assignor to J. E. Hanger, Inc. Artificial limb. No. 1,108,462; Aug. 25; Gaz. vol. 205; p. 1145.
- Moore, Ernest A., assignor to Bates Machine Co., Joliet, Ill. Valve mechanism for engines. No. 1,096,259; May 12; Gaz. vol. 202; p. 407.
- Moore Filter Company. (See Leach, Paul F., assignor.)
- Moore, Francis E. (See Rial and Moore.)
- Moore, Frank E., Ellwood City, Pa. Gravity-carrier. No. 1,102,161; June 30; Gaz. vol. 203; p. 1492.
- Moore, Frederick W., Newark, N. J., assignor to Luxemoor Company, Boston, Mass. Embossed layer of felt. No. 1,115,232; Oct. 27; Gaz. vol. 207; p. 1126.
- Moore, Gales P., assignor to The New Departure Manufacturing Company, Bristol, Conn. Coaster-brake. No. 1,113,367; Oct. 13; Gaz. vol. 207; p. 376.
- Moore, George. (See Wilson, John A., assignor.)
- Moore, George, Joplin, Mo. Replacing process. No. 1,114,018; Oct. 20; Gaz. vol. 207; p. 642.
- Moore, George A., Medford, Mass. Fastening device for hoops. No. 1,118,213; Nov. 24; Gaz. vol. 208; p. 1077.
- Moore, George D. (See Moore, Ambrose L. and G. D.)
- Moore, George D., Rowena, S. D. Door-holder. No. 1,093,457; Apr. 14; Gaz. vol. 201; p. 490.
- Moore, George R., et al. (See Roberts, Henry P., assignor.)
- Moore, George W., Florence Logging Camp, Snohomish county, Wash. Saw-guide. No. 1,093,458; Apr. 14; Gaz. vol. 201; p. 491.
- Moore, Giles, Frankfort, Ind. Fuse. No. 1,113,038; Oct. 6; Gaz. vol. 207; p. 217.
- Moore, Giles, Frankfort, Ind. Protective device for electrical circuits. No. 1,116,607; Nov. 10; Gaz. vol. 208; p. 435.
- Moore, Grover C., Campton, Ga. Resilient wheel. No. 1,087,038; Feb. 10; Gaz. vol. 199; p. 550.
- Moore, Harlan, New York, N. Y. Rubber. No. 1,100,319; June 16; Gaz. vol. 203; p. 750.
- Moore, Harriet L., executrix. (See Moore, William E.)
- Moore, Harrison I., Windsor, Nova Scotia, Canada. Sack-holder. No. 1,103,370; July 14; Gaz. vol. 204; p. 446.
- Moore, Harry W., Kansas City, Kans. Chair or seat. No. 1,100,901; June 23; Gaz. vol. 203; p. 1003.
- Moore, Henry E. (See Foye, Moore, and Boyle.)
- Moore, Henry F., assignor, by mesne assignments, to W. S. Saiter, Chicago, Ill. Mechanism for transmitting motion. No. 1,113,039; Oct. 6; Gaz. vol. 207; p. 217.
- Moore, Herbert L. G., Hohokus, N. J. Egg holder and carrier. No. 1,108,606; Aug. 25; Gaz. vol. 205; p. 1196.
- Moore, Herbert L. G., Richmond Hill, N. Y., assignor of one-half to himself, and one-half to H. A. Vreeland, North Paterson, N. J. Grease-proof paper vessel. No. 1,091,526; Mar. 31; Gaz. vol. 200; p. 1141.
- Moore, Herbert L. G., Richmond Hill, N. Y., assignor of one-half to himself, and one-half to H. A. Vreeland, North Paterson, N. J. Waterproof and grease-proof material for the manufacture of containers. No. 1,091,527; Mar. 31; Gaz. vol. 200; p. 1141.
- Moore, Hiram, Hancock, Mich. Valve-reseater. No. 1,113,674; Oct. 13; Gaz. vol. 207; p. 482.
- Moore, Hugh K. (See Mulliken and Moore.)
- Moore, Hugh K., Berlin, N. H. Core compound. No. 1,091,690; Mar. 31; Gaz. vol. 200; p. 1197.
- Moore, Hugh K., Berlin, N. H. Evaporating and concentrating apparatus. No. 1,098,825; June 2; Gaz. vol. 203; p. 158.
- Moore, Hugh K., Berlin, N. H. Process and apparatus for hydrogenating unsaturated compounds. No. 1,121,860; Dec. 22; Gaz. vol. 209; p. 1152.
- Moore, Hugh K., and R. B. Wolf, Berlin, N. H. Producing sulfur dioxide. No. 1,091,689; Mar. 31; Gaz. vol. 200; p. 1196.
- Moore, Hugh K., and R. B. Wolf, Berlin, N. H. Making sulfite liquor. No. 1,099,565; June 9; Gaz. vol. 203; p. 454.
- Moore, Hugh K., and R. B. Wolf, Berlin, N. H. Reclaiming waste products in the manufacture of sulfite fiber. No. 1,103,216; July 14; Gaz. vol. 204; p. 395.
- Moore, Hugh K., and R. B. Wolf, Berlin, N. H. Reclaiming waste products in the manufacture of sulfite fiber. No. 1,110,454; Sept. 15; Gaz. vol. 206; p. 648.

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- Moore, Hugh K., and R. B. Wolf, Berlin, N. H. Making sulfite fiber and reclaiming sulfur dioxide. No. 1,119,977; Dec. 8; Gaz. vol. 209; p. 406.
- Moore, Jacob H., Delavan, Kans. Vertically-adjustable hinge. No. 1,103,607; July 14; Gaz. vol. 204; p. 529.
- Moore, James C., Philadelphia, Pa. Hand-truck. No. 1,084,287; Jan. 13; Gaz. vol. 198; p. 371.
- Moore, James D., assignor to W. C. Meadows Mill Co., North Wilkesboro, N. C. Feed-regulator. No. 1,088,438; Feb. 24; Gaz. vol. 199; p. 1134.
- Moore, James W., Portsmouth, Va. Blow-torch. No. 1,122,147; Dec. 22; Gaz. vol. 209; p. 1249.
- Moore, John B., assignor to Latrobe Tool Company, Latrobe, Pa. Twist-drill. No. 1,122,786; Dec. 29; Gaz. vol. 209; p. 1509.
- Moore, John B., assignor to Latrobe Tool Company, Latrobe, Pa. Making twist-drills or the like. No. 1,122,787; Dec. 29; Gaz. vol. 209; p. 1510.
- Moore, John J., Chambersburg, Pa. Electric clock. No. 1,091,153; Mar. 24; Gaz. vol. 200; p. 973.
- Moore, Joseph D., Folkston, Ga. Switch-lock. No. 1,098,958; June 2; Gaz. vol. 203; p. 204.
- Moore, Joseph M., Unadilla, N. Y. Silo-door. No. 1,117,218; Nov. 17; Gaz. vol. 208; p. 689.
- Moore, Lee C., Pittsburgh, Pa. Steel tower or derrick. No. 1,092,503; Apr. 7; Gaz. vol. 201; p. 132.
- Moore, Lee C., Pittsburgh, Pa. Wheel for oil-well derricks. No. 1,113,233; Oct. 13; Gaz. vol. 207; p. 328.
- Moore, Leo I., Leggett, Tex. Telegraph-transmitter. No. 1,098,959; June 2; Gaz. vol. 203; p. 204.
- Moore, Lewis P. (See Pippin, Clyde A., assignor.)
- Moore, Luie H., *et al.* (See Harrington, Leslie, assignor.)
- Moore, Merrill, Creston, Iowa. Block-mold. No. 1,084,355; Jan. 13; Gaz. vol. 198; p. 394.
- Moore, Moses M., assignor to T. W. Snow Construction Company, Chicago, Ill. Valve. No. 1,100,320; June 16; Gaz. vol. 203; p. 751.
- Moore, Omer E., Coldwater, Kans. Pneumatic shoe-form. No. 1,086,782; Feb. 10; Gaz. vol. 199; p. 466.
- Moore, Otto N., Indianapolis, Ind., assignor to Ohmer Fare Register Company, Rochester, N. Y. Fare-recording machine. No. 1,102,942; July 7; Gaz. vol. 204; p. 249.
- Moore, Otto N., Indianapolis, Ind., assignor, by mesne assignments, to Ohmer Fare Register Company, Rochester, N. Y. Fare-register. (Reissue.) No. 13,773; July 14; Gaz. vol. 204; p. 642.
- Moore Patent Car Co. (See Moore, Charles A., assignor.)
- Moore, Philip W. (See Preston and Moore.)
- Moore, Philip W., Evanston, assignor to The P. & M. Co., Chicago, Ill. Anticreeper for rails. No. 1,084,288; Jan. 13; Gaz. vol. 198; p. 372.
- Moore, Philip W., Evanston, assignor to The P. & M. Co., Chicago, Ill. Tie-spacing device. No. 1,095,658; May 5; Gaz. vol. 202; p. 166.
- Moore, Philip W., Evanston, assignor to The P. & M. Company, Chicago, Ill. Rail-anchor. No. 1,116,722; Nov. 10; Gaz. vol. 208; p. 476.
- Moore, Pressley A. C., Los Angeles, Cal. Current-motor. No. 1,103,426; July 14; Gaz. vol. 204; p. 464.
- Moore, R. S. (See Erickson, Daniel E., assignor.)
- Moore, Ralph S., *et al.* (See Marker, Henry H., assignor.)
- Moore, Richard D., Galesburg, Ill. Railway-rail. No. 1,084,812; Jan. 20; Gaz. vol. 198; p. 576.
- Moore, Risdon D., Ardmore, Okla. Card-door-sealing device. No. 1,113,040; Oct. 6; Gaz. vol. 207; p. 217.
- Moore, Robert, Tuxedo Park, N. Y. Combined racket clamp and case. No. 1,121,113; Dec. 15; Gaz. vol. 209; p. 857.
- Moore, Robert E., St. Louis county, Mo. Combined card-door and partition. No. 1,085,753; Feb. 3; Gaz. vol. 199; p. 62.
- Moore, Robert S., assignor to Gyro Motor Company, Washington, D. C. Rotary-cylinder gas-engine. No. 1,093,349; Apr. 14; Gaz. vol. 201; p. 455.
- Moore, Roswell A., assignor to Waterbury Buckle Company, Waterbury, Conn. Supporter. No. 1,120,155; Dec. 8; Gaz. vol. 209; p. 468.
- Moore, Samuel W., assignor to American Mono-Service Company, Newark, N. J. Paper vessel. No. 1,086,460; Feb. 10; Gaz. vol. 199; p. 353.
- Moore, Sherwood T., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Forming sound-record molds. No. 1,097,985; May 26; Gaz. vol. 202; p. 1093.
- Moore, Stewart H., Chicago, Ill. Hot-water-service system. No. 1,108,463; Aug. 25; Gaz. vol. 205; p. 1145.
- Moore, Thomas C., San Pedro, Cal. Skimming-propeller squeegee. No. 1,086,608; Feb. 10; Gaz. vol. 199; p. 406.
- Moore, Thomas R., Walden, N. Y. Knife-blade-swaging machine. No. 1,091,074; Mar. 24; Gaz. vol. 200; p. 946.
- Moore, Thomas S., Shoshoni, Wyo. Potato-harvester. No. 1,106,668; Aug. 11; Gaz. vol. 205; p. 423.
- Moore, Walter. (See Lunham and Moore.)
- Moore, Walter F., Fayetteville, Tenn. Ice-saw. No. 1,115,087; Oct. 27; Gaz. vol. 207; p. 1074.
- Moore, William, Kansas City, Mo. Device for handling currency or the like. No. 1,096,936; May 19; Gaz. vol. 202; p. 680.
- Moore, William E., Pittsburgh, Pa. Bridge. No. 1,096,183; May 12; Gaz. vol. 202; p. 379.
- Moore, William E., deceased, Peru, Ill.; H. L. Moore, executrix. Regenerator-furnace. No. 1,117,219; Nov. 17; Gaz. vol. 208; p. 689.
- Moore, William E., Pittsburgh, Pa., assignor to R. D. Nuttall Company, Trolley. No. 1,119,978; Dec. 8; Gaz. vol. 209; p. 406.
- Moore, William G., Cleveland, Ohio. Clothes pounder and washer. No. 1,107,824; Aug. 18; Gaz. vol. 205; p. 876.
- Moore, William H. S., West Chicago, Ill. Magazine-handle. No. 1,105,818; Aug. 4; Gaz. vol. 205; p. 81.
- Moore, William J. (See Kline, William, assignor.)
- Moore, William P. (See Gee, Albert, assignor.)
- Moore, William W., assignor of one-half to B. R. Brown, Campbell, Tex. Engine. No. 1,121,114; Dec. 15; Gaz. vol. 209; p. 857.
- Moorhouse, Albert H., Staleybridge, England. Noise-making apparatus. No. 1,103,217; July 14; Gaz. vol. 204; p. 395.
- Moorhouse, Henry J., Superior, Wis. Illusory theatrical device for vaudeville acts. No. 1,090,741; Mar. 17; Gaz. vol. 200; p. 798.
- Moors, George F., Owensboro, Ky. Rotary engine. No. 1,121,653; Dec. 22; Gaz. vol. 209; p. 1078.
- Moose, Edgar T., Fellows, Cal. Wrench. No. 1,089,249; Mar. 3; Gaz. vol. 200; p. 197.
- Moose Mountain Limited. (See Jordan, Fred A., assignor.)
- Morain, George L., *et al.* (See Caughlan, Walter M., assignor.)
- Moran, Cornelius P., Tunnelhill, Pa. Mine-ambulance. No. 1,115,560; Nov. 3; Gaz. vol. 208; p. 32.
- Moran, John M., Miami, Fla. Salt-shaker. No. 1,110,398; Sept. 15; Gaz. vol. 206; p. 628.
- Moran, Johnie L., Corning, Cal. Storm-rubber. No. 1,116,462; Nov. 10; Gaz. vol. 208; p. 380.
- Moran, Joseph F., Parkridge, N. J. Can-opening machine. No. 1,110,334; Sept. 15; Gaz. vol. 206; p. 605.
- Moran, William J., Yonkers, N. Y. Protective uniform. No. 1,090,742; Mar. 17; Gaz. vol. 200; p. 799.
- Moran, William T., Quincy, Mass. Headlight. No. 1,086,303; Feb. 3; Gaz. vol. 199; p. 252.
- Morandi, Ernest L., *et al.* (See Cronk, William H., assignor.)
- Moranz, Gustave F., assignor to Chicago Varnish Company, Chicago, Ill. Dry-kiln. No. 1,103,608; July 14; Gaz. vol. 204; p. 529.
- Moraski, Ambrose, St. Louis, Mo. Rotary internal-combustion engine. No. 1,119,189; Dec. 1; Gaz. vol. 209; p. 101.
- Morat, Jacques, Yonkers, N. Y. Grinding machinery. No. 1,110,222; Sept. 8; Gaz. vol. 206; p. 525.
- Morat, Jacques, Yonkers, assignor to Isaac G. Johnson & Co., Spuyten Duyvil, New York, N. Y. Vehicle-wheel. No. 1,090,743; Mar. 17; Gaz. vol. 200; p. 799.
- Morawitz, Hugo. (See Mittasch and Morawitz.)
- Morden, Charles W. (See Lewthwaite and Morden.)
- Morden, Charles W., Portland, Oreg. Heating means for vertical digesters. No. 1,090,331; Mar. 17; Gaz. vol. 200; p. 658.
- Morden, Charles W., Portland, Oreg. Clutch and brake control for power-transmitting mechanism. No. 1,119,364; Dec. 1; Gaz. vol. 209; p. 160.
- Morden, Lucena M. (See Goss, George W., assignor.)
- Morden, Lucena M., Waterbury, Conn. File. No. 1,090,332; Mar. 17; Gaz. vol. 200; p. 659.
- Morden, Lucena M., and J. Buchanan, Waterbury, Conn.; said Buchanan assignor to said Morden. Book-ring. No. 1,119,786; Dec. 1; Gaz. vol. 209; p. 303.
- More, Harry K., assignor of one-half to The O. P. Baur Confectionery Company, Denver, Colo. Juice-extractor. No. 1,122,296; Dec. 29; Gaz. vol. 209; p. 1341.
- Moreau, Joseph, St. Germain de Grantham, Quebec, Canada. Potato-digger. No. 1,106,669; Aug. 11; Gaz. vol. 205; p. 423.
- Morelli, Samuel, Leetonia, Ohio. Pipe-cutting tool. No. 1,100,760; June 23; Gaz. vol. 203; p. 953.
- Moret y Gonzales, Joaquin, Firmeza, Cuba. Injector. No. 1,122,148; Dec. 22; Gaz. vol. 209; p. 1250.
- Moreton, Alfred G., Erie, Pa., assignor to General Electric Company. Internal-combustion engine. No. 1,093,944; Apr. 21; Gaz. vol. 201; p. 694.
- Moreton, Everett D., Erie, Pa. Protractor. No. 1,107,983; Aug. 18; Gaz. vol. 205; p. 930.
- Morewood, Thomas M., Elizabeth, N. J. Nut-lock. No. 1,110,335; Sept. 15; Gaz. vol. 206; p. 605.
- Morey, Fred W., East Taunton, Mass. Locking attachment for boxes. No. 1,108,464; Aug. 25; Gaz. vol. 205; p. 1146.
- Morey, William A., Longbeach, Cal. Amusement device. No. 1,089,004; Mar. 3; Gaz. vol. 200; p. 113.
- Morey, William E., Chicago, Ill., assignor to National Dump Car Company. Card-door-operating mechanism. No. 1,117,220; Nov. 17; Gaz. vol. 208; p. 690.
- Morey, William E., assignor to National Dump Car Company, Chicago, Ill. Door-actuating mechanism for general-service cars. No. 1,122,978; Dec. 29; Gaz. vol. 209; p. 1578.
- Morf, Erika, Zurich, Switzerland. Apparatus for melting and projecting fusible substances. No. 1,100,602; June 16; Gaz. vol. 203; p. 845.
- Morgal, John F. (See Brannock and Morgal.)

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- Morgal, John F., assignor to The C. W. Raymond Company, Dayton, Ohio. Brick-machine. No. 1,117,078; Nov. 10; Gaz. vol. 208; p. 600.
- Morgal, John F., assignor of one-half to R. D. Funkhauser, Dayton, Ohio. Holder for brooms and the like. No. 1,117,690; Nov. 17; Gaz. vol. 208; p. 856.
- Morgan, Arthur C., Terre Haute, Ind. Striking-machine. No. 1,120,518; Dec. 8; Gaz. vol. 209; p. 597.
- Morgan, Bernard, Newport, R. I. Test or priming cock. No. 1,085,990; Feb. 3; Gaz. vol. 199; p. 147.
- Morgan, Charles W., Milwaukee, assignor to Gasoline Turbine Motor Company, Racine, Wis. Rotary gas-engine. No. 1,113,234; Oct. 13; Gaz. vol. 207; p. 329.
- Morgan Construction Company. (See Carroll, Elbert H., assignor.)
- Morgan Construction Company. (See Edwards, Victor E., assignor.)
- Morgan Construction Company. (See George, Jerome R., assignor.)
- Morgan Construction Company. (See Jefferies, Ebenezer A. W., assignor.)
- Morgan Construction Company. (See Jefferies and George, assignors.)
- Morgan Construction Company. (See Jefferies and Isley, assignors.)
- Morgan Construction Company. (See Morse, William H., assignor.)
- Morgan Construction Company. (See Quinn and Malley, assignors.)
- Morgan Crucible Company, The. (See Davison and Harvey, assignors.)
- Morgan, David, Ashland, Wis. Pencil-box. No. 1,109,590; Sept. 1; Gaz. vol. 206; p. 256.
- Morgan, Edmund C., Chicago, Ill. Mining-machine. No. 1,116,354; Nov. 3; Gaz. vol. 208; p. 302.
- Morgan, Edmund C., Columbus, Ohio. Mining coal. No. 1,116,355; Nov. 3; Gaz. vol. 208; p. 303.
- Morgan, Edmund C., Columbus, Ohio. System of mining coal. No. 1,116,357; Nov. 3; Gaz. vol. 208; p. 303.
- Morgan, Edmund C., assignor to American Morgan Company, Chicago, Ill. Coal-mining apparatus. No. 1,116,356; Nov. 3; Gaz. vol. 208; p. 303.
- Morgan, Edmund C., assignor to American Morgan Company, Chicago, Ill. Mining and loading apparatus. No. 1,116,358; Nov. 3; Gaz. vol. 208; p. 303.
- Morgan, Edmund C., assignor to American Morgan Company, Chicago, Ill. Mining and loading machine. No. 1,116,359; Nov. 3; Gaz. vol. 208; p. 304.
- Morgan, Francis L., and L. Funk, Wayland, Iowa. Wagon end-gate. No. 1,119,444; Dec. 1; Gaz. vol. 209; p. 187.
- Morgan, Frank, Melrose, Mass. Starting device for internal-combustion engines. No. 1,093,065; Apr. 14; Gaz. vol. 201; p. 357.
- Morgan, Frederick C. (See Shoenberg, Milton H., assignor.)
- Morgan-Gardner Electric Company. (See Noble, Ralph E., assignor.)
- Morgan-Gardner Electric Company. (See Noble and Mitchell, assignors.)
- Morgan, Garrett A., Cleveland, assignor to The National Safety Device Company, Oberlin, Ohio. Breathing device. No. 1,090,936; Mar. 24; Gaz. vol. 200; p. 898.
- Morgan, Garrett A., Cleveland, assignor to The National Safety Device Company, Oberlin, Ohio. Breathing device. No. 1,113,675; Oct. 13; Gaz. vol. 207; p. 483.
- Morgan, George, Binghamton, N. Y. Collapsible shipping-crate. No. 1,115,233; Oct. 27; Gaz. vol. 207; p. 1127.
- Morgan, George W. (See De Lukacsevs, Charles, assignor.)
- Morgan, Harry T., Philadelphia, Pa. Governor stop control and belt tightener. No. 1,095,513; May 5; Gaz. vol. 202; p. 117.
- Morgan, Henry W., Rochester, N. Y. Nailing-machine. No. 1,091,691; Mar. 31; Gaz. vol. 200; p. 1197.
- Morgan, Henry W., Rochester, N. Y. Sheet-feeding device. No. 1,119,857; Dec. 8; Gaz. vol. 209; p. 364.
- Morgan, Hugh D., Youngstown, Ohio. Means for attaching an artificial tooth to a bridge. No. 1,122,979; Dec. 29; Gaz. vol. 209; p. 1578.
- Morgan, Jack C., Los Angeles, assignor of one-half to R. J. Conway, Oakland, Cal. Comb. No. 1,093,459; Apr. 14; Gaz. vol. 201; p. 491.
- Morgan, James J., Chicago, Ill. Manufacturing alcohol from garbage. No. 1,114,017; Oct. 20; Gaz. vol. 207; p. 641.
- Morgan, James M., Royal, Iowa. Explosive-engine. No. 1,089,779; Mar. 10; Gaz. vol. 200; p. 426.
- Morgan, James W., *et al.* (See McLellan, Samuel T., assignor.)
- Morgan, James W., *et al.* (See Straughan, John W., assignor.)
- Morgan, John H., Alameda, assignor of one-half to W. I. Finch, Berkeley, Cal. Folding egg-container. No. 1,115,449; Oct. 27; Gaz. vol. 207; p. 1198.
- Morgan, John W. (See Derflinger, Calvin O., assignor.)
- Morgan, Loren C., Coffeyville, Kans., assignor of one-half to R. N. King, Dayton, Ohio. Transmission mechanism. No. 1,102,603; July 7; Gaz. vol. 204; p. 134.
- Morgan, Matthew J., Chicago, Ill. Car-coupling uncoupling device. No. 1,111,080; Sept. 22; Gaz. vol. 206; p. 911.
- Morgan, Newton, Springfield, Mass. Guard and grinding-wheel moistener for dental handpieces. No. 1,101,947; June 30; Gaz. vol. 203; p. 1418.
- Morgan, Ocran B., Liverpool, W. Va. Quilting-frame. No. 1,107,542; Aug. 18; Gaz. vol. 205; p. 776.
- Morgan, Philip. (See Holden and Morgan.)
- Morgan, Ralph L., Worcester, Mass. Transmission-gearing. No. 1,102,427; July 7; Gaz. vol. 204; p. 73.
- Morgan, Ralph L., Worcester, Mass. Wire-drawing machine. No. 1,103,609; July 14; Gaz. vol. 204; p. 530.
- Morgan, Ralph L., Worcester, Mass. Construction for taking power from automobiles. No. 1,118,874; Nov. 24; Gaz. vol. 208; p. 1306.
- Morgan, Robert H., Pittsburgh, Pa. Vending-machine. No. 1,089,250; Mar. 3; Gaz. vol. 200; p. 198.
- Morgan, Samuel S., St. Charles, assignor to American Car and Foundry Company, St. Louis, Mo. Welding-tool. No. 1,109,591; Sept. 1; Gaz. vol. 206; p. 257.
- Morgan, Samuel S., St. Charles, assignor to American Car and Foundry Company, St. Louis, Mo. Electric welding apparatus. No. 1,109,592; Sept. 1; Gaz. vol. 206; p. 257.
- Morgan, Thomas W., assignor to W. W. Marsh, Waterloo, Iowa. Magneto-generator. No. 1,119,105; Dec. 1; Gaz. vol. 209; p. 72.
- Morgans & Wilcox Mfg. Company. (See Cochran, Robert B., assignor.)
- Morgan, William H., Alliance, Ohio. Railway-track construction. No. 1,119,626; Dec. 1; Gaz. vol. 209; p. 250.
- Morgan, William I., Seaford, N. Y. Separator. No. 1,091,947; Mar. 31; Gaz. vol. 200; p. 1287.
- Morgan, William J., St. Louis, Mo., assignor, by mesne assignments, to C. B. Merrell, Chicago, Ill. Inclosed fuse. No. 1,117,590; Nov. 17; Gaz. vol. 208; p. 319.
- Morgeneier, Robert. (See Clise and Morgeneier.)
- Morgenstern & Brill. (See Oswald, Karl, assignor.)
- Morgenstern, Irvin, Cincinnati, Ohio. Garter-container. No. 1,112,642; Oct. 6; Gaz. vol. 207; p. 83.
- Morgenstern, Nathan. (See Ambash and Morgenstern.)
- Moriarty, Daniel, New Orleans, La. Vehicle-wheel. No. 1,114,506; Oct. 20; Gaz. vol. 207; p. 818.
- Moriggl, Carl, assignor to Firm of A. Saurer, Arbon, Switzerland. Warp-tension-regulating mechanism. No. 1,104,377; July 21; Gaz. vol. 204; p. 835.
- Moriggl, Carl, assignor to Firm of A. Saurer, Arbon, Switzerland. Machine for punching jacquard-cards for embroidery-machines and the like. No. 1,104,536; July 21; Gaz. vol. 204; p. 892.
- Morin, Adolphe, L. Hamon, and E. Hess, Montreal, Quebec, Canada. Composition of matter to be used as an oxygenizer in connection with combustibles. No. 1,112,547; Oct. 6; Gaz. vol. 207; p. 48.
- Morin, John M., Ben Lomond, Cal. Combined comb and cleaner. No. 1,100,025; June 16; Gaz. vol. 203; p. 648.
- Morin, Joseph H., Nashua, N. H. Store-pedestal. No. 1,100,321; June 16; Gaz. vol. 203; p. 751.
- Morina, Anthony, Newark, N. J. Illuminated clock. No. 1,090,744; Mar. 17; Gaz. vol. 200; p. 799.
- Morison, Alexander, Saginaw, Mich. Beet-harvester. No. 1,090,871; Mar. 24; Gaz. vol. 200; p. 875.
- Morison, Donald B., Hartlepool, England. Steam-condensing apparatus. No. 1,083,374; Jan. 6; Gaz. vol. 198; p. 38.
- Morison, Donald B., Hartlepool, England. Steam-condensing and vacuum-producing apparatus. No. 1,085,152; Jan. 27; Gaz. vol. 198; p. 727.
- Morison, Donald B., Hartlepool, England. Apparatus for condensing steam. No. 1,089,942; Mar. 10; Gaz. vol. 200; p. 484.
- Morison, Donald B., Hartlepool, England. Steam-condensing plant working under vacuum. No. 1,091,376; Mar. 24; Gaz. vol. 200; p. 1045.
- Morison, Donald B., Hartlepool, England. Steam regenerative accumulator. No. 1,095,913; May 5; Gaz. vol. 202; p. 251.
- Morison, Donald B., Hartlepool, England. Apparatus for heating boiler feed-water. No. 1,108,210; Aug. 25; Gaz. vol. 205; p. 1058.
- Morison, Henry A., Seattle, Wash. Insurance reference-sheet. No. 1,090,789; Mar. 17; Gaz. vol. 200; p. 814.
- Morison, William J. (See Clarkson and Morison.)
- Moritz, Eugene, assignor of one-fourth to P. Vondrann, New York, N. Y. Flooring composition. No. 1,097,986; May 26; Gaz. vol. 202; p. 1094.
- Moritz, Friedrich, Dortmund, Germany. Pneumatically-operated musical instrument. No. 1,108,385; Aug. 25; Gaz. vol. 205; p. 1120.
- Mork, Harry S. (See Gallagher and Mork.)
- Mork, Harry S., assignor to Chemical Products Company, Boston, Mass. Preparing filaments, films, and masses from cellulose acetate. No. 1,107,222; Aug. 11; Gaz. vol. 205; p. 615.
- Mork, Meiner C., Hector, Minn. Connecting guide rein or strap. No. 1,094,462; Apr. 28; Gaz. vol. 201; p. 929.
- Morlae, Edward, San Gabriel, Cal. Lining shafts with concrete. No. 1,089,573; Mar. 10; Gaz. vol. 200; p. 356.
- Morlan, Ernest E., Columbia, Mo. Stovepipe-thimble. No. 1,097,557; May 19; Gaz. vol. 202; p. 895.

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- Morley, Albert, assignor to The Warren Featherbone Company, Three Oaks, Mich. Garment-weight. No. 1,098,678; June 2; Gaz. vol. 203; p. 110.
- Morley, Albert, assignor to The Warren Featherbone Company, Three Oaks, Mich. Garment-weight. No. 1,110,075; Sept. 8; Gaz. vol. 206; p. 472.
- Morley, Ralph. (See Rohmer, Booraem, and Morley.)
- Morley, Ralph C. (See Wales, Nathaniel B., assignor.)
- Morley, William N., Toronto, Ontario, Canada, assignor of one-half to J. Credo, New York, N. Y. Treating garbage or other vegetable or animal matter. No. 1,096,854; May 19; Gaz. vol. 202; p. 651.
- Morling, John A., Cameron, Ill. Combined end-gate and shoveling-board. No. 1,120,734; Dec. 15; Gaz. vol. 209; p. 721.
- Morlock, Albert J., Brooklyn, N. Y., assignor to United Press and Manufacturing Company. Percolator. No. 1,092,121; Mar. 31; Gaz. vol. 200; p. 1345.
- Morningstar, Glenn E. and J. G., Greenville, Ohio. Artificial teeth. No. 1,095,018; Apr. 28; Gaz. vol. 201; p. 1124.
- Morningstar, James G. (See Morningstar, Glenn E. and J. G.)
- Morningstar, Leslie E. (See Bullard, Edgar R., assignor.)
- Morningstar, Rufus J., Philadelphia, Pa. Knitted tubular pocket for hosiery. No. 1,117,591; Nov. 17; Gaz. vol. 208; p. 819.
- Morral, Samuel E. (See Morral, William W., assignor.)
- Morral, Samuel E. and W. W., Morral, Ohio. Butt-cutter mechanism for corn-husking machines. No. 1,121,936; Dec. 22; Gaz. vol. 209; p. 1178.
- Morral, William W. (See Morral, Samuel E. and W. W.)
- Morral, William W., assignor of one-half to S. E. Morral, Morral, Ohio. Corn-butting machine. No. 1,083,693; Jan. 6; Gaz. vol. 198; p. 144.
- Morral, William W., assignor of one-half to S. E. Morral, Morral, Ohio. Corn-husking machine. No. 1,121,938; Dec. 22; Gaz. vol. 209; p. 1179.
- Morral, William W. and S. E., Morral, Ohio. Corn-husking machine. No. 1,121,937; Dec. 22; Gaz. vol. 209; p. 1179.
- Morrarty, Andrew J., assignor to Martin-Copeland Company, Providence, R. I. Eyeglass-mounting. No. 1,121,115; Dec. 15; Gaz. vol. 209; p. 857.
- Morrell, John A., Pickens, S. C. Cotton-lap-roll truck. No. 1,104,697; July 21; Gaz. vol. 204; p. 946.
- Morrell, William S. (See Larsen and Morrell.)
- Morrell, William W., et al. (See Rees, John H., assignor.)
- Morrill, Charles A., Portsmouth, N. H. Life-boat-launching apparatus. No. 1,121,116; Dec. 15; Gaz. vol. 209; p. 857.
- Morrill, William C., New York, N. Y. Saw-set. No. 1,106,829; Aug. 11; Gaz. vol. 205; p. 479.
- Morris, Adis, Indianola, Iowa. Mowing-machine. No. 1,111,081; Sept. 22; Gaz. vol. 206; p. 911.
- Morris, Beverly Y., deceased, Corte Madera, Cal.; F. C. Morris, administratrix. Print-drier. No. 1,106,670; Aug. 11; Gaz. vol. 205; p. 424.
- Morris, Charles E., Lane, Kans. Throttle-lever-operated controller and accelerator. No. 1,103,151; July 14; Gaz. vol. 204; p. 371.
- Morris, Charles E., Lane, Kans. Propelling mechanism for tractors. No. 1,107,825; Aug. 18; Gaz. vol. 205; p. 877.
- Morris, Daniel M. (See Levasseur and Morris.)
- Morris, David E., Gulfport, Miss. Power-transmitting mechanism. No. 1,092,076; Mar. 31; Gaz. vol. 200; p. 1328.
- Morris, David J., assignor of one-half to J. E. Carroll, Seattle, Wash. Cementitious compound. No. 1,096,384; May 12; Gaz. vol. 202; p. 449.
- Morris, De Witt C., assignor to F. Keil & Son, New York, N. Y. Show-case corner. No. 1,107,694; Aug. 18; Gaz. vol. 205; p. 832.
- Morris, Edmund, Grand Rapids, Mich. Lumber-guide. No. 1,104,735; July 21; Gaz. vol. 204; p. 960.
- Morris, Edmund, assignor to Wilmarth Show Case Company, Grand Rapids, Mich. Glass-locking device for show-cases. No. 1,086,392; Feb. 10; Gaz. vol. 199; p. 328.
- Morris, Edward, Jr., Baltimore, Md. Union suit. No. 1,096,050; May 12; Gaz. vol. 202; p. 335.
- Morris, Edwin S. (See Mulconroy and Morris.)
- Morris, Freda C., administratrix. (See Morris, Beverly Y.)
- Morris, Frederick W., Brooklyn, assignor to T. E. Murray, New York, N. Y. Electrical measuring instrument. No. 1,120,217; Dec. 8; Gaz. vol. 209; p. 492.
- Morris, G. L., et al. (See Sexton, James P., assignor.)
- Morris, George. (See Stout, Charles N., assignor.)
- Morris, George E., and O. F. Oliver, Jersey City, N. J. Pneumatic portable reciprocating sawing-machine. No. 1,119,524; Dec. 1; Gaz. vol. 209; p. 216.
- Morris, George W., et al. (See Markham, Andrew J., assignor.)
- Morris, Harold W., Boston, Mass. Machine for sewing on buttons. No. 1,087,601; Feb. 17; Gaz. vol. 199; p. 800.
- Morris, Harrison R., Mapleton, Kans. Egg-handler. No. 1,086,202; Feb. 3; Gaz. vol. 199; p. 220.
- Morris, Hilary J., New Britain, Conn. Beer-cock. No. 1,099,713; June 9; Gaz. vol. 203; p. 505.
- Morris, James A., Thomas, Okla. Knife for heading Kafir corn. No. 1,084,949; Jan. 20; Gaz. vol. 198; p. 622.
- Morris, John O., Washington, D. C., assignor, by mesne assignments, to The Tobacco Stemming Machine Company, Baltimore, Md. Tobacco-stemming machine. No. 1,087,039; Feb. 10; Gaz. vol. 199; p. 551.
- Morris, John V. (See Oliver, Henry E., assignor.)
- Morris, John W. T., assignor of one-half to G. A. Wettlin and L. J. Hamer, Los Angeles, Cal. Sash-balance. No. 1,119,365; Dec. 1; Gaz. vol. 209; p. 160.
- Morris, Joshua L., Council Bluffs, Iowa. Cash-register. No. 1,101,317; June 23; Gaz. vol. 203; p. 1147.
- Morris, Leroy R., Longbeach, Cal. Bee-smoker. No. 1,101,466; June 23; Gaz. vol. 203; p. 1198.
- Morris, Millard, assignor of one-half to C. E. Snider, Denver, Colo. Flying-machine. No. 1,115,959; Nov. 3; Gaz. vol. 208; p. 168.
- Morris, Moses, Baltimore, Md. Union suit. No. 1,098,960; June 2; Gaz. vol. 203; p. 205.
- Morris, Otto M. (See Blain and Morris.)
- Morris, Rufus E., assignor of one-half to U. G. Enyart, Runnells, Iowa. Water-trough. No. 1,084,452; Jan. 13; Gaz. vol. 198; p. 424.
- Morris S. Wright Company. (See Wright, Morris S., assignor.)
- Morris, Stephen. (See Merritt, Black, and Morris.)
- Morris, Stephen, Newcomer, Pa. Incline safety-catch. No. 1,109,693; Sept. 8; Gaz. vol. 206; p. 337.
- Morris Walsh Sons. (See Weet, Leander C., assignor.)
- Morris, William, Janesville, Wis. Carriage-iron. No. 1,099,883; June 9; Gaz. vol. 203; p. 562.
- Morris, William H., assignor, by mesne assignments, of one-third to W. H. Coffey and one-third to E. S. Harston, Brownsville, Tenn. Shovel-plow. No. 1,084,655; Jan. 20; Gaz. vol. 198; p. 520.
- Morris, William L., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Automatic valve. No. 1,114,019; Oct. 20; Gaz. vol. 207; p. 642.
- Morris, Winfield S., New York, N. Y. Sofa and chair bed. No. 1,095,465; May 5; Gaz. vol. 202; p. 100.
- Morris, Winfield S., New York, N. Y. Couch bed. No. 1,095,466; May 5; Gaz. vol. 202; p. 101.
- Morrisey, Thomas J., Jr., Belleville, Ill. Mail-catcher. No. 1,113,466; Oct. 13; Gaz. vol. 207; p. 412.
- Morrison Box Company, The. (See Morrison, George L., assignor.)
- Morrison, Eben H., assignor of one-half to W. H. Wilson, Corunna, Mich. Combined ladder and scaffold-support. No. 1,116,098; Nov. 3; Gaz. vol. 208; p. 217.
- Morrison, Elijah B., Haverhill, Mass. Mechanical toy. No. 1,085,930; Feb. 3; Gaz. vol. 199; p. 125.
- Morrison, George F., Newark, N. J., assignor to General Electric Company. Welding lamp-filaments. No. 1,093,197; Apr. 14; Gaz. vol. 201; p. 404.
- Morrison, George L., Hudson, Mich. Paper box. No. 1,104,820; July 28; Gaz. vol. 204; p. 1038.
- Morrison, George L., Hudson, Mich. Knockdown box. No. 1,104,821; July 28; Gaz. vol. 204; p. 1038.
- Morrison, George L., Hudson, Mich., assignor to The Morrison Box Company, Toledo, Ohio. Paper-board box. No. 1,090,559; Mar. 17; Gaz. vol. 200; p. 740.
- Morrison, George L., Hudson, and A. A. Fordon, Detroit, Mich. Collapsible box. No. 1,090,558; Mar. 17; Gaz. vol. 200; p. 739.
- Morrison, George W. (See Pearson, George F., assignor.)
- Morrison, George W., Lowell, Mass. Safety-foot for ladders. No. 1,109,452; Sept. 1; Gaz. vol. 206; p. 210.
- Morrison, Gilbert, Jr., Elberton, Ga. Stoking mechanism. No. 1,115,004; Oct. 27; Gaz. vol. 207; p. 1045.
- Morrison, James, Medicine Hat, Alberta, Canada. Tongue-support. No. 1,091,377; Mar. 24; Gaz. vol. 200; p. 1046.
- Morrison, James W., Buffalo, N. Y. Corn-sheller. No. 1,096,554; May 12; Gaz. vol. 202; p. 506.
- Morrison, James W., assignor of one-half to R. Duckett, Staleybridge, England. Yarn-winding machine. No. 1,117,222; Nov. 17; Gaz. vol. 208; p. 690.
- Morrison, John, Jr., Glens Falls, N. Y. Brush. No. 1,108,079; Aug. 18; Gaz. vol. 205; p. 964.
- Morrison, John A., and J. H. Levin, Minneapolis, Minn.; said Morrison assignor to said Levin. Device for removing obstructions from plumbing-passageways. No. 1,093,066; Apr. 14; Gaz. vol. 201; p. 357.
- Morrison, John E., Arma, Kans. Power-hammer. No. 1,104,269; July 21; Gaz. vol. 204; p. 797.
- Morrison, John R. (See Newberry, Spencer B., assignor.)
- Morrison, John T., Minneapolis, Minn. Valve mechanism. No. 1,099,389; June 9; Gaz. vol. 203; p. 394.
- Morrison, Lewis E., assignor to himself and M. Plum, Newark, N. J. Tripping mechanism in printing-machines. No. 1,098,914; June 2; Gaz. vol. 203; p. 190.
- Morrison, Lewis E., assignor to himself and M. Plum, Newark, N. J. Envelop-manipulating mechanism. No. 1,106,470; Aug. 11; Gaz. vol. 205; p. 352.
- Morrison, Lewis E., assignor to himself and M. Plum, Newark, N. J. Sheet-feeding device. No. 1,108,211; Aug. 25; Gaz. vol. 205; p. 1059.
- Morrison, Lewis E., assignor to himself and M. Plum, Newark, N. J. Sheet-registering mechanism. No. 1,111,968; Sept. 29; Gaz. vol. 206; p. 1253.

Alphabetical list of patentees—Continued.

- Morrison, Lewis E., assignor to himself and M. Plum, Newark, N. J. Tripping mechanism for platen-presses. No. 1,113,676; Oct. 13; Gaz. vol. 207; p. 483.
- Morrison, Lewis E., assignor to himself and M. Plum, Newark, N. J. Envelop-printing machine. No. 1,116,463; Nov. 10; Gaz. vol. 208; p. 380.
- Morrison, Lewis E., assignor to himself and M. Plum, Newark, N. J. Sheet-separating mechanism. No. 1,117,592; Nov. 17; Gaz. vol. 208; p. 820.
- Morrison, Lewis E., Newark, and S. H. Plum, 2d, Madison, assignors to themselves, and M. Plum, Newark, N. J. Mechanism for separating envelopes. No. 1,101,467; June 23; Gaz. vol. 203; p. 1198.
- Morrison, Luther E., New York, N. Y., assignor to Mergenthaler Linotype Company. Type or matrix. No. 1,088,439; Feb. 24; Gaz. vol. 199; p. 1135.
- Morrison, Luther E., New York, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,088,440; Feb. 24; Gaz. vol. 199; p. 1135.
- Morrison, Margaret E., Bartley, Nebr. Waist-measuring device. No. 1,101,140; June 23; Gaz. vol. 203; p. 1087.
- Morrison, Nathan H., Meredith, N. H. System and apparatus for electrically selecting and controlling a number of elements from a distant point. No. 1,086,072; Feb. 3; Gaz. vol. 199; p. 177.
- Morrison, Oscar P., Maud, Tex. Rail-tie plate. No. 1,099,929; June 16; Gaz. vol. 203; p. 615.
- Morrison, Porter, Athens, Tex. Cotton-gin. No. 1,114,627; Oct. 20; Gaz. vol. 207; p. 857.
- Morrison, Putnam, Chattanooga, Tenn. Knockdown article of furniture. No. 1,083,850; Jan. 6; Gaz. vol. 198; p. 193.
- Morrison, W. A., Hagerman, Tex. Screen-door brace. No. 1,090,405; Mar. 17; Gaz. vol. 200; p. 685.
- Morrison, William, Philadelphia, Pa. Sewing-machine attachment. No. 1,095,659; May 5; Gaz. vol. 202; p. 166.
- Morrison, William J., Sioux City, Iowa. Pressure-relief valve for pneumatic tires. No. 1,086,550; Feb. 10; Gaz. vol. 199; p. 384.
- Morrissey, Patrick, Easthampton, assignor to T. A. Cotter, Willimantic, Conn. Spare-tire holder. No. 1,085,873; Feb. 3; Gaz. vol. 199; p. 104.
- Morrissey, Thomas F., West Orange, N. J., assignor to United Button Company. Drilling and niching machine. No. 1,089,856; Mar. 10; Gaz. vol. 200; p. 452.
- Morrow, Alexander H., Pittsburgh, Pa. Boiler or heater. No. 1,085,754; Feb. 3; Gaz. vol. 199; p. 63.
- Morrow, Frank C., Wellston, Ohio. Feed-regulator. No. 1,088,441; Feb. 24; Gaz. vol. 199; p. 1135.
- Morrow, Herbert W., Lysville, Pa. Ice-cutting machine. No. 1,100,687; June 16; Gaz. vol. 203; p. 872.
- Morrow, James. (See Morrow, Richard H. and J.)
- Morrow, Jeremiah, Wellston, Ohio. Rock-drill. No. 1,113,467; Oct. 13; Gaz. vol. 207; p. 412.
- Morrow, John, Denver, Colo. Lubricator. No. 1,110,706; Sept. 15; Gaz. vol. 206; p. 737.
- Morrow, John H., Chicago, Ill. Furnace. No. 1,118,143; Nov. 24; Gaz. vol. 208; p. 1052.
- Morrow, Richard E., Broken Arrow, Okla. Fender. No. 1,084,026; Jan. 13; Gaz. vol. 198; p. 284.
- Morrow, Richard H. and J., Waukegan, Ill. Internal-combustion motor. No. 1,084,749; Jan. 20; Gaz. vol. 198; p. 555.
- Morrow, Robert A. (See Staaf, Werner I., assignor.)
- Morrow, Robert C., Thetford Mines, Quebec, Canada. Rail-chair. No. 1,107,984; Aug. 18; Gaz. vol. 205; p. 931.
- Morscher, Lawrence N., Lawrence, Kans., assignor to himself and I. Hill. Horse-power indicator and recorder. No. 1,107,234; Aug. 11; Gaz. vol. 205; p. 619.
- Morscher, Lawrence N., Lawrence, Kans., assignor to himself and I. Hill. Determining power transmission. No. 1,123,135; Dec. 29; Gaz. vol. 209; p. 1633.
- Morse Adding Machine Company, The. (See Morse, Charles R., assignor.)
- Morse, Albert W., assignor to Nathan Manufacturing Company, New York, N. Y. Valve. No. 1,111,399; Sept. 22; Gaz. vol. 206; p. 1019.
- Morse, Alfred B., South Easton, Mass. System of preparing filled bobbins. No. 1,094,343; Apr. 21; Gaz. vol. 201; p. 824.
- Morse, Alfred B., South Easton, Mass. Hydraulic press for bobbins. No. 1,098,519; June 2; Gaz. vol. 203; p. 57.
- Morse, Alva F., Humboldt, Iowa. Sanitary toilet-bowl. No. 1,091,154; Mar. 24; Gaz. vol. 200; p. 974.
- Morse Chain Company. (See Morse, Frank L., assignor.)
- Morse, Charles R., Chicago, Ill., assignor, by mesne assignments, to The Morse Adding Machine Company. Computing-machine. No. 1,098,353; May 26; Gaz. vol. 202; p. 1219.
- Morse Code Signal Company. (See Burnett, William S., assignor.)
- Morse Code Signal Company. (See Lademan, Otto T., assignor.)
- Morse, Everett F., deceased, Ithaca, N. Y.; L. Morse, executrix. Eliminating initial stretch of drive-chains. No. 1,086,838; Feb. 10; Gaz. vol. 199; p. 485.
- Morse, Everett F., deceased, Ithaca, N. Y.; L. Morse, executrix. Apparatus for eliminating initial stretch of drive-chains. No. 1,086,839; Feb. 10; Gaz. vol. 199; p. 486.
- Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Drive-chain. No. 1,105,288; July 28; Gaz. vol. 204; p. 1199.
- Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Drive-chain. No. 1,115,960; Nov. 3; Gaz. vol. 208; p. 169.
- Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Drive-chain. No. 1,120,961; Dec. 15; Gaz. vol. 209; p. 801.
- Morse, Henry, New York, N. Y. Aeroplane pendulum-balance. No. 1,099,508; June 9; Gaz. vol. 203; p. 433.
- Morse, James C. (See Seeman and Morse.)
- Morse, John J., St. Louis, Mo. Reinforced brake-shoe. No. 1,095,019; Apr. 28; Gaz. vol. 201; p. 1124.
- Morse, John J., St. Louis, Mo. Reinforced brake-shoe. No. 1,112,376; Sept. 29; Gaz. vol. 206; p. 1395.
- Morse, John J., St. Louis, Mo. Reinforced brake-shoe. No. 1,112,377; Sept. 29; Gaz. vol. 206; p. 1395.
- Morse, John J., and W. S. Gemmer, assignors to General Appliance Company, St. Louis, Mo. Brake-shoe. No. 1,087,676; Feb. 17; Gaz. vol. 199; p. 828.
- Morse, Louise, executrix. (See Morse, Everett F.)
- Morse, Mark S., Oakland, Cal. Relay. No. 1,092,283; Apr. 7; Gaz. vol. 201; p. 56.
- Morse, Mark S., Oakland, assignor of two-fifths to J. R. Watson, Jr., Alameda, Cal. Signaling device. No. 1,094,584; Apr. 28; Gaz. vol. 201; p. 969.
- Morse, Nathan C., Eldora, Iowa. Surgical instrument. No. 1,116,099; Nov. 3; Gaz. vol. 208; p. 217.
- Morse, O. B. (See Drawbaugh, Harman K., assignor.)
- Morse, Raymond P., et al. (See Graham, Robert S., assignor.)
- Morse, Samuel T., and W. D. P. Warren, Carlinville, Ill. Expansion-joint. No. 1,089,943; Mar. 10; Gaz. vol. 200; p. 484.
- Morse, Theodore F., Silver Creek, N. Y. Conveyer for corn-husking machines. No. 1,112,926; Oct. 6; Gaz. vol. 207; p. 179.
- Morse, Theodore F., assignor to Huntley Manufacturing Company, Silver Creek, N. Y. Grain-heater. No. 1,088,357; Feb. 24; Gaz. vol. 199; p. 1107.
- Morse, Theodore F., assignor to Huntley Manufacturing Company, Silver Creek, N. Y. Grain-separator. No. 1,109,299; Sept. 1; Gaz. vol. 206; p. 156.
- Morse, Thomas W., Paterson, assignor, by mesne assignments, to The Heath Method Company, Newark, N. J. Mixing device for fluids. No. 1,110,223; Sept. 8; Gaz. vol. 206; p. 526.
- Morse Twist Drill & Machine Company. (See Davenport, William S., assignor.)
- Morse, Whiting B., Rochester, N. Y. Trailer. No. 1,119,106; Dec. 1; Gaz. vol. 209; p. 73.
- Morse, William H., assignor to Morgan Construction Company, Worcester, Mass. Wire-drawing machine. No. 1,103,811; July 14; Gaz. vol. 204; p. 600.
- Morse, Willis S. (See Hunting, Irving A., assignor.)
- Morse, Willis S., Philadelphia, Pa. Tension-regulator for printing-presses. No. 1,103,152; July 14; Gaz. vol. 204; p. 372.
- Morse, Willis S., Philadelphia, Pa. Tension-regulating means for printing-presses. No. 1,103,153; July 14; Gaz. vol. 204; p. 372.
- Morse, Willis S., Philadelphia, Pa. Reversing-switch. No. 1,103,154; July 14; Gaz. vol. 204; p. 373.
- Morse, Willis S., Philadelphia, Pa. Current-controlling apparatus. No. 1,103,528; July 14; Gaz. vol. 204; p. 499.
- Mortensen, Martin. (See Ohlsen, Ulrich, assignor.)
- Mortensen, Sören H., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Dynamo-electric machine. No. 1,122,980; Dec. 29; Gaz. vol. 209; p. 1578.
- Mortensen, William, Montreal, Quebec, Canada. Building construction. No. 1,115,088; Oct. 27; Gaz. vol. 207; p. 1075.
- Mortenson, Carl S., Moline, Ill. Saw-clamp. No. 1,089,429; Mar. 10; Gaz. vol. 200; p. 304.
- Mortenson, James T., assignor to P. B. Nelson, Kenosha, Wis. Door-latch. No. 1,115,005; Oct. 27; Gaz. vol. 207; p. 1045.
- Mortimer, Joseph. (See Bailey and Mortimer.)
- Morton, Albert H., Lowell, Mass. Driving mechanism for carding-engines. No. 1,088,087; Feb. 24; Gaz. vol. 199; p. 1016.
- Morton, Albert H., Lowell, Mass. Thread-board for spinning, twisting, and like machines. No. 1,093,715; Apr. 21; Gaz. vol. 201; p. 620.
- Morton, Albert H., Lowell, Mass. Spindle-driving mechanism. No. 1,101,874; June 30; Gaz. vol. 203; p. 1391.
- Morton, Albert H., Lowell, Mass. Skewer-step for creels. No. 1,101,875; June 30; Gaz. vol. 203; p. 1391.
- Morton, Albert H., Lowell, Mass. Thread-board for spinning, twisting, and like machines. No. 1,101,876; June 30; Gaz. vol. 203; p. 1391.
- Morton, Albert H., Lowell, Mass. Spindle for spinning, twisting, and like machines. No. 1,101,877; June 30; Gaz. vol. 203; p. 1391.
- Morton, Albert H., Lowell, Mass. Support and guide for fancy-rolls. No. 1,118,214; Nov. 24; Gaz. vol. 208; p. 1078.

Alphabetical list of patentees—Continued.

- Morton, Alexander, and M. A. Braae, Labonte, Wyo. Wheeled grader. No. 1,108,925; Sept. 1; Gaz. vol. 206; p. 23.
- Morton, David F., Boston, Mass. Apparatus for vapor-heating. No. 1,122,408; Dec. 29; Gaz. vol. 209; p. 1377.
- Morton, Frank M., Phoenix, Ala., assignor to The Columbus Truck and Supply Manufacturing Company, Columbus, Ga. Dyeing-beam. No. 1,091,157; Mar. 24; Gaz. vol. 200; p. 975.
- Morton, Frank M., Phoenix, Ala., assignor to The Columbus Truck and Supply Manufacturing Company, Columbus, Ga. Reel. No. 1,116,608; Nov. 10; Gaz. vol. 208; p. 435.
- Morton, Frank M., Phoenix, Ala., assignor of one-third to W. H. Dismuke and one-third to H. L. Woodruff, Columbus, Ga. Beam dyeing-machine. No. 1,107,095; Aug. 11; Gaz. vol. 205; p. 568.
- Morton, Harold S., Minneapolis, Minn. Automobile brake actuating mechanism. No. 1,104,066; July 21; Gaz. vol. 204; p. 729.
- Morton, James B., Morehead City, N. C. Trousers. No. 1,086,685; Feb. 10; Gaz. vol. 199; p. 431.
- Morton, Robert E. L., Dinuba, Cal. Convertible seat for automobiles. No. 1,095,660; May 5; Gaz. vol. 202; p. 166.
- Morton, Rufus J. (See Clark and Morton.)
- Morton, Samuel S., Upper Sandusky, assignor, by mesne assignments, to The Herr Engine Company, Portsmouth, Ohio. Traction-engine. No. 1,104,537; July 21; Gaz. vol. 204; p. 893.
- Morton, William J., New York, N. Y. Railway-tie. No. 1,097,253; May 19; Gaz. vol. 202; p. 792.
- Morton, Woolridge B. (See Manly and Morton.)
- Morzycki, Witold. (See Sokolowski, Witold v., assignor.)
- Mosaner, Hermann. (See Schopf and Mosaner.)
- Mosby, Alfred D., assignor to Marsh-Capron Manufacturing Company, Chicago, Ill. Drum construction for concrete-mixing machines and the like. No. 1,096,260; May 12; Gaz. vol. 202; p. 407.
- Moscariello, Umberto. (See Ferry, Moscarriello, and Amodio.)
- Mosch, Charles, Portland, Oreg. Door. No. 1,085,931; Feb. 3; Gaz. vol. 199; p. 125.
- Moscherrosch, Harry G., Appleton, Wis. Toy elevator. No. 1,101,034; June 23; Gaz. vol. 203; p. 1051.
- Moscicki, Ignacy, Freiburg, Switzerland. Apparatus for treating gases or vapors with liquids. No. 1,097,870; May 26; Gaz. vol. 202; p. 1050.
- Moscony, Charles C. (See Conde and Moscony.)
- Moseley, Alexander W., Evanston, Ill. Traveling rule. No. 1,107,340; Aug. 18; Gaz. vol. 205; p. 705.
- Moseley, Emerson B., Alliance, assignor, by mesne assignments, to The McCaskey Register Company, Canton, Ohio. Indicator for filing appliances. No. 1,118,039; Nov. 24; Gaz. vol. 208; p. 1017.
- Moseley, Emerson B., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Account-register. No. 1,122,981; Dec. 29; Gaz. vol. 209; p. 1579.
- Moseley, Harry H., Atlantic, Mass. Automobile-starter. No. 1,092,739; Apr. 7; Gaz. vol. 201; p. 211.
- Moseley, James W., Romiley, England. Wall construction for houses and other buildings. No. 1,087,813; Feb. 17; Gaz. vol. 199; p. 874.
- Moseley, Peter B. (See Williamson, Newton H., assignor.)
- Moseley, William M., Elgin, Ill. Spring-chuck. No. 1,086,393; Feb. 10; Gaz. vol. 199; p. 328.
- Moseng, Martin, Minneapolis, Minn. Antiskidding device for automobile-wheels. No. 1,098,457; June 2; Gaz. vol. 203; p. 35.
- Moser, Andrew, Hickman, Nebr. Fire-escape. No. 1,084,162; Jan. 13; Gaz. vol. 198; p. 330.
- Moser, Andrew, Hickman, Nebr. Pump-operating mechanism. No. 1,113,235; Oct. 13; Gaz. vol. 207; p. 329.
- Moser, Fred J., assignor to Moser Manufacturing Company, Kane, Pa. Casing-head. No. 1,115,717; Nov. 3; Gaz. vol. 208; p. 86.
- Moser Manufacturing Company. (See Moser, Fred J., assignor.)
- Moser, William, Alamosa, Colo. Plate-lifter. No. 1,103,070; July 14; Gaz. vol. 204; p. 342.
- Moses, Homer P., *et al.* (See Harrington, Leslie, assignor.)
- Moses, Jacob B., Dallas, Tex. Suit-box. No. 1,091,075; Mar. 24; Gaz. vol. 200; p. 946.
- Moses, Leslie W., Baltimore, Md. Presser-foot. No. 1,105,819; Aug. 4; Gaz. vol. 205; p. 81.
- Moses Mellor & Sons, Limited. (See Mills, Joseph A., assignor.)
- Moses, Opiedie P., *et al.* (See Hunter, James W., assignor.)
- Mosessohn, David N., *et al.* (See Shapiro, Charles H., assignor.)
- Mosessohn, M., *et al.* (See Shapiro, Charles H., assignor.)
- Mosher, Charles D., New York, N. Y. Steam-separator. No. 1,100,603; June 16; Gaz. vol. 203; p. 845.
- Mosher, Joseph, Taft, Cal. Beer-cooler. No. 1,104,997; July 28; Gaz. vol. 204; p. 1098.
- Mosher, Myron A., Buffalo, N. Y. Combination-lock. No. 1,086,551; Feb. 10; Gaz. vol. 199; p. 384.
- Mosher, Nicholas I., Somerville, Mass. Drill-brace. No. 1,095,162; Apr. 28; Gaz. vol. 201; p. 1173.
- Mosher, Peter W., assignor of one-fourth to H. G. Learned, Stockton, Cal. Electric alarm and automatic brake set for railways. No. 1,119,306; Dec. 1; Gaz. vol. 209; p. 139.
- Mosher, Peter W., Stockton, Cal., assignor to The P. & M. Co., Chicago, Ill. Anticreeping device for railways. No. 1,121,752; Dec. 22; Gaz. vol. 209; p. 1112.
- Mosher, Robert M., Dillon, Mont. Platen-roller release. No. 1,104,538; July 21; Gaz. vol. 204; p. 893.
- Mosher, Sylvanus D., Storm King, N. Y. Tunnel-head. No. 1,098,961; June 2; Gaz. vol. 203; p. 205.
- Mosier, Frank C., Pittston, Pa. Transplanting-box. No. 1,115,089; Oct. 27; Gaz. vol. 207; p. 1075.
- Mosier, Joseph H., Provemont, Mich. Two-cycle engine. No. 1,109,694; Sept. 8; Gaz. vol. 206; p. 337.
- Moskowitz, Morris, New York, N. Y., assignor, by mesne assignments, to Central Trust Company of New York, trustee. Selenium-cell regulator. No. 1,107,438; Aug. 18; Gaz. vol. 205; p. 741.
- Moskowitz, Samuel, New York, N. Y. Display-box. No. 1,107,985; Aug. 18; Gaz. vol. 205; p. 931.
- Mosler, Moses, Cincinnati, and C. Bartels, Hamilton, Ohio, assignors to The Mosler Safe Company, New York, N. Y. Safe construction. No. 1,087,175; Feb. 17; Gaz. vol. 199; p. 649.
- Mosler, Moses, Cincinnati, and C. Bartels, Hamilton, Ohio, assignors to The Mosler Safe Company, New York, N. Y. Safe or vault wall construction. No. 1,109,695; Sept. 8; Gaz. vol. 206; p. 338.
- Mosler, Moses, Cincinnati, and C. Bartels, Hamilton, Ohio, assignors to The Mosler Safe Company, New York, N. Y. Safe construction. No. 1,113,236; Oct. 13; Gaz. vol. 207; p. 329.
- Mosler, Moses, Cincinnati, and C. Bartels, Hamilton, Ohio, assignors to The Mosler Safe Company, New York, N. Y. Safe construction. No. 1,117,421; Nov. 17; Gaz. vol. 208; p. 760.
- Mosler, Moses, Cincinnati, and C. Bartels, Hamilton, Ohio, assignors to The Mosler Safe Company, New York, N. Y. Fireproof safe. No. 1,118,435; Nov. 24; Gaz. vol. 208; p. 1156.
- Mosler, Moses, Cincinnati, and C. Bartels, Hamilton, Ohio, assignors to The Mosler Safe Company, New York, N. Y. Safe-door. No. 1,118,436; Nov. 24; Gaz. vol. 208; p. 1157.
- Mosler Safe Company, The. (See Bartels, Carl, assignor.)
- Mosler Safe Company. (See Mosler and Bartels, assignors.)
- Mosley, Joseph C., St. Louis, Mo. Electrically-operated lock. No. 1,114,628; Oct. 20; Gaz. vol. 207; p. 857.
- Mosley, William H., Toronto, Ontario, Canada. Dental instrument. No. 1,115,718; Nov. 3; Gaz. vol. 208; p. 86.
- Mosling, Bernhard A. (See Besserdich and Mosling.)
- Moss, Calvin F., and M. Jungling, Bogalusa, La. Internal-combustion engine. No. 1,111,605; Sept. 22; Gaz. vol. 206; p. 1091.
- Moss, Charles H., Wellington, New Zealand. Amusement-roundabout with mechanical flight and tilting attachments. No. 1,101,141; June 23; Gaz. vol. 203; p. 1087.
- Moss, Fred D., Seaside, Oreg. Gas-engine. No. 1,122,529; Dec. 29; Gaz. vol. 209; p. 1419.
- Moss, Herbert G., and W. Chappius, Maricopa, Cal. Pump. No. 1,089,720; Mar. 10; Gaz. vol. 200; p. 406.
- Moss, John H., Angola, Ind., assignor of one-half to C. S. Whitworth and one-half to C. C. Bogle, Cedar Falls, Iowa. Gate. No. 1,112,081; Sept. 29; Gaz. vol. 206; p. 1291.
- Moss, Joseph. (See Curley and Moss.)
- Moss, Louis N., New York, N. Y. Machine for measuring textile fabrics, &c. No. 1,087,677; Feb. 17; Gaz. vol. 199; p. 829.
- Moss, Louis N., New York, N. Y. Ventilating window shade and fixture. No. 1,094,917; Apr. 23; Gaz. vol. 201; p. 1087.
- Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Means for preventing surging in centrifugal compressors. No. 1,085,286; Jan. 27; Gaz. vol. 198; p. 774.
- Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 1,105,820; Aug. 4; Gaz. vol. 205; p. 82.
- Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Centrifugal air-compressor. No. 1,119,713; Dec. 1; Gaz. vol. 209; p. 279.
- Moss, William R. (See Clark, Charles E., assignor.)
- Moss, William T., San Jose, Cal. Popcorn-cake machine. No. 1,109,861; Sept. 8; Gaz. vol. 206; p. 396.
- Mossberg, Frank, Attleboro, Mass., assignor to Frank Mossberg Company, Bobbin. No. 1,105,289; July 28; Gaz. vol. 204; p. 1200.
- Mossman, William A., Princeton, Ind. Welding-torch. No. 1,118,215; Nov. 24; Gaz. vol. 208; p. 1078.
- Mosteller, Dosier H., Chicago, Ill. Squeezer. No. 1,098,288; May 26; Gaz. vol. 202; p. 1197.
- Moszczenski, John B., New York, N. Y., assignor to Tartar Chemical Company, Jersey City, N. J. Manufacture of cream of tartar. No. 1,120,839; Dec. 15; Gaz. vol. 209; p. 758.

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- Motograph Company of America. (See Bickley, Everett H., assignor.)
- Motor Equipments Limited. (See Gregory, Hugh H., assignor.)
- Motor and Gear Improvement Company. (See Fischer, Martin, assignor.)
- Motor Products Company. (See Lyon, Tracy, assignor.)
- Motorflex Equipment Company. (See Prescott, Sydney I., assignor.)
- Motsinger Device Manufacturing Company. (See Motsinger, Homer N., assignor.)
- Motsinger, Homer N., assignor to Motsinger Device Manufacturing Company, La Fayette, Ind. Coupling for carbureters. No. 1,113,570; Oct. 13; Gaz. vol. 207; p. 448.
- Mott, Augustus P. (See Drabold and Mott.)
- Mott, Carl W. (See Johnston and Mott.)
- Mott, Elliot B. (See France, Robert N., assignor.)
- Mott-Le-Gaige Animated Advertising Corporation. (See Austin, Sydney B., assignor.)
- Mott-Le-Gaige Animated Advertising Corporation. (See Tilley and Austin, assignors.)
- Mott, Theodore, assignor to B. F. Greenwood, Houston, Tex. Paint. No. 1,089,662; Mar. 10; Gaz. vol. 200; p. 387.
- Motter, George J., Washington, D. C. Nose-bag. No. 1,109,135; Sept. 1; Gaz. vol. 206; p. 97.
- Motter, William N., Riverside, Ill., assignor, by mesne assignments, to General Electric Company. Massage-vibrator. No. 1,091,585; Mar. 31; Gaz. vol. 200; p. 1161.
- Mottinger, Byron T., Youngstown, Ohio. Electromagnetic separator. No. 1,093,875; Apr. 21; Gaz. vol. 201; p. 672.
- Mottram, Dorothy M., Los Angeles, Cal. String or thread cutter. No. 1,098,123; May 26; Gaz. vol. 202; p. 1140.
- Mottram, Frederick T., Victoria, British Columbia, Canada. Releasing-penholder. No. 1,097,254; May 19; Gaz. vol. 202; p. 792.
- Motz, Dorace E., *et al.* (See Port, Charles A., assignor.)
- Motz, Jacob F., Pittsburgh, Pa. Motor-control system. No. 1,122,783; Dec. 29; Gaz. vol. 209; p. 1510.
- Mouat, Mary, Mount Roskill, Auckland, New Zealand. Sanitary apparatus. No. 1,103,890; July 14; Gaz. vol. 204; p. 627.
- Mouat, Thomas G., Cleveland, Ohio. Valve. No. 1,104,918; July 28; Gaz. vol. 204; p. 1072.
- Mouat, Thomas G., Cleveland, Ohio. Return-fitting for vapor-heating systems. No. 1,112,154; Sept. 29; Gaz. vol. 206; p. 1317.
- Moulthrop, Louis S. (See Jaques, Fernando O., Jr., assignor.)
- Moulton, Harley C., Dorchester, assignor of one-half to W. A. Horgan, Boston, Mass. Gage for testing tapered holes. No. 1,086,840; Feb. 10; Gaz. vol. 199; p. 486.
- Moulton, James N., Haverhill, Mass. Forming-in machine. No. 1,089,491; Mar. 10; Gaz. vol. 200; p. 328.
- Moulton, James N., Haverhill, Mass. Machine for cutting sheets into strips. No. 1,095,661; May 5; Gaz. vol. 202; p. 167.
- Moulton, Lizzie L., Boston, Mass. Educational device. No. 1,113,237; Oct. 13; Gaz. vol. 207; p. 330.
- Moulton, Richard L., Providence, R. I. Automatic train-stopping device. No. 1,100,390; June 16; Gaz. vol. 203; p. 776.
- Mountain, Edward J., New York, N. Y. Arch and ankle support. No. 1,094,585; Apr. 28; Gaz. vol. 201; p. 970.
- Mountain, Edward J., New York, N. Y. Last. No. 1,094,739; Apr. 28; Gaz. vol. 201; p. 1027.
- Mountford, Clarence E., assignor, by mesne assignments, to Goldsmith, Stern & Co., New York, N. Y. Bracelet-bending machine. No. 1,094,676; Apr. 28; Gaz. vol. 201; p. 1004.
- Mountford, Howard S., Algona, Iowa. Intake-manifold for internal-combustion engines. No. 1,098,915; June 2; Gaz. vol. 203; p. 190.
- Mouromoff, Serge J., St. Petersburg, Russia. Gage-cock for use on steam-boilers. No. 1,106,105; Aug. 4; Gaz. vol. 205; p. 183.
- Moussette, Oliver J., Brooklyn, N. Y. Ore-pulverizer. No. 1,087,967; Feb. 24; Gaz. vol. 199; p. 974.
- Moussette, Oliver J., Brooklyn, N. Y. Crusher. No. 1,087,968; Feb. 24; Gaz. vol. 199; p. 974.
- Moussette, Oliver J., Brooklyn, N. Y. Rotary mixer. No. 1,091,752; Mar. 31; Gaz. vol. 200; p. 1219.
- Mowat, Oliver M. (See Baker, Hensen, and Mowat.)
- Mowat, Oliver M., McKeesport, assignor to The National Tube Company, Pittsburgh, Pa. Apparatus for expanding couplings. No. 1,105,094; July 28; Gaz. vol. 204; p. 1133.
- Mowe, George H., Watertown, N. Y. Composition of matter to be used for a food. No. 1,089,251; Mar. 3; Gaz. vol. 200; p. 198.
- Mower, Fred G., assignor to Goodell Company, Antrim, N. H. Fruit and vegetable slicer. No. 1,107,695; Aug. 18; Gaz. vol. 205; p. 832.
- Mower, Fred G., assignor to Goodell Company, Antrim, N. H. Apple parer and corer. No. 1,113,571; Oct. 13; Gaz. vol. 207; p. 448.
- Mowery, Nelson. (See Smith and Mowery.)
- Mowll, Charles F., Arlington, Mass. Vending-box. No. 1,120,218; Dec. 8; Gaz. vol. 209; p. 492.
- Mowrey, Harvey A., Blackfoot, Idaho. Window-shade holder. No. 1,089,252; Mar. 3; Gaz. vol. 200; p. 198.
- Mowry, Joseph B., Cleveland, Ohio. Water-heater. No. 1,108,607; Aug. 25; Gaz. vol. 205; p. 1196.
- Moxey, James A., Chicago, Ill., assignor to International Harvester Corporation. Fifth-wheel for vehicles. No. 1,122,214; Dec. 22; Gaz. vol. 209; p. 1272.
- Moye, Edward A. (See Clark, Edward O., assignor.)
- Moyer, Albert, New York, N. Y. Joint-plate. No. 1,092,848; Apr. 14; Gaz. vol. 201; p. 285.
- Moyer, Albert W., New York, N. Y., assignor to Rockwell Furnace Company. Core-oven. No. 1,085,153; Jan. 27; Gaz. vol. 198; p. 727.
- Moyer, Charles H., Tacoma, Wash., assignor of one-half to G. W. Koenig, Boston, Mass. Lifter. No. 1,120,735; Dec. 15; Gaz. vol. 209; p. 722.
- Moyer, Fredellia H., Cleveland, Ohio. Demountable rim. No. 1,116,723; Nov. 10; Gaz. vol. 208; p. 476.
- Moyer, Fredellia H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Dual-tire-rim construction. No. 1,116,464; Nov. 10; Gaz. vol. 208; p. 381.
- Moyer, Malcolm B., Montevideo, Minn. Gate. No. 1,094,392; Apr. 21; Gaz. vol. 201; p. 842.
- Moyer, Malcolm B., assignor to Moyer Manufacturing Company, Montevideo, Minn. Gate-latch. No. 1,117,949; Nov. 17; Gaz. vol. 208; p. 945.
- Moyer Manufacturing Company. (See Moyer, Malcolm B., assignor.)
- Moyle, Edward H., Los Angeles, Cal. Mortar for stamp-mills. No. 1,121,117; Dec. 15; Gaz. vol. 209; p. 858.
- Moyle, Edward H., Los Angeles, Cal. Mortar for stamp-mills. No. 1,121,118; Dec. 15; Gaz. vol. 209; p. 858.
- Moynihan, James F., West Newton, Mass. Valve. No. 1,110,269; Sept. 8; Gaz. vol. 206; p. 542.
- Mozingo, William H., Hurdland, Mo. Wrench. No. 1,120,736; Dec. 15; Gaz. vol. 209; p. 722.
- Mozingo, William H., Hurdland, assignor of one-half to G. M. Hasher, Gibbs, Mo. Saw gummer and swager. No. 1,095,662; May 5; Gaz. vol. 202; p. 167.
- Mroczkowski, Stanislaw, Nanticoke, Pa. Aeroplane. No. 1,096,639; May 12; Gaz. vol. 202; p. 535.
- Mróz, Jacenty, South St. Joseph, Mo. Rail-joint. No. 1,121,119; Dec. 15; Gaz. vol. 209; p. 858.
- Mrozinski, Edward N., and C. L. Hunsicker, San Francisco, Cal. Machine for making and inserting paper rings in can-heads. No. 1,087,040; Feb. 10; Gaz. vol. 199; p. 551.
- Muchka, Josef, Vienna, Austria-Hungary. Water-heating device. No. 1,091,378; Mar. 24; Gaz. vol. 200; p. 1046.
- Mudd, Earle D. (See Mudd, Melbourne M., assignor.)
- Mudd, Ernest F., and T. Severe, Washington, D. C. Cutting-table. No. 1,119,107; Dec. 1; Gaz. vol. 209; p. 73.
- Mudd, Francis X. (See Davis, Elnizo D., assignor.)
- Mudd, Francis X., Chicago, Ill. Shock-absorber. No. 1,098,826; June 2; Gaz. vol. 203; p. 159.
- Mudd, Francis X., Chicago, Ill. Bracket. No. 1,115,961; Nov. 3; Gaz. vol. 208; p. 169.
- Mudd, Francis X., Chicago, Ill., assignor, by mesne assignments, to International Equipment Company, Portland, Me. Railway-car. No. 1,084,950; Jan. 20; Gaz. vol. 198; p. 622.
- Mudd, John A., New York, N. Y. Filing system for clip-pings. No. 1,083,292; Jan. 6; Gaz. vol. 198; p. 12.
- Mudd, Melbourne M., assignor to E. D. Mudd, Chicago, Ill. Safety steering-equalizer for automobiles. No. 1,122,789; Dec. 29; Gaz. vol. 209; p. 1510.
- Mudge, Benjamin C., North Brookfield, Mass. Incandescent burner. No. 1,120,219; Dec. 8; Gaz. vol. 209; p. 493.
- Mudge, Loyal H., Denver, Colo. Bank-check. No. 1,109,453; Sept. 1; Gaz. vol. 206; p. 211.
- Mudroch, Paul, Pittsburgh, Pa. Railway-rail joint. No. 1,097,347; May 19; Gaz. vol. 202; p. 826.
- Muehl, William F., Chicago, Ill., assignor of one-third to L. H. Scurlock, Kansas City, Mo., and one-third to C. C. Wolf, Parkersburg, Iowa. Differential gearing for automobiles. No. 1,090,082; Mar. 10; Gaz. vol. 200; p. 530.
- Muehleisen, Carl. (See Mayer and Muehleisen.)
- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,084,224; Jan. 13; Gaz. vol. 198; p. 352.
- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,088,442; Feb. 24; Gaz. vol. 199; p. 1135.
- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,093,716; Apr. 21; Gaz. vol. 201; p. 620.
- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical casting-machine. No. 1,099,463; June 9; Gaz. vol. 203; p. 419.
- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical casting-machine. No. 1,103,071; July 14; Gaz. vol. 204; p. 342.
- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Matrix composing-machine. No. 1,109,696; Sept. 8; Gaz. vol. 206; p. 338.

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- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,116,465; Nov. 10; Gaz. vol. 208; p. 381.
- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Distributer mechanism of typographical machines. No. 1,117,885; Nov. 17; Gaz. vol. 208; p. 923.
- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Metal-pot for typographical casting-machines. No. 1,119,525; Dec. 1; Gaz. vol. 209; p. 216.
- Muehleisen, Carl, and A. Walter, Berlin, Germany, assignors to Mergenthaler Linotype Company. Typographical machine. No. 1,115,234; Oct. 27; Gaz. vol. 207; p. 1127.
- Muehleisen, Gottlieb, Alma, Wis. Dam. No. 1,116,100; Nov. 3; Gaz. vol. 208; p. 218.
- Mueller, Adolph, assignor to H. Mueller Mfg. Co., Decatur, Ill. Interchangeable self-closing and compression cock. No. 1,087,543; Feb. 17; Gaz. vol. 199; p. 780.
- Mueller, August E., Los Angeles, Cal. Combination aeroplane and dirigible balloon. No. 1,106,350; Aug. 4; Gaz. vol. 205; p. 263.
- Mueller, Charles A., Indianapolis, Ind. Screen-shovel. No. 1,094,161; Apr. 21; Gaz. vol. 201; p. 768.
- Mueller, Charles N., and W. V. Van Doren, Chicago, Ill. Thermometer-holder. No. 1,119,627; Dec. 1; Gaz. vol. 209; p. 251.
- Mueller, Charles W., Jersey City, N. J. Drinking-fountain for poultry. No. 1,121,528; Dec. 15; Gaz. vol. 209; p. 997.
- Mueller, Conrad. (See Ganderton, Thomas, assignor.)
- Mueller, Edward C., Milwaukee, assignor to Sterling Wheelbarrow Company, West Allis, Wis. Clamp for concrete forms. No. 1,115,719; Nov. 3; Gaz. vol. 208; p. 87.
- Mueller, Edward G., Pittsburgh, Pa. Welding-torch. No. 1,105,290; July 28; Gaz. vol. 204; p. 1200.
- Mueller, Edward W., Bensenville, Ill. Funnel. No. 1,085,626; Feb. 3; Gaz. vol. 199; p. 16.
- Mueller, Emil C. G. (See Glunt and Mueller.)
- Mueller, Frank, Allentown, Pa., assignor to International Motor Company, Wilmington, Del. Automobile post-hole digger. No. 1,108,102; Aug. 18; Gaz. vol. 205; p. 973.
- Mueller, Fred B., assignor to H. Mueller Mfg. Co., Decatur, Ill. Sprinkling and flushing hydrant. No. 1,086,841; Feb. 10; Gaz. vol. 199; p. 487.
- Mueller, Fred B., assignor to H. Mueller Mfg. Co., Decatur, Ill. Trap or water seal. No. 1,096,385; May 12; Gaz. vol. 202; p. 449.
- Mueller, Friedrich. (See Miller and Mueller.)
- Mueller, George E., La Grange, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Calling device. No. 1,119,526; Dec. 1; Gaz. vol. 209; p. 216.
- Mueller, George E., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Combination electrical switch for automobiles. No. 1,119,527; Dec. 1; Gaz. vol. 209; p. 217.
- Mueller, George H., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Car-dumping apparatus. No. 1,108,465; Aug. 25; Gaz. vol. 205; p. 1146.
- Mueller, Henry F., Altenburg, Mo. Mail-holding device. No. 1,097,184; May 19; Gaz. vol. 202; p. 767.
- Mueller, John B., Pittsburgh, Pa. Article-holder. No. 1,103,682; July 14; Gaz. vol. 204; p. 557.
- Mueller, John G., Dayton, Ohio. Rail-brace. No. 1,114,175; Oct. 20; Gaz. vol. 207; p. 699.
- Mueller, John G., Dayton, Ohio. Rail-insulator. No. 1,121,939; Dec. 22; Gaz. vol. 209; p. 1180.
- Mueller, Max, St. Louis, Mo. Auger brick-machine. No. 1,101,142; June 23; Gaz. vol. 203; p. 1088.
- Mueller, Max M., Chicago, Ill. Labeling-machine. No. 1,121,390; Dec. 15; Gaz. vol. 209; p. 950.
- Mueller, Paul H., and L. H. Schuler, Brooklyn, assignors to L-M-S Motor Co., Esopus, N. Y. Internal-combustion engine. No. 1,098,679; June 2; Gaz. vol. 203; p. 110.
- Mueller, Philip, assignor to H. Mueller Mfg. Co., Decatur, Ill. Lever-handle for self-closing work. No. 1,111,169; Sept. 22; Gaz. vol. 206; p. 942.
- Mueller, Philip, and A. C. Schuermann, assignors to H. Mueller Manufacturing Company, Decatur, Ill. Adjustable screw-joint coupling for supply-pipes. No. 1,091,692; Mar. 31; Gaz. vol. 200; p. 1197.
- Mueller, Philip, and A. C. Schuermann, assignors to H. Mueller Mfg. Co., Decatur, Ill. Self-closing cock and receptacle-actuated opening means therefor. No. 1,095,984; May 5; Gaz. vol. 202; p. 275.
- Mueller, Philip, and A. C. Schuermann, assignors to H. Mueller Mfg. Co., Decatur, Ill. Tool for forming grooves in pipes. No. 1,100,248; June 16; Gaz. vol. 203; p. 725.
- Mueller, Philip, and A. C. Schuermann, assignors to H. Mueller Mfg. Co., Decatur, Ill. Regulating-valve. No. 1,100,761; June 23; Gaz. vol. 203; p. 954.
- Mueller, Philip, and A. C. Schuermann, assignors to H. Mueller Mfg. Co., Decatur, Ill. Receptacle-actuated cock. No. 1,110,958; Sept. 15; Gaz. vol. 206; p. 825.
- Mueller, Philip, and A. C. Schuermann, assignors to H. Mueller Mfg. Co., Decatur, Ill. Packing-incasing ferrule. No. 1,116,609; Nov. 10; Gaz. vol. 208; p. 436.
- Mueller, Russell, Glencoe, Mo. Door-hanger. No. 1,106,233; Aug. 4; Gaz. vol. 205; p. 224.
- Mueller, Theodor M., Detroit, Mich. Self-regulating dynamo. No. 1,105,155; July 28; Gaz. vol. 204; p. 1152.
- Mueller, Theodor M., Pittsfield, assignor to Pittsfield Spark Coil Company, Dalton, Mass. Combined magneto and battery ignition system. No. 1,095,985; May 5; Gaz. vol. 202; p. 275.
- Mueller, Wilhelm, Essen-on-the-Ruhr, Germany. Regenerative oven. No. 1,089,663; Mar. 10; Gaz. vol. 200; p. 387.
- Mueller, William M. (See Cumberland, Robert W., assignor.)
- Muench, William C., assignor to Progress Machine Co., Indianapolis, Ind. Bottle-feeding mechanism. No. 1,112,155; Sept. 29; Gaz. vol. 206; p. 1317.
- Mugdan, Martin. (See Baum and Mugdan.)
- Muggey, Henry H., San Francisco, Cal. Differential car-wheel. No. 1,108,867; Aug. 25; Gaz. vol. 205; p. 1286.
- Mugnier, Raymond, New York, assignor to O. M. Edwards, Syracuse, N. Y. Wind-shield for vehicles. No. 1,097,603; May 19; Gaz. vol. 202; p. 911.
- Mühl, Ernst, Philadelphia, Pa., assignor of one-half to O. Donatz, Trenton, N. J. Turbine. No. 1,105,992; Aug. 4; Gaz. vol. 205; p. 142.
- Mühlbauer, Ernst C., assignor to Universelle Cigaretten-Maschinen-Industrie System Otto Bergsträsser Aktiengesellschaft, Dresden-Löbtau, Germany. Cigarette-making machine. No. 1,093,564; Apr. 14; Gaz. vol. 201; p. 522.
- Muhlfeld, Frank J., New York, N. Y. Tongued reducer for large-crowned hats. No. 1,097,255; May 19; Gaz. vol. 202; p. 793.
- Muhlfeld, Frank J., New York, N. Y. Napped hat with short velure nap. No. 1,117,886; Nov. 17; Gaz. vol. 208; p. 924.
- Muhlfeld, John E., Kansas City, Mo. Shock-absorber. No. 1,093,642; Apr. 21; Gaz. vol. 201; p. 593.
- Muhlfeld, John E., Scarsdale, N. Y. Connecting-conduit for locomotives and tenders. No. 1,102,535; July 7; Gaz. vol. 204; p. 109.
- Muhlfeld, John E., Scarsdale, N. Y., and H. R. Stafford, Plainfield, N. J. Steam-engine valve-chest. No. 1,103,072; July 14; Gaz. vol. 204; p. 343.
- Muhlfeld, John E., Scarsdale, N. Y., and H. R. Stafford, Plainfield, N. J. Steam-pipe for locomotive-engines. No. 1,117,422; Nov. 17; Gaz. vol. 208; p. 761.
- Muir, John M. (See Munden and Muir.)
- Muir, Reginald L., New York, N. Y. Wardrobe set. No. 1,117,593; Nov. 17; Gaz. vol. 208; p. 820.
- Muir, Robert, O'Fallon, Ill. Adjustable window shade and curtain support. No. 1,111,669; Sept. 22; Gaz. vol. 206; p. 1113.
- Muir, Robert J., Minneapolis, Minn. Traction-wheel. No. 1,100,902; June 23; Gaz. vol. 203; p. 1003.
- Mukautz, Peter J., Chicago, Ill. Sound-box. No. 1,085,354; Jan. 27; Gaz. vol. 198; p. 799.
- Mukautz, Peter J., Chicago, Ill. Film-feeding mechanism. No. 1,105,036; July 28; Gaz. vol. 204; p. 1112.
- Mularkey, James, assignor of one-half to J. P. Sprague, Kansas City, Mo. Building-partition. No. 1,110,707; Sept. 15; Gaz. vol. 206; p. 738.
- Mularkey, James, assignor to J. P. Sprague, Kansas City, Mo. Building-partition. No. 1,110,708; Sept. 15; Gaz. vol. 206; p. 738.
- Mulchahey, Earl R., assignor to Draft Regulator Company, Providence, R. I. Firing-door-controlled forced-draft blower for steam-boiler furnaces. No. 1,090,820; Mar. 17; Gaz. vol. 200; p. 825.
- Mulconroy, James J., Philadelphia, and E. S. Morris, Oak Lane, Pa. Metallic heel for boots or shoes. No. 1,103,610; July 14; Gaz. vol. 204; p. 530.
- Mulder, Jelte R., Roselawn, Ind. Corn-planter. No. 1,104,214; July 21; Gaz. vol. 204; p. 779.
- Mulder, Yge G., Orange City, Iowa. Veterinary instrument. No. 1,118,040; Nov. 24; Gaz. vol. 208; p. 1017.
- Muldoon, Frank J., assignor of one-half to H. Lochen, West Bend, Wis. Ironing-table. No. 1,091,006; Mar. 24; Gaz. vol. 200; p. 921.
- Muldoon, Frank J., assignor of one-half to H. Lochen, West Bend, Wis. Spark-plug. No. 1,122,297; Dec. 29; Gaz. vol. 209; p. 1341.
- Muldoon, John W., New York, N. Y. Form for monolithic walls. No. 1,109,934; Sept. 8; Gaz. vol. 206; p. 422.
- Mulford, Rufus K., Boston, Mass. Key-guide. No. 1,088,237; Feb. 24; Gaz. vol. 199; p. 1067.
- Mulholland, Samuel. (See Craig, Robert M., assignor.)
- Mulholland, William, Belfast, Ireland. Tractor. No. 1,120,326; Dec. 8; Gaz. vol. 209; p. 529.
- Mull, Ernest C., et al. (See Aiken, Thomas M., assignor.)
- Mullaly, Joseph H., Winnipeg, Manitoba, Canada. Matrix-mold. No. 1,098,289; May 26; Gaz. vol. 202; p. 1198.
- Mullaney, Christina, New York, N. Y. Emergency-covering for bats. No. 1,096,184; May 12; Gaz. vol. 202; p. 379.

Alphabetical list of patentees—Continued.

- Mullaney, Thomas F., New York, N. Y. Electrical system for transferring cars. No. 1,097,136; May 19; Gaz. vol. 202; p. 751.
- Mullaney, Thomas F., New York, N. Y. Electrical system for transferring cars. No. 1,097,137; May 19; Gaz. vol. 202; p. 751.
- Mullay, James B., Portland, Oreg. Saw-filer. No. 1,121,120; Dec. 15; Gaz. vol. 209; p. 859.
- Mullen, George B., New York, N. Y. Automobile number-display device. No. 1,116,905; Nov. 10; Gaz. vol. 208; p. 540.
- Müller, Arno, Leipzig-Schleussig, and C. Bomhard, Berlin, Germany. Apparatus for purifying gases. No. 1,107,986; Aug. 18; Gaz. vol. 205; p. 931.
- Müller-Braltz, Erwin, Berlin-Wilmersdorf, Germany. Container for storing photographic plates. No. 1,102,536; July 7; Gaz. vol. 204; p. 110.
- Müller, Carl, assignor to Kalle and Company, Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Manufacture of an azo dyestuff which may be developed on the fiber. No. 1,113,468; Oct. 13; Gaz. vol. 207; p. 413.
- Müller, Carl, and O. Pilz, Boston, Mass. Elastic strap. No. 1,106,959; Aug. 11; Gaz. vol. 205; p. 525.
- Müller, Carl A., Witzhausen, Germany. Safety-lock. No. 1,092,223; Apr. 7; Gaz. vol. 201; p. 34.
- Müller, Carl A., Witzhausen, Germany. Cylinder-lock. No. 1,114,709; Oct. 20; Gaz. vol. 207; p. 886.
- Müller-Deutschmann, Adolf, and D. Ströh, Eltville-on-the-Rhine, Germany. Breech-action for firearms. No. 1,089,780; Mar. 10; Gaz. vol. 200; p. 427.
- Muller, Edward. (See Gorton, Charles E., assignor.)
- Muller, Edward, East New Durham, N. J. Vehicle-washer. No. 1,090,640; Mar. 17; Gaz. vol. 200; p. 767.
- Müller, Emil. (See Völler and Müller.)
- Müller, Ernst, Berlin, and A. Kayser, Wilmersdorf, near Berlin, assignors to Dübelwerke Gesellschaft mit beschränkter Haftung, Berlin, Germany. Elastic bedding-plate. No. 1,105,368; July 28; Gaz. vol. 204; p. 1232.
- Müller, Franz, Charlottenburg, Germany, assignor to General Electric Company. Fuel-injection device. No. 1,118,437; Nov. 24; Gaz. vol. 208; p. 1157.
- Müller, Friedrich, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Bleaching fats and oils. No. 1,089,253; Mar. 3; Gaz. vol. 200; p. 198.
- Müller, Friedrich, Bochum, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash-controlling apparatus. No. 1,094,586; Apr. 28; Gaz. vol. 201; p. 970.
- Muller, George J., Baltimore, Md. Combined fence-post and take-up. No. 1,105,369; July 28; Gaz. vol. 204; p. 1232.
- Muller, Gottlieb U., Philadelphia, Pa. Monoplane. No. 1,093,962; June 2; Gaz. vol. 203; p. 205.
- Müller, Hans, Hagen, Westphalia, Germany. Heading bolts, screws, rivets, and similar articles by upsetting. No. 1,096,555; May 12; Gaz. vol. 202; p. 506.
- Müller, Hans, Milwaukee, Wis., assignor to Universal Oxygen Company. Apparatus for treating welding-gases. No. 1,109,777; Sept. 8; Gaz. vol. 206; p. 365.
- Muller, Henry J., Brooklyn, N. Y. Amusement-railway. No. 1,092,740; Apr. 7; Gaz. vol. 201; p. 211.
- Müller, Johann C., assignor to "Universelle" Cigaretten-Maschinen-Industrie System Otto Bergsträsser Aktiengesellschaft, Dresden-Lobtau, Germany. Apparatus for covering the tip ends of cigarette-paper with gold-leaf. No. 1,114,507; Oct. 20; Gaz. vol. 207; p. 819.
- Müller, Joseph W., Forest, Wash. Cow-tie lock. No. 1,084,705; Jan. 20; Gaz. vol. 198; p. 541.
- Müller, Julius. (See Schmidt and Müller.)
- Muller, Max, Chicago, Ill. Label for hair-switches. No. 1,091,076; Mar. 24; Gaz. vol. 200; p. 946.
- Müller, Oscar, Flüderhausen, Germany. Apparatus for drying paste goods. No. 1,089,944; Mar. 10; Gaz. vol. 200; p. 485.
- Müller, Paul, *et al.* (See Szeliga, Anton, assignor.)
- Müller, Richard, Norwalk, Conn. Umbrella-covering. No. 1,089,857; Mar. 10; Gaz. vol. 200; p. 453.
- Müller, William H., Union Course, N. Y. Convertible swing. No. 1,109,454; Sept. 1; Gaz. vol. 206; p. 211.
- Mulligan, Joseph O., Eccles, W. Va. Wire-splicer. No. 1,099,390; June 9; Gaz. vol. 203; p. 394.
- Mulligan, Thomas F. (See Bowser and Mulligan.)
- Mulligan, Thomas F., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Driving mechanism for pumps. No. 1,102,537; July 7; Gaz. vol. 204; p. 110.
- Mulligan, Thomas F., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Boring-tool. No. 1,102,538; July 7; Gaz. vol. 204; p. 111.
- Mulligan, Thomas F., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Apparatus for filling oil-cans. No. 1,112,082; Sept. 29; Gaz. vol. 206; p. 1291.
- Mulligan, Thomas F., assignor to S. F. Bowser & Co., Incorporated, Fort Wayne, Ind. Liquid-weighing mechanism. No. 1,116,466; Nov. 10; Gaz. vol. 208; p. 381.
- Mulligan, Thomas F., assignor to S. F. Bowser & Co., Incorporated, Fort Wayne, Ind. Automatic air-relief for liquid-measuring meters. No. 1,119,979; Dec. 8; Gaz. vol. 209; p. 407.
- Mulligan, Thomas F., assignor to S. F. Bowser & Co., Inc., Fort Wayne, Ind. Automatic air-relief valve for liquid systems. No. 1,119,980; Dec. 8; Gaz. vol. 209; p. 407.
- Mulliken, Samuel P., Newburyport, Mass., and H. K. Moore, Berlin, N. H.; said Mulliken assignor to said Moore. Manufacturing ethane. No. 1,107,696; Aug. 18; Gaz. vol. 205; p. 832.
- Mullins, D. C. (See Mullins, George A., assignor.)
- Mullins, George A., assignor of one-half to D. C. Mullins, Woodville, W. Va. Machine for sawing staves. No. 1,118,569; Nov. 24; Gaz. vol. 208; p. 1203.
- Mullins, Henry W., New Decatur, Ala. Bridle-bit. No. 1,107,223; Aug. 11; Gaz. vol. 205; p. 616.
- Mullins, Ollie, assignor of one-half to M. T. Hutts, Terre Haute, Ind. Wrench. No. 1,083,851; Jan. 6; Gaz. vol. 198; p. 193.
- Mullins, Ollie, assignor of one-half to M. T. Hutts and one-fourth to J. J. Ury, Terre Haute, Ind. Stamp-cutter. No. 1,093,460; Apr. 14; Gaz. vol. 201; p. 491.
- Mullins, William H., Republican Grove, Va. Combined mail-box and signal. No. 1,084,893; Jan. 20; Gaz. vol. 198; p. 603.
- Mullins, William H., Salem, Ohio. Automobile mud-guard. No. 1,107,826; Aug. 18; Gaz. vol. 205; p. 877.
- Mulloy, Martin, Sr., Nashville, Tenn. Catch-basin for sewers. No. 1,107,096; Aug. 11; Gaz. vol. 205; p. 568.
- Mulloy, Patrick, and H. Firminbac, Mercer, Wis. Spark-extinguisher and smoke-consumer. No. 1,104,822; July 28; Gaz. vol. 204; p. 1039.
- Mullvain, Ernest E., Los Angeles, Cal. Signal system. No. 1,107,697; Aug. 18; Gaz. vol. 205; p. 832.
- Multi-Lux Illuminating Company, The. (See Smith, Esmond M., assignor.)
- Multiple-Grate-Bar Endless Chain Stoker Company. (See Clark, Francis M., assignor.)
- Multiple-Grate-Bar Endless Chain Stoker Company. (See Iserman, Harvey, assignor.)
- Multiplex Display Fixture Company. (See Feldmann and Crecelius, assignors.)
- Multipost Company. (See Straight, Bennett D., assignor.)
- Mulvaney, Henry C., Los Angeles, Cal. Wall-bed. (Re-issue.) No. 1,137,366; May 26; Gaz. vol. 202; p. 1226.
- Mulvehill, John D., Spokane, Wash. Non-refillable bottle. No. 1,111,082; Sept. 22; Gaz. vol. 206; p. 911.
- Mulvihill, Daniel C., Hannibal, Mo. Switch-stand. No. 1,099,566; June 9; Gaz. vol. 203; p. 454.
- Mumford, Edgar H., Plainfield, N. J. Jolt ramming mechanism. No. 1,091,077; Mar. 24; Gaz. vol. 200; p. 947.
- Mumford, Edgar H., Plainfield, N. J. Jolt ramming-machine. No. 1,105,821; Aug. 4; Gaz. vol. 205; p. 82.
- Mumford, Edgar H., Plainfield, N. J. Liquid seal for jolt ramming-machines. No. 1,106,671; Aug. 11; Gaz. vol. 205; p. 424.
- Mumford, Edgar H., Plainfield, N. J. Molding apparatus. No. 1,122,409; Dec. 29; Gaz. vol. 209; p. 1377.
- Mumford, Edgar H., Plainfield, N. J., assignor to S. C. Mumford, Detroit, Mich. Sand-molding apparatus. No. 1,091,948; Mar. 31; Gaz. vol. 200; p. 1288.
- Mumford, Gurdon S., Garden City, N. Y. Making concrete walls. No. 1,096,792; May 12; Gaz. vol. 202; p. 585.
- Mumford, Gurdon S., Garden City, N. Y. Concrete wall construction. No. 1,107,200; Aug. 11; Gaz. vol. 205; p. 607.
- Mumford, Gurdon S., Garden City Estates, Long Island, N. Y. Apparatus for casting concrete walls. No. 1,122,982; Dec. 29; Gaz. vol. 209; p. 1579.
- Mumford, Gurdon S., New York, N. Y. Apparatus for constructing concrete walls. No. 1,122,983; Dec. 29; Gaz. vol. 209; p. 1580.
- Mumford, Samuel C. (See Mumford, Edgar H., assignor.)
- Mumma, George R. (See Raymond and Mumma.)
- Mummary, Walter S., assignor of one-half to A. Amundson, Minot, N. D. Hydrocarbon-burner. No. 1,120,327; Dec. 8; Gaz. vol. 209; p. 530.
- Munch, Alfred, Maywood, Ill. Metallic packing-ring for piston-rods. No. 1,095,163; Apr. 28; Gaz. vol. 201; p. 1174.
- Münch, Eduard, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Vat coloring-matters and producing them. No. 1,122,790; Dec. 29; Gaz. vol. 209; p. 1511.
- Münch, Frederick C., *et al.* (See Münch, Henry W., assignor.)
- Münch, Henry W., Arlington, assignor of one-half to F. C. Münch, Hull, and one-half to M. W. Springer, Cambridge, Mass. Support for telephone-receivers. No. 1,119,366; Dec. 1; Gaz. vol. 209; p. 161.
- Munchausen, Arthur, Independence, La. Crate. No. 1,094,463; Apr. 28; Gaz. vol. 201; p. 929.
- Muncy, David J., Lockney, Tex., assignor to W. F. Jones, Los Angeles, Cal. Pump. No. 1,088,238; Feb. 24; Gaz. vol. 199; p. 1067.
- Munden, Albert. (See Hickman, Emmett F., assignor.)
- Munden, Arthur J. W., and J. M. Muir, Dunedin, New Zealand. Automatic electrical announcer. No. 1,112,310; Sept. 29; Gaz. vol. 206; p. 1371.
- Munden, Joseph, Derry township, Westmoreland county, Pa. Carbureter. No. 1,099,714; June 9; Gaz. vol. 203; p. 505.
- Mundorff, James, Sharon, Pa. Water-heating system. No. 1,113,238; Oct. 13; Gaz. vol. 207; p. 330.

Alphabetical list of patentees—Continued.

- Mundt, Emil W., New York, N. Y. Curtain-pin. No. 1,121,391; Dec. 15; Gaz. vol. 209; p. 950.
- Mundy, Thomas C. (See Vale and Mundy.)
- Municipal Supplies Company. (See Delaney, Joseph P., assignor.)
- Municipal Supply Co. (See Brown, William R., assignor.)
- Munkacsy, John, Newark, assignor of one-half to F. J. Fibish, Bogota, N. J. Safety appliance for elevators. No. 1,117,887; Nov. 17; Gaz. vol. 203; p. 924.
- Munkacsy, John, Newark, assignor of one-half to F. J. Fibish, Bogota, N. J. Safety appliance for elevators. No. 1,117,888; Nov. 17; Gaz. vol. 203; p. 924.
- Munn, Merton S., Stillwater, Minn. Truck and axle mechanism for railway-cars. No. 1,105,291; July 28; Gaz. vol. 204; p. 1201.
- Munro, Edward M., assignor of one-half to The R. E. T. Construction Company, Limited, London, England. Socket or base of trolley-poles for electric traction systems. No. 1,100,680; June 16; Gaz. vol. 203; p. 870.
- Munroe, Clyde S., River Forest, Ill. Carbureter. No. 1,098,827; June 2; Gaz. vol. 203; p. 159.
- Munsell, Frank E., Hamilton, Mo. Pruning implement. No. 1,098,290; May 26; Gaz. vol. 202; p. 1198.
- Munsell, Frank E., Hamilton, Mo. Switch-key. No. 1,115,720; Nov. 3; Gaz. vol. 203; p. 87.
- Munslow, William E., Steubenville, Ohio. Railway-tie. No. 1,109,539; Sept. 1; Gaz. vol. 206; p. 239.
- Munson, George D., Wallingford, assignor to International Silver Co., Meriden, Conn. Combined cigarette-case and match-box. No. 1,114,378; Oct. 20; Gaz. vol. 207; p. 771.
- Munson, Henry, Great Falls, Mont., and B. Hazeltine, Center Point, Iowa. Wrench. No. 1,106,672; Aug. 11; Gaz. vol. 205; p. 424.
- Munson, Henry H. (See Page and Munson.)
- Munson, Homer S., Redlands, Cal. Sprayer. No. 1,105,993; Aug. 4; Gaz. vol. 205; p. 142.
- Munson, John G., assignor of one-third to J. D. Wardle and one-third to E. F. Winslow, Cedar Rapids, Iowa. Trolley-switch. No. 1,096,741; May 12; Gaz. vol. 202; p. 568.
- Munson, Sterling C. (See Herman, Clifton E., assignor.)
- Munson-Whitaker Company. (See Whitaker, Chester L., assignor.)
- Muntz, John B. (See McDonald, Charles F., assignor.)
- Muntz, William E., London, England. Pneumatic tire. No. 1,110,640; Sept. 15; Gaz. vol. 206; p. 714.
- Munz, Victor E. (See Szekfu, Stephen, assignor.)
- Munz, William. (See Potter, Stover, and Munz.)
- Munzner, Max, Arlington, N. J., assignor to The Torsion Balance Company, New York, N. Y. Torsion balance-scale. No. 1,121,861; Dec. 22; Gaz. vol. 209; p. 1152.
- Murata, Frank T., Canon City, Colo. Tobacco-pipe. No. 1,089,254; Mar. 3; Gaz. vol. 200; p. 198.
- Murayama, Hashime, New York, N. Y. Making transparent models for anatomical study. No. 1,104,067; July 21; Gaz. vol. 204; p. 729.
- Murch, William. (See Day and Murch.)
- Murchev, William, Detroit, Mich. Screw-cutting tap. No. 1,100,984; June 23; Gaz. vol. 203; p. 1033.
- Murchev, William, assignor to W. H. Jennings and C. K. Chapin, Detroit, Mich. Device for cutting screw-threads. No. 1,114,629; Oct. 20; Gaz. vol. 207; p. 857.
- Murden, James A., Newport News, Va. Plow. No. 1,117,079; Nov. 10; Gaz. vol. 203; p. 600.
- Murdick, Israel H., Benton Harbor, Mich. Lawn-mower. No. 1,122,984; Dec. 29; Gaz. vol. 209; p. 1580.
- Murdoch, Augustus P., et al. (See Bullock and Fayette, assignors.)
- Murdoch, Frederick T., Belfast, Ireland. Skid. No. 1,115,721; Nov. 3; Gaz. vol. 203; p. 87.
- Murdock, Carruth P., Cincinnati, Ohio. Changeable illuminated sign. No. 1,103,812; July 14; Gaz. vol. 204; p. 600.
- Murdock, William J., Chelsea, Mass. Circuit-detector. No. 1,091,528; Mar. 31; Gaz. vol. 200; p. 1141.
- Murkowski, Luis, Enumclaw, Wash. Swingle and double tree attachment. No. 1,096,742; May 12; Gaz. vol. 202; p. 569.
- Murl, Gabriel. (See Siderits and Murl.)
- Murphey, James A., Germantown, Pa. Means for way-billing. No. 1,086,203; Feb. 3; Gaz. vol. 199; p. 220.
- Murphey, John S., Baltimore, Md. Watch-bracelet. No. 1,101,500; June 23; Gaz. vol. 203; p. 1211.
- Murphey, John S., assignor to John W. Mealy & Sons Co., Baltimore, Md. Watch-holder for personal wear. No. 1,101,498; June 23; Gaz. vol. 203; p. 1211.
- Murphey, John S., assignor to John W. Mealy & Sons Co., Baltimore, Md. Watch-holder. No. 1,101,499; June 23; Gaz. vol. 203; p. 1211.
- Murphey, William J., and O. R. Burgess, Newcastle, Ind. Electric window-sign. No. 1,096,448; May 12; Gaz. vol. 202; p. 470.
- Murphy, Albert C., et al. (See Powers, Robert E., assignor.)
- Murphy, Arthur, Quincy, Mass. Apparatus for electroplating and the like. No. 1,105,292; July 28; Gaz. vol. 204; p. 1201.
- Murphy, Charles W., Chicago, Ill. Automobile-signal. No. 1,085,287; Jan. 27; Gaz. vol. 198; p. 775.
- Murphy, Clinton C. (See Mathews, Fred, assignor.)
- Murphy, Daniel, Sr., Idagrove, Iowa. Engine-starter. No. 1,122,985; Dec. 29; Gaz. vol. 209; p. 1580.
- Murphy, Daniel J., et al. (See Luther, Otto C., assignor.)
- Murphy, Daniel P., assignor to Buhl Stamping Company, Detroit, Mich. Metallic vessel. No. 1,099,662; June 9; Gaz. vol. 203; p. 487.
- Murphy, Edward J., Barberton, Ohio. Lighting device. No. 1,103,611; July 14; Gaz. vol. 204; p. 530.
- Murphy, Edward J., assignor of one-half to L. B. Gump, Gary, Ind. Electric-railway system. No. 1,112,548; Oct. 6; Gaz. vol. 207; p. 48.
- Murphy, Edwin J., Schenectady, N. Y., assignor to General Electric Company. Circuit-breaker. No. 1,097,256; May 19; Gaz. vol. 202; p. 793.
- Murphy, Edwin J., Schenectady, N. Y., assignor to General Electric Company. Current-reversing relay. No. 1,109,244; Sept. 1; Gaz. vol. 206; p. 138.
- Murphy, Edwin J., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic switch. No. 1,109,245; Sept. 1; Gaz. vol. 206; p. 138.
- Murphy, Francis P., Oakville, Conn. Wheeled broadcasting apparatus. No. 1,102,786; July 7; Gaz. vol. 204; p. 197.
- Murphy, Frank M. (See Murphy, Peter and F. M.)
- Murphy, George C., Louisville, Ky. Circuit contact closing device. No. 1,099,812; June 9; Gaz. vol. 203; p. 537.
- Murphy, George C., Louisville, Ky. Relay contact device. No. 1,109,778; Sept. 8; Gaz. vol. 206; p. 366.
- Murphy, George F., New York, N. Y. Vehicle-seat. No. 1,105,822; Aug. 4; Gaz. vol. 205; p. 82.
- Murphy, Harry A., and J. F. Simpson, Preston, England. Threading of loom and like shuttles. No. 1,084,894; Jan. 20; Gaz. vol. 198; p. 603.
- Murphy, Henry A., et al. (See Nicholson, Alonzo L., assignor.)
- Murphy, Howard H., Boston, Mass. Internal-combustion engine. No. 1,096,261; May 12; Gaz. vol. 202; p. 407.
- Murphy, Howard M. P., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train-brake-control apparatus. No. 1,104,823; July 28; Gaz. vol. 204; p. 1039.
- Murphy Iron Works. (See Stewart, Burt C., assignor.)
- Murphy, James, Bridgeport, Conn. Police-nipper. No. 1,102,943; July 7; Gaz. vol. 204; p. 249.
- Murphy, James A., assignor of one-half to B. F. Perkins & Son, Inc., Holyoke, Mass. Base-ball bat. No. 1,111,314; Sept. 22; Gaz. vol. 206; p. 990.
- Murphy, James A., assignor of one-half to T. J. O'Connor, Holyoke, Mass. Toy base-ball bat. No. 1,113,162; Oct. 6; Gaz. vol. 207; p. 259.
- Murphy, James A., Holyoke, assignor of one-half to E. D. Lombard, Springfield, Mass. Heel. No. 1,122,215; Dec. 22; Gaz. vol. 209; p. 1272.
- Murphy, James J., assignor to Eagle Lock Co., Terryville, Conn. Padlock. No. 1,100,391; June 16; Gaz. vol. 203; p. 776.
- Murphy, James W. (See Radlein and Murphy.)
- Murphy, James W., Akron, Ohio. Block-signal system. No. 1,094,918; Apr. 28; Gaz. vol. 201; p. 1087.
- Murphy, John, Hartford City, Ind., assignor to Window Glass Machine Company, Pittsburgh, Pa. Blowpipe-stand. No. 1,086,394; Feb. 10; Gaz. vol. 199; p. 328.
- Murphy, John A., Philadelphia, Pa. Elevating-truck. No. 1,114,282; Oct. 20; Gaz. vol. 207; p. 737.
- Murphy, John F. (See Flora and Murphy.)
- Murphy, John J., San Francisco, Cal. Auxiliary air-valve. No. 1,098,828; June 2; Gaz. vol. 203; p. 159.
- Murphy, John J., San Francisco, Cal. Gaseous-fuel mixer. No. 1,113,041; Oct. 6; Gaz. vol. 207; p. 218.
- Murphy, John J., assignor, by mesne assignments, to The American Corte-Scope Company, Toledo, Ohio. Stereoscope. No. 1,101,948; June 30; Gaz. vol. 203; p. 1418.
- Murphy, John J., assignor to The American Cortescope Company, Toledo, Ohio. Stereoscope. No. 1,121,529; Dec. 15; Gaz. vol. 209; p. 997.
- Murphy, Martin V., Baltimore, and S. E. Baker, Baltimore county, Md. Electropneumatic train control. No. 1,114,630; Oct. 20; Gaz. vol. 207; p. 858.
- Murphy, Morton. (See Brown and Murphy.)
- Murphy, Morton, Janesville, Wis. Seamless aluminum well for fireless cook-stoves. No. 1,117,889; Nov. 17; Gaz. vol. 203; p. 487.
- Murphy, Otto S., Peoria, Ill. Hasp-lock. No. 1,111,028; Sept. 22; Gaz. vol. 206; p. 892.
- Murphy, Peter and F. M., Prescott, Ariz. Automatic oil and water separator. No. 1,094,861; Apr. 28; Gaz. vol. 201; p. 1069.
- Murphy, Peter H. (See Owen, William J., assignor.)
- Murphy, Swan A. (See Kelley and Murphy.)
- Murphy, Thomas J., Rochester, N. Y. Rectifier of electric currents. No. 1,093,717; Apr. 21; Gaz. vol. 201; p. 620.
- Murphy, Thomas J., assignor of one-fourth to J. P. B. Duffy, Rochester, N. Y. Electric flashing device. No. 1,097,871; May 26; Gaz. vol. 202; p. 1051.
- Murphy, Thomas J., assignor of one-fourth to J. P. B. Duffy, Rochester, N. Y. High-tension device. No. 1,097,872; May 26; Gaz. vol. 202; p. 1051.
- Murphy, Thomas S., Charlestown, Ohio. Drain-tile. No. 1,119,858; Dec. 8; Gaz. vol. 209; p. 364.

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- Murphy, Timothy C., Dubuque, Iowa. Eraser-cleaner. No. 1,121,570; Dec. 15; Gaz. vol. 209; p. 1013.
- Murphy Wall Bed Company. (See Murphy, William L., assignor.)
- Murphy, Walter. (See Lawler, Thomas A., assignor.)
- Murphy, Walter P. (See Anderson, Olof, assignor.)
- Murphy, Walter P. (See Downing, Ira S., assignor.)
- Murphy, Walter P. (See Sisson, Vinton E., assignor.)
- Murphy, Walter P. (See Smith, Ray F., assignor.)
- Murphy, Walter P., Chicago, Ill. Release-rigging. No. 1,084,163; Jan. 13; Gaz. vol. 198; p. 330.
- Murphy, Walter P., Chicago, Ill. Release-rigging. No. 1,095,222; May 5; Gaz. vol. 202; p. 17.
- Murphy, Walter P., Chicago, Ill. Release-rigging. No. 1,095,588; May 5; Gaz. vol. 202; p. 142.
- Murphy, Walter P., Chicago, Ill. Release-rigging. No. 1,095,589; May 5; Gaz. vol. 202; p. 142.
- Murphy, Walter P., Chicago, Ill. Uncoupling-lever. No. 1,099,993; June 16; Gaz. vol. 203; p. 636.
- Murphy, Walter P., Chicago, Ill. Car-roof. No. 1,115,090; Oct. 27; Gaz. vol. 207; p. 1075.
- Murphy, Walter P., Chicago, Ill. Metal end structure for railway-cars. No. 1,117,223; Nov. 17; Gaz. vol. 208; p. 691.
- Murphy, Walter P., Chicago, Ill. Device for manipulating the locking-pins of car-couplings. No. 1,118,948; Dec. 1; Gaz. vol. 209; p. 15.
- Murphy, William, Keyser, W. Va. Clothes-washer. No. 1,089,781; Mar. 10; Gaz. vol. 200; p. 427.
- Murphy, William F., Iowa City, Iowa. Ore-roasting furnace. No. 1,099,309; June 9; Gaz. vol. 203; p. 364.
- Murphy, William H. (See Kerr, William R., assignor.)
- Murphy, William L., assignor to Murphy Wall Bed Company, San Francisco, Cal. Disappearing bed. No. 1,083,504; Jan. 6; Gaz. vol. 198; p. 81.
- Murphy, William T., Cranston, R. I., assignor to Standard Machinery Company. Swaging-machine. No. 1,117,423; Nov. 17; Gaz. vol. 208; p. 761.
- Murran, Robert C., Brooklyn, N. Y. Hedge-trimmer. No. 1,115,328; Oct. 27; Gaz. vol. 207; p. 1157.
- Murray, Alexander. (See Edgington and Murray.)
- Murray, Aristides R., assignor to The Cincinnati Gear Cutting Machine Company, Cincinnati, Ohio. Controlling mechanism. No. 1,114,793; Oct. 27; Gaz. vol. 207; p. 969.
- Murray, Charles F., Evanston, assignor to The Fowler Car Company, Chicago, Ill. Building railway-cars. No. 1,091,693; Mar. 31; Gaz. vol. 200; p. 1198.
- Murray, Charles F., Evanston, assignor to The Fowler Car Company, Chicago, Ill. Car side. No. 1,093,876; Apr. 21; Gaz. vol. 201; p. 672.
- Murray, Donald, London, England, assignor to The Western Union Telegraph Company, New York, N. Y. Printer for printing-telegraph systems. No. 1,114,904; Oct. 27; Gaz. vol. 207; p. 1009.
- Murray, Donald, London, England, assignor to The Western Union Telegraph Company, New York, N. Y. Printing-telegraph system. No. 1,114,905; Oct. 27; Gaz. vol. 207; p. 1009.
- Murray, Edward. (See Monterastelli, Buanafede, assignor.)
- Murray, Edwin R., Alameda, Cal. Temperature-indicator. No. 1,097,348; May 19; Gaz. vol. 202; p. 826.
- Murray, Ethelbert T. R., Radlett, England. Apparatus for indicating a fair charge for electrical current consumed. No. 1,121,121; Dec. 15; Gaz. vol. 209; p. 859.
- Murray, George C., Chicago, Ill., assignor to Keyoke Railway Equipment Company. Uncoupling mechanism. No. 1,098,392; June 2; Gaz. vol. 203; p. 12.
- Murray, George L., and A. W. Creelman, Big Sandy, Mont. Plunge-bucket well-digger. No. 1,117,424; Nov. 17; Gaz. vol. 208; p. 761.
- Murray, George W., Atlantic City, N. J. Gas-broiler. No. 1,103,992; July 21; Gaz. vol. 204; p. 702.
- Murray, James W., St. George, New Brunswick, Canada. Figure toy. No. 1,110,224; Sept. 8; Gaz. vol. 206; p. 526.
- Murray, John, Edinburgh, Scotland. Multicolor-printing machinery. No. 1,106,313; Aug. 4; Gaz. vol. 205; p. 251.
- Murray, John, assignor of ninety one-hundredths to A. Greden, Mount Vernon, Minn. Guide-pulley. No. 1,091,007; Mar. 24; Gaz. vol. 200; p. 922.
- Murray, John A., et al. (See McConnell, John H., assignor.)
- Murray, Lester, and A. Melville, Kenosha, Wis. Reel. No. 1,119,445; Dec. 1; Gaz. vol. 209; p. 187.
- Murray, Milton, Williams Wharf, Va. Fence-post. No. 1,085,219; Jan. 27; Gaz. vol. 198; p. 750.
- Murray, Milton, Williams Wharf, Va. Non-refillable bottle. No. 1,102,349; July 7; Gaz. vol. 204; p. 44.
- Murray, Stanley G. (See Clifford and Murray.)
- Murray, Stephen D., Dallas, Tex. Cotton-gin. No. 1,086,204; Feb. 3; Gaz. vol. 199; p. 221.
- Murray, Stephen D., Dallas, Tex. Cotton-gin. No. 1,089,255; Mar. 3; Gaz. vol. 200; p. 199.
- Murray, Thomas B., Scotstoun, Scotland. Vehicle-wheel. No. 1,103,813; July 14; Gaz. vol. 204; p. 601.
- Murray, Thomas E. (See Maibaum, Jerome, assignor.)
- Murray, Thomas E. (See McHarg, Arthur V. A., assignor.)
- Murray, Thomas E. (See Morris, Frederick W., assignor.)
- Murray, Thomas E. (See Murray, Thomas E., Jr., assignor.)
- Murray, Thomas E. (See Rhodes, Samuel G., assignor.)
- Murray, Thomas E. (See Roth, Charles, assignor.)
- Murray, Thomas E., New York, N. Y. Fuse-plug. No. 1,084,706; Jan. 20; Gaz. vol. 198; p. 541.
- Murray, Thomas E., New York, N. Y. Apparatus for trapping solid particles in suspension in gas-currents. No. 1,087,970; Feb. 24; Gaz. vol. 199; p. 974.
- Murray, Thomas E., New York, N. Y. Meter-testing cut-out. No. 1,090,489; Mar. 17; Gaz. vol. 200; p. 716.
- Murray, Thomas E., New York, N. Y. Apparatus for trapping solid particles in suspension in gas-currents. No. 1,090,490; Mar. 17; Gaz. vol. 200; p. 716.
- Murray, Thomas E., New York, N. Y. Electric switch. No. 1,091,155; Mar. 24; Gaz. vol. 200; p. 975.
- Murray, Thomas E., New York, N. Y. Protective device for sheathed conductors. No. 1,103,983; July 21; Gaz. vol. 204; p. 700.
- Murray, Thomas E., New York, N. Y. Protective casing for line conductors. No. 1,103,984; July 21; Gaz. vol. 204; p. 700.
- Murray, Thomas E., New York, N. Y. Electric fuse. No. 1,103,987; July 21; Gaz. vol. 204; p. 701.
- Murray, Thomas E., New York, N. Y. Tubular connection-duct. No. 1,103,988; July 21; Gaz. vol. 204; p. 701.
- Murray, Thomas E., New York, N. Y. Electric cut-out. No. 1,103,989; July 21; Gaz. vol. 204; p. 701.
- Murray, Thomas E., New York, N. Y. Electric cut-out. No. 1,103,990; July 21; Gaz. vol. 204; p. 702.
- Murray, Thomas E., New York, N. Y. Connecting device. No. 1,103,991; July 21; Gaz. vol. 204; p. 702.
- Murray, Thomas E., New York, N. Y. Electric cut-out. No. 1,103,994; July 21; Gaz. vol. 204; p. 703.
- Murray, Thomas E., New York, N. Y. Apparatus for trapping particles in suspension in gas-currents. No. 1,103,995; July 21; Gaz. vol. 204; p. 703.
- Murray, Thomas E., New York, N. Y. Seal-fastening. No. 1,105,037; July 28; Gaz. vol. 204; p. 1112.
- Murray, Thomas E., New York, N. Y. Fuse-switch. No. 1,112,156; Sept. 29; Gaz. vol. 206; p. 1317.
- Murray, Thomas E., New York, N. Y. Protective switch-box. No. 1,115,091; Oct. 27; Gaz. vol. 207; p. 1076.
- Murray, Thomas E., New York, N. Y. Electric fuse. No. 1,120,221; Dec. 8; Gaz. vol. 209; p. 493.
- Murray, Thomas E., New York, N. Y. Fuse-box. No. 1,120,223; Dec. 8; Gaz. vol. 209; p. 494.
- Murray, Thomas E., New York, N. Y. Electric bath-cabinet. No. 1,120,224; Dec. 8; Gaz. vol. 209; p. 494.
- Murray, Thomas E., New York, N. Y. Electric cut-out. No. 1,120,225; Dec. 8; Gaz. vol. 209; p. 494.
- Murray, Thomas E., and A. V. A. McHarg, New York, N. Y.; said McHarg assignor to said Murray. Multiduct. No. 1,087,969; Feb. 24; Gaz. vol. 199; p. 974.
- Murray, Thomas E., and A. V. A. McHarg, New York, N. Y.; said McHarg assignor to said Murray. Protective device for electric circuits. No. 1,103,993; July 21; Gaz. vol. 204; p. 703.
- Murray, Thomas E., and A. V. A. McHarg, New York, N. Y.; said McHarg assignor to said Murray. Electrically-controlled cut-out. No. 1,120,222; Dec. 8; Gaz. vol. 209; p. 493.
- Murray, Thomas E., and G. W. Christians, New York, N. Y.; said Christians assignor to said Murray. Fuse-switch. No. 1,087,971; Feb. 24; Gaz. vol. 199; p. 975.
- Murray, Thomas E., and A. W. H. Griepe, New York, N. Y.; said Griepe assignor to said Murray. Device for indicating condition of gas in refrigerating apparatus. No. 1,103,985; July 21; Gaz. vol. 204; p. 700.
- Murray, Thomas E., and A. W. H. Griepe, New York, N. Y.; said Griepe assignor to said Murray. Compressor-pump. No. 1,103,986; July 21; Gaz. vol. 204; p. 700.
- Murray, Thomas E., and A. W. H. Griepe, New York, N. Y.; said Griepe assignor to said Murray. Refrigerating apparatus. No. 1,120,220; Dec. 8; Gaz. vol. 209; p. 493.
- Murray, Thomas E., Jr., Brooklyn, assignor to T. E. Murray, New York, N. Y. Electric fuse. No. 1,120,226; Dec. 8; Gaz. vol. 209; p. 495.
- Murray, V. A., et al. (See McConnell, John H., assignor.)
- Murray, Vinton L. (See Jenkins and Murray.)
- Murray, William A., Los Angeles, Cal. Pull-tension truss. No. 1,092,783; Apr. 7; Gaz. vol. 201; p. 226.
- Murray, William C., Corry, Pa. Bedstead corner-fastener. No. 1,116,906; Nov. 10; Gaz. vol. 208; p. 541.
- Murray, William H., Harrison, N. Y. Chain-support. No. 1,084,813; Jan. 20; Gaz. vol. 198; p. 577.
- Murrian, William S. (See Boyden, Nathaniel N., assignor.)
- Murrian, William S., trustee. (See Brown, William S., assignor.) (Reissue.)
- Murrian, William S., trustee. (See Vissering and Carpenter, assignors.)
- Murta, Samuel, St. Louis, Mo. Traction-engine. No. 1,083,555; Jan. 6; Gaz. vol. 198; p. 98.
- Murtha, Timothy J., New York, N. Y. Compound for treating glass surfaces. No. 1,095,663; May 5; Gaz. vol. 202; p. 167.

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- Muscatine Pearl Novelty Company. (See Di Gianni, Frank, assignor.)
- Musgrove, Arthur S., Pittsfield, Mass., assignor to Scott & Williams, Incorporated, Philadelphia, Pa. Knitting-machine. No. 1,095,164; Apr. 28; Gaz. vol. 201; p. 1174.
- Musgrove Howard and Co. Corporation. (See Musgrove and Howard, assignors.)
- Musgrove, Roy M., and F. R. Howard, Salt Lake City, Utah. Grease-cup. No. 1,106,153; Aug. 4; Gaz. vol. 205; p. 199.
- Musgrove, Roy M., Salt Lake City, Utah, and F. R. Howard, Pocatello, Idaho, assignors to Musgrove Howard and Co. Corporation, Salt Lake City, Utah. Main-rod connection. No. 1,120,519; Dec. 8; Gaz. vol. 209; p. 597.
- Muslay, Julius. (See Viz and Muslay.)
- Musselman, Philip K., Dublin, Pa. Cable-support. No. 1,084,225; Jan. 13; Gaz. vol. 198; p. 353.
- Musselman, Philip K., Dublin, Pa. Carrier. No. 1,084,951; Jan. 20; Gaz. vol. 198; p. 622.
- Musselman, Philip K., Dublin, Pa. Carrier. No. 1,084,952; Jan. 20; Gaz. vol. 198; p. 623.
- Mussinan, Oscar, New York, N. Y. Vehicle-tire. No. 1,091,379; Mar. 24; Gaz. vol. 200; p. 1047.
- Mustard, David N., Pregann, S. C. Root-cutter. No. 1,120,227; Dec. 8; Gaz. vol. 209; p. 495.
- Muste, Leonard, Grand Rapids, Mich. Stoneworking-machine. No. 1,091,949; Mar. 31; Gaz. vol. 200; p. 1288.
- Muth, John, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Envelop-sealing attachment for stapling-machines. No. 1,109,355; Sept. 1; Gaz. vol. 206; p. 178.
- Muther, Lorenz. (See Glines, Frederick S., assignor.)
- Muther, Lorenz, West Newton, Mass. Device for setting eyelets in flexible material. No. 1,112,643; Oct. 6; Gaz. vol. 207; p. 83.
- Muther, Lorenz, Boston, Mass., and W. F. Lautenschlager, Cincinnati, Ohio; said Lautenschlager assignor to said Muther. Skiving-machine. No. 1,091,753; Mar. 31; Gaz. vol. 200; p. 1219.
- Muther, Lorenz, West Newton, and W. M. Sprye, Lynn, Mass.; said Sprye assignor to said Muther. Device for mounting the feed-disk in skiving-machines. No. 1,092,122; Mar. 31; Gaz. vol. 200; p. 1345.
- Muther, Lorenz, Newton, and F. S. Glines, Lynn, Mass.; said Glines assignor to said Muther. Folding-machine. No. 1,092,123; Mar. 31; Gaz. vol. 200; p. 1346.
- Muzzy, William H., Dayton, Ohio. Tractor-swing. No. 1,121,029; Dec. 15; Gaz. vol. 209; p. 825.
- Muzzy, William H., assignor to The National Cash Register Company, Dayton, Ohio. Printing attachment for slot-machines. No. 1,087,252; Feb. 17; Gaz. vol. 199; p. 679.
- Muzzy, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,109,697; Sept. 8; Gaz. vol. 206; p. 338.
- Muzzy, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,114,794; Oct. 27; Gaz. vol. 207; p. 969.
- Muzzy, William H., assignor to The National Cash Register Company, Dayton, Ohio. Combined cash-register and scale. No. 1,117,224; Nov. 17; Gaz. vol. 208; p. 691.
- Muzzy, William H., New York, N. Y., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,118,144; Nov. 24; Gaz. vol. 208; p. 1053.
- Myatt, William J., Birmingham, England. Blade-holder of safety-razors. No. 1,087,544; Feb. 17; Gaz. vol. 199; p. 780.
- Mycue, William O., Niagara Falls, N. Y. Carbureter. No. 1,109,356; Sept. 1; Gaz. vol. 206; p. 178.
- Myers, Adolph and L., Birmingham, England. Pen or pencil holder. No. 1,102,350; July 7; Gaz. vol. 204; p. 45.
- Myers and Brother, F. E. (See Myers, Philip A., assignor.)
- Myers, Carmon A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Demountable vehicle-rim. No. 1,109,173; Sept. 1; Gaz. vol. 206; p. 112.
- Myers, Charles A., South Greenfield, Mo. Draft device. No. 1,092,077; Mar. 31; Gaz. vol. 200; p. 1329.
- Myers, Charles E. (See Savignac and Myers.)
- Myers, Charles E., Detroit, Mich. Inflatable-tire protector. No. 1,117,691; Nov. 17; Gaz. vol. 208; p. 856.
- Myers, Charles H., Buffalo, N. Y. Carbureter. No. 1,093,718; Apr. 21; Gaz. vol. 201; p. 621.
- Myers, Charles M., Sperry, Okla. Valved piston. No. 1,116,467; Nov. 10; Gaz. vol. 208; p. 382.
- Myers, Charles R. (See Stedman, Kopp, and Myers.)
- Myers, Chester J., Cortland, N. Y. Nozzle. No. 1,112,311; Sept. 29; Gaz. vol. 206; p. 1372.
- Myers, David M., New York, N. Y. Boiler-tube cleaner. No. 1,084,468; Jan. 13; Gaz. vol. 198; p. 429.
- Myers, David M., Chaseley, assignor to Myers Manufacturing Company, Fargo, N. D. Hay and grain loader. No. 1,105,916; Aug. 4; Gaz. vol. 205; p. 115.
- Myers, Edgar W., assignor to Euterpean Duplicator Company, San Jose, Cal. Duplicating-machine for making perforated music-sheets, &c. No. 1,091,439; Mar. 24; Gaz. vol. 200; p. 1066.
- Myers, Edgar W., assignor to Rudolph-Myers Manufacturing Co., San Jose, Cal. Change-speed mechanism for motor-cycles. No. 1,113,814; Oct. 13; Gaz. vol. 207; p. 533.
- Myers, Edward C., Waynesboro, Va. Stationery. No. 1,084,027; Jan. 13; Gaz. vol. 198; p. 284.
- Myers, Edward G., and J. W. Carrier, Lincoln, Ill. Liquid-fuel burner. No. 1,115,722; Nov. 3; Gaz. vol. 208; p. 87.
- Myers, Edwin J., Toppenish, Wash. Metallic tie and rail-fastener. No. 1,099,265; June 9; Gaz. vol. 203; p. 349.
- Myers, George F. (See Kortum, Albert, assignor.)
- Myers, Harry J. (See Martin and Myers.)
- Myers, Henry, Indianapolis, Ind. Burial-casket covering. No. 1,100,392; June 16; Gaz. vol. 203; p. 776.
- Myers, Hubert A., Toledo, Ohio. Light-controller. No. 1,099,715; June 9; Gaz. vol. 203; p. 505.
- Myers, Hubert A., assignor of one-half to A. A. Atwood, Toledo, Ohio. Gear-shifting mechanism. No. 1,102,787; July 7; Gaz. vol. 204; p. 197.
- Myers, Hubert A., assignor of one-half to A. A. Atwood, Toledo, Ohio. Motor-vehicle gear-shifter. No. 1,107,827; Aug. 18; Gaz. vol. 205; p. 877.
- Myers, Hubert A., assignor of one-half to A. A. Atwood, Toledo, Ohio. Mechanism for shifting gears. No. 1,114,631; Oct. 20; Gaz. vol. 207; p. 858.
- Myers, Hubert A., Goshen, Ind., assignor of one-half to A. S. Hickok, Toledo, Ohio. Adjustable antifriction-bearing. No. 1,122,986; Dec. 29; Gaz. vol. 209; p. 1581.
- Myers, Hubert A., Goshen, Ind., assignor of one-half to A. S. Hickok, Toledo, Ohio. Antifriction-bearing. No. 1,122,987; Dec. 29; Gaz. vol. 209; p. 1581.
- Myers, Jennie C., Palestine, Tex. Catamenial appliance. No. 1,122,988; Dec. 29; Gaz. vol. 209; p. 1582.
- Myers, John H., Kenmore, N. Y. Rotary pump. No. 1,093,005; Apr. 14; Gaz. vol. 201; p. 337.
- Myers, John H., Buffalo, N. Y. Rotary pump. No. 1,102,288; July 7; Gaz. vol. 204; p. 23.
- Myers, Joseph R., Chicago, Ill. Folding box. No. 1,096,118; May 12; Gaz. vol. 202; p. 357.
- Myers, Josiah M. (See Nicholas and Myers.)
- Myers, Laura S., Pen Mar, Pa. Curtain-pole lifter. No. 1,120,962; Dec. 15; Gaz. vol. 209; p. 801.
- Myers, Leopold. (See Myers, Adolph and L.)
- Myers, Leopold, Birmingham, England. Letter-clip. No. 1,122,628; Dec. 29; Gaz. vol. 209; p. 1454.
- Myers, Lewis C. (See Hess and Myers.)
- Myers, Lewis C., Brooklyn, assignor, by mesne assignments, to Royal Typewriter Company, Inc., New York, N. Y. Ribbon mechanism for type-writing machines. No. 1,084,656; Jan. 20; Gaz. vol. 198; p. 521.
- Myers, Lewis C., Brooklyn, assignor, by mesne assignments, to Royal Typewriter Company, Inc., New York, N. Y. Ribbon mechanism for type-writing machines. No. 1,088,790; Mar. 3; Gaz. vol. 200; p. 40.
- Myers, Lewis C., assignor, by mesne assignments, to Royal Typewriter Company, Inc., New York, N. Y. Type-writing machine. No. 1,092,380; Apr. 7; Gaz. vol. 201; p. 88.
- Myers, Lewis C., Brooklyn, assignor, by mesne assignments, to Royal Typewriter Company, Inc., New York, N. Y. Type-writing machine. No. 1,094,162; Apr. 21; Gaz. vol. 201; p. 768.
- Myers, Lewis C., Brooklyn, assignor, by mesne assignments, to Royal Typewriter Company, Inc., New York, N. Y. Type-writing machine. No. 1,108,926; Sept. 1; Gaz. vol. 206; p. 23.
- Myers, Loring W., Lubec, Me. Surf-anchor. No. 1,110,507; Sept. 15; Gaz. vol. 206; p. 667.
- Myers, Louis, Newark, N. J., assignor to The New York Safety Chest Company, New York, N. Y. Safety-chest. No. 1,122,021; Dec. 22; Gaz. vol. 209; p. 1209.
- Myers, Louis E., Chicago, Ill., assignor, by mesne assignments, to The Anglo-California Trust Company, trustee, San Francisco, Cal. Miniature Panama Canal. No. 1,096,119; May 12; Gaz. vol. 202; p. 358.
- Myers, Lucy O. (See Myers, Matthew J., assignor.)
- Myers, Lucy O., administratrix. (See Myers, Matthew J.)
- Myers Manufacturing Company. (See Myers, David M., assignor.)
- Myers, Martin J., New York, N. Y. Fastening device. No. 1,093,643; Apr. 21; Gaz. vol. 201; p. 594.
- Myers, Matthew J., deceased, L. O. Myers, administratrix, assignor, by mesne assignments, to L. O. Myers, Syracuse, N. Y. Instrument for locating breaks and grounds in electric wires. No. 1,095,284; May 5; Gaz. vol. 202; p. 38.
- Myers, Philip A., assignor to F. E. Myers and Brother, Ashland, Ohio. Pump. No. 1,098,520; June 2; Gaz. vol. 203; p. 57.
- Myers, Philip A., assignor to F. E. Myers and Brother, Ashland, Ohio. Hay-rack. No. 1,113,469; Oct. 13; Gaz. vol. 207; p. 413.
- Myers, Philip A., assignor to F. E. Myers and Brother, Ashland, Ohio. Spray-nozzle. No. 1,121,654; Dec. 22; Gaz. vol. 209; p. 1078.
- Myers, Ralph M., Muir, Mich. Medicine-dropper. No. 1,116,833; Nov. 10; Gaz. vol. 208; p. 516.
- Myers, Reuben J., Mount Joy, Pa. Gas sad-iron. No. 1,108,868; Aug. 25; Gaz. vol. 205; p. 1286.
- Myers, Robert K., Cleveland, Ohio. Rug-fastener. No. 1,101,318; June 23; Gaz. vol. 203; p. 1148.

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- Myers, Samuel D. (See Harcourt, Harry S., assignor.)
 Myers, Sidney A., assignor of one-half to B. H. Coon, Joplin, Mo. Starting device for internal-combustion engines. No. 1,115,962; Nov. 3; Gaz. vol. 208; p. 169.
 Myers, Stephen D., Carrollton, Tex. Rail-joint shock-absorber. No. 1,109,862; Sept. 8; Gaz. vol. 206; p. 396.
 Myers, Sylvester D., *et al.* (See Hughes, Hugh T., assignor.)
 Myers, Waldow F., Fostoria, Ohio. Bolt-lock. No. 1,087,041; Feb. 10; Gaz. vol. 199; p. 552.
 Myers, William H., Mount Clinton, Va. Fruit-press charger. No. 1,106,234; Aug. 4; Gaz. vol. 205; p. 225.
 Myers, Wilson F. (See Johnston and Myers.)
 Mygatt, Otis A., Paris, France. Prismatic glass reflector. No. 1,092,114; Mar. 31; Gaz. vol. 200; p. 1342.
 Mygatt, Otis A., New York, N. Y. Pressed-glass structure. No. 1,093,350; Apr. 14; Gaz. vol. 201; p. 456.
 Mygatt, Otis A., New York, N. Y. Glassware. No. 1,093,719; Apr. 21; Gaz. vol. 201; p. 621.
 Mygatt, Otis A., New York, N. Y. Glass structure. No. 1,097,042; May 19; Gaz. vol. 202; p. 717.
 Mygatt, Otis A., New York, N. Y. Glassware. No. 1,097,349; May 19; Gaz. vol. 202; p. 826.
 Mygatt, Otis A., New York, N. Y. Pressed or molded glassware. No. 1,101,035; June 23; Gaz. vol. 203; p. 1051.
 Mygatt, Otis A., New York, N. Y. Reflector-cluster. No. 1,105,038; July 28; Gaz. vol. 204; p. 1113.
 Mygatt, Otis A., New York, N. Y. Glass globe and reflector. No. 1,111,400; Sept. 22; Gaz. vol. 206; p. 1020.
 Mygatt, Otis A., New York, N. Y. Prism glass reflector for artificial lights. No. 1,120,963; Dec. 15; Gaz. vol. 209; p. 801.
 Myles, James L., Haddon Heights, N. J., and W. L. Geddes, Overbrook, Pa. Carton. No. 1,083,694; Jan. 6; Gaz. vol. 198; p. 144.
 Myre, Charles F., and J. P. Hebert, Chippewa Falls, Wis. Aseptic thermometer-holder. No. 1,103,371; July 14; Gaz. vol. 204; p. 446.
 Myrholm, Peder, assignor of one-half to A. H. Norvold, Volga, S. D. Trunk structure. No. 1,090,745; Mar. 17; Gaz. vol. 200; p. 799.
 Myrick, Lester W., Gardiner, Oreg. Grinding-machine for band-saws. No. 1,104,698; July 21; Gaz. vol. 204; p. 946.
 Myself, William C. (See Fisher, Francis L., assignor.)
 Mysliwicz, Michael, Wehrum, Pa. Coal-cutting machine. No. 1,116,907; Nov. 10; Gaz. vol. 208; p. 541.
 Myszkier, Maxymilian J., Buffalo, N. Y. Music-leaf turner. No. 1,087,042; Feb. 10; Gaz. vol. 199; p. 552.
 N-M-C-R Company. (See Davids, Charles H., assignor.)
 N. V. Nederlandsche Kunstzijdefabriek. (See Hartogs, Jacques C., assignor.)
 N-W Equipment Co. (See Banks, William C., assignor.)
 Naamlooze Vennootschap Algemeene Uitvinding Exploitation Maatschappij. (See Adler, Rudolf, assignor.)
 Naamlooze Vennootschap Briquet Company (Briquet Maatschappij). (See Van Hall, Basenau, and Van Haagen, assignors.)
 Naamlooze Vennootschap Hollandsche Zijde Maatschappij. (See Timpe, Herman, assignor.)
 Naatz, Hermann, Bitterfeld, assignor to Luft-Fahrzeug-Gesellschaft, m. b. H., Berlin, Germany. Suspension of cars of airships. No. 1,087,134; Feb. 17; Gaz. vol. 199; p. 636.
 Naatz, Hermann, Bitterfeld, assignor to Luft-Fahrzeug-Gesellschaft m. b. H., Berlin, Germany. Reinforcement of the supporting-bodies or envelopes of airships. No. 1,100,762; June 23; Gaz. vol. 203; p. 954.
 Nabb, Charles E., North Bend, Oreg. Baling-press. No. 1,096,051; May 12; Gaz. vol. 202; p. 335.
 Nabors, Harrison B. (See Rives and Nabors.)
 Nabstedt, Arthur T., New York, N. Y. Sewage-disposal and water-purification apparatus. No. 1,115,857; Nov. 3; Gaz. vol. 208; p. 133.
 Nace, John P., Kansas City, Mo. Erasing attachment for writing instruments. No. 1,121,753; Dec. 22; Gaz. vol. 209; p. 1112.
 Nachod, Carl P., Philadelphia, Pa. Electric signaling system. No. 1,108,927; Sept. 1; Gaz. vol. 206; p. 23.
 Nachod, Carl P., Philadelphia, Pa. Signaling system for high-voltage railways. No. 1,111,851; Sept. 29; Gaz. vol. 206; p. 1215.
 Nadeau, Joseph O., Cochrane, Ontario, Canada. Shoe-lacing device. No. 1,090,333; Mar. 17; Gaz. vol. 200; p. 659.
 Nadrowski, Edmond, Newark, N. J. Churn. No. 1,107,828; Aug. 18; Gaz. vol. 205; p. 878.
 Nafziger, Leo S., assignor to Sheet Metal Specialty Company, Goshen, Ind. Extension and roof for silos. No. 1,102,201; June 30; Gaz. vol. 203; p. 1507.
 Nagel, Firm of A. W. (See Bisdorf, Wilhelm, assignor.)
 Nagel, Carl, Ghesmarode, Brunswick, Germany. Weighing or measuring apparatus. No. 1,092,741; Apr. 7; Gaz. vol. 201; p. 212.
 Nagel, Gustav, Stuttgart, Germany. Make and break sparking-plug. No. 1,095,664; May 5; Gaz. vol. 202; p. 168.
 Nagel, Harry L., St. Louis, Mo. Stamp. No. 1,121,940; Dec. 22; Gaz. vol. 209; p. 1180.
 Nagel, Ludwig, Hackney, London, England. Fastener for corrugated iron sheets and the like. No. 1,102,068; June 30; Gaz. vol. 203; p. 1461.
 Nagle, Margaret, Roxbury, Mass. Ash-barrel holder. No. 1,091,008; Mar. 24; Gaz. vol. 200; p. 922.
 Nagle Re Blade Knife Company. (See Weckbaugh, Joseph V., assignor.)
 Nagle Re Blade Knife Company. (See Yerzley, William A., assignor.)
 Nagler, William, assignor to J. H. McNamara Trunk Works, Chicago, Ill. Wardrobe-trunk. No. 1,116,610; Nov. 10; Gaz. vol. 208; p. 436.
 Naglo, Robert, Wiesbaden, Germany. Camera-holder. No. 1,103,814; July 14; Gaz. vol. 204; p. 601.
 Nagy, John. (See Partmann, Johan, assignor.)
 Nagy, John R., Martins Ferry, Ohio. Tie and rail-fastener. No. 1,092,661; Apr. 7; Gaz. vol. 201; p. 185.
 Nagy, John R., Martins Ferry, Ohio. Rail-joint. No. 1,098,829; June 2; Gaz. vol. 203; p. 159.
 Nagy, Lajos. (See Balogh and Nagy.)
 Nagy, Sandor. (See Jenoi and Nagy.)
 Nagy, Steve, Delray, Mich. Wheel toy. No. 1,091,950; Mar. 31; Gaz. vol. 200; p. 1289.
 Nail, Louis L., Jourdanon, Tex. Machine for destroying insects. No. 1,122,410; Dec. 29; Gaz. vol. 209; p. 1377.
 Nairn Linoleum Company, The. (See Batten, Edward, assignor.)
 Nairne, James D., assignor to C. T. Adams, Alhambra, Cal. Means for separating heavy and light comminuted materials. No. 1,088,443; Feb. 24; Gaz. vol. 199; p. 1136.
 Naiser, John, Sr., Taiton, Tex. Fence-post. No. 1,092,942; Apr. 14; Gaz. vol. 201; p. 316.
 Nall, Edward. (See Kline and Nall.)
 Nall, Edward. (See Tyler and Nall.)
 Nall, Edward, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Reel. No. 1,120,520; Dec. 8; Gaz. vol. 209; p. 598.
 Nall, Edward, and W. C. Tyler, assignors to The Goodyear Tire and Rubber Company, Akron, Ohio. Skiving-machine. No. 1,111,170; Sept. 22; Gaz. vol. 206; p. 942.
 Nall, Edward, and W. C. Tyler, assignors to The Goodyear Tire and Rubber Company, Akron, Ohio. Skiving-machine. No. 1,116,101; Nov. 3; Gaz. vol. 208; p. 218.
 Nally, Venice F., Charleston, W. Va. Nut-lock. No. 1,105,095; July 28; Gaz. vol. 204; p. 1134.
 Nance, Belle J. (See Collins, Albert K., assignor.)
 Nangle, John D. (See Wyckoff and Nangle.)
 Napier, Peter. (See Fidler and Napier.)
 Narragansett Machine Company. (See Thornley, Albert J., assignor.)
 Narrow Fabric Corporation. (See Buchanan, John J., assignor.)
 Nary, Charles E., Georgetown, Ind. Sanitary milk-protector. No. 1,114,632; Oct. 20; Gaz. vol. 207; p. 858.
 Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Yoke for draft-gears. No. 1,083,335; Jan. 6; Gaz. vol. 198; p. 25.
 Nash, Charles J., assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Draft-gear yoke. No. 1,085,288; Jan. 27; Gaz. vol. 198; p. 775.
 Nash, Charles J., assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Draft-rigging. No. 1,109,005; Sept. 1; Gaz. vol. 206; p. 53.
 Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Spring-retaining plate for draft-gears. No. 1,121,278; Dec. 15; Gaz. vol. 209; p. 911.
 Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Draft-arm. No. 1,122,530; Dec. 29; Gaz. vol. 209; p. 1420.
 Nash, Charles J., assignor, by mesne assignments, to W. H. Miner, Chicago, Ill. Draw-bar yoke and draw-bar-yoke connection for draft-rigging. No. 1,086,073; Feb. 3; Gaz. vol. 199; p. 178.
 Nash, Charles J., assignor, by mesne assignments, to W. H. Miner, Chicago, Ill. Draft-rigging for single center-sill cars. No. 1,093,797; Apr. 21; Gaz. vol. 201; p. 645.
 Nash Engineering Company. (See Nash, Lewis H., assignor.)
 Nash, Frederick J., Somerville, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,087,602; Feb. 17; Gaz. vol. 199; p. 800.
 Nash, Frederick J., Somerville, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Skiving-machine. No. 1,090,164; Mar. 17; Gaz. vol. 200; p. 600.
 Nash, Frederick J., Somerville, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Stop mechanism. No. 1,093,588; Apr. 14; Gaz. vol. 201; p. 531.
 Nash, Frederick J., Somerville, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,101,208; June 23; Gaz. vol. 203; p. 1111.
 Nash, George H., Highbury, London, England, assignor to Western Electric Company, New York, N. Y. Cover for telephonic apparatus. No. 1,084,657; Jan. 20; Gaz. vol. 198; p. 521.
 Nash, H. C. (See O'Connor, Charles B., assignor.)
 Nash, Harry C. (See Thebaud, John E., assignor.)
 Nash, Harry D., Topeka, Kans. Pipe-cutter. No. 1,117,225; Nov. 17; Gaz. vol. 208; p. 692.
 Nash, John A., Butler, Pa. Switch-locking device. No. 1,106,154; Aug. 4; Gaz. vol. 205; p. 199.

Alphabetical list of patentees—Continued.

- Nash, Lewis H., South Norwalk, Conn. Water-meter. No. 1,103,612; July 14; Gaz. vol. 204; p. 531.
- Nash, Lewis H., assignor to Nash Engineering Company, New York, N. Y. Pump and air-compressor. No. 1,091,529; Mar. 31; Gaz. vol. 200; p. 1142.
- Nash, Lewis H., South Norwalk, Conn., assignor to Nash Engineering Company. Turbo-displacement engine. No. 1,094,919; Apr. 28; Gaz. vol. 201; p. 1088.
- Nash, Thomas J., Lincoln, Nebr. Toy gun. No. 1,094,237; Apr. 21; Gaz. vol. 201; p. 792.
- Nash, Thomas J., Lincoln, Nebr. Griddle. No. 1,107,987; Aug. 18; Gaz. vol. 205; p. 932.
- Nash, Walter D., Atlanta, assignor to Atlanta Utility Works, East Point, Ga. Cotton-seed huller. No. 1,116,611; Nov. 10; Gaz. vol. 208; p. 436.
- Nashawena Mills. (See Grime, Thomas, assignor.)
- Nashua Card Gummed & Coated Paper Company. (See Arnold, Frank K., assignor.)
- Nashua Card Gummed & Coated Paper Company. (See Phillips, William H., assignor.)
- Nashua Card Gummed and Coated Paper Company. (See Watson, George W., assignor.)
- Nashua Manufacturing Company. (See Eaton, Willie G., assignor.)
- Nasinec, John G., (now by judicial change of name John G. Nasin,) St. Paul, Minn. Ejector. No. 1,108,104; Aug. 18; Gaz. vol. 205; p. 974.
- Nassauer, Julius, New York, N. Y., assignor to Ohio Comb & Novelty Company, Doylestown, Ohio. Comb-cleaner. No. 1,089,070; Mar. 3; Gaz. vol. 200; p. 135.
- Nassie, Fred A., *et al.* (See Smith, Stephen P., assignor.)
- Nassoly, Leonard E. (See Sweeney, Michael, assignor.)
- Nast, Georg, assignor to Maschinenfabrik München, Kommanditgesellschaft, Munich, Germany. Cutting-machine. No. 1,091,890; Mar. 31; Gaz. vol. 200; p. 1268.
- Nathan, Frederic L., W. Rintoul, and F. Baker, Stevenson, Scotland, assignors to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Explosive. No. 1,090,641; Mar. 17; Gaz. vol. 200; p. 768.
- Nathan, Frederic L., W. Rintoul, and F. Baker, Stevenson, Scotland, assignors to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Explosive. No. 1,090,642; Mar. 17; Gaz. vol. 200; p. 768.
- Nathan, Frederic L., W. Rintoul, and F. Baker, Stevenson, Scotland, assignors to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Explosive. No. 1,090,643; Mar. 17; Gaz. vol. 200; p. 768.
- Nathan, Frederic L., W. Rintoul, and F. Baker, Stevenson, Scotland, assignors to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Explosive. No. 1,090,644; Mar. 17; Gaz. vol. 200; p. 768.
- Nathan, John, Coutolene, Cal. Non-refillable bottle. No. 1,087,043; Feb. 10; Gaz. vol. 199; p. 553.
- Nathan Manufacturing Co. (See Wood, Robert, assignor.)
- Nathan Manufacturing Company, The. (See Kassander, Leopold, assignor.)
- Nathan Manufacturing Company. (See Morse, Albert W., assignor.)
- Nathan Manufacturing Company. (See Neville, Harry, assignor.)
- Nathan Manufacturing Company, The. (See Wollheim, Walter E., assignor.)
- Nathoo, Charles A., Des Moines, Iowa. Douche-cabinet. No. 1,085,695; Feb. 3; Gaz. vol. 199; p. 41.
- Nathorst, Harry J. H., Malmberget, Sweden. Magnetic separator. No. 1,105,293; July 28; Gaz. vol. 204; p. 1202.
- Nathorst, Harry J. H., and G. Lundström, Gellivare Malmfält, Malmberget, assignors, by mesne assignments, to Nya Aktiebolaget Altas, Stockholm, Sweden. Forming and sharpening drill-bits and the like. No. 1,094,807; Apr. 28; Gaz. vol. 201; p. 1050.
- National-Acme Manufacturing Company, The. (See Crandall, William, assignor.)
- National Acme Manufacturing Company, The. (See Hunter, Hugh M., assignor.)
- National Acme Manufacturing Company, The. (See Rindfleisch, Benjamin F., assignor.)
- National-Acme Manufacturing Company, The. (See Smith, Oscar A., assignor.)
- National-Acme Manufacturing Company, The. (See Trobeck, Enoch, assignor.)
- National Advertising & Demonstrating Company. (See Brown, Garrett, assignor.)
- National Advertograph Company, The. (See Patterson, Charles G., assignor.)
- National Advertograph Company Limited, The. (See Rice and Patterson, assignors.)
- National Auto Cycle Company. (See Hansen, Robert, assignor.)
- National Automatic Concaves and Tooth Company. (See Anderson, August, assignor.)
- National Automatic Level and Instrument Company, The. (See Moonen, Arnold J., assignor.)
- National Automatic Tool Company, The. (See Busch, Edward, assignor.)
- National Automatic Typewriter Company, The. (See McCall, Thomas A., assignor.)
- National Binding Machine Company. (See Brownson, Earl L., assignor.)
- National Binding Machine Company. (See Foote, Theodore M., assignor.)
- National Biscuit Company. (See Ferrall and Mackay, assignors.)
- National Blank Book Company. (See Elder, Edward H., assignor.)
- National Blank Book Company. (See Merwin, John C., assignor.)
- National Book Cover Company, The. (See Davis, Frederick H., assignor.)
- National Bottle Cap Company. (See Jackson, Clarence S., assignor.)
- National Brake Company. (See Brewster, William D., assignor.)
- National Brass Mfg. Co. (See Wray, Charles F., assignor.)
- National Briquetting and Clay Working Machinery Company, The. (See Fernholtz, Emil, assignor.)
- National Can Company. (See Canby, Amos G., assignor.)
- National Carbon Co. (See Bemis, Arthur S., assignor.)
- National Carbon Co. (See Wilker, Arthur V., assignor.)
- National Carbon Company. (See Brown, John W., assignor.)
- National Carbon Company. (See Clark, Emerson L., assignor.)
- National Carbon Company. (See Fleming, Samuel H., assignor.)
- National Carbon Company. (See Gillingham, Charles A., assignor.)
- National Carbon Company. (See Hinckley, Arthur T., assignor.)
- National Carbon Company. (See Seabury, Ralph L., assignor.)
- National Carbon Company. (See Shaw, William, assignor.)
- National Carbon Company. (See Waitt, Walter G., assignor.)
- National Cash Register Co., The. (See Kettering, Charles F., assignor.)
- National Cash Register Company, The. (See Banwell, Henry C., assignor.)
- National Cash Register Company, The. (See Carroll, Thomas, assignor.)
- National Cash Register Company, The. (See Church, Edmund S., assignor.)
- National Cash Register Company, The. (See Cleal, Joseph P., assignor.)
- National Cash Register Company, The. (See Ellinwood, Clarence S., assignor.)
- National Cash Register Company, The. (See Fuller, Frederick L., assignor.)
- National Cash Register Company, The. (See Gruber, Louis, assignor.)
- National Cash Register Company, The. (See Hayward, Jonathan B., assignor.)
- National Cash Register Company, The. (See Heinitz, Woldemar R., assignor.)
- National Cash Register Company, The. (See Jacob, Max, assignor.)
- National Cash Register Company, The. (See Kenyon, Alan D., assignor.)
- National Cash Register Company, The. (See Kettering and Chryst, assignors.)
- National Cash Register Company, The. (See King, Vernon F., assignor.)
- National Cash Register Company, The. (See Leidigh, John J., assignor.)
- National Cash Register Company, The. (See Martin, Haakon A., assignor.)
- National Cash Register Company, The. (See McCarthy, William M., assignor.)
- National Cash Register Company, The. (See McCormick, John H., assignor.)
- National Cash Register Company, The. (See Müller, Friedrich, assignor.)
- National Cash Register Company, The. (See Muzzy, William H., assignor.)
- National Cash Register Company, The. (See Osborn, Francis C., assignor.)
- National Cash Register Company, The. (See Palmer, Charles, assignor.)
- National Cash Register Company, The. (See Von Pein, Edward J., assignor.)
- National Chain Company. (See Rosenberg, Samuel, assignor.)
- National Dump Car Company. (See Bowen, Herbert A., assignor.)
- National Dump Car Company. (See Caswell, William A., assignor.)
- National Dump Car Company. (See Hart and Seaberg, assignors.)
- National Dump Car Company. (See Hopkins, Frank H., assignor.)
- National Dump Car Company. (See Hosceit, William J., assignor.)
- National Dump Car Company. (See Morey, William E., assignor.)
- National Dump Car Company. (See Neikirk, John O., assignor.)
- National Dump Car Company. (See Seaberg, Frederick, assignor.)

Alphabetical list of patentees—Continued.

- National Dump Car Company. (See Zimmerman, Robert M., assignor.)
 National Egg Company. (See Clairemont, Victor, assignor.)
 National Electric Specialty Company, The. (See Chapman, Frank S., assignor.)
 National Electric Specialty Company, The. (See Chapman and Pingen, assignors.)
 National Electric Utilities Corporation. (See Rice, Merritt H., assignor.)
 National Electric Utilities Corporation. (See Van Glahn, Edward C., assignor.)
 National Electric Welder Company, The. (See McBerty, Frederick P., assignor.)
 National Electric Welder Company, The. (See Taylor, Albertis C., assignor.)
 National Enameling & Stamping Co. (See Knapp, George W., assignor.)
 National Enameling and Stamping Company. (See Schwartzburg, Edward H., assignor.)
 National Envelope Sealing and Stamping Manufacturing Company. (See Allen, Fred R., assignor.)
 National Equipment Company. (See Kihlgren, Theodor, assignor.)
 National Fibre Box Company. (See Walter, Harrison B., assignor.)
 National Fire Proofing Company. (See Merley, John, assignor.)
 National Fire Proofing Company. (See Sylvester, Louis F., assignor.)
 National Fuel Saver Corporation. (See Tucker, Harry G., assignor.)
 National Gas Process Company, The. (See Cochran, Joseph E., assignor.)
 National Graphite Lubrication Company. (See Watres, Reyburn, assignor.)
 National Handprint Press Company, The. (See Hatcher, Charles M., assignor.)
 National Hog Feeder Company. (See Bogle, Charles C., assignor.)
 National Incinerator Company. (See Shannon, Oscar M., assignor.)
 National Lock and Mfg. Co. (See Olson and Blood, assignors.)
 National Machine Corporation. (See Lilliston, Thomas M., assignor.) (Reissue.)
 National Machine Works. (See Levey, John, assignor.)
 National Machinery Co. (See Clouse, William L., assignor.)
 National Machinery Corporation. (See Curran, Edmund, assignor.)
 National Malleable Castings Company, The. (See Bazeley, Arthur J., assignor.)
 National Malleable Castings Company, The. (See Brooks, Chester K., assignor.)
 National Malleable Castings Company, The. (See Buckius, Albert O., Jr., assignor.)
 National Malleable Castings Company, The. (See Byers, Jacob J., assignor.)
 National Malleable Castings Company, The. (See Coffin, Walter E., assignor.)
 National Malleable Castings Company, The. (See Howard, Pliny J., assignor.)
 National Malleable Castings Company, The. (See Krakau, Harry T., assignor.)
 National Malleable Castings Company, The. (See Pope, Henry F., assignor.)
 National Malleable Castings Company, The. (See Schmidt, Ernest H., assignor.)
 National Malleable Castings Company, The. (See Stephenson, David C., assignor.)
 National Malleable Castings Company, The. (See Stephenson, John W., assignor.)
 National Malleable Castings Company, The. (See Trumper, Frederick J., assignor.)
 National Manufacturing Company. (See Bittorf, Louis A., assignor.)
 National Manufacturing and Steel Supply Company. (See Carter, Albert S., assignor.)
 National Match Company. (See Vaughan, Bernard G., assignor.)
 National Metal Fabric Company, The. (See Clark, Norris E., assignor.)
 National Metal Molding Company. (See Abbott, Chauncy W., assignor.)
 National Metal Molding Company. (See Gilson, Henry R., assignor.)
 National Metal Seal Corporation. (See Chellis, Eugene D., assignor.)
 National Metal Seal Corporation. (See Coughlin, Joseph D., assignor.)
 National Motor Supply Company, The. (See Meyer, Vernon H., assignor.)
 National Musical String Company. (See Biava, Louis, assignor.)
 National Patent Holding Company. (See Otis, Spencer, assignor.)
 National Piano Company. (See Tunstall, William B. and A. E., assignors.)
 National Piano Company. (See Watson, William A., assignor.)
 National Placer Machine Company. (See Anderson, Carl E. J., assignor.)
 National Pneumatic Action Co. (See Anderson, Ernst G., assignor.)
 National Pneumatic Action Co. (See Dehls, John C., assignor.)
 National Pneumatic Company. (See Gottschalk, Albert, assignor.)
 National Pneumatic Company. (See Rowntree, Harold, assignor.)
 National Printing Machine Company, The. (See Lister, Walter S., assignor.)
 National Quick Patch Company. (See Stivers, Jake M., assignor.)
 National Rapid Transit Company. (See Valentine, Walter D., assignor.)
 National Reflector Company, The. (See Hoover and Whitfield, assignors.)
 National Roll & Foundry Company, The. (See Kinter, Charles W., assignor.)
 National Safety Device Company, The. (See Morgan, Garrett A., assignor.)
 National Sewing Machine Company. (See Chapman, Theron W., assignor.)
 National Sewing Machine Company. (See Hohmann, Richard K., assignor.)
 National Sewing Machine Company. (See Smith, Albert D., assignor.)
 National Soap Holder Co. (See Henderson, James F., assignor.)
 National Spring Bed Company, The. (See Arnold, Harry B., assignor.)
 National Spring and Wire Co. (See King and Stevens, assignors.)
 National Standard Company. (See Bowers, Ernest C., assignor.)
 National-Standard Company. (See Larsen and Parkin, assignors.)
 National Steam Car Company, The. (See Clarkson and Morison, assignors.)
 National Steam Specialty Company. (See Brissenden, Walter W., assignor.)
 National Steel Tie Company. (See Hyle and Herman, assignors.)
 National Street and Station Indicator Company. (See Pace, Edgar J., assignor.)
 National Street and Station Indicator Company. (See Sweetland, Arthur H., assignor.)
 National Supply Company, The. (See Noftz, Harry R., assignor.)
 National Supply Company, The. (See Wright, Clyde S., assignor.)
 National Tube Company, The. (See Alderdice, Taylor, assignor.)
 National Tube Company. (See Baker, Hensen, and Mowat, assignors.)
 National Tube Company, The. (See Mowat, Oliver M., assignor.)
 National Tube Company, The. (See Pinkham, Frank L., assignor.)
 National Tube Company, The. (See Saunders, Augustus M., assignor.)
 National Twist Drill & Tool Company. (See Gervais, Joseph G., assignor.)
 National Wafer Company. (See Graves, Alfred E., assignor.)
 National Water Main Cleaning Company. (See Hodgman and Inglee, assignors.)
 National Wireless Telephone & Telegraph Co. (See Jahnke, Albert A., assignor.)
 National X-Ray Reflector Company. (See Hotchkin, Paul M., assignor.)
 National X-Ray Reflector Company. (See McKinnie, Earl C., assignor.)
 Naulty, Charles H., Jamestown, Miss. Saw-swage. No. 1,119,628; Dec. 1; Gaz. vol. 209; p. 251.
 Naumann, George L., assignor of one-third to W. F. Riley and one-third to H. Cradock, St. Louis, Mo. Ditching-machine. No. 1,100,604; June 16; Gaz. vol. 203; p. 846.
 Navarro, Everardo. (See Navarro, Manuel and E.)
 Navarro, Manuel and E., Celaya, Mexico. Hand-firearm. No. 1,113,239; Oct. 13; Gaz. vol. 207; p. 331.
 Naville, Oscar H., Ambia, Ind. Ratchet-head for post-hole diggers. No. 1,105,448; July 28; Gaz. vol. 204; p. 1259.
 Nay, Roy, Lebanon, Ind. Sanitary penholder. No. 1,112,467; Oct. 6; Gaz. vol. 207; p. 18.
 Naylor, Charles H., Rugby, England, assignor to General Electric Company. Elastic-fluid turbine. No. 1,110,508; Sept. 15; Gaz. vol. 206; p. 667.
 Naylor, George W. (See Geraghty and Naylor.)
 Naylor, George W., and L. F. Autry, Dunn, N. C. Saw-setting tool. No. 1,099,097; June 2; Gaz. vol. 203; p. 247.
 Naylor, Isaac, and H. B. Ruggles, Chicago, Ill. Container member. No. 1,085,091; Jan. 20; Gaz. vol. 198; p. 669.
 Naylor, Isaac, and H. B. Ruggles, Chicago, Ill., assignors to American Products Company, Portland, Me. Knock-down box. No. 1,095,345; May 5; Gaz. vol. 202; p. 59.

Alphabetical list of patentees—Continued.

- Naylor, James P., London, England. Electric display apparatus. No. 1,087,044; Feb. 10; Gaz. vol. 199; p. 553.
- Naylor, James P., London, England. Socket structure for electric incandescent lamps. No. 1,089,343; Mar. 3; Gaz. vol. 200; p. 227.
- Naylor, Lester O., assignor, by mesne assignments, to The Automatic Needlethreader Company, New York, N. Y. Sewing-machine-needle threader. No. 1,100,763; June 23; Gaz. vol. 203; p. 954.
- Naylor, Lester O., assignor to The Automatic Needlethreader Company, New York, N. Y. Sewing-machine-needle threader. No. 1,100,764; June 23; Gaz. vol. 203; p. 955.
- Nazel, John. (See Bates, Ralph E., assignor.)
- Nazel, John, and R. E. Bates, Philadelphia, Pa.; said Bates assignor to said Nazel. Fluid-power hammer. No. 1,084,707; Jan. 20; Gaz. vol. 198; p. 541.
- Neahr, Jacob E., New York, N. Y. Match-igniting device. No. 1,104,699; July 21; Gaz. vol. 204; p. 946.
- Neahr, Jacob E., New York, N. Y. Match-igniting device. No. 1,122,791; Dec. 29; Gaz. vol. 209; p. 1511.
- Neahr, Will C., Denver, Colo., assignor, by mesne assignments, to The Protective Signal Manufacturing Company. Circuit-closing instrument. No. 1,102,944; July 7; Gaz. vol. 204; p. 250.
- Neahr, Will C., Denver, Colo., assignor to The Protective Signal Manufacturing Company. Electric lock-switch. No. 1,115,092; Oct. 27; Gaz. vol. 207; p. 1076.
- Neal, Albert, Center, Ind. Lifting-jack. No. 1,100,903; June 23; Gaz. vol. 203; p. 1003.
- Neal, Charles W., assignor of two-thirds to W. Mitchell and one-third to S. M. Finklea, Cheraw, S. C. Lock-nut. No. 1,089,945; Mar. 10; Gaz. vol. 200; p. 485.
- Neal, Elgin F., Elgin, assignor of one-half to C. South, Watseka, Ill. Folding storm-door curtain for automobiles. No. 1,091,380; Mar. 24; Gaz. vol. 200; p. 1047.
- Neal, Elmer E., assignor to The New Departure Manufacturing Company, Bristol, Conn. Universal joint. No. 1,109,006; Sept. 1; Gaz. vol. 206; p. 53.
- Neal, Frank A. (See O'Neal, Frederick A., assignor.)
- Neal, Frank S., administrator. (See Lyons, John F.)
- Neal, Franklin G., Halifax, Nova Scotia, Canada. Roof construction. No. 1,112,717; Oct. 6; Gaz. vol. 207; p. 109.
- Neal, Spencer G., assignor to California Valve and Air Brake Company, Los Angeles, Cal. Compensating valve. No. 1,089,574; Mar. 10; Gaz. vol. 200; p. 356.
- Neal, Spencer G., assignor to California Valve and Air Brake Company, Los Angeles, Cal. Auxiliary-pressure-control valve. No. 1,089,575; Mar. 10; Gaz. vol. 200; p. 357.
- Neal, Spencer G., assignor to California Valve and Air Brake Company, Los Angeles, Cal. Compensating valve. No. 1,089,576; Mar. 10; Gaz. vol. 200; p. 357.
- Neal, Spencer G., assignor to California Valve and Air Brake Company, Los Angeles, Cal. Compensating valve. No. 1,089,577; Mar. 10; Gaz. vol. 200; p. 358.
- Neal, Spencer G., assignor to California Valve and Air Brake Company, Los Angeles, Cal. Compensating valve. No. 1,089,578; Mar. 10; Gaz. vol. 200; p. 358.
- Neal, Spencer G., assignor to California Valve and Air Brake Company, Los Angeles, Cal. Compensating valve. No. 1,089,579; Mar. 10; Gaz. vol. 200; p. 359.
- Neal, Spencer G., assignor to California Valve and Air Brake Company, Los Angeles, Cal. Auxiliary pressure-control valve. No. 1,091,754; Mar. 31; Gaz. vol. 200; p. 1219.
- Neal, W. R. (See McFarland, Charles M., assignor.)
- Neale, Harold J., assignor to Wright Wire Company, Worcester, Mass. Tree-guard. No. 1,109,779; Sept. 8; Gaz. vol. 206; p. 366.
- Near Side Car Company, The. (See Mitten, Philip J., assignor.)
- Near-Side Car Company, The. (See Senter, Ralph T., assignor.)
- Neary, James P. (See King and Neary.)
- Neary, William F., Milford, Conn. Safety device for firearms. No. 1,098,048; May 26; Gaz. vol. 202; p. 1115.
- Nebinger, Frank M. (See Fulmer and Nebinger.)
- Neble, John L., Omaha, Nebr. Automatic train-stopping system. No. 1,091,694; Mar. 31; Gaz. vol. 200; p. 1198.
- Nebuda, Edward J., Westpoint, Nebr. Hay-stacker. No. 1,099,190; June 9; Gaz. vol. 203; p. 324.
- Neckerman, William M., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Machine for threading pipe-couplings. No. 1,085,696; Feb. 3; Gaz. vol. 199; p. 41.
- Neckerman, William M., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Apparatus for making lapweld-pipes. No. 1,106,577; Aug. 11; Gaz. vol. 205; p. 391.
- Neckerman, William M., and C. A. Blice, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Threading-machine. No. 1,085,697; Feb. 3; Gaz. vol. 199; p. 41.
- Neder, John H., Baker, Oreg. Shock-absorber. No. 1,086,929; Feb. 10; Gaz. vol. 199; p. 516.
- Nedergaard, Rasmus P., Portland, Oreg. Door-hinge marker. No. 1,118,570; Nov. 24; Gaz. vol. 208; p. 1204.
- Nederland, John. (See Kameras and Nederland.)
- Nedoma, Charles L., assignor of one-half to J. H. Fletcher, San Francisco, Cal. Economizing fuel and preventing carbon deposits in explosive-engines. No. 1,108,608; Aug. 25; Gaz. vol. 205; p. 1197.
- Needham, Charles E., Allentown, Pa., assignor to Bradley Pulverizer Company, Boston, Mass. Shaft-coupling for grinding-mills. No. 1,095,986; May 5; Gaz. vol. 202; p. 276.
- Needham, Forest. (See Barton, Melbourne, Needham, and Green.)
- Neel, James L., assignor of one-half to J. P. Winn, Cedar Rapids, Iowa. Recording device. No. 1,100,664; June 16; Gaz. vol. 203; p. 865.
- Neel, John H., Los Angeles, Cal. Therapeutic apparatus. No. 1,120,964; Dec. 15; Gaz. vol. 209; p. 802.
- Neeld, Charles M., Pittsburgh, Pa. Form or mold. No. 1,109,863; Sept. 8; Gaz. vol. 206; p. 396.
- Neelmeier, Wilhelm. (See Jordan and Neelmeier.)
- Neely, Charles, Ebensburg, Pa. Shingle-cutting machine. No. 1,092,381; Apr. 7; Gaz. vol. 201; p. 88.
- Neely, Samuel O., Shubuta, Miss. Plow-stock. No. 1,095,987; May 5; Gaz. vol. 202; p. 276.
- Neenan Elevator Company. (See Neenan, Michael E., assignor.)
- Neenan, Michael E., New York, N. Y., assignor to Neenan Elevator Company. Elevator-driving mechanism. No. 1,083,695; Jan. 6; Gaz. vol. 198; p. 145.
- Neenan, Michael E., assignor to Neenan Elevator Company, New York, N. Y. Elevator. No. 1,103,613; July 14; Gaz. vol. 204; p. 581.
- Neff, Abner R., Los Angeles, Cal. Electric cap-light. No. 1,093,287; Apr. 14; Gaz. vol. 201; p. 435.
- Neff, Charles A. (See Neff, John G. and C. A.)
- Neff, Edwin W., Munich, Germany. Grade-finder. No. 1,101,319; June 23; Gaz. vol. 203; p. 1149.
- Neff, Howard L. (See Lynch, William B., assignor.)
- Neff, John, Sr., West Hoboken, N. J. Clothes-line holder. No. 1,121,030; Dec. 15; Gaz. vol. 209; p. 825.
- Neff, John G. and C. A., Davey, Nebr. Ringer and secret-service device. No. 1,108,847; Aug. 25; Gaz. vol. 205; p. 1278.
- Neff, John P., East Orange, N. J. Circulating means for locomotive-boilers. No. 1,111,916; Sept. 29; Gaz. vol. 206; p. 1238.
- Neff, Peter, D. Cole, and E. L. Ebersole, assignors to The Arctic Ice Machine Company, Canton, Ohio. Ammonia-compressor. No. 1,092,943; Apr. 14; Gaz. vol. 201; p. 316.
- Nefgen, August. (See Jacobs and Nefgen.)
- Negley, Claude E., Indianapolis, Ind. Excavating-machine. No. 1,086,304; Feb. 3; Gaz. vol. 199; p. 252.
- Negovatch, Peter, assignor of one-third to I. Heidenheim and one-third to J. Stanovich, Biloxi, Miss. Apparatus for handling seines. No. 1,102,945; July 7; Gaz. vol. 204; p. 250.
- Neher, George F., Shelbyville, Ill. Ironing-board. No. 1,120,965; Dec. 15; Gaz. vol. 209; p. 802.
- Nehlsen, Hermann, Niederschönhausen, Germany, assignor to General Electric Company. Voltage-regulating means. No. 1,084,469; Jan. 13; Gaz. vol. 198; p. 429.
- Neider, Fred A., Augusta, Ky. Honing-support for safety-razor blades. No. 1,103,427; July 14; Gaz. vol. 204; p. 464.
- Neider, Fred A., assignor to The F. A. Neider Company, Augusta, Ky. Vehicle curtain-fastener. No. 1,113,677; Oct. 13; Gaz. vol. 207; p. 483.
- Neidich, Samuel A., Edgewater Park, N. J., assignor to The American Multigraph Company, Cleveland, Ohio. Inking apparatus. No. 1,088,717; Mar. 3; Gaz. vol. 200; p. 16.
- Neidich, Samuel A., Edgewater Park, N. J., assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,089,146; Mar. 3; Gaz. vol. 200; p. 164.
- Neidich, Samuel A., Edgewater Park, N. J., assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,089,147; Mar. 3; Gaz. vol. 200; p. 165.
- Neidich, Samuel A., Edgewater Park, N. J., assignor to The American Multigraph Company, Cleveland, Ohio. Printing-couple appliance. No. 1,089,148; Mar. 3; Gaz. vol. 200; p. 165.
- Neidich, Samuel A., Edgewater Park, N. J., assignor, by mesne assignments, to The American Multigraph Company, Cleveland, Ohio. Holder for printing-surfaces. No. 1,089,149; Mar. 3; Gaz. vol. 200; p. 166.
- Neidich, Samuel A., Edgewater Park, N. J., assignor to The American Multigraph Company, Cleveland, Ohio. Printing feeding mechanism. No. 1,089,150; Mar. 3; Gaz. vol. 200; p. 166.
- Neidich, Samuel A., Edgewater Park, N. J., assignor to The American Multigraph Company, Cleveland, Ohio. Type-case. No. 1,089,151; Mar. 3; Gaz. vol. 200; p. 167.
- Neidich, Samuel A., Edgewater Park, N. J., assignor to The American Multigraph Company, Cleveland, Ohio. Type-case. No. 1,119,859; Dec. 8; Gaz. vol. 209; p. 364.
- Neidich, Samuel A., Burlington, N. J., assignor to The American Multigraph Company, Cleveland, Ohio. Type-case. No. 1,091,237; Mar. 24; Gaz. vol. 200; p. 1003.

Alphabetical list of patentees—Continued.

- Neidich, Samuel A., Burlington, N. J., assignor to The American Multigraph Company, Cleveland, Ohio. Paper-feeding device. No. 1,122,792; Dec. 29; Gaz. vol. 209; p. 1511.
- Neidich, Samuel A., Burlington, N. J., assignor to The American Multigraph Company, Cleveland, Ohio. Automatic paper-feed. No. 1,122,793; Dec. 29; Gaz. vol. 209; p. 1512.
- Neidig Typewriter Co. (See Neidig, William J., assignor.)
- Neidig, William J., Madison, Wis., assignor, by mesne assignments, to Chicago Title and Trust Company, trustee. Type-writing machine. No. 1,087,045; Feb. 10; Gaz. vol. 199; p. 553.
- Neidig, William J., Madison, Wis., assignor, by mesne assignments, to Chicago Title and Trust Company, trustee. Type-writing machine. No. 1,093,798; Apr. 21; Gaz. vol. 201; p. 645.
- Neidig, William J., Madison, Wis., assignor, by mesne assignments, to Chicago Title and Trust Company, trustee. Type-writing machine. No. 1,110,641; Sept. 15; Gaz. vol. 206; p. 714.
- Neidig, William J., Madison, Wis., assignor, by mesne assignments, to Chicago Title and Trust Company, trustee. Type-writing machine. No. 1,111,401; Sept. 22; Gaz. vol. 206; p. 1020.
- Neidig, William J., Madison, Wis., assignor to Neidig Typewriter Co., Chicago, Ill. Type-writing machine. No. 1,112,408; Sept. 29; Gaz. vol. 206; p. 1407.
- Neidig, William J., Madison, Wis., assignor to Neidig Typewriter Co., Chicago, Ill. Type-writing machine. No. 1,113,163; Oct. 6; Gaz. vol. 207; p. 259.
- Neidig, William J., Madison, Wis., assignor to Neidig Typewriter Co., Chicago, Ill. Type-writing machine. No. 1,113,572; Oct. 13; Gaz. vol. 207; p. 448.
- Neidig, William J., Madison, Wis., assignor to Neidig Typewriter Co., Chicago, Ill. Type-writing machine. No. 1,114,633; Oct. 20; Gaz. vol. 207; p. 859.
- Neidig, William J., Madison, Wis., assignor to Neidig Typewriter Co., Chicago, Ill. Type-writing machine. No. 1,114,795; Oct. 27; Gaz. vol. 207; p. 970.
- Neidigh, Clyde S., Sumner, Ill. Safety-stirrup. No. 1,087,503; Feb. 17; Gaz. vol. 199; p. 766.
- Neighbors, Haden J., Roseburg, Oreg. Gage-hinge. No. 1,098,634; June 2; Gaz. vol. 203; p. 96.
- Neighbors, William P., Des Arc, Ark. Journal-box. No. 1,117,426; Nov. 17; Gaz. vol. 208; p. 762.
- Neighbour, Arthur G. L., Beaumaris, Victoria, Australia. Fluid-motor. No. 1,100,605; June 16; Gaz. vol. 203; p. 846.
- Neikirk, John O., Morgan Park, Ill., assignor to Rodger Ballast Car Company. Railway-car. No. 1,098,748; June 2; Gaz. vol. 203; p. 133.
- Neikirk, John O., Morgan Park, Ill., assignor to Rodger Ballast Car Company. Railway-car. No. 1,112,644; Oct. 6; Gaz. vol. 207; p. 83.
- Neikirk, John O., Morgan Park, Ill., assignor to National Dump Car Company, Chicago, Ill. Car-truck. No. 1,098,749; June 2; Gaz. vol. 203; p. 134.
- Neil, George. (See Barnes, Hagist, and Neil.)
- Neil, Joseph B., Filbert, assignor to South Carolina Cotton Picker Company, Yorkville, S. C. Cotton-picking machine. No. 1,121,592; Dec. 15; Gaz. vol. 209; p. 1021.
- Neil, Moses H. (See Schiared, Charles, assignor.)
- Neil, William, Jr., et al. (See Caufield, Frank E., Jr., assignor.)
- Neil, William H., Cincinnati, Ohio. Razor-blade sharpener. No. 1,112,827; Oct. 6; Gaz. vol. 207; p. 145.
- Neilan, John, Cleveland, Ohio. Water-heater. No. 1,115,006; Oct. 27; Gaz. vol. 207; p. 1045.
- Neill, James W., Pasadena, Cal. Gold-saving apparatus. No. 1,100,904; June 23; Gaz. vol. 203; p. 1004.
- Nelson, Robert J., and A. Campbell, Glasgow, Scotland. Ice-cream freezer. No. 1,121,122; Dec. 15; Gaz. vol. 209; p. 859.
- Neiman, Alvin B., assignor to Neiman Heater Co., Inc., New York, N. Y. Electric heat-radiator. No. 1,120,966; Dec. 15; Gaz. vol. 209; p. 802.
- Neiman Heater Co. (See Neiman, Alvin B., assignor.)
- Neiman, Samuel. (See Galluzzo, Francesco R., assignor.)
- Neis, Edward, assignor to William H. Miller & Company, Detroit, Mich. Garment-hanger. No. 1,116,612; Nov. 10; Gaz. vol. 208; p. 437.
- Neisler, Oscar L., Chicago, Ill. Internal-combustion engine. No. 1,110,336; Sept. 15; Gaz. vol. 206; p. 606.
- Neisler, Oscar L., Chicago, Ill. Knife and scissors grinder. No. 1,114,634; Oct. 20; Gaz. vol. 207; p. 859.
- Neldner, Konstance E., assignor of one-half to V. K. Neldner, Milwaukee, Wis. Cheese. No. 1,092,504; Apr. 7; Gaz. vol. 201; p. 132.
- Neldner, Vincent K. (See Neldner, Konstance E., assignor.)
- Nell, Fred. (See Priestman and Nell.)
- Nell, Gustave M., assignor of one-half to L. B. Hungerford, Denver, Colo. Adding-machine. No. 1,087,135; Feb. 17; Gaz. vol. 199; p. 636.
- Nell, Orville, Bridgeport, Ill. Automatic lock for railway-switches. No. 1,087,046; Feb. 10; Gaz. vol. 199; p. 554.
- Neller, Albert H., Fairfield, Iowa, and A. F. Lagemann, Quincy, Ill. Roller raising and lowering device. No. 1,123,199; Dec. 29; Gaz. vol. 209; p. 1657.
- Neller, Ernest T. (See Neller, John H. and E. T.)
- Neller, John H., Appleton, Wis., and E. T. Neller, Bakersfield, Cal. Grease-cup. No. 1,092,161; Apr. 7; Gaz. vol. 201; p. 13.
- Nellis, Clarence C., Cold Brook, N. Y. Ladder-shelf. No. 1,087,603; Feb. 17; Gaz. vol. 199; p. 801.
- Nelsen, Alfred N., Longbeach, assignor of one-half to H. J. Woods, Hollywood, Cal. Surf-coaster. No. 1,104,441; July 21; Gaz. vol. 204; p. 856.
- Nelsen, Thyge, Chicago, Ill. Electric-lamp fixture. No. 1,088,165; Feb. 24; Gaz. vol. 199; p. 1042.
- Nelson, A. S. (See Nicholson, Robert A., assignor.)
- Nelson, Adolph, McIntosh, Minn. Propeller-sled. No. 1,087,047; Feb. 10; Gaz. vol. 199; p. 554.
- Nelson, Albert H. (See Peterson and Nelson.)
- Nelson, Anton, Sauk Center, Minn. Wire-fastener. No. 1,115,329; Oct. 27; Gaz. vol. 207; p. 1157.
- Nelson, Arne T., Detroit, Mich. Adjustable multiple-spindle head for drill-presses. No. 1,083,696; Jan. 6; Gaz. vol. 198; p. 145.
- Nelson, Arne T., Detroit, Mich. Speed-reducing chuck for drill-presses. No. 1,110,455; Sept. 15; Gaz. vol. 206; p. 649.
- Nelson, Aron A., assignor to Acme Steel Goods Company, Chicago, Ill. Cleaning metals. No. 1,114,635; Oct. 20; Gaz. vol. 207; p. 859.
- Nelson, Arthur A., Iowa City, Iowa. Indicator or detector for lubricating systems. No. 1,114,636; Oct. 20; Gaz. vol. 207; p. 860.
- Nelson, Arthur F. (See Reynders and Nelson.)
- Nelson, Arthur W., Williamsport, Pa., assignor, by mesne assignments, to W. Giertsen, Chicago, Ill. Chain-feed saw. No. 1,110,709; Sept. 15; Gaz. vol. 206; p. 738.
- Nelson, Arthur W., assignor to Hermance Machine Company, Williamsport, Pa. Wood-planing machine. No. 1,111,701; Sept. 22; Gaz. vol. 206; p. 1126.
- Nelson, Arthur W., assignor to Hermance Machine Company, Williamsport, Pa. Planing-machine. No. 1,111,702; Sept. 22; Gaz. vol. 206; p. 1126.
- Nelson, August. (See Dennis, Frank O., assignor.)
- Nelson, August T., and C. A. Klawiter, assignors to Automatic Steering Co., Milwaukee, Wis. Automatic steering device. No. 1,122,794; Dec. 29; Gaz. vol. 209; p. 1513.
- Nelson, Axel. (See Clarin, Werner E., assignor.)
- Nelson, Axel A., Washington, D. C. Tire-casing tool. No. 1,116,468; Nov. 10; Gaz. vol. 208; p. 382.
- Nelson, Bruce G., Lakota, N. D. Grain-saving device. No. 1,084,953; Jan. 20; Gaz. vol. 198; p. 623.
- Nelson, Bruce G., and G. A. Kellogg, Lakota, N. D. Collapsible pan. No. 1,095,914; May 5; Gaz. vol. 202; p. 251.
- Nelson, Buell C., Oakland, assignor of one-half to W. Gregory, Berkeley, Cal. Air and electric coupling for railway-trains. No. 1,118,571; Nov. 24; Gaz. vol. 208; p. 1204.
- Nelson, Carl E., Seattle, Wash. Oiling device for cutting-tools. No. 1,087,456; Feb. 17; Gaz. vol. 199; p. 750.
- Nelson, Carl F. (See Gamm and Nelson.)
- Nelson, Charles. (See Rehm, Frederick C., assignor.)
- Nelson, Charles, New York, assignor to S. Sternau & Company, Brooklyn, N. Y. Lamp-stand. No. 1,096,185; May 12; Gaz. vol. 202; p. 379.
- Nelson, Charles, Brooklyn, assignor to S. Sternau & Company, New York, N. Y. Coffee-machine. No. 1,096,455; May 12; Gaz. vol. 202; p. 473.
- Nelson, Charles, assignor to S. Sternau & Co., Brooklyn, N. Y. Culinary article. No. 1,096,456; May 12; Gaz. vol. 202; p. 473.
- Nelson, Charles, Brooklyn, assignor to S. Sternau & Co., New York, N. Y. Alcohol-lamp. No. 1,099,191; June 9; Gaz. vol. 203; p. 324.
- Nelson, Charles, assignor to S. Sternau & Company, Brooklyn, N. Y. Vapor-lamp. No. 1,099,192; June 9; Gaz. vol. 203; p. 324.
- Nelson, Charles, assignor to S. Sternau & Company, Brooklyn, N. Y. Vapor-lamp. No. 1,099,193; June 9; Gaz. vol. 203; p. 325.
- Nelson, Charles, Brooklyn, assignor to S. Sternau & Co., New York, N. Y. Coffee-machine. No. 1,111,029; Sept. 22; Gaz. vol. 206; p. 892.
- Nelson, Charles, Brooklyn, assignor to S. Sternau & Co., New York, N. Y. Coffee-machine. No. 1,111,083; Sept. 22; Gaz. vol. 206; p. 912.
- Nelson, Charles, Brooklyn, assignor to S. Sternau & Co., New York, N. Y. Coffee-machine. No. 1,111,270; Sept. 22; Gaz. vol. 206; p. 976.
- Nelson, Charles, assignor to S. Sternau & Company, New York, N. Y. Coffee-machine. No. 1,122,298; Dec. 29; Gaz. vol. 209; p. 1341.
- Nelson, Charles A., Chicago, Ill. Lawn-sprinkler. No. 1,093,006; Apr. 14; Gaz. vol. 201; p. 337.
- Nelson, Charles A., assignor to Savage Arms Company, Utica, N. Y. Firearm. No. 1,085,698; Feb. 3; Gaz. vol. 199; p. 42.
- Nelson, Charles A., assignor to Savage Arms Company, Utica, N. Y. Firearm. No. 1,100,765; June 23; Gaz. vol. 203; p. 955.
- Nelson, Charles A., assignor to Savage Arms Company, Utica, N. Y. Sight for firearms. No. 1,113,470; Oct. 13; Gaz. vol. 207; p. 413.

Alphabetical list of patentees—Continued.

- Nelson, Charles A., assignor to Savage Arms Company, Utica, N. Y. Sight for firearms. No. 1,113,471; Oct. 13; Gaz. vol. 207; p. 414.
- Nelson, Charles A., assignor to Savage Arms Company, Utica, N. Y. Firearm. No. 1,115,723; Nov. 3; Gaz. vol. 208; p. 88.
- Nelson, Charles A., and C. W. Lang, assignors to Savage Arms Company, Utica, N. Y. Automatic rifle. No. 1,100,766; June 23; Gaz. vol. 203; p. 955.
- Nelson, Charles A. E., Chicago, Ill. Change-delivery device. No. 1,097,764; May 26; Gaz. vol. 202; p. 1013.
- Nelson, Christian H. (See Salmon, Edward W., Jr., assignor.)
- Nelson, Clarence R., Yonkers, N. Y. Heater for automobiles and the like. No. 1,108,466; Aug. 25; Gaz. vol. 205; p. 1147.
- Nelson, Columbus F. (See Gunter and Nelson.)
- Nelson, Edgar A., Jr., Washington, D. C. Puzzle. No. 1,109,698; Sept. 8; Gaz. vol. 206; p. 339.
- Nelson, Edward. (See Hankey, Albert, assignor.)
- Nelson, Edwin J., Utica, N. Y. Washing-machine. No. 1,090,406; Mar. 17; Gaz. vol. 200; p. 686.
- Nelson, Elza A., Dexter, assignor to The Pomeroy Novelty Company, Pomeroy, Ohio. Safety-loop. No. 1,110,337; Sept. 15; Gaz. vol. 206; p. 606.
- Nelson, Elza A., Dexter, assignor to The Pomeroy Novelty Company, Pomeroy, Ohio. Breast-bow for harness. No. 1,110,338; Sept. 15; Gaz. vol. 206; p. 606.
- Nelson, Emil, *et al.* (See Eliason, Axel S., assignor.)
- Nelson, Emil, Portland, Oreg. Watch-dial fastener. No. 1,091,009; Mar. 24; Gaz. vol. 200; p. 922.
- Nelson, Emil A., assignor to Hupp Motor Car Company, Detroit, Mich. Engine and transmission unit. No. 1,091,951; Mar. 31; Gaz. vol. 200; p. 1289.
- Nelson, Emil A., assignor to Hupp Motor Car Company, Detroit, Mich. Starting-crank. No. 1,108,212; Aug. 25; Gaz. vol. 205; p. 1059.
- Nelson, Emil A., assignor to Rotary Valve Motor Company, Detroit, Mich. Rotary valve. No. 1,103,996; July 21; Gaz. vol. 204; p. 704.
- Nelson, Erik W. (See Carleton and Nelson.)
- Nelson, Frank E., Los Angeles, Cal. Oil-burning apparatus. No. 1,112,025; Sept. 29; Gaz. vol. 206; p. 1272.
- Nelson, Frederick B., Maple Plain, Minn. Cigar-holder. No. 1,118,216; Nov. 24; Gaz. vol. 208; p. 1078.
- Nelson, George F., assignor to H. May, Washington, D. C. Rotary pump and motor. No. 1,098,458; June 2; Gaz. vol. 203; p. 35.
- Nelson, Gustave C., assignor to The Borg & Beck Company, Moline, Ill. Friction-clutch. No. 1,099,509; June 9; Gaz. vol. 203; p. 434.
- Nelson, Guy W., Boston, Mass. Studed apron. No. 1,119,860; Dec. 8; Gaz. vol. 205; p. 365.
- Nelson, Harmon O., assignor to The Whitin Machine Works, Whitinsville, Mass. Roving-frame. No. 1,116,469; Nov. 10; Gaz. vol. 208; p. 382.
- Nelson, Henry. (See Hart and Nelson.)
- Nelson, Henry F., assignor of one-half to W. W. Pecue, Angola, and one-half to W. T. Hodge, Bayou Sara, La. Rail-joint. No. 1,109,780; Sept. 8; Gaz. vol. 206; p. 366.
- Nelson, Henry F., assignor of one-half to J. R. Sanders, Angola, La., and one-half to M. R. Woulfe, Washington, D. C. Combination-lock. No. 1,111,487; Sept. 22; Gaz. vol. 206; p. 1050.
- Nelson, Herbert L., Detroit, Mich. Support for fire-extinguisher containers. No. 1,088,444; Feb. 24; Gaz. vol. 199; p. 1136.
- Nelson, Herman, San Francisco, assignor of one-half to W. H. Trotter, Oakland, Cal. Machine for marking cantops. No. 1,118,217; Nov. 24; Gaz. vol. 208; p. 1078.
- Nelson, James D., Cincinnati, Ohio. Automatic recorder for call-boxes and fire-alarms. No. 1,098,521; June 2; Gaz. vol. 203; p. 58.
- Nelson, James D., Cincinnati, Ohio. Signal apparatus. No. 1,112,645; Oct. 6; Gaz. vol. 207; p. 84.
- Nelson, James D., Cincinnati, Ohio. Alarm mechanism for distribution systems. No. 1,121,593; Dec. 15; Gaz. vol. 209; p. 1021.
- Nelson, James E., Lancaster, N. Y. Drafting apparatus. No. 1,109,864; Sept. 8; Gaz. vol. 206; p. 397.
- Nelson, John. (See King, Roy D., assignor.)
- Nelson, John, Selah, Wash. Extension car-step. No. 1,098,049; May 26; Gaz. vol. 202; p. 1115.
- Nelson, John A., *et al.* (See Spangler, John H., assignor.)
- Nelson, John E., Hettinger, N. D. Vehicle steering-knuckle. No. 1,098,830; June 2; Gaz. vol. 203; p. 160.
- Nelson, John F., assignor to Forest City Knitting Co., Rockford, Ill. Knitting-machine. No. 1,087,545; Feb. 17; Gaz. vol. 199; p. 781.
- Nelson, John M., Highland Park, Mich. Shaft-coupling guard. No. 1,116,470; Nov. 10; Gaz. vol. 208; p. 383.
- Nelson, John O., Ashtabula, Ohio. Spring-wheel. No. 1,112,718; Oct. 6; Gaz. vol. 207; p. 109.
- Nelson, John W., New York, N. Y. Machine for cleaning water-mains. No. 1,105,528; July 28; Gaz. vol. 204; p. 1286.
- Nelson, John W., Viola, Kans. Sanitary closet. No. 1,121,530; Dec. 15; Gaz. vol. 209; p. 998.
- Nelson, Joseph A., New Orleans, La. Switching mechanism. No. 1,099,813; June 9; Gaz. vol. 203; p. 538.
- Nelson, Karl F., Kellogg, Idaho. Rifle-box. No. 1,104,919; July 28; Gaz. vol. 204; p. 1073.
- Nelson, Laurence N., Sturgeon Bay, Wis. Saw-guard. No. 1,091,156; Mar. 24; Gaz. vol. 200; p. 975.
- Nelson Lumber Company. (See Olp, Robert G., assignor.)
- Nelson, Meynardie, Littleton, N. C. Paper-cutter. No. 1,116,834; Nov. 10; Gaz. vol. 208; p. 516.
- Nelson, Nelson J., Somerville, assignor to Vega Company, Boston, Mass. Banjo. No. 1,090,937; Mar. 24; Gaz. vol. 200; p. 898.
- Nelson, Nels A. (See Fagerholm, Albin E. S., assignor.)
- Nelson, Nels G., Rockford, Ill., assignor of one-half to J. G. Anderson. Marble-shooter. No. 1,106,830; Aug. 11; Gaz. vol. 205; p. 479.
- Nelson, Nels P. B., Braddock, N. D. Draft-equalizer. No. 1,118,911; Nov. 24; Gaz. vol. 208; p. 1318.
- Nelson, Nicolay, Waukegan, Ill. Garment-pressing machine. No. 1,097,138; May 19; Gaz. vol. 202; p. 752.
- Nelson, Oscar. (See Deming, Joseph H., assignor.)
- Nelson, Oscar. (See Wiggen, Peter, assignor.)
- Nelson, Otto, and C. M. Jones, North Yakima, Wash. Engraving-machine. No. 1,088,358; Feb. 24; Gaz. vol. 199; p. 1107.
- Nelson, Peter B. (See Mortenson, James T., assignor.)
- Nelson, Reynold G. (See Nelson, Victor E. and R. G.)
- Nelson, Richard. (See Williams, Thomas F., assignor.)
- Nelson, Robert, San Jose, Cal. Engine-starter. No. 1,108,609; Aug. 25; Gaz. vol. 205; p. 1197.
- Nelson, Samuel M., Hovland, Minn. Clothes-rack. No. 1,103,997; July 21; Gaz. vol. 204; p. 704.
- Nelson, Theodore H., Chicago, Ill. Burglar-alarm. No. 1,098,362; May 26; Gaz. vol. 202; p. 1223.
- Nelson, Victor E. and R. G., assignors of fifty-one one-hundredths to said Victor E. Nelson and forty-nine one-hundredths to A. T. Harrow, Detroit, Mich. Metallic packing. No. 1,120,400; Dec. 8; Gaz. vol. 209; p. 556.
- Nelson, Walter H., assignor to Ohmer Fare Register Company, Dayton, Ohio. Operating device for registering and indicating mechanism. No. 1,093,720; Apr. 21; Gaz. vol. 201; p. 620.
- Nelson, William E., De Soto, Miss. Cattle-guard. No. 1,103,372; July 14; Gaz. vol. 204; p. 446.
- Nelson, William H., Hazleton, Iowa. Dirigible headlight. No. 1,118,218; Nov. 24; Gaz. vol. 208; p. 1079.
- Nelson, William O., Baltimore, Md. Speedometer. No. 1,090,938; Mar. 24; Gaz. vol. 200; p. 898.
- Nemarnich, Frank. (See Becker and Nemarnich.)
- Nemeth, Frank, St. Louis, Mo. Fire-escape. No. 1,115,093; Oct. 27; Gaz. vol. 207; p. 1077.
- Nemeth, Joseph, St. Louis, Mo. Foldable box. No. 1,089,580; Mar. 10; Gaz. vol. 200; p. 359.
- Nenader, Firm C. (See Gordin, Wassili, assignor.)
- Neptune, Herman P., Boulder, Colo. Tenon-fastener. No. 1,083,697; Jan. 6; Gaz. vol. 198; p. 145.
- Neptune Meter Company. (See Burton, James M., assignor.)
- Nerber, Cecil M. (See Walton and Nerber.)
- Nerlinger, Hermann, Mannheim, Germany. Wafer for encapsulating medicines. No. 1,094,740; Apr. 28; Gaz. vol. 201; p. 1028.
- Nernst Lamp Company. (See Fulton, William H., assignor.)
- Nernst Lamp Company. (See Nernst, Walther, assignor.)
- Nernst, Walther, Göttingen, Germany, assignor to Nernst Lamp Company. Electric glow-lamp. No. 1,106,960; Aug. 11; Gaz. vol. 205; p. 525.
- Nernst, Walther, Göttingen, Germany, assignor to Nernst Lamp Company, Pittsburgh, Pa. Electric glow-lamp. No. 1,106,961; Aug. 11; Gaz. vol. 205; p. 525.
- Nesbit, Arthur F. (See Strong and Nesbit.)
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,109,136; Sept. 1; Gaz. vol. 206; p. 98.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,109,137; Sept. 1; Gaz. vol. 206; p. 98.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,109,138; Sept. 1; Gaz. vol. 206; p. 99.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,109,139; Sept. 1; Gaz. vol. 206; p. 99.
- Nesdall, John T., New York, N. Y. Attachment for field-glasses, &c. No. 1,092,224; Apr. 7; Gaz. vol. 201; p. 34.
- Nesdall, John T., Brooklyn, N. Y. Stair structure. No. 1,113,368; Oct. 13; Gaz. vol. 207; p. 376.
- Nesgood, Delia, West Brighton, N. Y. Sanitary support for napkins. No. 1,103,815; July 14; Gaz. vol. 204; p. 601.
- Nesmith, Ralph H., Elmira, N. Y., assignor, by mesne assignments, to American-La France Fire Engine Company, Inc. Rotary pump. No. 1,096,186; May 12; Gaz. vol. 202; p. 379.
- Nesmith, Ralph H., assignor to American-La France Fire Engine Company, Inc., Elmira, N. Y. Motor-propelled vehicle. No. 1,116,102; Nov. 3; Gaz. vol. 208; p. 218.
- Ness, Carl O., Waterville, Iowa. Harness-pad. No. 1,111,402; Sept. 22; Gaz. vol. 206; p. 1021.
- Ness, Jens M. J., assignor of one-fourteenth to G. O. Haugen, one-fourteenth to H. G. Dokken, one-fourteenth to J. Cleveland, one-fourteenth to C. A. Savold, one-fourteenth to E. C. Olsen, and one-fourteenth to P. Olsrud, Maddock, N. D. Gearing. No. 1,096,793; May 12; Gaz. vol. 202; p. 586.

Alphabetical list of patentees—Continued.

- Ness, Joseph M., Minneapolis, Minn. Fish-lure. No. 1,101,655; June 30; Gaz. vol. 203; p. 1315.
- Ness, Martin, Bothell, Wash. Pump. No. 1,092,382; Apr. 7; Gaz. vol. 201; p. 88.
- Nessler, Charles, London, England. Hair-curler. No. 1,105,595; July 28; Gaz. vol. 204; p. 1309.
- Nestor, John W., Hooversville, Pa. Bench-vice. No. 1,121,531; Dec. 15; Gaz. vol. 209; p. 998.
- Nesvadba, John, assignor of one-third to S. Krna, Binghams-ton, N. Y. Mask. No. 1,101,756; June 30; Gaz. vol. 203; p. 1348.
- Neth, George J., Dayton, assignor of one-half to R. C. S. Reed, Hamilton, Ohio. Automatically-controlled paper-cutter. No. 1,094,374; Apr. 21; Gaz. vol. 201; p. 835.
- Nettall, Richard, Houghton, Mich. Post-collar for rock-drills. No. 1,085,467; Jan. 27; Gaz. vol. 198; p. 835.
- Netter, Raphaël, New York, assignor to O. M. Edwards, Syracuse, N. Y. Wind-shield for vehicles. No. 1,097,459; May 19; Gaz. vol. 202; p. 862.
- Neu-Metals and Process Company. (See Gleason, Edward D., assignor.)
- Neubauer, Heinrich, Siebleben, near Gotha, Germany. Device for signaling the presence of explosive gas mixtures in fire-damp mines. No. 1,088,611; Feb. 24; Gaz. vol. 199; p. 1189.
- Neuberger, Franklin H., Jeffersonville, N. Y. Heating system. No. 1,117,425; Nov. 17; Gaz. vol. 208; p. 762.
- Neubert, Alois, San Francisco, Cal. Concrete-form. No. 1,087,604; Feb. 17; Gaz. vol. 199; p. 801.
- Neubert, Felix E. F., Chicago, Ill. Twine-cutter. No. 1,085,289; Jan. 27; Gaz. vol. 198; p. 775.
- Neuberth, Franklin G., Waterville, Conn., assignor to United Fast Color Eyelet Company, Portland, Me. Making eyelets and other articles. No. 1,099,716; June 9; Gaz. vol. 203; p. 506.
- Neuberth, Franklin G., Waterville, Conn., assignor to United Fast Color Eyelet Company, Portland, Me. Machine for making eyelets and other articles. No. 1,099,717; June 9; Gaz. vol. 203; p. 506.
- Neuberth, George E., Newark, N. J., assignor to Universal Caster & Foundry Company, New York, N. Y. Support for tubular legs of furniture. No. 1,112,828; Oct. 6; Gaz. vol. 207; p. 146.
- Neukirchen, Peter, Chicago, Ill. Handled folding rule. No. 1,097,350; May 19; Gaz. vol. 202; p. 826.
- Neukirchen, Peter, Chicago, Ill. Combination drawing instrument. No. 1,099,567; June 9; Gaz. vol. 203; p. 455.
- Neuman, Charles. (See Sarvalla and Neuman.)
- Neuman, Henry, Anderson, Ind. Gearing. No. 1,097,460; May 19; Gaz. vol. 202; p. 863.
- Neuman, Hugo, assignor to Diamond Manufacturing Company, Detroit, Mich. Shaping metal. No. 1,091,381; Mar. 24; Gaz. vol. 200; p. 1048.
- Neuman, Hugo, assignor to Diamond Manufacturing Company, Detroit, Mich. Metal-shaping machine. No. 1,091,469; Mar. 24; Gaz. vol. 200; p. 1076.
- Neuman, Joseph J. (See Warnock and Neuman.)
- Neuman, Maurice, Chicago, Ill. Tobacco-pipe. No. 1,107,988; Aug. 18; Gaz. vol. 205; p. 932.
- Neumann, Christian, St. Louis, Mo. Blower. No. 1,086,686; Feb. 10; Gaz. vol. 199; p. 432.
- Neumann, Friedrich E. F., Wandsbek, near Hamburg, Germany. Roasting cocoa and chocolate substances. No. 1,117,594; Nov. 17; Gaz. vol. 208; p. 820.
- Neumann, Fritz. (See Prégardien, Joseph E., assignor.)
- Neumann, Herman J., Los Angeles, Cal. Automobile-lock. No. 1,089,581; Mar. 10; Gaz. vol. 200; p. 359.
- Neumann, Jakob S., Great Falls, Mont. Device for raising sunken vessels. No. 1,116,835; Nov. 10; Gaz. vol. 208; p. 517.
- Neumann, Ludwig, Vienna, Austria-Hungary, assignor, by mesne assignments, to American Button Company, Newark, N. J. Pyrophoric igniter. No. 1,085,991; Feb. 3; Gaz. vol. 199; p. 148.
- Neumann, Theodore L., assignor to The Dayton Paper Novelty Company, Dayton, Ohio. Paper box. No. 1,106,831; Aug. 11; Gaz. vol. 205; p. 479.
- Neumann, Victor F., New York, N. Y. Extension-table. No. 1,088,612; Feb. 24; Gaz. vol. 199; p. 1189.
- Neumeister, Henry J., Chicago, Ill. Combined quick detachable coupling and valve. No. 1,115,007; Oct. 27; Gaz. vol. 207; p. 1045.
- Neumeister, John G. (See Falkenwalde, Oscar, assignor.)
- Neumeyer, Horace F., Macungie, Pa. Internal-combustion engine. No. 1,116,471; Nov. 10; Gaz. vol. 208; p. 383.
- Neureither, Warren H. (See Kincaid, Foote, and Neureither.)
- Neuteboom, Boudewijn B., and C. H. Taylor, Detroit, Mich. Internal-combustion engine. No. 1,117,427; Nov. 17; Gaz. vol. 208; p. 763.
- Neuvians, Otto, Agenda, Kans. Shock-equalizer. No. 1,111,852; Sept. 29; Gaz. vol. 206; p. 1216.
- Never Fail Company, The. (See Clauss, John H., assignor.)
- Nevill, David J., assignor to The Stearns-Roger Manufacturing Co., Denver, Colo. Stirrer or conveyer. No. 1,111,084; Sept. 22; Gaz. vol. 206; p. 912.
- Neville, Harry, assignor of one-fifth to P. Sheedy, one-fifth to G. H. Goodwin, one-fifth to D. Kellogg, and one-fifth to W. F. Merry, Los Angeles, Cal. Low-water alarm. No. 1,099,568; June 9; Gaz. vol. 203; p. 455.
- Neville, Harry, assignor to Nathan Manufacturing Company, New York, N. Y. Vacuum-pump. No. 1,101,143; June 23; Gaz. vol. 203; p. 1088.
- Neville, Herbert. (See Pike and Neville.)
- Nevin, William H. (See Rogers and Nevin.)
- Nevins, Robinson C., Prosper, assignor of one-half to M. Button, Celina, Tex. Cultivator-spreader. No. 1,095,514; May 5; Gaz. vol. 202; p. 118.
- Nevins, Thomas A., *et al.* (See Harper, William, Jr., assignor.)
- Nevottl, William M., Omaha, Nebr. Resilient vehicle-tire. No. 1,111,171; Sept. 22; Gaz. vol. 206; p. 942.
- New, Anthony G., deceased, Purley; G. New, Evesham, England, executor, Motor road-vehicle. No. 1,086,340; Feb. 3; Gaz. vol. 199; p. 263.
- New Britain Machine Company, The. (See Brown, Robert S., assignor.)
- New Britain Machine Company, The. (See Erwin, Herbert E., assignor.)
- New Britain Machine Company, The. (See Erwin and Gorsline, assignors.)
- New Britain Machine Company, The. (See Pickop, George B., assignor.)
- New Columbia Shirt Company. (See Binswanger, Max, assignor.)
- New Departure Manufacturing Company, The. (See Graham, David F., assignor.)
- New Departure Manufacturing Company, The. (See Moore, Gales P., assignor.)
- New Departure Manufacturing Company, The. (See Neal, Elmer E., assignor.)
- New Departure Manufacturing Company, The. (See Rockwell, Albert F., assignor.)
- New Diamond Polishing Tool Company of America. (See Loesser, Ernest, assignor.)
- New England Envelope Company. (See McNeill, Frank L., assignor.)
- New England Macaroni Company, The. (See Di Domenica and Amicarelli, assignors.)
- New Era Mfg. Co. (See Weeks, Harry G., assignor.)
- New, Geoffrey, executor. (See New, Anthony G.)
- New Haven Clock Co. (See Porter, Wilson E., assignor.)
- New Haven Mills Manufacturing Company. (See Quinlan, Michael, assignor.)
- New Haven Sand Blast Company. (See Dreisbach, Charles A., assignor.)
- New Ideas Manufacturing Company. (See Dietz, Paul, assignor.)
- New Jersey Patent Company. (See Aylsworth, Jonas W., assignor.)
- New Jersey Patent Company. (See Dodge, Eben G., assignor.)
- New Jersey Patent Company. (See Durand, Nelson C., assignor.)
- New Jersey Patent Company. (See Edison, Thomas A., assignor.)
- New Jersey Patent Company. (See Gall, Adolph F., assignor.)
- New Jersey Patent Company. (See Hibbard, Charles L., assignor.)
- New Jersey Patent Company. (See Holland, Newman H., assignor.)
- New Jersey Patent Company. (See May, Ferdinand H., assignor.)
- New Jersey Patent Company. (See Moore, Sherwood T., assignor.)
- New Jersey Patent Company. (See Oertly, John, assignor.)
- New Jersey Patent Company. (See Oliver, Henry T., assignor.)
- New Jersey Patent Company. (See Osborne, Charles S., assignor.)
- New Jersey Patent Company. (See Pierman, Alexander N., assignor.)
- New Jersey Patent Company. (See Saltzman, Auguste L., assignor.)
- New Jersey Patent Company. (See Tessler, Abraham G., assignor.)
- New Jersey Vending Machine Company. (See Pollock, Robert H., assignor.)
- New Jersey Worsted Spinning Co. (See Hilberger, Joseph, assignor.)
- New Jersey Zinc Company. (See Rigg, Gilbert, assignor.)
- New Jersey Zinc Company. (See Singmaster, James A., assignor.)
- New Method Stove Company. (See Baxter, Berry A., assignor.)
- New Process Raw Hide Company. (See Grannis, Charles S., assignor.)
- New Standard Hardware Works. (See Rollman, Michael A., assignor.)
- New York Air Brake Company. (See Bingley, John W., assignor.)
- New York Air Brake Company. (See Minnier, Blythe J., assignor.)
- New York Air Brake Company. (See Newton, Robert S., assignor.)
- New York Attachable Player Action Co. (See Scott, Ray W., assignor.)
- New York Coil Company. (See Rhoades, Lewis T., assignor.)

Alphabetical list of patentees—Continued.

- New York Couch Bed Company. (See Pittoni, Louis E., assignor.)
- New York Couch Bed Company. (See Sisbower, George F., assignor.)
- New York Couch Bed Company. (See Sisbower and Pittoni, assignors.)
- New York Improved Meter Company. (See Drew, William T., assignor.)
- New York Knife Company. (See Fuller, James E., assignor.)
- New York Revolving Portable Elevator Company. (See Boehck, William E., assignor.)
- New York Safety Chest Company. (See Coleman, Clyde J., assignor.)
- New York Safety Chest Company. (See Maltby, Edward L., assignor.)
- New York Safety Chest Company, The. (See Myers, Louis, assignor.)
- New York Stamping Company. (See Simmons and Francisco, assignors.)
- New York Stamping Company. (See Wojidkow, Louis, assignor.)
- New York Steel Beam & Girder Company. (See Grey, Charles M., assignor.)
- Newark Gear Cutting Machine Co. (See Eberhardt, Henry J., assignor.)
- Newark Rivet Works. (See Reininger, Richard, assignor.)
- Newark Spring Mattress Co. (See Odell, Robert C., assignor.)
- Newbauer, Faltine, assignor of one-third to E. Feldmann, Valley City, N. D. Pneumatic puncture-proof tire. No. 1,084,470; Jan. 13; Gaz. vol. 198; p. 430.
- Newberg, Axel R. (See Janson, Carl A., assignor.)
- Newberry, Merritt E., *et al.* (See Burnett, Charles E., assignor.)
- Newberry, Spencer B., Baybridge, Ohio, assignor of one-half to J. R. Morron, New York, N. Y. Recovering alkalis from flue-gases. No. 1,121,532; Dec. 15; Gaz. vol. 209; p. 998.
- Newberry, Spencer B., and H. N. Barrett, Baybridge, Ohio. Making barium hydrate. No. 1,106,578; Aug. 11; Gaz. vol. 205; p. 391.
- Newbert, Alden A., Appleton, Wis. Garbage-wagon. No. 1,101,878; June 30; Gaz. vol. 203; p. 1392.
- Newbold, Charles E., Habana, Cuba, assignor to Krajewski-Pesant Corporation, Brooklyn, N. Y. Hydraulic pressure-regulator. No. 1,101,757; June 30; Gaz. vol. 203; p. 1349.
- Newbold, Eugene S., assignor to American Street Lighting Company, Baltimore, Md. Street-illuminating lamp. No. 1,087,048; Feb. 10; Gaz. vol. 199; p. 555.
- Newbold, Harry, London, England. Eyeglasses. No. 1,098,831; June 2; Gaz. vol. 203; p. 160.
- Newburn, Charles C., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Electric switch. No. 1,103,529; July 14; Gaz. vol. 204; p. 499.
- Newburn, Charles C., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Electromagnet. No. 1,103,530; July 14; Gaz. vol. 204; p. 499.
- Newburn, Theodore W., Cleveland, Ohio. Brake mechanism. No. 1,095,286; May 5; Gaz. vol. 202; p. 38.
- Newbury, C. E., *et al.* (See Huff, William F., assignor.)
- Newbury, E. C., *et al.* (See Huff, William F., assignor.)
- Newbury, Henry F., New York, N. Y., assignor to Elevator Supply and Repair Company, Signal apparatus. No. 1,100,767; June 23; Gaz. vol. 203; p. 956.
- Newbury, Henry F., New York, N. Y., assignor to Elevator Supply & Repair Company. Switching apparatus. No. 1,112,378; Sept. 29; Gaz. vol. 206; p. 1395.
- Newbury, Henry F., New York, N. Y., assignor to Elevator Supply & Repair Company. Elevator signal system or apparatus. No. 1,112,379; Sept. 29; Gaz. vol. 206; p. 1396.
- Newby, Jake T. (See Rogers, Nathaniel J., assignor.)
- Newcomb, Alcanzo D., assignor to Auxiliary Re-saw Corporation, Norfolk, Va. Resawing-machine. No. 1,101,320; June 23; Gaz. vol. 203; p. 1149.
- Newcomb, Alcanzo D., assignor to Auxiliary Re-saw Corporation, Norfolk, Va. Resawing-machine. No. 1,110,306; Sept. 8; Gaz. vol. 206; p. 556.
- Newcomb, David L., assignor of one-half to J. Lawrence, San Diego, Cal. Roundabout for playgrounds. No. 1,108,080; Aug. 18; Gaz. vol. 205; p. 965.
- Newcomb, Edward J. (See Miller, Clifton I., assignor.)
- Newcomb, Everett H., Ephrata, Pa. Garment-taping machine. No. 1,107,097; Aug. 11; Gaz. vol. 205; p. 569.
- Newcomb, Frank H., Brooklyn, N. Y. Window-fastener. No. 1,094,862; Apr. 28; Gaz. vol. 201; p. 1069.
- Newcomer, Lewis W., Monroe, Mich. Packing-receptacle. No. 1,099,194; June 9; Gaz. vol. 203; p. 323.
- Newcomer, Martin, New York, N. Y. Piano-player. No. 1,087,176; Feb. 17; Gaz. vol. 199; p. 650.
- Newell, Atwood M. and E., Irwin, Pa. Band-saw guide. No. 1,086,074; Feb. 3; Gaz. vol. 199; p. 178.
- Newell, Edgar. (See Newell, Atwood M. and E.)
- Newell, George T., Jr., assignor to Vesta Manufacturing Company, Passaic, N. J. Water-heater. No. 1,103,614; July 14; Gaz. vol. 204; p. 532.
- Newell, Henry G., Le Raysville, Pa. Game-board. No. 1,106,052; Aug. 4; Gaz. vol. 205; p. 163.
- Newell, Nelson C., and J. A. Harrington, Racine, Wis. Starch-separating machine. No. 1,105,294; July 28; Gaz. vol. 204; p. 1202.
- Newerf, Nicholas C. (See Kluck, Ernest M., assignor.)
- Newerf, Nicholas C., Buffalo, N. Y. Concrete building construction. No. 1,105,682; Aug. 4; Gaz. vol. 205; p. 33.
- Newhall, Henry B. (See Atkinson, Asher, assignor.)
- Newhall, Henry B. (See Merrill, George H., assignor.)
- Newhall, Henry B., Plainfield, N. J. Toggle-bolt. No. 1,084,289; Jan. 13; Gaz. vol. 198; p. 372.
- Newhall, Henry B., Sr. (See Pauli, Carl, assignor.)
- Newhall, Walter S., Cleveland, and A. W. Richards, East Cleveland, assignors to The Cleveland Railway Supply Company, Cleveland, Ohio. Guard-rail fastener. No. 1,099,569; June 9; Gaz. vol. 203; p. 456.
- Newhouse, Alphonse. (See Roland, Arthur M., assignor.)
- Newhouse, John A., *et al.* (See Hannan, Dennis B., assignor.)
- Newhouse, John L., and E. Runkel, Pine Island, Minn. Barber's fan-support and the like. No. 1,103,816; July 14; Gaz. vol. 204; p. 601.
- Newhouse, Marshall E., *et al.* (See Younger, Charles, assignor.)
- Newhouse, Ray C., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Roll-crusher. No. 1,086,842; Feb. 10; Gaz. vol. 199; p. 487.
- Newhouse, Ray C., Cincinnati, Ohio, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Motor-control system. No. 1,087,972; Feb. 24; Gaz. vol. 199; p. 975.
- Newkirk, William P., assignor of one-fourth to W. D. Isgrig and one-fourth to C. L. Crooks, Pueblo, Colo. Portable derailing device. No. 1,106,155; Aug. 4; Gaz. vol. 205; p. 199.
- Newkumet, Philip J., Seattle, Wash. Hot-water heating system. No. 1,122,989; Dec. 29; Gaz. vol. 209; p. 1582.
- Newman, Arthur S., Highgate, London, England. Shutter for photographic cameras. No. 1,095,020; Apr. 28; Gaz. vol. 201; p. 1124.
- Newman, Clarence D., Newport News, Va. Oyster-opening machine. No. 1,084,814; Jan. 20; Gaz. vol. 198; p. 577.
- Newman Clock Company. (See Jenkins, Charles H., assignor.)
- Newman, Dillard M., Galena, assignor of one-half to A. Bearnlee, Columbus, Ohio. Mail-catcher. No. 1,115,330; Oct. 27; Gaz. vol. 207; p. 1158.
- Newman, Enos S., Washington, D. C., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Carriage-stop mechanism for typewriters. No. 1,091,010; Mar. 24; Gaz. vol. 200; p. 922.
- Newman, Fanny, San Francisco, Cal. Non-refillable bottle. No. 1,095,123; Apr. 28; Gaz. vol. 201; p. 1157.
- Newman and Guardia Limited. (See Walters and Mason, assignors.)
- Newman, Gustaf. (See Hammarstrom, Carl, assignor.)
- Newman, John G., Milson's Point, near Sydney, New South Wales, Australia. Igniting device for internal-combustion engines. No. 1,084,815; Jan. 20; Gaz. vol. 198; p. 577.
- Newman, Louis, Chicago, Ill. Train of passenger-cars. No. 1,114,906; Oct. 27; Gaz. vol. 207; p. 1010.
- Newman, Oliver, St. Davids, Pa. Egg-carrier. No. 1,094,920; Apr. 28; Gaz. vol. 201; p. 1089.
- Newman, Robert H., *et al.* (See Snee, James M., assignor.)
- Newman, Samuel S. (See Wagner, Michael, assignor.)
- Newman, Samuel S. (See Wincrantz, John S., assignor.)
- Newman, William P., and H. P. Eaton, Bucyrus, Ohio. Step-ladder. No. 1,102,428; July 7; Gaz. vol. 204; p. 73.
- Newmann, John, assignor to Globe Anti-Friction Roller Bearing Company, Brooklyn, N. Y. Roller-bearing. (Reissue.) No. 13,727; May 12; Gaz. vol. 202; p. 598.
- Newnam, Edward B., deceased; S. F. Newnam, administratrix, Denver, Colo. Foot-vice. No. 1,093,461; Apr. 14; Gaz. vol. 201; p. 491.
- Newnam, Sarah F., administratrix. (See Newnam, Edward B.)
- Newpher, Alfred H., assignor to The Adams & Westlake Company, Chicago, Ill. Car-window. No. 1,093,644; Apr. 21; Gaz. vol. 201; p. 594.
- Newpher, Alfred H., Chicago, Ill., assignor to The Adams & Westlake Company. Window. No. 1,096,556; May 12; Gaz. vol. 202; p. 506.
- Newpher, Alfred H., assignor to The Adams & Westlake Company, Chicago, Ill. Weather-guard for windows. No. 1,096,557; May 12; Gaz. vol. 202; p. 506.
- Newport, William A., assignor of one-half to G. J. White, Hamilton, Ontario, Canada. Woodworking machinery. No. 1,093,198; Apr. 14; Gaz. vol. 201; p. 404.
- Newsam, Richard, Peoria Heights, Ill. Door-check. No. 1,100,249; June 16; Gaz. vol. 203; p. 725.
- Newsom, Albert L., assignor to O. C. Hockett, Richmond, Va. Stopper and extractor therefor. No. 1,093,288; Apr. 14; Gaz. vol. 201; p. 435.
- Newsom, Henry G., Boyce, Tex. Mud-shedder for vehicle-wheels. No. 1,085,154; Jan. 27; Gaz. vol. 198; p. 728.
- Newsom, James A., Yazoo City, Miss. Insect-catcher. No. 1,106,673; Aug. 11; Gaz. vol. 205; p. 424.

Alphabetical list of patentees—Continued.

- Newsom, John W., Newcastle, Tex. Threshing-machine. No. 1,083,852; Jan. 6; Gaz. vol. 198; p. 193.
- Newsom, Joseph N., assignor of one-fourth to F. Niemann, St. Louis, Mo., and one-fourth to L. W. Hottel, Chicago, Ill. Pneumatic-tire-casing-repair device. No. 1,084,895; Jan. 20; Gaz. vol. 198; p. 604.
- Newsom, Louis F., Auburn, N. Y. Chopping-machine. No. 1,109,300; Sept. 1; Gaz. vol. 206; p. 157.
- Newton, Albert E., assignor, by mesne assignments, to Reed-Prentice Company, Worcester, Mass. Clutch. No. 1,098,750; June 2; Gaz. vol. 203; p. 134.
- Newton, Albert E., assignor, by mesne assignments, to Reed-Prentice Company, Worcester, Mass. Calipering device for the stopping mechanism of machine-tools. No. 1,098,751; June 2; Gaz. vol. 203; p. 134.
- Newton, Albert E., assignor, by mesne assignments, to Reed-Prentice Company, Worcester, Mass. Spindle-driving mechanism. No. 1,105,529; July 28; Gaz. vol. 204; p. 1286.
- Newton, Albert E., assignor, by mesne assignments, to Reed-Prentice Company, Worcester, Mass. Attachment for turning multiple-diameter shafts. No. 1,118,875; Nov. 24; Gaz. vol. 208; p. 1306.
- Newton, Albert S., Providence, R. I. Shower-head. No. 1,105,576; July 28; Gaz. vol. 204; p. 1303.
- Newton, Albert S., Providence, R. I. Shower-head. No. 1,112,927; Oct. 6; Gaz. vol. 207; p. 180.
- Newton, Arthur, Boston, Mass. Street-railway car. No. 1,117,692; Nov. 17; Gaz. vol. 208; p. 856.
- Newton, Arthur J., Chicago, Ill. Eye and hook former. No. 1,086,552; Feb. 10; Gaz. vol. 199; p. 385.
- Newton, Charles, Buffalo, N. Y. Rifle bullet or projectile. No. 1,096,558; May 12; Gaz. vol. 202; p. 507.
- Newton, Charles H., Plainville, Conn. Nut. No. 1,086,687; Feb. 10; Gaz. vol. 199; p. 432.
- Newton, Charles H., Plainville, Conn. Tire-pump connection. No. 1,120,228; Dec. 8; Gaz. vol. 209; p. 495.
- Newton, Dimond C., assignor of one-half to M. Lindeman, Owego, N. Y. Safety and signaling device for railways. No. 1,092,383; Apr. 7; Gaz. vol. 201; p. 89.
- Newton, Dimond C., assignor of one-half to M. Lindeman, Owego, N. Y. Safety and signaling device for railways. No. 1,095,915; May 5; Gaz. vol. 202; p. 251.
- Newton Disc Plow Company. (See Seeds, George, assignor.)
- Newton, Edwin J., Denver, Colo. Printing-press. No. 1,086,395; Feb. 10; Gaz. vol. 199; p. 328.
- Newton, Frank H., Los Angeles, Cal. Advertising-machine. No. 1,095,346; May 5; Gaz. vol. 202; p. 59.
- Newton, Frank W., assignor of one-fourth to R. G. Baker and one-fourth to W. Wagner, Danville, Ohio. Nutlock. No. 1,097,257; May 19; Gaz. vol. 202; p. 793.
- Newton, George W., Farrell, Pa. Band-cutter. No. 1,119,307; Dec. 1; Gaz. vol. 209; p. 139.
- Newton & Hoyt Company. (See Hoyt, Charles S., assignor.)
- Newton, James H., Sydney, New South Wales, Australia. Railway vehicle and track adaptable to change of gage. No. 1,108,467; Aug. 25; Gaz. vol. 205; p. 1147.
- Newton, John, Longport, Stoke-upon-Trent, England. Nozzle and cloth belonging to and used in filter-presses. No. 1,083,460; Jan. 6; Gaz. vol. 198; p. 68.
- Newton, John F., Jr., Boston, Mass. Hanger-strap or handhold for cars. No. 1,112,157; Sept. 29; Gaz. vol. 206; p. 1318.
- Newton, Ralph E., Milwaukee, Wis. Masonry viaduct construction. No. 1,117,428; Nov. 17; Gaz. vol. 208; p. 763.
- Newton, Richard H., Montpelier, Vt. Composition of matter to be used for the manufacture of plates for artificial teeth. No. 1,090,939; Mar. 24; Gaz. vol. 200; p. 898.
- Newton, Robert S., Watertown, N. Y., assignor to New York Air Brake Company. Hose and coupling testing appliance. No. 1,118,876; Nov. 24; Gaz. vol. 208; p. 1307.
- Newton, William J., Lynbrook, N. Y., assignor to Metropolitan Electric Mfg. Co. Switch. No. 1,094,806; Apr. 28; Gaz. vol. 201; p. 1050.
- Newtown Giant Incubator Corporation. (See Bonine, Charles E., assignor.)
- Newton, Henry B., assignor of one-half to B. P. Lee, Bloomington, Ill. Carpet-cleaner. No. 1,084,750; Jan. 20; Gaz. vol. 198; p. 555.
- Ney, Jacob, Canton, Ohio. Merry-go-round. (Reissue.) No. 13,721; Apr. 28; Gaz. vol. 201; p. 1182.
- Neymann, Percy. (See Dosselman and Neymann.)
- Niagara Alkali Company. (See Doerflinger, William F., assignor.)
- Niagara Cordage Company. (See Ryder, Henry, assignor.)
- Niagara Machine & Tool Works. (See Lange and Welgel, assignors.)
- Niagara Searchlight Company, The. (See Eaton, Richard M., assignor.)
- Nibbe, George W. (See Smith and Nibbe.)
- Nibbe, George W., Chicago, Ill. Derailing device. No. 1,109,007; Sept. 1; Gaz. vol. 206; p. 53.
- Nibourel, Alexandre V., Paris, France, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,102,429; July 7; Gaz. vol. 204; p. 73.
- Nicault, Jules. (See Gueniffet and Nicault.)
- Nice, Elmer, Philadelphia, Pa. Carbureter. No. 1,084,954; Jan. 20; Gaz. vol. 198; p. 623.
- Nice, Fredrick J., Pontiac, Mich. Heating-furnace. (Reissue.) No. 13,834; Dec. 1; Gaz. vol. 209; p. 303.
- Nicholas, Charles A., Los Angeles, Cal. Reinforcement for sheet metal and the like. No. 1,099,570; June 9; Gaz. vol. 203; p. 456.
- Nicholas, Charles P., and J. M. Myers, Davenport, Iowa. Chiropractic apparatus. No. 1,112,646; Oct. 6; Gaz. vol. 207; p. 84.
- Nicholas, Francis C., Washington, D. C., assignor to J. H. S. Bates, Hoboken, N. J. Composition of matter to be used in revitalizing soils. No. 1,099,151; June 2; Gaz. vol. 203; p. 266.
- Nicholas, George H., New York, N. Y. Negligée shirt. No. 1,118,792; Nov. 24; Gaz. vol. 208; p. 1278.
- Nicholas, Matthew, Boulder, Colo. Wrench. No. 1,095,021; Apr. 28; Gaz. vol. 201; p. 1125.
- Nicholas Power Company. (See Power, Nicholas, assignor.)
- Nicholas, Robert G., Clyde, Kans. Safety-pocket. No. 1,102,946; July 7; Gaz. vol. 204; p. 250.
- Nicholaus, Herman C., assignor to J. W. Craig, Detroit, Mich. Controlling mechanism. No. 1,116,908; Nov. 10; Gaz. vol. 208; p. 541.
- Nicholaus, Herman C., assignor of one-half to F. H. Rateick and one-half to W. J. Looman, Detroit, Mich. Timing mechanism. No. 1,107,176; Aug. 11; Gaz. vol. 205; p. 599.
- Nichols, Alfred H. and G. A., Eugene, Oreg. Bracket. No. 1,099,758; June 9; Gaz. vol. 203; p. 519.
- Nichols, Andrew P., Seattle, Wash. Electric water-heater and steam-generator. No. 1,087,887; Feb. 17; Gaz. vol. 199; p. 897.
- Nichols, Anthony. (See Simer and Nichols.)
- Nichols, Arthur M., Marshall, Minn. Hover and brooder. No. 1,090,407; Mar. 17; Gaz. vol. 200; p. 686.
- Nichols, Charles B. (See Alexander, Jesse, assignor.)
- Nichols, Charles B., et al. (See Alexander, Jesse, assignor.)
- Nichols, Charles C., and W. H. Wright, assignors to Nichols & Wright Motor Co., Buffalo, N. Y. Internal-combustion engine. No. 1,107,232; Aug. 11; Gaz. vol. 205; p. 619.
- Nichols, Charles H., Haverhill, assignor, by mesne assignments, to Automatic Accounting Company, Boston, Mass. Apparatus for cost system. No. 1,105,994; Aug. 4; Gaz. vol. 205; p. 142.
- Nichols, Charles H., Haverhill, assignor to Automatic Accounting Company, Boston, Mass. Factory tag or ticket making apparatus. No. 1,105,995; Aug. 4; Gaz. vol. 205; p. 143.
- Nichols, Charles W., and H. P. Meyers, assignors to The Axleless Wheel Manufacturing Company, Limited, New Orleans, La. Wheel. No. 1,087,504; Feb. 17; Gaz. vol. 199; p. 766.
- Nichols Copper Co. (See Herreshoff, James B., Jr., assignor.)
- Nichols Copper Co. (See Herreshoff, John B. F., assignor.)
- Nichols, Elmer P., assignor to Lacene Manufacturing Company, Manchester, N. H. Machine for evening and grading soles. No. 1,089,492; Mar. 10; Gaz. vol. 200; p. 328.
- Nichols, Elmer P., assignor to Lacene Manufacturing Company, Manchester, N. H. Machine for grade-marking died-out leather pieces. No. 1,104,378; July 21; Gaz. vol. 204; p. 835.
- Nichols, Elmer P., assignor to Lacene Manufacturing Company, Manchester, N. H. Leather-grading machine. No. 1,113,472; Oct. 13; Gaz. vol. 207; p. 414.
- Nichols, Elmer P., assignor to Lacene Manufacturing Company, Manchester, N. H. Automatic grade-marker for shoe-soles, &c. No. 1,119,367; Dec. 1; Gaz. vol. 209; p. 161.
- Nichols, Ernest R., Chicago, Ill. Front-axle drive for motor-vehicles. No. 1,095,916; May 5; Gaz. vol. 202; p. 252.
- Nichols, Frank, Monroe, N. Y. Hull for marine craft. No. 1,116,724; Nov. 10; Gaz. vol. 208; p. 476.
- Nichols, Frederick Y. (See Lindelsee, William R., assignor.)
- Nichols, George A. (See Nichols, Alfred H. and G. A.)
- Nichols, George T., Gainesville, Tex. Latch. No. 1,099,391; June 9; Gaz. vol. 203; p. 394.
- Nichols, George T., Gainesville, Tex. End-gate fastener. No. 1,110,339; Sept. 15; Gaz. vol. 206; p. 607.
- Nichols, George T., Gainesville, Tex. End-gate fastener. No. 1,118,145; Nov. 24; Gaz. vol. 208; p. 1053.
- Nichols, Henry B., Philadelphia, Pa. Side and center bearing for vehicles. No. 1,116,103; Nov. 3; Gaz. vol. 208; p. 219.
- Nichols, Henry B., assignor to W. D. Gherky, Philadelphia, Pa. Grinding-machine. No. 1,096,007; May 5; Gaz. vol. 202; p. 282.
- Nichols, Henry B., and G. M. Richardson, Philadelphia, Pa. Brake-shoe. No. 1,111,606; Sept. 22; Gaz. vol. 206; p. 1091.
- Nichols, Homer H., Carmel, N. Y. Egg-tray for incubators. No. 1,115,236; Oct. 27; Gaz. vol. 207; p. 1128.

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- Nichols, Jesse W., Chicago, Ill. Can-seaming machine. No. 1,096,937; May 19; Gaz. vol. 202; p. 680.
- Nichols, Jesse W., Chicago, Ill. Crown-seal-cap machine. No. 1,098,354; May 26; Gaz. vol. 202; p. 1220.
- Nichols, Jesse W., Chicago, Ill. Can-seaming machine. No. 1,115,008; Oct. 27; Gaz. vol. 207; p. 1046.
- Nichols, John C., Janesville, Wis. Horse-collar. No. 1,116,104; Nov. 3; Gaz. vol. 208; p. 219.
- Nichols, Louis C., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Connector. No. 1,092,589; Apr. 7; Gaz. vol. 201; p. 161.
- Nichols, Louis C., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Connector. No. 1,106,053; Aug. 4; Gaz. vol. 205; p. 164.
- Nichols & Shepard Company. (See Hawthorne, Primm R., assignor.)
- Nichols, Stanley D., Roxbury, Vt. Nursing-bottle. No. 1,108,778; Aug. 25; Gaz. vol. 205; p. 1253.
- Nichols, Wesley G., Chicago Heights, Ill. Making steel. No. 1,100,905; June 23; Gaz. vol. 203; p. 1004.
- Nichols, Winfield S., assignor to Independent Harvester Company, Plano, Ill. Disk harrow. No. 1,092,284; Apr. 7; Gaz. vol. 201; p. 57.
- Nichols, Winfield S., assignor to Independent Harvester Company, Plano, Ill. Caster-controller for wheel-plows. No. 1,099,195; June 9; Gaz. vol. 203; p. 325.
- Nichols & Wright Motor Co. (See Nichols and Wright, assignors.)
- Nicholson, Alonzo L., assignor of one-third to E. W. Burch and one-third to H. A. Murphy, Rockwell City, Iowa. End-gate. No. 1,095,665; May 5; Gaz. vol. 202; p. 168.
- Nicholson, Elbert, Sturgis, Mich. Fireplace-hood. No. 1,118,146; Nov. 24; Gaz. vol. 208; p. 1053.
- Nicholson Furnace Company, The. (See Nicholson, John, assignor.)
- Nicholson, James H. (See Johnson, Hans O., assignor.)
- Nicholson, James H. (See Johnson and Nicholson.)
- Nicholson, John, assignor to The Nicholson Furnace Company, Chicago, Ill. Grate. No. 1,122,216; Dec. 22; Gaz. vol. 209; p. 1272.
- Nicholson, John H. (See Slick and Nicholson.)
- Nicholson, Joseph E., *et al.* (See Rogers, Frank M., assignor.)
- Nicholson, Lloyd C., Buffalo, N. Y. Automatic switch arrangement. No. 1,105,823; Aug. 4; Gaz. vol. 205; p. 83.
- Nicholson, Percival, Ardmore, Pa. Sphygmomanometer. No. 1,093,199; Apr. 14; Gaz. vol. 201; p. 404.
- Nicholson, Percival, Ardmore, Pa. Sphygmomanometer. No. 1,094,464; Apr. 28; Gaz. vol. 201; p. 929.
- Nicholson, Robert A., Russellville, assignor of one-half to A. S. Nelson, Oklahoma, Okla. Resilient wheel. No. 1,087,391; Feb. 17; Gaz. vol. 199; p. 727.
- Nicholson, Thomas E. (See Coates, Thomas, assignor.)
- Nicholson, William, San Francisco, Cal. Hemming attachment for sewing-machines. No. 1,117,890; Nov. 17; Gaz. vol. 208; p. 925.
- Nickel, Thomas B., McCracken, Kans. Safety-valve. No. 1,114,796; Oct. 27; Gaz. vol. 207; p. 970.
- Nickels, Leslie J., San Francisco, Cal. Pipette. No. 1,092,384; Apr. 7; Gaz. vol. 201; p. 89.
- Nickerson, Clarendon, assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Drop-hammer. No. 1,093,799; Apr. 21; Gaz. vol. 201; p. 645.
- Nickerson, Clarendon, assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Drop-hammer. No. 1,098,165; May 26; Gaz. vol. 202; p. 1154.
- Nickerson, Edith F., Bourne, Mass. Glove. No. 1,093,877; Apr. 21; Gaz. vol. 201; p. 672.
- Nickerson, Frederick M. (See Reynolds and Nickerson.)
- Nickerson, William E., Cambridge, Mass. Apparatus for testing the durability of cutting edges. No. 1,108,928; Sept. 1; Gaz. vol. 206; p. 24.
- Nickerson, William E., Cambridge, assignor to E. D. Chadwick, trustee, Winchester, Mass. Mounting for automobile-headlights. No. 1,089,430; Mar. 10; Gaz. vol. 200; p. 305.
- Nickless, William A., assignor to A. Steinhardt & Bro., New York, N. Y. Ventilating shoe or slipper tree. No. 1,095,917; May 5; Gaz. vol. 202; p. 252.
- Nickol, Frederick C., and M. C. Stern, assignors to The Egly Register Company, Dayton, Ohio. Autographic register. No. 1,104,127; July 21; Gaz. vol. 204; p. 749.
- Nickolaus, John A., Mount Pleasant, Iowa. Fence-stay. No. 1,097,461; May 19; Gaz. vol. 202; p. 863.
- Niclausse, Albert. (See Niclausse, Jules and A.)
- Niclausse, Albert, Paris, France. Tube for multitubular steam-generators. No. 1,103,531; July 14; Gaz. vol. 204; p. 500.
- Niclausse, Jules and A., Paris, France. Steam-boiler. No. 1,093,067; Apr. 14; Gaz. vol. 201; p. 358.
- Nico, Andrew S. (See Glidden and Nico.)
- Nicol, August, Nieder-Schönhausen, Germany, assignor to General Electric Company. Measuring instrument. No. 1,098,916; June 2; Gaz. vol. 203; p. 191.
- Nicol, John M., Mill Valley, Cal. Concentrator. No. 1,097,139; May 19; Gaz. vol. 202; p. 752.
- Nicola, William G., and A. G. Rupp, Worland, Wyo. Expansion-plate for rotary engines. No. 1,095,223; May 5; Gaz. vol. 202; p. 18.
- Nicolaides, Victor E., San Gabriel, Cal. Irrigation-valve. No. 1,122,795; Dec. 29; Gaz. vol. 209; p. 1513.
- Nicolaysen, Ragnvald M., and H. H. La Vercombe, Detroit, Mich. Grinding-machine. No. 1,101,505; June 23; Gaz. vol. 203; p. 1213.
- Niedner, Adolph O. (See Warner and Niedner.)
- Niedomanski, Otto W., Washington, D. C. Pencil-sharpener. No. 1,089,946; Mar. 10; Gaz. vol. 200; p. 485.
- Niehoff, Ernest, Roanoke, Va. Kite. No. 1,103,817; July 14; Gaz. vol. 204; p. 602.
- Niehoff, Ernest, assignor to Roanoke Wrecking & Salvage Company, Inc., Roanoke, Va. Diving apparatus. No. 1,099,814; June 9; Gaz. vol. 203; p. 538.
- Niekranz, Herman W. F., Toledo, Ohio. Engine. No. 1,098,522; June 2; Gaz. vol. 203; p. 58.
- Nield, John H., Hackensack, N. J., assignor to General Chemical Company, New York, N. Y. Producing hydrochloric acid. No. 1,102,539; July 7; Gaz. vol. 204; p. 111.
- Nielsen, Aage, New York, N. Y. Automatic stop mechanism for phonographs. No. 1,096,794; May 12; Gaz. vol. 202; p. 586.
- Nielsen, Alfred H., Minneapolis, Minn. Egg-turning device for incubators. No. 1,107,201; Aug. 11; Gaz. vol. 205; p. 608.
- Nielsen, Anton E., and L. Geer, New York, N. Y.; said Nielsen assignor to said Geer. Cloth-stamping machine. No. 1,108,929; Sept. 1; Gaz. vol. 206; p. 24.
- Nielsen, Carl C., *et al.* (See Leitschuh, Joseph, assignor.)
- Nielsen, Christian O. (See Camfield and Nielsen.)
- Nielsen, Herman, Frederiksberg, Denmark. Saw-frame. No. 1,115,858; Nov. 3; Gaz. vol. 208; p. 134.
- Nielsen, Iver C., assignor of one-half to G. A. Master, Chicago, Ill. Bottle-washing machine. No. 1,093,068; Apr. 14; Gaz. vol. 201; p. 358.
- Nielsen, Jens, Cedar Falls, Iowa. Horizontal rotary engine or pump. No. 1,088,836; Mar. 3; Gaz. vol. 200; p. 56.
- Nielsen, Jens, Cedar Falls, Iowa. Rotary engine or pump. No. 1,105,449; July 28; Gaz. vol. 204; p. 1259.
- Nielsen, Jens P., *et al.* (See Leitschuh, Joseph, assignor.)
- Nielsen, Niels. (See Frederickson and Nielsen.)
- Nielsen, Niels A., Marton, assignor of one-half to W. S. Marshall, Mangaraupi, New Zealand. Means for inflating pneumatic tires of motor-cars and other vehicles. No. 1,101,708; June 30; Gaz. vol. 203; p. 1332.
- Nielsen, Niels C., Cleveland, Ohio. Folding table. No. 1,103,532; July 14; Gaz. vol. 204; p. 500.
- Nielsen, Peter C., assignor of one-half to E. H. Collis, Portland, Oreg. Combined washboiler and tray. No. 1,105,337; July 28; Gaz. vol. 204; p. 1219.
- Nielsen, Robert, Kamsack, Saskatchewan, Canada. Plumb-level. No. 1,120,737; Dec. 15; Gaz. vol. 209; p. 722.
- Nielsen, Thorvald E., assignor of one-half to E. A. Bryant, Washington, D. C. Fountain-pen attachment. No. 1,112,409; Sept. 29; Gaz. vol. 206; p. 1407.
- Nielson, John, Bandon, Oreg. Lantern. No. 1,112,227; Sept. 29; Gaz. vol. 206; p. 1343.
- Nielson, Niels, Harlan, Iowa. Foldable display-box. No. 1,083,461; Jan. 6; Gaz. vol. 198; p. 68.
- Nieman, Howard H., New York, N. Y. Dust-proof filtering cup-cover. No. 1,120,229; Dec. 8; Gaz. vol. 209; p. 495.
- Nieman, Oren A., New York, N. Y. Boring and facing appliance. No. 1,119,528; Dec. 1; Gaz. vol. 209; p. 217.
- Niemann, Frank, *et al.* (See Newsom, Joseph N., assignor.)
- Niemann, Otto, San Marcos, Tex. Door. No. 1,097,558; May 19; Gaz. vol. 202; p. 895.
- Niemann, William L., Mount Olive, Ill. Poultry-coop. No. 1,090,224; Mar. 17; Gaz. vol. 200; p. 621.
- Niemeier, Henry. (See Frederick and Niemeier.)
- Niemi, David C., Glassport, Pa. Mortising-machine. No. 1,102,678; July 7; Gaz. vol. 204; p. 160.
- Nier, August C., and C. P. Oleson, St. Paul, Minn. Printing device for bookbinders' press-marks. No. 1,113,240; Oct. 13; Gaz. vol. 207; p. 331.
- Nies, John D. (See Kimble and Nies.)
- Nies, John D., St. Charles, assignor to Kimble Electric Co., Chicago, Ill. Rotor construction for induction-motors. No. 1,092,849; Apr. 14; Gaz. vol. 201; p. 285.
- Nies, John D., St. Charles, assignor to Kimble Electric Company, Chicago, Ill. Dynamo-electric machine. No. 1,115,724; Nov. 3; Gaz. vol. 208; p. 88.
- Nies, William F., Biddeford, Me. Fern-dish, jardinière, or similar receptacle. No. 1,087,546; Feb. 17; Gaz. vol. 199; p. 781.
- Niesz, Frank B., Canton, Ohio. Double disk harrow. No. 1,113,241; Oct. 13; Gaz. vol. 207; p. 331.
- Niewiadowski, Gabriel A., Cleveland, Ohio. Bath-tub silencer. No. 1,110,959; Sept. 15; Gaz. vol. 206; p. 826.
- Nigh, Jacob W., Washington, D. C. Combination-garment. No. 1,118,572; Nov. 24; Gaz. vol. 208; p. 1205.
- Nightingale Company, The. (See Ricketts, James B., assignor.)
- Nightingale, John T., *et al.* (See Davidson, John E., assignor.)

Alphabetical list of patentees—Continued.

- Nightingale, Thomas F., Boston, assignor of one-half to A. C. Higgins, Shrewsbury, Mass. Puzzle-box. No. 1,122,217; Dec. 22; Gaz. vol. 209; p. 1273.
- Nielsen, Cornelis R., Rotterdam, Netherlands. Train-brake. No. 1,092,116; Mar. 31; Gaz. vol. 200; p. 1343.
- Niles-Bement-Pond Company. (See Reiss, George T., assignor.)
- Niles-Bement-Pond Company. (See Sears, Willard T., assignor.)
- Niles-Bement-Pond Company. (See Wray and Hagman, assignors.)
- Niles, Dwight A., Windsor, Vt. Edge-trimmer. No. 1,115,963; Nov. 3; Gaz. vol. 208; p. 170.
- Niles, Harry F., Chicago, Ill. Belt-loop. No. 1,099,759; June 9; Gaz. vol. 203; p. 519.
- Niles, Irving F., Plainfield N. J., assignor to R. Hoe and Co., New York, N. Y. Sheet-detector. No. 1,114,020; Oct. 20; Gaz. vol. 207; p. 642.
- Niles, Irving F., Plainfield, N. J., assignor to R. Hoe and Co., New York, N. Y. Paper-cleaning device. No. 1,120,840; Dec. 15; Gaz. vol. 209; p. 758.
- Niles, Irving F., assignor to Potter Printing Press Company, Plainfield, N. J. Printing-press. No. 1,119,861; Dec. 8; Gaz. vol. 209; p. 365.
- Nilsen, Einar, Baltimore, Md. Sanitary protective device for cuspidors. No. 1,122,022; Dec. 22; Gaz. vol. 209; p. 1209.
- Nilson, Arvid, Chicago, Ill. Manufacture of cereal extract. No. 1,120,328; Dec. 8; Gaz. vol. 209; p. 530.
- Nilson, Carl L., Transcona, Canada. Locomotive. No. 1,093,069; Apr. 14; Gaz. vol. 201; p. 359.
- Nilson, Jacob, Clearbrook, Minn. Carrier. No. 1,103,615; July 14; Gaz. vol. 204; p. 532.
- Nilson, Leonard. (See Nilson, Nils and L.)
- Nilson, Nils, Worcester, Mass. Non-refillable bottle. No. 1,083,698; Jan. 6; Gaz. vol. 198; p. 146.
- Nilson, Nils and L., Wayzata, Minn. Mowing-machine. No. 1,111,757; Sept. 29; Gaz. vol. 206; p. 1180.
- Nilson, Nils and L., Wayzata, Minn. Disk plow. No. 1,119,862; Dec. 8; Gaz. vol. 209; p. 366.
- Nilson, Oscar, St. Regis, Mont. Hook. No. 1,086,609; Feb. 10; Gaz. vol. 199; p. 406.
- Nilsson, Axel W., Port Washington, N. Y. Mast and sail connecting device. No. 1,095,467; May 5; Gaz. vol. 202; p. 101.
- Nilsson, Carl V., Philadelphia, Pa. Turfing-machine. No. 1,093,645; Apr. 21; Gaz. vol. 201; p. 594.
- Nilsson, Emil B., assignor to Chi-Ill-Electric Company, Chicago, Ill. Electric-socket plug. No. 1,103,533; July 14; Gaz. vol. 204; p. 500.
- Nilsson, Frans J., Husqvarna, Sweden. Molding-machine. No. 1,118,672; Nov. 24; Gaz. vol. 208; p. 1239.
- Nilsson, John W., Balfour, N. D. Horse-protector. No. 1,113,815; Oct. 13; Gaz. vol. 207; p. 533.
- Nilsson, Wilhelm B., Stockholm, Sweden. Apparatus for beating soap-lather. No. 1,085,992; Feb. 3; Gaz. vol. 199; p. 148.
- Nims, Alvin F., Philadelphia, N. Y. Measuring-machine. No. 1,089,947; Mar. 10; Gaz. vol. 200; p. 486.
- Nimsgern, Harry C., Brown Station, N. Y. Wrench. No. 1,095,347; May 5; Gaz. vol. 202; p. 60.
- Nipper Machine Company. (See Steelman, Sawyer, and Fels, assignors.)
- Nippert, John W., New Brighton, Pa. Spring-wheel. No. 1,107,439; Aug. 18; Gaz. vol. 205; p. 741.
- Nisbet, David F., Crafton, Pa. Stoking-grate for furnaces. No. 1,088,445; Feb. 24; Gaz. vol. 199; p. 1137.
- Nisbet, David F., Crafton, Pa. Furnace-retort. No. 1,110,642; Sept. 15; Gaz. vol. 206; p. 714.
- Nisbett, Charles W. (See Hutchinson, Charles W., assignor.)
- Niskanen, Carl, Milwaukee, Wis. Spot-setting machine. No. 1,100,088; June 16; Gaz. vol. 203; p. 670.
- Nissen, Jeppe P., Odense, Denmark. Mechanical screw-driver and drilling-machine. No. 1,102,947; July 7; Gaz. vol. 204; p. 250.
- Nissen, John P., New York, N. Y. Aeroplane-controlling device. No. 1,085,932; Feb. 3; Gaz. vol. 199; p. 125.
- Nissen, Niels F., assignor to Nyeboe & Nissen, Copenhagen, Denmark. Pasteurizing-machine. No. 1,088,921; Mar. 3; Gaz. vol. 200; p. 84.
- Nissen, Peter N., Los Angeles, Cal. Ore stamp-mill. No. 1,119,308; Dec. 1; Gaz. vol. 209; p. 140.
- Nissinen, Toimi A., New York, N. Y. Roasting apparatus. No. 1,086,843; Feb. 10; Gaz. vol. 199; p. 488.
- Nissinen, Toimi A., New York, assignor to F. G. Zinsser, Hastings-upon-Hudson, N. Y. Mechanism for applying caps to bottles. No. 1,117,891; Nov. 17; Gaz. vol. 208; p. 925.
- Nissinen, Toimi A., and C. Hartwig, New York, assignors to F. G. Zinsser, Hastings-upon-Hudson, N. Y. Feeding mechanism for bottle-stoppers. No. 1,094,163; Apr. 21; Gaz. vol. 201; p. 769.
- Niswanger, Eric W., Hewins, Kans. Skid. No. 1,103,155; July 14; Gaz. vol. 204; p. 373.
- Nitchie, John A., Elm Creek, Nebr. Gearing. No. 1,087,177; Feb. 17; Gaz. vol. 199; p. 650.
- Nitritfabrik Aktiengesellschaft. (See Hamel, Max, assignor.)
- Nitrogen Company, The. (See Acker, Charles E., assignor.)
- Nitrogen Products Company. (See Bucher, John E., assignor.)
- Nitsch, Otto, Harburg-on-the-Elbe, Germany. Electric lock and alarm apparatus. No. 1,100,681; June 16; Gaz. vol. 203; p. 871.
- Nivois, Victor, New York, N. Y. Stop-watch. No. 1,116,836; Nov. 10; Gaz. vol. 208; p. 517.
- Nix, Adolph P., assignor of one-third to P. A. Kagel and one-third to C. Nix, Chicago, Ill. Operating-table. No. 1,086,844; Feb. 10; Gaz. vol. 199; p. 488.
- Nix, Conrad, *et al.* (See Nix, Adolph P., assignor.)
- Nix, Edward A., and J. J. Dowling, assignors of one-third to E. C. Calkins, parish of Orleans, La. Car-frame. No. 1,119,714; Dec. 1; Gaz. vol. 209; p. 280.
- Nix, Edward A., J. J. Dowling, and H. A. Bursley, New Orleans, La. Refrigerator-car-hatch plug. No. 1,092,944; Apr. 14; Gaz. vol. 201; p. 316.
- Nixon, Albion K., Sacramento, Cal. Nursery-chair. No. 1,085,468; Jan. 27; Gaz. vol. 198; p. 835.
- Nixon, Moses C., Lima, Ohio. Hay-rake. No. 1,120,401; Dec. 8; Gaz. vol. 209; p. 556.
- Nixon, Moses C., Lima, Ohio. Baling-press. No. 1,120,402; Dec. 8; Gaz. vol. 209; p. 557.
- Nixon, Robert F., Jr., assignor to G. A. Reach, Philadelphia, Pa. Boxing-glove. No. 1,098,124; May 26; Gaz. vol. 202; p. 1141.
- Nixon, Thomas C., Chicago, Ill. Mechanism for reducing grain to filamentous form. No. 1,106,962; Aug. 11; Gaz. vol. 205; p. 526.
- Nixon, Vergne A., Lake Villa, Ill. Portable engine-truck. No. 1,115,725; Nov. 3; Gaz. vol. 208; p. 88.
- No-Match Gaslighter Company. (See Butler, Frank A., assignor.)
- Nobel, Emanuel, and S. Bessonoff, St. Petersburg, Russia. Apparatus for regenerating the latent heat of evaporation of liquids. No. 1,118,041; Nov. 24; Gaz. vol. 208; p. 1017.
- Nobel's Explosives Company. (See Hodge, Howard D., assignor.)
- Nobel's Explosives Company. (See Jaques and Wells, assignors.)
- Nobis, Gustav, Davenport, Iowa. Electrically-driven pendulum. No. 1,094,238; Apr. 21; Gaz. vol. 201; p. 793.
- Noble, Alanson C., Chicago, Ill. Head-rest for beds. No. 1,092,850; Apr. 14; Gaz. vol. 201; p. 285.
- Noble, Alanson C., Chicago, Ill. Bedstead end. No. 1,096,316; May 12; Gaz. vol. 202; p. 426.
- Noble, Donald, Bridgeport, Conn., assignor to The Singer Manufacturing Company. Stop-motion mechanism for sewing-machines. No. 1,121,655; Dec. 22; Gaz. vol. 209; p. 1079.
- Noble, Edward J., New York, N. Y. Spark-plug. No. 1,110,813; Sept. 15; Gaz. vol. 206; p. 774.
- Noble, Harrison H. (See Russian and Noble.)
- Noble, Harrison T., Togo, Okla. Cotton-picker. No. 1,086,205; Feb. 3; Gaz. vol. 199; p. 221.
- Noble, Lloyd, Chandler, Okla. Currycomb. No. 1,095,515; May 5; Gaz. vol. 202; p. 118.
- Noble, Percy W., Pontiac, Mich. Internal-combustion engine. No. 1,104,442; July 21; Gaz. vol. 204; p. 856.
- Noble, Ralph E., assignor to Morgan-Gardner Electric Company, Chicago, Ill. Set-screw. No. 1,107,177; Aug. 11; Gaz. vol. 205; p. 600.
- Noble, Ralph E., assignor to Morgan-Gardner Electric Company, Chicago, Ill. Brake for cars or locomotives. No. 1,107,178; Aug. 11; Gaz. vol. 205; p. 600.
- Noble, Ralph E., and L. E. Mitchell, assignors to Morgan-Gardner Electric Company, Chicago, Ill. Buffer and draw-gear. No. 1,094,375; Apr. 21; Gaz. vol. 201; p. 836.
- Noble, William A., and A. L. Phillips, Detroit, Mich. Knockdown telephone shelf or stand. No. 1,097,258; May 19; Gaz. vol. 202; p. 794.
- Noble, William A. E., Los Angeles, Cal. Turn-table. No. 1,089,582; Mar. 10; Gaz. vol. 200; p. 360.
- Noble, William C. H., Los Angeles, Cal. Means for humidifying and washing air. No. 1,100,144; June 16; Gaz. vol. 203; p. 690.
- Noblett, Adoniram J., Waco, Tex. Cotton-chopper. No. 1,095,224; May 5; Gaz. vol. 202; p. 18.
- Noblett, Robert, Audenshaw, near Manchester, England. Apparatus for stretching hides, skins, and the like. No. 1,105,824; Aug. 4; Gaz. vol. 205; p. 83.
- Nocher, Gustave E., Paris, France. Fifth-wheel. No. 1,101,321; June 23; Gaz. vol. 203; p. 1149.
- Noé, Amon T., New York, N. Y., assignor to Electric Renovator Manufacturing Co., Pittsburgh, Pa. Pneumatic renovating-machine. No. 1,096,743; May 12; Gaz. vol. 202; p. 569.
- Noel, Allen, Springfield, Ohio. Corn-planter. No. 1,097,351; May 19; Gaz. vol. 202; p. 827.
- Noel, Peter J. (See George, Tuffield, assignor.)
- Noelle, Max, Westminster, London, England. Elevating and discharging apparatus. No. 1,103,616; July 14; Gaz. vol. 204; p. 532.
- Noelting, Bernhard H., Nebraska City, Nebr., assignor to Faultless Caster Company. Caster. No. 1,111,085; Sept. 22; Gaz. vol. 206; p. 912.
- Noesting Pin-Ticket Company. (See Bayer, Joseph, Jr., assignor.) (Reissue.)

Alphabetical list of patentees—Continued.

- Noesting Pin Ticket Company. (See Livingston, William, assignor.)
- Noetzel, Gregor, Washington, D. C. Vacuum printing-frame. No. 1,096,640; May 12; Gaz. vol. 202; p. 535.
- Noetzel, Gustav A., and W. P. Ferris, Waukesha, Wis., assignors to Precision Metal Workers, Chicago, Ill. Nail. No. 1,117,429; Nov. 17; Gaz. vol. 208; p. 763.
- Noftz, Harry R., assignor to The National Supply Company, Toledo, Ohio. Rotary earth drilling and boring machine. No. 1,119,446; Dec. 1; Gaz. vol. 209; p. 188.
- Nogar, August, assignor of one-eighth to G. Jakabcin and one-eighth to J. Jakabcin, Reading, Pa. Non-sinkable ship. No. 1,119,715; Dec. 1; Gaz. vol. 209; p. 280.
- Nogier, Thomas, Lyon, France. Apparatus for sterilizing liquids by means of the ultra-violet rays. No. 1,091,382; Mar. 24; Gaz. vol. 200; p. 1048.
- Noguer-Usall, Joseph, New Haven, Conn. Machine for sorting hair. No. 1,090,560; Mar. 17; Gaz. vol. 200; p. 740.
- Noguer-Usall, Joseph, New Haven, Conn. Hackle. No. 1,115,726; Nov. 3; Gaz. vol. 208; p. 89.
- Nohr, Julius J., Crofton, Nebr. Combined stalk-cutter and roller. No. 1,089,948; Mar. 10; Gaz. vol. 200; p. 486.
- Noiseless Typewriter Company, The. (See Anderson, Nils H., assignor.)
- Noiseless Typewriter Company, The. (See Bishop, Ernest B., assignor.)
- Noiseless Typewriter Company, The. (See Blair, Robert S., assignor.)
- Noiseless Typewriter Company, The. (See Kidder, Wellington P., assignor.)
- Noiseless Typewriter Company, The. (See Kidder and Sponsel, assignors.)
- Noiseless Typewriter Company, The. (See Lorenz, Edward H., assignor.)
- Noiseless Typewriter Company, The. (See Lorenz, William A., assignor.)
- Noiseless Typewriter Company, The. (See Ronchetti, Joseph A., assignor.)
- Nolan, Cornelius J., assignor to The Libbey Glass Company, Toledo, Ohio. Annealing-tray. No. 1,083,409; Jan. 6; Gaz. vol. 198; p. 52.
- Nolan, Francis A., St. Paul, Minn. Shoe-heel. No. 1,096,008; May 5; Gaz. vol. 202; p. 283.
- Nolan, Francis A., St. Paul, Minn. Heel-fastener. (Reissue.) No. 1,3728; May 12; Gaz. vol. 202; p. 599.
- Nolan, Francis A., St. Paul, Minn. Shoe-heel. (Reissue.) No. 1,3840; Dec. 1; Gaz. vol. 209; p. 309.
- Nolan, Henry, Brooklyn, N. Y. Cable-grip. No. 1,114,637; Oct. 20; Gaz. vol. 207; p. 860.
- Nolan, Samuel, San Francisco, Cal. Cuttlebone-holder. No. 1,113,816; Oct. 13; Gaz. vol. 207; p. 534.
- Nold, Solomon E., assignor to The Aluminum Foundry Company, Alliance, Ohio. Combined spreader and clamp for tires. No. 1,094,164; Apr. 21; Gaz. vol. 201; p. 769.
- Nolde & Horst Co., The. (See Wolfe, William, assignor.)
- Nolde & Horst Company. (See Robinson, Frank W., assignor.)
- Nolden, Paul E., assignor to Anheuser-Busch Brewing Association, St. Louis, Mo. Air-filter. No. 1,091,695; Mar. 31; Gaz. vol. 200; p. 1198.
- Nolder, Francis M., Westboro, Ohio. Dirigible headlight. No. 1,084,471; Jan. 13; Gaz. vol. 198; p. 430.
- Nolder, Francis M., Westboro, Ohio. Wrench. No. 1,097,043; May 19; Gaz. vol. 202; p. 718.
- Nolen, James G., assignor, by mesne assignments, to Automatic Fire Protection Company, New York, N. Y. Supervisory alarm system. No. 1,120,623; Dec. 8; Gaz. vol. 209; p. 636.
- Nolet, Paul, Brussels, Belgium. Combined explosion or internal-combustion and compressed-air engine. No. 1,090,561; Mar. 17; Gaz. vol. 200; p. 740.
- Noll, Harry R., and W. B. Hollingsworth, Williamsport, assignors of one-third to J. C. Smart, Cloudersport, Pa. Engine-starter. No. 1,090,165; Mar. 17; Gaz. vol. 200; p. 601.
- Noll, John, New York, N. Y., assignor to American Telephonograph Corporation, Wilmington, Del. Sound-recording apparatus. No. 1,118,219; Nov. 24; Gaz. vol. 208; p. 1079.
- Nollesche Werke, Ernst Nolle. (See Walther, Heinrich, assignor.)
- Nolte, Frederick W., Victoria, British Columbia, Canada. Eyeglass-mounting. No. 1,110,002; Sept. 8; Gaz. vol. 206; p. 447.
- Nonneman, Ira W., assignor to The Borden Company, Warren, Ohio. Pipe-threading tool. No. 1,115,727; Nov. 3; Gaz. vol. 208; p. 89.
- Nonnet, Léon, Brussels, Belgium. Stabilizing bisulfites. No. 1,087,547; Feb. 17; Gaz. vol. 199; p. 781.
- Noon, William J., Lynn, Mass. Counter-guard for heel-trimming machines. No. 1,094,587; Apr. 28; Gaz. vol. 201; p. 971.
- Noonan, James H., San Diego, Cal. Ball game. No. 1,120,076; Dec. 8; Gaz. vol. 209; p. 440.
- Noonan, John J., St. Louis, Mo. Loose-leaf book. No. 1,115,964; Nov. 3; Gaz. vol. 208; p. 170.
- Noonen Manufacturing Company, The. (See Noonen, Thomas H., assignor.)
- Noonen, Thomas H., New Rochelle, assignor to The Noonen Manufacturing Company, New York, N. Y. Necktie former and holder. No. 1,121,123; Dec. 15; Gaz. vol. 209; p. 860.
- Noonen, William. (See Lawrence and Noonen.)
- Noras, Anna, Buffalo, N. Y. Suspenders. No. 1,119,716; Dec. 1; Gaz. vol. 209; p. 280.
- Norberg, Oscar W., Alamosa, Colo. Pneumatic tool. No. 1,107,179; Aug. 11; Gaz. vol. 205; p. 600.
- Norbo, Elven, Cashton, Wis. Wrench. No. 1,096,187; May 12; Gaz. vol. 202; p. 380.
- Norbo, Elven, Cashton, Wis. Flue-cleaner. No. 1,096,559; May 12; Gaz. vol. 202; p. 507.
- Norbo, Elven, Cashton, Wis. Automatic cattle-feeding machine. No. 1,101,322; June 23; Gaz. vol. 203; p. 1150.
- Norbury, Leon S., Brooklyn, N. Y. Non-skidding tire appliance. No. 1,109,699; Sept. 8; Gaz. vol. 206; p. 339.
- Norcross, Frank E., E. A. Solomon, Philadelphia, Pa., and W. H. Rogers, deceased, Merchantville, N. J.; H. P. Rogers, administratrix. Locking device. No. 1,098,917; June 2; Gaz. vol. 203; p. 191.
- Nord, Walter G. (See Evans and Nord.)
- Nordeck, Philip. (See Benedict and Nordeck.)
- Nordeen, August, and A. Krell, assignors to Krell Auto-Grand Piano Co. of America, Connerville, Ind. Spool-operating device for musical instruments. No. 1,089,721; Mar. 10; Gaz. vol. 200; p. 407.
- Nordeen, Herman G., Everett, Wash. Weighing-scale. No. 1,108,610; Aug. 25; Gaz. vol. 205; p. 1198.
- Nordell, Carl, Gilbertville, Mass. Bobbin-stop. No. 1,094,239; Apr. 21; Gaz. vol. 201; p. 793.
- Norden, Joseph. (See Norden, Mortimer, assignor.)
- Norden, Mortimer, assignor to J. Norden, New York, N. Y. Electric sign. No. 1,102,788; July 7; Gaz. vol. 204; p. 197.
- Nordhop, Lewis E., Rockton, Ill. Indicator. No. 1,122,023; Dec. 22; Gaz. vol. 209; p. 1209.
- Nordike, Charles H., Watkins, N. Y. Moistener. No. 1,098,459; June 2; Gaz. vol. 203; p. 36.
- Nordlie, John E., assignor of one-half to V. A. Nordlie, Sioux Falls, S. D. Combination square, protractor, and level. No. 1,118,907; Nov. 24; Gaz. vol. 208; p. 1316.
- Nordlie, Viola A. (See Nordlie, John E., assignor.)
- Nordman, Joshua J., Wexford, Pa. Puzzle game. No. 1,119,309; Dec. 1; Gaz. vol. 209; p. 140.
- Nordquist, Carl A. P., Chicago, Ill. Poultry-fountain. No. 1,114,638; Oct. 20; Gaz. vol. 207; p. 860.
- Nordyke & Marmon Co. (See Brantingham, Allen C., assignor.)
- Nordyke & Marmon Company. (See Garber, Jesse M., assignor.)
- Nordyke & Marmon Company. (See Hassler, Robert H., assignor.)
- Nordyke & Marmon Company. (See Marmon, Howard C., assignor.)
- Noreck, Herrman, Norfolk, Va. Broiler-baker. No. 1,113,473; Oct. 13; Gaz. vol. 207; p. 414.
- Noreko, John, Pittsburgh, Pa. Car-window-opening device. No. 1,094,863; Apr. 28; Gaz. vol. 201; p. 1070.
- Norgaard, Elmer E., Council Bluffs, Iowa. Signal-valve mechanism. No. 1,096,262; May 12; Gaz. vol. 202; p. 408.
- Norling, Reinhold A. (See Levedahl and Norling.)
- Norling, Reinhold A., assignor to Aurora Automatic Machinery Company, Aurora, Ill. Pneumatic-turbine drill. No. 1,099,392; June 9; Gaz. vol. 203; p. 395.
- Norling, Reinhold A., assignor to Aurora Automatic Machinery Company, Aurora, Ill. Pneumatic turbine-drill. No. 1,105,825; Aug. 4; Gaz. vol. 205; p. 83.
- Norlund, Olof A., Williamsport, Pa. Can-opener. No. 1,115,965; Nov. 3; Gaz. vol. 208; p. 171.
- Norma-Compagnie G. m. b. H. (See Hirth, Carl A., assignor.)
- Norman, David L., Philadelphia, Pa. Automatic fastener for window-closures. No. 1,098,832; June 2; Gaz. vol. 203; p. 160.
- Norman, Geoffrey H., Blackheath, England. Spring-suspension arrangement of motor-cars and other vehicles. No. 1,096,938; May 19; Gaz. vol. 202; p. 681.
- Norman, John F., assignor of one-half to C. Ershick, Lima, Ohio. Appliance for breaking metal nuts. No. 1,102,162; June 30; Gaz. vol. 203; p. 1493.
- Norman, Lionel, Winchester, Mass. Paper pail. No. 1,119,981; Dec. 8; Gaz. vol. 209; p. 408.
- Norman, Magnus, et al. (See Swanberg, Arthur W., assignor.)
- Norman, Maxwell, Newport, R. I. Water-supply apparatus for cattle. No. 1,100,250; June 16; Gaz. vol. 203; p. 726.
- Norman, Thomas H. (See Williams and Norman.)
- Norman, William F., Nevada, Mo. Ridge-cap. No. 1,090,334; Mar. 17; Gaz. vol. 200; p. 659.
- Normandin, Michel E., Los Angeles, Cal. Adjustable auxiliary shank for shoes. No. 1,091,696; Mar. 31; Gaz. vol. 200; p. 1199.
- Normandin, Paul A., Boston, Mass. Tire-protector. No. 1,116,725; Nov. 10; Gaz. vol. 208; p. 477.
- Noro, Selkichi, Gladwyne, Pa. Attachment for horseshoes. No. 1,093,351; Apr. 14; Gaz. vol. 201; p. 456.

Alphabetical list of patentees—Continued.

- Norpoth, Theodor, St. Louis, assignor of one-third to R. B. Minnis, Carrollton, Mo. Type-writer manifold attachment. No. 1,092,115; Mar. 31; Gaz. vol. 200; p. 1342.
- Norris, Albert F. and C. H. Stoughton, Mass. Pedal-lever spring. No. 1,117,892; Nov. 17; Gaz. vol. 208; p. 925.
- Norris, Almon E., Cambridge, Mass. Controlling device. No. 1,088,293; Feb. 24; Gaz. vol. 199; p. 1086.
- Norris, Arthur, assignor of one-fourth to F. C. Farquharson, Trinidad, and one-fourth to L. R. Gottlieb, Coke-dale, Colo. Gas-distributor for hydrocarbon-engines. No. 1,117,221; Nov. 17; Gaz. vol. 208; p. 690.
- Norris, Clifton H. (See Norris, Albert F. and C. H.)
- Norris, Emmet L. (See Bardin and Norris.)
- Norris, Francis, Jr. (See Gruver, Joseph H., assignor.)
- Norris, Frank P., *et al.* (See MacCallum, Norman E., assignor.) (Reissue.)
- Norris, George F., Malden, assignor of fifty-one one-hundredths to A. Steinert, Boston, Mass. Sound-reproducing apparatus. No. 1,120,841; Dec. 15; Gaz. vol. 209; p. 759.
- Norris, Hallie, assignor of one-half to W. M. Rees, Pittsburgh, Pa. Spike. No. 1,111,720; Sept. 22; Gaz. vol. 206; p. 1132.
- Norris, Robert E., Fayetteville, Ark. Fruit-picker. No. 1,121,279; Dec. 15; Gaz. vol. 209; p. 911.
- Norris, Samuel E., Crowell, Tex. Seeder and planter. No. 1,093,462; Apr. 14; Gaz. vol. 201; p. 492.
- Norris, William J., Reynoldsville, Pa. Envelop-fastener. No. 1,087,049; Feb. 10; Gaz. vol. 199; p. 555.
- Norris, William L. (See Heninger, Schrader, and Norris.)
- Norsk Hydro-Elektrisk Kvaelfstoftaktieselskab. (See Collett, Emil, assignor.)
- Norsk Hydro-Elektrisk Kvaelfstoftaktieselskab. (See Edwin, Hähne, and Strasser, assignors.)
- Norsk Hydro-Elektrisk Kvaelfstoftaktieselskab. (See Scharff, Max, assignor.)
- Norsk Hydro-Elektrisk Kvaelfstoftaktieselskab. (See Schloesing, Alphonse T., assignor.)
- Norsk Hydro-Elektrisk Kvaelfstoftaktieselskab. (See Schönherr and Hessberger, assignors.)
- Norsk Hydro-Elektrisk Kvaelfstoftaktieselskab. (See Scott-Hansen, Alf, assignor.)
- Norsk Hydro-Elektrisk Kvaelfstoftaktieselskab. (See Troye and Edwin, assignors.)
- Norsk Hydroelektrisk Kvaelfstoftaktieselskab. (See Bosch and Wild, assignors.)
- Norstrand, Hans P. G., assignor to Rathbone, Sard & Company, Albany, N. Y. Mixer-cap for gas-range burners. No. 1,084,472; Jan. 13; Gaz. vol. 198; p. 430.
- Norstrom, Nils E., Chicago, Ill., assignor to The Anderson Electric and Manufacturing Company; McPherson, Kans. Party-line exchange. No. 1,114,379; Oct. 20; Gaz. vol. 207; p. 771.
- North American Chemical Company. (See Thoma, Andrew, assignor.)
- North American Chemical Company. (See Torrey, William F., assignor.)
- North British Rubber Company Limited, The. (See Porritt, Benjamin D., assignor.)
- North Bro's M'fg Co. (See Fegley and Leopold, assignors.)
- North Bro's M'fg Co. (See Leopold, George O., assignor.)
- North East Electric Company. (See Halbleib, Edward A., assignor.)
- North, Francis S., assignor to Union Special Machine Company, Chicago, Ill. Looper-support. No. 1,110,814; Sept. 15; Gaz. vol. 206; p. 774.
- North, Gilbert, Stretford, England, assignor to Westinghouse Electric and Manufacturing Company. Alternating-current electric meter. No. 1,116,472; Nov. 10; Gaz. vol. 208; p. 384.
- North, Henry. (See Oberer, Fredolien J., assignor.)
- North, Israel R., Baltimore, Md. Collar-button guard for shirts. No. 1,105,295; July 28; Gaz. vol. 204; p. 1203.
- North, Jacob, Clinton, Ill. Cleaning implement. No. 1,117,513; Nov. 17; Gaz. vol. 208; p. 793.
- North & Judd Manufacturing Company. (See Schoellkopf, Jacob F., assignor.)
- North, Raymond F., Glendive, Mont. Spraying-machine. No. 1,091,952; Mar. 31; Gaz. vol. 200; p. 1289.
- North, Samuel N., Muncie, Ind. Safety appliance for containers. No. 1,118,573; Nov. 24; Gaz. vol. 208; p. 1205.
- North, Stanley C., Elmira, N. Y. Tool for removing engine-valves. No. 1,105,096; July 28; Gaz. vol. 204; p. 1134.
- North Star Manufacturing Company. (See Starman, Joseph, assignor.)
- Northampton Machinery Co. Limited, The. (See Collier and Edwards, assignors.)
- Northern Equipment Company. (See Hunter, Rudolph M., assignor.)
- Northern Insulating Company. (See Ellis, George H., assignor.)
- Northern Paper Mills. (See Bell and Fogarty, assignors.)
- Northern Trust Company, The, executor. (See Barrett, Saxton S.)
- Northey, Frederick O., New Orleans, La., assignor to Parke, Davis & Company, Detroit, Mich. Syringe. No. 1,115,561; Nov. 3; Gaz. vol. 208; p. 32.
- Northrop, Delbert W., Brookline, Mass. Union fabric. No. 1,122,990; Dec. 29; Gaz. vol. 209; p. 1582.
- Northrop, Herbert A., deceased, Palmer, Mass.; J. M. Northrop, executrix. Screen. No. 1,123,136; Dec. 29; Gaz. vol. 209; p. 1633.
- Northrop, Josie M., executrix. (See Northrop, Herbert A.)
- Northrop, Walter, Hopedale, Mass., assignor to The American Fruit Machinery Company. Shelling peas and like vegetable matters. No. 1,118,673; Nov. 24; Gaz. vol. 208; p. 1240.
- Northrup, Elmer C., assignor to Automatic Machine Company, San Francisco, Cal. Box-nailing mechanism. No. 1,112,083; Sept. 29; Gaz. vol. 206; p. 1291.
- Northrup, Leon A., San Francisco, Cal. Alarm system. No. 1,121,124; Dec. 15; Gaz. vol. 209; p. 860.
- Northup, Frank, Ludlow, Vt., assignor of one-eighth to J. B. Reid, and one-eighth to W. W. Avery, one-eighth to J. B. Reid, and one-eighth to R. L. Reid, Alexandria Bay, N. Y. Train-stopping apparatus. No. 1,103,818; July 14; Gaz. vol. 204; p. 602.
- Northup, Joseph, *et al.* (See Northup, Frank, assignor.)
- Northwestern Construction Company. (See Banks, William C., assignor.)
- Northwestern Electric Company. (See Clark, Maurice J., assignor.)
- Northwestern Expanded Metal Company. (See Arey, Fred C., assignor.)
- Northwestern Knitting Company. (See Chatfield, Franklin, assignor.)
- Northwestern Mail Box Co. (See Linck, Albert J., assignor.)
- Northwestern Novelty Company. (See Bolen, Emerson A., assignor.)
- Norton, Aaron F., Los Angeles, Cal. Means used in accounting systems. No. 1,097,107; May 19; Gaz. vol. 202; p. 740.
- Norton, Allen, Sedalla, Mo. Poultry-brooder. No. 1,120,738; Dec. 15; Gaz. vol. 209; p. 722.
- Norton, Charles H., Worcester, Mass. Testing device. No. 1,109,008; Sept. 1; Gaz. vol. 206; p. 54.
- Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Apparatus for grinding rolls. No. 1,096,188; May 12; Gaz. vol. 202; p. 380.
- Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Grinding rolls. No. 1,096,189; May 12; Gaz. vol. 202; p. 380.
- Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Open bearing. No. 1,096,190; May 12; Gaz. vol. 202; p. 381.
- Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Surface-grinding machine. No. 1,108,779; Aug. 25; Gaz. vol. 205; p. 1253.
- Norton, Charles H., Worcester, Mass., assignor to Norton Grinding Company of Massachusetts. Power-transmission device. No. 1,115,728; Nov. 3; Gaz. vol. 208; p. 89.
- Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Foot-stock support. No. 1,119,030; Dec. 1; Gaz. vol. 209; p. 47.
- Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Steady-rest for use on grinding-machines and the like. No. 1,119,031; Dec. 1; Gaz. vol. 209; p. 47.
- Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Cylindrical grinding-machine. No. 1,119,717; Dec. 1; Gaz. vol. 209; p. 280.
- Norton, Clifford S., Pleasantville, N. Y. Cash-fare ticket. No. 1,086,688; Feb. 10; Gaz. vol. 199; p. 432.
- Norton Door Check Co. (See Norton, Lewis C., assignor.)
- Norton, Downes E., London, England. Tobacco-pipe filler and pouch for use therewith. No. 1,104,068; July 21; Gaz. vol. 204; p. 729.
- Norton, Edwin, New York, N. Y. Making metal sheets. No. 1,108,213; Aug. 25; Gaz. vol. 205; p. 1059.
- Norton, Edwin, Paget West, Bermuda. Manufacture of metal sheets. No. 1,113,474; Oct. 13; Gaz. vol. 207; p. 415.
- Norton, Edwin, Hamilton, Bermuda. Metal can-body or composite blank therefor. No. 1,114,508; Oct. 20; Gaz. vol. 207; p. 819.
- Norton, Eugene E., Bridgeport, Conn., assignor to J. A. Whitman, New York, N. Y. Talking-machine. No. 1,095,225; May 5; Gaz. vol. 202; p. 18.
- Norton, Eugene E., Bridgeport, Conn., assignor, by mesne assignments, to R. Dugan, Roslyn, N. Y. Speed-controller. No. 1,110,293; Sept. 8; Gaz. vol. 206; p. 551.
- Norton, Fred E., Lynn, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 1,091,011; Mar. 24; Gaz. vol. 200; p. 923.
- Norton, Fred E., Lynn, Mass., assignor to General Electric Company. Extracting steam from steam-turbines. No. 1,091,078; Mar. 24; Gaz. vol. 200; p. 947.
- Norton, Fred E., Lynn, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 1,094,393; Apr. 21; Gaz. vol. 201; p. 842.
- Norton, Fred E., Lynn, Mass., assignor to General Electric Company. Variable spring for governors. No. 1,096,386; May 12; Gaz. vol. 202; p. 449.
- Norton, Fred E., Lynn, and F. A. Wilson, Nahant, Mass. Induction-generator. No. 1,084,594; Jan. 13; Gaz. vol. 198; p. 474.

Alphabetical list of patentees—Continued.

- Norton Grinding Company. (See Norton, Charles H., assignor.)
- Norton Grinding Company. (See Spence, John C., assignor.)
- Norton Grinding Company. (See White, Alphonzo, assignor.)
- Norton, James A., Odebolt, Iowa, assignor of one-half to F. T. Thurber, Sterling, Colo. Pump. No. 1,087,253; Feb. 17; Gaz. vol. 199; p. 679.
- Norton, John, New York, N. Y. Lawn game. No. 1,102,948; July 7; Gaz. vol. 204; p. 251.
- Norton, John P., Orange, Conn. Open-face slip-index. No. 1,120,967; Dec. 15; Gaz. vol. 209; p. 802.
- Norton, Lewis C., assignor to Norton Door Check Co., Chicago, Ill. Liquid door-check. No. 1,117,693; Nov. 17; Gaz. vol. 208; p. 857.
- Norton, Lewis C., assignor to Norton Door Check Company, Chicago, Ill. Door operating and locking mechanism. No. 1,117,694; Nov. 17; Gaz. vol. 208; p. 857.
- Norton, Ralph A., Newcastle-upon-Tyne, England. Vault-cover. No. 1,105,826; Aug. 4; Gaz. vol. 205; p. 84.
- Norton, Raymond P., Marshalltown, Iowa. Carbureter. No. 1,107,698; Aug. 18; Gaz. vol. 205; p. 833.
- Norton, Reuben W., Hastings, Nebr. Endless conveyer. No. 1,108,386; Aug. 25; Gaz. vol. 205; p. 1120.
- Norton, Richard J., Washington, D. C. Adjuster for flexible pendants. No. 1,108,468; Aug. 25; Gaz. vol. 205; p. 1147.
- Norton, Samuel H., Meadville, Pa. Crutch. No. 1,090,940; Mar. 24; Gaz. vol. 200; p. 899.
- Norton, Samuel T. (See Norton, Simon, assignor.)
- Norton, Simon, assignor to S. T. Norton, Los Angeles, Cal. Desk-clamp. No. 1,107,543; Aug. 18; Gaz. vol. 205; p. 776.
- Norton, Vivian V., assignor of one-half to F. C. Cochran, Batavia, N. Y. Valve attachment. No. 1,116,105; Nov. 3; Gaz. vol. 208; p. 219.
- Norvold, Albert H. (See Myrholm, Peder, assignor.)
- Norwald Manufacturing Company. (See Hoffman, George D., assignor.)
- Norwall Manufacturing Company. (See Hoffman, George D., assignor.)
- Norzagaray, Leonidas, assignor to The Economic Rubber Washing Machine Co. Limited, London, England. Machine for treating rubber. No. 1,110,340; Sept. 15; Gaz. vol. 206; p. 607.
- Nosworthy, William H., and S. J. Prescott, London, England. Hydroaeroplane. No. 1,122,531; Dec. 29; Gaz. vol. 209; p. 1420.
- Nothacker, Albert J. (See Paulson, Charles J., assignor.)
- Notman, Clarence A., Alliance, Ohio. Stove. No. 1,105,683; Aug. 4; Gaz. vol. 205; p. 33.
- Notman, Robert L., assignor to McKinnon Dash Company, Buffalo, N. Y. Folding or camp chair. No. 1,113,573; Oct. 13; Gaz. vol. 207; p. 449.
- Noto, Nick. (See Chillis, William G., assignor.)
- Nott, Sydney C., La Grange, Ill. Attaching means for type-writers and the like. No. 1,119,108; Dec. 1; Gaz. vol. 209; p. 73.
- Nottberg, William. (See Heim and Nottberg.)
- Nottingham, George B. (See Reed, James L., assignor.)
- Notwal Company, The. (See Lawton, John, assignor.)
- Nourbourn, James W. (See Dole and De Zara, assignors.)
- Nourse, Frank P., Lewiston, Idaho. Speculum. No. 1,090,746; Mar. 17; Gaz. vol. 200; p. 800.
- Nourse, Rupert A. (See Schartow, Frank E., assignor.)
- Novak, John, Newark, N. J. Fire-escape apparatus. No. 1,117,695; Nov. 17; Gaz. vol. 208; p. 858.
- Novelty Manufacturing Company, The. (See Fitzsimons, Louis E., assignor.)
- Novelty Manufacturing Company, The. (See Hammon, Carl F., assignor.)
- Nover, Morris, New York, N. Y. Hand-bag. No. 1,084,101; Jan. 13; Gaz. vol. 198; p. 309.
- Novi, Giovanni, Rome, Italy. Matrix-making machine. No. 1,100,145; June 16; Gaz. vol. 203; p. 690.
- Novick, Abraham, Brooklyn, assignor to F. L. Schmidt Company, New York, N. Y. Washer and string attaching mechanism. No. 1,104,128; July 21; Gaz. vol. 204; p. 749.
- Novick, Abraham, assignor to F. L. Schmidt Company, New York, N. Y. Envelop-machine. No. 1,121,125; Dec. 15; Gaz. vol. 209; p. 860.
- Novotny, Stanley B., and R. Jackman, Cedar Rapids, Iowa. Vehicle-lamp. No. 1,085,469; Jan. 27; Gaz. vol. 198; p. 835.
- Novacki, Maryjan, Camden, N. J. Life-preserver. No. 1,115,094; Oct. 27; Gaz. vol. 207; p. 1077.
- Nowland, George, *et al.* (See Buck, Isaiah D., assignor.)
- Noxon Company, The. (See Riley, Vance, and Jenkins, assignors.)
- Noyes, Arthur A., trustee. (See Mailley, Roy D., assignor.)
- Noyes, Frederick C., Alexis, Ill. Marking-tag. No. 1,110,509; Sept. 15; Gaz. vol. 206; p. 668.
- Noyes, La Verne W., assignor to Aermotor Company, Chicago, Ill. Engine. No. 1,086,845; Feb. 10; Gaz. vol. 199; p. 489.
- Noyes, La Verne W., assignor to The Aermotor Company, Chicago, Ill. Ladder. No. 1,101,949; June 30; Gaz. vol. 203; p. 1418.
- Noyes, La Verne W., assignor to Aermotor Company, Chicago, Ill. Supporting structure. No. 1,121,280; Dec. 15; Gaz. vol. 209; p. 912.
- Noyes, M. Paul. (See Wellstead, Henry, assignor.)
- Noyes, Pierrepont B., assignor to Oneida Community Limited, Oneida, N. Y. Polishing plated flat-ware. No. 1,085,933; Feb. 3; Gaz. vol. 199; p. 126.
- Nudelman, Solomon. (See Packewitz and Nudelman.)
- Nugen, Dorcie R., Auburn, Ind. Automatic air-brake coupling. No. 1,084,955; Jan. 20; Gaz. vol. 198; p. 624.
- Nugent, Anthony F., New York, N. Y. Fastening. No. 1,115,237; Oct. 27; Gaz. vol. 207; p. 1128.
- Nugent, Edgar A., Unionville, N. Y. Pencil-sharpener. No. 1,122,149; Dec. 22; Gaz. vol. 209; p. 1250.
- Nugent, Frederick, Mace, Idaho, assignor of one-half to L. R. Nugent, Missoula, Mont. Mining-machine chuck. No. 1,109,865; Sept. 8; Gaz. vol. 206; p. 397.
- Nugent, Harvey C., Winslow, Wash. Saw. No. 1,100,606; June 16; Gaz. vol. 203; p. 846.
- Nugent, Levi R. (See Nugent, Frederick, assignor.)
- Null, Gerd A., Craig, Iowa. Safety-lock. No. 1,109,081; Sept. 1; Gaz. vol. 206; p. 80.
- Numan, Charles H., New York, N. Y. Inkstand. No. 1,116,319; Nov. 3; Gaz. vol. 208; p. 289.
- Nunamaker, James R., Hood River, Oreg. Adjustable grader. No. 1,109,866; Sept. 8; Gaz. vol. 206; p. 397.
- Nunes, Manuel J., Niles, Cal. Rat-trap. No. 1,086,610; Feb. 10; Gaz. vol. 199; p. 406.
- Nungesser Carbon & Battery Company. (See Nungesser, Philip P., assignor.)
- Nungesser, Philip P., assignor to The Nungesser Carbon & Battery Company, Cleveland, Ohio. Electrical conductor. No. 1,090,872; Mar. 24; Gaz. vol. 200; p. 875.
- Nunn, Harry V. (See Metcalf and Nunn.)
- Nunn, Henry C., Fort Gay, W. Va. Rail-fastener. No. 1,087,392; Feb. 17; Gaz. vol. 199; p. 727.
- Nunn, John M., Sherman, Tex. Display device for doors. No. 1,110,399; Sept. 15; Gaz. vol. 206; p. 628.
- Nunnelley, Herbert L. and S. C., Greendale, Ky. Tobacco-harvester. No. 1,090,747; Mar. 17; Gaz. vol. 200; p. 800.
- Nunnelley, Spencer C. (See Nunnelley, Herbert L. and S. C.)
- Nurian, Kerson, New York, N. Y. Wire-clamp or analogous device. No. 1,087,973; Feb. 24; Gaz. vol. 199; p. 976.
- Nürnberg Metall- & Lackierwarenfabrik vorm. Gebrüder Bing A. G. (See Dangel, Friedrich, assignor.)
- Nürnberg Metall- & Lackierwarenfabrik vorm. Gebrüder Bing A. G. (See Michaelis, William, assignor.)
- Nusim, Melach I., Lynn, Mass., assignor to General Electric Company. Preventing pulsations in centrifugal compressors. No. 1,097,259; May 19; Gaz. vol. 202; p. 794.
- Nute, John L., Shippensburg, Pa. Adjustable mold-jacket. No. 1,096,449; May 12; Gaz. vol. 202; p. 470.
- Nutry and Cook Manufacturing Company. (See Nutry, John, assignor.)
- Nutry, John, Ridgewood, N. J., assignor to Nutry and Cook Manufacturing Company, Brooklyn, N. Y. Exhibit device. No. 1,089,858; Mar. 10; Gaz. vol. 200; p. 453.
- Nutt, Frank N., assignor to The Haynes Automobile Company, Kokomo, Ind. Flexible coupling. No. 1,089,859; Mar. 10; Gaz. vol. 200; p. 453.
- Nuttall, Daniel E., Emsworth, Pa. Weed-puller. No. 1,105,684; Aug. 4; Gaz. vol. 205; p. 34.
- Nuttall, James, Bury, England. Doctor or scraper for cleaning the surfaces of cylinders, rolls, and the like. No. 1,092,798; Apr. 7; Gaz. vol. 201; p. 231.
- Nutter, Charles P., Malden, Mass. Butter-cutter. No. 1,115,331; Oct. 27; Gaz. vol. 207; p. 1158.
- Nutter, Charles P., Malden, and J. E. Chatman, Swampscott, Mass. Combined heating and sprinkler system. No. 1,087,136; Feb. 17; Gaz. vol. 199; p. 637.
- Nutter, Edward H., New York, N. Y., and T. J. Hoover, assignors to Minerals Separation Limited, London, England. Method and apparatus for ore concentration. No. 1,093,463; Apr. 14; Gaz. vol. 201; p. 492.
- Nutter, Walter E., and G. P. Zeller, St. Louis, Mo.; said Nutter assignor to said Zeller. Ice-can filler. No. 1,114,797; Oct. 27; Gaz. vol. 207; p. 970.
- Nutter, Warren H., St. Louis, Mo. Automatic engine-stop mechanism. No. 1,117,430; Nov. 17; Gaz. vol. 208; p. 763.
- Nutter, William H., Shelton, Nebr. Hat-pin guard. No. 1,089,949; Mar. 10; Gaz. vol. 200; p. 486.
- Nutting, Lucius R., Seattle, Wash. Vehicle-wheel. No. 1,106,963; Aug. 11; Gaz. vol. 205; p. 526.
- Nuubson, Ole C., Duluth, Minn. Baking apparatus. (Re-issue.) No. 13,808; Oct. 13; Gaz. vol. 207; p. 579.
- Nya Aktiebolaget Atlas. (See Nathorst and Lundström, assignors.)
- Nyberg, Carl S., Södertelje, Sweden. Packaging-machine. No. 1,088,791; Mar. 3; Gaz. vol. 200; p. 41.
- Nyberg, Nelson, Globe, Ariz. Stand. No. 1,111,607; Sept. 22; Gaz. vol. 206; p. 1091.
- Nyborg, Marinus J. C., Minneapolis, Minn. Liquid-soap dispenser. No. 1,116,613; Nov. 10; Gaz. vol. 208; p. 437.
- Nye, George F., Kearney, Nebr. Concrete-mixer. No. 1,103,534; July 14; Gaz. vol. 204; p. 500.

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- Nye, John, Montpelier, Ohio. Window-screen. No. 1,119,863; Dec. 8; Gaz. vol. 209; p. 366.
- Nye Tool and Machine Works, The. (See McClure, John R., assignor.)
- Nyeboe & Nissen. (See Nissen, Niels F., assignor.)
- Nymon, Wigo G., Argusville, N. D. Box-car door. No. 1,104,129; July 21; Gaz. vol. 204; p. 750.
- Nystrom, Charles, New York, N. Y. Grass-trimmer. No. 1,108,611; Aug. 25; Gaz. vol. 205; p. 1198.
- Nystrom, Gustav E., Brooklyn, N. Y. Egg-crate guard. No. 1,103,819; July 14; Gaz. vol. 204; p. 603.
- Nystrom, Martin, Chicago, Ill. Glue-dissolver. No. 1,089,860; Mar. 10; Gaz. vol. 200; p. 454.
- Nyvall, Albert, New York, N. Y. Card-index. No. 1,099,663; June 9; Gaz. vol. 203; p. 487.
- Nyvall, Albert, New York, N. Y. Card-index. No. 1,116,909; Nov. 10; Gaz. vol. 208; p. 542.
- O. A. Miller Treeing Machine Company. (See Hansen, John S., assignor.)
- O. K. Manufacturing & Stamping Company, The. (See Sloan, Francis E., assignor.)
- O. M. Draper Co., The. (See Billington and Gibbs, assignors.)
- O. M. Edwards Company, The. (See Chaffee, Edward F., assignor.)
- O. P. Baur Confectionery Company, The. (See More, Harry K., assignor.)
- O and S Bearing Company. (See Obrecht, Norbert L., assignor.)
- O. & W. Thum Company, The. (See Wagner and Hopkins, assignors.)
- O'Brien, Asher J., Seattle, Wash. Brake mechanism. No. 1,092,162; Apr. 7; Gaz. vol. 201; p. 13.
- O'Brien, Augustus M., and W. D. Ferris, Sharon, Pa. Controller for automobile gas-lamps. No. 1,113,817; Oct. 13; Gaz. vol. 207; p. 534.
- O'Brien, Dennis J., San Francisco, Cal., assignor, by mesne assignments, to Straight Filament Lamp Company. Incandescent electric lamp. No. 1,110,076; Sept. 8; Gaz. vol. 206; p. 472.
- O'Brien, Edmund H., Kansas City, Mo. Door-lock. No. 1,115,332; Oct. 27; Gaz. vol. 207; p. 1158.
- O'Brien, Edward. (See Jenkins, O'Brien, Burgell, and Crerar.)
- O'Brien, Edward F., Somerville, Mass. Shoe-rack. No. 1,113,818; Oct. 13; Gaz. vol. 207; p. 534.
- O'Brien, Francis A. (See O'Brien, Sargent, Dowd, and O'Brien.)
- O'Brien, Frank, H. A. Beall, C. A. Crook, and O. M. Borg, Spokane, Wash. Sidewalk-pavement door. No. 1,086,461; Feb. 10; Gaz. vol. 199; p. 353.
- O'Brien, Henry D., Forsyth, Mont. Truss. No. 1,106,314; Aug. 4; Gaz. vol. 205; p. 251.
- O'Brien, James, and A. A. Lueke, assignors, by mesne assignments, to A. Isenberg, Louisville, Ky. Door. No. 1,085,470; Jan. 27; Gaz. vol. 198; p. 836.
- O'Brien, James W., Wolfe Island, Ontario, Canada. Cheese-hoop. No. 1,090,166; Mar. 17; Gaz. vol. 200; p. 601.
- O'Brien, John F., and G. F. Bowdle, assignors of one-half to C. H. F. Schutte, Piqua, Ohio. Box-topping machine. No. 1,106,727; Aug. 11; Gaz. vol. 205; p. 443.
- O'Brien, John J., Sterling, Colo. Stock-feeder. No. 1,109,009; Sept. 1; Gaz. vol. 206; p. 54.
- O'Brien, John T., W. G. Sargent, M. Dowd, and F. A. O'Brien, assignors to Universal Valve Company, Grand Rapids, Mich. Automatic valve. No. 1,099,196; June 9; Gaz. vol. 203; p. 326.
- O'Brien, Joseph F. (See Lauster, August P., assignor.)
- O'Brien, Joseph F., New York, N. Y. Buffer for automobile-doors. No. 1,098,393; June 2; Gaz. vol. 203; p. 12.
- O'Brien, Michael J. (See Robertson, Frederick D. S., assignor.)
- O'Brien, Michael W., Rochester, N. Y. Ejector for presses. No. 1,093,200; Apr. 14; Gaz. vol. 201; p. 405.
- O'Brien, Ora, Hanford, Cal. Automatic fuel-feeding mechanism for burners. No. 1,093,878; Apr. 21; Gaz. vol. 201; p. 673.
- O'Brien, Raymond L., Sheridan, Wyo. Combined window-shade and curtain-pole hanger. No. 1,116,837; Nov. 10; Gaz. vol. 208; p. 517.
- O'Brien, Simon, assignor to C. S. Clinch, Lynn, Mass. Machine for assembling parts of shoe ornaments, &c. No. 1,094,588; Apr. 28; Gaz. vol. 201; p. 971.
- O'Brien, Thomas, Brooklyn, N. Y. Lamp. No. 1,085,155; Jan. 27; Gaz. vol. 198; p. 728.
- O'Brien, Thomas, Brooklyn, N. Y. Air-propulsion device. No. 1,114,640; Oct. 20; Gaz. vol. 207; p. 861.
- O'Brien, Thomas, Brooklyn, assignor to H. G. Opdycke, New York, N. Y. Seismograph. No. 1,095,022; Apr. 28; Gaz. vol. 201; p. 1125.
- O'Brien, Thomas H., Camden, assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,109,700; Sept. 8; Gaz. vol. 206; p. 339.
- O'Brien, Vincent J., Denver, Colo. Removable key-chuck. No. 1,096,783; Feb. 10; Gaz. vol. 199; p. 466.
- O'Brien, Vincent J., and G. A. Oliver, assignors to The Standard Rock Drill Company, Denver, Colo. Apparatus for lubricating pneumatic drills. No. 1,114,641; Oct. 20; Gaz. vol. 207; p. 862.
- O'Brien, Walter T. S., North Sydney, New South Wales, Australia. Sketching apparatus. No. 1,111,608; Sept. 22; Gaz. vol. 206; p. 1092.
- O'Brien, William, London, England. Micrometer-gage. No. 1,111,030; Sept. 22; Gaz. vol. 206; p. 893.
- O'Brien, William C., Baltimore, Md. Attaching ferrules to umbrella-cases. No. 1,113,574; Oct. 13; Gaz. vol. 207; p. 449.
- O'Brien, William E., Providence, R. I. Electrically-lighted level and plumb. No. 1,110,456; Sept. 15; Gaz. vol. 206; p. 649.
- O'Brien, William J., J. Ott, and C. A. Tilly, Brooklyn, N. Y. Thawing and draining device. No. 1,118,793; Nov. 24; Gaz. vol. 208; p. 1278.
- O'Bryan, George W., Cambria, Va. Combination window-screen and fly-trap. No. 1,092,505; Apr. 7; Gaz. vol. 201; p. 132.
- O'Bryan, Willis E. (See Fought and O'Bryan.)
- O'Connell, Daniel B., Vancouver, British Columbia, Canada. Transmission-carrier. No. 1,122,024; Dec. 22; Gaz. vol. 209; p. 1210.
- O'Connell, Daniel C., et al. (See Spirewfski, John S., Jr., assignor.)
- O'Connell, James E., et al. (See Spirewfski, John S., Jr., assignor.)
- O'Connell, James H., Lawrence, Mass. Stop-motion for spooling or like machines. No. 1,094,344; Apr. 21; Gaz. vol. 201; p. 825.
- O'Connell, James J., Rochester, N. Y. Direction-indicating signal. No. 1,089,950; Mar. 10; Gaz. vol. 200; p. 486.
- O'Connell, James P., Crompton, R. I., assignor of one-third to E. L. Merrow, Malden, Mass., and one-third to C. D. Robinson, Crompton, R. I. Guide-wire for spinning-machines. No. 1,117,596; Nov. 17; Gaz. vol. 208; p. 821.
- O'Connell, John F., and C. E. Whiteman, La Grande, Oreg. Cigar-lighter. No. 1,091,586; Mar. 31; Gaz. vol. 200; p. 1161.
- O'Connell, John J., Ridgewood, N. J. Horse-overshoe. No. 1,085,874; Feb. 3; Gaz. vol. 199; p. 104.
- O'Connell, John J., Ridgewood, N. J. Horse-overshoe. No. 1,086,305; Feb. 3; Gaz. vol. 199; p. 253.
- O'Connell, Joseph J., Chicago, Ill., assignor to American Telephone and Telegraph Company, Boston, Mass. Emergency signaling system for telephone toll-collecting apparatus. No. 1,103,073; July 14; Gaz. vol. 204; p. 343.
- O'Connell, Thomas, Watertown, S. D., assignor of one-half to M. S. Liebenstein, Esteline, S. D. Collar-fastener. No. 1,119,447; Dec. 1; Gaz. vol. 209; p. 188.
- O'Connell, Timothy, Holyoke, assignor to The Whitin Machine Works, Whitinsville, Mass. Lap-head condenser. No. 1,118,305; Nov. 24; Gaz. vol. 208; p. 1108.
- O'Connor, Charles B., assignor of one-half to H. C. Nash, Portsmouth, Va. Stanchion for hand-rails. No. 1,105,685; Aug. 4; Gaz. vol. 205; p. 34.
- O'Connor, Christopher D., Trojan, S. D. Nut-lock. No. 1,099,510; June 9; Gaz. vol. 203; p. 434.
- O'Connor, Edward L., New York, N. Y. Extension-foot. No. 1,112,468; Oct. 6; Gaz. vol. 207; p. 18.
- O'Connor, John, Atchison, Kans. Grease-cup. No. 1,103,156; July 14; Gaz. vol. 204; p. 373.
- O'Connor, John F., Chicago, Ill. Journal-box lid. No. 1,120,230; Dec. 8; Gaz. vol. 209; p. 496.
- O'Connor, John F., assignor, by mesne assignments, to W. H. Miner, Chicago, Ill. Friction draft-gear. No. 1,086,075; Feb. 3; Gaz. vol. 199; p. 178.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Tandem-spring draft-rigging. No. 1,086,553; Feb. 10; Gaz. vol. 199; p. 385.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,096,120; May 12; Gaz. vol. 202; p. 358.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Roller side bearing for railway-cars. No. 1,096,939; May 19; Gaz. vol. 202; p. 681.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Draw-bar and yoke connection for railway-cars. No. 1,099,197; June 9; Gaz. vol. 203; p. 326.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Tandem draft-rigging for railway-cars. No. 1,105,577; July 28; Gaz. vol. 204; p. 1303.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Railway draft-rigging. No. 1,120,231; Dec. 8; Gaz. vol. 209; p. 496.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Bumping-post. No. 1,122,991; Dec. 29; Gaz. vol. 209; p. 1582.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Shock-absorbing member for railway bumper-posts. No. 1,122,992; Dec. 29; Gaz. vol. 209; p. 1583.
- O'Connor, John W., Elmira, N. Y. Emergency-brake. No. 1,122,532; Dec. 29; Gaz. vol. 209; p. 1420.
- O'Connor, Martin A., Buffalo, N. Y., assignor to W. H. Miner Company, Chicago, Ill. Friction draft-rigging for railway-cars. No. 1,093,879; Apr. 21; Gaz. vol. 201; p. 673.
- O'Connor, Thomas J. (See Murphy, James A., assignor.)
- O'Connor, William H., East Orange, N. J. Means for feeding material. No. 1,089,431; Mar. 10; Gaz. vol. 200; p. 305.

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- O'Donnell, Charles J., and A. F. Kunberger, assignors to The United Gas Improvement Company, Philadelphia, Pa. Purifying gas. No. 1,105,578; July 28; Gaz. vol. 204; p. 1303.
- O'Donnell, Dominick, New York, N. Y. Adjustment device. No. 1,107,699; Aug. 18; Gaz. vol. 205; p. 833.
- O'Donnell, Henry. (See White, Hart, and O'Donnell.)
- O'Donnell, John G., assignor of one-third to C. J. Helmsen and one-third to E. A. Helmsen, Washington, D. C. Antiseptic holder for telephone-mouthpieces. No. 1,112,469; Oct. 6; Gaz. vol. 207; p. 19.
- O'Donnell, Martin J. (See Rahn, George C., assignor.)
- O'Donnell, Martin J., assignor of one-half to R. J. Farrell, Chicago, Ill. Adjustable pipe-fitting. No. 1,091,697; Mar. 31; Gaz. vol. 200; p. 1199.
- O'Donnell, William J., Alameda, Cal. Garment-hanger and box therefor. No. 1,094,087; Apr. 21; Gaz. vol. 201; p. 743.
- O'Hare, Frank J., and G. E. Lovejoy, Columbus, Ohio. Telescoping device for hats. No. 1,090,083; Mar. 10; Gaz. vol. 200; p. 531.
- O'Hare, William, Sharon, Pa. Tie and rail-fastener. No. 1,095,590; May 5; Gaz. vol. 202; p. 142.
- O'Hearn, George E., assignor to Heywood Brothers and Wakefield Company, Gardner, Mass. Child's carriage. No. 1,100,251; June 16; Gaz. vol. 203; p. 726.
- O'Kane, Katherine R. (See Liebenthal, Herman G., assignor.)
- O'Kane, Katherine R., Philadelphia, Pa. Duplicating-machine. No. 1,085,627; Feb. 3; Gaz. vol. 199; p. 17.
- O'Keefe, Michael F., Middletown, Conn. Valve-seat former. No. 1,087,457; Feb. 17; Gaz. vol. 199; p. 751.
- O'Keiff, James S., Altoona, Pa. Form for concrete structures. No. 1,100,488; June 16; Gaz. vol. 203; p. 808.
- O'Kelly, William L., Long Beach, Cal. Composition of matter for waterproofing porous surfaces. No. 1,107,545; Aug. 18; Gaz. vol. 205; p. 777.
- O'Leary, Frank J., assignor to Penberthy Injector Co., Detroit, Mich. Ejector. No. 1,109,593; Sept. 1; Gaz. vol. 206; p. 258.
- O'Leary, Humphrey, San Francisco, Cal. Hose-coupling. No. 1,119,032; Dec. 1; Gaz. vol. 209; p. 48.
- O'Leary, John, Cohoes, N. Y. Automobile-fender. No. 1,095,918; May 5; Gaz. vol. 202; p. 252.
- O'Leary, Patrick, New York, N. Y. Clamping device. No. 1,120,403; Dec. 8; Gaz. vol. 209; p. 557.
- O'Leary, Thomas J. (See Zumino, Lorenzo, assignor.)
- O'Leary, Thomas J., St. Paul, Minn. Attachment for pneumatic-tire valves. No. 1,093,464; Apr. 14; Gaz. vol. 201; p. 492.
- O'Loughlin, Allan, St. Paul, Minn. Hot-air furnace. No. 1,108,388; Aug. 25; Gaz. vol. 205; p. 1120.
- O'Malley, Alfred, Liverpool, England. Necktie frame or fastener. No. 1,083,754; Jan. 6; Gaz. vol. 198; p. 165.
- O'Malley, John F., Avoca, Pa. Match-holder. No. 1,114,509; Oct. 20; Gaz. vol. 207; p. 819.
- O'Mara, John J., New York, N. Y. Casserole-frame. No. 1,118,794; Nov. 24; Gaz. vol. 208; p. 1279.
- O'Meara, Henry, Sioux Falls, S. D. Acetylene-gas generator. No. 1,111,230; Sept. 22; Gaz. vol. 206; p. 962.
- O'Meara, James J., assignor of one-seventh to W. E. Keach, one-seventh to R. A. Sprowson, Fitchburg, one-seventh to E. W. Atkinson, Boston, one-seventh to A. W. Bell, one-seventh to J. D. Bell, and one-seventh to W. A. Bell, Holyoke, Mass. Safety device for lap-machines and the like. No. 1,090,335; Mar. 17; Gaz. vol. 200; p. 660.
- O'Neal, Frederick A., assignor of one-half to F. A. Neal, St. Louis, Mo. Awning-fixture. No. 1,094,465; Apr. 28; Gaz. vol. 201; p. 929.
- O'Neal, John E., et al. (See Port, Charles A., assignor.)
- O'Neil, Arthur S., Warren, Pa. Coating-machine. No. 1,090,336; Mar. 17; Gaz. vol. 200; p. 660.
- O'Neil, Edward A., et al. (See Ducro, Lewis, assignor.)
- O'Neil, Frank. (See Van Vliet and O'Neil.)
- O'Neil, John. (See Haynes, Charles M., assignor.)
- O'Neil, John F., St. Louis, Mo. Crushing-mill. No. 1,091,953; Mar. 31; Gaz. vol. 200; p. 1290.
- O'Neil, Joseph. (See McCulloch, James, assignor.)
- O'Neil, William F., Kansas City, Mo. Tire-boot. No. 1,108,389; Aug. 25; Gaz. vol. 205; p. 1121.
- O'Neil, William H., assignor of one-half to East Side Machine Co., Los Angeles, Cal. Chain wrench. No. 1,086,725; Feb. 10; Gaz. vol. 199; p. 445.
- O'Neill, Bryan J., Peoria, Ill. Grain-door. No. 1,109,082; Sept. 1; Gaz. vol. 206; p. 80.
- O'Neill, Charles E., Butte, Mont. Letter-binder. No. 1,090,748; Mar. 17; Gaz. vol. 200; p. 800.
- O'Neill, Charles J., et al. (See Gearing, Harry, assignor.)
- O'Neill, Gonzalo, New York, N. Y. Nail or driven fastening. No. 1,100,252; June 16; Gaz. vol. 203; p. 727.
- O'Neill, Henry G., assignor of one-half to C. Hubert, New York, N. Y. Engine-starter. No. 1,105,297; July 28; Gaz. vol. 204; p. 1203.
- O'Neill, James, Brooklyn, N. Y. Internal-combustion engine. No. 1,117,893; Nov. 17; Gaz. vol. 208; p. 926.
- O'Neill, Patrick J., Bakersfield, Cal. Apparatus for lifting fluids. No. 1,084,896; Jan. 20; Gaz. vol. 198; p. 604.
- O'Neill, William C. (See Robertson, George L., assignor.)
- O'Reilly, Joseph J., Brooklyn, N. Y. Whistle. No. 1,094,006; Apr. 21; Gaz. vol. 201; p. 716.
- O'Reilly, Mark J., Girard, Kans. Silo and roof connector. No. 1,087,394; Feb. 17; Gaz. vol. 199; p. 728.
- O'Reilly, William E., Sofia, Bulgaria. Safety-razor. No. 1,113,475; Oct. 13; Gaz. vol. 207; p. 415.
- O'Rourke, Tierney A., New York, N. Y. Tool for twisting and cutting wire ties. No. 1,084,103; Jan. 13; Gaz. vol. 198; p. 310.
- O'Rourke, William F., assignor to The Payson Manufacturing Company, Chicago, Ill. Sash-lock. No. 1,122,026; Dec. 22; Gaz. vol. 209; p. 1210.
- O'Shaughnessy, James F., assignor, by mesne assignments, to Cotton Gathering Corporation, New York, N. Y. Machine for use in gathering cotton. No. 1,103,618; July 14; Gaz. vol. 204; p. 533.
- O'Shaughnessy, James F., assignor, by mesne assignments, to Cotton Gathering Corporation, New York, N. Y. Machine for gathering cotton. No. 1,103,619; July 14; Gaz. vol. 204; p. 534.
- O'Shaughnessy, James F., assignor, by mesne assignments, to Cotton Gathering Corporation, New York, N. Y. Apparatus for use in gathering cotton. No. 1,103,620; July 14; Gaz. vol. 204; p. 534.
- O'Shaughnessy, James F., assignor, by mesne assignments, to Cotton Gathering Corporation, New York, N. Y. Machine for use in gathering cotton. No. 1,103,621; July 14; Gaz. vol. 204; p. 534.
- O'Shaughnessy, James F., assignor, by mesne assignments, to Cotton Gathering Corporation, New York, N. Y. Apparatus for use in gathering cotton. No. 1,103,622; July 14; Gaz. vol. 204; p. 534.
- O'Shaughnessy, Thomas A., Chicago, Ill. Method and device for making transparent or translucent mosaics. No. 1,100,769; June 23; Gaz. vol. 203; p. 957.
- O'Toole, Edward, Gary, W. Va. Method of and apparatus for sinking shafts. No. 1,096,795; May 12; Gaz. vol. 202; p. 587.
- O'Toole, John, Los Angeles, Cal. Puzzle. No. 1,100,026; June 16; Gaz. vol. 203; p. 648.
- O'Toole, John J., New York, N. Y. Antistatic friction device. No. 1,121,198; Dec. 15; Gaz. vol. 209; p. 885.
- Oakes, George W., Kokomo, Ind. Swivel-connector. No. 1,098,291; May 26; Gaz. vol. 202; p. 1199.
- Oakes, John F., Copos, Minn. Motor-sled. No. 1,098,523; June 2; Gaz. vol. 203; p. 58.
- Oakes, John F., Copas, Minn. Bean-harvester. No. 1,111,853; Sept. 29; Gaz. vol. 206; p. 1216.
- Oakland Motor Car Company. (See Wahlberg, Nils E., assignor.)
- Oakland Motor Car Company. (See Wilcox, John T., assignor.)
- Oakley Foundry and Engineering Company. (See Oakley, William E., assignor.)
- Oakley, John, Springfield, Mass. Broach. No. 1,121,126; Dec. 15; Gaz. vol. 209; p. 861.
- Oakley, William E., assignor to Oakley Foundry and Engineering Company, Astoria, N. Y. Apparatus for burning liquid fuel. No. 1,103,535; July 14; Gaz. vol. 204; p. 501.
- Oakley, William E., Millbury, and W. A. Pentecost, Worcester, Mass., assignors, by mesne assignments, to Columbia-Knickerbocker Trust Company, trustee. Apparatus for burning liquid fuel. No. 1,103,617; July 14; Gaz. vol. 204; p. 533.
- Oathout, George E., Watervliet, assignor to L. Meyers and Son, New York, N. Y. Automatic glove-stitching machine. No. 1,121,862; Dec. 22; Gaz. vol. 209; p. 1152.
- Oathout, George E., Watervliet, assignor to L. Meyers & Son, New York, N. Y. Semi-automatically-controlled sewing-machine. No. 1,121,863; Dec. 22; Gaz. vol. 209; p. 1153.
- Oatley, Elzey C., Stevens Point, Wis. Machine for jointing and grinding saws and other cutters. No. 1,117,595; Nov. 17; Gaz. vol. 208; p. 821.
- Obad, Georg, Belleville, Ill. Polish-receptacle. No. 1,115,095; Oct. 27; Gaz. vol. 207; p. 1077.
- Obenauer, Charles, Binghamton, N. Y. Shipping-crate for eggs. No. 1,106,235; Aug. 4; Gaz. vol. 205; p. 225.
- Obenaur, Frederick P., assignor to Thomas Steel Reinforcement Company, Detroit, Mich. Metal reinforcement for concrete roadways. No. 1,121,533; Dec. 15; Gaz. vol. 209; p. 998.
- Obendorfer, B. E. (See Blankenship, Howard S., assignor.)
- Ober, Fred M., Morrisville, Vt. Striking mechanism. No. 1,100,393; June 16; Gaz. vol. 203; p. 776.
- Ober, Howard K. (See Ober, Riley H. and H. K.)
- Ober, Riley H. and H. K., Fort Jackson, N. Y. Maple-sugar evaporator. No. 1,112,380; Sept. 29; Gaz. vol. 206; p. 1397.
- Oberer, Fredolien J., assignor of one-half to H. North, Portland, Oreg. Silo. No. 1,114,639; Oct. 20; Gaz. vol. 207; p. 861.
- Oberholzer, Heinrich, Mährisch Schönberg, Austria-Hungary. Device for determining the frequency of the shots in woven fabrics. No. 1,112,026; Sept. 29; Gaz. vol. 206; p. 1272.
- Oberle, Jacob F. (See White, Edward N., assignor.)

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- Obermaier, Carl F., York, Pa. Drum. No. 1,114,798; Oct. 27; Gaz. vol. 207; p. 971.
- Obermire, Joseph, and D. Krous, Catalpa, Nebr. Valve. No. 1,098,963; June 2; Gaz. vol. 203; p. 206.
- Obert, Casin W., New York, N. Y. Locking means for internal-combustion motors. No. 1,105,296; July 28; Gaz. vol. 204; p. 1203.
- Oblosser, Ulysses C., assignor of two-thirds to W. Monroe, Bloomsburg, Pa. Vacuum-cleaner. No. 1,091,383; Mar. 24; Gaz. vol. 200; p. 1048.
- Oborny, Joseph F., Bison, Kans. Automatic fastener for doors. No. 1,120,521; Dec. 8; Gaz. vol. 209; p. 598.
- Obrador, Antonio L., Manila, Philippine Islands. Continuous distilling apparatus. No. 1,106,832; Aug. 11; Gaz. vol. 205; p. 480.
- Obrecht, Norbert L., assignor to O and S Bearing Company, Detroit, Mich. Bearing. No. 1,117,226; Nov. 17; Gaz. vol. 208; p. 692.
- Obst, Joseph A., Pawtucket, R. I. Piano-player action. No. 1,092,163; Apr. 7; Gaz. vol. 201; p. 13.
- Obstfield, Henry. (See Dreyfoos, Alexander W., assignor.)
- Ocean, Ernest, Osceola, Mo. Gate. No. 1,088,166; Feb. 24; Gaz. vol. 199; p. 1043.
- Ochsheim, Rudolf, Berlin, Germany. Grinding and polishing machine. No. 1,088,922; Mar. 3; Gaz. vol. 200; p. 85.
- Ochsner, Jacob, Zurich, Switzerland. Dumping-wagon. No. 1,101,085; June 23; Gaz. vol. 203; p. 1069.
- Ochsner, Robert, New Haven, Conn. Latch for automobile doors. No. 1,085,471; Jan. 27; Gaz. vol. 198; p. 836.
- Ockel, Reinhold, Bonn, Germany. Cooler for extraction apparatus and the like. No. 1,095,165; Apr. 28; Gaz. vol. 201; p. 1174.
- Ockelmann, Heinrich, Gross-Jena, near Naumburg-on-the-Saale, Germany. Scouring agent. No. 1,111,488; Sept. 22; Gaz. vol. 206; p. 1050.
- Ocker, Benjamin H., Marion, Pa. Safety-elevator. No. 1,101,086; June 23; Gaz. vol. 203; p. 1069.
- Ocker, Louis H., St. Louis, Mo., assignor to Schoenthaler Manufacturing Company. Bottle-packing for shipping-cases. No. 1,120,329; Dec. 8; Gaz. vol. 209; p. 530.
- Ockinga, Jacob R. (See Cleveland and Ockinga.)
- Ockington, W. J., et al. (See Ducro, Lewis, assignor.)
- Oclappo, Victor, et al. (See Bonali, Frank, assignor.)
- Octagon Die and Tool Company, The. (See Cochran, Dwight S., assignor.)
- Octigan, Nora M., executrix. (See Octigan, Thomas C.)
- Octigan, Thomas C., deceased, Chicago, Ill.; N. M. Octigan, executrix. Horseshoe. No. 1,120,232; Dec. 8; Gaz. vol. 209; p. 497.
- Occumpaugh, Charles H., Rochester, N. Y. Irregular-voting device. No. 1,111,854; Sept. 29; Gaz. vol. 206; p. 1216.
- Occumpaugh, Edmund. (See Hanford, Orin A., assignor.)
- Occumpaugh, Edmund, assignor to Defiance Machine Company, Rochester, N. Y. Manufacturing type-wheels for printing-machines. No. 1,100,089; June 16; Gaz. vol. 203; p. 670.
- Occumpaugh, Edmund, 2d, Rochester, N. Y. Printing-machine. No. 1,107,829; Aug. 18; Gaz. vol. 205; p. 878.
- Odegard, Cornelius, Helena, Mont., assignor to Cereal Mince Company, Minneapolis, Minn. Composition of matter to be used as a food. No. 1,111,917; Sept. 29; Gaz. vol. 206; p. 1238.
- Odell, Albert P., deceased, Lima, Ohio. H. E. Odell, administratrix. Storage-case. No. 1,106,236; Aug. 4; Gaz. vol. 205; p. 225.
- Odell, Helen E., administratrix. (See Odell, Albert P.)
- Odell, Levi J., Los Angeles, Cal. Blade grinding and sharpening machine. No. 1,111,315; Sept. 22; Gaz. vol. 206; p. 990.
- Odell, Levi J., Los Angeles, Cal. Razor-sharpening machine. No. 1,111,316; Sept. 22; Gaz. vol. 206; p. 991.
- Odell, Risdon M., Hutchinson, Kans., assignor to W. S. S. Johnson, Plainfield, Ind. Receptacle and carrier for eggs. No. 1,084,751; Jan. 20; Gaz. vol. 198; p. 556.
- Odell, Robert C., assignor to Newark Spring Mattress Co., Newark, N. J. Couch. No. 1,098,394; June 2; Gaz. vol. 203; p. 13.
- Odell, Shealy L., assignor of forty one-hundredths to A. Gallimore, Greensboro, N. C. Loom. No. 1,120,522; Dec. 8; Gaz. vol. 209; p. 599.
- Odelstierna, Erik E., son. (See Anderson and Odelstierna.)
- Oden, Lewis M., Raleigh, N. C. Loading and unloading apparatus. No. 1,115,859; Oct. 3; Gaz. vol. 208; p. 134.
- Oden, Roy F. (See Oden, Sopha C. and R. F.)
- Oden, Sopha C. and R. F., Hawarden, Iowa. Corn-planter. No. 1,089,071; Mar. 3; Gaz. vol. 200; p. 136.
- Oder, Carl H., and J. H. Baker, Fairfield, Ill. Spark-extinguisher. No. 1,119,448; Dec. 1; Gaz. vol. 209; p. 188.
- Odors, Charles H., assignor to S. D. Odors, Redding, Cal. Riffle and amalgamator-box. No. 1,097,352; May 19; Gaz. vol. 202; p. 827.
- Odors, Sophy D. (See Odors, Charles H., assignor.)
- Odien, Joseph, Buffalo, N. Y. Adjustable tie-plate. No. 1,085,062; Jan. 20; Gaz. vol. 198; p. 659.
- Odle, Ira D., Gainesville, Fla. Medicated food product. No. 1,120,330; Dec. 8; Gaz. vol. 209; p. 531.
- Odle, Winfield S., Los Angeles, Cal. Casement-window-operating device. No. 1,103,218; July 14; Gaz. vol. 204; p. 395.
- Oechsle, Theodore F., and A. Kumpf, Philadelphia, Pa. Metal sash. No. 1,113,678; Oct. 13; Gaz. vol. 207; p. 484.
- Oeffe, Felix von, assignor of one-half to H. Schweitzer, New York, N. Y. Alloy of vanadium and precious metals. No. 1,107,180; Aug. 11; Gaz. vol. 205; p. 601.
- Oeffe, Felix von, assignor of one-half to H. Schweitzer, New York, N. Y. Vanadium-gold alloy. No. 1,107,181; Aug. 11; Gaz. vol. 205; p. 601.
- Oeffering, Charles, et al. (See McKenzie, Thomas W., assignor.)
- Oehlke, Frederick H., assignor to The Hoffman Heater Company, Lorain, Ohio. Gas-burner. No. 1,114,021; Oct. 20; Gaz. vol. 207; p. 643.
- Oehmig, Paul, Chicago, Ill. Mill for grinding grains and nuts. No. 1,095,516; May 5; Gaz. vol. 202; p. 118.
- Oehring, Oscar, Eisleben, assignor to Internationale Neverfail Patentkurbelfenster G. m. b. H., Berlin, Germany. Sliding window. No. 1,092,945; Apr. 14; Gaz. vol. 201; p. 317.
- Oehrie, Henry C., Denver, Colo. Coupling-bolt. No. 1,097,185; May 19; Gaz. vol. 202; p. 767.
- Oelenbeinz, Theodor, Karlsruhe, Germany. Bleaching tobacco-leaves. No. 1,086,306; Feb. 3; Gaz. vol. 199; p. 253.
- Oelerich, Joseph F. (See Ahlstrom and Oelerich.)
- Oellien, Henry O., Maplewood, Mo. Clothes-washing machine. No. 1,122,993; Dec. 29; Gaz. vol. 209; p. 1583.
- Oelman, Paul H., Dayton, Ohio, assignor to Traders Metal Goods Co., Inc., New York, N. Y. Pocket electric light. No. 1,111,546; Sept. 22; Gaz. vol. 206; p. 1070.
- Oertly, John, Cincinnati, Ohio, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Kinetoscope. No. 1,093,646; Apr. 21; Gaz. vol. 201; p. 594.
- Oesterle, William F., Jr., C. A. Beale, and J. McFetridge, Vandergrift, assignors to American Sheet and Tin Plate Company, Pittsburgh, Pa. Utilizing waste ferrous liquors. No. 1,108,387; Aug. 25; Gaz. vol. 205; p. 1120.
- Oesterreicher, Alfred, deceased; L. Oesterreicher, guardian, and J. Khu, coguardian, assignors to Brüder Redlich & Berger, Vienna, Austria-Hungary. Electrical coupling of signal-arms for railways. No. 1,113,819; Oct. 13; Gaz. vol. 207; p. 535.
- Oesterreicher, Leopoldine, guardian, et al. (See Oesterreicher, Alfred.)
- Oesterreichische Siemens-Schuckertwerke et al. (See Fanta, Regal, Vietze, and Wessely, assignors.)
- Oestreich, Norman, assignor of one-half to A. Schulte, Plymouth, Wis. Cheese-follower. No. 1,107,989; Aug. 18; Gaz. vol. 205; p. 933.
- Oetker, Albert, Ottensen, near Altona, Germany. Elastic padding and filling composition. No. 1,087,815; Feb. 17; Gaz. vol. 199; p. 874.
- Oexle, Julius A., Clifton, N. J. Box-bracelet. No. 1,116,910; Nov. 10; Gaz. vol. 208; p. 542.
- Ofeldt, August W., Jersey City, N. J. Water-tube boiler. No. 1,104,379; July 21; Gaz. vol. 204; p. 836.
- Offenbach, Harry, Bradford, Pa. Vapor-burner. No. 1,094,088; Apr. 21; Gaz. vol. 201; p. 743.
- Office Appliance Manufacturing Company. (See White, Samuel B., assignor.)
- Officer, Thomas. (See Ball and Officer.)
- Offutt, John W., Ellwood City, assignor to The Shelby Steel Tube Company, Pittsburgh, Pa. Apparatus for making seamless tubes. No. 1,100,695; June 16; Gaz. vol. 203; p. 875.
- Offutt, John W., Ellwood City, assignor to The Shelby Steel Tube Company, Pittsburgh, Pa. Apparatus for rolling seamless tubes. No. 1,100,696; June 16; Gaz. vol. 203; p. 875.
- Ogden, Edmund J., Springfield, Ill. Traction-wheel for planters. No. 1,087,816; Feb. 17; Gaz. vol. 199; p. 874.
- Ogden, Elmer D., assignor of one-half to E. Holquist, Wilcox, Pa. Gas-regulator. No. 1,122,299; Dec. 29; Gaz. vol. 209; p. 1341.
- Ogden, Ferris, assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Adjustable grinder. No. 1,103,219; July 14; Gaz. vol. 204; p. 396.
- Ogden, Ferris, assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Lubricating system for rotary mills. No. 1,107,830; Aug. 18; Gaz. vol. 205; p. 878.
- Ogden, Fredric D., deceased, Bayonne, N. J.; J. E. Ogden, administrator, Brooklyn, assignor to The Patent Appliance Company, New York, N. Y. Door and means for operating the same. No. 1,090,491; Mar. 17; Gaz. vol. 200; p. 716.
- Ogden, George J., Toronto, Ontario, Canada. Thermostat. No. 1,119,190; Dec. 1; Gaz. vol. 209; p. 101.
- Ogden, John E., administrator. (See Ogden, Fredric D.)
- Ogden, John E., Brooklyn, N. Y. Wall-socket. No. 1,107,544; Aug. 18; Gaz. vol. 205; p. 777.

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- Ogden, Joseph, Manchester, assignor to A. Denton, Ingle-side, Marple, county of Chester, England. Apparatus for cutting, grinding, mincing or pulverizing rubber, leather, cereals, or other suitable substances. No. 1,102,789; July 7; Gaz. vol. 204; p. 198.
- Ogden, Leroy A. (See Hardick, William, assignor.)
- Ogden, Leroy A. (See Hardick and Ogden.)
- Ogden, Walter W., Maquoketa, Iowa. Gas-burner. No. 1,091,755; Mar. 31; Gaz. vol. 200; p. 1220.
- Ogg, Harry L., Newton, Iowa. Speed-regulator. No. 1,106,156; Aug. 4; Gaz. vol. 205; p. 200.
- Ogg, James, Pahala, Hawaii. Outside tube-cleaner. No. 1,101,950; June 30; Gaz. vol. 203; p. 1419.
- Ogg, James, Pahala, Hawaii. Center-finder. No. 1,105,917; Aug. 4; Gaz. vol. 205; p. 115.
- Ogg, James, Pahala, Hawaii. Feed-roller mechanism for sugar-mills. No. 1,108,780; Aug. 25; Gaz. vol. 205; p. 1254.
- Ogilvie, David A., Los Angeles, Cal. Perspective drafting appliance. No. 1,122,533; Dec. 29; Gaz. vol. 209; p. 1420.
- Ogilvie, David W., Balboa, Canal Zone. Life-saving garment. No. 1,109,140; Sept. 1; Gaz. vol. 206; p. 99.
- Ogilvie, David W., Balboa, Canal Zone. Aerial life-saving device. No. 1,110,710; Sept. 15; Gaz. vol. 206; p. 739.
- Ogilvie, David W., Balboa, Canal Zone. Parachute apparatus. No. 1,110,711; Sept. 15; Gaz. vol. 206; p. 739.
- Ogle, Robert A., Chicago, Ill. Material-handling apparatus. No. 1,112,084; Sept. 29; Gaz. vol. 206; p. 1292.
- Oglesby, Sabert G., Green Pond, Ala. Automatic hen's nest. No. 1,084,752; Jan. 20; Gaz. vol. 198; p. 556.
- Ohio Brass Company, The. (See Bolus, Glenn H., assignor.)
- Ohio Brass Company, The. (See Kempton, Willard H., assignor.)
- Ohio Chemical and Manufacturing Company, The. (See Clarke, Graham, assignor.)
- Ohio and Colorado Smelting & Refining Company, The. (See Laws, Eugene H., assignor.)
- Ohio Comb & Novelty Company. (See Nassauer, Julius, assignor.)
- Ohio Cultivator Company, The. (See Swanson, Starley S., assignor.)
- Ohio Galvanizing and Manufacturing Company, The. (See Bentley, Frank F., assignor.)
- Ohio Grease Company, The. (See Lowry, Frank, assignor.)
- Ohio Machinery Manufacturing Company, The. (See Betz, Frederick M., assignor.)
- Ohio Match Company, The. (See Haller, Adam J., assignor.)
- Ohio Match Company, The. (See Paridon and Weaver, assignors.)
- Ohio Pump & Brass Company, The. (See Weber, Mathew J., assignor.)
- Ohio Timelock Company, The. (See Mieth, Otto F., assignor.)
- Ohio Varnish Company, The. (See Lamb, James B., assignor.)
- Ohio Varnish Company, The. (See McElhenie, Thomas J., assignor.)
- Ohl, George A., Jr., Newark, N. J., assignor to George A. Ohl & Co. Metal-bending die. No. 1,111,403; Sept. 22; Gaz. vol. 206; p. 1021.
- Ohliger, Willard, assignor to Frederick Stearns & Company, Detroit, Mich. Forming wafer-capsules. No. 1,084,708; Jan. 20; Gaz. vol. 198; p. 542.
- Ohliger, Willard, assignor to Frederick Stearns & Company, Detroit, Mich. Machine for cutting wafer-capsules. No. 1,097,727; May 26; Gaz. vol. 202; p. 1000.
- Ohlsen, Ulrich, assignor of one-half to M. Mortensen, Denver, Colo. Flooring-pincers. No. 1,106,399; Aug. 11; Gaz. vol. 205; p. 324.
- Ohlson, John L., Adelaide, South Australia, Australia. Adjustable connecting-rod for sewing-machines. No. 1,083,556; Jan. 6; Gaz. vol. 198; p. 99.
- Ohlson, John L., Adelaide, South Australia, Australia. Sewing-machine. No. 1,100,441; June 16; Gaz. vol. 203; p. 793.
- Ohlson, Olof, Newton, assignor to Waltham Watch Company, Waltham, Mass. Mounting pivot-bearings for timepieces. No. 1,104,700; July 21; Gaz. vol. 204; p. 947.
- Ohlson, Olof, West Newton, assignor to Waltham Watch Company, Waltham, Mass. Pivot-bearing for watch-movements. No. 1,109,141; Sept. 1; Gaz. vol. 206; p. 100.
- Ohlson, Olof, West Newton, assignor to Waltham Watch Company, Waltham, Mass. Setting-stem for watches. No. 1,114,907; Oct. 27; Gaz. vol. 207; p. 1010.
- Ohlsson, Charles J., New York, N. Y. Hook. No. 1,093,945; Apr. 21; Gaz. vol. 201; p. 695.
- Ohlsson, Olof, Sodertelje, Sweden. Internal-combustion engine. No. 1,089,432; Mar. 10; Gaz. vol. 200; p. 305.
- Ohmer Fare Register Company. (See Bridenbaugh, Elmer H., assignor.)
- Ohmer Fare Register Company. (See Davis, Hiram A., assignor.)
- Ohmer Fare Register Company. (See Moore, Otto N., assignor.)
- Ohmer Fare Register Company. (See Nelson, Walter H., assignor.)
- Ohmer Fare Register Company. (See Ohmer, John F., assignor.)
- Ohmer, John F., assignor to Ohmer Fare Register Company, Dayton, Ohio. Fare-register and recording-machine. No. 1,094,376; Apr. 21; Gaz. vol. 201; p. 836.
- Ohmer, John F., assignor to Ohmer Fare Register Company, Dayton, Ohio. Printing mechanism for recorders. No. 1,102,949; July 7; Gaz. vol. 204; p. 251.
- Ohmer, John F., assignor to Ohmer Fare Register Company, Dayton, Ohio. Hand and foot operating mechanism. No. 1,111,172; Sept. 22; Gaz. vol. 206; p. 943.
- Ohmer, Wilfred I., assignor to The Recording and Computing Machines Company, Dayton, Ohio. Operating mechanism for fare registers and indicators. No. 1,110,270; Sept. 8; Gaz. vol. 206; p. 542.
- Ohmer, Wilfred I., and J. L. Kist, assignors to The Recording and Computing Machines Company, Dayton, Ohio. Fare-box. No. 1,099,198; June 9; Gaz. vol. 203; p. 326.
- Ohnemus, Anton. (See Heidebreder and Ohnemus.)
- Ohnsman, Albert C., Columbus, Ohio. Line-guide. No. 1,086,930; Feb. 10; Gaz. vol. 199; p. 517.
- Ohnstrand, Enoch, assignor to O. M. Edwards, Syracuse, N. Y. Case. No. 1,114,176; Oct. 20; Gaz. vol. 207; p. 700.
- Ohnstrand, Enoch, assignor to O. M. Edwards, Syracuse, N. Y. Glass shelf for cases. No. 1,119,982; Dec. 8; Gaz. vol. 209; p. 408.
- Ohnstrand, Enoch, assignor to U. S. Steel Furniture Company, Syracuse, N. Y. Top for furniture. No. 1,120,842; Dec. 15; Gaz. vol. 209; p. 759.
- Ohtsuka, Yeikichi, Tokyo, Japan. Leaf of vacuum-filters for cyanid process. No. 1,111,609; Sept. 22; Gaz. vol. 206; p. 1092.
- Ohtsuka, Yeikichi, Tokyo, Japan. Miner's acetylene-lamp. No. 1,113,042; Oct. 6; Gaz. vol. 207; p. 218.
- Oil-Flame Furnace Company, The. (See Buchholtz, Ernest, assignor.)
- Oil Supply Company. (See Greve, Edgar E., assignor.)
- Oil Well Supply Company. (See Greve, Edgar E., assignor.)
- Oil Well Supply Company. (See Kline, Richard E., assignor.)
- Oil Well Supply Company. (See Mack, Patrick H., assignor.)
- Oil Well Supply Company. (See Wilcox and Knapp, assignors.)
- Oja Aktiengesellschaft. (See Stapler, Alexander, assignor.)
- Okamiya, Yoshikazu, New York, N. Y. Ladder. No. 1,109,357; Sept. 1; Gaz. vol. 206; p. 179.
- Okerfelt, Gust. (See Pfennighausen and Okerfelt.)
- Okergren, Emil. (See Frisk and Okergren.)
- Oklahoma Iron Works. (See Kuhns, James H., assignor.)
- Okubo, Kumajiro, Denver, Colo. Clothes brush and hanger. No. 1,108,848; Aug. 25; Gaz. vol. 205; p. 1279.
- Okun, Morris B., Chicago, Ill. Bed-rail fastening. No. 1,083,938; Jan. 13; Gaz. vol. 198; p. 252.
- Okuyama, George, Madison, Wis. Street-indicator. No. 1,102,679; July 7; Gaz. vol. 204; p. 160.
- Olah, Paul. (See Pfeiffer, Olah, and Falkenstein.)
- Olbon, John A., assignor to F. E. Rea, Paterson, N. J. Toilet-mirror. No. 1,105,039; July 28; Gaz. vol. 204; p. 1113.
- Olbrantz, John J., and J. Emanuel, Larson, Wash. Sole-plate. No. 1,114,022; Oct. 20; Gaz. vol. 207; p. 643.
- Olcovich, Julian H. (See Barricklow, Irvin E., assignor.)
- Old, Ausborn F., Montclair, N. J., assignor to Hale and Kilburn Company, Philadelphia, Pa. Car construction. No. 1,095,348; May 5; Gaz. vol. 202; p. 60.
- Oldenburg, Otto L. K. H., Mount Moriah, Natal, South Africa. Plow. No. 1,094,240; Apr. 21; Gaz. vol. 201; p. 793.
- Oldfield, Richard J., Phoebus, Va. Swing. No. 1,107,341; Aug. 18; Gaz. vol. 205; p. 705.
- Oldfield, Robert A., Birmingham, England. Lens or reflector support. No. 1,112,470; Oct. 6; Gaz. vol. 207; p. 19.
- Oldfield, William, New Bedford, Mass. Break-detector and warp-separator for looms. No. 1,123,137; Dec. 29; Gaz. vol. 209; p. 1634.
- Oldham, Alexander A., Greensboro, N. C. Tradesman's signal. No. 1,101,087; June 23; Gaz. vol. 203; p. 1070.
- Oldham, Frank W., and E. L. Miles, Stanley, Ky. Tractor. No. 1,101,323; June 23; Gaz. vol. 203; p. 1150.
- Oldham, Joseph R., Cleveland, Ohio. Construction of ships and other vessels. No. 1,110,077; Sept. 8; Gaz. vol. 206; p. 473.
- Oldroyd, Walter J., Hartford, assignor to George P. Clark Company, Windsor Locks, Conn. Caster device. No. 1,092,506; Apr. 7; Gaz. vol. 201; p. 133.
- Olds, Ira P., Santa Rosa, Fla. Funnel. No. 1,117,431; Nov. 17; Gaz. vol. 208; p. 764.
- Olds, Philo G., Elyria, Ohio. Motor-cycle saddle. No. 1,087,393; Feb. 17; Gaz. vol. 199; p. 727.
- Olds, Ransom E., Lansing, Mich. Tractor. No. 1,105,686; Aug. 4; Gaz. vol. 205; p. 35.

Alphabetical list of patentees—Continued.

- Olechna, Peter K., Schenectady, N. Y. Shock-absorber for vehicles. No. 1,104,380; July 21; Gaz. vol. 204; p. 836.
- Olechnowicz, Frank, Mineola, N. Y. Hat-pin guard. No. 1,092,536; Apr. 7; Gaz. vol. 201; p. 142.
- Oler, Benjamin F., Elmhurst, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. No. 1,101,036; June 23; Gaz. vol. 203; p. 1052.
- Oler, Benjamin F., Elmhurst, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. No. 1,116,320; Nov. 3; Gaz. vol. 208; p. 289.
- Olesen, Laurits C., Emmetsburg, Iowa. Gasolene traction-engine. No. 1,090,645; Mar. 17; Gaz. vol. 200; p. 768.
- Oleson, Charles P. (See Nier and Oleson.)
- Oleson, John B., Fort Atkinson, Wis. Stanchion. No. 1,084,816; Jan. 20; Gaz. vol. 198; p. 577.
- Olier, André, assignor to Société A. Olier & Cie., Clermont-Ferrand, France. Mixing-machine for india-rubber and similar compositions. No. 1,100,768; June 23; Gaz. vol. 203; p. 956.
- Olinger, J. D., *et al.* (See Humphreys, Jerome N., assignor.)
- Olin, Abraham S., assignor to Three Kays Carbon Compound Company, St. Louis, Mo. Composition for pulverizing carbon. No. 1,116,614; Nov. 10; Gaz. vol. 208; p. 438.
- Olinger, Jacob M., Springfield, Ohio. Trolley. No. 1,114,283; Oct. 20; Gaz. vol. 207; p. 738.
- Olinger, James A. (See Walker and Olinger.)
- Olinger, James A., and J. H. Walker, West Chicago, Ill. Casing-shoe. No. 1,089,583; Mar. 10; Gaz. vol. 200; p. 360.
- Olinger, John B., Denver, Colo. Genealogical record. No. 1,098,833; June 2; Gaz. vol. 203; p. 161.
- Oliphant, James E., Cleveland, Ohio. Folding crib and play-pen. No. 1,105,156; July 28; Gaz. vol. 204; p. 1153.
- Oliphant, William A., Petersburg, Ind. Post. No. 1,094,741; Apr. 28; Gaz. vol. 201; p. 1028.
- Oliskie, Frank H., Johnstown, Pa. Rail-joint. No. 1,087,505; Feb. 17; Gaz. vol. 199; p. 767.
- Oliva, Anthony J., Astoria, N. Y. Multicolor-printing machine. No. 1,101,951; June 30; Gaz. vol. 203; p. 1419.
- Oliva, José S., Regla-Habana, Cuba. Chloroformer. No. 1,112,312; Sept. 29; Gaz. vol. 206; p. 1372.
- Olive, Edwin F., Iron City, Tenn. Hame. No. 1,103,998; July 21; Gaz. vol. 204; p. 704.
- Oliver, Alfred S., Jr., Medical Lake, Wash. Steering-post light. No. 1,105,370; July 28; Gaz. vol. 204; p. 1232.
- Oliver, Arthur F. (See Stiker, Flavius B., assignor.)
- Oliver Chilled Plow Works. (See Altgelt, Rudolph J., assignor.)
- Oliver Chilled Plow Works. (See Altgelt and Carlson, assignors.)
- Oliver Chilled Plow Works. (See Carlson, Charles F., assignor.)
- Oliver Chilled Plow Works. (See Clapp, Charles W., assignor.)
- Oliver Chilled Plow Works. (See Heylman, Edward M., assignor.)
- Oliver Chilled Plow Works. (See Hoke, John I., assignor.)
- Oliver Chilled Plow Works. (See Milliken, Norman I., assignor.)
- Oliver Chilled Plow Works. (See Springer, William N., assignor.)
- Oliver, Edd C., Detroit, Mich. Speedometer. No. 1,092,590; Apr. 7; Gaz. vol. 201; p. 161.
- Oliver, Edwin L., assignor of one-half to W. A. Osborne, Nichols, N. Y. Rail-tie. No. 1,113,136; Oct. 6; Gaz. vol. 207; p. 249.
- Oliver, Elam A., Belleville, Wis. Seed-grading machine. No. 1,089,433; Mar. 10; Gaz. vol. 200; p. 306.
- Oliver, Fred S., San Francisco, Cal. Carbureting apparatus. No. 1,108,081; Aug. 18; Gaz. vol. 205; p. 965.
- Oliver, Frederick E., Bath, Me. Carboy-nose protector. No. 1,108,214; Aug. 25; Gaz. vol. 205; p. 1060.
- Oliver, George, and J. T. Boon, Birmingham, Ala. Combination spray-torch and cleaner. No. 1,099,613; June 9; Gaz. vol. 203; p. 469.
- Oliver, George A. (See O'Brien and Oliver.)
- Oliver, George A., assignor to The Standard Rock Drill Company, Denver, Colo. Valve mechanism for pneumatic tools. No. 1,090,790; Mar. 17; Gaz. vol. 200; p. 815.
- Oliver, George L., La Grande, Oreg. Aeroplane. No. 1,102,790; July 7; Gaz. vol. 204; p. 198.
- Oliver, Henry E., assignor of one-half to J. V. Morris, Birmingham, Ala. Bonus-determining device. No. 1,104,069; July 21; Gaz. vol. 204; p. 730.
- Oliver, Henry M., Newark, N. J. Sled or sleigh. No. 1,084,709; Jan. 20; Gaz. vol. 198; p. 542.
- Oliver, Henry T., Newark, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Camera-focusing device. No. 1,095,285; May 5; Gaz. vol. 202; p. 38.
- Oliver, Oscar F. (See Morris and Oliver.)
- Oliver, René. (See Marcet, Baptistin, assignor.)
- Oliver, Samuel, Chicago, Ill. Electric bell. No. 1,098,834; June 2; Gaz. vol. 203; p. 161.
- Oliver, Thomas, Toronto, Ontario, Canada. Rail-clamp wheel-stop. No. 1,096,121; May 12; Gaz. vol. 202; p. 359.
- Oliver Typewriter Co., The. (See Stafford, Wilfred, assignor.)
- Oliver Typewriter Company, The. (See Dempsey, Irving L., assignor.)
- Oliver Typewriter Company, The. (See Griffiths and Roderrick, assignors.)
- Oliver Typewriter Company, The. (See Harting, Clayton C., assignor.)
- Oliver Typewriter Company, The. (See Knapp, Theron L., assignor.)
- Oliver Typewriter Company, The. (See Knapp and Harting, assignors.)
- Oliver Typewriter Company, The. (See Poole, Charles C., assignor.)
- Oliver, William B., Collingswood, N. J. Flying-machine. No. 1,096,263; May 12; Gaz. vol. 202; p. 408.
- Oliver, Woodbury T., Newport News, Va. Hose-rack. No. 1,091,384; Mar. 24; Gaz. vol. 200; p. 1049.
- Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Panel-board. No. 1,084,560; Jan. 13; Gaz. vol. 198; p. 461.
- Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Binding device for panel-boards. No. 1,119,718; Dec. 1; Gaz. vol. 209; p. 281.
- Ollivetti, James I. (See Graves and Ollivetti.)
- Olm, Oscar J., assignor of one-half to G. Monasch, Minneapolis, Minn. Disk-feeding machine. No. 1,114,177; Oct. 20; Gaz. vol. 207; p. 700.
- Olm, Oscar J., assignor of one-half to G. Monasch, Minneapolis, Minn. Disk-feeding device. No. 1,114,178; Oct. 20; Gaz. vol. 207; p. 701.
- Olmstead, Walter R., and W. E. Orr, Beaver, Okla. Sand-climbing attachment for automobiles. No. 1,117,139; Nov. 10; Gaz. vol. 208; p. 622.
- Olney, Burt C., Rome, N. Y. Sterilizing apparatus. No. 1,114,023; Oct. 20; Gaz. vol. 207; p. 643.
- Olp, Robert G., Manitowoc, assignor to Nelson Lumber Company, Two Rivers, Wis. Washboard. No. 1,097,765; May 26; Gaz. vol. 202; p. 1013.
- Olsen, Andrew C., Chicago, Ill. Feed-bag. No. 1,119,529; Dec. 1; Gaz. vol. 209; p. 218.
- Olsen, Charles E. (See Funcheon, Daniel C., assignor.)
- Olsen, Christ, Port Richmond, N. Y. Hose-coupling. No. 1,098,752; June 2; Gaz. vol. 203; p. 135.
- Olsen, Edward C., *et al.* (See Ness, Jens M. J., assignor.)
- Olseu, Frank W., San Francisco, Cal. Disappearing bed. No. 1,108,215; Aug. 25; Gaz. vol. 205; p. 1060.
- Olsen, George E., Laconia, N. H. Machine for refining used gasolene or naphtha. No. 1,106,887; Aug. 11; Gaz. vol. 205; p. 499.
- Olsen, Hans E. (See Riley and Olsen.)
- Olsen, John, Ames, Iowa. Axle-spindle lubricator. No. 1,118,674; Nov. 24; Gaz. vol. 208; p. 1240.
- Olsen, Ole C., *et al.* (See Johnson, Clinton A., assignor.)
- Olsen, Sigward. (See Klenke and Olsen.)
- Olsen, Sigward, New York, N. Y., assignor to Klenke Cushion Axle Company. Vehicle suspension. No. 1,114,284; Oct. 20; Gaz. vol. 207; p. 738.
- Olsen, Warner A. (See Amey, Clement I., assignor.)
- Olshofsky, Frank J., and J. J. Reidy, Jersey City, N. J. Whip-holder. No. 1,110,078; Sept. 8; Gaz. vol. 206; p. 473.
- Olson, Adna E., Holton, Mich. Calking-tool. No. 1,120,523; Dec. 8; Gaz. vol. 209; p. 599.
- Olson, Adolph W., McIntosh, Minn. Vehicle. No. 1,108,216; Aug. 25; Gaz. vol. 205; p. 1060.
- Olson, Alfred A., Riverside, Ill. Automatic boiler-cleaner. No. 1,086,307; Feb. 3; Gaz. vol. 199; p. 253.
- Olson, Alma A., and G. H. Blood, Preston, Idaho, assignors to National Lock and Mfg. Co. Lock. No. 1,087,069; Feb. 10; Gaz. vol. 199; p. 561.
- Olson, Ames A., Herndon, Kans. Two-speed gearing. No. 1,099,464; June 9; Gaz. vol. 203; p. 419.
- Olson, Andrew P., Chicago, Ill. Radiator. No. 1,120,404; Dec. 8; Gaz. vol. 209; p. 557.
- Olson, Charles O., assignor to The A. H. Andrews Co., Chicago, Ill. Seat-hinge. No. 1,107,440; Aug. 18; Gaz. vol. 205; p. 742.
- Olson, Charles S. (See Zahl, Hjalmar, assignor.)
- Olson, Charley A., St. Peter, Minn. Pen-extractor. No. 1,093,721; Apr. 21; Gaz. vol. 201; p. 622.
- Olson, Christian, Everett, Wash. Fastener. No. 1,087,506; Feb. 17; Gaz. vol. 199; p. 767.
- Olson, David, El Campo, Tex. Beet puller and toppler. No. 1,094,742; Apr. 28; Gaz. vol. 201; p. 1028.
- Olson, Edward, Robbin, Minn. Plowshare-securing attachment for plows. No. 1,096,940; May 19; Gaz. vol. 202; p. 682.
- Olson, Einar C., Everett, Wash. Account-book. No. 1,117,146; Nov. 10; Gaz. vol. 208; p. 624.
- Olson, Emil, Rockford, Ill. Wagon-body. No. 1,099,718; June 9; Gaz. vol. 203; p. 506.
- Olson, Emil, Two Harbors, Minn. Plasterer's float. No. 1,121,281; Dec. 15; Gaz. vol. 209; p. 912.

Alphabetical list of patentees—Continued.

- Olson, Gottfred, International Falls, Minn. Metallic tie and track-fastening. No. 1,087,678; Feb. 17; Gaz. vol. 199; p. 829.
- Olson, Gustav A., Albert Lea, Minn. Overhead track. No. 1,103,310; July 14; Gaz. vol. 204; p. 426.
- Olson, Gustave A., Albert Lea, Minn. Litter-carrier. No. 1,109,456; Sept. 1; Gaz. vol. 206; p. 212.
- Olson, Hans M., Beaumont, Cal. Waterproof concrete composition. No. 1,109,540; Sept. 1; Gaz. vol. 206; p. 239.
- Olson, John. (See Gosnell and Olson.)
- Olson, John, York, Nebr. Folding garment-hanger. No. 1,101,088; June 23; Gaz. vol. 203; p. 1070.
- Olson, John A., Rockford, Ill. Glass-polishing machine. No. 1,086,076; Feb. 3; Gaz. vol. 199; p. 179.
- Olson, John A., Hildreth, Nebr. Manure-spreader. No. 1,088,613; Feb. 24; Gaz. vol. 199; p. 1190.
- Olson, John J., trustee. (See Peterson, James, assignor.)
- Olson, John L., St. Paul, Minn. Street or station indicator. No. 1,094,743; Apr. 28; Gaz. vol. 201; p. 1028.
- Olson, John O., Red Wing, Minn. Incubator. No. 1,100,146; June 16; Gaz. vol. 203; p. 691.
- Olson, John O., Red Wing, Minn. Incubator. No. 1,119,630; Dec. 1; Gaz. vol. 209; p. 252.
- Olson, Joseph M., Canadian, Tex. Fastener for window-screens. No. 1,111,086; Sept. 22; Gaz. vol. 206; p. 912.
- Olson, Joseph M., Chicago, Ill. Hollow door. No. 1,111,087; Sept. 22; Gaz. vol. 206; p. 913.
- Olson, Karl F., Brockton, Mass. Portable fire-escape. No. 1,113,369; Oct. 13; Gaz. vol. 207; p. 377.
- Olson, Louise L., Van Horn, Iowa. Potato-masher. No. 1,084,102; Jan. 13; Gaz. vol. 198; p. 310.
- Olson, Mauritz W., Galesburg, Ill. Vulcanizer. No. 1,107,441; Aug. 18; Gaz. vol. 205; p. 742.
- Olson, Nils F., Chicago, Ill. Temporary binder. No. 1,111,173; Sept. 22; Gaz. vol. 206; p. 943.
- Olson, Samuel, Chicago, Ill. Bread-proofing apparatus. No. 1,099,266; June 9; Gaz. vol. 203; p. 350.
- Olson, Swan, Marion, N. D. Trace-carrier. No. 1,103,373; July 14; Gaz. vol. 204; p. 447.
- Olson, William O., Chicago, Ill. Shock-absorber. No. 1,097,353; May 19; Gaz. vol. 202; p. 827.
- Olmsrud, Peter, et al. (See Ness, Jens M. J., assignor.)
- Olsson, Arthur L., Los Angeles, Cal. Sheet-music cabinet. No. 1,100,841; June 23; Gaz. vol. 203; p. 982.
- Olstad, Martin T., Greenport, N. Y. Hook. No. 1,088,614; Feb. 24; Gaz. vol. 199; p. 1190.
- Oltch, George J., assignor to C. B. Stephenson, South Bend, Ind. Union garment. No. 1,109,010; Sept. 1; Gaz. vol. 206; p. 54.
- Olympia Games Company. (See Raster, Walther, assignor.)
- Oman, John W., Houston, Tex., assignor to Universal Aerial Navigation Company, St. Louis, Mo. Airship. No. 1,117,080; Nov. 10; Gaz. vol. 208; p. 601.
- Omega Separator Company. (See Wilford and Wood, assignors.)
- Omer, William J., Thomas, Okla. Carbureter. No. 1,105,371; July 28; Gaz. vol. 204; p. 1233.
- Omer, William J., and J. C. Stull, Thomas, Okla. Boiler-scraper. No. 1,095,591; May 5; Gaz. vol. 202; p. 142.
- Omick, William K., Detroit, Mich. Pneumatic spring for vehicles. No. 1,114,285; Oct. 20; Gaz. vol. 207; p. 739.
- Omick, William K., Detroit, Mich. Steam-generator. No. 1,122,796; Dec. 29; Gaz. vol. 209; p. 1513.
- Onderdonk, Arthur, Washington, D. C. Trap. No. 1,113,043; Oct. 6; Gaz. vol. 207; p. 218.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Co., Chicago, Ill. Spreader or loop-retainer for sewing-machines. No. 1,087,817; Feb. 17; Gaz. vol. 199; p. 874.
- Onderdonk, Lansing, New York, N. Y., assignor to The Union Special Machine Company, Chicago, Ill. Overseaming-machine. No. 1,109,455; Sept. 1; Gaz. vol. 206; p. 211.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Looper-operating mechanism for sewing-machines. No. 1,111,703; Sept. 22; Gaz. vol. 206; p. 1126.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Looper-operating mechanism for sewing-machines. No. 1,111,704; Sept. 22; Gaz. vol. 206; p. 1127.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Looper-operating mechanism for sewing-machines. No. 1,111,705; Sept. 22; Gaz. vol. 206; p. 1127.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing-machines. No. 1,115,096; Oct. 27; Gaz. vol. 207; p. 1077.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Multiple-needle single-chain-stitch machine. No. 1,118,574; Nov. 24; Gaz. vol. 208; p. 1205.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for straight-away and overseaming machines. No. 1,119,109; Dec. 1; Gaz. vol. 209; p. 74.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Blindstitch sewing-machine. No. 1,119,110; Dec. 1; Gaz. vol. 209; p. 74.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Thread-controller for sewing-machines. No. 1,120,524; Dec. 8; Gaz. vol. 209; p. 599.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing-machines. No. 1,121,127; Dec. 15; Gaz. vol. 209; p. 861.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Looper-operating mechanism for sewing-machines. No. 1,122,025; Dec. 22; Gaz. vol. 209; p. 1210.
- Onderdonk, Lansing, New York, N. Y., and R. G. Woodward, Waukegan, Ill., assignors to The Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,116,726; Nov. 10; Gaz. vol. 208; p. 477.
- Ondrak, Jacob A., Brooklyn, N. Y. Skeleton girdle. No. 1,104,215; July 21; Gaz. vol. 204; p. 779.
- One Piece Bifocal Lens Company. (See Conner and Pearson, assignors.)
- Oneida Community. (See Ricker, Frank S., assignor.)
- Oneida Community Limited. (See Noyes, Pierrepont B., assignor.)
- Onepiece Bifocal Lens Company, The. (See Conner Charles W., assignor.)
- Ong, Harlon F., Portland, Oreg. Fountain-syringe attachment. No. 1,099,760; June 9; Gaz. vol. 203; p. 520.
- Onion, Emory O., Summum, and C. D. Snively, Ipava, Ill. Fracture and extension apparatus. No. 1,108,469; Aug. 25; Gaz. vol. 205; p. 1148.
- Onions, John T., Albany, N. Y. Combination cooking apparatus. No. 1,102,540; July 7; Gaz. vol. 204; p. 112.
- Onsrud, Oscar, Chicago, Ill. Core-drum. No. 1,090,492; Mar. 17; Gaz. vol. 200; p. 717.
- Ontko, John, Jr., Smithfield, Pa. Ship's buffer. No. 1,095,919; May 5; Gaz. vol. 202; p. 252.
- Onyett, Howard M., et al. (See Schenck, Henry L., assignor.)
- Oosterhous, Jacob J., Plymouth, Wis. Attachment for plows. No. 1,089,005; Mar. 3; Gaz. vol. 200; p. 114.
- Oot, William H., Syracuse, N. Y. Milk-bottle protector. No. 1,097,186; May 19; Gaz. vol. 202; p. 767.
- Opdahl, Nels T., New Duluth, Minn. Railway-tie. No. 1,099,267; June 9; Gaz. vol. 203; p. 350.
- Opdycke, Henry G. (See O'Brien, Thomas, assignor.)
- Opelt, Frank, Muscatine, Iowa. Scaffolding-support. No. 1,107,098; Aug. 11; Gaz. vol. 205; p. 569.
- Opelz, John, assignor of one-third to F. Altmeyer, Cleveland, Ohio. Roofing-tile. No. 1,092,799; Apr. 7; Gaz. vol. 201; p. 231.
- Onfergelt, Frank H., Woodstock, Ill. Well-boring apparatus. No. 1,118,575; Nov. 24; Gaz. vol. 208; p. 1206.
- Opie, John T., Kansas City, Mo. Wire-cutting device. No. 1,115,097; Oct. 27; Gaz. vol. 207; p. 1078.
- Oplustil, Marie, Chicago, Ill. Quilt-cover. No. 1,118,220; Nov. 24; Gaz. vol. 208; p. 1079.
- Oppenheim, Albert, New York, N. Y., and E. Cleary, assignors to The Connecticut Web and Buckle Company, Bridgeport, Conn. Garment-hanger. No. 1,111,855; Sept. 29; Gaz. vol. 206; p. 1217.
- Oppenheim, Oberndorf & Co. (See Atkinson, Joseph M., assignor.)
- Opperman, Conrad A. (See Barnes and Opperman.)
- Opperrud, Haldor A., Litchville, N. D. Boiler-flue reinforcement. No. 1,102,163; June 30; Gaz. vol. 203; p. 1493.
- Oppy, Abraham B., Peoria, Ill. Lamp attachment. No. 1,087,178; Feb. 17; Gaz. vol. 199; p. 651.
- Opsahl, Johan B., Madison, Wis. Resistance unit. No. 1,086,726; Feb. 10; Gaz. vol. 199; p. 445.
- Opsal, Andrew, Vancouver, British Columbia, Canada. Wire-rope-transmission carriage. No. 1,106,471; Aug. 11; Gaz. vol. 205; p. 352.
- Opsal, Anton M., Minneapolis, Minn. Artificial leg. No. 1,102,289; July 7; Gaz. vol. 204; p. 24.
- Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Bernick, Ernst, assignor.)
- Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Humbrecht, Jules, assignor.)
- Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Jacob, Heinrich, assignor.)
- Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Jacob and Hofe, assignors.)
- Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Jacob and Humbrecht, assignors.)
- Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Schmuck, Joseph, assignor.)
- Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Zschokke, Walther, assignor.)
- Orbán, Stefan, New York, N. Y. Bearing. No. 1,105,097; July 28; Gaz. vol. 204; p. 1134.
- Orbik, John, Hurley, Wis. Railway-switch. No. 1,105,996; Aug. 4; Gaz. vol. 205; p. 143.
- Orbin, George, Hoboken, Pa. Electromagnetic control device for exit of sand-boxes. No. 1,117,894; Nov. 17; Gaz. vol. 208; p. 926.

Alphabetical list of patentees—Continued.

- Orcutt, Edward L., deceased, Somerville; F. A. Maddox, Medford, and E. N. Hutchins, Somerville, Mass., executors. Apparatus for electrically controlling air-brakes. No. 1,114,642; Oct. 20; Gaz. vol. 207; p. 862.
- Orcutt, Edward L., deceased, Somerville; F. A. Maddox, Medford, and E. N. Hutchins, Somerville, Mass., executors. Apparatus for electrically controlling air-brakes. No. 1,114,643; Oct. 20; Gaz. vol. 207; p. 863.
- Orcutt, Edward L., deceased, Somerville; F. A. Maddox, Medford, and E. N. Hutchins, Somerville, Mass., executors. Speed-regulating mechanism. No. 1,114,644; Oct. 20; Gaz. vol. 207; p. 863.
- Ord, Craven R., McAdam Junction, New Brunswick, Canada. Rotary engine. No. 1,104,539; July 21; Gaz. vol. 204; p. 894.
- Ord, Lewis C., assignor to Canadian Gold Car Heating & Lighting Company, Limited, Montreal, Quebec, Canada. Means for regulating steam-heating systems. No. 1,108,218; Aug. 25; Gaz. vol. 205; p. 1061.
- Ordinance Development Company. (See Davis, Cleland, assignor.)
- Ordinance Improvement Company. (See Gerdorn, Gregory, assignor.)
- Oreggia, Vittorio, San Remo, Italy. Closure for boxes and the like. No. 1,099,815; June 9; Gaz. vol. 203; p. 538.
- Oregon Envelope Company. (See Hari, Paul, assignor.)
- Orel, Eduard von, Vienna, Austria-Hungary, assignor to Firm of C. Zeiss, Jena, Germany. Stereo apparatus for plastic reproduction. No. 1,090,493; Mar. 17; Gaz. vol. 200; p. 717.
- Orel, Eduard von, Vienna, Austria-Hungary, assignor to Firm of C. Zeiss, Jena, Germany. Stereo-isohypsograph. No. 1,090,494; Mar. 17; Gaz. vol. 200; p. 717.
- Orelli, Abraham T. (See Vertunni and Orelli.)
- Orem, Ernest I. (See Mathews and Orem.)
- Orendorff, Oliver H., Eureka Springs, Ark. Bundle-tying device. No. 1,085,699; Feb. 3; Gaz. vol. 199; p. 42.
- Orenstein-Arthur Koppel Co. (See Cotton, James H., assignor.)
- Orenstein-Arthur Koppel Co. (See Hansen, Karl H., assignor.)
- Orenstein & Koppel-Arthur Koppel Aktiengesellschaft. (See Ullmann, Emil, assignor.)
- Organ Power Company, The. (See Spencer, Ira H., assignor.)
- Organ, Thomas O., Germantown, Pa. Grease-cup. No. 1,104,540; July 21; Gaz. vol. 204; p. 894.
- Organ, Thomas O., Philadelphia, Pa. Grease-cup. No. 1,121,392; Dec. 15; Gaz. vol. 209; p. 951.
- Organ, Thomas O., Germantown, assignor to A. C. Buzby, Philadelphia, Pa. Lubricator. No. 1,092,164; Apr. 7; Gaz. vol. 201; p. 13.
- Orkin, Harry, Chelsea, Mass. Shaper for cuttle-fish molds. No. 1,091,158; Mar. 24; Gaz. vol. 200; p. 976.
- Orlando, Tony, Brooklyn, N. Y. Ship-fender. No. 1,100,607; June 16; Gaz. vol. 203; p. 847.
- Orlansky, Abraham I., Charleston, S. C. Toy. No. 1,116,911; Nov. 10; Gaz. vol. 208; p. 542.
- Orling, Axel, Tooting, London, England. Apparatus for reproducing vibrations of small amplitude. No. 1,094,165; Apr. 21; Gaz. vol. 201; p. 769.
- Orling, Axel, assignor to Orling's Telegraph Instruments Syndicate Limited, London, England. Relay apparatus. No. 1,089,434; Mar. 10; Gaz. vol. 200; p. 306.
- Orling's Telegraph Instruments Syndicate Limited. (See Orling, Axel, assignor.)
- Orlopp, Piatt M., Indianapolis, Ind. Gaseous-fluid mixer. No. 1,088,034; Feb. 24; Gaz. vol. 199; p. 997.
- Orme, Harry A., Wesley Heights, D. C. Front wheel for aeroplanes. No. 1,106,519; Aug. 11; Gaz. vol. 205; p. 370.
- Orme, Harry A., Wesley Heights, D. C. Transmission-gear for aeroplanes. No. 1,113,044; Oct. 6; Gaz. vol. 207; p. 219.
- Ormerod, John, Castleton, near Manchester, England. Machine for dressing hides, skins, and the like. No. 1,117,227; Nov. 17; Gaz. vol. 208; p. 692.
- Ormiston, Harry O., Rockdale, near Sydney, New South Wales, Australia. Metallic alloy and manufacture thereof. No. 1,101,089; June 23; Gaz. vol. 203; p. 1070.
- Ormston, Alfred J., assignor to The Massey Machine Co., Watertown, N. Y. Governor. No. 1,102,069; June 30; Gaz. vol. 203; p. 1461.
- Orner, Ellis F., Gowen City, Pa. Sprag-brake. No. 1,103,821; July 14; Gaz. vol. 204; p. 603.
- Orpheola Company, The. (See Waite, William T., assignor.)
- Orr, Clifford D., assignor to Orr Manufacturing Company, Yazoo City, Miss. Oil-press. No. 1,085,993; Feb. 3; Gaz. vol. 199; p. 148.
- Orr, Gaylord A., Cripple Creek, Colo. Pneumatic rock-drill. No. 1,099,994; June 16; Gaz. vol. 203; p. 636.
- Orr, James E., and W. E. Marshall, Fort Worth, Tex. Shade-roller and curtain bracket. No. 1,087,179; Feb. 17; Gaz. vol. 199; p. 651.
- Orr, John K., and L. F. Jones, Zeigler, Ill. Mine-door. No. 1,090,562; Mar. 17; Gaz. vol. 200; p. 741.
- Orr, John S., Augusta, Ky. Water-craft propeller. No. 1,094,007; Apr. 21; Gaz. vol. 201; p. 716.
- Orr, John W., assignor of one-half to R. Carstensen, Sacramento, Cal. Ice-can. No. 1,084,956; Jan. 20; Gaz. vol. 198; p. 624.
- Orr, Joseph L., Lynchburg, Va. Rail tie and fastener. No. 1,116,106; Nov. 3; Gaz. vol. 208; p. 220.
- Orr Manufacturing Company. (See Orr, Clifford D., assignor.)
- Orr, Mark P., Indianapolis, Ind. Sterilizing apparatus. No. 1,106,579; Aug. 11; Gaz. vol. 205; p. 392.
- Orr, Robert H., Fort Bragg, Cal. Sawmill. No. 1,098,292; May 26; Gaz. vol. 202; p. 1199.
- Orr, William E. (See Ohmstead and Orr.)
- Orr, William F. (See Phillips, Thomas J., assignor.)
- Ortengren, Alfred, Brooklyn, N. Y. Vehicle-wheel. No. 1,108,219; Aug. 25; Gaz. vol. 205; p. 1061.
- Ortgyzen, Cornelius. (See Johnson, Fritz, assignor.)
- Orth, Frank, Indiana Harbor, Ind. Arch construction for furnaces. No. 1,095,920; May 5; Gaz. vol. 202; p. 253.
- Orth, George A., and J. J. White, Rochester, N. Y. Fluid-separator. No. 1,086,931; Feb. 10; Gaz. vol. 199; p. 517.
- Orth, William P., Milwaukee, Wis. Boring-machine. No. 1,101,879; June 30; Gaz. vol. 203; p. 1392.
- Orton, Alfred, Cheyenne, Wyo. Auto-body. No. 1,094,241; Apr. 21; Gaz. vol. 201; p. 794.
- Orton, Alfred, Cheyenne, Wyo. Jig attachment for planers. No. 1,115,966; Nov. 3; Gaz. vol. 208; p. 171.
- Orton, Collins K., San Francisco, Cal. Cutter-head. No. 1,112,085; Sept. 29; Gaz. vol. 206; p. 1293.
- Orton, Frederic. (See Hinde, Orton, and Lindgren.)
- Orton, Ingomar F., Galveston, Tex. Weed-killing car. No. 1,098,964; June 2; Gaz. vol. 203; p. 206.
- Orum, Samuel R. M., Detroit, Mich. Foot control mechanism for motor-vehicles. No. 1,114,024; Oct. 20; Gaz. vol. 207; p. 644.
- Orvis, Orland D., New York, N. Y. Smoke-consuming furnace. No. 1,097,662; May 26; Gaz. vol. 202; p. 977.
- Osada, Clara, Denver, Colo. Cooking utensil. No. 1,089,664; Mar. 10; Gaz. vol. 200; p. 388.
- Osaka, Rikijiro, Denver, Colo. Window-cleaner. No. 1,117,895; Nov. 17; Gaz. vol. 208; p. 927.
- Osborn, Benjamin F., and E. F. Zirbel, Rippey, Iowa. Train-locating and time-regulating apparatus. No. 1,091,756; Mar. 31; Gaz. vol. 200; p. 1220.
- Osborn, Don W., Cherryvale, Kans. Door-frame for silos. No. 1,084,164; Jan. 13; Gaz. vol. 198; p. 331.
- Osborn, Francis C., Detroit, Mich. Puzzle. No. 1,092,165; Apr. 7; Gaz. vol. 201; p. 14.
- Osborn, Francis C., Detroit, Mich., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,119,983; Dec. 8; Gaz. vol. 209; p. 408.
- Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Type setting and distributing machine. No. 1,094,089; Apr. 21; Gaz. vol. 201; p. 743.
- Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Printing-machine. No. 1,117,896; Nov. 17; Gaz. vol. 208; p. 927.
- Osborn, Henry C., assignor to The Saunders Sealer Company, Cleveland, Ohio. Envelop-sealer. No. 1,109,011; Sept. 1; Gaz. vol. 206; p. 54.
- Osborn, James D. (See Prescott, Sitwell, assignor.)
- Osborn, Joseph A., St. Louis, Mo. Portable electrically-driven tool. No. 1,117,140; Nov. 10; Gaz. vol. 208; p. 622.
- Osborn, Joseph A., assignor to American Car and Foundry Company, St. Louis, Mo. Electric switch. No. 1,109,594; Sept. 1; Gaz. vol. 206; p. 258.
- Osborn, Joseph A., assignor to American Car and Foundry Company, St. Louis, Mo. Electric switch. No. 1,109,595; Sept. 1; Gaz. vol. 206; p. 258.
- Osborn, Lara E., Estes Park, Colo. Hydrocarbon-burner. No. 1,109,867; Sept. 8; Gaz. vol. 206; p. 398.
- Osborn Manufacturing Company, The. (See Atwater, Harry R., assignor.)
- Osborn Manufacturing Company, The. (See Atwater and Carman, assignors.)
- Osborn Manufacturing Company, The. (See Knowlton and Elliot, assignors.)
- Osborn, Pearl W., assignor of one-half to B. L. Bonnell, Loveland, Colo. Wrench. No. 1,105,372; July 28; Gaz. vol. 204; p. 1233.
- Osborn, Warren M., New Britain, Conn. Rail-fastening means. No. 1,089,861; Mar. 10; Gaz. vol. 200; p. 454.
- Osborne, Charles G., Chicago, Ill. Treating manganese-steel ingots. No. 1,094,090; Apr. 21; Gaz. vol. 201; p. 744.
- Osborne, Charles H. (See Dunham, George, assignor.)
- Osborne, Charles S., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,097,987; May 26; Gaz. vol. 202; p. 1094.
- Osborne, Clarence B., Sacramento, Cal. Adhesive test for oils, &c. No. 1,120,624; Dec. 8; Gaz. vol. 209; p. 636.
- Osborne, Frank M., Anaconda, Mont. Demountable tire-rim. No. 1,095,349; May 5; Gaz. vol. 202; p. 60.
- Osborne, Harry, *et al.* (See Vaughan, Henry H., assignor.)

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- Osborne, John H., assignor to The Anderson Computing Scale Company, Anderson, Ind. Computing cheese-cutter. (Reissue.) No. 13,746; June 9; Gaz. vol. 203; p. 573.
- Osborne, John L., assignor to Judson Governor Company, Rochester, N. Y. Engine-governor. No. 1,087,818; Feb. 17; Gaz. vol. 199; p. 875.
- Osborne Patented Machinery Co., The. (See Osborne, William S., assignor.)
- Osborne, Willard B. Sewickley, assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Gas-washer. No. 1,094,466; Apr. 28; Gaz. vol. 201; p. 930.
- Osborne, William A. (See Oliver, Edwin L., assignor.)
- Osborne, William S., New York, N. Y., assignor to The Osborne Patented Machinery Co., Inc. Making ice. No. 1,104,920; July 28; Gaz. vol. 204; p. 1073.
- Osbourne, Millard P., Merchantville, N. J., assignor to Warren Webster & Company. Steam-heating system. No. 1,093,722; Apr. 21; Gaz. vol. 201; p. 622.
- Osbourne, Millard P., Merchantville, N. J., assignor to Warren Webster & Company. Feed-water heater. No. 1,117,696; Nov. 17; Gaz. vol. 208; p. 858.
- Osbourne, Millard P., and E. W. Comfort, Merchantville, N. J., assignors to Warren Webster & Company. Low-tension steam-heating system. No. 1,096,941; May 19; Gaz. vol. 202; p. 682.
- Oscar, Bertha E. (See Cullen, Ernest E., assignor.)
- Oschger, Charles E., Pittsburgh, Pa. Hydraulic elevator. No. 1,116,615; Nov. 10; Gaz. vol. 208; p. 438.
- Oscillating Light Co. (See Hall, Charles B., assignor.)
- Osenburg, Charles E., Baltimore, Md. Portable tower. No. 1,119,631; Dec. 1; Gaz. vol. 209; p. 252.
- Osgood, Dana, assignor to Draper Company, Hopedale, Mass. Warp stop-motion for looms. No. 1,116,321; Nov. 3; Gaz. vol. 208; p. 290.
- Osgood, John L., Buffalo, N. Y. Making oil-caps. No. 1,120,525; Dec. 8; Gaz. vol. 209; p. 600.
- Oshkosh Trunk Company, The. (See Meyer, Frank W., assignor.)
- Osius, Frederick C. C. T. A., Grand Rapids, Mich. Manufacturing artificial coal from peat. No. 1,105,206; July 28; Gaz. vol. 204; p. 1171.
- Osmer, John E. (See Hardin, Louis A., assignor.)
- Osmer, John E., Boone, assignor to The Fisher Governor Company, Marshalltown, Iowa. Fluid-regulator. No. 1,110,294; Sept. 8; Gaz. vol. 206; p. 551.
- Osmer, John E., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Air-brake valve. No. 1,113,679; Oct. 13; Gaz. vol. 207; p. 484.
- Osmer, John E., Owosso, Mich., assignor of one-half to L. A. Hardin, Boone, Iowa. Fire-door. No. 1,122,300; Dec. 29; Gaz. vol. 209; p. 1342.
- Osmer, William H., St. Louis, Mo. Dispensing-cabinet. No. 1,113,476; Oct. 13; Gaz. vol. 207; p. 415.
- Osnos, Mendel, Berlin, Germany, assignor to General Electric Company. Tuning alternating-current circuits. No. 1,122,027; Dec. 22; Gaz. vol. 209; p. 1210.
- Osswald, Herman, Brooklyn, assignor, by mesne assignments, to Locke Steel Chain Company, Great River, N. Y. Apparatus for making chain. No. 1,107,831; Aug. 18; Gaz. vol. 205; p. 879.
- Ostberg, John H., Bridgeport, Conn. Mortise-marking tool. No. 1,117,597; Nov. 17; Gaz. vol. 208; p. 821.
- Ostdiek, Herman J., and J. A. Ekelund, Minneapolis, Minn. Flour-sifter. No. 1,115,009; Oct. 27; Gaz. vol. 207; p. 1046.
- Osten, James H. and R. G., Plano, Ill. Road-grading machine. No. 1,086,554; Feb. 10; Gaz. vol. 199; p. 385.
- Osten, Robert G. (See Lamkin, Bert E., assignor.)
- Osten, Robert G. (See Osten, James H. and R. G.)
- Ostenberg, John A., Campbell, Cal. Magneto drive for internal-combustion engines. No. 1,115,729; Nov. 3; Gaz. vol. 208; p. 90.
- Ostenberg, John A., Campbell, Cal. Motor-plow. No. 1,117,432; Nov. 17; Gaz. vol. 208; p. 764.
- Ostendorf, John A. (See Whalen, William A., assignor.)
- Ostendorf, Wilhelm L., Wilkins township, Allegheny county, assignor of one-third to A. H. Klesa and one-third to F. P. Scott, Allegheny county, Pa. Air-spring. No. 1,108,930; Sept. 1; Gaz. vol. 206; p. 25.
- Ostendorf, Wilhelm L., assignor of one-third to A. H. Klesa and one-third to F. P. Scott, Wilkinsburg, Pa. Pneumatic spring for vehicles or shock-absorbers. No. 1,113,370; Oct. 13; Gaz. vol. 207; p. 377.
- Oster, Henry J., and H. J. Kessels, Ethan, S. D. Flying-machine. No. 1,119,632; Dec. 1; Gaz. vol. 209; p. 252.
- Oster, Herman W., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Die-stock. No. 1,085,934; Feb. 3; Gaz. vol. 199; p. 126.
- Oster, Herman W., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Die-stock. No. 1,085,935; Feb. 3; Gaz. vol. 199; p. 126.
- Oster, Herman W., and W. J. Macak, assignors to The Oster Manufacturing Company, Cleveland, Ohio. Die-stock. No. 1,116,838; Nov. 10; Gaz. vol. 208; p. 518.
- Oster Manufacturing Company, The. (See Oster, Herman W., assignor.)
- Oster Manufacturing Company, The. (See Oster and Macak, assignors.)
- Österberg, Erik G., Worcester, Mass. Swimming device. No. 1,113,820; Oct. 13; Gaz. vol. 207; p. 535.
- Osterholm, William. (See Latham and Osterholm.)
- Osterholm, William. (See Weber and Osterholm.)
- Osterhoudt, William D., Poughkeepsie, assignor of one-half to E. V. Watson, Fishkill-on-the-Hudson, N. Y. Adjustable foot for ladders. No. 1,088,167; Feb. 24; Gaz. vol. 199; p. 1043.
- Osterhoudt, William D., Poughkeepsie, assignor of one-half to E. V. Watson, Fishkill-on-the-Hudson, N. Y. Adjustable foot for ladders. No. 1,088,168; Feb. 24; Gaz. vol. 199; p. 1043.
- Osterhoudt, William D., Poughkeepsie, assignor of one-half to E. V. Watson, Fishkill-on-the-Hudson, N. Y. Adjustable foot for ladders. No. 1,088,169; Feb. 24; Gaz. vol. 199; p. 1043.
- Osterhoudt, William D., Poughkeepsie, assignor of one-half to E. V. Watson, Fishkill-on-the-Hudson, N. Y. Means for preventing overload on self-propelled vehicles. No. 1,122,797; Dec. 29; Gaz. vol. 209; p. 1514.
- Osterlind, August F., St. Paul, Minn. Automatic starter for combustion-engines. No. 1,100,697; June 16; Gaz. vol. 203; p. 876.
- Ostermann, Gustav, Cologne-Riehl, Germany. Apparatus for spraying liquid metal. No. 1,095,414; May 5; Gaz. vol. 202; p. 82.
- Ostermann, Leopold, Hamburg, Germany. Formation of diaryl ethers. No. 1,099,761; June 9; Gaz. vol. 203; p. 520.
- Ostheimer, Adam, Cleveland, Ohio. Fastening contrivance. No. 1,094,091; Apr. 21; Gaz. vol. 201; p. 744.
- Ostman, Joseph O., Hancock, Mich. Umbrella. No. 1,108,217; Aug. 25; Gaz. vol. 205; p. 1061.
- Ostrander, Allen E. (See Conwell and Ostrander.)
- Ostrander, Allen E., Ridgewood, N. J. Brake-step. No. 1,097,931; May 26; Gaz. vol. 202; p. 1073.
- Ostrander, Allen E., Ridgewood, N. J. Car end construction. No. 1,120,739; Dec. 15; Gaz. vol. 209; p. 723.
- Ostrander, Allen E., Ridgewood, N. J. Draft-gear attachment or coupling-yoke. No. 1,122,412; Dec. 29; Gaz. vol. 209; p. 1378.
- Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Tank-car. No. 1,097,928; May 26; Gaz. vol. 202; p. 1073.
- Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Carline. No. 1,097,929; May 26; Gaz. vol. 202; p. 1073.
- Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Tank-car. No. 1,097,930; May 26; Gaz. vol. 202; p. 1073.
- Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Knock-down car. No. 1,122,411; Dec. 29; Gaz. vol. 209; p. 1378.
- Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Tank-car anchor. No. 1,122,413; Dec. 29; Gaz. vol. 209; p. 1378.
- Ostrander Seymour Company, The. (See Gibbon, Robert J., assignor.)
- Ostringer, Paul J., Schenectady, N. Y. Drafting instrument. No. 1,111,174; Sept. 22; Gaz. vol. 206; p. 943.
- Ostromislensky, Iwan, Moscow, Russia. Manufacturing erythrene hydrocarbons. No. 1,108,781; Aug. 25; Gaz. vol. 205; p. 1254.
- Ostronjal, Mathias. (See Matos, Mike, assignor.)
- Ostwald, Walter A., Bayfield, Colo. Safety-stirrup. No. 1,104,216; July 21; Gaz. vol. 204; p. 779.
- Oswald, Edward C., Fullerton, Pa. Shower-bath. No. 1,083,505; Jan. 6; Gaz. vol. 198; p. 82.
- Oswald, Karl, Irvington, N. J., assignor to Morgenstern & Brill. Fastener for hand-bags and the like. No. 1,102,541; July 7; Gaz. vol. 204; p. 112.
- Oswald, Richard W., Pittsburgh, Pa. Metallic tie and rail-fastener. No. 1,091,530; Mar. 31; Gaz. vol. 200; p. 1142.
- Oswalt, Sarah, Brazil, Ind. Hanger. No. 1,115,730; Nov. 3; Gaz. vol. 208; p. 90.
- Oters, Richard, Ossining, N. Y. Plant-protector. No. 1,098,586; June 2; Gaz. vol. 203; p. 80.
- Otis Elevator Company. (See Coyle, Andrew M., assignor.)
- Otis Elevator Company. (See Gale, Ernest L., assignor.)
- Otis Elevator Company. (See Gale, Ernest L., Sr., assignor.)
- Otis Elevator Company. (See John, Griffith, assignor.)
- Otis Elevator Company. (See Lindquist, David L., assignor.)
- Otis Elevator Company. (See Lindquist, Smith, and John, assignors.)
- Otis Elevator Company. (See Lutz, William D., assignor.)
- Otis Elevator Company. (See Mack, Coster J., assignor.)
- Otis Elevator Company. (See Manville, Charles B., assignor.)
- Otis Elevator Company. (See Matthews, Edwin S., assignor.)
- Otis Elevator Company. (See Pearson and Sundh, assignors.)
- Otis Elevator Company. (See Reno, Jesse W., assignor.)
- Otis Elevator Company. (See Seeberger, Charles D., assignor.)

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- Otis Elevator Company. (See Sundb, August, assignor.)
 Otis, Hazel K. (See Otis, James S., assignor.)
 Otis, Howard J., Walton, Oreg. Antislipping device. No. 1,084,957; Jan. 20; Gaz. vol. 198; p. 625.
 Otis, James S., assignor, by mesne assignments, to H. K. Otis, New York, N. Y. One-way valve. No. 1,093,465; Apr. 14; Gaz. vol. 201; p. 493.
 Otis and Moe Manufacturing Company. (See Bennett, Paul P., assignor.)
 Otis, Spencer, Chicago, Ill. Dump-car. No. 1,089,493; Mar. 10; Gaz. vol. 200; p. 329.
 Otis, Spencer, assignor to National Patent Holding Company, Chicago, Ill. Turbine. No. 1,090,495; Mar. 17; Gaz. vol. 200; p. 718.
 Otrich, Grover C., and J. L. Bischof, Belleville, Ill. Means for securing dental plates in position. No. 1,101,810; June 30; Gaz. vol. 203; p. 1369.
 Ott, Frederick, Conshohocken, Pa. Loose reed-motion for looms. No. 1,107,546; Aug. 18; Gaz. vol. 205; p. 777.
 Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Slide positioning and changing mechanism for stereopticons and the like. No. 1,099,310; June 9; Gaz. vol. 203; p. 365.
 Ott, John. (See O'Brien, Ott, and Tilly.)
 Ott, Louis, Harrisburg, Pa. Gas-lighter. No. 1,099,511; June 9; Gaz. vol. 203; p. 434.
 Ottaway, William, Aurora, assignor to Aurora Automatic Machinery Company, Chicago, Ill. Carburetor. No. 1,105,687; Aug. 4; Gaz. vol. 205; p. 35.
 Otter, Alois, New York, N. Y. Steering-gear for vehicles. No. 1,093,466; Apr. 14; Gaz. vol. 201; p. 493.
 Ottershagen, Charles, Portland, Oreg. Cook stove and range. No. 1,102,430; July 7; Gaz. vol. 204; p. 74.
 Ottignon, Thomas, Wexford, Ontario, Canada. Fire-escape. No. 1,092,662; Apr. 7; Gaz. vol. 201; p. 186.
 Ottinger, Leon, New York, N. Y. Automobile safety device. No. 1,086,846; Feb. 10; Gaz. vol. 199; p. 489.
 Otto, August, Jr., Sandwich, Ill. Draft appliance for farming implements. No. 1,091,587; Mar. 31; Gaz. vol. 200; p. 1161.
 Otto, August, Jr., Sandwich, Ill. Hay-loader. No. 1,099,311; June 9; Gaz. vol. 203; p. 365.
 Otto, Carl, Dresden, Germany. Process and high-pressure furnace for the direct production of iron and steel. No. 1,089,951; Mar. 10; Gaz. vol. 200; p. 487.
 Otto, Christopher A. H., New Orleans, La. Bread-receptacle. No. 1,086,206; Feb. 3; Gaz. vol. 199; p. 221.
 Otto, Louis H., Cedar Mills, Minn. Brake for phonographs. No. 1,106,237; Aug. 4; Gaz. vol. 205; p. 225.
 Otto, Werner, Berlin, Germany. High-tension oscillator. No. 1,103,822; July 14; Gaz. vol. 204; p. 603.
 Otto, William F., Wilkes-Barre, Pa. Glass gage for boilers. No. 1,121,656; Dec. 22; Gaz. vol. 209; p. 1079.
 Otwell, William B., Carlinville, Ill., assignor to Minnesota Linseed Oil Paint Company, Minneapolis, Minn. Tree-paint and preparing same. No. 1,111,758; Sept. 29; Gaz. vol. 206; p. 1181.
 Ouimette, Joseph, Southbridge, Mass. Eye-testing device. No. 1,084,561; Jan. 13; Gaz. vol. 198; p. 461.
 Oury, Joseph. (See Mioton, Sidney F., assignor.)
 Outerbridge, Alexander E., Jr., Philadelphia, Pa. Device for protecting the legs and feet of workmen from injury by molten metal, &c. No. 1,097,354; May 19; Gaz. vol. 202; p. 828.
 Outterson, James A., Carthage, N. Y. Cargo-discharging mechanism. No. 1,112,647; Oct. 6; Gaz. vol. 207; p. 85.
 Ovenden, Joseph F., South Croyden, assignor to Ingersoll-Rand Company, London, England. Variable-throttle valve. No. 1,099,719; June 9; Gaz. vol. 203; p. 507.
 Ovens, James N., New York, N. Y. Rake. No. 1,100,323; June 16; Gaz. vol. 203; p. 752.
 Overall, Sherman, Mount Vernon, Mo. Cultivator. No. 1,111,231; Sept. 22; Gaz. vol. 206; p. 963.
 Overbeck, Harry A. (See Schuler and Overbeck.)
 Overbeck, Otto G. C. L. J., Great Grimsby, England. De-alcoholizing liquids. No. 1,089,862; Mar. 10; Gaz. vol. 200; p. 455.
 Overbeck, William A., Salt Lake City, Utah. Book-marker. No. 1,083,853; Jan. 6; Gaz. vol. 198; p. 193.
 Overbeck, William A., Salt Lake City, Utah. Extension-index and folder. No. 1,083,854; Jan. 6; Gaz. vol. 198; p. 194.
 Overbeke, John, Cleveland, Ohio. Sprayer. No. 1,117,228; Nov. 17; Gaz. vol. 208; p. 693.
 Overbury, Frederick C., New York, N. Y., assignor to Flintkote Manufacturing Company, Rutherford, N. J. Laying waterproof roofing. No. 1,102,680; July 7; Gaz. vol. 204; p. 160.
 Overbury, Frederick C., New York, N. Y., assignor to Flintkote Manufacturing Company, Rutherford, N. J. Weatherproof covering. No. 1,104,998; July 28; Gaz. vol. 204; p. 1099.
 Overcash, John F., Pringhar, Iowa. Hammer. No. 1,103,918; July 14; Gaz. vol. 204; p. 636.
 Overfield, Arthur R., Buffalo, N. Y. Fruit-display cabinet. No. 1,111,088; Sept. 22; Gaz. vol. 206; p. 913.
 Overgaard, Christen, Copenhagen, Denmark. Manufacture of crank-shafts and the like. No. 1,100,842; June 23; Gaz. vol. 203; p. 982.
 Overholser, Irwin S., Oakes, N. D. Wrench. No. 1,117,229; Nov. 17; Gaz. vol. 208; p. 693.
 Overlach, Martin, deceased; M. Overlach, heiress, Charlottenburg, and M. Körner, assignors to T. Teichgraber, Berlin, and Saccharinfabrik Aktiengesellschaft vorm. Fahlberg, List & Co., Salbke-Westerhüsen, Germany. Cocain isovalerianate. No. 1,120,233; Dec. 8; Gaz. vol. 209; p. 497.
 Overlach, Meta, heiress. (See Overlach and Körner.)
 Overly, Charles F., Pittsburgh, Pa., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Strainer. No. 1,102,791; July 7; Gaz. vol. 204; p. 198.
 Overly, Charles F., Pittsburgh, Pa., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Rotary motor. No. 1,104,070; July 21; Gaz. vol. 204; p. 730.
 Overly, Charles F., Pittsburgh, Pa., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Rotary motor for driving tools. No. 1,104,071; July 21; Gaz. vol. 204; p. 731.
 Overly, Charles H., and O. A. Thompson, assignors of one-fourth to W. W. Curtin, Independence, and one-fourth to T. G. Laney, Erie, Kans. Portable pulling-machine. No. 1,110,003; Sept. 8; Gaz. vol. 206; p. 447.
 Overly, Charles H., and O. A. Thompson, assignors of one-fourth to W. W. Curtin, Independence, and one-fourth to T. G. Laney, Erie, Kans. Pulling-machine. No. 1,110,004; Sept. 8; Gaz. vol. 206; p. 447.
 Overman, Max C., New York, N. Y. Vehicle-tire. No. 1,092,078; Mar. 31; Gaz. vol. 200; p. 1329.
 Overmyer, Charles G., Hartford City, Ind. Fly-trap. No. 1,085,388; Jan. 27; Gaz. vol. 198; p. 810.
 Overmyer, Charles G., Hartford City, Ind. Reversible pot. No. 1,097,932; May 26; Gaz. vol. 202; p. 1074.
 Overmyer, Charles G., Hartford City, Ind. Jar-closure. No. 1,114,703; Oct. 20; Gaz. vol. 207; p. 884.
 Overpeck, Perley H., Rockville, Ind. Mail-catcher. No. 1,114,025; Oct. 20; Gaz. vol. 207; p. 644.
 Overpeck, Scott. (See Wehrle and Overpeck.)
 Oveson, Louis O., Osage City, Kans. Pole-coupling. No. 1,097,663; May 26; Gaz. vol. 202; p. 977.
 Ovington, Edward J., Los Angeles, Cal., assignor, by mesne assignments, to Simplex Electric Heating Company, Cambridge, Mass. Immersion-heater. No. 1,117,950; Nov. 17; Gaz. vol. 208; p. 945.
 Ovington, Edward J., Brookline, and J. E. Herlihy, assignors to Simplex Electric Heating Company, Cambridge, Mass. Electric connector. No. 1,119,864; Dec. 8; Gaz. vol. 209; p. 366.
 Owczarzak, Andrew. (See Brezinski, Joseph F., assignor.)
 Owen, Carrie E. (See McNutt, William H., assignor.)
 Owen, Charles S. (See Trefzer and Owen.)
 Owen, Clinton G., Honolulu, Hawaii. Album for bottle-caps. No. 1,115,860; Nov. 3; Gaz. vol. 208; p. 134.
 Owen, David T., assignor to D. T. Owen Company, Cleveland, Ohio. Combined folding bed and lounge. No. 1,121,128; Dec. 15; Gaz. vol. 209; p. 861.
 Owen, Harry L., York, Pa., assignor to General Electric Company. Preparing asbestos fiber for insulating purposes. No. 1,094,467; Apr. 28; Gaz. vol. 201; p. 930.
 Owen, Harry L., York, Pa., assignor to General Electric Company. Rotary asbestos-applier for wire-covering machines. No. 1,098,050; May 26; Gaz. vol. 202; p. 1115.
 Owen, Henry J., assignor of one-half to T. J. Conner, Prairie du Rocher, Ill. Tongue-support. No. 1,112,719; Oct. 6; Gaz. vol. 207; p. 109.
 Owen, Herbert S., Salt Lake City, Utah. Manufacture of products of concrete, cement, and the like. No. 1,087,974; Feb. 24; Gaz. vol. 199; p. 976.
 Owen, Herbert W., Dover, N. H. Shock-absorber. No. 1,116,474; Nov. 10; Gaz. vol. 208; p. 384.
 Owen, Herbert W., Dover, N. H. Spinning or winding machine. No. 1,119,310; Dec. 1; Gaz. vol. 209; p. 140.
 Owen, Herbert W., Dover, N. H. Spinning or winding machine. No. 1,119,530; Dec. 1; Gaz. vol. 209; p. 218.
 Owen, Herbert W., Dover, N. H., assignor to Draper Company, Hopedale, Mass. Bobbin-holder for spooling-machines. No. 1,116,347; Nov. 3; Gaz. vol. 208; p. 300.
 Owen, James W., Lansdowne, Pa., and A. Hewitt, Camden, N. J., assignors to Victor Talking Machine Company. Diaphragm. No. 1,118,675; Nov. 24; Gaz. vol. 208; p. 1240.
 Owen, John C. (See Schofield and Owen.)
 Owen, Lake E. (See Van Epp, Paul N., assignor.)
 Owen, Leo. (See Owen, Melville D. and L.)
 Owen, Lewis W., Bergholz, Ohio. Rail-joint. No. 1,117,514; Nov. 17; Gaz. vol. 208; p. 793.
 Owen, Melville D. and L., Vernon, Tex. Corn-heading knife. No. 1,091,757; Mar. 31; Gaz. vol. 200; p. 1220.
 Owen, Oscar L., assignor to The Whitin Machine Works, Whitinsville, Mass. Traveler-dispensing apparatus. No. 1,097,355; May 19; Gaz. vol. 202; p. 828.
 Owen, Oscar L., assignor to The Whitin Machine Works, Whitinsville, Mass. Safety device for carding-machines. No. 1,112,829; Oct. 6; Gaz. vol. 207; p. 146.
 Owen, Richard, Liverpool, England. Adjustable bracket for supporting shelves or the like. No. 1,089,863; Mar. 10; Gaz. vol. 200; p. 455.

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- Owen, William A., assignor to Grand Manufacturing Company, Johnson City, Tenn. Refrigerating apparatus. No. 1,088,615; Feb. 24; Gaz. vol. 199; p. 1190.
- Owen, William J., Collinwood, Ohio, assignor to P. H. Murphy, Pittsburgh, Pa. Car-roof. No. 1,093,201; Apr. 14; Gaz. vol. 201; p. 405.
- Owen, William V. (See Brooks and Owen.)
- Owens, Charles E., assignor of one-half to J. H. White, Graham, N. C. Temple. No. 1,103,074; July 14; Gaz. vol. 204; p. 343.
- Owens, Edward W., Wagner, S. D. Check-rower and automatic corn-planter. No. 1,090,167; Mar. 17; Gaz. vol. 200; p. 601.
- Owens, Edward W., Wagner, S. D. Three-row wheel corn-cultivator. No. 1,105,450; July 28; Gaz. vol. 204; p. 1259.
- Owens, Emanuel H., Moosic, Pa. Mine-car-door fastener. No. 1,114,510; Oct. 20; Gaz. vol. 207; p. 819.
- Owens, George W. (See Sommermeyer, Henry A., assignor.)
- Owens, George W., St. Louis, Mo. Packing-ring. No. 1,106,054; Aug. 4; Gaz. vol. 205; p. 164.
- Owens, John S., assignor to J. M. De Mendoza ver Mehr, London, England. Rotary mixing-machine. No. 1,093,723; Apr. 21; Gaz. vol. 201; p. 623.
- Owens, Joseph L., Kansas City, Mo. Intravenous-injection apparatus. No. 1,084,753; Jan. 20; Gaz. vol. 198; p. 556.
- Owens, Lee T., Tacoma, Wash. Brush-holder. No. 1,095,226; May 5; Gaz. vol. 202; p. 19.
- Owens, Michael J., assignor to The Toledo Glass Company, Toledo, Ohio. Leer and leer-charging mechanism. No. 1,117,433; Nov. 17; Gaz. vol. 208; p. 765.
- Owens, Robert B., Montreal, Quebec, Canada, assignor to General Electric Company. Acceleration-indicator. No. 1,096,942; May 19; Gaz. vol. 202; p. 682.
- Owens, Robert J., Minneapolis, Minn. Grain-separator. No. 1,095,592; May 5; Gaz. vol. 202; p. 143.
- Owens, Walter W., Kansas City, Mo. Collapsible support. No. 1,115,731; Nov. 3; Gaz. vol. 208; p. 90.
- Ownbey, Marion K., Shawnee, Okla. Rotary electric switch. No. 1,107,099; Aug. 11; Gaz. vol. 205; p. 569.
- Oxford, Charles E., and J. A. Upchurch, Buckner, Ark. Cultivator. No. 1,096,560; May 12; Gaz. vol. 202; p. 507.
- Oxnard, Henry E., Newton, Mass. Expansible chamber. No. 1,085,818; Feb. 3; Gaz. vol. 199; p. 85.
- Oxnard, Henry E., Newton, Mass. Expansible chamber. No. 1,119,984; Dec. 8; Gaz. vol. 209; p. 409.
- Oxweld Acetylene Company. (See Haedike and Braden, assignors.)
- Oxweld Acetylene Company. (See Winans, Milton E., assignor.)
- Oxygenated Stove and Heater Company. (See Montgomery, Gaston W., assignor.)
- Oyster, Earl F., East Cleveland, Ohio. Forging-press. No. 1,094,092; Apr. 21; Gaz. vol. 201; p. 744.
- Ozark Smelting and Mining Company. (See Stevens, William S., assignor.)
- Ozias, Albert N., deceased; D. L. Fairchild and R. V. Haxby, administrators, Minneapolis, Minn. Spring-balance scale. No. 1,092,449; Apr. 7; Gaz. vol. 201; p. 113.
- P. Becker & Company. (See Schnur, William V., assignor.)
- P. Lorillard Company. (See Fowler and McClea, assignors.)
- P. Lorillard Company. (See Williams, George M., assignor.)
- P. E. Erickson & Son. (See Erickson, Peter E., assignor.)
- P. G. Pickman & Bros. (See De Guzmán, Guillermo P., assignor.)
- P. H. Murphy Company. (See Hoffman, John J., assignor.)
- P. H. Murphy Company. (See Tatum, John J., assignor.)
- P. H. & F. M. Roots Company, The. (See Hicks and Enyart, assignors.)
- P. & M. Co., The. (See Moore, Philip W., assignor.)
- P. & M. Co., The. (See Mosher, Peter W., assignor.)
- P. & M. Co., The. (See Preston, Frederick A., assignor.)
- P. & M. Co., The. (See Preston and Moore, assignors.)
- P. R. Glass Company. (See Glass, Perley R., assignor.)
- P'Pool, Frank E., Snyder, Tex. Speculum. No. 1,110,818; Sept. 15; Gaz. vol. 206; p. 776.
- Paasche, Jens A., Chicago, Ill. Pneumatic paint-brush. No. 1,104,217; July 21; Gaz. vol. 204; p. 780.
- Pabst, Henry F., and H. Epstein, St. Louis, Mo. Shoe-repairing tool. No. 1,121,941; Dec. 22; Gaz. vol. 209; p. 1180.
- Pace, Alva B., Carrollton, Ga. Seed-planter. No. 1,113,242; Oct. 13; Gaz. vol. 207; p. 331.
- Pace, Bitts, Talladega, Ala. Swiveled-post check and foot-valve for deep-well pumps, &c. No. 1,121,198; Dec. 15; Gaz. vol. 209; p. 886.
- Pace, Clifford B., Jackson, Tenn. Combined door-bell and burglar-alarm. No. 1,096,855; May 19; Gaz. vol. 202; p. 651.
- Pace, Edgar J., assignor to National Street and Station Indicator Company, Los Angeles, Cal. Switch mechanism. No. 1,119,719; Dec. 1; Gaz. vol. 209; p. 281.
- Pacelli, John, New York, N. Y. Shoe-last. No. 1,111,317; Sept. 22; Gaz. vol. 206; p. 991.
- Pachaly, Robert W., assignor of one-half to T. H. Garland, Chicago, Ill. Electrical switch mechanism. No. 1,091,012; Mar. 24; Gaz. vol. 200; p. 923.
- Pacher, Franz, Dusseldorf-Rath, Germany. Manufacturing metal bodies. No. 1,092,663; Apr. 7; Gaz. vol. 201; p. 186.
- Pacific Automobile Life Saving Fender Manufacturing Company. (See Meattauer, Frank, assignor.)
- Pacific Burt Co. (See Johnston, Clarence L., assignor.)
- Pacific Burt Co. (See Johnston and Bluett, assignors.)
- Pacific Cement Pipe Company. (See Bullen, Clare H., assignor.)
- Pacific Electric Heating Company. (See Falkenberg, Bjarne, assignor.)
- Pacific Electric Heating Company. (See Vanden Berg, Peter H., assignor.)
- Pacific Kelp Co. (See Wilson, Harry, assignor.)
- Pacific Tank and Silo Company. (See Plue, William D., assignor.)
- Paciorkiewicz, Wladislaw, Charlottenburg, assignor to Allgemeine Handelsgesellschaft m. b. H. Bock & Co., Berlin - Charlottenburg, Germany. Coin - tester. No. 1,093,647; Apr. 21; Gaz. vol. 201; p. 595.
- Pack, Carl O. C., Highland Park, N. J. Roll. No. 1,104,270; July 21; Gaz. vol. 204; p. 797.
- Package Confectionery Company. (See Graves, Alfred E., assignor.)
- Package Machinery Company. (See Armstrong, Harry Y., assignor.)
- Package Machinery Company. (See Ferguson, Milford B., assignor.)
- Package Machinery Company. (See Giroud, Felipe, assignor.)
- Package Machinery Company. (See Kempf, Henry J., assignor.)
- Package Machinery Company. (See Merrell, Frederick H., assignor.)
- Package Machinery Company. (See Merrell and Blackburn, assignors.)
- Package Machinery Company. (See Redington and Mil-moe, assignors.)
- Packard, Charles T. (See Mills and Packard.)
- Packard Electric Company, The. (See Wolcott and Woodland, assignors.)
- Packard Electric Company. (See Woodland, William C., assignor.)
- Packard, James A., Milwaukee, Wis. Smoke-consumer. No. 1,091,013; Mar. 24; Gaz. vol. 200; p. 924.
- Packard Motor Car Company. (See Church, Harold D., assignor.)
- Packard Motor Car Company. (See Cooper, Erwin C., assignor.)
- Packard Motor Car Company. (See Cowles, Edward P., assignor.)
- Packard Motor Car Company. (See Gleason and Roberts, assignors.)
- Packard Motor Car Company. (See Hastings, Don T., assignor.)
- Packard Motor Car Company. (See Huff, Russell, assignor.)
- Packard Motor Car Company. (See Hunt, Ormond E., assignor.)
- Packard Motor Car Company. (See Link, Vincent, assignor.)
- Packard Motor Car Company. (See Loomis, Allen, assignor.)
- Packard Motor Car Company. (See Macauley, Alvan, assignor.)
- Packard Motor Car Company. (See McCain, George L., assignor.)
- Packard Motor Car Company. (See Roberts, Edward F., assignor.)
- Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
- Packard Motor Car Company. (See Waldon, Sidney D., assignor.)
- Packard, Raymond P., Tacoma, Wash. Alarm-clock attachment. No. 1,086,932; Feb. 10; Gaz. vol. 199; p. 517.
- Packer, Eben R., Wilmette, Ill. Roller clutch device. No. 1,087,315; Feb. 17; Gaz. vol. 199; p. 699.
- Packer, Eben R., Chicago, Ill. Reversible clutch device. No. 1,087,316; Feb. 17; Gaz. vol. 199; p. 700.
- Packer, Willard N., assignor to T. P. Lide, Los Angeles, Cal. Buffer for automobiles. No. 1,104,443; July 21; Gaz. vol. 204; p. 857.
- Packewitz, Joseph J., and S. Nudelman, New York, N. Y. Lathe-tool. No. 1,097,818; May 26; Gaz. vol. 202; p. 1033.
- Packham, Frank R., assignor to The American Seeding Machine Company, Springfield, Ohio. Disk furrow-opener. No. 1,089,072; Mar. 3; Gaz. vol. 200; p. 136.
- Packham, Frank R., assignor to The American Seeding Machine Company, Springfield, Ohio. Disk furrow-opener. No. 1,107,442; Aug. 18; Gaz. vol. 205; p. 742.
- Packham, Frank R., and W. L. Braley, assignors to The American Seeding Machine Company, Springfield, Ohio. Seeding-machine. No. 1,111,175; Sept. 22; Gaz. vol. 206; p. 944.

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- Paczigar, John, Beaver Falls, Pa. Razor-stropping device. No. 1,114,908; Oct. 27; Gaz. vol. 207; p. 1010.
- Paddock, Simon D., New York, N. Y. Reproducer for phonographs. No. 1,102,290; July 7; Gaz. vol. 204; p. 24.
- Paddock, Simon D., New York, N. Y. Sound-producing diaphragm. No. 1,102,291; July 7; Gaz. vol. 204; p. 25.
- Paddison, Alice E., Salt Lake City, Utah. Window-screen. No. 1,097,140; May 19; Gaz. vol. 202; p. 752.
- Paddock, Edwin E., Farmington, Wash. Water power or driven wheel. No. 1,086,611; Feb. 10; Gaz. vol. 199; p. 406.
- Paddock, Edwin E., Farmington, Wash. Display apparatus for merchandise. No. 1,116,616; Nov. 10; Gaz. vol. 208; p. 438.
- Paddock, Edwin E., Farmington, Wash. Grease-gun. No. 1,119,033; Dec. 1; Gaz. vol. 209; p. 48.
- Padgett, Daniel Z. (See Krieg and Padgett.)
- Padgett, Hugh H., and L. L. Bookout, Lindale, Tex. Knockdown frame. No. 1,103,823; July 14; Gaz. vol. 204; p. 603.
- Padgett, Powell D., Atlanta, Ga. Lug-strap holder. No. 1,084,473; Jan. 13; Gaz. vol. 198; p. 430.
- Padula, Charles M. (See Blount and Padula.)
- Paffrath, Theodor H., Butler, Pa., assignor to J. W. Carnahan, Washington, D. C., and A. P. Starr, Butler, Pa., trustees. Gas-producer. No. 1,105,688; Aug. 4; Gaz. vol. 205; p. 35.
- Page, Albert A., East Haven, Conn., assignor to Sargent & Company, New York, N. Y. Detent mechanism for door-closers and the like. No. 1,086,847; Feb. 10; Gaz. vol. 199; p. 489.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Auxiliary spring for latches. No. 1,089,435; Mar. 10; Gaz. vol. 200; p. 307.
- Page, Albert A., assignor to Sargent & Company, New Haven, Conn. Plane. No. 1,090,225; Mar. 17; Gaz. vol. 200; p. 622.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Rabbeted lock front and strike. No. 1,092,946; Apr. 14; Gaz. vol. 201; p. 317.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Emergency-bolt. No. 1,094,677; Apr. 28; Gaz. vol. 201; p. 1004.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Rabbet-plane. No. 1,100,770; June 23; Gaz. vol. 203; p. 957.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Padlock. No. 1,106,400; Aug. 11; Gaz. vol. 205; p. 325.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Saw-vise. No. 1,106,401; Aug. 11; Gaz. vol. 205; p. 325.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Flush bolt. No. 1,116,617; Nov. 10; Gaz. vol. 208; p. 438.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Screen-door check. No. 1,117,230; Nov. 17; Gaz. vol. 208; p. 694.
- Page, Albert A., East Haven, and H. H. Munson, assignors to Sargent & Company, New Haven, Conn. Lock. No. 1,095,124; Apr. 28; Gaz. vol. 201; p. 1158.
- Page, Clarence C., Grants Pass, assignor, by mesne assignments, to American Wrapping Machine Company, Portland, Oreg. Wrapping-machine. No. 1,116,618; Nov. 10; Gaz. vol. 208; p. 439.
- Page, Frank W., assignor of one-half to B. A. Risley, Wisdom, Mont. Arm rest or support. No. 1,103,824; July 14; Gaz. vol. 204; p. 604.
- Page, Hattie J., Grand Rapids, Mich. Pajamas. No. 1,093,724; Apr. 21; Gaz. vol. 201; p. 623.
- Page, Justin E., Kansas City, Mo. Auxiliary handle for lawn-mowers. No. 1,084,165; Jan. 13; Gaz. vol. 198; p. 331.
- Page, Luther T., Wareham, Mass. Shaping-rolls for horseshoe-bars. No. 1,086,933; Feb. 10; Gaz. vol. 199; p. 518.
- Page, Lyman C., Decoto, Cal. Attachment for telegraph apparatus. No. 1,093,725; Apr. 21; Gaz. vol. 201; p. 623.
- Page, Michael, Schuylkill Haven, Pa. Oiling device. No. 1,098,587; June 2; Gaz. vol. 203; p. 80.
- Page, Rescue B., Los Angeles, Cal. Folding bed. No. 1,087,679; Feb. 17; Gaz. vol. 199; p. 829.
- Page, Stanley H., and C. J. Belden, assignors to Union Gas Engine Company, San Francisco, Cal. Carbureter. No. 1,099,995; June 16; Gaz. vol. 203; p. 637.
- Page, Sydney E., London, England. Scoring device. No. 1,086,077; Feb. 3; Gaz. vol. 199; p. 179.
- Page, William M., Philadelphia, Pa. Making clad metals. No. 1,084,474; Jan. 13; Gaz. vol. 198; p. 431.
- Page Woven Wire Fence Company. (See Cornell, Evan W., assignor.)
- Page Woven Wire Fence Company. (See Snedeker, James W., assignor.)
- Pagel Rotary Pump Manufacturing Company. (See Pagel, Theodore J., assignor.)
- Pagel, Gustav, Charlottenburg, Germany, assignor to General Electric Company. Centrifugal air-pump. No. 1,089,665; Mar. 10; Gaz. vol. 200; p. 388.
- Pagel, Gustav, Berlin, Germany, assignor to General Electric Company. Turbine-driven auxiliaries. No. 1,093,145; Apr. 14; Gaz. vol. 201; p. 386.
- Pagel, Gustav, Berlin, Germany, assignor to General Electric Company. Compressing gases or vapors. No. 1,118,367; Nov. 24; Gaz. vol. 208; p. 1132.
- Pagel, Theodore J., assignor to Pagel Rotary Pump Manufacturing Company, Minneapolis, Minn. Rotary pump. No. 1,085,290; Jan. 27; Gaz. vol. 198; p. 776.
- Paget, Edmund W., Portland, and N. L. Raber, Corvallis, Oreg. Grizzly. No. 1,117,897; Nov. 17; Gaz. vol. 208; p. 927.
- Pagny, Henri H., assignor to Société Anonyme des Appareils d'Aviation Hanriot, Rheims, France. Aeroplane. No. 1,099,762; June 9; Gaz. vol. 203; p. 520.
- Pabler, Martin A., New York, N. Y. Signal-cord bushing. No. 1,106,964; Aug. 11; Gaz. vol. 205; p. 526.
- Paine, Arthur P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,099,465; June 9; Gaz. vol. 203; p. 419.
- Paine, Clifford E., assignor of one-fourth to L. Johns, Chicago, Ill. Bridge. No. 1,093,202; Apr. 14; Gaz. vol. 201; p. 406.
- Paine, Harry B., Patchogue, N. Y. Antislipping attachment for horseshoes. No. 1,086,207; Feb. 3; Gaz. vol. 199; p. 222.
- Paine, Robert, West Hoboken, N. J. Floatable foundation for buildings. No. 1,088,239; Feb. 24; Gaz. vol. 199; p. 1067.
- Paine, Tracy L., Milwaukee, Wis. Token-holder. No. 1,117,598; Nov. 17; Gaz. vol. 208; p. 821.
- Paine, William E., New York, N. Y. Traction-vehicle. No. 1,093,289; Apr. 14; Gaz. vol. 201; p. 436.
- Painter, William A., assignor of one-half to P. H. Bergin, Pittsburgh, Pa. Buffing or polishing wheel. No. 1,106,833; Aug. 11; Gaz. vol. 205; p. 480.
- Painting Machine Company. (See Leatherbee, Clifton F., assignor.)
- Paiste, Henry T., assignor to H. T. Paiste Company, Philadelphia, Pa. Fuse-capsule. No. 1,112,313; Sept. 29; Gaz. vol. 206; p. 1372.
- Pajeau, Charles H., Evanston, Ill. Mechanical-construction blocks. No. 1,092,591; Apr. 7; Gaz. vol. 201; p. 161.
- Pajeau, Charles H., Chicago, Ill. Toy construction-blocks. No. 1,113,371; Oct. 13; Gaz. vol. 207; p. 378.
- Palacio y Garcia, Alejandro M. de, and S. Rubio, Alfafar, Spain. Resilient wheel for road-vehicles. No. 1,083,892; Jan. 6; Gaz. vol. 198; p. 205.
- Paladino, Pasquale, et al. (See Bonali, Frank, assignor.)
- Paldani, George F., Waukegan, Ill. Cigar-lighter. No. 1,091,014; Mar. 24; Gaz. vol. 200; p. 925.
- Palen, Frederick P., and W. Burlingham, Newport News, Va. Water-tube boiler. No. 1,118,676; Nov. 24; Gaz. vol. 208; p. 1240.
- Palen, Matthew A., U. S. Army. Movable-target system. No. 1,087,507; Feb. 17; Gaz. vol. 199; p. 767.
- Pálesch, Frank, Cleveland, Ohio. Life-boat. No. 1,100,771; June 23; Gaz. vol. 203; p. 957.
- Palis, Alexander, Spandau, Germany. Motor-car protection device. No. 1,107,832; Aug. 18; Gaz. vol. 205; p. 879.
- Pallady, George H., Allerton, Iowa. Shock-conveyer. No. 1,090,337; Mar. 17; Gaz. vol. 200; p. 661.
- Pallady, George H., Allerton, Iowa. Corn-harvester. No. 1,096,744; May 12; Gaz. vol. 202; p. 569.
- Pallady, George H., Allerton, Iowa. Machine for harvesting broom-corn and the like. No. 1,116,107; Nov. 3; Gaz. vol. 208; p. 220.
- Palleson, Niels P. P. (See Videbak, Hans, assignor.)
- Palmenberg, Emil T., New York, N. Y. Garment-form. No. 1,098,965; June 2; Gaz. vol. 203; p. 206.
- Palmer, Arthur L., Chenango Forks, N. Y. Kitchen utensil. No. 1,100,489; June 16; Gaz. vol. 203; p. 809.
- Palmer, Charles, London, England, assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,085,819; Feb. 3; Gaz. vol. 199; p. 86.
- Palmer, Charles, Catford; R. Briden, London, England, receiver in lunacy of said Palmer, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,118,147; Nov. 24; Gaz. vol. 208; p. 1054.
- Palmer, Clarence W. N., Greencastle, Pa. Electric rat-trap. No. 1,112,228; Sept. 29; Gaz. vol. 206; p. 1343.
- Palmer, Clinton D., assignor to Sears, Roebuck and Co., Chicago, Ill. Paper-positioning device for type-writers. No. 1,108,612; Aug. 25; Gaz. vol. 205; p. 1198.
- Palmer, Clinton D., assignor to Sears, Roebuck and Co., Chicago, Ill. Apparatus for distributing papers. No. 1,119,531; Dec. 1; Gaz. vol. 209; p. 218.
- Palmer, Clyde C., Senath, assignor of one-half to O. C. Sparks, Kenneth, Mo. Cleaner's safety spotting-cup. No. 1,098,524; June 2; Gaz. vol. 203; p. 59.
- Palmer, David M., Los Angeles, Cal. Electric oscillator. No. 1,097,873; May 26; Gaz. vol. 202; p. 1052.
- Palmer Electric & Manufacturing Company, The. (See Palmer, Granville E., assignor.)
- Palmer, Enoch A., Aurora, Ill. Shearing-machine. No. 1,112,648; Oct. 6; Gaz. vol. 207; p. 85.
- Palmer, Eugene A., Belle Plaine, Iowa. Washing-machine. No. 1,097,664; May 26; Gaz. vol. 202; p. 978.

Alphabetical list of patentees—Continued.

- Palmer, Eugene A., Belle Plaine, Iowa. Resilient wheel. No. 1,120,156; Dec. 8; Gaz. vol. 209; p. 469.
- Palmer, Fenn H. (See Palmer, James R. and F. H.)
- Palmer, Fred J., *et al.* (See Anderson, Per G., assignor.)
- Palmer, George E. (See Sewall, Jacobus, and Palmer.)
- Palmer, Gilman L., Conneaut, Ohio. Metal sign-board. No. 1,104,921; July 28; Gaz. vol. 204; p. 1073.
- Palmer, Granville E., Brookline, assignor to The Palmer Electric & Manufacturing Company, Boston, Mass. Magnetic break-switch. No. 1,084,104; Jan. 13; Gaz. vol. 198; p. 310.
- Palmer, Gustavus L., Tacoma, Wash. Fish-slicer. No. 1,107,100; Aug. 11; Gaz. vol. 205; p. 570.
- Palmer, Harold N., Jackson, assignor of one-half to R. C. Enos, Grand Rapids, Mich. Tank-indicator. No. 1,106,106; Aug. 4; Gaz. vol. 205; p. 183.
- Palmer, Harry A., assignor to Foster, Merriam and Company, Meriden, Conn. Combined latch and lock. No. 1,083,506; Jan. 6; Gaz. vol. 198; p. 82.
- Palmer, Harry A., assignor to Foster, Merriam and Company, Meriden, Conn. Cabinet-catch. No. 1,085,291; Jan. 27; Gaz. vol. 198; p. 776.
- Palmer, Harry A., assignor to Foster, Merriam and Company, Meriden, Conn. Locking-latch. No. 1,085,292; Jan. 27; Gaz. vol. 198; p. 777.
- Palmer, Harry A., assignor to Foster, Merriam and Company, Meriden, Conn. Locking-latch. No. 1,086,208; Feb. 3; Gaz. vol. 199; p. 222.
- Palmer, Harry A., assignor to Foster, Merriam and Company, Meriden, Conn. Leg-mount for casters. No. 1,087,050; Feb. 10; Gaz. vol. 199; p. 555.
- Palmer, Harry A., assignor to Foster, Merriam and Company, Meriden, Conn. Self-adjusting caster. No. 1,094,744; Apr. 28; Gaz. vol. 201; p. 1029.
- Palmer, Harry B., assignor of one-half to W. L. Edison, Morristown, N. J. Toy gun. No. 1,086,727; Feb. 10; Gaz. vol. 199; p. 445.
- Palmer, Harry B., New York, N. Y., assignor to Milton Bradley Company, Springfield, Mass. Game apparatus. No. 1,093,577; Apr. 14; Gaz. vol. 201; p. 526.
- Palmer, Harry B., New York, N. Y., assignor to Milton Bradley Company, Springfield, Mass. Game apparatus. No. 1,098,680; June 2; Gaz. vol. 203; p. 110.
- Palmer, Harvey D. (See Baird and Palmer.)
- Palmer, Harvey D., and B. C. Sanderson, Topeka, Kans. Blowpipe. No. 1,106,965; Aug. 11; Gaz. vol. 205; p. 527.
- Palmer, Harvey M., administrator. (See Hopkins, Guy.)
- Palmer, Henry R., San Diego, Cal. Advertising device. No. 1,097,933; May 26; Gaz. vol. 202; p. 1074.
- Palmer, Herbert R., assignor of one-half to M. S. Hyman, Cleveland, Ohio. Plier-wrench. No. 1,086,078; Feb. 3; Gaz. vol. 199; p. 180.
- Palmer, Isaac E., Middletown, Conn. Keir for conditioning textile material. No. 1,094,922; Apr. 28; Gaz. vol. 201; p. 1089.
- Palmer, Isaac E., Middletown, Conn. Revisable commercial catalogue and envelop therefor. No. 1,094,923; Apr. 28; Gaz. vol. 201; p. 1090.
- Palmer, Isaac E., assignor to The I. E. Palmer Co., Middletown, Conn. Hammock or like support. No. 1,091,531; Mar. 31; Gaz. vol. 200; p. 1142.
- Palmer, Isaac E., assignor to The I. E. Palmer Co., Middletown, Conn. Couch-hammock. No. 1,094,921; Apr. 28; Gaz. vol. 201; p. 1089.
- Palmer, Isaac E., assignor to The I. E. Palmer Co., Middletown, Conn. Wind-shield or back-rest for couch-hammocks. No. 1,094,924; Apr. 28; Gaz. vol. 201; p. 1090.
- Palmer, Isaac E., assignor to The I. E. Palmer Co., Middletown, Conn. Couch-hammock. No. 1,094,925; Apr. 28; Gaz. vol. 201; p. 1090.
- Palmer, Isaac E., assignor to The I. E. Palmer Co., Middletown, Conn. Unitary screen. No. 1,094,926; Apr. 28; Gaz. vol. 201; p. 1091.
- Palmer, Isaac E., assignor to The I. E. Palmer Co., Middletown, Conn. Couch-hammock and convertible end and back-rest therefor. No. 1,096,450; May 12; Gaz. vol. 202; p. 471.
- Palmer, Isaac E., assignor to The I. E. Palmer Co., Middletown, Conn. Couch-hammock. No. 1,098,293; May 26; Gaz. vol. 202; p. 1200.
- Palmer, Isaac E., assignor to The I. E. Palmer Co., Middletown, Conn. Couch-hammock. No. 1,099,098; June 2; Gaz. vol. 203; p. 247.
- Palmer, Isaac E., assignor to The I. E. Palmer Company, Middletown, Conn. Awning for couch-hammocks. No. 1,100,608; June 16; Gaz. vol. 203; p. 847.
- Palmer, Isaac E., assignor to The I. E. Palmer Company, Middletown, Conn. Couch-hammock and back-support therefor. No. 1,103,906; July 14; Gaz. vol. 204; p. 632.
- Palmer, Isaac E., assignor to The I. E. Palmer Co., Middletown, Conn. Couch-hammock and back-rest therefor. No. 1,103,907; July 14; Gaz. vol. 204; p. 632.
- Palmer, Isaac E., assignor to The I. E. Palmer Company, Middletown, Conn. Combined back-rest and wind-shield for couch-hammocks. No. 1,103,908; July 14; Gaz. vol. 204; p. 633.
- Palmer, Isaac E., assignor to The I. E. Palmer Company, Middletown, Conn. Hammock and spreader therefor. No. 1,120,234; Dec. 8; Gaz. vol. 209; p. 497.
- Palmer, Isaac E., deceased, Middletown, Conn.; T. and N. T. Palmer, administrators. Textile-storage apparatus. No. 1,123,138; Dec. 29; Gaz. vol. 209; p. 1634.
- Palmer, Isaac E., deceased, Middletown, Conn.; T. and N. T. Palmer, administrators. Textile conditioning and storage apparatus. No. 1,123,139; Dec. 29; Gaz. vol. 209; p. 1635.
- Palmer, Isaac E., deceased, Middletown, Conn.; T. and N. T. Palmer, administrators. Textile conditioning and storage apparatus. No. 1,123,140; Dec. 29; Gaz. vol. 209; p. 1635.
- Palmer, James R. and F. H., San Bernardino, Cal. Self-centering hydraulic bearing for pump-shafts. No. 1,110,569; Sept. 15; Gaz. vol. 206; p. 688.
- Palmer, Joel C. R., Brooklyn, N. Y., and A. P. Pinkler, Weehawken, N. J., assignors to Western Electric Company, New York, N. Y. Loud-speaking transmitter. No. 1,117,231; Nov. 17; Gaz. vol. 208; p. 694.
- Palmer, John F., Riverside, Ill. Pneumatic tire. No. 1,083,293; Jan. 6; Gaz. vol. 198; p. 12.
- Palmer, John M., Chicago, Ill. Valve. No. 1,088,616; Feb. 24; Gaz. vol. 199; p. 1191.
- Palmer, Lettie, Owingsville, Ky. Seed stripper and harvester. No. 1,122,798; Dec. 29; Gaz. vol. 209; p. 1514.
- Palmer, Lew R., Pittsburgh, Pa. Safety-stop. No. 1,099,512; June 9; Gaz. vol. 203; p. 435.
- Palmer, Mabel H. (See Stiles, William E., assignor.)
- Palmer, Martin C., Des Moines, Iowa. Hanger for screens and sash. No. 1,091,758; Mar. 31; Gaz. vol. 200; p. 1221.
- Palmer, Martin J., and W. H. Burton, Beardstown, Ill. Carpet-beater. No. 1,112,314; Sept. 29; Gaz. vol. 206; p. 1373.
- Palmer, Nathalie T., *et al.*, administrators. (See Palmer, Isaac E.)
- Palmer, Seymour C., Paynesville, Minn. Antikicking device for cows. No. 1,100,194; June 16; Gaz. vol. 203; p. 707.
- Palmer, Stephen M., Tonica, Ill. Overshoe-retainer. No. 1,089,073; Mar. 3; Gaz. vol. 200; p. 136.
- Palmer, Sumner S., Oakland, Iowa. Animal-holding machine. No. 1,092,742; Apr. 7; Gaz. vol. 201; p. 212.
- Palmer, Theodore D., assignor to T. D. Palmer Company, Syracuse, N. Y. Garment-pressing machine. No. 1,105,530; July 28; Gaz. vol. 204; p. 1287.
- Palmer, Theodore D., assignor to T. D. Palmer Company, Syracuse, N. Y. Garment-pressing machine. No. 1,114,645; Oct. 20; Gaz. vol. 207; p. 864.
- Palmer, Theron R., Erie, Pa. Motor-cycle hand-grip. No. 1,096,264; May 12; Gaz. vol. 202; p. 408.
- Palmer, Thomas D., Philadelphia, Pa. Popcorn stirring and coating machine. No. 1,098,395; June 2; Gaz. vol. 203; p. 13.
- Palmer, Townsend, *et al.*, administrators. (See Palmer, Isaac E.)
- Palmer, William H., Yale, Mich. Garment-fastener. No. 1,117,697; Nov. 17; Gaz. vol. 208; p. 859.
- Palmer, William M., Taft, Cal. Wrench. No. 1,086,784; Feb. 10; Gaz. vol. 199; p. 467.
- Palmer, William M., assignor to William M. Palmer Manufacturing Company, Inc., New York, N. Y. Clothes-line reel. No. 1,111,489; Sept. 22; Gaz. vol. 206; p. 1050.
- Palmero, Raymond. (See Dragan, De George, and Palmero.)
- Palmetto Machine Company. (See Hallbauer, Albert L., assignor.)
- Palmowski, Joseph, Wilkes-Barre, Pa. Mouse or rat trap. No. 1,093,880; Apr. 21; Gaz. vol. 201; p. 673.
- Palmowsky, Stanislaus, New York, N. Y., assignor to The American Tobacco Company. Cigarette-tipping machine. No. 1,101,564; June 30; Gaz. vol. 203; p. 1283.
- Palumbos, Vincent, Rochester, N. Y. Tripod-head-locking device. No. 1,120,843; Dec. 15; Gaz. vol. 209; p. 759.
- Pamer, George, Dayton, Ohio. Motor-cycle. No. 1,107,990; Aug. 18; Gaz. vol. 205; p. 933.
- Pampe, Eleonore J. J., widow. (See Pampe, Franz.)
- Pampe, Franz, deceased, Halle-on-the-Saale, Germany; E. J. J. Pampe, widow, one-fourth to P. O. A. Pampe and three-eighths to O. A. R. Pampe. Apparatus for the elimination of fusel-oils during the distillation and rectification of alcohol. No. 1,116,322; Nov. 3; Gaz. vol. 208; p. 290.
- Pampe, Otto A. R., *et al.* (See Pampe, Franz.)
- Pampe, Phil-Bruno O. A., *et al.* (See Pampe, Franz.)
- Panabaker, John H., *et al.* (See Stamm, Charles H., assignor.)
- Panchromotion. (See Wohl and Mayer, assignors.)
- Panchula, Miklos, Dixonville, Pa. Life-boat. No. 1,094,008; Apr. 21; Gaz. vol. 201; p. 717.
- Panchula, Paul, Dixonville, Pa. Non-skidding device. No. 1,099,513; June 9; Gaz. vol. 203; p. 435.
- Panchula, Paul, Dixonville, Pa. Combined ironing-board and ladder. No. 1,101,709; June 30; Gaz. vol. 203; p. 1333.
- Pancoast, George E., Brooklyn, N. Y., assignor to American Lithographic Company. Printing mechanism. No. 1,106,472; Aug. 11; Gaz. vol. 205; p. 352.
- Pancoast, George E., Brooklyn, N. Y., assignor to American Lithographic Company. Embossing-press. No. 1,106,473; Aug. 11; Gaz. vol. 205; p. 353.

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- Pancoast, George E., Brooklyn, N. Y., assignor to American Lithographic Company. Sheet feeding and registering mechanism for printing-presses. No. 1,108,220; Aug. 25; Gaz. vol. 205; p. 1062.
- Pancoast, Richard M., Camden, N. J. Ventilator. No. 1,087,254; Feb. 17; Gaz. vol. 199; p. 680.
- Panian, Martin, Eveleth, Minn. Smoke and heat protector for firemen. No. 1,084,958; Jan. 20; Gaz. vol. 198; p. 625.
- Pankl, Alois, assignor to Kommanditgesellschaft Guido Rütgers, Vienna, Austria-Hungary. Machine for grooving railway-sleepers. No. 1,086,209; Feb. 3; Gaz. vol. 199; p. 222.
- Pannenko, Tadeusz. (See Pannenkowa, Irena, assignor.)
- Pannenkowa, Irena, assignor of one-half to T. Pannenko, Lemberg, Austria-Hungary. Device for teaching fractions. No. 1,098,330; May 26; Gaz. vol. 202; p. 1212.
- Pansegran, Erich. (See Seehase and Pansegran.)
- Pantaze, Charles D., Birmingham, Ala. Seed-separator. No. 1,118,221; Nov. 24; Gaz. vol. 208; p. 1080.
- Pantlind, Fred Z., et al. (See Annable, Warren W., assignor.)
- Panyard, Thomas A., assignor to Luther Grinder Manufacturing Co., Milwaukee, Wis. Friction drive mechanism. No. 1,103,999; July 21; Gaz. vol. 204; p. 704.
- Pap, Lajos, Arad, Austria-Hungary. Tooth-brush. No. 1,114,646; Oct. 20; Gaz. vol. 207; p. 864.
- Papadopoulos, Theodore C., Dayton, Ohio. Resilient tire. No. 1,106,238; Aug. 4; Gaz. vol. 205; p. 226.
- Papai, Coloman, and J. Petri, Elberta, Ala. Vehicle brake appliance. No. 1,106,834; Aug. 11; Gaz. vol. 205; p. 480.
- Papalexi, Nicolaus. (See Macku, Mandelstam, and Papalexi.)
- Pape, Charles F., Hyde Park, Pa., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,122,414; Dec. 29; Gaz. vol. 209; p. 1378.
- Pape, Wilhelm, Charlottenburg, Germany, assignor to General Electric Company. Steam-regulator for turbines. No. 1,085,156; Jan. 27; Gaz. vol. 198; p. 729.
- Pape, Wilhelm, Charlottenburg, Germany, assignor to General Electric Company. Mixed-pressure turbine. No. 1,085,157; Jan. 27; Gaz. vol. 198; p. 729.
- Pape, Wilhelm, Charlottenburg, Germany, assignor to General Electric Company. Nozzle for turbines. No. 1,085,293; Jan. 27; Gaz. vol. 198; p. 777.
- Pape, Wilhelm, Charlottenburg, Germany, assignor to General Electric Company. Elastic-fluid turbine. No. 1,092,947; Apr. 14; Gaz. vol. 201; p. 317.
- Pape, Wilhelm, Charlottenburg, Germany, assignor to General Electric Company. Regulator for mixed-pressure turbines. No. 1,092,948; Apr. 14; Gaz. vol. 201; p. 318.
- Papenbrok, Louis, Addison, Ill. Attachment for explosive-engines. No. 1,115,967; Nov. 3; Gaz. vol. 208; p. 171.
- Paper Working Machine Co. (See Raffel, Tobias E., assignor.)
- Papini, Pio, Florence, Italy. Indicator for illustrating and signaling the route of a vehicle. No. 1,112,086; Sept. 29; Gaz. vol. 206; p. 1293.
- Papon, Charles M., Philadelphia, assignor of one-half to E. Bleyer, Laverock, Pa. Pneumatic tire. No. 1,104,824; July 28; Gaz. vol. 204; p. 1039.
- Pappano, Oreste, and C. G. Allgrunn, Bethlehem, Pa. Steam-trap. No. 1,122,994; Dec. 29; Gaz. vol. 209; p. 1583.
- Paquette, Exilias, assignor to Lawrence Manufacturing Company, Lowell, Mass. Circular-knitting machine. No. 1,092,166; Apr. 7; Gaz. vol. 201; p. 14.
- Paquette, Herman A., assignor to Up-To-Date Manufacturing Co., Chicago, Ill. Convertible soldering-iron. No. 1,085,294; Jan. 27; Gaz. vol. 198; p. 777.
- Paquin, Charles C. (See Paquin, Elgin F. and C. C.)
- Paquin, Elgin F., Charlestown, N. H., and C. C. Paquin, Springfield, Vt. Heating-stove. No. 1,112,027; Sept. 29; Gaz. vol. 206; p. 1272.
- Paradis, Albert, Philadelphia, Pa., assignor to Samuel Sternberger Company. Shirt-cuff. No. 1,089,782; Mar. 10; Gaz. vol. 200; p. 427.
- Paradis, Frederik E., Buffalo, N. Y. Hose-coupling. No. 1,091,759; Mar. 31; Gaz. vol. 200; p. 1221.
- Paradise, Peter, Princeton, Cal. Hay gatherer and stacker. No. 1,094,093; Apr. 21; Gaz. vol. 201; p. 744.
- Paradowish, Joseph, Brockton, Mass. Trolley-pole head. No. 1,112,028; Sept. 29; Gaz. vol. 206; p. 1272.
- Paragon Metal Company. (See Schroder, Herman F., assignor.)
- Paramount Knitting Co. (See Pope and Randall, assignors.)
- Paramount Knitting Company. (See Butz, Walter D., assignor.)
- Paramount Knitting Company. (See Randall, Edison B., assignor.)
- Paramount Knitting Company. (See Rieck and Randall, assignors.)
- Paramount Knitting Company. (See Rogginger, John, assignor.)
- Paramount Metal Form Drying Company. (See Collis, George, assignor.)
- Pararo, William R., Benhaden, Fla. Rail-tie-spacing device. No. 1,122,150; Dec. 22; Gaz. vol. 209; p. 1251.
- Parcells, Charles S., Ovid, N. Y. Headlight mechanism. No. 1,091,532; Mar. 31; Gaz. vol. 200; p. 1143.
- Pardee, Edwin L., Marne, Iowa. Spark advancing and retarding mechanism. No. 1,089,256; Mar. 3; Gaz. vol. 200; p. 199.
- Pardee, John S. E., Philadelphia, Pa. Paving material. No. 1,090,084; Mar. 10; Gaz. vol. 200; p. 531.
- Pardey, Alfred O. (See Keene, George F., assignor.)
- Parent, Charles, Medford, Mass. Tension device and automatic take-up. No. 1,113,243; Oct. 13; Gaz. vol. 207; p. 332.
- Parent, Joseph J., Auburn, Me. Swing-canopy. No. 1,104,309; July 21; Gaz. vol. 204; p. 810.
- Parfitt, James H., Tigerton, Wis. Photographic-printing frame. No. 1,101,468; June 23; Gaz. vol. 203; p. 1198.
- Parfitt, Richard H., East Greenwich, England. Pattern-cylinders or the like for use in connection with the manufacture of inlaid linoleum or other similar material. No. 1,090,496; Mar. 17; Gaz. vol. 200; p. 718.
- Parham, William H., Knoxville, Tenn., assignor to Dalton Adding Machine Company, St. Louis, Mo. Paper-feeding mechanism. No. 1,083,294; Jan. 6; Gaz. vol. 198; p. 12.
- Paridon, Michael, Barberton, and J. H. Weaver, assignors to The Ohio Match Company, Wadsworth, Ohio. Machine for boxing matches. No. 1,086,210; Feb. 3; Gaz. vol. 199; p. 222.
- Paridon, Michael, Barberton, and J. H. Weaver, assignors to The Ohio Match Company, Wadsworth, Ohio. Machine for boxing matches. No. 1,086,332; Feb. 3; Gaz. vol. 199; p. 261.
- Paris, Cheaney L., and Fred C. Ferrell, Harrisburg, Ill. Traction attachment for automobiles. No. 1,108,221; Aug. 25; Gaz. vol. 205; p. 1062.
- Parisen, Robert T., Knoxville, assignor to Lawson Manufacturing Company, Homestead, Pa. Thermostatic valve. No. 1,102,070; June 30; Gaz. vol. 203; p. 1462.
- Parisen, Robert T., Knoxville, assignor to Lawson Manufacturing Company, Homestead, Pa. Stand-boiler. No. 1,104,381; July 21; Gaz. vol. 204; p. 837.
- Parisen, Robert T., Knoxville, assignor to Lawson Manufacturing Company, Homestead, Pa. Stand-boiler burner-chamber. No. 1,105,338; July 28; Gaz. vol. 204; p. 1219.
- Parisen, Robert T., Knoxville, assignor to Lawson Manufacturing Company, Homestead, Pa. Gas-burner. No. 1,116,912; Nov. 10; Gaz. vol. 208; p. 543.
- Parish, Harold F., assignor to Grinden Art Metal Company, Brooklyn, N. Y. Metallic structure, such as doors and the like. No. 1,086,934; Feb. 10; Gaz. vol. 199; p. 518.
- Parish, Le Grand. (See Chidley, Joseph, assignor.)
- Parish, Le Grand, New York, N. Y. Locomotive-fire-box construction. No. 1,089,666; Mar. 10; Gaz. vol. 200; p. 389.
- Parish, Le Grand, New York, N. Y. Locomotive-fire-box construction. No. 1,110,815; Sept. 15; Gaz. vol. 206; p. 775.
- Parish, Ralph R., assignor to Chase Rolling Mill Co., Waterbury, Conn. Maintaining the efficiency of brass-pickling solutions. No. 1,086,079; Feb. 3; Gaz. vol. 199; p. 180.
- Parish, Ralph R., assignor to Chase Rolling Mill Co., Waterbury, Conn. Extraction of zinc from zinc-bearing refuse. No. 1,104,922; July 28; Gaz. vol. 204; p. 1074.
- Parish, Ralph R., assignor to Chase Rolling Mill Co., Waterbury, Conn. Pickling brass. No. 1,106,107; Aug. 4; Gaz. vol. 205; p. 184.
- Parizek, Frank, Chicago, Ill. Hinge. No. 1,115,450; Oct. 27; Gaz. vol. 207; p. 1198.
- Park, Albert V., South Melbourne, J. N. Caught, and H. House, St. Kilda, Melbourne, Victoria, Australia; said Park and Caught assignors to said House. Shock-nullifying vehicle suspension. No. 1,089,257; Mar. 3; Gaz. vol. 200; p. 199.
- Park, George C., Anadarko, Okla. Silo-packer. No. 1,111,610; Sept. 22; Gaz. vol. 206; p. 1092.
- Park, Joseph W. (See Gladney, Walter D., assignor.)
- Park, Richard T., Albert Park, Melbourne, Victoria, Australia. Machine for extracting the juice and pulp from lemons and the like. No. 1,107,991; Aug. 18; Gaz. vol. 205; p. 933.
- Park, Richard T., South Melbourne, Victoria, assignor to R. T. P. Patent Wheels Proprietary Limited, Melbourne, Australia. Resilient wheel. No. 1,113,244; Oct. 13; Gaz. vol. 207; p. 332.
- Park, Thomas C., Jersey City, N. J. Infant's portable bathing appliance. No. 1,115,968; Nov. 3; Gaz. vol. 208; p. 171.
- Parke, Davis & Company. (See Heitman, Arnold H. C., assignor.)
- Parke, Davis & Company. (See Northey, Frederick O., assignor.)
- Parke Davis & Company. (See Wachter, Frederick, assignor.)
- Parke, Davis & Company. (See Whitaker and MacDonald, assignors.)
- Parke, Frederick S. (See Driscoll, Charles C., assignor.)

Alphabetical list of patentees—Continued.

- Parke, Peter, Chicago, Ill., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Center-sill construction. No. 1,115,861; Nov. 3; Gaz. vol. 208; p. 134.
- Parker, Arthur H. (See Sargent, Henry D., assignor.)
- Parker, Bedell, New York, N. Y. Pajamas. No. 1,117,232; Nov. 17; Gaz. vol. 208; p. 694.
- Parker Brothers. (See Healey, James A., assignor.)
- Parker Brothers Glass Manufacturing Company. (See Duffield, Thomas C., assignor.)
- Parker, Bruce E., Vanderbilt, Pa. Cooling-receptacle. No. 1,095,023; Apr. 28; Gaz. vol. 201; p. 1125.
- Parker, Charles W. (See Brundage, Seth W., assignor.)
- Parker, Charles W. (See Miller, Harvey L., assignor.)
- Parker, Charles W., Kansas City, Mo. Jack for automobiles. No. 1,107,833; Aug. 18; Gaz. vol. 205; p. 879.
- Parker, Clark H., Beaver Dam, Wis. Draft-pole. No. 1,100,609; June 16; Gaz. vol. 203; p. 847.
- Parker, Clark W., Springfield, Mass., assignor to L. W. Emerick, receiver, Fulton, N. Y. Transmission-gearing. No. 1,103,683; July 14; Gaz. vol. 204; p. 558.
- Parker, Clark W., assignor to Parker Transmission and Appliance Company, Springfield, Mass. Controlling-lever mechanism. No. 1,120,157; Dec. 8; Gaz. vol. 209; p. 469.
- Parker Clock Company, The. (See Wachtelhausen, Henry, assignor.)
- Parker Clock Company, The. (See Walker, Eli M., assignor.)
- Parker, Clyde F., Portland, Oreg. Self-acting and self-regulating brake mechanism. No. 1,111,089; Sept. 22; Gaz. vol. 206; p. 913.
- Parker, Daniel W., Everett, Wash. Stone-sawing machine. No. 1,095,415; May 5; Gaz. vol. 202; p. 82.
- Parker, Edward E., Woburn, Mass. Fitting for radiators. No. 1,092,385; Apr. 7; Gaz. vol. 201; p. 90.
- Parker, Edward K., Santa Barbara, Cal. Electric pneumatic-pressure control. No. 1,108,470; Aug. 25; Gaz. vol. 205; p. 1148.
- Parker, Edward M. (See Rawdon and Parker.)
- Parker, Edwin A., New York, N. Y. Printing-press. No. 1,087,975; Feb. 24; Gaz. vol. 199; p. 976.
- Parker, Edwy S., and T. W. Durant, Chicago, Ill.; said Durant assignor to said Parker. Starching-machine. No. 1,089,494; Mar. 10; Gaz. vol. 200; p. 329.
- Parker, Elmer B. (See Pollard, Charles P., assignor.)
- Parker, Emile V., assignor of one-fourth to W. F. Seemann and one-fourth to P. S. Bayer, Los Angeles, Cal. Crustacea hook and trap. No. 1,118,439; Nov. 24; Gaz. vol. 208; p. 1158.
- Parker, Francis W., Jr. (See Bucker, Merle, assignor.)
- Parker, Frank L., Anamosa, Iowa. Rerailing device. No. 1,117,081; Nov. 10; Gaz. vol. 208; p. 601.
- Parker, Frederic, Bedford, Mass. Window-shield. No. 1,108,613; Aug. 25; Gaz. vol. 205; p. 1199.
- Parker, Frederick R. (See Higgins, Peter K., assignor.)
- Parker, Frederick R., Chicago, Ill. Telephone system. No. 1,090,821; Mar. 17; Gaz. vol. 200; p. 825.
- Parker, Frederick R., Chicago, Ill. Switchboard-cord reel. No. 1,102,164; June 30; Gaz. vol. 203; p. 1493.
- Parker, Frederick R., Chicago, Ill. Telephone signaling system. No. 1,103,909; July 14; Gaz. vol. 204; p. 633.
- Parker, Frederick R., Chicago, Ill. Safety-valve. No. 1,106,108; Aug. 4; Gaz. vol. 205; p. 184.
- Parker, Frederick R., Chicago, Ill. Gas-cock. No. 1,121,282; Dec. 15; Gaz. vol. 209; p. 912.
- Parker, Frederick R., Chicago, Ill. Test-connector. No. 1,122,028; Dec. 22; Gaz. vol. 209; p. 1211.
- Parker, Frederick R., Buffalo, N. Y. Telephone system. No. 1,115,969; Nov. 3; Gaz. vol. 208; p. 172.
- Parker, Frederick R., and E. R. Corwin, Chicago, Ill.; said Corwin assignor to said Parker. Telephone system. No. 1,095,666; May 5; Gaz. vol. 202; p. 168.
- Parker, Genio S. (See Whiting and Parker.)
- Parker, Genio S., Hartford, Conn. Door-catch. No. 1,111,759; Sept. 29; Gaz. vol. 206; p. 1181.
- Parker, George D. (See Griffin, Walter C., assignor.)
- Parker, George D. (See McIntosh, Charles C., assignor.)
- Parker, George D., Riverside, Cal. Fruit-grading apparatus. No. 1,092,664; Apr. 7; Gaz. vol. 201; p. 186.
- Parker, George W., New York, N. Y., assignor to The Parker-Russell Mining & Manufacturing Company, St. Louis, Mo. Regulating combustion. No. 1,104,000; July 21; Gaz. vol. 204; p. 705.
- Parker, George W., Jr. (See Pfeiffer and Parker.)
- Parker, Henry C. (See Macdonald and Parker.)
- Parker, Henry E. (See Thornton and Parker.)
- Parker, Herbert L. (See Brett and Parker.)
- Parker, Howard. (See Sherman, John C., assignor.)
- Parker, Howard, assignor to The Improved Paper Machinery Company, Nashua, N. H. Roll. No. 1,100,090; June 16; Gaz. vol. 203; p. 671.
- Parker, Howard R., Athens, Tex. Fire-extinguisher. No. 1,122,415; Dec. 29; Gaz. vol. 209; p. 1379.
- Parker, Hubbard, Mount Vernon, Ala. Antifriction-bearing. No. 1,119,034; Dec. 1; Gaz. vol. 209; p. 49.
- Parker, Irvn H., Garden City, Mo. Resilient wheel. No. 1,118,306; Nov. 24; Gaz. vol. 208; p. 1108.
- Parker, James M., assignor of one-half to C. V. Schwall, New York, N. Y. Shade-bracket. No. 1,101,324; June 23; Gaz. vol. 203; p. 1150.
- Parker, James T., Birmingham, Ala. Auger-bit. No. 1,111,318; Sept. 22; Gaz. vol. 206; p. 991.
- Parker, John, Philadelphia, Pa. Spindle-mounting. No. 1,119,311; Dec. 1; Gaz. vol. 209; p. 141.
- Parker, John H., Haverhill, Mass. Receptacle. No. 1,090,563; Mar. 17; Gaz. vol. 200; p. 741.
- Parker, John L., Galgate, near Lancaster, England. Spring-wheel. No. 1,086,689; Feb. 10; Gaz. vol. 199; p. 433.
- Parker, John L., Galgate, Lancaster, England. Mowing-machine. No. 1,117,515; Nov. 17; Gaz. vol. 208; p. 794.
- Parker, Joseph F. (See Hess and Parker.)
- Parker, Joseph F. (See Lockling and Parker.)
- Parker, Morgan, Newport, R. I. Surgeon's knife. No. 1,100,394; June 16; Gaz. vol. 203; p. 777.
- Parker, Porter H., Carthage, Mo. Belt-cutter. No. 1,093,070; Apr. 14; Gaz. vol. 201; p. 359.
- Parker, Ralzemond D., Ann Arbor, Mich. Thermic balance or radiometer. No. 1,099,199; June 9; Gaz. vol. 203; p. 327.
- Parker, Robert L. (See Powers, Thomas H., assignor.)
- Parker, Russell, New York, N. Y. Liquid-pistol. No. 1,085,472; Jan. 27; Gaz. vol. 198; p. 836.
- Parker, Russell, New York, assignor to Parker, Stearns & Company, Brooklyn, N. Y. Belting and making the same. No. 1,099,763; June 9; Gaz. vol. 203; p. 520.
- Parker-Russell Mining & Manufacturing Company, The. (See Parker, George W., assignor.)
- Parker, Stanley, New Britain, Conn. Extensible fork. No. 1,121,657; Dec. 22; Gaz. vol. 209; p. 1080.
- Parker, Stearns & Company. (See Parker, Russell, assignor.)
- Parker Supply Company. (See Rosenberg, Heyman, assignor.)
- Parker, Thomas, Rapid City, Manitoba, Canada. Attachment to fanning-mills. No. 1,120,844; Dec. 15; Gaz. vol. 209; p. 760.
- Parker, Thomas H., Kew Gardens, England, assignor to H. Claudel, Levallois-Perret, near Paris, France. Car-bureter. No. 1,117,233; Nov. 17; Gaz. vol. 208; p. 695.
- Parker, Thomas L., Wibaux, Mont., assignor to H. S. Folger, Chicago, Ill. Hand-stamp. No. 1,083,336; Jan. 6; Gaz. vol. 198; p. 26.
- Parker, Thomas R. G. (See Pearce, Parker, and Wright.)
- Parker Transmission and Appliance Company. (See Parker, Clark W., assignor.)
- Parker, William E. (See Avery and Parker.)
- Parker, William E., Manning, Tex. Air-brake apparatus. No. 1,092,949; Apr. 14; Gaz. vol. 201; p. 318.
- Parker, William M., *et al.*, executors. (See Waitz, John W.)
- Parkes, Bertrand A., Barren Hill, assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Yarn-frame for dyeing apparatus. No. 1,087,070; Feb. 10; Gaz. vol. 199; p. 561.
- Parkes, Daniel. (See Haydock and Parkes.)
- Parkes Machine Company, The. (See Parkes, William N., assignor.)
- Parkes Machine Company, The. (See Parkes, William W., assignor.)
- Parkes, William N., Brooklyn, assignor to The Parkes Machine Company, New York, N. Y. Stitch-forming mechanism for sewing-machines. No. 1,119,865; Dec. 8; Gaz. vol. 209; p. 367.
- Parkes, William W., Brooklyn, assignor to The Parkes Machine Company, New York, N. Y. Automatic embroidery or ornamental-stitch sewing machine. No. 1,119,449; Dec. 1; Gaz. vol. 209; p. 189.
- Parkhurst, Arthur C., Waukegan, Ill. Tool-carrier. No. 1,094,009; Apr. 21; Gaz. vol. 201; p. 717.
- Parkhurst, Joseph H., Taloga, Okla. Automatic switch-throwing apparatus. No. 1,116,108; Nov. 3; Gaz. vol. 208; p. 220.
- Parkin, James. (See Field, William, assignor.)
- Parkin, James H., Nhill, Victoria, Australia. Pulverizing implement for the treatment of fallow and other land. No. 1,100,395; June 16; Gaz. vol. 203; p. 777.
- Parkin, Joseph W., Philadelphia, Pa. Carbureter. No. 1,120,845; Dec. 15; Gaz. vol. 209; p. 760.
- Parkin, Walter H. (See Larsen and Parkin.)
- Parkins, James L., Clearfield, Iowa. Automatic watering-trough. No. 1,086,785; Feb. 10; Gaz. vol. 199; p. 467.
- Parkinson, George W., and R. S. Tompkins, Beacon City, N. Y. Cutting attachment for sewing-machines. No. 1,103,825; July 14; Gaz. vol. 204; p. 604.
- Parkinson, James N., Stiles Junction, Wis. Lid-holder for vessels. No. 1,084,817; Jan. 20; Gaz. vol. 198; p. 578.
- Parkinson, John, Los Angeles, Cal. Illuminating speedometer-indicator. No. 1,116,619; Nov. 10; Gaz. vol. 208; p. 439.
- Parkinson, William J., assignor to Pritchard-Stamping Company, Rochester, N. Y. Guard for machinery. No. 1,084,897; Jan. 20; Gaz. vol. 198; p. 604.
- Parkman, Frank L. (See Smith and Parkman.)
- Parks, Charles S., Kent City, Mich. Holder for papers. No. 1,118,222; Nov. 24; Gaz. vol. 208; p. 1080.
- Parks, Charles W., Pomona, Cal. Triplex-cranking mechanism. No. 1,117,234; Nov. 17; Gaz. vol. 208; p. 695.
- Parks, Clinton M., West Manchester, Ohio. Manure-distributer. No. 1,085,936; Feb. 3; Gaz. vol. 199; p. 127.

Alphabetical list of patentees—Continued.

- Parks, Frank E., Pueblo, Colo. Furnace-port cooling system. No. 1,113,245; Oct. 13; Gaz. vol. 207; p. 333.
- Parks, Frederick R., Oswego, assignor to W. P. King, Syracuse, N. Y. Feeding-trough. No. 1,100,324; June 16; Gaz. vol. 203; p. 752.
- Parks, Frederick R., Oswego, assignor to W. P. King, Syracuse, N. Y. Automatic poultry-feeder. No. 1,104,701; July 21; Gaz. vol. 204; p. 947.
- Parks, Harry T., Cuyahoga Falls, Ohio. Combined rail chair and joint. No. 1,106,157; Aug. 4; Gaz. vol. 205; p. 200.
- Parks, Lake. (See Tyler, Behrends, and Parks.)
- Parks, Michael E., Watertown, N. Y., assignor of one-half to P. H. Luckett, El Paso, Tex. Fiber-separating machine. No. 1,095,921; May 5; Gaz. vol. 202; p. 253.
- Parks, Samuel R., Forest Park, Ga. Tongs. No. 1,119,532; Dec. 1; Gaz. vol. 209; p. 219.
- Parliament, Walter, Watertown, S. D. Wear-compensating means for knotting mechanisms. No. 1,104,999; July 28; Gaz. vol. 204; p. 1099.
- Parlin and Orendorff Company. (See Graham, William S., assignor.)
- Parlin & Orendorff Company. (See Sheahan, John F., assignor.)
- Parmelee, William F., *et al.* (See Farnum, William C., assignor.)
- Parmenter, George A., Cambridge, Mass. Car-fender. No. 1,096,745; May 12; Gaz. vol. 202; p. 569.
- Parmenter, George A., Cambridge, Mass. Life-guard for automobiles. No. 1,110,225; Sept. 8; Gaz. vol. 206; p. 526.
- Parmentier, George, Vienna, Austria-Hungary. Boot and shoe machine. No. 1,118,438; Nov. 24; Gaz. vol. 208; p. 1158.
- Parmeter, Asa E., Logansport, Ind. Reinforced-concrete tie. No. 1,096,746; May 12; Gaz. vol. 202; p. 570.
- Parmeter, Margaret A. W., assignor of one-half to F. Abbott, Denver, Colo. Sounding toy. No. 1,118,223; Nov. 24; Gaz. vol. 208; p. 1080.
- Parnacott, Alfred E., Penge, London, England. Cycle-car. No. 1,094,094; Apr. 21; Gaz. vol. 201; p. 745.
- Parnell, Walter H., Jr., Brooklyn, N. Y. Safety third rail for electric railways. No. 1,113,680; Oct. 13; Gaz. vol. 207; p. 484.
- Parnham, John H., New York, N. Y., and J. Hattemer, West New York, N. J., assignors to Hardman, Peck & Company, New York, N. Y. Accounting device. No. 1,102,950; July 7; Gaz. vol. 204; p. 251.
- Parnitzky, Paul, assignor of one-half to D. Celovsky, New York, N. Y. Air-supply apparatus for submarine vessels. No. 1,097,356; May 19; Gaz. vol. 202; p. 828.
- Parodi, Angelo, New York, N. Y. Telegraph-receiver. No. 1,096,747; May 12; Gaz. vol. 202; p. 570.
- Parpert, Herman H. (See Stockstrom and Parpert.)
- Parr, Albert, assignor of one-half to O. F. Windorf, Kenosha, Wis. Bar-mat. No. 1,112,649; Oct. 6; Gaz. vol. 207; p. 85.
- Parr, Elmer O., Glasford, Ill. Measuring instrument. No. 1,119,450; Dec. 1; Gaz. vol. 209; p. 189.
- Parr, Samuel W., Urbana, Ill. Calorimeter. No. 1,115,238; Oct. 27; Gaz. vol. 207; p. 1128.
- Parr, Samuel W., Urbana, Ill. Alloy. No. 1,115,239; Oct. 27; Gaz. vol. 207; p. 1129.
- Parriott, Raymond W., Moundsville, W. Va. Hay-press. No. 1,084,356; Jan. 13; Gaz. vol. 198; p. 394.
- Parris, Allen C., Dillsboro, N. C. Nut-lock. No. 1,122,995; Dec. 29; Gaz. vol. 209; p. 1584.
- Parrish, Aaron, Quitman, Ga. Plow-line holder. No. 1,118,224; Nov. 24; Gaz. vol. 208; p. 1080.
- Parrish, Asa L., South Bend, Ind. Paper-bag machine. No. 1,099,312; June 9; Gaz. vol. 203; p. 366.
- Parrish, Homer A., assignor of one-tenth to G. E. Dunbar, Kalamazoo, Mich. Relay. No. 1,120,846; Dec. 15; Gaz. vol. 209; p. 760.
- Parrish, Jacob O., Pomona, Cal. Combined vehicle-spring and shock-absorber. No. 1,120,235; Dec. 8; Gaz. vol. 209; p. 497.
- Parrish, James S., assignor to Richmond Cedar Works, Richmond, Va. Ice-cream freezer. No. 1,117,898; Nov. 17; Gaz. vol. 208; p. 927.
- Parrish, John E., Richmond, Va. Broadcasting mechanism. No. 1,107,992; Aug. 18; Gaz. vol. 205; p. 934.
- Parry, Joseph M., Westbury, Leominster, England. Combined hay gatherer and loader. No. 1,115,732; Nov. 3; Gaz. vol. 208; p. 91.
- Parry, Leonard, *et al.* (See Webster, William J., assignor.)
- Parry Manufacturing Company. (See Parry, Thomas H., assignor.)
- Parry, Peter, Evansville, Ind. Bottle-stopper. No. 1,095,922; May 5; Gaz. vol. 202; p. 253.
- Parry, Thomas H., *et al.* (See Webster, William J., assignor.)
- Parry, Thomas H., assignor to Parry Manufacturing Company, Indianapolis, Ind. Storm-vehicle-door lock. No. 1,103,075; July 14; Gaz. vol. 204; p. 344.
- Parry, Thomas J., Rensen, N. Y. Vehicle-shaft. No. 1,117,235; Nov. 17; Gaz. vol. 208; p. 695.
- Parry, Wilfred C., Marble, Colo. Metal railway-tie. No. 1,118,795; Nov. 24; Gaz. vol. 208; p. 1279.
- Parshall, Harry E., Wheeling, W. Va. Cooling, stirring, and dispensing vessel. No. 1,095,517; May 5; Gaz. vol. 202; p. 119.
- Parsons, Birney C. (See Russ, Harry O., assignor.)
- Parsons, Carl B., Detroit, Mich. Concealed hinge. No. 1,094,010; Apr. 21; Gaz. vol. 201; p. 717.
- Parsons, Carl B., Detroit, Mich. Concealed hinge. No. 1,114,026; Oct. 20; Gaz. vol. 207; p. 645.
- Parsons, Charles A., Newcastle-upon-Tyne, England. Bearing. No. 1,086,308; Feb. 3; Gaz. vol. 199; p. 253.
- Parsons, Charles A., Newcastle-upon-Tyne, England. Propeller. No. 1,107,101; Aug. 11; Gaz. vol. 205; p. 570.
- Parsons, Charles A., Newcastle-upon-Tyne, and S. S. Cook, Wallsend, England; said Cook assignor to said Parsons. Condensing apparatus. No. 1,102,071; June 30; Gaz. vol. 203; p. 1462.
- Parsons, Charles A., S. S. Cook, and E. B. Chapman; said Cook and Chapman assignors to said Parsons, Wallsend-upon-Tyne, England. Marine-turbine installation. No. 1,117,082; Nov. 10; Gaz. vol. 208; p. 602.
- Parsons, Charles L., *et al.* (See Ellis, Carleton, assignor.)
- Parsons, Charles L., Durham, N. H. Treating fullers' earth. No. 1,112,650; Oct. 6; Gaz. vol. 207; p. 86.
- Parsons, Clarence W., St. Louis, Mo. Means for holding cars on mine-cages. No. 1,118,510; Nov. 24; Gaz. vol. 208; p. 1182.
- Parsons, Clyde. (See Bailey and Parsons.)
- Parsons Engineering Company. (See Parsons, John H., assignor.)
- Parsons, Fred A. (See Goetz, Buxbaum, and Parsons.)
- Parsons, Frederick J. (See Seguin, Emilien, assignor.)
- Parsons, Frederick W., assignor to The Parsons & Parsons Company, Cleveland, Ohio. Collar for neckwear. No. 1,102,431; July 7; Gaz. vol. 204; p. 74.
- Parsons, Frederick W., assignor to The Parsons-Jackson Company, Cleveland, Ohio. Doll. No. 1,120,331; Dec. 8; Gaz. vol. 209; p. 531.
- Parsons, George C., Chicago, Ill. Leaf for filing systems. No. 1,084,357; Jan. 13; Gaz. vol. 198; p. 394.
- Parsons, Harold K., Southbridge, Mass. Eyeglasses. No. 1,119,035; Dec. 1; Gaz. vol. 209; p. 49.
- Parsons, Henry R., Sharpville, Pa. Valve-grinding tool. No. 1,091,954; Mar. 31; Gaz. vol. 200; p. 1290.
- Parsons, Henry R., Sharpville, Pa. Valve-grinding tool. No. 1,112,315; Sept. 29; Gaz. vol. 206; p. 1373.
- Parsons-Jackson Company, The. (See Parsons, Frederick W., assignor.)
- Parsons, James L., Jr. (See Corby and Parsons.)
- Parsons, John H., Philadelphia, Pa., assignor to Parsons Engineering Company, Wilmington, Del. Furnace. No. 1,092,851; Apr. 14; Gaz. vol. 201; p. 285.
- Parsons, John H., Philadelphia, Pa., assignor to Parsons Engineering Company, Wilmington, Del. Furnace and air-injecting nozzle therefor. No. 1,092,852; Apr. 14; Gaz. vol. 201; p. 286.
- Parsons, John H., Ridley Park, Pa., assignor to Parsons Engineering Company, Wilmington, Del. Furnace and air-injecting nozzle therefor. No. 1,092,853; Apr. 14; Gaz. vol. 201; p. 286.
- Parsons, John H., Ridley Park, Pa., assignor to Parsons Engineering Company, Wilmington, Del. Apparatus for feeding air to furnaces. No. 1,092,854; Apr. 14; Gaz. vol. 201; p. 287.
- Parsons & Parsons Company, The. (See Parsons, Frederick W., assignor.)
- Parsons, Percy R., London, and O. Silberrad, Buckhurst Hill, England. Alloy. No. 1,106,055; Aug. 4; Gaz. vol. 205; p. 164.
- Parsons, Ralph A., Denver, Colo. Combination nut-cracking device. No. 1,099,996; June 16; Gaz. vol. 203; p. 638.
- Parsons, Washington E., assignor to United Ice Improvement Company, New York, N. Y. Apparatus for making ice. No. 1,087,605; Feb. 17; Gaz. vol. 199; p. 801.
- Parsons, Washington E., assignor to United Ice Improvement Company, New York, N. Y. Apparatus for making ice. No. 1,117,698; Nov. 17; Gaz. vol. 208; p. 859.
- Parsons, Willard P., Flushing, N. Y. Manufacturing coal-gas and coke. No. 1,092,950; Apr. 14; Gaz. vol. 201; p. 318.
- Parsons, William S., Ladywell, assignor to J. Stone & Company Limited, Deptford, England. Apparatus for discharging ashes, clinkers, or other refuse. No. 1,102,351; July 7; Gaz. vol. 204; p. 45.
- Partington, Frederick G., Coeur d'Alene, Idaho. Sanitary animal drinking-fountain. No. 1,087,458; Feb. 17; Gaz. vol. 199; p. 751.
- Partington, Jack A., San Francisco, Cal. Device for attracting attention. No. 1,096,122; May 12; Gaz. vol. 202; p. 359.
- Partmann, Johan, assignor of one-half to J. Nagy, New York, N. Y. Lock for hand-bags. No. 1,113,821; Oct. 13; Gaz. vol. 207; p. 536.
- Partridge, Edward O., Chicago, Ill. Grinding-machine. No. 1,100,610; June 16; Gaz. vol. 203; p. 847.
- Partridge, William, Salem, Ohio. Guide for molding-flasks. No. 1,106,674; Aug. 11; Gaz. vol. 205; p. 425.
- Parvin, Charles H., Collingswood, N. J., and M. L. Snyder, Wyncote, Pa. Sanitary towel and soap service. No. 1,092,743; Apr. 7; Gaz. vol. 201; p. 213.

- Pascale, Orazio, New York, N. Y. Knockdown table, chair, and the like. No. 1,118,677; Nov. 24; Gaz. vol. 208; p. 1241.
- Paschall, Arthur L., Olaa, Hawaii. Ball-bearing axle. No. 1,105,451; July 28; Gaz. vol. 204; p. 1260.
- Paschall, Charles H., Chicago, Ill. Screen-opening. No. 1,094,927; Apr. 28; Gaz. vol. 201; p. 1091.
- Paschke, Herbert, assignor to Armstrong Cork Company, Pittsburgh, Pa. Making artificial cork. No. 1,105,098; July 28; Gaz. vol. 204; p. 1134.
- Pasco, Martin K. (See Davison and Pasco.)
- Pasierbski, Anton, Mikultschütz, Germany. Igniting device for miners' lamps. No. 1,091,891; Mar. 31; Gaz. vol. 200; p. 1268.
- Pass, Arthur, Letchworth, England. Tire-tool. No. 1,106,888; Aug. 11; Gaz. vol. 205; p. 499.
- Pass & Seymour. (See Crossley, James S., assignor.)
- Passage, William, Ashland, assignor of one-half to H. Church, Bailey, Mich. Molding-machine. No. 1,109,142; Sept. 1; Gaz. vol. 206; p. 100.
- Passaic Metal Ware Company. (See Karp, Morris, assignor.)
- Passburg, Emil, Berlin, Germany. Vacuum cooling and drying apparatus for granular materials. No. 1,098,363; May 26; Gaz. vol. 202; p. 1223.
- Passmore, Charles L., Clinton, Iowa, assignor to John L. Sommer Mfg. Co. Bill-file. No. 1,088,837; Mar. 3; Gaz. vol. 200; p. 57.
- Pastaleniec, Joe A., New Kensington, Pa. Combined step-ladder and ironing-board. No. 1,107,443; Aug. 18; Gaz. vol. 205; p. 742.
- Pastor, Andy. (See Jasus, Pastor, and Blasko.)
- Pastor, Frank, Akron, Ohio. Lantern-support. No. 1,120,740; Dec. 15; Gaz. vol. 209; p. 723.
- Pastor, Frank, Akron, Ohio. Automobile lamp-signal. No. 1,121,754; Dec. 22; Gaz. vol. 209; p. 1113.
- Pastor, Frank, assignor of one-half to F. Csema, Akron, Ohio. Rail-joint. No. 1,114,027; Oct. 20; Gaz. vol. 207; p. 645.
- Patch, Calvin B., Glenellyn, assignor to W. H. Miner, Chicago, Ill. Means for packing refrigerator-doors. No. 1,096,123; May 12; Gaz. vol. 202; p. 359.
- Patch, Even L., Johnstown, Pa. Making chilled rolls. No. 1,084,103; Jan. 13; Gaz. vol. 198; p. 311.
- Patch, Frederick H., Manchester, Va. Adhesive and making same. No. 1,113,681; Oct. 13; Gaz. vol. 207; p. 485.
- Patchell, Robert R., Cambridge, Mass. Piston-ring spreader. No. 1,117,083; Nov. 10; Gaz. vol. 208; p. 602.
- Pate, David B., Hornbeck, La. Rotary double-dasher churn. No. 1,086,612; Feb. 10; Gaz. vol. 199; p. 407.
- Pate, Henry D., Abbott, Tex. Horse-collar. No. 1,107,993; Aug. 18; Gaz. vol. 205; p. 934.
- Pate, Jeff P., Rocky Mount, N. C. Cultivator. No. 1,091,760; Mar. 31; Gaz. vol. 200; p. 1221.
- Pate, Lolley T., Jr., Norphlet, Ark. Hay-press. No. 1,106,580; Aug. 11; Gaz. vol. 205; p. 392.
- Patenall, Frank P. J., Baltimore, Md. Railway signaling. No. 1,117,899; Nov. 17; Gaz. vol. 208; p. 928.
- Patent Appliance Company, The. (See Core, William W., assignor.)
- Patent Appliance Company, The. (See Ogden, Fredric D., assignor.)
- Patent Broom Machinery Company. (See Beebe and Smith, assignors.)
- Patent Button Company, The. (See Porter, Thomas W., assignor.)
- Patent Button Company. (See White, Franklin R., assignor.)
- Patent Rapid Scaffold Tie Company Limited, The. (See Jones, Daniel P., assignor.)
- Patented Devices Company. (See Evans, Fred, assignor.)
- Patented Devices Company. (See Evans and Campbell, assignors.)
- Patented Devices Company. (See Hough, William B., assignor.)
- Patentiertes Schaumlöschverfahren Perfect Gesellschaft m. b. H. (See Bartels, Ernst, assignor.)
- Paterson, Edward A. (See Butterfield, John C., assignor.)
- Paterson, Edward A., Port Arthur, Ontario, Canada. Hydrous alkali-metal silicate and producing same. No. 1,111,918; Sept. 29; Gaz. vol. 206; p. 1239.
- Paterson, Edward A., Port Arthur, Ontario, Canada. Briquet composition and making briquets. No. 1,111,919; Sept. 29; Gaz. vol. 206; p. 1239.
- Paterson, Edward A., North Tonawanda, N. Y. Hydrous alkali-metal silicate and producing it. No. 1,119,720; Dec. 1; Gaz. vol. 209; p. 282.
- Paterson, Elizabeth C., Philadelphia, Pa. Foldable stair for sleeping-car berths. No. 1,083,939; Jan. 13; Gaz. vol. 198; p. 253.
- Paterson, James A., Widnes, England. Facing or milling machine. No. 1,089,258; Mar. 3; Gaz. vol. 200; p. 200.
- Patitz, Johann F. M., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Regulator. No. 1,095,667; May 5; Gaz. vol. 202; p. 169.
- Patitz, Johann F. M., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Gas-washer. No. 1,112,381; Sept. 29; Gaz. vol. 206; p. 1397.
- Patitz, Johann F. M., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Gas desiccation. No. 1,113,682; Oct. 13; Gaz. vol. 207; p. 485.
- Patnode, Carlos C., and A. Burnell, Schroon Lake, N. Y.; said Patnode assignor to said Burnell. Painting apparatus. No. 1,115,098; Oct. 27; Gaz. vol. 207; p. 1078.
- Patrick, Charles E., Springfield, Ohio. Planting-machine. No. 1,105,997; Aug. 4; Gaz. vol. 205; p. 144.
- Patrick, Charles A., Bellaire, Tex. Package-tie. No. 1,089,952; Mar. 10; Gaz. vol. 200; p. 487.
- Patrick, Jasper D., assignor of one-third to A. F. Whiting, Montgomery, Ala. Mechanism for automatically operating steam-injectors. No. 1,105,373; July 28; Gaz. vol. 204; p. 1234.
- Patrick, Joseph, Crabtree, Pa. Coupling. No. 1,093,467; Apr. 14; Gaz. vol. 201; p. 494.
- Patrick, Joshua, Detroit, Mich. Electrical measuring instrument. No. 1,118,678; Nov. 24; Gaz. vol. 208; p. 1241.
- Patrick, Roy E., Clayton, N. Y. High chair. No. 1,107,994; Aug. 18; Gaz. vol. 205; p. 935.
- Patrosio, William, assignor of one-half to F. Schimpfle, Elizabeth, N. J. Device in coring-tools for cutting cylinders. No. 1,115,010; Oct. 27; Gaz. vol. 207; p. 1046.
- Patten, Arnold J., Ellsworth, Me. Muffler. No. 1,089,259; Mar. 3; Gaz. vol. 200; p. 200.
- Patten, Franklin D., Portland, Oreg. Feed-water heater for boilers. No. 1,121,755; Dec. 22; Gaz. vol. 209; p. 1113.
- Patten, John, Baltimore, Md. Hardening and tempering. No. 1,112,087; Sept. 29; Gaz. vol. 206; p. 1293.
- Patten, John, Baltimore, assignor of one-half to S. M. Shoemaker, Eccleston, Md. Water purification. No. 1,121,393; Dec. 15; Gaz. vol. 209; p. 951.
- Patten, John, Baltimore, assignor of one-half to S. M. Shoemaker, Eccleston, Md. Apparatus for water purification. No. 1,121,394; Dec. 15; Gaz. vol. 209; p. 951.
- Patterson, Alice C. (See Patterson, George L., assignor.)
- Patterson-Allen Engineering Company. (See Patterson, Franklin M., assignor.)
- Patterson-Allen Engineering Company. (See Riegel, Samuel S., assignor.)
- Patterson, Benjamin G., assignor to The Patterson-Clark Company, Oklahoma, Okla. Engine-starter. No. 1,096,748; May 12; Gaz. vol. 202; p. 570.
- Patterson, Charles F., New York, N. Y. Sprinkler supervisory system. No. 1,090,497; Mar. 17; Gaz. vol. 200; p. 718.
- Patterson, Charles G. (See Rice and Patterson.)
- Patterson, Charles G., assignor, by mesne assignments, to The National Advertograph Company, Limited, Toronto, Ontario, Canada. Automatic label-printer. No. 1,085,295; Jan. 27; Gaz. vol. 198; p. 777.
- Patterson-Clark Company, The. (See Patterson, Benjamin G., assignor.)
- Patterson, Franklin M., et al. (See Haynes, George P., assignor.)
- Patterson, Franklin M., Bayonne, N. J. Screw-jack. No. 1,106,835; Aug. 11; Gaz. vol. 205; p. 481.
- Patterson, Franklin M., Philadelphia, Pa. Valve. No. 1,107,342; Aug. 18; Gaz. vol. 205; p. 705.
- Patterson, Franklin M., Philadelphia, Pa., assignor to Patterson-Allen Engineering Company. Valve. No. 1,099,200; June 9; Gaz. vol. 203; p. 327.
- Patterson, George A., Bangor, Me. Transfer apparatus. No. 1,102,072; June 30; Gaz. vol. 203; p. 1463.
- Patterson, George L., assignor to A. C. Patterson, New York, N. Y. Battery-holder. No. 1,120,077; Dec. 8; Gaz. vol. 209; p. 441.
- Patterson, Grant O., Callaway, Nebr. Attachment for cultivators. No. 1,118,225; Nov. 24; Gaz. vol. 208; p. 1081.
- Patterson, Harold D., Mount Vernon, N. Y. Translating device for railway signaling. No. 1,121,283; Dec. 15; Gaz. vol. 209; p. 913.
- Patterson, Jennette, Edmonton, Alberta, Canada. Traveling-wagon. No. 1,108,614; Aug. 25; Gaz. vol. 205; p. 1199.
- Patterson, Joseph C., Oklahoma, Okla. Puzzle. No. 1,085,994; Feb. 3; Gaz. vol. 199; p. 149.
- Patterson, Mathew, Buffalo, N. Y. Track-bridle. No. 1,098,966; June 2; Gaz. vol. 203; p. 207.
- Patterson, Peter, deceased, Pittsburgh, Pa.; Safe Deposit & Trust Co. of Pgh., executor. Apparatus for the manufacture of tubing. No. 1,114,799; Oct. 27; Gaz. vol. 207; p. 971.
- Patterson, Peter, deceased, Pittsburgh, Pa.; Safe Deposit & Trust Co. of Pgh., executor. Manufacture of lap-welded tubing. No. 1,114,800; Oct. 27; Gaz. vol. 207; p. 971.
- Patterson, Warren D., assignor, by mesne assignments, to L. T. Galloway, Rochester, N. Y. Making shoes. No. 1,115,099; Oct. 27; Gaz. vol. 207; p. 1078.
- Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Multiple projection apparatus. No. 1,111,090; Sept. 22; Gaz. vol. 206; p. 914.

Alphabetical list of patentees—Continued.

- Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. No. 1,115,011; Oct. 27; Gaz. vol. 207; p. 1047.
- Patterson, William R., Loretto, Ky. Automobile lamp mechanism. No. 1,094,242; Apr. 21; Gaz. vol. 201; p. 794.
- Pattison, Richard, New York, N. Y. Ice-tongs. No. 1,114,179; Oct. 20; Gaz. vol. 207; p. 701.
- Patton, Albert, McKeesport, Pa. Refining metals. No. 1,091,588; Mar. 31; Gaz. vol. 200; p. 1162.
- Patton, Alexander, Jeannette, Pa. Screen-door. No. 1,121,756; Dec. 22; Gaz. vol. 209; p. 1113.
- Patton, Alice E., *et al.* (See Baum, James B., assignor.)
- Patton, Alva A. (See Ernst and Patton.)
- Patton, David W., assignor of one-half to T. R. Fiorita, Moberly, Mo. Injector. No. 1,120,526; Dec. 8; Gaz. vol. 209; p. 600.
- Patton, John B. (See Engberg, Ephraim O., assignor.)
- Patton, John B. (See Tucker, Benjamin W., assignor.)
- Patton, Michiel H., Kester, W. Va. Fruit-gatherer. No. 1,088,170; Feb. 24; Gaz. vol. 199; p. 1044.
- Patton, Orlando, *et al.* (See Kliber, William C., assignor.)
- Patton, Ralph C., Providence, R. I. Lifting-jack. No. 1,102,792; July 7; Gaz. vol. 204; p. 199.
- Patty, Clarence R., Memphis, Tenn. Coupling. No. 1,098,294; May 26; Gaz. vol. 202; p. 1200.
- Patus, Alexander, and A. Csicsmann, South Bend, Ind. Mechanical swimming device. No. 1,100,195; June 16; Gaz. vol. 203; p. 707.
- Pau, Wilhelm, and P. Eberhardt, Grabow, assignors to Rütgerswerke - Aktiengesellschaft, Berlin, Germany. Working up the acid sludge and liquors produced as by-products during the washing of mineral oils. No. 1,092,386; Apr. 7; Gaz. vol. 201; p. 90.
- Paul, Adolf, Brooklyn, N. Y. Faucet. No. 1,088,088; Feb. 24; Gaz. vol. 199; p. 1016.
- Paul, Albert V., Lambhill, Glasgow, Scotland. Making-ready process. No. 1,111,611; Sept. 22; Gaz. vol. 206; p. 1093.
- Paul, Andrew G., Boston, Mass. Loop for transferring liquids. No. 1,097,594; May 19; Gaz. vol. 202; p. 908.
- Paul, Isidore. (See Welsh and Paul.)
- Paul, James W., Davis, W. Va. Portable signal apparatus for mines. No. 1,102,793; July 7; Gaz. vol. 204; p. 199.
- Paul, Peter, Boulder, Colo. Folding crate. No. 1,108,615; Aug. 25; Gaz. vol. 205; p. 1199.
- Paul, Richard, Enumclaw, Wash. Toy. No. 1,110,400; Sept. 15; Gaz. vol. 206; p. 629.
- Paul, Robert J., Gilman, Iowa. Husking implement. No. 1,105,339; July 28; Gaz. vol. 204; p. 1219.
- Paul, Robert J., Gilman, Iowa. Evener. No. 1,109,868; Sept. 8; Gaz. vol. 206; p. 398.
- Paul, William J., Everett, assignor to Couch and Paul Trolley Base Company, Boston, Mass. Trolley-base. No. 1,114,380; Oct. 20; Gaz. vol. 207; p. 771.
- Pauley, Edward E., Marion, Ind. Airship. No. 1,104,702; July 21; Gaz. vol. 204; p. 947.
- Pauli, Carl, Roselle Park, N. J., assignor to N. H. Steward, Philadelphia, Pa. Drill. No. 1,106,966; Aug. 11; Gaz. vol. 205; p. 527.
- Pauli, Carl, Roselle Park, assignor to H. B. Newhall, Sr., Plainfield, N. J. Percussion-tool. No. 1,119,866; Dec. 8; Gaz. vol. 209; p. 367.
- Pauli, George W., Boston, Mass. Hand-bag. No. 1,111,091; Sept. 22; Gaz. vol. 206; p. 914.
- Pauling, Martin W., Dover, Mo. Reversing-gear. No. 1,120,078; Dec. 8; Gaz. vol. 209; p. 441.
- Paul, Archibald W., assignor to Wheeling Stamping Company, Wheeling, W. Va. Lantern. No. 1,112,928; Oct. 6; Gaz. vol. 207; p. 180.
- Paul, Joseph F. (See Leiner, Joseph, assignor.)
- Paul, Samuel, New York, N. Y. Lining-fitting for ladies' garments. No. 1,099,930; June 16; Gaz. vol. 203; p. 615.
- Paul, Samuel, New York, N. Y. Garment-weight. No. 1,099,931; June 16; Gaz. vol. 203; p. 615.
- Pauls, Christian F., assignor of one-half to W. W. Scott, Chicago, Ill. Seasoning instrument. No. 1,083,940; Jan. 13; Gaz. vol. 198; p. 253.
- Paulsen, Carley H., New York, N. Y. Explosive-engine. No. 1,114,511; Oct. 20; Gaz. vol. 207; p. 820.
- Paulsen, Emil. (See Farstad and Paulsen.)
- Paulsmeier, Albert C., Alameda, assignor to Byron Jackson Iron Works, West Berkeley, Cal. Grease-cup. No. 1,101,952; June 30; Gaz. vol. 203; p. 1419.
- Paulsmeier, Albert C., Alameda, assignor to Byron Jackson Iron Works, West Berkeley, Cal. Bearing for centrifugal pumps. No. 1,102,604; July 7; Gaz. vol. 204; p. 135.
- Paulsmeier, Albert C., Alameda, assignor to Byron Jackson Iron Works, West Berkeley, Cal. Centrifugal-pump attachment. No. 1,111,319; Sept. 22; Gaz. vol. 206; p. 992.
- Paulson, Charles J., Brooklyn, assignor to A. J. Nothacker, New York, N. Y. Fulcrum-sleeve for fountain-pens. No. 1,097,357; May 19; Gaz. vol. 202; p. 829.
- Paulson, Charles J., assignor to A. J. Nothacker, New York, N. Y. Transmission mechanism. No. 1,104,444; July 21; Gaz. vol. 204; p. 857.
- Paulson, Erland, Knife River, N. D. Shock-carrier. No. 1,103,311; July 14; Gaz. vol. 204; p. 426.
- Paulson, Gustaf W., Belmont, and R. Paulson, Boston, Mass., assignors to Henry F. Miller & Sons Piano Company. Pneumatic player-action. No. 1,094,808; Apr. 28; Gaz. vol. 201; p. 1050.
- Paulson, Gustaf W., Belmont, and R. Paulson, Boston, Mass., assignors to Henry F. Miller & Sons Piano Company. Pneumatic player. No. 1,100,611; June 16; Gaz. vol. 203; p. 848.
- Paulson, Helmer R. (See Polson and Paulson.)
- Paulson, Robert L., Brooklyn, N. Y. Galley-stove. No. 1,090,226; Mar. 17; Gaz. vol. 200; p. 622.
- Paulson, Robert L., Brooklyn, N. Y. Galley-stove. No. 1,090,227; Mar. 17; Gaz. vol. 200; p. 622.
- Paulson, Robert L., Brooklyn, N. Y. Smoke-uptake. No. 1,108,222; Aug. 25; Gaz. vol. 205; p. 1062.
- Paulson, Rudolf. (See Paulson, Gustaf W. and R.)
- Paulson, Samuel, Brooklyn, N. Y. Door-spring winder and set. No. 1,112,471; Oct. 6; Gaz. vol. 207; p. 19.
- Paulson, W. B. (See Finn, Thomas, assignor.)
- Paulus, Charles F., Bethlehem, Pa. Non-freezing fire-plug. No. 1,105,040; July 28; Gaz. vol. 204; p. 1113.
- Paulus, Franz, Aachen, Germany. Screw-clamp. No. 1,089,953; Mar. 10; Gaz. vol. 200; p. 487.
- Paulus, William A., Ridgewood, N. J. Package-band-fastening device. No. 1,092,855; Apr. 14; Gaz. vol. 201; p. 287.
- Pauly, Karl A., Schenectady, N. Y., assignor to General Electric Company. Electric-motor drive. No. 1,089,783; Mar. 10; Gaz. vol. 200; p. 428.
- Pause, Herman, Ramona, Cal., assignor to H. T. P. James, Seattle, Wash. Handle for hand saws. No. 1,119,787; Dec. 1; Gaz. vol. 209; p. 303.
- Pause, Oscar T., Atlanta, Ga. Radiator-shield. No. 1,097,665; May 26; Gaz. vol. 202; p. 978.
- Pavelec, Frank G., St. Louis, Mo. Pipe-bowl reamer. No. 1,117,236; Nov. 17; Gaz. vol. 208; p. 696.
- Pavlik, Paul, New York, N. Y. Machine for making buttons. No. 1,101,144; June 23; Gaz. vol. 203; p. 1088.
- Pawling and Harnischfeger Company. (See Andersen, Nils P. E., assignor.)
- Pawloski, Philip J. (See Blatzer and Pawloski.)
- Pawsat, Ewald F., assignor to Wald Manufacturing Company, Sheboygan, Wis. Bicycle-stand. No. 1,093,352; Apr. 14; Gaz. vol. 201; p. 457.
- Pawsat, Ewald F., assignor to Wald Manufacturing Company, Sheboygan, Wis. Head for bicycle-stands. No. 1,114,028; Oct. 20; Gaz. vol. 207; p. 645.
- Pawsat, Ewald F., assignor to Wald Manufacturing Company, Sheboygan, Wis. Auxiliary foot-rest for motorcycles or the like. No. 1,118,679; Nov. 24; Gaz. vol. 208; p. 1241.
- Paxson, Elwood M. (See Davis and Paxson.)
- Paxton, Heyward A., De Land, Fla. Turpentine-dipping bucket. No. 1,113,822; Oct. 13; Gaz. vol. 207; p. 536.
- Paxton, William. (See Maphis, Charles O., assignor.)
- Payer, Jacob J., Adams, N. D. Bundle-carrying attachment for grain-harvesters. No. 1,090,338; Mar. 17; Gaz. vol. 200; p. 661.
- Payette, James I. (See Gregson and Payette.)
- Paymal, Joseph E., *et al.* (See Goetzinger, Charles P., assignor.)
- Payne, Charles, *et al.* (See Pontious, Oliver E., assignor.)
- Payne, David, W. (See Payne, Frederick R. and D. W.)
- Payne, Fred S., Boston, Mass., assignor, by mesne assignments, to Elevator Supply & Repair Company, Chicago, Ill. Electric signaling device for elevators. No. 1,108,782; Aug. 25; Gaz. vol. 205; p. 1254.
- Payne, Frederick R. and D. W., Elmira, N. Y. Automatic starting device for internal-combustion engines. No. 1,115,562; Nov. 3; Gaz. vol. 208; p. 32.
- Payne, George P., Liberty, N. C. Means for uncoupling mine-cars. No. 1,087,976; Feb. 24; Gaz. vol. 199; p. 977.
- Payne, Guy A., *et al.* (See Gage, Will V., assignor.)
- Payne, Halbert E., New York, N. Y. Type-writing machine. No. 1,121,284; Dec. 15; Gaz. vol. 209; p. 914.
- Payne, Herbert G. (See Adams, Wells, and Payne.)
- Payne, Hugh W., Rochester, N. Y. Recording mechanism. No. 1,090,749; Mar. 17; Gaz. vol. 200; p. 800.
- Payne, James H., Baltimore, Md. Agglomerating fine ores. No. 1,114,029; Oct. 20; Gaz. vol. 207; p. 645.
- Payne, James H., Baltimore, Md. Agglomerating fine ores. No. 1,114,030; Oct. 20; Gaz. vol. 207; p. 646.
- Payne, Jesse M., Sommerville, Ala., assignor to Perfection Dyeing Machine Co., Columbus, Ga. Dyeing-machine. No. 1,088,617; Feb. 24; Gaz. vol. 199; p. 1191.
- Payne, John W. (See Payne, Raymond P. and J. W.)
- Payne, Joseph, and J. E. Knapp, Belmont, Mass., assignors, by mesne assignments, to The Randall-Faichney Company. Signaling-horn for automobiles. No. 1,119,533; Dec. 1; Gaz. vol. 209; p. 219.
- Payne, Lawrence L., Greer, S. C. Cultivator. No. 1,087,395; Feb. 17; Gaz. vol. 199; p. 728.
- Payne, Lori M., Omaha, Nebr. Abdominal supporter. No. 1,110,226; Sept. 8; Gaz. vol. 206; p. 527.
- Payne, Raymond P., assignor to George Mann & Company, Limited, Leeds, England. Rotary lithographic machine. No. 1,113,137; Oct. 6; Gaz. vol. 207; p. 250.

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- Payne, Raymond P. and J. W., Leeds, England. Rotary lithographic-printing machine. No. 1,109,223; Aug. 25; Gaz. vol. 205; p. 1063.
- Payne, Samuel R., Oxford, Kans., assignor of one-fourth to W. Conard, Newkirk, Okla. Corn-harvester. No. 1,101,037; June 23; Gaz. vol. 203; p. 1052.
- Payne, Thomas F., Pittsburgh, Pa. Apparatus for operating flushing-valves. No. 1,087,255; Feb. 17; Gaz. vol. 199; p. 680.
- Payne, Thomas F., Pittsburgh, Pa. Water-closet. No. 1,116,323; Nov. 3; Gaz. vol. 208; p. 291.
- Payne, Thomas F., Pittsburgh, Pa. Flushing-valve. No. 1,117,237; Nov. 17; Gaz. vol. 208; p. 696.
- Payne, William, *et al.* (See Thomas, Martin E., assignor.)
- Payne, William J. (See Graham, George E., assignor.)
- Payne, William J., Candor, N. Y. Purse-mirror. No. 1,106,315; Aug. 4; Gaz. vol. 205; p. 252.
- Payne, William R., and W. T. Drummond, Scarbro, W. Va. Railway stay-rod. No. 1,111,612; Sept. 22; Gaz. vol. 206; p. 1093.
- Payson Manufacturing Company, The. (See O'Rourke, William F., assignor.)
- Payton, Lewis A., Ellendale, Okla. Wind-wheel. No. 1,093,881; Apr. 21; Gaz. vol. 201; p. 674.
- Payton, Richard, Moline, Ill., assignor to Deere & Company. Handhold for implements. No. 1,099,201; June 9; Gaz. vol. 203; p. 328.
- Peabody, Ernest H., and D. J. Irish, New York, N. Y., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Atomizer or spraying device. No. 1,102,352; July 7; Gaz. vol. 204; p. 45.
- Peabody, James C., assignor to The Republic Manufacturing Company, Boston, Mass. Insulating material and making the same. No. 1,083,755; Jan. 6; Gaz. vol. 198; p. 165.
- Peach, Charles E., Brooklyn, N. Y. Animal-trap. No. 1,090,750; Mar. 17; Gaz. vol. 200; p. 801.
- Peacock, Angus L., Denver, Colo. Mail-chute. No. 1,122,996; Dec. 29; Gaz. vol. 209; p. 1534.
- Peacock, Edward M. (See Conover and Peacock.)
- Peacock, Gordon M. (See Griffin and Peacock.)
- Peacock, Peter M., Columbus, Ohio. Flexible pipe connection. No. 1,105,689; Aug. 4; Gaz. vol. 205; p. 36.
- Peacock, Samuel, Chicago, Ill. Electric furnace. No. 1,090,107; Mar. 10; Gaz. vol. 200; p. 540.
- Peacock, Samuel, Chicago, Ill., assignor to E. I. du Pont de Nemours Powder Company. Producing titanium cyanonitrids. No. 1,088,359; Feb. 24; Gaz. vol. 199; p. 1107.
- Peacock, Samuel, Chicago, Ill., assignor to International Agricultural Corporation, New York, N. Y. Hydrating phosphorus pentoxid. No. 1,089,784; Mar. 10; Gaz. vol. 200; p. 428.
- Peacock, Samuel, Chicago, Ill., assignor to International Agricultural Corporation, New York, N. Y. Producing ammonia. No. 1,092,167; Apr. 7; Gaz. vol. 201; p. 15.
- Peake, Carl H., assignor of one-half to A. Groh, Detroit, Mich. Blowpipe. No. 1,096,943; May 19; Gaz. vol. 202; p. 683.
- Pearce, Edward N., *et al.* (See Kane, Peter W., assignor.)
- Pearce, Herbert, and J. E. Billington, Broadheath, assignors to Linotype and Machinery Limited, London, England. Composing mechanism of typographical machines. No. 1,105,000; July 28; Gaz. vol. 204; p. 1099.
- Pearce, Herbert, and J. E. Billington, Broadheath, assignors to Linotype and Machinery Limited, London, England. Composing mechanism of typographical machines. No. 1,105,157; July 28; Gaz. vol. 204; p. 1153.
- Pearce, Herbert, and J. E. Billington, Broadheath, assignors to Linotype and Machinery Limited, London, England. Typographical composing-machine. No. 1,116,620; Nov. 10; Gaz. vol. 208; p. 440.
- Pearce, Herbert, and J. E. Billington, Broadheath, assignors to Linotype and Machinery Limited, London, England. Typographical composing-machine. No. 1,116,621; Nov. 10; Gaz. vol. 208; p. 441.
- Pearce, Herbert, and J. E. Billington, Broadheath, England, assignors, by mesne assignments, to Mergenthaler Linotype Company. Typographical machine. No. 1,116,622; Nov. 10; Gaz. vol. 208; p. 441.
- Pearce, Herbert, and J. E. Billington, Broadheath, assignors to Linotype and Machinery Limited, London, England. The production of linotypes and apparatus therefor. No. 1,116,623; Nov. 10; Gaz. vol. 208; p. 442.
- Pearce, Herbert, and J. E. Billington, Broadheath, England, assignors, by mesne assignments, to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,116,624; Nov. 10; Gaz. vol. 208; p. 442.
- Pearce, Herbert, T. R. G. Parker, and F. W. Wright, Broadheath, assignors to Linotype and Machinery Limited, London, England. Delivery-board for printing and other machines. No. 1,088,360; Feb. 24; Gaz. vol. 199; p. 1108.
- Pearce, Herbert, T. R. G. Parker, and F. W. Wright, Broadheath, assignors to Linotype and Machinery Limited, London, England. Inking mechanism of presses printing from intaglio printing-surfaces. No. 1,101,325; June 23; Gaz. vol. 203; p. 1150.
- Pearce, Herbert, T. R. G. Parker, and F. W. Wright, Broadheath, assignors to Linotype and Machinery Limited, London, England. Ink-fountain for printing-presses. No. 1,105,690; Aug. 4; Gaz. vol. 205; p. 36.
- Pearce, Herbert, T. R. G. Parker, and F. W. Wright, Broadheath, assignors to Linotype and Machinery Limited, London, England. Trip mechanism of two-revolution printing-presses. No. 1,106,402; Aug. 11; Gaz. vol. 205; p. 325.
- Pearce, Herbert, T. R. G. Parker, and F. W. Wright, Broadheath, assignors to Linotype and Machinery Limited, London, England. Trip mechanism of two-revolution printing-presses. No. 1,106,403; Aug. 11; Gaz. vol. 205; p. 326.
- Pearce, Jacob M. (See Stansbury, Harry S., assignor.)
- Pearce, James E., Austin, Tex. Plow. No. 1,111,613; Sept. 22; Gaz. vol. 206; p. 1093.
- Pearce, John P., Albertville, Ala. Burglar-alarm. No. 1,112,088; Sept. 29; Gaz. vol. 206; p. 1294.
- Pearce, Leon L. (See Belding and Pearce.)
- Pearce, Phillip E., Cuthbert, Ga. Cotton-picker. No. 1,088,361; Feb. 24; Gaz. vol. 199; p. 1108.
- Pearl, Allen S. (See Young and Pearl.)
- Pearl Machine Company. (See Elliott, Harvey, assignor.)
- Pearsall, Albert W., Lowell, assignor to The Lamson Company, Boston, Mass. Controlling mechanism for pneumatic-despatch-tube apparatus. No. 1,097,559; May 19; Gaz. vol. 202; p. 896.
- Pearsall, Albert W., Lowell, Mass., assignor to Lamson Company, Newark, N. J. Pneumatic-despatch-tube apparatus. No. 1,102,165; June 30; Gaz. vol. 203; p. 1494.
- Pearsall, Albert W., Lowell, Mass., assignor to Lamson Company, Newark, N. J. Pneumatic-despatch-tube apparatus. No. 1,102,225; June 30; Gaz. vol. 203; p. 1517.
- Pearsall, Albert W., Lowell, Mass., assignor to Lamson Company, Newark, N. J. Pneumatic-despatch-tube apparatus. No. 1,107,547; Aug. 18; Gaz. vol. 205; p. 777.
- Pearsall, Albert W., Lowell, Mass., assignor to Lamson Company, Newark, N. J. Pneumatic-despatch-tube apparatus. No. 1,122,629; Dec. 29; Gaz. vol. 209; p. 1454.
- Pearsall, Gilbert H., *et al.*, trustees. (See McGill, Andrew M., assignor.)
- Pearsall Pneumatic Tube and Power Company, The. (See Batcheller, Birney C., assignor.)
- Pearse, Charles H., assignor of one-half to C. H. Williams, Beloit, Wis. Skirt-gage. No. 1,112,651; Oct. 6; Gaz. vol. 207; p. 86.
- Pearson, Charles O., New York, N. Y. Elevator. No. 1,114,180; Oct. 20; Gaz. vol. 207; p. 702.
- Pearson, Charles O., New York, and A. Sundh, Yonkers, assignors to Otis Elevator Company, New York, N. Y. Automatic elevator plant. No. 1,085,937; Feb. 3; Gaz. vol. 199; p. 127.
- Pearson & Co., Gesellschaft mit beschränkter Haftung. (See Wünsche, Helmuth H., assignor.)
- Pearson, George F., assignor of one-half to G. W. Morrison, Lowell, Mass. Scissors and shears. No. 1,093,726; Apr. 21; Gaz. vol. 201; p. 624.
- Pearson, Hugh W., New York, N. Y. Advertising device especially adapted for the exhibition of paints, calcimines, and similar manufactures. No. 1,111,320; Sept. 22; Gaz. vol. 206; p. 992.
- Pearson, Ida M., Allentown, assignor to R. D. Pearson, Bethlehem, Pa. Vehicle-wheel. No. 1,121,757; Dec. 22; Gaz. vol. 209; p. 1113.
- Pearson, James. (See Jones, Edwin C., assignor.)
- Pearson, James, Broadheath, assignor to Linotype and Machinery Limited, London, England. Typographical distributing mechanism. No. 1,105,691; Aug. 4; Gaz. vol. 205; p. 36.
- Pearson, James, Broadheath, assignor to Linotype and Machinery Limited, London, England. Typographical composing-machine. No. 1,105,692; Aug. 4; Gaz. vol. 205; p. 37.
- Pearson, James H., assignor of one-half to T. A. Henderson, Bloomfield, Ind. Fence-post. No. 1,103,536; July 14; Gaz. vol. 204; p. 501.
- Pearson, James R., assignor to The Acme Machine Tool Company, Cincinnati, Ohio. Belt-shifter. No. 1,104,218; July 21; Gaz. vol. 204; p. 780.
- Pearson, John, Chicago, Ill. Car-roof. No. 1,105,828; Aug. 4; Gaz. vol. 205; p. 85.
- Pearson, John B., Tazewell, Tenn. Window. No. 1,107,102; Aug. 11; Gaz. vol. 205; p. 570.
- Pearson, John B., Dublin, Ireland. Standard for wire fences or similar purposes. No. 1,122,997; Dec. 29; Gaz. vol. 209; p. 1534.
- Pearson, John H. (See Conner and Pearson.)
- Pearson, John P. A., San Francisco, Cal. Tire-fastening. No. 1,093,071; Apr. 14; Gaz. vol. 201; p. 359.
- Pearson, John P. A., San Francisco, Cal. Compound rail. No. 1,098,635; June 2; Gaz. vol. 203; p. 96.
- Pearson, Martin, Los Angeles, Cal. Rotatable float apparatus. No. 1,104,825; July 28; Gaz. vol. 204; p. 1040.

Alphabetical list of patentees—Continued.

- Pearson Miles E., Seattle, Wash., assignor to The Long Distance Telephone Equipment Co. Electrical sound-transmitter. No. 1,088,923; Mar. 3; Gaz. vol. 200; p. 85.
- Pearson, Miles E., and L. F. Lane, assignors to The Long Distance Telephone Equipment Co., Seattle, Wash. Variable-speed-transmitting device. No. 1,115,971; Nov. 3; Gaz. vol. 208; p. 172.
- Pearson, Otto, Mount Jewett, Pa. Sled. No. 1,117,434; Nov. 17; Gaz. vol. 208; p. 765.
- Pearson, Robert D. (See Pearson, Ida M., assignor.)
- Pearson, Thomas F., Billerica, Mass. Cash-register. No. 1,085,755; Feb. 3; Gaz. vol. 199; p. 63.
- Pearson, Thomas S., and T. M. Conner, Kokomo, assignors of one-third to J. B. Dougan, Richmond, Ind. Bale-tie. No. 1,085,938; Feb. 3; Gaz. vol. 199; p. 128.
- Pearson, Thomas S., and T. M. Conner, Kokomo, assignors of one-third to J. B. Dougan, Richmond, Ind. Baling-machine. No. 1,100,906; June 23; Gaz. vol. 203; p. 1005.
- Pearson, Walter B., Chicago, Ill., and E. R. Seward, Madison, Wis.; said Seward assignor to The Hartford Machine Screw Company, Hartford, Conn. Transmission mechanism. No. 1,084,818; Jan. 20; Gaz. vol. 198; p. 578.
- Pearson, Walter G., Newburyport, Mass. Graphophone-record cleaner. No. 1,102,073; June 30; Gaz. vol. 203; p. 1463.
- Pearson, Wilham E., London, England, and Hamburg, Germany. Apparatus for filling receptacles with liquid. No. 1,084,658; Jan. 20; Gaz. vol. 198; p. 521.
- Pease, Charles. (See Eaton and Pease.)
- Pease, Charles, Lynn, Mass., assignor to United-Xpedite Finishing Company, Berwick, Me. Machine for wax-treating parts of boots and shoes. No. 1,094,377; Apr. 21; Gaz. vol. 201; p. 836.
- Pease, Charles, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Splitting or skiving machine. No. 1,104,001; July 21; Gaz. vol. 204; p. 705.
- Pease, Charles F., assignor to The C. F. Pease Company, Chicago, Ill. Winding means. No. 1,102,353; July 7; Gaz. vol. 204; p. 46.
- Pease, Charles F., and C. A. Green, assignors to The C. F. Pease Company, Chicago, Ill. Liquid-applying apparatus. No. 1,085,820; Feb. 3; Gaz. vol. 199; p. 86.
- Pease, Durell O., Hampden, Mass. Thread-board for spinning-machines. No. 1,118,226; Nov. 24; Gaz. vol. 208; p. 1081.
- Pease, Franklin B., Rochester, N. Y. Feed mechanism for apple-paring machines. No. 1,085,628; Feb. 3; Gaz. vol. 199; p. 17.
- Pease, Franklin B. and J. W., Rochester, N. Y. Fruit-feeding machine. No. 1,109,541; Sept. 1; Gaz. vol. 206; p. 239.
- Pease, Harry C., assignor to Grand Rapids Textile Machinery Company, Grand Rapids, Mich. Spreader for tubular fabrics. No. 1,113,905; Oct. 13; Gaz. vol. 207; p. 564.
- Pease, Harry O., Wapello, Iowa. Glass-cutting tool. No. 1,115,333; Oct. 27; Gaz. vol. 207; p. 1159.
- Pease, John W. (See Pease, Franklin B. and J. W.)
- Pease, Lewis E., West Somerville, Mass. Fountain-syringe. No. 1,093,353; Apr. 14; Gaz. vol. 201; p. 457.
- Pease, Roger S., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Drawing glass. No. 1,119,867; Dec. 8; Gaz. vol. 209; p. 368.
- Peaslack, Fred E., Eureka, Cal. Attachment for dust-pans. No. 1,100,147; June 16; Gaz. vol. 203; p. 691.
- Peaslee, Hugh D., Fresno, Cal. Carbureter. No. 1,107,103; Aug. 11; Gaz. vol. 205; p. 570.
- Pech, Frank. (See Molyneux and Pech.)
- Peck, Caid H., Athens, Pa., assignor to Ingersoll Rand Company, Jersey City, N. J. Valve for percussive tools. No. 1,089,436; Mar. 10; Gaz. vol. 200; p. 307.
- Peck, Caid H., Athens, Pa., assignor to Ingersoll Rand Company, Jersey City, N. J. Drill-spindle-rotating mechanism for close-corner drills. No. 1,089,437; Mar. 10; Gaz. vol. 200; p. 308.
- Peck, Caid H., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Fluid-operated drill and handle therefor. No. 1,105,998; Aug. 4; Gaz. vol. 205; p. 144.
- Peck, Caid H., Waverly, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid-operated percussive tool. No. 1,122,630; Dec. 29; Gaz. vol. 209; p. 1455.
- Peck, Frederick G., assignor, by mesne assignments, to Buffalo Electric Vehicle Company, Buffalo, N. Y. Controlling mechanism for electrical vehicles. No. 1,097,358; May 19; Gaz. vol. 202; p. 829.
- Peck, Frederick S. (See Fisher, Emanuel, assignor.)
- Peck, Ira F., Auburn, R. I., assignor to The Veldop Company, Wilmington, Del. Insecticide. No. 1,119,036; Dec. 1; Gaz. vol. 209; p. 49.
- Peck, John A., Cleveland, Ohio. Package-edge protector. No. 1,100,772; June 23; Gaz. vol. 203; p. 958.
- Peck, John S., Manchester, England, assignor to Westinghouse Electric and Manufacturing Company. Control system for electric motors. No. 1,083,941; Jan. 13; Gaz. vol. 198; p. 253.
- Peck, John S., Manchester, England, assignor to Westinghouse Electric and Manufacturing Company. System of electrical distribution. No. 1,108,931; Sept. 1; Gaz. vol. 206; p. 25.
- Peck, Julius R. (See McDonald, John A., assignor.)
- Peck, Peter J., Chicago, Ill. Railway-tie. No. 1,087,819; Feb. 17; Gaz. vol. 199; p. 875.
- Peck, Philip J., Angelica, N. Y. Fly-paper holder. No. 1,084,475; Jan. 13; Gaz. vol. 198; p. 431.
- Peck, Raymond G., and S. J. Kocher, La Grange, Ind. Steel cross-tie. No. 1,110,960; Sept. 15; Gaz. vol. 206; p. 826.
- Peck, Samuel. (See Wakfer, William H., assignor.)
- Peck, Seward N., Chicago, Ill. Bag-rack for postal cars. No. 1,098,396; June 2; Gaz. vol. 203; p. 13.
- Peck, Walter H., assignor of one-half to L. B. Alford, Dallas, Tex. Disinfecting apparatus. No. 1,099,720; June 9; Gaz. vol. 203; p. 507.
- Peck-Williamson Heating & Ventilating Company, The. (See Holub, Charles J., assignor.)
- Peckenpau, John E., Franklin, Tex. Wire-clamp. No. 1,103,157; July 14; Gaz. vol. 204; p. 374.
- Pecorella, Albert, Buffalo, N. Y. Bottle-stopper. No. 1,097,187; May 19; Gaz. vol. 202; p. 768.
- Pecorella, Albert, Buffalo, N. Y. Toe-straightening device. No. 1,098,397; June 2; Gaz. vol. 203; p. 14.
- Pecue, William W., *et al.* (See Nelson, Henry F., assignor.)
- Peden, Rudolph, Harrison, Ark. Pencil holder and sharpener. No. 1,085,473; Jan. 27; Gaz. vol. 198; p. 837.
- Pederquist, Ernest, Newark, N. J., assignor to Meisselbach-Catucci Manufacturing Company. Feed-roller mechanism for pinion-rod cutting. No. 1,096,856; May 19; Gaz. vol. 202; p. 651.
- Pederquist, Ernest, Newark, N. J., assignor to Meisselbach-Catucci Manufacturing Company. Feed-roller mechanism. No. 1,096,857; May 19; Gaz. vol. 202; p. 652.
- Pedersen, Carl E., Christiania, Norway. Furnace. No. 1,102,292; July 7; Gaz. vol. 204; p. 25.
- Pedersen, Halvor, Jersey City, N. J. Saw-handle. No. 1,102,293; July 7; Gaz. vol. 204; p. 25.
- Pedersen, Harald. (See Borchers and Pedersen.)
- Pedersen, Johannes T., Flushing, N. Y. Sight-feed device. No. 1,096,561; May 12; Gaz. vol. 202; p. 508.
- Pedersen, Johannes T., New York, N. Y. Lubricating apparatus. No. 1,112,158; Sept. 29; Gaz. vol. 206; p. 1318.
- Pedersen, John D., Jackson, Wyo. Firearm. No. 1,087,680; Feb. 17; Gaz. vol. 199; p. 829.
- Pedersen, John D., Jackson, Wyo. Gun-operating cartridge. No. 1,097,988; May 26; Gaz. vol. 202; p. 1094.
- Pedersen, Niels, Genoa, Ill. Engine-starter. No. 1,120,236; Dec. 8; Gaz. vol. 209; p. 498.
- Pedersen, Niels, assignor to Cracraft, Leich Electric Company, Genoa, Ill. Desk-telephone. No. 1,097,359; May 19; Gaz. vol. 202; p. 829.
- Pedersen, Peder O., Copenhagen, Denmark. Transmitting apparatus for electric signaling. No. 1,091,159; Mar. 24; Gaz. vol. 200; p. 976.
- Pedersen, Peder O., Copenhagen, Denmark. Relay, microphone, or other sensitive-contact device. No. 1,122,799; Dec. 29; Gaz. vol. 209; p. 1515.
- Pederson, John M., assignor of one-fourth to N. H. Stadium, Glyndon, Minn. Hook and eye. No. 1,119,721; Dec. 1; Gaz. vol. 209; p. 282.
- Pedery, Joseph, assignor of one-fourth to A. E. Schoeller, Trenton, N. J. Automatic stop mechanism. No. 1,107,343; Aug. 18; Gaz. vol. 205; p. 706.
- Péducassee, Bernard, Lyon, France. Automatic car-fender and safety-brake. No. 1,103,826; July 14; Gaz. vol. 204; p. 605.
- Péducassee, Bernard, Lyon, France. Automatic fender. No. 1,107,995; Aug. 18; Gaz. vol. 205; p. 935.
- Peebles, George D., Medford, assignor to Standard Thermometer Company, Boston, Mass. Shaft-coupling for speedometers. No. 1,111,670; Sept. 22; Gaz. vol. 206; p. 1114.
- Peek, Clifford H., East Aurora, N. Y. Amusement device. No. 1,094,011; Apr. 21; Gaz. vol. 201; p. 717.
- Peel, Martin. (See Loosen, Jacob, assignor.)
- Peele Company, The. (See Brown, Walter E., assignor.)
- Peele Company, The. (See Wexler, Benjamin, assignor.)
- Peerless Belt Lacing Machine Company. (See Rahrer, Albert, assignor.)
- Peerless Check Protecting Company. (See Sampson, Charles H., assignor.)
- Peerless Ice Machine Co. (See Hansen and Anderson, assignors.)
- Peerless Motor Car Company, The. (See Schmidt, Charles, assignor.)
- Peerless Motor Car Company, The. (See Wadsworth, George R., assignor.)
- Peerless Silo Supply Co. (See Rasmussen, Andrew, assignor.)
- Peerless V Belt Company. (See Bohlman, Ernest A., assignor.)
- Peerless Vacuum Engine Company. (See Goldsborough, Charles F., assignor.)
- Peet Brothers Manufacturing Company. (See Sargent, William O., assignor.)

Alphabetical list of patentees—Continued.

- Peet, Charles E. (See Peet, Wilbur G. and C. E.)
 Peet, Wilbur G., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,089,785; Mar. 10; Gaz. vol. 200; p. 428.
 Peet, Wilbur G. and C. E., Bridgeport, assignors of one-fourth to J. F. Torrance, Derby, Conn. Flushing-valve. No. 1,115,100; Oct. 27; Gaz. vol. 207; p. 1079.
 Peets, Elbert, Cleveland, Ohio. Tree surgery. No. 1,100,396; June 16; Gaz. vol. 203; p. 777.
 Peets, Frank R., Merrill, N. Y. Sled. No. 1,119,112; Dec. 1; Gaz. vol. 209; p. 75.
 Peglow, George F., St. Paul, Minn. Electric sign. No. 1,117,435; Nov. 17; Gaz. vol. 208; p. 765.
 Pehrson, Adam H., Guldsmadshyttan, Sweden. Manufacture of bar and tube shaped articles from molten metal. No. 1,088,171; Feb. 24; Gaz. vol. 199; p. 1044.
 Pehrson, Elof, Lethbridge, Alberta, Canada. Door-operating mechanism. No. 1,087,820; Feb. 17; Gaz. vol. 199; p. 875.
 Peirce, Edward B., Lowell, Mass. Truck for one-rail tracks. No. 1,092,951; Apr. 14; Gaz. vol. 201; p. 319.
 Peirce, John R., New York, N. Y. Recording apparatus. No. 1,110,643; Sept. 15; Gaz. vol. 206; p. 715.
 Peirce, Robert T., Newport News, Va. Door or gate latch. No. 1,108,783; Aug. 25; Gaz. vol. 205; p. 1255.
 Peisch, Frederick W., Chicago, Ill. Bottle-cover. No. 1,103,827; July 14; Gaz. vol. 204; p. 605.
 Peiter, Frederick, assignor to The Gas Machinery Company, Cleveland, Ohio. Rupture-preventing structure. No. 1,099,932; June 16; Gaz. vol. 203; p. 616.
 Pejauo, Albur D., Cleveland, and J. J. Zeitz, Warren, assignors to The American Folding Machine Company, Cleveland, Ohio. Paper-folding machine. No. 1,099,884; June 9; Gaz. vol. 203; p. 562.
 Pekat, Charles, assignor to Continental Foundry and Machine Company, East Gary, Ind. Bench-vice. No. 1,106,056; Aug. 4; Gaz. vol. 205; p. 164.
 Pekkala, Alfred, Hibbing, Minn. Wrench. No. 1,107,996; Aug. 18; Gaz. vol. 205; p. 935.
 Pell, John L. E. (See Redington and Pell.)
 Pelletier, Frank D., Kansas City, Mo. Clothes-rack. No. 1,101,090; June 23; Gaz. vol. 203; p. 1070.
 Pelletier, Louis F., assignor of one-third to E. H. Fickinger and one-third to E. F. Ciglia, New York, N. Y. Muffler for gas-engines. No. 1,084,290; Jan. 13; Gaz. vol. 198; p. 372.
 Pellissier, George E., Jersey City, N. J., assignor to L. D. Pellissier, Holyoke, Mass. Rail-joint. No. 1,099,202; June 9; Gaz. vol. 203; p. 328.
 Pellissier, Louis D. (See Pellissier, George E., assignor.)
 Pellow, Arthur, and L. G. Simpson, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Work-support for lens-cutting machines. No. 1,119,111; Dec. 1; Gaz. vol. 209; p. 75.
 Peloubet, William S. (See Hunt and Peloubet.)
 Pels-Leusden, Friedrich, Berlin, Germany. Eyeglasses. No. 1,083,699; Jan. 6; Gaz. vol. 198; p. 146.
 Pels-Leusden, Friedrich, Berlin, Germany. Eyeglasses. No. 1,083,700; Jan. 6; Gaz. vol. 198; p. 146.
 Pels-Leusden, Friedrich, Berlin, Germany. Bridge-connecting clip for rimless eyeglasses. No. 1,096,858; May 19; Gaz. vol. 202; p. 652.
 Pels-Leusden, Friedrich, Berlin, Germany. Rigid-bridge eyeglasses. No. 1,098,918; June 2; Gaz. vol. 203; p. 191.
 Pels-Leusden, Friedrich, Berlin, Germany. Rigid-bridge eyeglasses. No. 1,112,830; Oct. 6; Gaz. vol. 207; p. 147.
 Pelstring, Anthony, Mount Carmel, assignor to C. J. Kraft, Philadelphia, Pa. Fountain-comb. No. 1,119,868; Dec. 8; Gaz. vol. 209; p. 368.
 Pelter, Charles, T. H. Spry, and C. F. Busse, Walla Walla, Wash. Automobile-fender. No. 1,089,006; Mar. 3; Gaz. vol. 200; p. 114.
 Pelton, Charles H., assignor to The Thomas Manufacturing Company, Springfield, Ohio. Seed-drill. No. 1,107,344; Aug. 18; Gaz. vol. 205; p. 707.
 Pelton, Clyde S., Akron, Ohio. Combined foot-rest and heater. No. 1,102,432; July 7; Gaz. vol. 204; p. 44.
 Pelton, Edward W. (See Rowe, Frederick A., assignor.)
 Pelton, Ernest, and S. D. Hopton, Geneva, Ohio. Feed-water heater for steam-boilers. No. 1,092,592; Apr. 7; Gaz. vol. 201; p. 162.
 Pelton, George E., Georgetown, Ky. Type-writer ribbon. No. 1,092,856; Apr. 14; Gaz. vol. 201; p. 287.
 Pelton, George M., assignor to The Filer & Stowell Company, Milwaukee, Wis. Resawing-machine. No. 1,109,012; Sept. 1; Gaz. vol. 206; p. 55.
 Pelton, George M., assignor to The Filer & Stowell Company, Milwaukee, Wis. Wood-chipping machine. No. 1,114,031; Oct. 20; Gaz. vol. 207; p. 646.
 Pelton, Louis and S., and F. E. Fleury, Chicago, Ill. Bathing-suit. No. 1,093,354; Apr. 14; Gaz. vol. 201; p. 457.
 Pelton, Myron S., Folsom, Cal. Photograph-washing machine. No. 1,114,909; Oct. 27; Gaz. vol. 207; p. 1010.
 Pelton, Sarah. (See Pelton and Fleury.)
 Pelton Water Wheel Company. (See Doble, William A., assignor.)
 Pelton Water Wheel Company, The. (See McAulay, Chester B., assignor.)
 Pelton, William W., Chicago, Ill. Garment for bathing. No. 1,084,106; Jan. 13; Gaz. vol. 198; p. 311.
 Peltovitz, Edmund, East Orange, N. J. Tone-arm for talking-machines. No. 1,094,166; Apr. 21; Gaz. vol. 201; p. 770.
 Peltz, William L. L., Selkirk, N. Y. Cushioned suspension for vehicles. No. 1,084,819; Jan. 20; Gaz. vol. 198; p. 579.
 Pembee Company, The. (See Burby, John M., assignor.)
 Pemberton, Edward L., New Haven, Conn. Adjustable crusher-head. No. 1,089,954; Mar. 10; Gaz. vol. 200; p. 487.
 Pemberton, Edward L., New Haven, Conn., assignor to Edgar Allen American Manganese Steel Company, Augusta, Me. Stirrup for door-latches of excavating dip-pers. No. 1,096,451; May 12; Gaz. vol. 202; p. 471.
 Pemberton, George F. and J. W., Lincoln, assignors of forty-nine one-hundredths to A. W. Ray and W. H. de Guerre, San Francisco, Cal. Automatic gate control for elevators. No. 1,088,172; Feb. 24; Gaz. vol. 199; p. 1044.
 Pemberton, John W. (See Pemberton, George F. and J. W.)
 Pembroke, Charles J., Rochester, N. Y. Valve mechanism. No. 1,102,605; July 7; Gaz. vol. 204; p. 135.
 Penberthy Injector Co. (See McClymont, Bryce W., assignor.)
 Penberthy Injector Co. (See O'Leary, Frank J., assignor.)
 Penberthy Injector Company. (See Pribil, Alexis R., assignor.)
 Pender, James. (See Pender, John F., assignor.)
 Pender, John F., assignor of one-half to J. Pender, St. John, New Brunswick, Canada. Compensating bearing. No. 1,093,290; Apr. 14; Gaz. vol. 201; p. 436.
 Pendergast, Frederick W., Cambridge, Mass. Mop. No. 1,099,858; June 9; Gaz. vol. 203; p. 553.
 Pendleton, Harry, Columbus, Ohio. Lifting-jack. No. 1,118,949; Dec. 1; Gaz. vol. 209; p. 15.
 Pendleton Iron Works. (See Akers, Maurice L., assignor.)
 Pendleton, Louis B., St. Louis, Mo. Check-book. No. 1,118,042; Nov. 24; Gaz. vol. 208; p. 1018.
 Pendleton, Oder C., Okmulgee, Okla. Steam hat-blocking machine. No. 1,102,542; July 7; Gaz. vol. 204; p. 112.
 Pendzialek, Caroline, (née Frank), Altwaltersdorf, Germany. Shoe-tack. No. 1,083,855; Jan. 6; Gaz. vol. 198; p. 194.
 Penedo, Daniel A., Bisbee, Ariz. Table-equilibrizer. No. 1,095,668; May 5; Gaz. vol. 202; p. 169.
 Penfield, Raymond C. (See Crum, Hollis B., assignor.)
 Penfield, Raymond C., New York, N. Y. Method and apparatus for handling bricks in bulk for drying and burning. No. 1,121,658; Dec. 22; Gaz. vol. 209; p. 1080.
 Penick, Stephen H., Martin, Tenn. Removable handle. No. 1,115,334; Oct. 27; Gaz. vol. 207; p. 1159.
 Peninsular Tire and Rubber Company, The. (See Gillette, Herbert B., assignor.)
 Penland, Robert N., et al. (See Greene, James O., assignor.)
 Penn, George W., Dallas, Tex. Straight-edge. No. 1,115,101; Oct. 27; Gaz. vol. 207; p. 1079.
 Penn Hardware Company. (See Cleaver, George E., assignor.)
 Penn, Hugh R., et al. (See Peoples, William B., assignor.)
 Penn Metal Company. (See Dolan, James P., assignor.)
 Penn Pressed Metal Co. (See Estberg, William T., assignor.)
 Penn, Ralph L., assignor of one-half to J. S. Randolph, Glencoe, and one-fourth to P. B. Carr and one-fourth to J. B. Giffie, Barnesville, Ohio. Oil-can. No. 1,103,537; July 14; Gaz. vol. 204; p. 502.
 Pennell, Charles C., Newark, Del. Fireworks. No. 1,102,074; June 30; Gaz. vol. 203; p. 1463.
 Penney, Loren W., Newton, assignor to Saco-Lowell Shops, Boston, Mass. Safety device for lap-winders and the like. No. 1,122,631; Dec. 29; Gaz. vol. 209; p. 1455.
 Pennington, Emory V., Mohawk, Tenn. Engine-starter. No. 1,100,091; June 16; Gaz. vol. 203; p. 671.
 Pennington, John I., Baltimore, Md. Safety-receptacle for merchandise. No. 1,110,816; Sept. 15; Gaz. vol. 206; p. 775.
 Pennington, John J. (See Kibler and Pennington.)
 Penno, Daniel J., Trinidad, Colo. Non-skidding attachment for automobile-wheels. No. 1,105,374; July 28; Gaz. vol. 204; p. 1234.
 Pennock, George A. (See Johnson and Pennock.)
 Pennock, Lewis W., Los Angeles, Cal. Table-drawer. No. 1,108,082; Aug. 18; Gaz. vol. 205; p. 966.
 Pennsylvania Crusher Company. (See Borton and Hiller, assignors.)
 Pennsylvania Globe Gas Light Company, The. (See McMenamin, Joseph C., assignor.)
 Pennsylvania Globe Gas Light Company, The. (See Rumble, Frank L., assignor.)
 Pennsylvania Globe Gas Light Company, The. (See Rumble and Volz, assignors.)
 Pennsylvania Globe Gas Light Company. (See Slinack, Victor H., assignor.)

Alphabetical list of patentees—Continued.

- Pennsylvania Salt Manufacturing Company. (See Hall, Clarence A., assignor.)
- Pennsylvania Salt Manufacturing Company. (See Hookey, Charles H. and S., assignors.)
- Pennsylvania Steel Company, The. (See Dutton, Francis B., assignor.)
- Penny, Ludella, Wilson, N. C. Collar-support. No. 1,102,681; July 7; Gaz. vol. 204; p. 160.
- Penote, Augustus J., Cleveland, Ohio. Cable-splice. No. 1,113,138; Oct. 6; Gaz. vol. 207; p. 250.
- Penrod, George H., Eveleth, Minn. Combined faucet and fountain. No. 1,122,416; Dec. 29; Gaz. vol. 209; p. 1379.
- Penrose, Edward R., Logansport, Ind., assignor to Buda Company, Chicago, Ill. Hydraulic jack. No. 1,120,968; Dec. 15; Gaz. vol. 209; p. 803.
- Pensacola Tar & Turpentine Company, The. (See Mariner, Frank E., assignor.)
- Pentecost, William A. (See Oakley and Pentecost.)
- Péntek, László, Columbus, Ohio. Antiskidding device for cushioned-tire wheels. No. 1,120,527; Dec. 8; Gaz. vol. 209; p. 601.
- Peoples, Bert R., Vallejo, Cal. Garment-press. No. 1,111,969; Sept. 29; Gaz. vol. 206; p. 1253.
- Peoples, Jethro, Arlington, Kans. Rotary barge for grain-headers. No. 1,110,457; Sept. 15; Gaz. vol. 206; p. 649.
- Peoples, Ulysses S. G. (See Mills and Richards, assignors.)
- Peoples, William B., assignor of one-fourth to H. R. Penn and one-fourth to A. R. Metz, Elberton, Wash. Wrench. No. 1,096,317; May 12; Gaz. vol. 202; p. 427.
- Peoples, William F., Abilene, Tex. Knee-rest. No. 1,090,408; Mar. 17; Gaz. vol. 200; p. 687.
- Peple, Charles A., assignor to The Duplex Envelope Company, Inc., Richmond, Va. Envelop-opener. No. 1,099,885; June 9; Gaz. vol. 203; p. 563.
- Peppard, Mayme J., Minneapolis, Minn. Trunk. No. 1,106,581; Aug. 11; Gaz. vol. 205; p. 392.
- Pepper, Frederick W., *et al.* (See Flagstad, Hansen, and Flagstad, assignors.)
- Pepple, John W., San Antonio, Tex. Caster-wheel. No. 1,118,227; Nov. 24; Gaz. vol. 208; p. 1081.
- Percival, Leonard, Tacoma, Wash., assignor to Alarm Lock Company. Alarm-lock. No. 1,112,316; Sept. 29; Gaz. vol. 206; p. 1374.
- Percy, Earl N. (See Smith and Percy.)
- Percy, Harry C., Natchitoches, La. Resilient wheel. No. 1,085,700; Feb. 3; Gaz. vol. 199; p. 42.
- Percy, James E., assignor of three-fifths to C. H. Getty and A. W. Sherwood, Hoosick Falls, N. Y. Closure for milk-bottles. No. 1,091,761; Mar. 31; Gaz. vol. 200; p. 1222.
- Percy, William. (See McArthur and Percy.)
- Perdue, Brady M., Franklin, Ky. Buggy-shaft support. No. 1,112,929; Oct. 6; Gaz. vol. 207; p. 181.
- Perego, James A., Call, Tex. Steam-brake for single-truck log-loaders. No. 1,084,754; Jan. 20; Gaz. vol. 198; p. 557.
- Perego, Thomas R., assignor to Ammidon and Company, Baltimore, Md. Portable sink. No. 1,116,913; Nov. 10; Gaz. vol. 208; p. 543.
- Perez, Miguel, Chicago, Ill. Non-refillable bottle. No. 1,093,882; Apr. 21; Gaz. vol. 201; p. 674.
- Perez, Waldo F., Key West, Fla. Bottle-cap. No. 1,114,181; Oct. 20; Gaz. vol. 207; p. 702.
- Perfect Vacuum Can Company. (See Malmquist, Adolph, assignor.)
- Perfect Window Regulator Company. (See Altrichter, Johann, assignor.) (Reissue.)
- Perfection Dyeing Machine Co. (See Payne, Jesse M., assignor.)
- Perfection Gas Regulator Company. (See Barrington, Charles, Jr., assignor.)
- Perfection Gas Regulator Company. (See Ricketts, James R., assignor.)
- Perfection Gas Regulator Company. (See Ricketts and Leahy, assignors.)
- Perfection Mortise Machine Company, The. (See Campbell, George W., assignor.)
- Perfection Razor Strop Company. (See Browning, George, assignor.)
- Perfection Shingle & Roofing Company. (See Raczy, Julius, assignor.)
- Perfection Spring Company, The. (See Maranville, Harvey F., assignor.)
- Perfection Spring Company, The. (See McIntyre, Michael M., assignor.) (Reissue.)
- Perfection Spring Company, The. (See Utz, John G., assignor.)
- Perham, Clara A., executrix. (See Perham, Haven C.)
- Perham, Dean E., *et al.* (See Apgar, Thomas S., assignor.)
- Perham, Haven C., deceased; C. A. Perham, executrix, assignor to Kitson Machine Shop, Lowell, Mass. Cotton-conveying apparatus. No. 1,092,857; Apr. 14; Gaz. vol. 201; p. 287.
- Perin, Glover F., Birmingham, Ala., assignor to The Jeffrey Manufacturing Company. Electric locomotive. No. 1,086,396; Feb. 10; Gaz. vol. 199; p. 329.
- Perino, Josef, Boston, Mass. Fertilizer and producing the same from rock minerals. No. 1,111,490; Sept. 22; Gaz. vol. 206; p. 1050.
- Perkin, Howard W., Glendale, assignor to High Frequency Ignition Coil Company, Los Angeles, Cal. High-frequency discharge apparatus. No. 1,093,072; Apr. 14; Gaz. vol. 201; p. 360.
- Perkins, Alonson D., San Francisco, Cal. Means to prevent the unauthorized use of explosive-engines. No. 1,116,324; Nov. 3; Gaz. vol. 208; p. 291.
- Perkins, Augustus T., Chicago, Ill. Conveyer-bucket. No. 1,106,404; Aug. 11; Gaz. vol. 205; p. 326.
- Perkins, Benjamin C., and R. K. Skinner, Hartford, Conn. Internal-combustion engine. No. 1,117,900; Nov. 17; Gaz. vol. 208; p. 928.
- Perkins, Charles E. (See Carter and Perkins.)
- Perkins, Eben, Bridgewater, Mass. Roost and dropping-board for hen-houses. No. 1,102,794; July 7; Gaz. vol. 204; p. 199.
- Perkins, Edwin A., New York, N. Y. Shock-absorber for valves. No. 1,091,238; Mar. 24; Gaz. vol. 200; p. 1003.
- Perkins Electric Switch Manufacturing Company, The. (See Anderson, John M. S., assignor.)
- Perkins Electric Switch Manufacturing Company, The. (See Thomas, George B., assignor.)
- Perkins, Elmer E., Chicago, Ill. Drying-kiln. No. 1,120,625; Dec. 8; Gaz. vol. 209; p. 637.
- Perkins, Floyd N., assignor to Arcade Manufacturing Company, Freeport, Ill. Refrigerator-latch. No. 1,092,285; Apr. 7; Gaz. vol. 201; p. 57.
- Perkins, Floyd N., assignor to Arcade Manufacturing Company, Freeport, Ill. Spring-latch. No. 1,109,358; Sept. 1; Gaz. vol. 206; p. 179.
- Perkins, Frank G., deceased; G. S. Perkins, executrix, Lansdale, Pa., assignor to Perkins Glue Co. Glue-kettle. No. 1,109,143; Sept. 1; Gaz. vol. 206; p. 100.
- Perkins, Frank G., deceased; G. S. Perkins, executrix, Lansdale, Pa., assignor to Perkins Glue Co. Glue-kettle. No. 1,109,144; Sept. 1; Gaz. vol. 206; p. 101.
- Perkins, Franklin J., assignor to Holder-Perkins Company, Woburn, Mass. Press. No. 1,085,296; Jan. 27; Gaz. vol. 198; p. 778.
- Perkins, Franklin J., assignor to Holder-Perkins Company, Woburn, Mass. Press. No. 1,115,012; Oct. 27; Gaz. vol. 207; p. 1047.
- Perkins, Franklin J., deceased; S. J. P. Smith, administratrix, Peabody, assignor to Holder-Perkins Company, Woburn, Mass. Press. No. 1,115,013; Oct. 27; Gaz. vol. 207; p. 1048.
- Perkins, Frederick L., Providence, R. I. Varnish-rubber. No. 1,118,576; Nov. 24; Gaz. vol. 208; p. 1206.
- Perkins, George W., assignor to Heaton Peninsular Button Fastener Company, Boston, Mass. Button-fastening machine. No. 1,089,344; Mar. 3; Gaz. vol. 200; p. 227.
- Perkins, George W., assignor to Heaton Peninsular Button Fastener Company, Boston, Mass. Wire-feed device. No. 1,110,401; Sept. 15; Gaz. vol. 206; p. 629.
- Perkins, Gertrude S., executrix. (See Perkins, Frank G.)
- Perkins Glue Co. (See Perkins, Frank G., assignor.)
- Perkins, Gregory, Los Angeles, Cal. Machine for cutting paving. No. 1,090,646; Mar. 17; Gaz. vol. 200; p. 769.
- Perkins, Herman, Montague, Mass. Horseshoe. No. 1,121,534; Dec. 15; Gaz. vol. 209; p. 999.
- Perkins, Hiram A., Rochester, N. Y. Chip-breaker for wood-planing machines. No. 1,107,182; Aug. 11; Gaz. vol. 205; p. 601.
- Perkins, James D., Washington, D. C. Rear-end search-light. No. 1,092,450; Apr. 7; Gaz. vol. 201; p. 113.
- Perkins, John W., Everett, Mass. Adjustable butt-plate for gun-stocks. No. 1,088,362; Feb. 24; Gaz. vol. 199; p. 1109.
- Perkins, Joseph E., Hartford, Conn. Filing-machine. No. 1,118,307; Nov. 24; Gaz. vol. 208; p. 1109.
- Perkins, Joseph G., Cincinnati, Ohio, assignor of one-third to F. E. Bortel, South Bend, Ind. Flushing-valve. No. 1,118,440; Nov. 24; Gaz. vol. 208; p. 1158.
- Perkins, Josiah F. (See Allum and Perkins.)
- Perkins, Louis J., Lewiston, Idaho. Explosive-engine-priming mechanism. No. 1,088,792; Mar. 3; Gaz. vol. 200; p. 41.
- Perkins, Martin M., Alabama City, Ala. Cotton-chopper. No. 1,112,029; Sept. 29; Gaz. vol. 206; p. 1273.
- Perkins, Raymond P. (See Moffett and Perkins.)
- Perkins, Robert B. (See Copass and Perkins.)
- Perkins, Silas W., St. John, Wash. Ladder. No. 1,085,629; Feb. 3; Gaz. vol. 199; p. 17.
- Perkins, Thomas G., Seattle, Wash. Batter-mixer. No. 1,099,466; June 9; Gaz. vol. 203; p. 420.
- Perkins, Thomas S., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-breaker. No. 1,116,475; Nov. 10; Gaz. vol. 208; p. 385.
- Perkins, Thomas S., Pittsburgh, and E. E. Rose, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrically-heated stove. No. 1,090,339; Mar. 17; Gaz. vol. 200; p. 662.
- Perkins, Walter H., assignor to J. B. Wise, Inc., Watertown, N. Y. Pipe-coupling. No. 1,106,967; Aug. 11; Gaz. vol. 205; p. 527.
- Perkins, William H., Bonaparte, Iowa. Scraper. No. 1,085,355; Jan. 27; Gaz. vol. 198; p. 799.

Alphabetical list of patentees—Continued.

- Perkins, William H., and C. A. Lindgren, Hathorne, Mass. Automatic laundry-valve. No. 1,103,828; July 14; Gaz. vol. 204; p. 605.
- Perkins, Willis J., Grand Rapids, Mich. Speed control for self-propelled vehicles. No. 1,083,701; Jan. 6; Gaz. vol. 198; p. 146.
- Perkins, Willis J., Grand Rapids, Mich. Light-focus-intercepting shade. No. 1,109,013; Sept. 1; Gaz. vol. 206; p. 55.
- Perkins, Willis J., Grand Rapids, Mich. Light-focus shade or dimmer-zone. No. 1,109,014; Sept. 1; Gaz. vol. 206; p. 56.
- Perkins, Willis J., Grand Rapids, Mich. Automatic liquid-fuel control for burners. No. 1,115,014; Oct. 27; Gaz. vol. 207; p. 1048.
- Perky, Henry D., deceased, Glencoe, Md.; L. Sparks, administrator, assignor, by mesne assignments, to The Shredded Wheat Company, Niagara Falls, N. Y. Machine for manufacturing different varieties of cereals into unitary compound forms. No. 1,095,024; Apr. 28; Gaz. vol. 201; p. 1125.
- Perlin, Abraham P., Chicago, Ill. Comb. No. 1,108,224; Aug. 25; Gaz. vol. 205; p. 1063.
- Perlman, Abraham, assignor to Star Ball Bearing Door-Hanger Company, New York, N. Y. Door-hanger. No. 1,083,295; Jan. 6; Gaz. vol. 198; p. 13.
- Permutit-Aktiengesellschaft. (See Gans, Robert, assignor.)
- Permutit-Aktiengesellschaft. (See Massatsch, Cornelius, assignor.)
- Permutit Company, The. (See Duggan, Thomas R., assignor.)
- Perognat, Pierre, Thiers, France. Machine for grinding rough-forged blades of knives and other cutting instruments. No. 1,107,997; Aug. 18; Gaz. vol. 205; p. 936.
- Perrault, Joseph E., Belmont, assignor to Hood Rubber Co., Watertown, Mass. Method of and machine for folding the edges of rubber sheets. No. 1,111,232; Sept. 22; Gaz. vol. 206; p. 963.
- Perreault, Henry V., Lowell, Mass. Lock, bolt, and latch releasing device. No. 1,086,848; Feb. 10; Gaz. vol. 199; p. 490.
- Perri, Angelo, Haverhill, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-filling machine. No. 1,120,847; Dec. 15; Gaz. vol. 209; p. 761.
- Perrin, John G., Detroit, Mich. Automobile side lamp. No. 1,096,452; May 12; Gaz. vol. 202; p. 471.
- Perrin, Thomas L., Brooklyn, N. Y. Sterilizing apparatus for surgical instruments. No. 1,107,834; Aug. 18; Gaz. vol. 205; p. 880.
- Perrin, William H., New Liskeard, Ontario, Canada. Sheaf-shocker. No. 1,105,999; Aug. 4; Gaz. vol. 205; p. 145.
- Perrine, Charles S., Flint, Ark. Planter. No. 1,107,224; Aug. 11; Gaz. vol. 205; p. 616.
- Perrine, George H., Greenburg, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Button-ring. No. 1,120,079; Dec. 8; Gaz. vol. 209; p. 441.
- Perron, Théodo, St. Casimir, Quebec, Canada. Hay-press. No. 1,119,037; Dec. 1; Gaz. vol. 209; p. 49.
- Perrone, Anthony J., et al. (See Concato, Girolamo, assignor.)
- Perrot, Henri, Cardross, Scotland. Machine for cutting involute spur-gears. No. 1,088,173; Feb. 24; Gaz. vol. 199; p. 1045.
- Perrot, Henri, Cardross, Scotland. Machine for cutting spherical involute teeth on bevel-wheels. No. 1,088,174; Feb. 24; Gaz. vol. 199; p. 1045.
- Perrotta, Mattia, Newark, N. J. Aeroplane. No. 1,099,467; June 9; Gaz. vol. 203; p. 420.
- Perry, Almeron H., Genesee, Pa. Steering attachment. No. 1,103,538; July 14; Gaz. vol. 204; p. 502.
- Perry, Amos, San Francisco, Cal. Trolley-wheel. No. 1,087,396; Feb. 17; Gaz. vol. 199; p. 728.
- Perry, David, St. Paul, Minn. Apparatus for casting. No. 1,121,659; Dec. 22; Gaz. vol. 209; p. 1080.
- Perry, Edna A., Beverly, Mass. Seam of stitches for uniting materials at their abutting edges. No. 1,104,072; July 21; Gaz. vol. 204; p. 731.
- Perry, Edward C. and F. D., assignors to American Car Sprinkler Co., Worcester, Mass. Machine for applying bituminous materials and the like to roads. No. 1,113,139; Oct. 6; Gaz. vol. 207; p. 250.
- Perry, Frank B., Manlius, N. Y. Fruit-stoning machine. No. 1,119,038; Dec. 1; Gaz. vol. 209; p. 49.
- Perry, Frank D. (See Perry, Edward C. and F. D.)
- Perry, Frederick H., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Channeling-machine. No. 1,102,294; July 7; Gaz. vol. 204; p. 25.
- Perry, Frederick H., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Trimming-machine. No. 1,108,225; Aug. 25; Gaz. vol. 205; p. 1063.
- Perry, George, Chicago, Ill. Motor. No. 1,097,360; May 19; Gaz. vol. 202; p. 829.
- Perry, George E., Chicago, Ill. Stamp. No. 1,100,773; June 23; Gaz. vol. 203; p. 958.
- Perry, George E., Chicago, Ill. Stamp. No. 1,102,795; July 7; Gaz. vol. 204; p. 200.
- Perry, George E., Chicago, Ill. Time-stamp. No. 1,115,102; Oct. 27; Gaz. vol. 207; p. 1080.
- Perry, George W., assignor to Holt Caterpillar Co., Peoria, Ill. Traction-engine. No. 1,100,148; June 16; Gaz. vol. 203; p. 691.
- Perry Mason Company. (See Hight, Francis, assignor.)
- Perry, Nelson I., Chicago, Ill. Explosive-engine valve. No. 1,096,124; May 12; Gaz. vol. 202; p. 359.
- Perry-Prentice Electric Company, The. (See Prentice, Frank W., assignor.)
- Perry, Samuel H., York, Nebr. Automatic watering-trough. No. 1,092,387; Apr. 7; Gaz. vol. 201; p. 90.
- Perry, Thomas O., Oak Park, Ill. Deep-well pump. No. 1,085,756; Feb. 3; Gaz. vol. 199; p. 64.
- Perry, Ward S., assignor to Vesta Accumulator Co., Chicago, Ill. Generator. No. 1,122,534; Dec. 29; Gaz. vol. 209; p. 1421.
- Perry, William J. (See Stegeman, Henry J., assignor.)
- Persohn, Frank A., Baltimore, Md. Spectacle-frame. No. 1,083,702; Jan. 6; Gaz. vol. 198; p. 147.
- Persohn, Frank A., Baltimore, Md. Eyeglass-mounting. No. 1,093,355; Apr. 14; Gaz. vol. 201; p. 457.
- Person, Axel. (See Fontneau and Person.)
- Person, Gustaf E., Braddock, N. D. Butcher's gambrel. No. 1,117,436; Nov. 17; Gaz. vol. 208; p. 766.
- Person, Olof, et al. (See Eliason, Axel S., assignor.)
- Persons, Charles A., Worcester, Mass. Spring-saddle. No. 1,084,226; Jan. 13; Gaz. vol. 198; p. 353.
- Persons, Charles A., Worcester, Mass. Spring-saddle. No. 1,097,361; May 19; Gaz. vol. 202; p. 830.
- Persons, G. Burns, Darfur, Minn. Woven-wire clamp. No. 1,095,025; Apr. 28; Gaz. vol. 201; p. 1126.
- Persoons, Alphonse. (See Persoons, Julien and A.)
- Persoons, Julien and A., Childonck, near Louvain, Belgium. Yielding bearing. No. 1,107,998; Aug. 18; Gaz. vol. 205; p. 936.
- Persson, Gottfrid, Lueders, Tex. Coverlet-holder. No. 1,106,474; Aug. 11; Gaz. vol. 205; p. 353.
- Persson, Otto F., Erie, Pa., assignor to General Electric Company. Muffler. No. 1,087,397; Feb. 17; Gaz. vol. 199; p. 728.
- Persson, Otto F., Erie, Pa., assignor to General Electric Company. Muffler. No. 1,087,398; Feb. 17; Gaz. vol. 199; p. 729.
- Persson, Otto F., Erie, Pa., assignor to General Electric Company. Air starting mechanism for oil-engines. No. 1,118,368; Nov. 24; Gaz. vol. 208; p. 1132.
- Persson, Otto F., Erie, Pa., assignor to General Electric Company. Fuel-pump for internal-combustion engines. No. 1,118,796; Nov. 24; Gaz. vol. 208; p. 1279.
- Persson, Otto F., Lynn, Mass., assignor to General Electric Company. Steering mechanism. No. 1,091,861; Mar. 31; Gaz. vol. 200; p. 1259.
- Persten, Myer. (See Elkins and Persten.)
- Perth Amboy Chemical Works. (See Hochstetter, Heinrich von, assignor.)
- Pescatore, Théodore, Liege, Belgium. System of transporting heavy loads by motor-vehicles. No. 1,084,820; Jan. 20; Gaz. vol. 198; p. 579.
- Pesendorfer, Jacob, Philadelphia, Pa. Turbine. No. 1,120,237; Dec. 8; Gaz. vol. 209; p. 498.
- Peskin, Hyman, Worcester, Mass. Apparatus for sponging and shrinking cloth. No. 1,119,368; Dec. 1; Gaz. vol. 209; p. 162.
- Pestalozza, Paolo, Turin, Italy. Point-changing mechanism. No. 1,121,200; Dec. 15; Gaz. vol. 209; p. 886.
- Peter, Carl, Medaryville, Ind. Railway-tie. No. 1,113,575; Oct. 13; Gaz. vol. 207; p. 449.
- Peter, George, Rochester, N. Y. Jointer-guard. No. 1,111,671; Sept. 22; Gaz. vol. 206; p. 1114.
- Peter Gray & Sons. (See Briand, Charles C., assignor.)
- Péter, Gustaf O., Oskarshamn, Sweden. Making date marmalade. No. 1,118,369; Nov. 24; Gaz. vol. 208; p. 1132.
- Peter, Rudolph, San Jose, Cal. Orchard-heater. No. 1,108,471; Aug. 25; Gaz. vol. 205; p. 1148.
- Peter Smith Heater Company. (See Smith, Elmer J., assignor.)
- Petermann, Otto. (See Hazen and Petermann.)
- Petermann, Otto, New York, N. Y., assignor, by mesne assignments, to Standard Typewriter Company. Bar mechanism for type-writing machines. No. 1,087,459; Feb. 17; Gaz. vol. 199; p. 751.
- Petermann, Otto, New York, N. Y., assignor, by mesne assignments, to Standard Typewriter Company. Carriage for type-writing machines. No. 1,088,924; Mar. 3; Gaz. vol. 200; p. 86.
- Petermann, Otto, New York, N. Y., assignor, by mesne assignments, to Standard Typewriter Company. Type-writing machine. No. 1,089,345; Mar. 3; Gaz. vol. 200; p. 227.
- Petermann, Otto, Groton, N. Y., assignor, by mesne assignments, to Corona Typewriter Company. Type-writing machine. No. 1,113,576; Oct. 13; Gaz. vol. 207; p. 450.
- Petermann, Otto, Groton, N. Y., assignor to Corona Typewriter Company, Incorporated. Type-writing machine. No. 1,116,476; Nov. 10; Gaz. vol. 208; p. 385.
- Petermann, Otto, Groton, N. Y., assignor, by mesne assignments, to Corona Typewriter Company, Incorporated. Ribbon mechanism for type-writing machines. No. 1,121,032; Dec. 15; Gaz. vol. 209; p. 825.

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- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Incorporated. Type-writing machine. No. 1,121,034; Dec. 15; Gaz. vol. 209; p. 826.
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Incorporated. Platen-shift. No. 1,121,036; Dec. 15; Gaz. vol. 209; p. 827.
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Incorporated. Type-writing machine. No. 1,121,037; Dec. 15; Gaz. vol. 209; p. 827.
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Incorporated. Ribbon mechanism for type-writing machines. No. 1,121,038; Dec. 15; Gaz. vol. 209; p. 828.
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Incorporated. Platen-shift. No. 1,121,039; Dec. 15; Gaz. vol. 209; p. 828.
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Incorporated. Escapement mechanism for type-writing machines. No. 1,121,040; Dec. 15; Gaz. vol. 209; p. 829.
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Incorporated. Platen-shift for type-writing machines. No. 1,121,041; Dec. 15; Gaz. vol. 209; p. 829.
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Incorporated. Type-writing machine. No. 1,121,042; Dec. 15; Gaz. vol. 209; p. 830.
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Incorporated. Type-writing machine. No. 1,121,043; Dec. 15; Gaz. vol. 209; p. 830.
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Incorporated. Type-writing machine. No. 1,121,044; Dec. 15; Gaz. vol. 209; p. 830.
- Petermann, Otto, New York, N. Y., assignor, by mesne assignments, to Corona Typewriter Company, Incorporated. Line-spacing mechanism for type-writing machines. No. 1,121,031; Dec. 15; Gaz. vol. 209; p. 825.
- Petermann, Otto, New York, N. Y., assignor, by mesne assignments, to Corona Typewriter Company, Incorporated. Feed mechanism for type-writing machines. No. 1,121,033; Dec. 15; Gaz. vol. 209; p. 826.
- Petermann, Otto, New York, N. Y., assignor, by mesne assignments, to Corona Typewriter Company, Incorporated. Platen-shift for type-writing machines. No. 1,121,035; Dec. 15; Gaz. vol. 209; p. 826.
- Petermüller, Joseph, Cathcart, Glasgow, Scotland. Rotary elastic-fluid pump. No. 1,107,999; Aug. 18; Gaz. vol. 205; p. 936.
- Peters, Alonzo F., Heriot Bay, Vancouver Island, British Columbia, Canada. Sawing-machine. No. 1,118,577; Nov. 24; Gaz. vol. 208; p. 1207.
- Peters, Arthur S., Manchester, England. Ink or fluid receptacle. No. 1,098,636; June 2; Gaz. vol. 203; p. 96.
- Peters, Bud J. (See King, John, assignor.)
- Peters, Charles F. (See Miller, Lobach, and Peters.)
- Peters, Gershom M., Cincinnati, Ohio. Railway-rail. No. 1,104,923; July 28; Gaz. vol. 204; p. 1074.
- Peters, Heber C., Indianapolis, Ind., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,094,012; Apr. 21; Gaz. vol. 201; p. 717.
- Peters, Heber C., Indianapolis, Ind., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,116,109; Nov. 3; Gaz. vol. 208; p. 220.
- Peters, Heber C., New York, N. Y., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,094,468; Apr. 28; Gaz. vol. 201; p. 930.
- Peters, Henry W., Boston, Mass. Safety-catch for pins. No. 1,112,317; Sept. 29; Gaz. vol. 206; p. 1374.
- Peters, Herman, Jamaica, N. Y. Automatic line clamp or holder. No. 1,084,476; Jan. 13; Gaz. vol. 198; p. 431.
- Peters, Herman, assignor to Holeproof Hosiery Co., Milwaukee, Wis. Knitting-machine. No. 1,120,332; Dec. 8; Gaz. vol. 209; p. 531.
- Peters, John B., Detroit, Mich. Bottle-closure. No. 1,115,733; Nov. 3; Gaz. vol. 208; p. 91.
- Peters, John S., assignor of one-half to C. H. Loucks, Scottsdale, Pa. Transmission-gearing for motor-vehicles. No. 1,084,959; Jan. 20; Gaz. vol. 198; p. 625.
- Peters, Lawrence, *et al.* (See Sexton, James P., assignor.)
- Peters, Louis H., Quebec, Quebec, Canada. Lock-joint for window-stiles. No. 1,090,498; Mar. 17; Gaz. vol. 200; p. 719.
- Peters, Louis S., Alameda, assignor of one-third to F. E. Collins, Oakland, Cal. Time-controlled circuit-breaker. No. 1,110,510; Sept. 15; Gaz. vol. 206; p. 668.
- Peters, Milton C. (See Cooper and Peters.)
- Peters, Nellie M., Chicago, Ill. Kimono. No. 1,104,445; July 21; Gaz. vol. 204; p. 858.
- Peters, William A. (See Cruver and Peters.)
- Peters, William A., and C. L. Cruver, Chicago, Ill. Spinning-top. No. 1,101,953; June 30; Gaz. vol. 203; p. 1420.
- Petersen, Anker, Winthrop, assignor to Boston Machinery Company, Boston, Mass. Braiding-machine. No. 1,105,452; July 28; Gaz. vol. 204; p. 1260.
- Petersen, Anker, Winthrop, assignor to Boston Machinery Company, Boston, Mass. Winding-machine. No. 1,105,453; July 28; Gaz. vol. 204; p. 1261.
- Petersen, Charles, San Francisco, Cal. Street-car. No. 1,097,766; May 26; Gaz. vol. 202; p. 1014.
- Petersen, Christine, Evanston, Ill. Corset. No. 1,110,005; Sept. 8; Gaz. vol. 206; p. 448.
- Petersen, Hans, Minneapolis, Minn. Keyboard and escapement mechanism for linotype-Machines. No. 1,098,681; June 2; Gaz. vol. 203; p. 111.
- Petersen, Henry, Mount Auburn, Iowa. Cultivator. No. 1,084,166; Jan. 13; Gaz. vol. 198; p. 331.
- Petersen, Henry, Mount Auburn, Iowa. Cultivator. No. 1,084,291; Jan. 13; Gaz. vol. 198; p. 373.
- Petersen, Henry, Mount Auburn, Iowa. Draft-equalizer. No. 1,099,203; June 9; Gaz. vol. 203; p. 328.
- Petersen, Henry, Mount Auburn, Iowa. Draft-equalizer. No. 1,099,204; June 9; Gaz. vol. 203; p. 329.
- Petersen, Henry, Mount Auburn, Iowa. Locking and releasing device for cultivators. No. 1,111,920; Sept. 29; Gaz. vol. 206; p. 1239.
- Petersen, John, Curtiss, Wis. Ironing-table. No. 1,100,774; June 23; Gaz. vol. 203; p. 958.
- Petersen, Ludvig T., Youngstown, Ohio. Manufacturing resilient articles. No. 1,115,240; Oct. 27; Gaz. vol. 207; p. 1129.
- Petersen, Ludvig T., Youngstown, Ohio. Resilient ball. No. 1,115,734; Nov. 3; Gaz. vol. 208; p. 91.
- Petersen, Peter F., Oklahoma, Okla. Cornet. No. 1,084,869; Jan. 20; Gaz. vol. 198; p. 596.
- Petersen, Robert J., Birmingham, England. Device for loading magazine-rifles. No. 1,088,925; Mar. 3; Gaz. vol. 200; p. 86.
- Petersen, Walter, Chicago, Ill. Tool for spreading tire-cuts. No. 1,090,564; Mar. 17; Gaz. vol. 200; p. 741.
- Petersen, William, Lyons, Iowa. Stovepipe or chimney thimble. No. 1,088,718; Mar. 3; Gaz. vol. 200; p. 17.
- Petersen, William A., *et al.* (See Vaughan, Henry H., assignor.)
- Petersen, William F., Chicago, Ill. Feeding mechanism for bakers' ovens. No. 1,095,669; May 5; Gaz. vol. 202; p. 170.
- Peterson, Albert. (See Peterson, Niels J., assignor.)
- Peterson, Albert R., Minden, Nebr. Rat-trap. No. 1,110,006; Sept. 8; Gaz. vol. 206; p. 448.
- Peterson, Albert R., Minden, Nebr. Door or gate latch. No. 1,115,563; Nov. 3; Gaz. vol. 208; p. 33.
- Peterson, August T., Brooklyn, N. Y. Device for overcoming dead-centers. No. 1,084,821; Jan. 20; Gaz. vol. 198; p. 579.
- Peterson, Axel. (See Dale, Charles O., assignor.)
- Peterson, Burt A. (See Colman and Peterson.)
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Bobbin-holder. No. 1,101,811; June 30; Gaz. vol. 203; p. 1369.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Doffer. No. 1,101,812; June 30; Gaz. vol. 203; p. 1369.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Bobbin cleaning and handling mechanism. No. 1,106,239; Aug. 4; Gaz. vol. 205; p. 226.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Bobbin-handling apparatus. No. 1,108,097; Aug. 18; Gaz. vol. 205; p. 971.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Machine for doffing spinning-frames. No. 1,115,564; Nov. 3; Gaz. vol. 208; p. 33.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Doffer. No. 1,117,437; Nov. 17; Gaz. vol. 208; p. 766.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Spinning-frame doffer. No. 1,120,626; Dec. 8; Gaz. vol. 209; p. 637.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Doffer. No. 1,121,535; Dec. 15; Gaz. vol. 209; p. 999.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Doffer. No. 1,122,417; Dec. 29; Gaz. vol. 209; p. 1379.
- Peterson, Carl H., Hartford, Conn. Air-valve. No. 1,109,174; Sept. 1; Gaz. vol. 206; p. 113.
- Peterson, Charles, Dublin, Ireland. Toilet or hair comb. No. 1,094,013; Apr. 21; Gaz. vol. 201; p. 718.
- Peterson, Charles, assignor of one-half to O. Peterson, Lincoln, Kans. Eaves-trough brace. No. 1,085,474; Jan. 27; Gaz. vol. 198; p. 837.
- Peterson, Charles A., Ida Grove, Iowa. Cultivator. No. 1,118,511; Nov. 24; Gaz. vol. 208; p. 1183.
- Peterson, Charles F., Schenectady, N. Y., assignor to General Electric Company. Making insulating material. No. 1,098,967; June 2; Gaz. vol. 203; p. 207.
- Peterson, Christen J., assignor to Wearproof Mat Company, Chicago, Ill. Mat. No. 1,090,791; Mar. 17; Gaz. vol. 200; p. 815.
- Peterson, David E., Philadelphia, Pa. Freight-car. No. 1,084,477; Jan. 13; Gaz. vol. 198; p. 432.
- Peterson, Edwin L., assignor to Pressed Steel Truck Company, Pittsburgh, Pa. Hand-truck. No. 1,092,286; Apr. 7; Gaz. vol. 201; p. 57.
- Peterson, Eliot, Seattle, Wash. Internal-combustion engine. No. 1,101,469; June 23; Gaz. vol. 203; p. 1199.
- Peterson, Elmer T., Cimarron, Kans. Newspaper wrapping and labeling machine. No. 1,113,823; Oct. 13; Gaz. vol. 207; p. 536.

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 Peterson, Franklin P., Tulsa, Okla. Gas. No. 1,094,864; Apr. 28; Gaz. vol. 201; p. 1070.
 Peterson, Frederick O., Detroit, Mich., assignor to Bessemer Gas Engine Company, Grove City, Pa. Engine. No. 1,105,298; July 28; Gaz. vol. 204; p. 1204.
 Peterson, Fredolf J., Salem, Ohio. Leaf-controlling means for credit-registers. No. 1,087,977; Feb. 24; Gaz. vol. 199; p. 977.
 Peterson, Fredolf J., Salem, Ohio. Credit-register-leaf construction. No. 1,091,239; Mar. 24; Gaz. vol. 200; p. 1004.
 Peterson, Fritz, Rockford, Ill. Saw. No. 1,088,719; Mar. 3; Gaz. vol. 200; p. 17.
 Peterson, George C., and A. H. Nelson, Stickney, S. D. Weeder attachment. No. 1,116,914; Nov. 10; Gaz. vol. 208; p. 544.
 Peterson, George F., Salt Lake City, Utah. Valve-grinder. No. 1,122,998; Dec. 29; Gaz. vol. 209; p. 1585.
 Peterson, George H., Omaha, Nebr. Larding-needle. No. 1,100,907; June 23; Gaz. vol. 203; p. 1005.
 Peterson, Godfrey W., Genoa, Nebr. Veterinary implement. No. 1,092,593; Apr. 7; Gaz. vol. 201; p. 162.
 Peterson, James, Faith, Alberta, Canada. Tilling-machine. No. 1,084,478; Jan. 13; Gaz. vol. 198; p. 432.
 Peterson, James, Price, assignor to J. J. Olson, trustee, Salt Lake City, Utah. Folding umbrella. No. 1,107,835; Aug. 18; Gaz. vol. 205; p. 880.
 Peterson, Jesse, Lockport, N. Y., assignor to United Indurated Fibre Co. Indurated-fiber article. No. 1,097,666; May 26; Gaz. vol. 202; p. 978.
 Peterson, Johann G., Hartford, Conn. Electric switch. No. 1,099,313; June 9; Gaz. vol. 203; p. 366.
 Peterson, Johann G., assignor to Manhattan Electrical Supply Company, Jersey City, N. J. Separable attachment-plug. No. 1,093,468; Apr. 14; Gaz. vol. 201; p. 494.
 Peterson, Johann G., assignor to Manhattan Electrical Supply Company, Jersey City, N. J. Ratchet mechanism for electric switches. No. 1,108,516; Aug. 25; Gaz. vol. 205; p. 1165.
 Peterson, John, Faribault, Minn. Index-tab. No. 1,119,869; Dec. 8; Gaz. vol. 209; p. 368.
 Peterson, John A., Modesto, Cal. Tandem seat for motorcycles. No. 1,088,793; Mar. 3; Gaz. vol. 200; p. 41.
 Peterson, Lars A., Stockholm, Sweden. Change-speed gearing. No. 1,108,784; Aug. 25; Gaz. vol. 205; p. 1255.
 Peterson, Lars C., Osage City, Kans. Loading apparatus. No. 1,115,241; Oct. 27; Gaz. vol. 207; p. 1129.
 Peterson, Louis J. (See Tuscany and Peterson.)
 Peterson, Mancel W., Waubay, S. D. Traction-wheel. No. 1,113,477; Oct. 13; Gaz. vol. 207; p. 416.
 Peterson, Nels. (See Buzard and Peterson.)
 Peterson, Niels J., assignor of one-third to A. Peterson, Minneapolis, Minn. Folding box. No. 1,097,260; May 19; Gaz. vol. 202; p. 794.
 Peterson, Olof, De Kalb, and H. C. Smith, Geneva, Ill. Safety device for electric circuits. No. 1,116,477; Nov. 10; Gaz. vol. 208; p. 386.
 Peterson, Oscar. (See Peterson, Charles, assignor.)
 Peterson, Samuel J., Valdosta, Ga. Pumping apparatus. No. 1,089,955; Mar. 10; Gaz. vol. 200; p. 488.
 Peterson, Tron O., New York, N. Y. Device for viewing objects. No. 1,096,191; May 12; Gaz. vol. 202; p. 381.
 Peterson, William J., Brooklyn, N. Y. Tire. No. 1,115,015; Oct. 27; Gaz. vol. 207; p. 1049.
 Peterson, Willis, Frankfort, Mich. Seat for vehicles. No. 1,114,801; Oct. 27; Gaz. vol. 207; p. 971.
 Pethick, John, Bude, England. Window. No. 1,087,913; Feb. 17; Gaz. vol. 199; p. 907.
 Petinot, Napoleon. (See Stassano and Petinot.)
 Petio, Adolf, Maffersdorf, near Reichenberg, Austria-Hungary. Weather-signal. No. 1,100,775; June 23; Gaz. vol. 203; p. 958.
 Petit, Adomir N., West Orange, N. J. Electric switch. No. 1,100,253; June 16; Gaz. vol. 203; p. 727.
 Petit, Albert, Los Angeles, Cal. Pin-point guard. No. 1,093,800; Apr. 21; Gaz. vol. 201; p. 646.
 Petit, Charles, Paris, France. Diving-chamber for submarine operations. No. 1,109,145; Sept. 1; Gaz. vol. 206; p. 101.
 Petithory, Albert F., Phillipsburg, N. J. Tension device for shuttles. No. 1,113,045; Oct. 6; Gaz. vol. 207; p. 219.
 Peto, James T., Paterson, N. J., assignor to S. T. Walkup, New York, N. Y. Roll-renewing attachment for printing-presses. (Reissue.) No. 13,671; Jan. 6; Gaz. vol. 198; p. 211.
 Petri, Gunther H., Boston, Mass. Forming-machine. No. 1,087,051; Feb. 10; Gaz. vol. 199; p. 555.
 Petri, John. (See Papai and Petri.)
 Petri, John, Elberta, Ala. Portable fence. No. 1,102,075; June 30; Gaz. vol. 203; p. 1464.
 Petri, John, Elberta, Ala. Mail-box. No. 1,111,031; Sept. 22; Gaz. vol. 206; p. 893.
 Petri-Palmedo, David, Bridgeport, Conn., assignor to Electric Compositor Company, New York, N. Y. Slug-elevator for line-casting machines. No. 1,108,390; Aug. 25; Gaz. vol. 205; p. 1121.
 Petri-Palmedo, David, Bridgeport, Conn., assignor to Electric Compositor Company, New York, N. Y. Bottom trimming-knife wiper. No. 1,108,391; Aug. 25; Gaz. vol. 205; p. 1122.
 Petri-Palmedo, David, assignor to Electric Compositor Company, Bridgeport, Conn. Matrix-magazine. No. 1,112,653; Oct. 6; Gaz. vol. 207; p. 87.
 Petri-Palmedo, David, Hoboken, N. J., assignor to Electric Compositor Company, New York, N. Y. Space-bar for justifying matrix-lines. No. 1,112,652; Oct. 6; Gaz. vol. 207; p. 86.
 Petrie, Enos B., New York, N. Y. Hydraulic jack and clutch for lifting mechanism. No. 1,117,516; Nov. 17; Gaz. vol. 208; p. 794.
 Petrie, Enos B., New York, N. Y. Clutch for hoisting apparatus. No. 1,120,741; Dec. 15; Gaz. vol. 209; p. 724.
 Petrillo, Carmine. (See Stupian, Charles, assignor.)
 Petritsch, Joseph, Chicago Heights, Ill. Window-shade holder. No. 1,095,923; May 5; Gaz. vol. 202; p. 254.
 Petro, John. (See Binette and Petro.)
 Petroff, Grigori, St. Petersburg, Russia. Extracting and separating sulfo-acids from crude petroleum, hydrocarbons, and acid residues. No. 1,087,888; Feb. 17; Gaz. vol. 199; p. 897.
 Petroleum Patents Company. (See Dunn, Irwin L., assignor.)
 Petromilli, Pasquale, and C. Piatanesi, San Francisco, Cal. Accordion. No. 1,087,508; Feb. 17; Gaz. vol. 199; p. 767.
 Petry, Gustav, Wiesbaden, Germany. Stretching device for the treatment of fractured bones. No. 1,101,954; June 30; Gaz. vol. 203; p. 1420.
 Pettengill, George M., Haverhill, Mass., assignor to Haverhill Shoe Machinery Company. Heel-nailing machine. No. 1,119,763; Dec. 1; Gaz. vol. 209; p. 295.
 Petter, Adolph J., Los Angeles, Cal. Vehicle-frame. No. 1,085,995; Feb. 3; Gaz. vol. 199; p. 140.
 Petterson, Clarence A., San Anselmo, assignor of one-half to J. Golinsky, San Francisco, Cal. Folding paper barrel. No. 1,096,453; May 12; Gaz. vol. 202; p. 472.
 Petterson, Charles O., New York, N. Y. Nose-clip for eyeglasses. No. 1,108,226; Aug. 25; Gaz. vol. 205; p. 1064.
 Pettibon, James A. (See Henderson and Pettibon.)
 Pettibone, James. (See Weikert and Pettibone.)
 Pettibone, James W., assignor to Mixer Machine Company, Muskegon, Mich. Screening apparatus. No. 1,108,616; Aug. 25; Gaz. vol. 205; p. 1200.
 Pettibone Mulliken Company. (See Strom, Eugene N., assignor.)
 Petticore, Anthony, Sedro Woolley, Wash. Oil-burner. No. 1,122,535; Dec. 29; Gaz. vol. 209; p. 1421.
 Pettie, Charles A., New York, N. Y. Protector for tires. No. 1,111,404; Sept. 22; Gaz. vol. 206; p. 1021.
 Pettijohn, Charles W. (See Purcell and Pettijohn.)
 Pettigell Machine Co. (See Knights, George L., assignor.)
 Pettingill, Walter C. M., Birmingham, England. Lamp. No. 1,108,227; Aug. 25; Gaz. vol. 205; p. 1064.
 Pettis, Clifton D., Ridgewood, N. J. Brake-shoe. No. 1,100,092; June 16; Gaz. vol. 203; p. 671.
 Pettis, Clifton D., Ridgewood, N. J. Brake-shoe. No. 1,100,093; June 16; Gaz. vol. 203; p. 672.
 Pettis, Clifton D., Ridgewood, N. J. Brake-shoe. No. 1,100,094; June 16; Gaz. vol. 203; p. 672.
 Pettis, Clifton D., Chicago, Ill. Brake-shoe. No. 1,100,196; June 16; Gaz. vol. 203; p. 708.
 Pettis, Clifton D., Chicago, Ill. Brake-shoe. No. 1,104,925; July 28; Gaz. vol. 204; p. 1075.
 Pettis, Clifton D., Chicago, Ill. Apparatus for casting. No. 1,104,926; July 28; Gaz. vol. 204; p. 1075.
 Pettis, Clifton D., Chicago, Ill. Casting apparatus. No. 1,104,927; July 28; Gaz. vol. 204; p. 1075.
 Pettis, Clifton D., Mahwah, N. J. Casting brake-shoes. No. 1,104,928; July 28; Gaz. vol. 204; p. 1076.
 Pettis, Clifton D., and P. H. Batten, Chicago, Ill., assignors, by mesne assignments, to American Brake Shoe & Foundry Company. Brake-shoe. No. 1,104,924; July 28; Gaz. vol. 204; p. 1074.
 Pettis, Edson S., San Francisco, Cal. Process and apparatus for the extraction of pregnant cyanid solutions from pulp. No. 1,106,836; Aug. 11; Gaz. vol. 205; p. 481.
 Pettit, Elihu R., Philadelphia, Pa. Atomizer. No. 1,103,684; July 14; Gaz. vol. 204; p. 558.
 Pettit, Fred H., Anthon, Okla. Signal apparatus. No. 1,105,099; July 28; Gaz. vol. 204; p. 1134.
 Pettit, John H., Great Falls, Mont. Embroidery-foot attachment. No. 1,102,433; July 7; Gaz. vol. 204; p. 75.
 Pettit, John H., Great Falls, Mont. Work-supporting plate. No. 1,122,999; Dec. 29; Gaz. vol. 209; p. 1585.
 Pettit, John R., New York, N. Y., assignor of one-third to G. Davidson, Madison, N. J. Game-board. No. 1,119,870; Dec. 8; Gaz. vol. 209; p. 369.
 Pettus, William B., Atlanta, Ga. Water-gate valve. No. 1,087,821; Feb. 17; Gaz. vol. 199; p. 876.
 Petty, Francis M., Swink, Okla. Cattle-guard. No. 1,102,295; July 7; Gaz. vol. 204; p. 26.
 Petty, George F., Valley Springs, Cal. Jaw-trap. No. 1,122,151; Dec. 22; Gaz. vol. 209; p. 1251.

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- Petty, Henry E., *et al.* (See McFeely, John, assignor.)
- Petty, Henry E., *et al.* (See Schaeffer, Luther, assignor.)
- Petty, Milton E., *et al.* (See McFeely, John, assignor.)
- Petty, Milton E., *et al.* (See Schaeffer, Luther, assignor.)
- Petzold, Ferdinand P., Vancouver, British Columbia, Canada. Inserted saw-tooth. No. 1,120,969; Dec. 15; Gaz. vol. 209; p. 803.
- Peugh, William G., Aberdeen, Miss. Jack for raising automobiles and other vehicles. No. 1,108,000; Aug. 18; Gaz. vol. 205; p. 937.
- Peyton, Isaac, Springfield, Ill. Nut-lock. No. 1,106,316; Aug. 4; Gaz. vol. 205; p. 252.
- Pezzer, Michel de, Paris, France. Indicating device for phonography and its application. No. 1,101,326; June 23; Gaz. vol. 203; p. 1151.
- Pezzetti, Henry, Philadelphia, Pa. Wagon. No. 1,084,358; Jan. 13; Gaz. vol. 198; p. 395.
- Pezzetti, Henry, Philadelphia, Pa. Street-sweeper. No. 1,085,475; Jan. 27; Gaz. vol. 198; p. 837.
- Pezzetti, Henry, assignor to American Road Appliance Corporation, Philadelphia, Pa. Dump-wagon. No. 1,106,675; Aug. 11; Gaz. vol. 205; p. 425.
- Pezzolo, Louis, San Jose, Cal. Rat-trap. No. 1,096,387; May 12; Gaz. vol. 202; p. 449.
- Pfaehler, Herman G., New York, N. Y., and C. J. Marks, New Brunswick, N. J. Cooking utensil. No. 1,106,837; Aug. 11; Gaz. vol. 205; p. 482.
- Pfahl, Frederick L., Akron, Ohio. Gasolene-gage structure. No. 1,098,968; June 2; Gaz. vol. 203; p. 207.
- Pfahler, William Q., Toledo, Ohio. Tank-outlet. No. 1,113,683; Oct. 13; Gaz. vol. 207; p. 485.
- Pfarr, Arthur S. (See Cray and Pfarr.)
- Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Time-element power-limiting device. No. 1,103,891; July 14; Gaz. vol. 204; p. 627.
- Pfau, Arnold, Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Turbine. No. 1,117,699; Nov. 17; Gaz. vol. 208; p. 859.
- Pfau, Otto R., Milwaukee, Wis. Pneumatic pump. No. 1,090,873; Mar. 24; Gaz. vol. 200; p. 876.
- Pfeifer, William J., Melrose Park, Ill. Cow-stable appliance. No. 1,097,667; May 26; Gaz. vol. 202; p. 978.
- Pfeiffer, Byron G., Detroit, Mich. Fish-bait holder. No. 1,089,074; Mar. 3; Gaz. vol. 200; p. 136.
- Pfeiffer, Charles G., and G. W. Parker, Jr., Philadelphia, Pa. Vault-closure. No. 1,087,606; Feb. 17; Gaz. vol. 199; p. 802.
- Pfeiffer, Jacob, P. Olah, and A. G. Falkenstein, Salt Lake City, Utah. Trolley. No. 1,086,613; Feb. 10; Gaz. vol. 199; p. 407.
- Pfeiffer, Louis N., Kenton, Ohio. Fence-wire splicing. No. 1,107,104; Aug. 11; Gaz. vol. 205; p. 571.
- Pfeiffer, Otto G., assignor to Utahna Development Company, Salt Lake City, Utah. Automatic reversing-gearing. (Reissue.) No. 13,855; Dec. 29; Gaz. vol. 209; p. 1663.
- Pfeil, Frederick C., Buffalo, N. Y. Valve. No. 1,112,472; Oct. 6; Gaz. vol. 207; p. 20.
- Pfennighausen, Gothard E., Wethersfield, and G. Okerfelt, Hartford, Conn. Article made from reeds, ratan, or the like. No. 1,121,864; Dec. 22; Gaz. vol. 209; p. 1153.
- Pfenninger Pretzel & Baking Company. (See Schaezel, George H., assignor.)
- Pfile, William, Freeport, Ill. Concrete-mixer. No. 1,103,685; July 14; Gaz. vol. 204; p. 559.
- Pfister, Karl. (See Schlegel and Pfister.)
- Pfister, Louis F., Denver, Colo., assignor to S. T. Walkup, New York, N. Y. Means for supplying and feeding paper to printing-presses. (Reissue.) No. 13,672; Jan. 6; Gaz. vol. 198; p. 212.
- Pfister & Vogel Leather Co. (See Bossert, Charles P., assignor.)
- Pfisterer, William A. (See Runner and Pfisterer.)
- Pfistner, Frank G. (See Zuck and Pfistner.)
- Pfager, Harry M. (See Howard and Pfager.)
- Pfager, Harry M., St. Louis, Mo. Car construction. No. 1,101,955; June 30; Gaz. vol. 203; p. 1421.
- Pfager, Harry M., assignor to Double Body Bolster Company, St. Louis, Mo. Truck-frame. No. 1,097,819; May 26; Gaz. vol. 202; p. 1033.
- Pfager, Harry M., assignor to Double Body Bolster Company, St. Louis, Mo. Car-frame construction. No. 1,105,299; July 28; Gaz. vol. 204; p. 1204.
- Pfager, Harry M., assignor to Double Body Bolster Company, St. Louis, Mo. Six-wheel car-truck. No. 1,105,300; July 28; Gaz. vol. 204; p. 1205.
- Pfager, Harry M., St. Louis, Mo., assignor, by mesne assignments, to Commonwealth Steel Company. Pedestal for car-trucks. No. 1,118,908; Nov. 24; Gaz. vol. 208; p. 1317.
- Pfager, Harry M., St. Louis, Mo., assignor, by mesne assignments, to Commonwealth Steel Company. Car end frame. No. 1,120,970; Dec. 15; Gaz. vol. 209; p. 804.
- Pfager, Paul L., assignor to The Pullman Company, Chicago, Ill. Axle-generator support. No. 1,112,831; Oct. 6; Gaz. vol. 207; p. 147.
- Pfau, Albert V., Tonasket, Wash. Water elevating and impelling apparatus. No. 1,099,859; June 9; Gaz. vol. 203; p. 553.
- Pfeiderer, Charles L., Philadelphia, Pa. Means for certifying checks or other instruments. No. 1,112,654; Oct. 6; Gaz. vol. 207; p. 87.
- Pfeiderer, Edward, Clifton Hill, Victoria, Australia. Explosion-engine valve. No. 1,120,528; Dec. 8; Gaz. vol. 209; p. 601.
- Pfeiderer, Fred, Jr., Superior, Nebr. Revolving meat-block. No. 1,105,531; July 28; Gaz. vol. 204; p. 1287.
- Pfueger, George A., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Adjustable bearing. No. 1,122,800; Dec. 29; Gaz. vol. 209; p. 1515.
- Pfuum, Harry L., Brooklyn, N. Y. Mechanical motor. No. 1,088,294; Feb. 24; Gaz. vol. 199; p. 1086.
- Pfordt, Charles C., Indiana, Pa. Brick-press. No. 1,106,838; Aug. 11; Gaz. vol. 205; p. 482.
- Pfouts, Leroy S., Canton, Ohio. Motor-vehicle. No. 1,104,446; July 21; Gaz. vol. 204; p. 858.
- Pfouts, Leroy S., assignor to The Miller Pasteurizing Machine Company, Canton, Ohio. Valve. No. 1,097,668; May 26; Gaz. vol. 202; p. 979.
- Pfouts, Leroy S., assignor to The Miller Pasteurizing Machine Company, Canton, Ohio. Ice-cream freezer. No. 1,116,110; Nov. 3; Gaz. vol. 208; p. 221.
- Pfund, Richard, New York, N. Y. Station for the transmission and reception of electromagnetic wave energy. No. 1,116,111; Nov. 3; Gaz. vol. 208; p. 221.
- Pfunder, Emil L., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,089,075; Mar. 3; Gaz. vol. 200; p. 137.
- Phalen, Clarence W., and F. E. Giddings, Ottawa, Ontario, Canada. Tiller-quadrant. No. 1,087,822; Feb. 17; Gaz. vol. 199; p. 876.
- Phaneuf, Elphege, St. Hyacinthe, Quebec, Canada. Sewing-machine throat-plate. No. 1,092,858; Apr. 14; Gaz. vol. 201; p. 288.
- Pheils, John W., Toledo, Ohio. Garbage holder and strainer. No. 1,115,016; Oct. 27; Gaz. vol. 207; p. 1049.
- Pheister, Samuel E., Yacolt, Wash. Spark-arrester. No. 1,093,469; Apr. 14; Gaz. vol. 201; p. 494.
- Phelan, Merton D., Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Horn-controlling mechanism for metallic fastening-machines. No. 1,104,130; July 21; Gaz. vol. 204; p. 750.
- Phelan, Merton D., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Self-lubricating pulley. No. 1,118,043; Nov. 24; Gaz. vol. 208; p. 1018.
- Phelan, Richard M., assignor of one-half to A. Davidson, Chicago, Ill. Chaser for cutting screw-threads. No. 1,104,541; July 21; Gaz. vol. 204; p. 894.
- Phelan, William J., New Salem, Pa. Safety-lock for self-dumping mine-cages. No. 1,085,297; Jan. 27; Gaz. vol. 198; p. 778.
- Phelps, Algernon S., Chicago, Ill. Acetylene-generator. No. 1,122,152; Dec. 22; Gaz. vol. 209; p. 1251.
- Phelps, Algernon S., and J. N. J. Hilbert, Chicago, Ill. Acetylene-generator. No. 1,121,758; Dec. 22; Gaz. vol. 209; p. 1113.
- Phelps, Bonnie, Oklahoma, Okla. Combination plow and drill. No. 1,113,906; Oct. 13; Gaz. vol. 207; p. 564.
- Phelps Can Company. (See Phelps, Walter J., assignor.)
- Phelps, Edwin S., Elizabeth, N. J. Time-recording lock. No. 1,112,419; Sept. 29; Gaz. vol. 206; p. 1410.
- Phelps, Frank, Little Rock, Ark. Release-valve. No. 1,087,399; Feb. 17; Gaz. vol. 199; p. 729.
- Phelps, Frank, Little Rock, Ark. High-pressure release-valve. No. 1,091,762; Mar. 31; Gaz. vol. 200; p. 1222.
- Phelps, George W., Chicago, Ill. Signal system. No. 1,093,801; Apr. 21; Gaz. vol. 201; p. 646.
- Phelps, Homer L., Martinsburg, W. Va. Controlling attachment for dumping-wagons. No. 1,102,434; July 7; Gaz. vol. 204; p. 75.
- Phelps, James C., Springfield, Mass. Connector for electric conduits. No. 1,083,756; Jan. 6; Gaz. vol. 198; p. 165.
- Phelps, James C., Springfield, Mass. Attachment for conduit outlet-boxes. No. 1,117,084; Nov. 10; Gaz. vol. 208; p. 602.
- Phelps, James C., Springfield, Mass. Connector for electric conduits. No. 1,122,632; Dec. 29; Gaz. vol. 209; p. 1455.
- Phelps, James W., Detroit, Mich. Electrically-heated cooking apparatus. No. 1,083,557; Jan. 6; Gaz. vol. 198; p. 99.
- Phelps, James W., Detroit, Mich., assignor, by mesne assignments, to General Electric Company. Electric incandescent lamp. No. 1,094,745; Apr. 28; Gaz. vol. 201; p. 1029.
- Phelps, John B., Birmingham, Ala. Nursing-bottle support. No. 1,110,712; Sept. 15; Gaz. vol. 206; p. 740.
- Phelps, Joseph. (See Farnham, Smith, and Phelps.)
- Phelps, Joseph, Belleville, N. J., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,100,442; June 16; Gaz. vol. 203; p. 793.
- Phelps, Lester N. (See Wood, Frank O., assignor.)
- Phelps, Lewis H. (See Rumpf, Harry J., assignor.)

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- Phelps, Orwin A., *et al.* (See Wyllys, Frank, assignor.)
- Phelps, Sidney W., Southbridge, Mass. Time-table. No. 1,112,089; Sept. 29; Gaz. vol. 206; p. 1294.
- Phelps, Spencer H., assignor to Blount Plow Works, Evansville, Ind. Cultivator gang connection. No. 1,109,175; Sept. 1; Gaz. vol. 206; p. 114.
- Phelps, Walter J., assignor to Phelps Can Company, Baltimore, Md. Canning liquids. No. 1,101,656; June 30; Gaz. vol. 203; p. 1315.
- Phelps, William E., Baltimore, Md. Method and apparatus for producing paper stock. No. 1,123,000; Dec. 29; Gaz. vol. 209; p. 1585.
- Phenix, Leroy C., Los Angeles, Cal. Davenport. No. 1,085,220; Jan. 27; Gaz. vol. 198; p. 750.
- Pheoll Manufacturing Company. (See McCain, Paul H., assignor.)
- Phifer, James S., Allentown, Pa., assignor to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Nail-packing machine. No. 1,096,641; May 12; Gaz. vol. 202; p. 535.
- Phifer, Washington I., Collinsville, Ill. Internal-combustion engine. No. 1,087,681; Feb. 17; Gaz. vol. 199; p. 830.
- Philadelphia Drying Machinery Company, The. (See Allsop, Sibson, Lowe, and Thomson, assignors.)
- Philadelphia Drying Machinery Company, The. (See Parkes, Bertrand A., assignor.)
- Philadelphia Drying Machinery Company, The. (See Sibson and Allsop, assignors.)
- Philadelphia Holding Company. (See Halsey, James T., assignor.)
- Philadelphia Holding Company. (See Stevenson and Gibbs, assignors.)
- Philadelphia Storage Battery Company. (See Skinner, James M., assignor.)
- Philadelphia Textile Machinery Company, The. (See Ayres, Elwood B., assignor.)
- Philadelphia Textile Machinery Company, The. (See Schwartz and Coulston, assignors.)
- Philbert, Major, Windsor, Cal., assignor of one-half to J. M. Campbell, Sonoma county, Cal. Combination-pruner. No. 1,111,672; Sept. 22; Gaz. vol. 206; p. 1115.
- Philbrick, Eugene H., Rockland, Me. Attachment for oilers. No. 1,101,327; June 23; Gaz. vol. 203; p. 1151.
- Philbrick, Richard A., Fredonia, Kans. Fluid-pressure brake mechanism. No. 1,123,001; Dec. 29; Gaz. vol. 209; p. 1586.
- Philbrook, John N., assignor to Raymond Concrete Pile Company, New York, N. Y. Retaining-wall. No. 1,099,664; June 9; Gaz. vol. 203; p. 487.
- Philip Carey Manufacturing Company, The. (See Moeller, William J., assignor.)
- Philip, Ernest R., Atlanta, Ga., assignor to American Can Company, New York, N. Y. Apron and cup supporting device. No. 1,091,698; Mar. 31; Gaz. vol. 200; p. 1200.
- Philip, Ernest R., Atlanta, Ga., assignor to American Can Company, New York, N. Y. Combined apron and cup supporting device. No. 1,091,699; Mar. 31; Gaz. vol. 200; p. 1200.
- Philippi, Theodore F., East St. Louis, Ill. Bending-machine. No. 1,097,874; May 26; Gaz. vol. 202; p. 1052.
- Philippis, August and O., Frankfurt-on-the-Main, Germany. Automatic playing mechanism for musical instruments working with a plurality of records. No. 1,115,735; Nov. 3; Gaz. vol. 208; p. 91.
- Philippis, Oswald. (See Philippis, August and O.)
- Philips, Frank C., Healdsburg, Cal. Fruit pitting and cutting machine. No. 1,112,090; Sept. 29; Gaz. vol. 206; p. 1294.
- Philips, Hans A., and G. Piepenbring, assignors to M. Henkels, Bridgeport, Conn. Unwinding mechanism for braiding-machines. No. 1,117,438; Nov. 17; Gaz. vol. 208; p. 766.
- Philips, Smith F., El Paso, Tex. Switch-stand. No. 1,120,529; Dec. 8; Gaz. vol. 209; p. 601.
- Philipsen, Johann, Essen-on-the-Ruhr, Germany. Cravat-holder. No. 1,098,295; May 26; Gaz. vol. 202; p. 1200.
- Philipson, Percy C. (See Philipson, William, T. W. H., and P. C.)
- Philipson, Thomas W. H. (See Philipson, William, T. W. H., and P. C.)
- Philipson, William, T. W. H., and P. C., Bolton, England. Expansible pulley. No. 1,112,345; Sept. 29; Gaz. vol. 206; p. 1384.
- Phillip, S. J. (See Lester, John E., assignor.)
- Phillippie, Webster M., Winston-Salem, N. C. Nut-lock. No. 1,086,935; Feb. 10; Gaz. vol. 199; p. 518.
- Phillips, Albert D., Waynesburg, Pa. Mechanism for the operation of performing figures. No. 1,117,517; Nov. 17; Gaz. vol. 208; p. 794.
- Phillips, Alonzo L. (See Noble and Phillips.)
- Phillips, Arthur A. (See Schelling and Phillips.)
- Phillips, Arthur G. (See Reagan and Phillips.)
- Phillips, Arthur P., Haverhill, assignor to Crosby Steam Gage & Valve Company, Boston, Mass. Pressure-weighting machine. No. 1,106,839; Aug. 11; Gaz. vol. 205; p. 482.
- Phillips, Ben C. (See Darby, Phillips, and Westmoreland.)
- Phillips, Charles, Crocker, Mo. Animal-trap. No. 1,107,105; Aug. 11; Gaz. vol. 205; p. 571.
- Phillips, Charles A., and F. C. Sherwood, Manlius, N. Y.; said Sherwood assignor to said Phillips. Bag-bundling machine. No. 1,109,781; Sept. 8; Gaz. vol. 206; p. 367.
- Phillips, Charles H., Maplewood, Mass., assignor to Phillips Flushing Tank Company, Portland, Me. Flushing-valve for water-closets. No. 1,102,543; July 7; Gaz. vol. 204; p. 112.
- Phillips, Columbus, Meridian, Miss., assignor of one-half to W. D. Thompson, Detroit, Mich. Car-roof. No. 1,096,944; May 19; Gaz. vol. 202; p. 683.
- Phillips, Daniel E., Cleveland, Ohio. Treating old iron and steel pipe. No. 1,106,109; Aug. 4; Gaz. vol. 205; p. 184.
- Phillips, Darius T., Chicago, Ill. Agricultural machine. No. 1,112,091; Sept. 29; Gaz. vol. 206; p. 1295.
- Phillips, Darius T., Chicago, Ill. Agricultural apparatus. No. 1,113,684; Oct. 13; Gaz. vol. 207; p. 486.
- Phillips, Darius T., Chicago, Ill. Corn-harvesting machine. No. 1,115,565; Nov. 3; Gaz. vol. 208; p. 33.
- Phillips, Elwood C., Chicago, Ill. Yeast-packaging machine. No. 1,105,041; July 28; Gaz. vol. 204; p. 1113.
- Phillips Flushing Tank Company. (See Phillips, Charles H., assignor.)
- Phillips, George C., Bogalusa, La. Cotton-picking machine. No. 1,100,908; June 23; Gaz. vol. 203; p. 1005.
- Phillips, George C., Bogalusa, La. Cotton-picking machine. No. 1,107,627; Aug. 18; Gaz. vol. 205; p. 807.
- Phillips, George C., Brookings, S. D. Cow-tail holder. No. 1,101,657; June 30; Gaz. vol. 203; p. 1316.
- Phillips, George W. (See Walker, Wythe E., assignor.)
- Phillips, Gerald A., Coventry, England. Making iron molds or chills. No. 1,099,997; June 16; Gaz. vol. 203; p. 638.
- Phillips, Harry H., assignor of one-half to H. S. Spedden, Chewelah, Wash. Automatic brake. No. 1,085,476; Jan. 27; Gaz. vol. 198; p. 837.
- Phillips, James B., Portland, Me. Lever-controlled device for hoisting mechanism. No. 1,091,160; Mar. 24; Gaz. vol. 200; p. 976.
- Phillips, John H., Jr., assignor to Phillips Metallic Hose Co., Jackson, Mich. Joint member for flexible pipe-joints. No. 1,117,961; Nov. 17; Gaz. vol. 208; p. 949.
- Phillips, John H., Jr., assignor to Phillips Metallic Hose Co., Jackson, Mich. Flexible pipe-joint. No. 1,117,962; Nov. 17; Gaz. vol. 208; p. 949.
- Phillips, John R., Poughkeepsie, N. Y. Invalid-bed. No. 1,108,617; Aug. 25; Gaz. vol. 205; p. 1200.
- Phillips, Joseph B., and J. A. Kaplan, Zanesville, Ohio. Furnace door or closure. No. 1,097,462; May 19; Gaz. vol. 202; p. 863.
- Phillips, Karen M., New York, N. Y. Astrological clock. No. 1,095,227; May 5; Gaz. vol. 202; p. 19.
- Phillips, Loren R., Fruita, Colo. Fire-kindler. No. 1,113,478; Oct. 13; Gaz. vol. 207; p. 416.
- Phillips, Marcella M., *et al.* (See Lee, Arthur R., assignor.)
- Phillips, Max, assignor to Innovation Shirt Company, New York, N. Y. Combination-garment. No. 1,109,015; Sept. 1; Gaz. vol. 206; p. 56.
- Phillips Metallic Hose Co. (See Phillips, John H., Jr., assignor.)
- Phillips, Milton W., New York, N. Y. Numbering-machine. No. 1,091,240; Mar. 24; Gaz. vol. 200; p. 1004.
- Phillips, Ross M. G., Minneapolis, Minn. Cooking apparatus. No. 1,102,796; July 7; Gaz. vol. 204; p. 200.
- Phillips, Ross M. G., West Haven, Conn., assignor to The Automatic Stove Co., Minneapolis, Minn. Fireless cooker. No. 1,103,539; July 14; Gaz. vol. 204; p. 502.
- Phillips, Ross M. G., West Haven, Conn., assignor to The Automatic Stove Co., Minneapolis, Minn. Cooking apparatus. No. 1,105,532; July 28; Gaz. vol. 204; p. 1287.
- Phillips, Ross M. G., West Haven, Conn., assignor to The Automatic Stove Co., Minneapolis, Minn. Fireless cooker. No. 1,109,542; Sept. 1; Gaz. vol. 206; p. 239.
- Phillips, Ross M. G., West Haven, Conn., assignor to The Automatic Stove Co., Minneapolis, Minn. Cooking apparatus. No. 1,110,079; Sept. 8; Gaz. vol. 206; p. 473.
- Phillips, Ross M. G., West Haven, assignor to The Sentinel Automatic Gas Appliance Co., New Haven, Conn. Double-burner flat-iron heater for two irons. No. 1,109,935; Sept. 8; Gaz. vol. 206; p. 423.
- Phillips, Ross M. G., West Haven, assignor to The Sentinel Automatic Gas Appliance Co., New Haven, Conn. Single-burner flat-iron heater. No. 1,109,936; Sept. 8; Gaz. vol. 206; p. 423.
- Phillips, Ross M. G., West Haven, assignor to The Sentinel Automatic Gas Appliance Co., New Haven, Conn. Gas-burning flat-iron heater. No. 1,109,937; Sept. 8; Gaz. vol. 206; p. 424.
- Phillips, Ross M. G., assignor to The Sentinel Automatic Gas Appliance Co., New Haven, Conn. Automatic gas-cock. No. 1,113,685; Oct. 13; Gaz. vol. 207; p. 486.
- Phillips, Ross M. G., Harrison, assignor of one-half to C. W. Chisholm, East Orange, N. J. Pneumatic vehicle-spring. No. 1,109,146; Sept. 1; Gaz. vol. 206; p. 102.
- Phillips, Ross S. (See Pope and Phillips.)
- Phillips, Samuel G. (See Hughes, Samuel E., assignor.)
- Phillips, Selden E. (See Wilkes and Phillips.)

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- Phillips, Thomas J., McKeesport, assignor of one-half to W. F. Orr, Kittanning, Pa. Sled. No. 1,091,955; Mar. 31; Gaz. vol. 200; p. 1290.
- Phillips, Tony C., San Francisco, Cal. Autotruck. No. 1,118,578; Nov. 24; Gaz. vol. 208; p. 1207.
- Phillips, Victor L., Kansas City, Mo. Pavement. No. 1,110,295; Sept. 8; Gaz. vol. 206; p. 552.
- Phillips, Walter P., Bridgeport, Conn. Electrically-driven winding apparatus for spring-motors. No. 1,085,477; Jan. 27; Gaz. vol. 198; p. 838.
- Phillips, Walter W., Jersey City, N. J. Carpet-retainer. No. 1,091,862; Mar. 31; Gaz. vol. 200; p. 1259.
- Phillips, William. (See Beckwith and Phillips.)
- Phillips, William C., *et al.* (See Friend, John E., assignor.)
- Phillips, William F. (See Glasscock and Phillips.)
- Phillips, William H., assignor to Nashua Card Gummed & Coated Paper Company, Nashua, N. H. Cutting and counting machine. No. 1,106,968; Aug. 11; Gaz. vol. 205; p. 528.
- Phillips, William O., Riverside, Ill. Slide-rule. No. 1,088,175; Feb. 24; Gaz. vol. 199; p. 1046.
- Phillips, William R., Portland, Oreg. Forming concrete piles in place. No. 1,104,703; July 21; Gaz. vol. 204; p. 948.
- Philp, Frederick D., assignor to P. Evans, Philadelphia, Pa. Grease-cup. No. 1,085,478; Jan. 27; Gaz. vol. 198; p. 838.
- Philp, George R., Lake City, Mich. Punch. No. 1,097,669; May 26; Gaz. vol. 202; p. 980.
- Philp, Robert A., Portland, Oreg. Burglar-alarm. No. 1,091,385; Mar. 24; Gaz. vol. 200; p. 1049.
- Philpott, William A., Jr. (See Crofts, Frederick C., assignor.)
- Phin, John A. (See Russell, Arthur, assignor.)
- Phinney Engineering Co., The. (See Shoman, Fred A., assignor.)
- Phinney Engineering Company, The. (See Adams, Roger C., assignor.)
- Phinney Engineering Company, The. (See Phinney, William B., assignor.)
- Phinney Engineering Company, The. (See Phinney and Adams, assignors.)
- Phinney Engineering Company, The. (See Schroder, Walter L., assignor.)
- Phinney, William B., Westfield, N. Y., assignor, by mesne assignments, to The Phinney Engineering Company, Chillicothe, Ohio. Machine for trimming string-beans and other articles. No. 1,098,398; June 2; Gaz. vol. 203; p. 14.
- Phinney, William B., Westfield, and R. C. Adams, Buffalo, N. Y., assignors, by mesne assignments, to The Phinney Engineering Company, Chillicothe, Ohio. Feeding mechanism for string-bean cutters, &c. No. 1,095,228; May 5; Gaz. vol. 202; p. 19.
- Phipps, Ernest F., La Fayette, Ga. Line and hip support for harness. No. 1,098,835; June 2; Gaz. vol. 203; p. 162.
- Phipps, Frederic W., Wellesley, Mass. Game apparatus. No. 1,109,543; Sept. 1; Gaz. vol. 206; p. 240.
- Phipps, Harry K., Emlenton, Pa. Plow attachment. No. 1,093,073; Apr. 14; Gaz. vol. 201; p. 360.
- Phipps, Henry C., Fremont, Nebr. Milk-can closure. No. 1,113,479; Oct. 13; Gaz. vol. 207; p. 416.
- Phoenix Foundry and Machine Company, The. (See Swendenborg, Swan, assignor.)
- Phoenix Glass Co. (See Pickhardt, Harry, assignor.)
- Phoenix Hermetic Company. (See Taliaferro, Thomas L., assignor.)
- Phoenix-Hermetic Company. (See Taliaferro and Bellamy, assignors.)
- Phoenix Iron Company, The, *et al.* (See Maccallum, Norman E., assignor.) (Reissue.)
- Phoenix Motor Company, The. (See Barrett and Wilson, assignors.)
- Phoenix Sales Company. (See Gorman and Sumner, assignors.)
- Phonoharp Company, The. (See Reynolds, George L., assignor.)
- Piaget, Henry V. (See Shaver, Elmer C., assignor.)
- Piatanesi, Colombo. (See Petromilli and Piatanesi.)
- Picard, Alphonse A., New York, N. Y. Wheel-tire. No. 1,115,566; Nov. 3; Gaz. vol. 208; p. 34.
- Picard, Hugh F. K. (See Sulman and Picard.)
- Piché, Joseph, Steelton, Ontario, Canada. Hose-protector. No. 1,106,840; Aug. 11; Gaz. vol. 205; p. 483.
- Pick, Hugo, Chicago, Ill. Drinking-glass. No. 1,107,700; Aug. 18; Gaz. vol. 205; p. 833.
- Pick, Thomas P., Chicago, Ill. Beer-stein. No. 1,094,469; Apr. 28; Gaz. vol. 201; p. 931.
- Pick, Thomas P., Chicago, Ill. Bottle-stopper. No. 1,098,051; May 26; Gaz. vol. 202; p. 1116.
- Pick, William, New York, N. Y. Automatic train-control mechanism. No. 1,087,823; Feb. 17; Gaz. vol. 199; p. 876.
- Pickard, Greenleaf W., Amesbury, Mass., assignor to Wireless Specialty Apparatus Company, New York, N. Y. Detector for wireless telegraphy and telephony. No. 1,104,073; July 21; Gaz. vol. 204; p. 731.
- Pickard, Greenleaf W., Amesbury, assignor, by mesne assignments, to Wireless Specialty Apparatus Company, Boston, Mass. Means for receiving intelligence communicated by electrical waves. (Reissue.) No. 13,798; Sept. 8; Gaz. vol. 206; p. 558.
- Pickard, Greenleaf W., Amesbury, Mass., assignor to Wireless Specialty Apparatus Company, New York, N. Y. Oscillation-detector. No. 1,118,228; Nov. 24; Gaz. vol. 208; p. 1081.
- Pickard, Joseph, Philadelphia, Pa. Heddle. No. 1,107,345; Aug. 18; Gaz. vol. 205; p. 707.
- Pickard, Willard A., Custer, Wash. Hame-clip. No. 1,083,856; Jan. 6; Gaz. vol. 198; p. 194.
- Picken, Archibald, assignor of one-half to F. W. Curd, Norfolk, Va. Speedometer-alarm. No. 1,104,704; July 21; Gaz. vol. 204; p. 948.
- Picken, James H., Cambridge, Mass. Swimming device. No. 1,108,392; Aug. 25; Gaz. vol. 205; p. 1122.
- Pickens, James A., Mobile, Ala. Weighing-scoop. No. 1,116,727; Nov. 10; Gaz. vol. 208; p. 477.
- Picker, Lucien. (See Mégevet and Picker.)
- Pickerill, John F., Butler, Ill. Indicator attachment for baling-presses. No. 1,113,824; Oct. 13; Gaz. vol. 207; p. 537.
- Pickering, Frederick G., New Glasgow, Nova Scotia, assignor of one-eighth to G. C. Boright, Farnham, and seven-eighths to W. Rutherford, Montreal, Quebec, Canada. Wheel. No. 1,100,682; June 16; Gaz. vol. 203; p. 871.
- Pickering, Oscar W., Springfield, Mass., assignor to Pickering Paint and Pigment Company. Pigment and paint. No. 1,113,907; Oct. 13; Gaz. vol. 207; p. 565.
- Pickering Paint and Pigment Company. (See Pickering, Oscar W., assignor.)
- Pickett, Benjamin H., Binford, N. D. Belt guide and throwing device. No. 1,116,478; Nov. 10; Gaz. vol. 208; p. 386.
- Pickett, Oren G., Jefferson City, Mo. Means employed in indexing systems. No. 1,106,158; Aug. 4; Gaz. vol. 205; p. 201.
- Pickett, Thornton F. (See Queen and Pickett.)
- Pickhardt, Harry, New York, N. Y., assignor to Phoenix Glass Co., Pittsburgh, Pa. Combined reflector and refractor for lamps. No. 1,088,838; Mar. 3; Gaz. vol. 200; p. 57.
- Pickop, George B., Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Screw-machine. No. 1,110,570; Sept. 15; Gaz. vol. 206; p. 688.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Top-plate-lifting device. No. 1,108,228; Aug. 25; Gaz. vol. 205; p. 1064.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Steel range. No. 1,110,341; Sept. 15; Gaz. vol. 206; p. 608.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Shelf and supporting means therefor. No. 1,110,342; Sept. 15; Gaz. vol. 206; p. 608.
- Pictet, Pierre. (See Vernaz and Pictet.)
- Pictet, Pierre, Geneva, Switzerland, and M. Vernaz, Annemasse, France. Internal-combustion engine. No. 1,105,454; July 28; Gaz. vol. 204; p. 1261.
- Pictet, Raoul P., Berlin-Wilmersdorf, Germany. Separating gaseous mixtures into their constituents. No. 1,119,312; Dec. 1; Gaz. vol. 209; p. 141.
- Picture Disc Company. (See Clubb and Whitehead, assignors.)
- Pidot, Samuel L., St. Joseph, Mo. Device for facilitating the locomotion of persons suffering from locomotor ataxia. No. 1,096,125; May 12; Gaz. vol. 202; p. 360.
- Piel, Gottfried. (See Long, George F., assignor.)
- Piepenbring, Gustav. (See Philips and Piepenbring.)
- Pieper, Alphonse F. (See Pieper, Oscar H. and A. F.)
- Pieper, Olga. (See Wilmowsky, Erwin F. von, assignor.)
- Pieper, Oscar H., Rochester, N. Y. Tool-holder. No. 1,120,530; Dec. 8; Gaz. vol. 209; p. 602.
- Pieper, Oscar H. and A. F., Rochester, N. Y. Dental engine-bracket. No. 1,111,177; Sept. 22; Gaz. vol. 206; p. 945.
- Pieper, Oscar H. and A. F., Rochester, N. Y. Electrical controlling apparatus. No. 1,111,178; Sept. 22; Gaz. vol. 206; p. 945.
- Pier, Kenneth N., Union City, Pa. Glue-stick. No. 1,087,137; Feb. 17; Gaz. vol. 199; p. 637.
- Pier, Mathias, Zehlendorf, near Berlin, Germany. Process of bringing hydrogen or hydrogen-containing gas mixtures to reaction and apparatus therefor. No. 1,090,874; Mar. 24; Gaz. vol. 200; p. 876.
- Pier, Mathias, Zehlendorf-Berlin, assignor, by mesne assignments, to Dynamit-Actien Gesellschaft, Hamburg, Germany. Preparation of ammonia from the elements. No. 1,119,534; Dec. 1; Gaz. vol. 209; p. 219.
- Pierce-Arrow Motor Car Company, The. (See Dawley, Herbert M., assignor.)
- Pierce, Arthur G. (See Lee and Pierce.)
- Pierce, Charles A. (See Pierce, William S., assignor.)
- Pierce, Charles R., Washington, D. C. Advertising apparatus. No. 1,115,103; Oct. 27; Gaz. vol. 207; p. 1080.
- Pierce, Chester A., Oshkosh, Wis. Address-pad. No. 1,116,112; Nov. 3; Gaz. vol. 208; p. 222.
- Pierce, Edward, and W. Pinkerton, Pleyto, Cal. Concentrator. No. 1,091,440; Mar. 24; Gaz. vol. 200; p. 1067.

Alphabetical list of patentees—Continued.

- Pierce, Ernest A., Sacramento, Cal. Resilient wheel. No. 1,095,416; May 5; Gaz. vol. 202; p. 83.
- Pierce, Forest C., Los Angeles, Cal. Folding chair. No. 1,084,898; Jan. 20; Gaz. vol. 198; p. 604.
- Pierce, Frank, assignor to Lincoln Iron Works, Rutland, Vt. Swinging-jack journal for gang-saws. No. 1,112,930; Oct. 6; Gaz. vol. 207; p. 181.
- Pierce, Frank S., Minneapolis, Kans. Carbureter. No. 1,084,028; Jan. 13; Gaz. vol. 198; p. 285.
- Pierce, Frank W., Rochester, N. Y. Amusement apparatus. No. 1,115,017; Oct. 27; Gaz. vol. 207; p. 1050.
- Pierce, George F., Kansas City, Mo. Flue-cleaner. No. 1,088,794; Mar. 3; Gaz. vol. 200; p. 42.
- Pierce, George L., Brooklyn, N. Y. Foot-ball protective apparel. No. 1,094,865; Apr. 28; Gaz. vol. 201; p. 1070.
- Pierce, George L., Brooklyn, N. Y. Golf-bag. No. 1,095,670; May 5; Gaz. vol. 202; p. 170.
- Pierce, George L., Brooklyn, N. Y. Skate. No. 1,097,875; May 26; Gaz. vol. 202; p. 1053.
- Pierce, George L., Manchester, N. H., assignor to Presto Spinning Ring Holder Company, Boston, Mass. Spinning-ring holder. No. 1,098,525; June 2; Gaz. vol. 203; p. 59.
- Pierce, George L., Manchester, N. H., assignor to Presto Spinning Ring Holder Company, Boston, Mass. Spinning-ring holder. No. 1,109,869; Sept. 8; Gaz. vol. 206; p. 398.
- Pierce, George P., Melbourne, Victoria, Australia. Machine for use in the manufacture of pulley-stiles of window-sash frames. No. 1,114,512; Oct. 20; Gaz. vol. 207; p. 820.
- Pierce, George W., Cambridge, Mass. Apparatus for amplifying or detecting electrical variations. No. 1,087,180; Feb. 17; Gaz. vol. 199; p. 651.
- Pierce, George W., Cambridge, Mass. Apparatus for amplifying or detecting electrical variation. No. 1,112,549; Oct. 6; Gaz. vol. 207; p. 49.
- Pierce, George W., Cambridge, Mass. Apparatus for receiving or relaying electric signals. No. 1,112,655; Oct. 6; Gaz. vol. 207; p. 87.
- Pierce, Guy C., assignor to California Valve and Air Brake Company, Los Angeles, Cal. Method and means for forming diaphragms. No. 1,091,763; Mar. 31; Gaz. vol. 200; p. 1222.
- Pierce, Henry N., assignor to The John MacGregor Company, South Lincoln, Me. Woodworking-machine. No. 1,105,301; July 28; Gaz. vol. 204; p. 1205.
- Pierce, Hubert F. (See Moody, William D., assignor.)
- Pierce, James, Ogden, Utah. Wheel. No. 1,091,241; Mar. 24; Gaz. vol. 200; p. 1005.
- Pierce, Jesse C., Tacoma, Wash. Automatic stand-lifter for motor-cycles. No. 1,106,240; Aug. 4; Gaz. vol. 205; p. 226.
- Pierce, Joseph, assignor of one-half to J. S. Westney, F. W. Lawrence, A. Schwartz, and H. C. George, Philadelphia, Pa. Variable-stroke mechanism. No. 1,112,832; Oct. 6; Gaz. vol. 207; p. 147.
- Pierce, Joseph H., Chicago, Ill. Corn-husker. No. 1,111,856; Sept. 29; Gaz. vol. 206; p. 1217.
- Pierce, Robert C., assignor to The Toledo Electric Welder Company, Cincinnati, Ohio. Electric welding-machine. No. 1,102,797; July 7; Gaz. vol. 204; p. 201.
- Pierce, Samuel H., Deseronto, Ontario, Canada. Plastic-cartridge-making machine. No. 1,092,451; Apr. 7; Gaz. vol. 201; p. 113.
- Pierce, Simeon F., St. Paul, Minn. Generating apparatus. No. 1,107,836; Aug. 18; Gaz. vol. 205; p. 881.
- Pierce, William A., Arroyo Grande, Cal. Lathe attachment. No. 1,099,816; June 9; Gaz. vol. 203; p. 539.
- Pierce, William S., assignor of one-half to C. A. Pierce, Franklin, Pa. Well-packer. No. 1,091,386; Mar. 24; Gaz. vol. 200; p. 1049.
- Pierce, William S., assignor of one-half to C. A. Pierce, Franklin, Pa. Packing for wells. No. 1,091,387; Mar. 24; Gaz. vol. 200; p. 1049.
- Pierman, Alexander N., Newark, N. J. Alarm. No. 1,091,533; Mar. 31; Gaz. vol. 200; p. 1143.
- Pierman, Alexander N., Newark, N. J. Motion-picture-film carton. No. 1,106,676; Aug. 11; Gaz. vol. 205; p. 425.
- Pierman, Alexander N., Newark, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,097,989; May 26; Gaz. vol. 202; p. 1095.
- Pierman, Alexander N., Newark, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Phonograph-reproducer. No. 1,119,113; Dec. 1; Gaz. vol. 209; p. 75.
- Piero, William J. (See Lisbae, John J., assignor.)
- Pierpont, Frank H., Salfords, Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Type-casting machine. No. 1,094,678; Apr. 28; Gaz. vol. 201; p. 1005.
- Pierre-Hervotte, Paul. (See Ragot and Pierre-Hervotte.)
- Pierson, Charles D., *et al.* (See Brown, Howard S., assignor.)
- Pierson, David B., deceased, Hartford, Conn. M. N. Pierson, administratrix. Milk-bottle closure and stopper-extractor. No. 1,119,985; Dec. 8; Gaz. vol. 209; p. 409.
- Pierson, Edwin W., Newark, N. J., assignor to Mergenthaler Linotype Company. Typographical casting-machine. No. 1,099,468; June 9; Gaz. vol. 203; p. 420.
- Pierson, Hiram W., Evant, Tex. Pump. No. 1,122,418; Dec. 29; Gaz. vol. 209; p. 1380.
- Pierson, John T., *et al.* (See Brown, Howard S., assignor.)
- Pierson, Mary N., administratrix. (See Pierson, David B.)
- Pierson, Robert M. (See Buffum, Herbert H., assignor.)
- Pieszak, Anthony J., Dunkirk, N. Y. Device for removing, replacing, and adjusting stuffing-box mechanism for valves. No. 1,086,728; Feb. 10; Gaz. vol. 199; p. 446.
- Pietrafesa, Victor, assignor of one-third to W. E. Lape and one-third to F. C. Baird, Syracuse, N. Y. Steam-heated sad-iron. No. 1,096,388; May 12; Gaz. vol. 202; p. 450.
- Pietzsch, Albert, and G. Adolph, Hoellriegelskreuth, near Munich, Germany. Producing hydrogen peroxid. No. 1,083,888; Jan. 6; Gaz. vol. 198; p. 204.
- Pifer, Ferdinand D., and E. Sorrells, Hot Springs, Ark. Railway-tie. No. 1,101,328; June 23; Gaz. vol. 203; p. 1151.
- Pifer, George N., assignor to The Foto Development Company, Cleveland, Ohio. Photographic plate and holder. No. 1,086,555; Feb. 10; Gaz. vol. 199; p. 386.
- Pigeon, Albert M., Philadelphia, Pa. Stop mechanism for knitting-machines. No. 1,113,246; Oct. 13; Gaz. vol. 207; p. 333.
- Piggins, Charles R., assignor to Piggins Motor Truck Company, Racine, Wis. Driving-axle for automobiles and trucks. No. 1,117,700; Nov. 17; Gaz. vol. 208; p. 860.
- Piggins Motor Truck Company. (See Piggins, Charles R., assignor.)
- Piggott, William C., London, England. Wheel-guard. No. 1,088,618; Feb. 24; Gaz. vol. 199; p. 1192.
- Pike, Frank R., Ontario, Cal. Vehicle fender-light. No. 1,110,227; Sept. 8; Gaz. vol. 206; p. 527.
- Pike, Frederic J., Beckenham, and H. Neville, Forest Hill, assignors to J. Stone & Company, Limited, Deptford, England. Fluid-pressure system for operating bulkhead-doors. No. 1,095,593; May 5; Gaz. vol. 202; p. 143.
- Pike, Harvey A., South Orange, N. J. Stay-bolt. No. 1,113,046; Oct. 6; Gaz. vol. 207; p. 219.
- Pike, Walter J., Grand Rapids, Mich. Controlling device for filtration plants. No. 1,111,857; Sept. 29; Gaz. vol. 206; p. 1217.
- Pike, William A., Medford, Mass. Pipe-vise support. No. 1,111,032; Sept. 22; Gaz. vol. 206; p. 893.
- Pike, William H., Jr., Orange, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Calculating-machine. No. 1,094,394; Apr. 21; Gaz. vol. 201; p. 843.
- Pike, William H., Jr., South Orange, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Adding and recording machine. No. 1,094,470; Apr. 28; Gaz. vol. 201; p. 931.
- Pike, William R., Lenox, Mass. Thimble. No. 1,109,457; Sept. 1; Gaz. vol. 206; p. 212.
- Pike, William S., Red Oak, Iowa. Automatic train-stop. No. 1,118,797; Nov. 24; Gaz. vol. 208; p. 1280.
- Pilcher, Benjamin R., Dothan, Ala. Resilient wheel. No. 1,112,931; Oct. 6; Gaz. vol. 207; p. 181.
- Pilcher, John A. (See Lewis and Pilcher.) (Reissue.)
- Pilcher, John A., Roanoke, Va. Center-plates for railway-cars. No. 1,090,168; Mar. 17; Gaz. vol. 200; p. 602.
- Pilcher, John A., Roanoke, Va. Brake arrangement for six-wheel trucks. No. 1,095,594; May 5; Gaz. vol. 202; p. 144.
- Pile, John R., Owensboro, Ky. Disk harrow. No. 1,120,158; Dec. 8; Gaz. vol. 209; p. 470.
- Pilger, George J., assignor of one-half to P. Stipp, Scranton, Pa. Umbrella-frame. No. 1,085,479; Jan. 27; Gaz. vol. 198; p. 838.
- Pilgrim, Claudia V., administratrix. (See Pilgrim, Frank J.)
- Pilgrim, Frank J., deceased, Paterson; C. V. Pilgrim, Bergen county, N. J., administratrix, assignor to E. G. Long Company, New York, N. Y. Electric signal system for railways. No. 1,112,473; Oct. 6; Gaz. vol. 207; p. 20.
- Pilkington, Alfred C., *et al.*, executors. (See Pilkington, William W.)
- Pilkington Brothers. (See Pilkington, William W., assignor.)
- Pilkington, Herbert M., Arverne, assignor, by mesne assignments, to Title Guarantee & Trust Company, trustee, New York, N. Y. Counting-head. No. 1,103,428; July 14; Gaz. vol. 204; p. 464.
- Pilkington, John F. (See Haralson and Pilkington.)
- Pilkington, John T., assignor of one-half to S. Lellman, Enderby, British Columbia, Canada. Clothes-reel. No. 1,119,633; Dec. 1; Gaz. vol. 209; p. 253.
- Pilkington, Richard A., *et al.*, executors. (See Pilkington, William W.)
- Pilkington, Sarah L., *et al.*, executors. (See Pilkington, William W.)
- Pilkington, William W., deceased, Prescott; S. L., R. A., and A. C. Pilkington, executors, assignors to Pilkington Brothers, Limited, St. Helens, England. Apparatus for drawing glass. No. 1,118,579; Nov. 24; Gaz. vol. 208; p. 1207.
- Pillich, Adolf, Lackawanna, N. Y. Electric railway signal system. No. 1,088,363; Feb. 24; Gaz. vol. 199; p. 1109.
- Pilling, Charles J. (See Faught and Pilling.)

Alphabetical list of patentees—Continued.

- Pilling, Charles J., Lansdowne, Pa. Sphygmomanometer. No. 1,119,369; Dec. 1; Gaz. vol. 209; p. 163.
- Pilling, Henry, Lancaster, England. Valve-gear mechanism for steam or other elastic-fluid engines. No. 1,094,243; Apr. 21; Gaz. vol. 201; p. 794.
- Pilling, James L., Athol, Mass. Operating mechanism for turn-tables. No. 1,115,242; Oct. 27; Gaz. vol. 207; p. 1129.
- Pillsbury, Edwin S., St. Louis, Mo., assignor to Century Electric Company. Electric motor. No. 1,093,074; Apr. 14; Gaz. vol. 201; p. 360.
- Pillsbury, Edwin S., St. Louis, Mo., assignor to Century Electric Company. Dynamo-electric machine. No. 1,122,633; Dec. 29; Gaz. vol. 209; p. 1456.
- Pilston, John I., Wyandotte, Mich. Pipe-expanding machine. No. 1,108,618; Aug. 25; Gaz. vol. 205; p. 1201.
- Pilsworth, Edward S. (See Desenberg and Pilsworth.)
- Pilz, Oscar. (See Müller and Pilz.)
- Pinacchiotti, Amerigo, Hancock, Mich. Self-regulating water-feeder for boilers. No. 1,085,092; Jan. 20; Gaz. vol. 198; p. 669.
- Pincin, William, Altoona, Pa. Adjustable reamer. No. 1,089,722; Mar. 10; Gaz. vol. 200; p. 407.
- Pincus, Walter. (See Hite, Charles E., assignor.) (Re-issue.)
- Pindell, John A., Cockeysville, Md. Fruit-picker. No. 1,105,302; July 28; Gaz. vol. 204; p. 1205.
- Pine, James K. P., assignor to United Shirt and Collar Company, Troy, N. Y. Collar. No. 1,101,091; June 23; Gaz. vol. 203; p. 1071.
- Pineau, Jeremiah M., Quincy, Mass. Life-preserver. No. 1,104,382; July 21; Gaz. vol. 204; p. 837.
- Pinegar, Harvey A., Wellington, Utah. Bolt and nut lock. No. 1,114,381; Oct. 20; Gaz. vol. 207; p. 772.
- Pinegar, Harvey A., Wellington, Utah. Brake attachment for vehicles. No. 1,114,382; Oct. 20; Gaz. vol. 207; p. 772.
- Pinel, Adrien, Le Houlme, France. Manufacturing gum or mucilage from locust-beans. No. 1,106,335; Aug. 4; Gaz. vol. 205; p. 258.
- Piner, Luther E., Chicago, Ill. Christmas-tree holder. No. 1,110,142; Sept. 8; Gaz. vol. 206; p. 499.
- Pines, Lewis V., Millersburg, Pa. Nut-lock. No. 1,107,106; Aug. 11; Gaz. vol. 205; p. 571.
- Ping, Robert G., assignor of one-half to E. N. Taggart, Audubon, Iowa. Convertible ladder. No. 1,102,682; July 7; Gaz. vol. 204; p. 160.
- Pingen, Henry M. (See Chapman and Pingen.)
- Pingen, Henry M., Toledo, Ohio. Lightning-arrester. No. 1,117,599; Nov. 17; Gaz. vol. 208; p. 821.
- Pingret, Victor, Cleveland, Ohio. Acetylene-gas generator. No. 1,112,092; Sept. 29; Gaz. vol. 206; p. 1295.
- Pinguely, Julius E., Melbourne, Ky. Spring-wheel. No. 1,096,749; May 12; Gaz. vol. 202; p. 571.
- Pinkerton, Charles B., and A. E. Wason, London, England. Electric starter for motors, alternating or direct current. No. 1,104,758; July 21; Gaz. vol. 204; p. 968.
- Pinkerton, Henry M. G., Philadelphia, Pa., assignor to Hill-Independent Manufacturing Company, Muskegon, Mich. Dating-stamp. No. 1,091,388; Mar. 24; Gaz. vol. 200; p. 1050.
- Pinkerton, William. (See Pierce and Pinkerton.)
- Pinkham, Delmar D., Texarkana, Tex. Window-screen. No. 1,120,333; Dec. 8; Gaz. vol. 209; p. 532.
- Pinkham, Frank L., Wilkinsburg, assignor to The National Tube Company, Pittsburgh, Pa. Making welded pipes. No. 1,108,393; Aug. 25; Gaz. vol. 205; p. 1123.
- Pinkler, Arthur P. (See Palmer and Pinkler.)
- Pinkney, Bryan D. (See Allison and Pinkney.)
- Pinkney, Bryan D., assignor to The Loew Manufacturing Company, Cleveland, Ohio. Bottle-cleaning apparatus. No. 1,110,817; Sept. 15; Gaz. vol. 206; p. 775.
- Pinnick, Harry E. (See Shelton, Frank M., assignor.)
- Pinnow, Frederick F., assignor of one-half to L. W. Terry, Brodhead, Wis. Whiffletree-hook. No. 1,097,670; May 26; Gaz. vol. 202; p. 980.
- Pinsuti, Giuseppe F., New York, N. Y. Bottle-stopper. No. 1,098,166; May 26; Gaz. vol. 202; p. 1154.
- Pioneer Suspender Company. (See Blum and Prentice, assignors.)
- Pioneer Suspender Company. (See Freeman, Frank A., assignor.) (Reissue.)
- Piper, Edmund F., Dacotah, Manitoba, Canada. Cylinder for threshing and other machines. No. 1,116,113; Nov. 3; Gaz. vol. 208; p. 222.
- Pipereaut, Pierre. (See Battaille and Pipereaut.)
- Pipes, Albert L., Sapulpa, Okla. Railway-switch point. No. 1,107,444; Aug. 18; Gaz. vol. 205; p. 743.
- Pippin, Clyde A., assignor of one-half to L. P. Moore, Weldon, Ill. Collapsible go-cart. No. 1,114,647; Oct. 20; Gaz. vol. 207; p. 864.
- Pirani, Marcello von, Wilmersdorf, near Berlin, Germany, assignor to General Electric Company. Working refractory metals. No. 1,089,786; Mar. 10; Gaz. vol. 200; p. 429.
- Pirani, Marcello von, Wilmersdorf, near Berlin, Germany, assignor to General Electric Company. Preforming refractory material prior to rolling. No. 1,093,203; Apr. 14; Gaz. vol. 201; p. 406.
- Pirani, Marcello von, Wilmersdorf, Germany, assignor to General Electric Company. Incandescent lamp. No. 1,099,721; June 9; Gaz. vol. 203; p. 507.
- Pirrung, Felix and G. F., Chicago, Ill. Dust-mop. No. 1,091,700; Mar. 31; Gaz. vol. 200; p. 1200.
- Pirrung, George F. (See Pirrung, Felix and G. F.)
- Pirrung, Theodore J. (See Anthony and Pirrung.)
- Pisarcik, Andro, Vandergrift, assignor to American Sheet & Tin Plate Company, Pittsburgh, Pa. Rolling-mill appliance. No. 1,084,107; Jan. 13; Gaz. vol. 198; p. 311.
- Pisarz, Henry and S. M., Los Angeles, Cal. Extension-ladder. No. 1,089,864; Mar. 10; Gaz. vol. 200; p. 455.
- Pisarz, Stash M. (See Pisarz, Henry and S. M.)
- Pistor, Gustav, J. Dion, and H. Reitz, Griesheim-on-the-Main, assigns to Chemische Fabrik-Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Filter-press. No. 1,084,659; Jan. 20; Gaz. vol. 198; p. 522.
- Pitcher, Ralph N., Milwaukee, Wis. Yielding stamp-supporting mechanism. No. 1,120,742; Dec. 15; Gaz. vol. 209; p. 724.
- Pitel, Conrad M., Meriden, Conn. Extension-chandelier. No. 1,113,480; Oct. 13; Gaz. vol. 207; p. 417.
- Pitkin, Arthur F., Schenectady, N. Y. Hand-truck. No. 1,103,429; July 14; Gaz. vol. 204; p. 465.
- Pitkin, James M., Los Angeles, Cal. Carton. No. 1,095,671; May 5; Gaz. vol. 202; p. 170.
- Pitkin, James M., San Francisco, Cal. Combined gravity and power transportation-line. No. 1,099,314; June 9; Gaz. vol. 203; p. 366.
- Pitman, Andrew C., Philippi, W. Va. Pump or motor. No. 1,087,181; Feb. 17; Gaz. vol. 199; p. 652.
- Pitsch, Ferdinand, assignor to A. Fries, hardware works, Berlin, Germany. Shoe-buckle. No. 1,118,722; Dec. 1; Gaz. vol. 209; p. 282.
- Pitt, John A., St. Louis, Mo., assignor to The Lamson Company, Boston, Mass. Conveying apparatus. No. 1,084,108; Jan. 13; Gaz. vol. 198; p. 312.
- Pitt, Rafford, New Rochelle, N. Y. Hand-rail for conveyers. No. 1,101,209; June 23; Gaz. vol. 203; p. 1111.
- Pitt, William A., New York, N. Y. Reciprocating engine. No. 1,107,837; Aug. 18; Gaz. vol. 205; p. 881.
- Pitt, William J., Taber, Alberta, Canada. Riding-harrow. No. 1,098,296; May 26; Gaz. vol. 202; p. 1200.
- Pitt, William J., Plymouth, England. Life-boat. No. 1,117,439; Nov. 17; Gaz. vol. 208; p. 767.
- Pitt, William J., Plymouth, England. Shackle. No. 1,121,865; Dec. 22; Gaz. vol. 209; p. 1153.
- Pitt, William P., Independence, assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf binder. No. 1,088,176; Feb. 24; Gaz. vol. 199; p. 1046.
- Pitt, William P., Independence, assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf holder. No. 1,088,177; Feb. 24; Gaz. vol. 199; p. 1046.
- Pitt, William P., Independence, assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf binder. No. 1,092,287; Apr. 7; Gaz. vol. 201; p. 57.
- Pittee, Albert F. (See Babson, Nathaniel H., assignor.)
- Pittenger, Barclay S. (See Harrison, George E., assignor.)
- Pittings, John, Antler, N. D. Washing-machine. No. 1,104,705; July 21; Gaz. vol. 204; p. 948.
- Pittoni, Louis E. (See Sisbower and Pittoni.)
- Pittoni, Louis E., assignor to New York Couch Bed Company, New York, N. Y. Folding bed. No. 1,090,340; Mar. 17; Gaz. vol. 200; p. 662.
- Pitts, Alfred M., assignor to W. F. Pitts, Boston, Mass. Detachable manhole-step. No. 1,093,204; Apr. 14; Gaz. vol. 201; p. 406.
- Pitts, John D. (See McCrory, Frederick E., assignor.)
- Pitts, John W., assignor to Pitts Royalty Company, Bisbee, Ariz. Internal-combustion engine. No. 1,090,647; Mar. 17; Gaz. vol. 200; p. 769.
- Pitts Royalty Company. (See Pitts, John W., assignor.)
- Pitts, Walter F. (See Pitts, Alfred M., assignor.)
- Pittsburg Brake Shoe Company. (See De France, Murrell R., assignor.)
- Pittsburg Brake Shoe Company. (See Kinzer, John J., assignor.)
- Pittsburg Meter Company. (See Chrisman, Horace, assignor.)
- Pittsburg Meter Company. (See Dowins, Richard G., assignor.) (Reissue.)
- Pittsburg Taximeter Company. (See Richert, Paul, assignor.)
- Pittsburgh Air Brake Company. (See Snyder, Jacob R., assignor.)
- Pittsburgh Art Glass Company. (See Weitershausen, Albert W., assignor.)
- Pittsburgh Carbon Brush Company. (See Hausen, Raymond F., assignor.)
- Pittsburgh Chemical Company. (See Williams, Joseph, Jr., assignor.)
- Pittsburgh Equipment Company. (See Allison, John, assignor.)
- Pittsburgh Equipment Company. (See Pulliam and Allison, assignors.)
- Pittsburgh Lamp, Brass & Glass Company. (See Ewing, Robert E., assignor.)

Alphabetical list of patentees—Continued.

- Pittsburgh Metallurgical Company. (See Plock, Albert F., assignor.)
- Pittsburgh Plate Glass Company. (See Bechtel, John A., assignor.)
- Pittsburgh Plate Glass Company. (See Heichert, Herman S., assignor.)
- Pittsburgh Plate Glass Company. (See Hitner, Harry F., assignor.)
- Pittsburgh Plate Glass Company. (See Pease, Roger S., assignor.)
- Pittsburgh Steel Co. (See Adams and Johnson, assignors.)
- Pittsburgh Steel Co. (See Mogan, Christopher J., assignor.)
- Pittsburgh Steel Products Co. (See Mogan and Brock, assignors.)
- Pittsburgh Steel Products Company. (See Bindley and Mogan, assignors.)
- Pittsburgh Steel Products Company. (See Brock, Richard E., assignor.)
- Pittsburgh Stogie and Cigar Company. (See Schmunk, George H., assignor.)
- Pittsfield Spark Coil Company. (See Frawley, James B., assignor.)
- Pittsfield Spark Coil Company. (See Mueller, Theodor M., assignor.)
- Pivarchy, John, Uniontown, Pa. Car-stopper. No. 1,122,153; Dec. 22; Gaz. vol. 209; p. 1251.
- Pixley, Charles H., Austin, assignor to F. A. Hardy & Co., Chicago, Ill. Instrument for detecting heterophoria. No. 1,091,701; Mar. 31; Gaz. vol. 200; p. 1201.
- Pixley, Charles H., Chicago, Ill., assignor to F. A. Hardy & Company. Device for measuring spectacle-bridges. No. 1,092,288; Apr. 7; Gaz. vol. 201; p. 58.
- Placot, John, Jefferson City, Mo. Insubmersible vessel. No. 1,098,297; May 26; Gaz. vol. 202; p. 1201.
- Planche, Etienne. (See Chevrolet and Planche.)
- Planchon, Victor, Lyon, France. Machine for manufacturing artificial-silk and like thread. No. 1,093,146; Apr. 14; Gaz. vol. 201; p. 386.
- Planchon, Victor, assignor to Société des Plaques et Papiers Photographiques, A. Lumière et ses Fils, Lyon, France. Photographic film. No. 1,116,479; Nov. 10; Gaz. vol. 208; p. 387.
- Planhard Manufacturing Company. (See Felske, Charles, assignor.)
- Plank, George F., Eugene, Oreg. Motor-cycle passenger-seat. No. 1,108,785; Aug. 25; Gaz. vol. 205; p. 1256.
- Plank, J. Raymond, Grand Rapids, Mich. Clutch. No. 1,096,052; May 12; Gaz. vol. 202; p. 335.
- Plank, Julius J., Kansas City, Mo. Auxiliary steam-generator. No. 1,089,076; Mar. 3; Gaz. vol. 200; p. 137.
- Plannett, William B., Denver, Colo. Reproducing outlines of a form. No. 1,115,567; Nov. 3; Gaz. vol. 208; p. 34.
- Plant, Thomas G. (See Eaton, Clarence L., assignor.)
- Plant, Thomas G., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. (Reissue.) No. 13,718; Apr. 21; Gaz. vol. 201; p. 856.
- Plant, Thomas G., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-breasting machine. No. 1,107,838; Aug. 18; Gaz. vol. 205; p. 882.
- Plant, Thomas G., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Connection-cutter. No. 1,109,176; Sept. 1; Gaz. vol. 206; p. 114.
- Plant, Thomas G., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heeling-machine. (Reissue.) No. 13,835; Dec. 1; Gaz. vol. 209; p. 304.
- Plant, Thomas G., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Work-support. No. 1,120,080; Dec. 8; Gaz. vol. 209; p. 441.
- Plant, Thomas G., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for treating insoles. No. 1,122,218; Dec. 22; Gaz. vol. 209; p. 1273.
- Plantation Equipment Company. (See Zelle, William C., assignor.)
- Plante, Gordon V., assignor to Dixie Pattern & Machine Works, Atlanta, Ga. Bending-machine. No. 1,088,619; Feb. 24; Gaz. vol. 199; p. 1192.
- Plantinga, Pierre, Cleveland, Ohio. Discharging device for vertical retorts. No. 1,109,544; Sept. 1; Gaz. vol. 206; p. 240.
- Plantinga, Pierre, Cleveland, Ohio. Apparatus for manufacturing gas. No. 1,122,634; Dec. 29; Gaz. vol. 209; p. 1456.
- Plantz, Andrew J., Appleton, Wis. Tie for railway-rails. No. 1,113,825; Oct. 13; Gaz. vol. 207; p. 537.
- Platner, Joseph F., Fresno, Cal. Automatic-feeding grease-cup. No. 1,101,092; June 23; Gaz. vol. 203; p. 1071.
- Platsch, Max, Frankfurt-on-the-Main, Germany. Making briquets. No. 1,084,479; Jan. 13; Gaz. vol. 198; p. 432.
- Platt, Arthur I., assignor to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Box-opener. No. 1,093,946; Apr. 21; Gaz. vol. 201; p. 695.
- Platt, Clarence D., Bridgeport, Conn. Hickey. No. 1,093,007; Apr. 14; Gaz. vol. 201; p. 337.
- Platt, Clarence D., Bridgeport, Conn. Panel-board cabinet. No. 1,099,268; June 9; Gaz. vol. 203; p. 350.
- Platt, Clarence D., Bridgeport, Conn. Swivel attachment-plug. No. 1,110,271; Sept. 8; Gaz. vol. 206; p. 543.
- Platt, Clarence D., Bridgeport, Conn. Separable attachment-plug. No. 1,123,002; Dec. 29; Gaz. vol. 209; p. 1586.
- Platt, Clarence D., Bridgeport, Conn., assignor to H. D. Sears, Boston, Mass. Snap socket-shell. No. 1,086,080; Feb. 3; Gaz. vol. 199; p. 180.
- Platt, Francis M., Stuart, Fla. Motor-vehicle. No. 1,097,261; May 19; Gaz. vol. 202; p. 794.
- Platt, Frank L., G. N. Hein, and R. R. Impey, San Francisco, Cal. Dental syringe. No. 1,117,701; Nov. 17; Gaz. vol. 208; p. 860.
- Platt, Haviland H. (See Reese and Platt.)
- Platt, John J., Milford, Conn. Spark-plug. No. 1,088,620; Feb. 24; Gaz. vol. 199; p. 1192.
- Platt, Oakley W., et al. (See Looker, Henry N., assignor.)
- Platt, Wilber O., assignor to Joseph Reid Gas Engine Company, Oil City, Pa. Governor. No. 1,121,201; Dec. 15; Gaz. vol. 209; p. 886.
- Playford, Sterling T., Elgin, Ill. Fuel-mixer for explosive-engines. No. 1,086,211; Feb. 3; Gaz. vol. 199; p. 223.
- Playter, Willard E., Collinsville, Ill. Bag-cleaning apparatus. No. 1,118,044; Nov. 24; Gaz. vol. 208; p. 1019.
- Playter, Willard E., Collinsville, Ill. Apparatus for collecting solids suspended in gases. No. 1,118,045; Nov. 24; Gaz. vol. 208; p. 1019.
- Pleasants, Arthur H., Baltimore, Md. Rotary time-table. No. 1,086,212; Feb. 3; Gaz. vol. 199; p. 223.
- Pleasants, Arthur H., Baltimore, Md. Computer for parcel post. No. 1,086,213; Feb. 3; Gaz. vol. 199; p. 223.
- Pleasants, Ellin C., Baltimore, Md. Hat-pin guard. No. 1,089,584; Mar. 10; Gaz. vol. 200; p. 360.
- Plecher, Andrew, Las Animas, Colo. Induction-coll. No. 1,091,589; Mar. 31; Gaz. vol. 200; p. 1162.
- Plecher, Andrew, Las Animas, Colo. Telephone-receiver. No. 1,110,228; Sept. 8; Gaz. vol. 206; p. 527.
- Pledger, Sam P., Oklahoma, Okla. Coin and ticket apparatus. No. 1,092,124; Mar. 31; Gaz. vol. 200; p. 1346.
- Pleger, Ernest W., and W. M. Wellmann, Detroit, Mich. Garment-receptacle. No. 1,119,986; Dec. 8; Gaz. vol. 209; p. 409.
- Plein, Grover, Racine, Wis. Spiral tool-driver. No. 1,107,701; Aug. 18; Gaz. vol. 205; p. 834.
- Pleiss, Paul, Chicago, Ill., assignor to Davis-Bournonville Company, New York, N. Y., and Chicago, Ill. Welding-tip. No. 1,107,346; Aug. 18; Gaz. vol. 205; p. 707.
- Plesh, Andrew, Windber, Pa. Junction-block. No. 1,111,271; Sept. 22; Gaz. vol. 206; p. 977.
- Pletsch, Henry, Chicago, Ill., assignor to Judd Laundry Machine Company, Wilmington, Del. Actuating mechanism. No. 1,113,686; Oct. 13; Gaz. vol. 207; p. 487.
- Plett, Isaac D., Steinbach, Manitoba, Canada. Pocket-holder. No. 1,083,942; Jan. 13; Gaz. vol. 198; p. 254.
- Pletz, Arthur C., Cincinnati, Ohio. Belt-shifter. No. 1,089,152; Mar. 3; Gaz. vol. 200; p. 167.
- Pleva, John, Newark, N. J. Life-boat. No. 1,096,192; May 12; Gaz. vol. 202; p. 381.
- Plice, Thomas V., assignor to W. V. B. Topping, Ashland, Ohio. Barn-door hanger part. No. 1,105,918; Aug. 4; Gaz. vol. 205; p. 116.
- Plice, Thomas V., assignor to W. V. B. Topping, Ashland, Ohio. Door-hanger. No. 1,105,919; Aug. 4; Gaz. vol. 205; p. 116.
- Plimley, Thomas, Victoria, British Columbia, Canada. Electrical foot-warmer. No. 1,083,375; Jan. 6; Gaz. vol. 198; p. 38.
- Plimpton Press. (See Adam, William J., assignor.)
- Plocher, Martin, St. Louis, Mo. Sanitary cuspidor. No. 1,105,693; Aug. 4; Gaz. vol. 205; p. 37.
- Plock, Albert F., Pittsburgh, Pa., assignor to Pittsburgh Metallurgical Company, Incorporated, Wilmington, Del. Apparatus for sintering ores. No. 1,089,153; Mar. 3; Gaz. vol. 200; p. 168.
- Plomgren, Gustaf A. T., Ardmore, and M. Gold, Philadelphia, Pa. Cigar-packaging device. No. 1,110,343; Sept. 15; Gaz. vol. 206; p. 608.
- Plotkin, Abram, Brooklyn, N. Y. Automobile-cap. No. 1,084,109; Jan. 13; Gaz. vol. 198; p. 312.
- Plotkin, Barnett, New Haven, Conn. Cigar. No. 1,121,660; Dec. 22; Gaz. vol. 209; p. 1080.
- Plowden, Arthur D., Melbourne, Fla. Band-saw. No. 1,109,458; Sept. 1; Gaz. vol. 206; p. 212.
- Plowman, Arthur S., New York, N. Y. Gas-burner. No. 1,096,389; May 12; Gaz. vol. 202; p. 450.
- Plue, William D., Rainier, assignor to Pacific Tank and Silo Company, Portland, Oreg. Roof construction. No. 1,117,600; Nov. 17; Gaz. vol. 208; p. 822.
- Plum, Matthias. (See Morrison, Lewis E., assignor.)
- Plum, Matthias. (See Morrison and Plum, assignors.)
- Plum, Stephen H., 2d. (See Morrison and Plum.)
- Plumb, George T., Johannesburg, Transvaal. Signaling system for mines and the like. No. 1,102,951; July 7; Gaz. vol. 204; p. 252.
- Plume and Atwood Manufacturing Company, The. (See Andersen, Lauritz W., assignor.)
- Plume & Atwood Manufacturing Company, The. (See Ratto, Richard C., assignor.)

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- Plummer, Francis M., Lyle, Wash. Gate. No. 1,095,924; May 5; Gaz. vol. 202; p. 254.
- Plummer, Harry E., Lisbon Falls, Me. Snow-scraper. No. 1,100,197; June 16; Gaz. vol. 203; p. 708.
- Plummer, Henry L., and C. D. Witherspoon, assignors to Virginia Trunk and Bag Company, Petersburg, Va. Lid for wardrobe-trunks. No. 1,114,383; Oct. 20; Gaz. vol. 207; p. 772.
- Plummer, Oscar D., G. H. Hausser, and E. A. Warner, Altoona, Pa. Electric signaling mechanism. No. 1,105,829; Aug. 4; Gaz. vol. 205; p. 85.
- Plummer, William T. (See Randall, William F., assignor.)
- Plunkett, Charles L., Brooklyn, N. Y. Couch, couch-bed, davenport, &c. No. 1,099,515; June 9; Gaz. vol. 203; p. 436.
- Plunkett, Charles L., New York, assignor to American Couch Company, Brooklyn, N. Y. Stamped-steel couch-bed. No. 1,099,514; June 9; Gaz. vol. 203; p. 435.
- Plunkett, Henry D., Center, Miss. Baling-press. No. 1,116,114; Nov. 3; Gaz. vol. 208; p. 222.
- Plymire, Fred A. (See Rimmer, Plymire, and Wills.)
- Plymouth Cordage Company. (See Stegmaier, Philip M., assignor.)
- Pneumatic Conveyor Company. (See Lob, Guido E., assignor.)
- Pneumatic Scale Corporation. (See Doble, William H., assignor.)
- Pneumatic Scale Corporation. (See Doble and Field, assignors.)
- Pneumatic Tube Appliance Company. (See Stoetzel, Joseph J., assignor.)
- Pneumelectric Machine Company, The. (See Wagner, John L., assignor.)
- Poalk, James L., Jenkintown, Pa. Sad-iron. No. 1,089,667; Mar. 10; Gaz. vol. 200; p. 389.
- Pochodzaj, John, Pawtucket, R. I. Garment-lock. No. 1,113,687; Oct. 13; Gaz. vol. 207; p. 487.
- Pochwadt, Adolf, Berlin-Schöneberg, Germany. Artificial denture. No. 1,094,746; Apr. 28; Gaz. vol. 201; p. 1030.
- Pocket Umbrella Company, The. (See Eklund, Isak, assignor.)
- Podgoursky, Nicholas, St. Petersburg, Russia. Water-level indicator. No. 1,092,388; Apr. 7; Gaz. vol. 201; p. 90.
- Podlešák, Emil, Tiffin, Ohio. Magneto-machine. No. 1,098,052; May 26; Gaz. vol. 202; p. 1116.
- Podlešák, Emil, Tiffin, Ohio. Electric generator for ignition systems. No. 1,098,753; June 2; Gaz. vol. 203; p. 135.
- Podlešák, Emil, Tiffin, Ohio. Inductor-alternator. No. 1,098,754; June 2; Gaz. vol. 203; p. 135.
- Podlesak, Emil, Tiffin, Ohio. Ignition device for explosive-engines. No. 1,101,956; June 30; Gaz. vol. 203; p. 1421.
- Podmanicky, Frank. (See Mezei and Podmanicky.)
- Podolsky, Jacob, Boston, Mass. Antisiphon device for kitchen-range boilers. No. 1,117,702; Nov. 17; Gaz. vol. 208; p. 860.
- Podszus, Emil, Rixdorf, near Berlin, Germany. Electric vapor arc-lamp. No. 1,116,480; Nov. 10; Gaz. vol. 208; p. 387.
- Poe, John F., Oklahoma, Okla. Weather-strip. No. 1,101,710; June 30; Gaz. vol. 203; p. 1333.
- Poege, Max, Jr., Glauchau, Germany. Knotting appliance. No. 1,099,128; June 2; Gaz. vol. 203; p. 257.
- Poehlman, Henry E., assignor of one-half to J. W. Fricke, San Francisco, Cal. Toy. No. 1,107,183; Aug. 11; Gaz. vol. 205; p. 601.
- Poelma, Richard W. (See Sorum, Herman F., assignor.)
- Poenicke, Walter, Delitzsch, Germany. Tree-band. No. 1,101,145; June 23; Gaz. vol. 203; p. 1089.
- Poeppel, Emil, Chicago, Ill. Bedpost-fastening. No. 1,106,677; Aug. 11; Gaz. vol. 205; p. 426.
- Poeth, Max, assignor of one-half to F. Butz, Denver, Colo. Car-coupling adjuster. No. 1,091,956; Mar. 31; Gaz. vol. 200; p. 1290.
- Poetter, Heinrich, Dusseldorf, Germany. Gas-producer. No. 1,097,141; May 19; Gaz. vol. 202; p. 753.
- Poetter, Heinrich, Dusseldorf, Germany. Furnace provided with regenerative chambers. No. 1,100,985; June 23; Gaz. vol. 203; p. 1033.
- Poetter, Heinrich, Dusseldorf, Germany. Lubricating device for axle-bearings. No. 1,104,002; July 21; Gaz. vol. 204; p. 705.
- Poff, Blan, Tulia, Tex. Draft attachment for cultivators. No. 1,099,817; June 9; Gaz. vol. 203; p. 539.
- Poffenbarger, William L., St. Louis, Mo., assignor to Pyram Bottle Manufacturing Company. Paper container. No. 1,103,374; July 14; Gaz. vol. 204; p. 447.
- Poffinbarger, Henry, Toledo, Ohio. Spring-forming machine. No. 1,118,046; Nov. 24; Gaz. vol. 208; p. 1020.
- Pogue, Henry W., Decatur, Ill. Creasing-iron. No. 1,095,925; May 5; Gaz. vol. 202; p. 254.
- Pogue, Robert H., New Westminster, British Columbia, Canada. Street-car fender. No. 1,094,244; Apr. 21; Gaz. vol. 201; p. 795.
- Pohl, Eduard, Rhöndorf-on-the-Rhine, Germany. Making sintered magnesite and dolomite. No. 1,103,375; July 14; Gaz. vol. 204; p. 447.
- Pohl, Heinrich. (See Grüter and Pohl.)
- Pohler, Paul R., Detroit, Mich. Automobile-lock. No. 1,118,580; Nov. 24; Gaz. vol. 208; p. 1207.
- Pohndorf, Joseph, assignor of one-third to M. J. English, Butte, Mont. Extension-table. No. 1,114,513; Oct. 20; Gaz. vol. 207; p. 821.
- Pohrer, Henry F., St. Louis, Mo. Composition of matter. No. 1,091,863; Mar. 31; Gaz. vol. 200; p. 1260.
- Pohrer, William J., St. Louis, Mo. Suitcase-carrier. No. 1,099,933; June 16; Gaz. vol. 203; p. 616.
- Poindexter, William B., assignor of one-half to U. S. Jenkins, Chicago, Ill. Radiator vent-valve. No. 1,106,475; Aug. 11; Gaz. vol. 205; p. 354.
- Pointon, George, Toronto, Ontario, Canada. Abrading device for grinding-machines. No. 1,100,612; June 16; Gaz. vol. 203; p. 848.
- Pointon, James, Birkdale, England. Air-impregnator. No. 1,120,848; Dec. 15; Gaz. vol. 209; p. 761.
- Poirier, Dolphis. (See Tellier, Jérémie, assignor.)
- Poisson, Joseph, Fall River, assignor to Draper Company, Hopedale, Mass. Building-motion for ring-spinning machines. No. 1,091,015; Mar. 24; Gaz. vol. 200; p. 925.
- Pokorny, Anton, Milwaukee, Wis. Folding box. No. 1,111,673; Sept. 22; Gaz. vol. 206; p. 1115.
- Poland, Edward F., Boston, Mass. Centrifugal extractor. No. 1,094,589; Apr. 28; Gaz. vol. 201; p. 971.
- Poland, Edward F., Boston, Mass. Hydro-extractor. No. 1,094,590; Apr. 28; Gaz. vol. 201; p. 972.
- Poland, Ephraim W., Galesburg, Ill. Mattress-retainer. No. 1,090,875; Mar. 24; Gaz. vol. 200; p. 877.
- Poland, Sprigg, Olney, Ill. Rewinder. No. 1,108,619; Aug. 25; Gaz. vol. 205; p. 1201.
- Polansky, Abraham, Bayonne, N. J. Bed-joint. No. 1,099,764; June 9; Gaz. vol. 203; p. 521.
- Polar Gas Company. (See Dougherty, William A., assignor.)
- Pole, Joseph C., New York, N. Y., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Rectifier for lamps. No. 1,110,644; Sept. 15; Gaz. vol. 206; p. 715.
- Pole, Joseph C., New York, N. Y., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Mercury-vapor apparatus. No. 1,110,645; Sept. 15; Gaz. vol. 206; p. 715.
- Poler, John W., Takoma Park, Md., assignor to Molyneux Mailing Machines Company, Buffalo, N. Y. Machine for preparing mail-matter for posting. No. 1,090,499; Mar. 17; Gaz. vol. 200; p. 719.
- Polhemus, Henry A., Buffalo, N. Y. Portable enameling-oven. No. 1,109,545; Sept. 15; Gaz. vol. 206; p. 240.
- Polick, William V., Tacoma, Wash. Railway-tie. No. 1,110,229; Sept. 8; Gaz. vol. 206; p. 528.
- Polizzi, Joseph R., New Orleans, La. Flying-machine. No. 1,117,901; Nov. 17; Gaz. vol. 208; p. 929.
- Polk, Robert T., Smiths Turn Out, S. C. Vending-machine. No. 1,104,271; July 21; Gaz. vol. 204; p. 798.
- Pollacek, Henry J. (See Deignan and Pollacek.)
- Pollak, Anton, Paris, France. Device for the photographic registration of vibrations in line form. No. 1,092,594; Apr. 7; Gaz. vol. 201; p. 162.
- Pollak, Jacques. (See Hume, Walter E., assignor.)
- Pollak, Leopold, Aussig, Austria-Hungary, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Compound for tanning skins and process of making them. No. 1,107,107; Aug. 11; Gaz. vol. 205; p. 572.
- Pollard-Alling Manufacturing Company. (See De Minico, Frank, assignor.)
- Pollard, Charles E., Johannesburg, Transvaal, South Africa. Two-speed gearing. No. 1,122,301; Dec. 29; Gaz. vol. 209; p. 1342.
- Pollard, Charles P., Woburn, Mass., assignor of one-half to E. B. Parker, Wilton, N. H. Receptacle-carrier. No. 1,108,229; Aug. 25; Gaz. vol. 205; p. 1065.
- Pollard, Effingham L., Dobbs Ferry, N. Y. Drinking-fountain. No. 1,090,876; Mar. 24; Gaz. vol. 200; p. 877.
- Pollard, Effingham L., Dobbs Ferry, N. Y. Paste-distributor. No. 1,117,238; Nov. 17; Gaz. vol. 208; p. 697.
- Pollard, Frédéric A., Parc St. Maur, France. Apparatus for refrigerating by means of liquefied gas. No. 1,091,957; Mar. 31; Gaz. vol. 200; p. 1291.
- Pollard, Frédéric A., Parc St. Maur, France. Apparatus for the automatic regulation of refrigerating-machines. No. 1,120,159; Dec. 8; Gaz. vol. 209; p. 470.
- Pollard, Marion M., Dobbs Ferry, N. Y. Hair-curler. No. 1,090,341; Mar. 17; Gaz. vol. 200; p. 662.
- Pollard, Walter S., Philadelphia, Pa. Respirator. No. 1,111,858; Sept. 29; Gaz. vol. 206; p. 1218.
- Pollinger, Isidore, Boston, Mass. Horseshoe. No. 1,083,889; Jan. 6; Gaz. vol. 198; p. 204.
- Pollitt, Flor S., Cincinnati, Ohio. Vending device. No. 1,112,550; Oct. 6; Gaz. vol. 207; p. 49.
- Pollock, Benjamin P., Appleton, Wis. Hotel-range. No. 1,086,849; Feb. 10; Gaz. vol. 199; p. 490.
- Pollock, Benjamin P., assignor of one-half to C. E. Krebs, Chicago, Ill. Mop-head. No. 1,105,533; July 28; Gaz. vol. 204; p. 1288.
- Pollock, Benjamin P., assignor of one-half to C. E. Krebs, Chicago, Ill. Mop. No. 1,113,164; Oct. 6; Gaz. vol. 207; p. 260.
- Pollock, Leo C., et al. (See Pugh, Milton E., assignor.)

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- Pollock, Robert H., assignor to New Jersey Vending Machine Company, Plainfield, N. J. Vending-machine. No. 1,098,399; June 2; Gaz. vol. 203; p. 14.
- Pollock, Samuel H., Rocky Ford, Colo. Artificial tooth. No. 1,099,393; June 9; Gaz. vol. 203; p. 395.
- Pollock, Samuel M., deceased, Dugout, W. Va.; W. M. Pollock, administrator. Determining percentages and making test runs in milling wheat and other grains. No. 1,117,963; Nov. 17; Gaz. vol. 208; p. 950.
- Pollock, William M., administrator. (See Pollock, Samuel M.)
- Polo, Joseph B., Clear Lake, S. D. Alarm for pneumatic tires. No. 1,091,016; Mar. 24; Gaz. vol. 200; p. 926.
- Polson, Nels E., and H. R. Paulson, La Grange, Ill. Safety attachment for automobiles. No. 1,112,551; Oct. 6; Gaz. vol. 207; p. 50.
- Polverino, Giuseppe, New York, N. Y. Hinge. No. 1,084,480; Jan. 13; Gaz. vol. 198; p. 432.
- Polverino, Giuseppe, New York, N. Y. Picture-holder. No. 1,104,219; July 21; Gaz. vol. 204; p. 781.
- Polyanich, Anton B., Truckee, Cal. Tag or check. No. 1,089,956; Mar. 10; Gaz. vol. 200; p. 488.
- Polygraph Duplicating Typewriter Company. (See Fanslow, Benjamin O., assignor.) (Reissue.)
- Polyphon-Musikwerke Aktiengesellschaft. (See Maurer, Karl A., assignor.)
- Polzin, Frederick A., Audubon, Iowa. Plow. No. 1,120,531; Dec. 8; Gaz. vol. 209; p. 602.
- Pomerantz, Isidor, assignor to P. S. Delany, Kansas City, Mo. Ventilator. No. 1,116,625; Nov. 10; Gaz. vol. 208; p. 443.
- Pomeroy, Edward S., assignor to Smith & Wesson, Springfield, Mass. Firearm. No. 1,122,635; Dec. 29; Gaz. vol. 209; p. 1457.
- Pomeroy, George W., Butte, Mont. Mail-bag catcher and deliverer. No. 1,094,095; Apr. 21; Gaz. vol. 201; p. 745.
- Pomeroy, James W. (See Todd and Pomeroy.)
- Pomeroy Novelty Company, The. (See Nelson, Elza A., assignor.)
- Pomeroy, Silas H., *et al.* (See Cotton, Howard W., assignor.)
- Pomije, Henry D., Olivia, Minn. Sparking plug for explosive-engines. No. 1,086,850; Feb. 10; Gaz. vol. 199; p. 491.
- Pommerhantz, Gustav, Belvedere, Austria-Hungary, assignor to Standard Chemical Company, Bayonne, N. J. Electrically-conducting lubricant. No. 1,118,148; Nov. 24; Gaz. vol. 208; p. 1054.
- Pomplin, Robert J., Newport, N. D. Pelt-stretcher. No. 1,099,394; June 9; Gaz. vol. 203; p. 396.
- Ponarouse, George, assignor to Standard Gas Generator Co., San Francisco, Cal. Carbureter. No. 1,116,325; Nov. 3; Gaz. vol. 208; p. 292.
- Pond, Clarke P., Philadelphia, Pa. Power-house construction. No. 1,114,514; Oct. 20; Gaz. vol. 207; p. 821.
- Pond, Dana W., assignor to Diamond Machine Company, Providence, R. I. Metal-working machine. No. 1,090,342; Mar. 17; Gaz. vol. 200; p. 662.
- Pond, Delos F. (See Marsh, Charles P., assignor.)
- Pond, Edmund M., Rutland, Vt. Portable wardrobe. No. 1,111,233; Sept. 22; Gaz. vol. 206; p. 964.
- Pond, Lester G., Seekonk, Mass., assignor to T. W. Foster, Providence, R. I. Carbureter. No. 1,096,750; May 12; Gaz. vol. 202; p. 571.
- Pond, William H., Providence, R. I. Lifting-pulley. No. 1,084,292; Jan. 13; Gaz. vol. 198; p. 373.
- Pond, Willis M., Crete, Nebr. Hitching device. No. 1,094,014; Apr. 21; Gaz. vol. 201; p. 718.
- Pondelick, Leo, Chicago, Ill. Roller-bearing. No. 1,121,661; Dec. 22; Gaz. vol. 209; p. 1080.
- Poniatowski, Wladyslaw, Camden, N. J. Driving-gearing. No. 1,107,108; Aug. 11; Gaz. vol. 205; p. 572.
- Pons, Anthony O. (See Moise and Pons.)
- Pons, Frederic. (See Ross, John A., assignor.)
- Pons, Paul, and C. Archambault, Sylvan Lake, Alberta, Canada. Perculator. No. 1,115,451; Oct. 27; Gaz. vol. 207; p. 1199.
- Ponsiglione, Attilio A., New York, and A. D. Anderson, Harrison, N. Y. Piano music-desk. No. 1,090,343; Mar. 17; Gaz. vol. 200; p. 663.
- Pontbriand, Gilbert, West Warren, Mass. Hydrocarbon-burner. No. 1,113,826; Oct. 13; Gaz. vol. 207; p. 537.
- Pontiere, Stanley M. (See Powell and Pontiere.)
- Ponting, Claude C., Medford, Oreg. Electric steam-heater. No. 1,087,607; Feb. 17; Gaz. vol. 199; p. 802.
- Pontious, Oliver E., assignor to W. E. Brown and C. Payne, Toledo, Ohio. Kitchen-fork. No. 1,083,296; Jan. 6; Gaz. vol. 198; p. 13.
- Ponton, Arthur, Murdock, Ill. Bed-spring tightener. No. 1,089,007; Mar. 3; Gaz. vol. 200; p. 114.
- Pool, Charles R. P., Dallas, Tex. Press-head-operating apparatus. No. 1,089,008; Mar. 3; Gaz. vol. 200; p. 114.
- Pool, Elmer C., New Castle, Pa., assignor to Toledo Scale Company, Toledo, Ohio. Scale. No. 1,109,359; Sept. 1; Gaz. vol. 206; p. 179.
- Pool, Jesse E., Wetumka, Okla. Music-turner. No. 1,097,463; May 19; Gaz. vol. 202; p. 864.
- Poole, Alfred W., Covina, Cal. Adjustable head for plows. No. 1,099,516; June 9; Gaz. vol. 203; p. 436.
- Poole, Arthur F., Chicago, Ill. Speedometer. No. 1,110,143; Sept. 8; Gaz. vol. 206; p. 499.
- Poole, Arthur F., Chicago, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Accounting system. No. 1,084,660; Jan. 20; Gaz. vol. 198; p. 522.
- Poole, Arthur F., Chicago, assignor to L. A. Williams, Evanston, Ill. Accounting system. No. 1,084,661; Jan. 20; Gaz. vol. 198; p. 522.
- Poole, Arthur F., Chicago, Ill., assignor, by mesne assignments, to Wahl Adding Machine Company, Wilmington, Del. Calculating-machine. No. 1,085,757; Feb. 3; Gaz. vol. 199; p. 64.
- Poole, Cecil P., South Orange, N. J., assignor, by mesne assignments, to Engineering Development Company. Automatic regulation for electrical apparatus. No. 1,112,833; Oct. 6; Gaz. vol. 207; p. 148.
- Poole, Charles C., Winnetka, assignor to The Oliver Typewriter Company, Chicago, Ill. Column-stop mechanism for type-writing machines. No. 1,110,144; Sept. 8; Gaz. vol. 206; p. 500.
- Poole, Edward P., Connellsville, Pa. Tapping-valve. No. 1,112,093; Sept. 29; Gaz. vol. 206; p. 1296.
- Poole, Elmer E., Boston, Mass. Combination tail-light, sign-plate, and holder therefor for vehicles. No. 1,087,548; Feb. 17; Gaz. vol. 199; p. 782.
- Poole, Fred, Jewell City, Kans. Playing-cards. No. 1,101,711; June 30; Gaz. vol. 203; p. 1333.
- Poole, G. Deaton, *et al.* (See Waddell, Edward B., Jr., assignor.)
- Poole, John C., Cummings, Ga. Moldboard for plows. No. 1,099,765; June 9; Gaz. vol. 203; p. 521.
- Poole, Robert M., Mount Gambier, South Australia, Australia. Apparatus for manufacturing wood-gas. No. 1,085,389; Jan. 27; Gaz. vol. 198; p. 810.
- Poole, Robert M., Mount Gambier, South Australia, Australia. Manufacturing illuminating and fuel gases from wood. No. 1,093,470; Apr. 14; Gaz. vol. 201; p. 494.
- Poole, Staley D., assignor to Deere & Company, Moline, Ill. Plow. No. 1,112,148; Sept. 29; Gaz. vol. 206; p. 1314.
- Poole, Staley D., Moline, Ill., assignor to Deere & Co. Cultivator. No. 1,116,839; Nov. 10; Gaz. vol. 208; p. 518.
- Poole, William E., Chicago, Ill. Storage battery. No. 1,114,802; Oct. 27; Gaz. vol. 207; p. 972.
- Poole, William E., assignor to Rex Battery Company, Chicago, Ill. Storage battery. No. 1,115,018; Oct. 27; Gaz. vol. 207; p. 1050.
- Pooley, Edward F., Philadelphia, Pa. Drawer-guide. No. 1,091,079; Mar. 24; Gaz. vol. 200; p. 947.
- Poor, Henry M., Amelia, Ohio. Switch-signal apparatus. No. 1,119,871; Dec. 8; Gaz. vol. 209; p. 369.
- Poore, John C., Chicago, Ill. Nipple for nursing-bottles. No. 1,095,969; May 5; Gaz. vol. 202; p. 269.
- Pope, Charles E., assignor of three-fifths to Japanese Tissue Mills, Holyoke, Mass. Drying and surface-finishing paper. No. 1,113,908; Oct. 13; Gaz. vol. 207; p. 565.
- Pope, Charles E., and R. S. Phillips, Cleveland, Ohio; said Phillips assignor to said Pope. Hanger for arc-lamps. No. 1,120,160; Dec. 8; Gaz. vol. 209; p. 470.
- Pope, Charles J. (See Monohan and Pope.)
- Pope, Ella M., *et al.* (See Pope, Frederick and G. M., assignors.)
- Pope, Frank, and E. E. Randall, Kankakee, assignors to Paramount Knitting Co., Chicago, Ill. Knitting-machine needle. No. 1,096,945; May 19; Gaz. vol. 202; p. 683.
- Pope, Frank, and E. E. Randall, Kankakee, assignors to Paramount Knitting Company, Chicago, Ill. Knitting-machine. No. 1,096,946; May 19; Gaz. vol. 202; p. 684.
- Pope, Frederick, New York, N. Y., and G. M. Pope, Mount Pleasant, Ga.; said G. M. Pope assignor to E. M. Pope, Boston, Mass.; said Frederick Pope assignor to Southern Manufacturing Company, Pittsburgh, Pa. Distilling wood. No. 1,085,875; Feb. 3; Gaz. vol. 199; p. 105.
- Pope, George M. (See Pope, Frederick and G. M.)
- Pope, Henry F., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,109,246; Sept. 1; Gaz. vol. 206; p. 139.
- Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating upon heels. No. 1,086,214; Feb. 3; Gaz. vol. 199; p. 223.
- Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for stacking heel-blanks. No. 1,088,720; Mar. 3; Gaz. vol. 200; p. 17.
- Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-attaching machine. No. 1,104,826; July 28; Gaz. vol. 204; p. 1040.
- Pope, Joseph H., South Hamilton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for stacking heel-blanks. No. 1,088,721; Mar. 3; Gaz. vol. 200; p. 17.
- Pope, Joseph H., Brockton, assignor to United Shoe Machinery Company, Boston, Mass. Jack for heel-nailing machines. No. 1,090,228; Mar. 17; Gaz. vol. 200; p. 623.

Alphabetical list of patentees—Continued.

- Pope Manufacturing Company, The. (See Beckwith, Daniel P., assignor.)
- Pope, Ralph W. (See Van Hovenberg and Pope.)
- Pope, Thomas E., Sayre, Okla. Ironing-table. No. 1,098,682; June 2; Gaz. vol. 203; p. 111.
- Popoff, Nikolai N., *et al.* (See Jurschewitz, Paul A. W., assignor.)
- Popp, Louis C. G., Huntington Station, N. Y. Building-block. No. 1,094,928; Apr. 28; Gaz. vol. 201; p. 1091.
- Poppe, Peter A., Coventry, England. Lubrication of internal-combustion engines. No. 1,118,047; Nov. 24; Gaz. vol. 208; p. 1020.
- Poppenhusen, Hermann A., Evanston, Ill. Furnace. No. 1,114,803; Oct. 27; Gaz. vol. 207; p. 972.
- Porcela-Radax Company. (See Welwood, Eugene D., assignor.)
- Porcher, Erward P., Cocoa, Fla. Truck. No. 1,122,801; Dec. 29; Gaz. vol. 209; p. 1515.
- Foremski, Joseph, *et al.* (See Hughes, Hugh T., assignor.)
- Porges, Philipp, Vienna, Austria-Hungary. Refrigerating device for railway-cars. No. 1,093,075; Apr. 14; Gaz. vol. 201; p. 361.
- Porges, Philipp, Vienna, assignor of one-half to L. Steinschneider, Brunn, Austria-Hungary. Filter-plate. No. 1,091,080; Mar. 24; Gaz. vol. 200; p. 948.
- Porrello, Giuseppe, Brooklyn, N. Y. Washing-machine. No. 1,120,532; Dec. 8; Gaz. vol. 209; p. 603.
- Porritt, Benjamin D., assignor to The North British Rubber Company Limited, Edinburgh, Scotland. Balloon fabric and the like. No. 1,118,149; Nov. 24; Gaz. vol. 208; p. 1055.
- Pörscke, Heinrich P. R. L., and J. A. E. Achenbach, Hamburg, Germany. Negative electrode for alkaline secondary batteries. No. 1,096,751; May 12; Gaz. vol. 202; p. 572.
- Pörscke, Heinrich P. R. L., and J. A. E. Achenbach, Hamburg, Germany. Secondary galvanic battery. No. 1,119,313; Dec. 1; Gaz. vol. 209; p. 142.
- Port, Charles A., assignor of one-fourth to F. Catchpole, one-fourth to D. E. Motz, and one-fourth to J. E. O'Neal, Pagosa Springs, Colo. Gasolene-filter. No. 1,083,757; Jan. 6; Gaz. vol. 198; p. 165.
- Port, Samuel R., Martinsville, Ind. Receptacle-cover. No. 1,090,565; Mar. 17; Gaz. vol. 200; p. 742.
- Porteous, James, Fresno, Cal. Traction-wheel. No. 1,106,841; Aug. 11; Gaz. vol. 205; p. 483.
- Porteous, James, Fresno, Cal. Traction-wheel. No. 1,106,842; Aug. 11; Gaz. vol. 205; p. 483.
- Porteous, James, Fresno, Cal. Traction-wheel. No. 1,115,019; Oct. 27; Gaz. vol. 207; p. 1050.
- Porter, Alice D., Baldwin, Kans. Paper-lined cooking-basket. No. 1,098,053; May 26; Gaz. vol. 202; p. 1116.
- Porter, Alonzo, Maquoketa, Iowa. Valve for vacuum heating systems. No. 1,086,215; Feb. 3; Gaz. vol. 199; p. 224.
- Porter, Alonzo L., Chicago, Ill. Roller-skate. No. 1,116,840; Nov. 10; Gaz. vol. 208; p. 518.
- Porter, Byron, Morgan, Utah. Fence-wire tool. No. 1,113,372; Oct. 13; Gaz. vol. 207; p. 378.
- Porter, Cutler T., Spokane, Wash. Fan-wheel. No. 1,091,702; Mar. 31; Gaz. vol. 200; p. 1201.
- Porter, Elsie O., administratrix. (See Porter John F.)
- Porter, Firmly F., Dell Rapids, S. D. Truck. No. 1,099,395; June 9; Gaz. vol. 203; p. 396.
- Porter, Frederick W. H., Quebec, Quebec, Canada, assignor to C. H. A. F. L. Ross, county of Ross, Scotland. Sight for firearms. No. 1,089,009; Mar. 3; Gaz. vol. 200; p. 115.
- Porter, George F., Walkerville, Ontario, Canada. Apparatus for filing sheets. No. 1,099,665; June 9; Gaz. vol. 203; p. 487.
- Porter, Glen M., Chicago, Ill. Helical conveyer. No. 1,113,688; Oct. 13; Gaz. vol. 207; p. 488.
- Porter, Guy E., Buffalo, N. Y. Heating regulation. No. 1,122,419; Dec. 29; Gaz. vol. 209; p. 1380.
- Porter, James A., Birmingham, Ala. Sizing. No. 1,117,902; Nov. 17; Gaz. vol. 208; p. 929.
- Porter, James E., Syracuse, assignor to General Filtration Company, Inc., Rochester, N. Y. Filtering medium. No. 1,117,601; Nov. 17; Gaz. vol. 208; p. 822.
- Porter, James E., Syracuse, assignor to General Filtration Company, Inc., Rochester, N. Y. Filtering medium. No. 1,118,441; Nov. 24; Gaz. vol. 208; p. 1159.
- Porter, James R., Holborn, London, England. Aeronautical machine. No. 1,104,542; July 21; Gaz. vol. 204; p. 894.
- Porter, James S., Buffalo, N. Y. Bottle-stopper. No. 1,102,296; July 7; Gaz. vol. 204; p. 26.
- Porter, John F., deceased, Portland, Oreg.; E. O. Porter, administratrix. Advertising-machine. No. 1,112,656; Oct. 6; Gaz. vol. 207; p. 88.
- Porter, Joseph H., Worton, Md. Harrow and land-leveler. No. 1,112,474; Oct. 6; Gaz. vol. 207; p. 21.
- Porter, Joseph W., Marysville, Cal. Excavating-bucket. No. 1,084,662; Jan. 20; Gaz. vol. 198; p. 523.
- Porter, Joseph Y., Detroit, Mich. Trolley-catcher. No. 1,122,420; Dec. 29; Gaz. vol. 209; p. 1380.
- Porter, Lincoln L., Oskaloosa, Iowa. Carpet-cleaning machine. No. 1,119,114; Dec. 1; Gaz. vol. 209; p. 75.
- Porter, Robb S., Charleston, W. Va. Hypodermic syringe. No. 1,093,471; Apr. 14; Gaz. vol. 201; p. 495.
- Porter, Thomas. (See Beardslee, Robert W., assignor.)
- Porter, Thomas W., Tuxedo Park, N. Y., assignor to The Patent Button Company, Waterbury, Conn. Double-loop buckle. No. 1,086,614; Feb. 10; Gaz. vol. 199; p. 408.
- Porter, Thomas W., Tuxedo Park, N. Y., assignor to The Patent Button Company, Waterbury, Conn. Loop-buckle. No. 1,086,615; Feb. 10; Gaz. vol. 199; p. 408.
- Porter, William A. V., New York, N. Y. Combined shipping and display carton. No. 1,120,238; Dec. 8; Gaz. vol. 209; p. 498.
- Porter, William K., Pittsburgh, Pa. Indicator. No. 1,087,824; Feb. 17; Gaz. vol. 199; p. 877.
- Porter, William S., Binghamton, assignor to S. Cheney & Son, Manlius, N. Y. Grinder. No. 1,119,723; Dec. 1; Gaz. vol. 209; p. 282.
- Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Chronograph or stop watch. No. 1,089,865; Mar. 10; Gaz. vol. 200; p. 456.
- Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Clock. No. 1,089,866; Mar. 10; Gaz. vol. 200; p. 456.
- Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Keyless automobile-clock. No. 1,100,443; June 16; Gaz. vol. 203; p. 793.
- Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Rim-winding keyless clock. No. 1,102,798; July 7; Gaz. vol. 204; p. 201.
- Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Stem-winding and stem-setting watch. No. 1,107,839; Aug. 18; Gaz. vol. 205; p. 882.
- Porter, Zenos, Holliday, Utah. Plow. No. 1,113,047; Oct. 6; Gaz. vol. 207; p. 219.
- Porth, John J., New York, N. Y. Extension-platform for curved railway-stations. No. 1,098,298; May 26; Gaz. vol. 202; p. 1201.
- Portland Gold Mining Company. (See Clancy, John C., assignor.)
- Portland Gold Mining Company. (See Crowe, Thomas B., assignor.)
- Portland Iron Works. (See McClure and Wolff, assignors.)
- Portmore, Thomas G., assignor to Dennison Manufacturing Company, South Framingham, Mass. Baggage-check. No. 1,089,154; Mar. 3; Gaz. vol. 200; p. 168.
- Pos, Gerrit M. E., Amsterdam, Netherlands. Device for the production of fibers from plants. No. 1,089,261; Mar. 3; Gaz. vol. 200; p. 201.
- Positive Supply Company. (See Benson, Joseph S., assignor.)
- Positive Supply Company. (See Coyner, Robert G., assignor.)
- Pospychala, Anthony A., Whiting, Ind. Utensil-lifter. No. 1,112,475; Oct. 6; Gaz. vol. 207; p. 21.
- Posselt, Ejnar, Denver, Colo. Grinding-plate. No. 1,109,459; Sept. 1; Gaz. vol. 206; p. 212.
- Possner, Albert W. (See Possner, Herman G. and A. W.)
- Possner, Herman G. and A. W., Providence, R. I. Crank-handle holder for automobiles. No. 1,108,230; Aug. 25; Gaz. vol. 205; p. 1065.
- Posson, Edward, Chicago, Ill. Angle-cock holder. No. 1,083,337; Jan. 6; Gaz. vol. 198; p. 26.
- Posson, Edward, Chicago, Ill. Railway tank-car. No. 1,095,350; May 5; Gaz. vol. 202; p. 61.
- Posson, Edward, Chicago, Ill. Six-wheeled truck. No. 1,095,351; May 5; Gaz. vol. 202; p. 61.
- Posson, Edward, Chicago, Ill. Ventilator for dining-car kitchens. No. 1,097,671; May 26; Gaz. vol. 202; p. 980.
- Posson, Edward, Chicago, Ill. Car-door. No. 1,110,458; Sept. 15; Gaz. vol. 206; p. 650.
- Posson, Edward, Chicago, Ill. Tie-plate. No. 1,111,092; Sept. 22; Gaz. vol. 206; p. 914.
- Posson, Edward, Chicago, Ill. Outside metal roof for cars. No. 1,112,318; Sept. 29; Gaz. vol. 206; p. 1374.
- Posson, Edward, Chicago, Ill. Car-door. No. 1,116,728; Nov. 10; Gaz. vol. 208; p. 477.
- Posson, Edward, Chicago, assignor to F. E. Posson, Park Ridge, Ill. Parcel-rack. No. 1,105,830; Aug. 4; Gaz. vol. 205; p. 86.
- Posson, Fay E. (See Posson, Edward, assignor.)
- Possons, Minard A., Cleveland, Ohio. Gramophone needle or stylus. No. 1,103,829; July 14; Gaz. vol. 204; p. 606.
- Possons, Minard A., Cleveland, Ohio. Automatic turning device. No. 1,121,395; Dec. 15; Gaz. vol. 209; p. 952.
- Post, Claude L., Chicago, Ill. Water-heater. No. 1,107,548; Aug. 18; Gaz. vol. 205; p. 778.
- Post Dater Stamp Company, The. (See Post, Thomas R., assignor.)
- Post, Edward C. (See Raabe, Walter, assignor.)
- Post-Haste Card Systems Company, The. (See Struble, Robert D., assignor.)
- Post, Marion S., and T. La Fayette, Middletown, Ohio. Attachment for pool-tables. No. 1,089,262; Mar. 3; Gaz. vol. 200; p. 201.
- Post, Nathaniel B., Chicago, Ill. Corn-popping machine. No. 1,109,247; Sept. 1; Gaz. vol. 206; p. 139.

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- Post, Thomas R., assignor to The Post Dater Stamp Company, Wilmington, N. C. Dating-stamp. No. 1,086,851; Feb. 10; Gaz. vol. 199; p. 491.
- Post, Thomas R., assignor to The Post Dater Stamp Company, Wilmington, N. C. Dating-stamp. No. 1,086,852; Feb. 10; Gaz. vol. 199; p. 491.
- Post, Welles M., Elizabeth, N. J. Intermediate support for bond-wires and nut-locks. No. 1,089,787; Mar. 10; Gaz. vol. 200; p. 429.
- Post, Wilhelm. (See Bühren, Walther, assignor.)
- Post, Willis H., assignor to Postum Cereal Co., Limited, Battle Creek, Mich. Beverage extract. No. 1,098,683; June 2; Gaz. vol. 203; p. 112.
- Postal Telegraph-Cable Company. (See Powers, William O., Jr., assignor.)
- Poston, John W., Blossom, S. C. Leaf-lifting attachment for plows. No. 1,094,096; Apr. 21; Gaz. vol. 201; p. 745.
- Postum Cereal Co. (See Post, Willis H., assignor.)
- Postum Cereal Company. (See Martin, Frank B., assignor.)
- Poteat, James K., Durham, N. C. Finger attachment. No. 1,091,892; Mar. 31; Gaz. vol. 200; p. 1269.
- Pöthig, Reinhold, Glashütte, Germany. Calculating-machine. No. 1,085,480; Jan. 27; Gaz. vol. 198; p. 839.
- Poths, Friedrich J., Hamburg, Germany. Bottle-closure. No. 1,105,831; Aug. 4; Gaz. vol. 205; p. 86.
- Potoczky, Joseph. (See Danko and Potoczky.)
- Potolsky, Anton, St. Louis, Mo. Baker's peel. No. 1,116,729; Nov. 10; Gaz. vol. 208; p. 478.
- Potolsky, Anton, St. Louis, Mo. Baker's peel. No. 1,121,662; Dec. 22; Gaz. vol. 209; p. 1081.
- Pott, Fritz, Friedenau, near Berlin, Germany. Manufacturing filtering material. No. 1,089,346; Mar. 3; Gaz. vol. 200; p. 228.
- Pottel, Carl, Halle, Germany. Piston-operating mechanism for oil-pumps. No. 1,084,293; Jan. 13; Gaz. vol. 198; p. 373.
- Pottenger, Edwin F., Vancouver, British Columbia, Canada. Internal-combustion engine. No. 1,120,533; Dec. 8; Gaz. vol. 209; p. 603.
- Potter & Buffington Company. (See Ladd, Louis E., assignor.)
- Potter, Charles A., Oswego, N. Y. Course-finder and course-converter. No. 1,108,517; Aug. 25; Gaz. vol. 205; p. 1165.
- Potter, Charles F., Woodhaven, N. Y. Double-walled container. No. 1,093,648; Apr. 21; Gaz. vol. 201; p. 595.
- Potter, Charles H., Haverhill, Mass. Cigar-puncturing device. No. 1,115,335; Oct. 27; Gaz. vol. 207; p. 1159.
- Potter, Charles W., and A. F. Van Deinse, Albuquerque, N. Mex. Temporary insulator. No. 1,101,210; June 23; Gaz. vol. 203; p. 1111.
- Potter, Duane L., Scranton, Pa. Compound recoil-spring for vehicles. No. 1,110,230; Sept. 8; Gaz. vol. 206; p. 528.
- Potter, Edward A., *et al.* (See Albert, Charles H., assignor.)
- Potter, Edwin W. (See Rhodes and Potter.)
- Potter, Ellis M., New York, N. Y. Burner for fuel-receptacles. No. 1,104,383; July 21; Gaz. vol. 204; p. 837.
- Potter, Henry A., Jr., P. Stover, Jr., and W. Munz, assignors to Thomas Potter, Sons & Company, Inc., Philadelphia, Pa. Machine for making tessellated linoleum. No. 1,098,684; June 2; Gaz. vol. 203; p. 112.
- Pötter, Henry K., Somerville, Mass. Nozzle for oil-distributors. No. 1,084,359; Jan. 13; Gaz. vol. 198; p. 395.
- Potter, Henry N., New York, N. Y., assignor to G. Westinghouse, deceased, Pittsburgh, Pa.; H. H. Westinghouse, C. A. Terry, and W. D. Uptegraff, executors. Producing silicon monoxid. No. 1,104,384; July 21; Gaz. vol. 204; p. 838.
- Potter, James C., Pawtucket, R. I. Metal-sawing machine. No. 1,098,167; May 26; Gaz. vol. 202; p. 1154.
- Potter, James C., Providence, R. I. Automatic turret-lathe. No. 1,115,972; Nov. 3; Gaz. vol. 208; p. 172.
- Potter, James C., Providence, R. I. Automatic turret-lathe. No. 1,115,973; Nov. 3; Gaz. vol. 208; p. 173.
- Potter, James C., Providence, assignor to Potter & Johnston Machine Company, Pawtucket, R. I. Tool for machining bevel-gear blanks and other objects with inclined surfaces. No. 1,109,301; Sept. 1; Gaz. vol. 206; p. 157.
- Potter, James E., Jr., Beaman, Mo. Wire-stretcher. No. 1,088,621; Feb. 24; Gaz. vol. 199; p. 1193.
- Potter, John A. (See Bowers, Potter, and Darnell.)
- Potter, John A., Pueblo, Colo. Apparatus for smelting ores. No. 1,113,481; Oct. 13; Gaz. vol. 207; p. 417.
- Potter & Johnston Machine Company. (See Potter, James C., assignor.)
- Potter, Milton W., Red Lodge, Mont. Hood for type-writing machines and the like. No. 1,098,969; June 2; Gaz. vol. 203; p. 207.
- Potter Printing Press Company. (See Niles, Irving F., assignor.)
- Potter, Thomas I., Portland, Oreg. Coin-tray. No. 1,120,081; Dec. 8; Gaz. vol. 209; p. 442.
- Potter, William, New York, N. Y. Window attachment. No. 1,103,376; July 14; Gaz. vol. 204; p. 447.
- Potter, William, New York, N. Y. Door. No. 1,103,377; July 14; Gaz. vol. 204; p. 448.
- Potter, William B., Schenectady, N. Y., assignor to General Electric Company. Trolley for trackless vehicles. No. 1,089,957; Mar. 10; Gaz. vol. 200; p. 488.
- Potter, William B., Schenectady, N. Y., assignor to General Electric Company. Third-rail support. No. 1,104,220; July 21; Gaz. vol. 204; p. 781.
- Potter, Winfield S., Pittsburgh, Pa. Heat treatment of manganese steel. No. 1,123,003; Dec. 29; Gaz. vol. 209; p. 1586.
- Potterton, John R., Lynn, Mass. Fence. No. 1,115,736; Nov. 3; Gaz. vol. 208; p. 92.
- Pottorf, William H., Mason City, Ill. Concrete-mixer. No. 1,119,634; Dec. 1; Gaz. vol. 209; p. 253.
- Potts, Bernard D. (See Adams and Potts.)
- Potts, Hillard J., Kansas City, Mo. Electrode-holder. No. 1,119,872; Dec. 8; Gaz. vol. 209; p. 369.
- Potts, Howard J., assignor to The General Advertising Co., Reading, Pa. Display-card with easel attachment. No. 1,117,085; Nov. 10; Gaz. vol. 208; p. 603.
- Potts, Louis M., assignor, by mesne assignments, to A. McLanahan, Baltimore, Md. Telegraphy. No. 1,105,920; Aug. 4; Gaz. vol. 205; p. 116.
- Potts, Louis M., assignor, by mesne assignments, to A. McLanahan, Baltimore, Md. Punching-machine. No. 1,105,921; Aug. 4; Gaz. vol. 205; p. 117.
- Potts, Louis M., assignor, by mesne assignments, to A. McLanahan, Baltimore, Md. Telegraphy. No. 1,105,922; Aug. 4; Gaz. vol. 205; p. 117.
- Potts, Thomas W. (See Bellve and Potts.)
- Potts, Warren, Elkhart, Ind. Chandelier. No. 1,088,722; Mar. 3; Gaz. vol. 200; p. 18.
- Potwin, William S. (See Desmond, John, assignor.)
- Poucher, Charles C. and R. C., Aurora, Ill. Plant-replanter. No. 1,106,405; Aug. 11; Gaz. vol. 205; p. 327.
- Poucher, Ralph C. (See Poucher, Charles C. and R. C.)
- Pouget, Marcellin, Detroit, Mich. Culinary apparatus. No. 1,100,444; June 16; Gaz. vol. 203; p. 793.
- Pouguet, Desbarrieres E., London, England. Apparatus for the discharge of water or other liquids in a sprayed form over comparatively large areas. No. 1,102,354; July 7; Gaz. vol. 204; p. 46.
- Pouley, Arthur D. (See Pouley, Robert E. and A. D.)
- Pouley, Robert E., Chicago, and A. D. Pouley, Waukegan, Ill. Starter for internal-combustion engines. No. 1,094,097; Apr. 21; Gaz. vol. 201; p. 746.
- Poulsen, Kristen, Brooklyn, N. Y. Hoisting or lifting apparatus. No. 1,094,929; Apr. 28; Gaz. vol. 201; p. 1092.
- Poulsen, Valdemar, Copenhagen, Denmark. Receiver for wireless-transmission signals. No. 1,087,549; Feb. 17; Gaz. vol. 199; p. 782.
- Poulton, Gerald, London, England. Storage and transit of incandescent electric lamps. No. 1,110,571; Sept. 15; Gaz. vol. 206; p. 688.
- Pounder, Malcolm, and F. F. Hanske, Elkhart, Ind. Dental massage implement. No. 1,086,936; Feb. 10; Gaz. vol. 199; p. 519.
- Poundstone, George C. (See Lewis, George T., assignor.)
- Povah, Albert J., South Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Cam-cutting machine. No. 1,118,442; Nov. 24; Gaz. vol. 208; p. 1159.
- Powel, Warren A., Taylorville, Ill. Support. No. 1,089,958; Mar. 10; Gaz. vol. 200; p. 489.
- Powell, Alvah L., assignor of one-fiftieth to H. E. Wolfe, Stockton, Cal. Tire-armor. No. 1,098,588; June 2; Gaz. vol. 203; p. 81.
- Powell, Charles A. (See Martus, William J., assignor.)
- Powell, Dalton U., Barnesville, Ohio. Combination lock-coupling. No. 1,098,299; May 26; Gaz. vol. 202; p. 1201.
- Powell, Eugene H., Union Level, Va. Curtain and pole fixture. No. 1,091,958; Mar. 31; Gaz. vol. 200; p. 1291.
- Powell, Frank D., Lowell, Mass., assignor to Lamson Company, Newark, N. J. Device for store-service apparatus. No. 1,096,053; May 12; Gaz. vol. 202; p. 336.
- Powell, Frank D., Lowell, Mass., assignor to The Lamson Company, Newark, N. J. Carrier. No. 1,111,859; Sept. 29; Gaz. vol. 206; p. 1218.
- Powell, Frank D., assignor to The Lamson Company, Boston, Mass. Store-service apparatus. No. 1,097,560; May 19; Gaz. vol. 202; p. 896.
- Powell, Frank D., assignor to The Lamson Company, Boston, Mass. Store-service apparatus. No. 1,118,048; Nov. 24; Gaz. vol. 208; p. 1020.
- Powell, H. G., *et al.* (See Price, John D., assignor.)
- Powell, John E., Augusta, Ga. Fluid-pressure cylinder and piston. No. 1,095,926; May 5; Gaz. vol. 202; p. 255.
- Powell, John R., Waukegan, Ill., and B. G. Casler, Tonawanda, N. Y. Roofing and siding material. No. 1,114,032; Oct. 20; Gaz. vol. 207; p. 646.
- Powell, Joseph M., Brooklyn, Ind. Shale planer and excavator. No. 1,083,558; Jan. 6; Gaz. vol. 198; p. 99.
- Powell, Lyman S., Chicago, Ill. Boiler-furnace. No. 1,113,482; Oct. 13; Gaz. vol. 207; p. 418.

Alphabetical list of patentees—Continued.

- Powell, Paul R., Baltimore, Md., assignor to The Ives Manufacturing Corporation, Bridgeport, Conn. Toy. No. 1,116,841; Nov. 10; Gaz. vol. 208; p. 519.
- Powell, Ralph E., Toledo, Ohio. Ventilator. No. 1,085,758; Feb. 3; Gaz. vol. 199; p. 65.
- Powell, Reuben H., Warren, Conn. Stop and waste valve. No. 1,098,168; May 26; Gaz. vol. 202; p. 1155.
- Powell, Robert, St. Louis, Mo. Internal-combustion turbine-motor. No. 1,116,730; Nov. 10; Gaz. vol. 208; p. 478.
- Powell, William B. (See Ross, Clifton, assignor.)
- Powell, William C., St. Joseph, Mo. Union garment. No. 1,112,720; Oct. 6; Gaz. vol. 207; p. 110.
- Powell, William J., and S. M. Pontiere, Ocean City, N. J.; said Pontiere assignor to said Powell. Bowling-game apparatus. No. 1,118,877; Nov. 24; Gaz. vol. 208; p. 1307.
- Powelson, John W. (See Soden and Powelson.)
- Power, Charles. (See Shelton, Steere, and Power.)
- Power, George S., Nutley, N. J. Fluid-moved valve. No. 1,104,131; July 21; Gaz. vol. 204; p. 751.
- Power Manufacturing Company. (See Primm, John M., assignor.)
- Power & Mining Machinery Company. (See Bernhard, Richard, assignor.)
- Power, Nicholas, Brooklyn, N. Y. Intermittent movement for motion-picture apparatus. No. 1,088,364; Feb. 24; Gaz. vol. 199; p. 1110.
- Power, Nicholas, Brooklyn, N. Y. Feeding mechanism for motion-picture machines. No. 1,088,365; Feb. 24; Gaz. vol. 199; p. 1110.
- Power, Nicholas, Brooklyn, N. Y. Treating films for motion-picture machines. No. 1,117,239; Nov. 17; Gaz. vol. 208; p. 697.
- Power, Nicholas, Brooklyn, N. Y. Indicator for film-magazines. No. 1,118,512; Nov. 24; Gaz. vol. 208; p. 1183.
- Power, Nicholas, Brooklyn, N. Y. Apparatus for treating films for motion-picture machines. No. 1,119,115; Dec. 1; Gaz. vol. 209; p. 76.
- Power, Nicholas, Brooklyn, assignor to Nicholas Power Company, New York, N. Y. Safety device for moving-picture machines. No. 1,119,451; Dec. 1; Gaz. vol. 209; p. 189.
- Power, Roscoe B., Green Bay, Wis. Dental cabinet. No. 1,087,978; Feb. 24; Gaz. vol. 199; p. 977.
- Powers Accounting Machine Company. (See Powers, James, assignor.)
- Powers, Anthony J., Meridian, Miss. Finishing-machine. No. 1,102,435; July 7; Gaz. vol. 204; p. 75.
- Powers, De Forest, and H. C. Shultz, Elizabethton, Tenn. Fire-extinguishing system. No. 1,088,446; Feb. 24; Gaz. vol. 199; p. 1137.
- Powers, Edmund B., assignor to Empire Railway Appliance Corporation, New York, N. Y. Anticreeping device for railway-rails. No. 1,118,308; Nov. 24; Gaz. vol. 208; p. 1109.
- Powers, Edward J., Chicago, Ill. Automatic water-heater. No. 1,116,915; Nov. 10; Gaz. vol. 208; p. 544.
- Powers, Edward O. (See Vail and Powers.)
- Powers, Edward W., Waltham, Mass. Automatic clothes-line reel. No. 1,107,445; Aug. 18; Gaz. vol. 205; p. 743.
- Powers, George E., Wilberforce, Ohio. Rim-spreader. No. 1,121,396; Dec. 15; Gaz. vol. 209; p. 952.
- Powers, George G., assignor of one-half to F. Seng, Chicago, Ill. Bedstead-corner-post construction. No. 1,088,447; Feb. 24; Gaz. vol. 199; p. 1137.
- Powers, Gus, New Orleans, La. Shutter-mounting. No. 1,117,903; Nov. 17; Gaz. vol. 208; p. 929.
- Powers, James, Newark, N. J. Sanitary drinking-cup. No. 1,107,347; Aug. 18; Gaz. vol. 205; p. 708.
- Powers, James, New York, N. Y. Manufacturing sanitary drinking-cups. No. 1,107,348; Aug. 18; Gaz. vol. 205; p. 708.
- Powers, James, assignor, by mesne assignments, to Powers Accounting Machine Company, New York, N. Y. Keyboard for perforating-machines and the like. No. 1,086,397; Feb. 10; Gaz. vol. 199; p. 329.
- Powers, James, assignor, by mesne assignments, to Powers Accounting Machine Company, New York, N. Y. Single hand perforating-machine. No. 1,086,853; Feb. 10; Gaz. vol. 199; p. 492.
- Powers, James, assignor, by mesne assignments, to Powers Accounting Machine Company, New York, N. Y. Perforating-machine. No. 1,100,986; June 23; Gaz. vol. 203; p. 1034.
- Powers, James E. and W. H., Bedford City, Va. Grain-binder. No. 1,088,795; Mar. 3; Gaz. vol. 200; p. 42.
- Powers, Leonard D., Kenesaw, Nebr. Burial-vault. No. 1,106,889; Aug. 11; Gaz. vol. 205; p. 500.
- Powers, Patrick J., Winthrop, and L. L. Guilford, Arlington, Mass. Sanitary cover for food-receptacles. No. 1,113,827; Oct. 13; Gaz. vol. 207; p. 538.
- Powers, Patrick J., Winthrop, and L. L. Guilford, Arlington, Mass. Cracker-box. No. 1,115,862; Nov. 3; Gaz. vol. 208; p. 135.
- Powers, Peter, Carlisle, Nebr. Bundle-supporter for threshers. No. 1,103,312; July 14; Gaz. vol. 204; p. 426.
- Powers Photo Engraving Company. (See Ranck, John V., assignor.)
- Powers, Robert E., Montreal, Quebec, Canada, assignor of one-fourth to A. C. Murphy and one-fourth to J. H. Allen, New York, N. Y. Centering device for car-couplings. No. 1,116,626; Nov. 10; Gaz. vol. 208; p. 443.
- Powers, Thomas A., J. R. Harvey, and J. W. Crowley, Subiaco, Western Australia, Australia. Safety-cradle for dropping life-boats. No. 1,107,109; Aug. 11; Gaz. vol. 205; p. 572.
- Powers, Thomas E., et al. (See McKee, James T., assignor.)
- Powers, Thomas H., assignor of one-half to R. L. Parker, Templeman Cross Roads, Va. Tomato-scalders. No. 1,112,552; Oct. 6; Gaz. vol. 207; p. 50.
- Powers, William H. (See Powers, James E. and W. H.)
- Powers, William O., Jr., Ossining, assignor of one-half to Postal Telegraph-Cable Company, New York, N. Y. Contact-wheel for signal-circuits. No. 1,111,033; Sept. 22; Gaz. vol. 206; p. 894.
- Powling, William T., Prittlewell, England. Treating fatty substances. No. 1,121,598; Dec. 15; Gaz. vol. 209; p. 1023.
- Powlowski, Michael, and S. A. Mischansky, Syracuse, N. Y. Horseshoe. No. 1,116,326; Nov. 3; Gaz. vol. 208; p. 292.
- Praeger, Ewald, San Antonio, Tex. Hose-support. No. 1,114,033; Oct. 20; Gaz. vol. 207; p. 647.
- Prager, Moritz, Berlin, Germany. Continuous evaporation. No. 1,096,193; May 12; Gaz. vol. 202; p. 381.
- Prahl, Willi A., Salt Lake City, Utah. Rail. No. 1,122,154; Dec. 22; Gaz. vol. 209; p. 1252.
- Prahm, Adolph F., St. Louis, Mo. Lantern. No. 1,097,464; May 19; Gaz. vol. 202; p. 864.
- Prall, George A., Keosauqua, Iowa. Scuttle-ladder. No. 1,109,460; Sept. 1; Gaz. vol. 206; p. 213.
- Prall, Ralph T. (See Konold and Prall.)
- Prance, Henry W., London, England. Loud-speaking attachment for telephones. No. 1,084,822; Jan. 20; Gaz. vol. 198; p. 580.
- Prante, Frederick B., Pacific Beach, assignor of one-half to M. Spinner, Gate, Wash. Animal-trap. No. 1,121,663; Dec. 22; Gaz. vol. 209; p. 1081.
- Prasch, Joseph, Sr., and S. Tripp, Fort Madison, Iowa. Joint structure. No. 1,085,481; Jan. 27; Gaz. vol. 198; p. 839.
- Prater, John A., Edinburg, Ill. Horse-collar. No. 1,089,263; Mar. 3; Gaz. vol. 200; p. 201.
- Prater, L. A. (See Hooker, Norman E., assignor.)
- Prather, Asa P., Georgetown, Ky. Wheel construction. No. 1,116,916; Nov. 10; Gaz. vol. 208; p. 544.
- Prather, Frank M., Los Angeles, Cal. Pneumatic power-transmitter. No. 1,098,300; May 26; Gaz. vol. 202; p. 1202.
- Pratt, Alexander W., North Jay, Me. Stone-cutting machine. No. 1,113,828; Oct. 13; Gaz. vol. 207; p. 538.
- Pratt, Alphonso C., Montclair, N. J. Machine for making flexible metal fabric. No. 1,094,471; Apr. 28; Gaz. vol. 201; p. 931.
- Pratt, Alphonso C., Montclair, N. J. Machine for making flexible metal fabric. No. 1,117,703; Nov. 17; Gaz. vol. 208; p. 861.
- Pratt, Alphonso C., Montclair, N. J. Machine for making link mesh. No. 1,121,045; Dec. 15; Gaz. vol. 209; p. 831.
- Pratt, Arthur J., assignor to American Optical Company, Southbridge, Mass. Eyeglass-case. No. 1,100,987; June 23; Gaz. vol. 203; p. 1034.
- Pratt, Ashton H., Chicago, Ill. Shoe construction. No. 1,112,553; Oct. 6; Gaz. vol. 207; p. 50.
- Pratt, Charles T., assignor to Pratt Chuck Company, Frankfort, N. Y. Armoring-machine. No. 1,091,161; Mar. 24; Gaz. vol. 200; p. 977.
- Pratt, Charles T., assignor to The Pratt Chuck Company, Frankfort, N. Y. Machine for forming cable-armor. No. 1,098,919; June 2; Gaz. vol. 203; p. 192.
- Pratt Chuck Company. (See Pratt, Charles T., assignor.)
- Pratt, Clarence H., assignor to Koban Manufacturing Company, Milwaukee, Wis. Carbureter. No. 1,111,179; Sept. 22; Gaz. vol. 206; p. 945.
- Pratt, Clyde H. (See Ray, Albert D., assignor.)
- Pratt, Edwin H., Lompoc, Cal. Attachment for alarm-clocks. No. 1,090,648; Mar. 17; Gaz. vol. 200; p. 770.
- Pratt, Frederick W. (See Jones, Arthur J., assignor.)
- Pratt, Herbert M., Jersey City, N. J. Corn-butterer. No. 1,097,465; May 19; Gaz. vol. 202; p. 865.
- Pratt, Howell D., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Selective delivery-conveyer. No. 1,098,970; June 2; Gaz. vol. 203; p. 208.
- Pratt, James H. (See McGrath, Nicholas B., assignor.)
- Pratt, John T. (See Fischer, Martin, assignor.)
- Pratt, John T. (See Ractliffe, George, assignor.)
- Pratt, Leland S., Sacramento, Cal. Flange-lubricator. No. 1,097,262; May 19; Gaz. vol. 202; p. 795.
- Pratt, Lewis M., assignor to C. Eckes, Oklahoma, Okla. Burglar-alarm. No. 1,096,001; May 5; Gaz. vol. 202; p. 280.
- Pratt, Louis L. (See Broadhurst and Pratt.)
- Pratt, Manna M., Green City, Mo. Wheel. No. 1,112,554; Oct. 6; Gaz. vol. 207; p. 51.
- Pratt, Mason D., Harrisburg, Pa. Portable mortar-mixer. No. 1,098,400; June 2; Gaz. vol. 203; p. 15.
- Pratt, Philip W., Boston, Mass. Resilient tread. No. 1,087,682; Feb. 17; Gaz. vol. 199; p. 831.

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- Pratt, Robert W., Cleveland, Ohio. Sewage disposal. No. 1,122,155; Dec. 22; Gaz. vol. 209; p. 1252.
- Pratt, Robert W., Cleveland, Ohio. Sewage disposal. No. 1,122,156; Dec. 22; Gaz. vol. 209; p. 1253.
- Pratt, Theodore, New York, N. Y. Internal-combustion engine. No. 1,099,860; June 9; Gaz. vol. 203; p. 553.
- Pratt & Whitney Company. (See Hanson, Bengt M. W., assignor.)
- Pratt & Whitney Company, The. (See Hanson and Allen, assignors.)
- Pratt & Whitney Company. (See Hanson and Grohmann, assignors.)
- Pratt & Whitney Company. (See Hanson and Sears, assignors.)
- Pratt & Whitney Company. (See Sears, Willard T., assignor.)
- Pratt, William. (See Bingham and Pratt.)
- Pratt, William, Grand Valley, Colo. Railway. No. 1,112,319; Sept. 29; Gaz. vol. 206; p. 1374.
- Pratt, William C., Augusta, Ark. Stovepipe-fastener. No. 1,090,649; Mar. 17; Gaz. vol. 200; p. 770.
- Pratt, William H., Lynn, Mass., assignor to General Electric Company. Internal-combustion engine. No. 1,091,703; Mar. 31; Gaz. vol. 200; p. 1201.
- Pratt, William H., Lynn, Mass., assignor to General Electric Company. Device for measuring speed. No. 1,092,452; Apr. 7; Gaz. vol. 201; p. 114.
- Pratt, William H., Lynn, Mass., assignor to General Electric Company. Electric-current shunt. No. 1,114,515; Oct. 20; Gaz. vol. 207; p. 821.
- Pratt, William H., and A. J. R. Fiego, Lynn, Mass., assignors to General Electric Company. Bearing for the shafts of measuring instruments. No. 1,088,839; Mar. 3; Gaz. vol. 200; p. 57.
- Preble, Andrew C., Chicago, Ill. Automatic check for elevator-doors. No. 1,102,799; July 7; Gaz. vol. 204; p. 201.
- Preble, Edwin N., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-pressing machine. No. 1,094,809; Apr. 28; Gaz. vol. 201; p. 1051.
- Preble, Edwin N., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-pressing machine. No. 1,098,401; June 2; Gaz. vol. 203; p. 15.
- Preble, Edwin N., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-pressing machine. No. 1,108,472; Aug. 25; Gaz. vol. 205; p. 1149.
- Preble, Everett W., Anson, Me. Rail-joint. No. 1,095,026; Apr. 28; Gaz. vol. 201; p. 1126.
- Preble, Frank H., and K. D. Grant, Philadelphia, Pa. Automatic hen-marker. No. 1,098,971; June 2; Gaz. vol. 203; p. 208.
- Preble, George L., Lynn, Mass. Counter-stiffener. No. 1,091,704; Mar. 31; Gaz. vol. 200; p. 1202.
- Preble, Henry T., Berkeley, Cal. Autotractor. No. 1,097,044; May 19; Gaz. vol. 202; p. 718.
- Preble, Henry T., Berkeley, Cal. Mechanical oiler. No. 1,121,536; Dec. 15; Gaz. vol. 209; p. 999.
- Precision Metal Workers. (See Noetzel and Ferris, assignors.)
- Preddey, Walter G., San Francisco, Cal. Lens-temperature equalizer. No. 1,111,093; Sept. 22; Gaz. vol. 206; p. 915.
- Predock, George E. (See Udell and Predock.)
- Prégardien, Joseph E., Cologne, assignor to F. Neumann, Aachen, Germany. Device for utilizing the off gases from blast-furnaces for preheating the blast. No. 1,105,158; July 28; Gaz. vol. 204; p. 1153.
- Preiczner, Ladislaus, Pittsburgh, Pa. Life-boat. No. 1,105,303; July 28; Gaz. vol. 204; p. 1206.
- Prein, Emil, Hanover, assignor to Prein-Gewebe Actien-Gesellschaft, Hanover-Linden, Germany. Treatment of fabrics during weaving. No. 1,083,462; Jan. 6; Gaz. vol. 198; p. 68.
- Prein, Emil, Hanover, assignor to Prein-Gewebe Actien-Gesellschaft, Hanover-Linden, Germany. Apparatus for weaving fabrics. No. 1,095,417; May 5; Gaz. vol. 202; p. 83.
- Prein, Emil, Hanover, assignor to Prein-Gewebe Actien-Gesellschaft, Hanover-Linden, Germany. Apparatus for weaving fabrics. No. 1,098,755; June 2; Gaz. vol. 203; p. 136.
- Prein, Emil, Hanover, assignor to Prein-Gewebe Actien-Gesellschaft, Hanover-Linden, Germany. Apparatus for weaving fabrics. No. 1,098,756; June 2; Gaz. vol. 203; p. 136.
- Prein, Emil, Hanover, assignor to Prein-Gewebe Actien-Gesellschaft, Hanover-Linden, Germany. Weft-moistening shuttle. No. 1,101,712; June 30; Gaz. vol. 203; p. 1333.
- Prein, Emil, Hanover, assignor to Prein-Gewebe Actien-Gesellschaft, Hanover-Linden, Germany. Treatment of fabrics during weaving. No. 1,104,827; July 28; Gaz. vol. 204; p. 1040.
- Prein-Gewebe Actien-Gesellschaft. (See Prein, Emil, assignor.)
- Preinsler, Charles L., Rheims, France. Device for heating and vaporizing liquids. No. 1,103,830; July 14; Gaz. vol. 204; p. 606.
- Preizer, John, Monaca, Pa. Cushioned heel for foot-gear. No. 1,112,932; Oct. 6; Gaz. vol. 207; p. 181.
- Prejean, Cleomer, Vermilion parish, La., assignor of two-thirds to A. Boyer, II. Broussard, and L. Laroche. Nutlock. No. 1,083,463; Jan. 6; Gaz. vol. 198; p. 68.
- Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Unloader for fluid-compressors. No. 1,088,366; Feb. 24; Gaz. vol. 199; p. 1110.
- Pre'mière Societe de la Navigation Aerienne de Russie. (See Schischmarew, Michail, assignor.)
- Prenatt, E. J. (See Bell, Floyd J., assignor.)
- Prendergast, Frank P., Dagus Mines, Pa. Pocket. No. 1,122,636; Dec. 29; Gaz. vol. 209; p. 1457.
- Prendergast, George F., Buffalo, N. Y. Spinning-top. No. 1,089,668; Mar. 10; Gaz. vol. 200; p. 389.
- Prendergast, George G. (See Blackburn, Roy J., assignor.)
- Prendergast, John B. (See Proctor and Prendergast.)
- Prendergast, Richard P., Marshfield, Oreg. Trunk-tie. No. 1,098,526; June 2; Gaz. vol. 203; p. 59.
- Prentice, Frank W., Toronto, Ontario, Canada, assignor to The Perry-Prentice Electric Company. Railway signaling or train control. No. 1,105,923; Aug. 4; Gaz. vol. 205; p. 118.
- Prentice, George E. (See Blum and Prentice.)
- Prentice, George E., New Britain, Conn. Cord-eye for cord-back suspenders. No. 1,098,125; May 26; Gaz. vol. 202; p. 1141.
- Prentice, George E., New Britain, Conn. Cord-eye for cord-back suspenders. No. 1,110,145; Sept. 8; Gaz. vol. 206; p. 500.
- Prentice, George E., New Britain, Conn. Cord-eye support. No. 1,111,760; Sept. 29; Gaz. vol. 206; p. 1181.
- Prentiss, Charles W., San Francisco, Cal. Cabinet-broiler. No. 1,088,178; Feb. 24; Gaz. vol. 199; p. 1047.
- Prentiss, Frederick H., assignor of one-half to L. B. Prentiss, San Francisco, and one-half to R. C. Lane, Berkeley, Cal. Apparatus for recovering valuable constituents from ores. No. 1,104,132; July 21; Gaz. vol. 204; p. 751.
- Prentiss, Leda B., *et al.* (See Prentiss, Frederick H., assignor.)
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,093,008; Apr. 14; Gaz. vol. 201; p. 338.
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Making soles for spring-heel shoes. No. 1,105,694; Aug. 4; Gaz. vol. 205; p. 38.
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Process of making shoes. No. 1,117,086; Nov. 10; Gaz. vol. 208; p. 603.
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in lasting boots and shoes. No. 1,117,087; Nov. 10; Gaz. vol. 208; p. 603.
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Process of making shoes. No. 1,117,088; Nov. 10; Gaz. vol. 208; p. 604.
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,117,440; Nov. 17; Gaz. vol. 208; p. 767.
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Upper-forming machine. No. 1,119,039; Dec. 1; Gaz. vol. 209; p. 50.
- Presbrey, Edward H., New York, N. Y. Grease-cup. No. 1,093,472; Apr. 14; Gaz. vol. 201; p. 495.
- Presbrey, Edward H., New York, N. Y. Grease-cup. No. 1,121,129; Dec. 15; Gaz. vol. 209; p. 862.
- Prescott, Arthur T., East Orange, N. J., assignor to George H. Frothingham Company, New York, N. Y. Combination door and wharf-drop mechanism. No. 1,094,015; Apr. 21; Gaz. vol. 201; p. 718.
- Prescott, Arthur T., East Orange, N. J., assignor to George H. Frothingham Company, New York, N. Y. Ferry-landing apparatus. No. 1,107,702; Aug. 18; Gaz. vol. 205; p. 834.
- Prescott, Charles A., Victoria, British Columbia, Canada. Lock and latch. No. 1,123,004; Dec. 29; Gaz. vol. 209; p. 1587.
- Prescott, Frederick M., and E. P. Worden, Milwaukee, assignors to Fred M. Prescott Steam Pump Company, West Allis, Wis. Valve-pot cover. No. 1,100,095; June 16; Gaz. vol. 203; p. 672.
- Prescott, Herbert F., Detroit, Mich. Soap-container. No. 1,108,083; Aug. 18; Gaz. vol. 205; p. 966.
- Prescott, Jesse, Webster, Mass. Garbage-incinerator. No. 1,086,854; Feb. 10; Gaz. vol. 199; p. 492.
- Prescott, Jesse, Webster, Mass. Refuse-burner. No. 1,086,855; Feb. 10; Gaz. vol. 199; p. 493.
- Prescott, Jesse, Worcester, Mass. Garbage-incinerator. No. 1,093,356; Apr. 14; Gaz. vol. 201; p. 458.
- Prescott, Samuel J. (See Nosworthy and Prescott.)
- Prescott, Sitwell, Fort Worth, assignor of fifty-one hundredths to J. D. Osborn, Cleburne, Tex. Feeding mechanism for printing-presses. No. 1,098,589; June 2; Gaz. vol. 203; p. 81.

Alphabetical list of patentees—Continued.

- Prescott, Sydney I., Brooklyn, N. Y., assignor to Motorflex Equipment Company. Engine-starting device. No. 1,085,482; Jan. 27; Gaz. vol. 198; p. 839.
- Prescott, Sydney I., Brooklyn, assignor to Motorflex Equipment Company, New York, N. Y. Gas-engine. No. 1,114,034; Oct. 20; Gaz. vol. 207; p. 647.
- Prescott, Sydney I., Brooklyn, assignor to Motorflex Equipment Company, New York, N. Y. Clutch. No. 1,114,035; Oct. 20; Gaz. vol. 207; p. 647.
- Prescott, Sydney I., assignor to The American Tobacco Company, New York, N. Y. Mouthpiece-forming mechanism. No. 1,105,832; Aug. 4; Gaz. vol. 205; p. 86.
- Prescott, Sydney I., assignor to The American Tobacco Company, New York, N. Y. Rerolling mechanism for cigarette-shells. No. 1,119,873; Dec. 8; Gaz. vol. 209; p. 369.
- Prescott, William C., *et al.*, executors. (See Horrocks, William.)
- Presnick, Hyman, Brooklyn, and S. Youngerman, New York, N. Y. Self-locking bottle-holder. No. 1,100,909; June 23; Gaz. vol. 203; p. 1006.
- Pressed Metal Radiator Company. (See Sonneborn, Charles, assignor.)
- Pressed Steel Car Company. (See Lindström, Charles A., assignor.)
- Pressed Steel Car Company. (See Parke, Peter, assignor.)
- Pressed Steel Car Company. (See Streib, John F., assignor.)
- Pressed Steel Truck Company. (See Peterson, Edwin L., assignor.)
- Presser, Ernst, Berlin, Germany. Insulating-wire of aluminium and the like. No. 1,117,240; Nov. 17; Gaz. vol. 208; p. 697.
- Pressley, Charles W. (See Way, Raymond S., assignor.)
- Presto Spinning Ring Holder Company. (See Pierce, George L., assignor.)
- Preston, Albert F., Boston, Mass. Power cutting, grading machine. No. 1,105,534; July 28; Gaz. vol. 204; p. 1288.
- Preston, Charles E., Lake City, Iowa. Combined paper-weight and calendar-support. No. 1,107,349; Aug. 18; Gaz. vol. 205; p. 708.
- Preston, Frederick A., Highland Park, assignor to The P. & M. Co., Chicago, Ill. Rail-anticreeper. No. 1,084,227; Jan. 13; Gaz. vol. 198; p. 353.
- Preston, Frederick A., Highland Park, assignor to The P. & M. Co., Chicago, Ill. Rail-anchor. No. 1,101,658; June 30; Gaz. vol. 203; p. 1316.
- Preston, Frederick A., Highland Park, assignor to The P. & M. Co., Chicago, Ill. Two-way anticreeper. No. 1,118,229; Nov. 24; Gaz. vol. 208; p. 1082.
- Preston, Frederick A., Highland Park, and P. W. Moore, Evanston, assignors to The P. & M. Co., Chicago, Ill. Rail-stay. No. 1,111,860; Sept. 29; Gaz. vol. 206; p. 1219.
- Preston, John E., Stockport, England. Galvanic battery. No. 1,104,828; July 28; Gaz. vol. 204; p. 1041.
- Preston, Ray W., Connorsville, Ind., assignor to United Vacuum Appliance Company, Paterson, N. J. Dust-separator. No. 1,110,344; Sept. 15; Gaz. vol. 206; p. 609.
- Preston, Robert, Winnipeg, Manitoba, Canada. Side-liner for truck-boxes. No. 1,089,669; Mar. 10; Gaz. vol. 200; p. 390.
- Pretceille, Edmond A., Nantes, France, assignor to Metallurgische Gesellschaft, A. G., Frankfurt-on-the-Main, Germany. Agglomerating fine ores or metalliferous products. No. 1,096,054; May 12; Gaz. vol. 202; p. 336.
- Prettner, Franz, Ebiswald, Styria, assignor of one-half to J. Walchensteiner, Ebiswald, Austria-Hungary. Explosion-turbine. No. 1,109,643; Sept. 1; Gaz. vol. 206; p. 277.
- Preusse, Gunther R., assignor, by mesne assignments, to Detecta Phone Company of America, Incorporated, New York, N. Y. Telephonic instrument. No. 1,118,230; Nov. 24; Gaz. vol. 208; p. 1082.
- Preussen, Heinrich P. von, Kiel, assignor of one-half to Heinrich Wollheim & Ossenbach, Industriegesellschaft m. b. H., Berlin, Germany. Appliance for cleaning windshields on motor-vehicles. No. 1,095,468; May 5; Gaz. vol. 202; p. 102.
- Previts, Ferdinand, Cleveland, Ohio. Scraping apparatus. No. 1,088,089; Feb. 24; Gaz. vol. 199; p. 1016.
- Preyer, Frederick W., assignor to The Gibbs Manufacturing Company, Canton, Ohio. Top. No. 1,115,863; Nov. 3; Gaz. vol. 208; p. 135.
- Přibáň, Václav, Prague, Austria-Hungary. Sausage-stuffing machine. No. 1,107,184; Aug. 11; Gaz. vol. 205; p. 602.
- Pribil, Alexis R., Detroit, Mich., assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Grease-cup. No. 1,107,350; Aug. 18; Gaz. vol. 205; p. 708.
- Pribil, Alexis R., assignor to Penberthy Injector Company, Detroit, Mich. Automatic cellar-drainer. No. 1,116,481; Nov. 10; Gaz. vol. 208; p. 387.
- Price, Albert M., Elgin, Ill. Gum-wrapping machine. No. 1,109,461; Sept. 1; Gaz. vol. 206; p. 213.
- Price, Alfred L., Macon, Ga. Grinding-machine. No. 1,118,798; Nov. 24; Gaz. vol. 208; p. 1280.
- Price-Campbell Cotton Picker Corporation. (See Calderwood, Benjamin C., assignor.)
- Price, Corwin T., assignor of one-third to H. E. Gasch and one-third to H. C. Birge, Washington, D. C. Device for use in severing box-tops and other articles. No. 1,097,362; May 19; Gaz. vol. 202; p. 830.
- Price, David R., Brant Rock, Mass., assignor to General Electric Company. Electrical measuring instrument. No. 1,114,516; Oct. 20; Gaz. vol. 207; p. 822.
- Price, Edgar, Schenectady, N. Y., assignor to General Electric Company. Self-adjusting solenoid-brake. No. 1,096,454; May 12; Gaz. vol. 202; p. 472.
- Price, Edwin F., Washington, D. C. Bookbinder's signature-holding clamp. No. 1,118,581; Nov. 24; Gaz. vol. 208; p. 1208.
- Price, Ernest W. (See Langley and Price.)
- Price, Frederick, Philadelphia, Pa. Embroidery-trimming apparatus. No. 1,102,544; July 7; Gaz. vol. 204; p. 113.
- Price, Frederick G. (See Lewis and Price.)
- Price, George O. (See Cookingham and Price.)
- Price, Harry E., assignor to American Car and Foundry Company, St. Louis, Mo. Pressed-steel sill-pocket. No. 1,097,934; May 26; Gaz. vol. 202; p. 1074.
- Price, Henry. (See Barnes, Samuel L., assignor.)
- Price, Henry, New Castle, Pa. Latrine-molding system. No. 1,109,636; Sept. 1; Gaz. vol. 206; p. 274.
- Price, Herbert L., Baltimore, Md. Collection-draft, &c., sheet. No. 1,104,310; July 21; Gaz. vol. 204; p. 811.
- Price, John B., Crescent, Iowa. Bridle. No. 1,100,613; June 16; Gaz. vol. 203; p. 849.
- Price, John D., assignor of one-third to H. G. Powell and one-third to H. Spies, Cleveland, Ohio. Arch-support. No. 1,106,000; Aug. 4; Gaz. vol. 205; p. 145.
- Price, L. M. (See Adams, Benjamin F., assignor.)
- Price, Max C. (See Scottford and Price.)
- Price, Samuel W., London, England. Apparatus for burning liquid fuel. No. 1,105,833; Aug. 4; Gaz. vol. 205; p. 86.
- Price, Thomas H., and H. R. Wheeldon, Lake Charles, La. Needle-changing device. No. 1,100,910; June 23; Gaz. vol. 203; p. 1006.
- Price, Thomas M., Washington, D. C. Ink. No. 1,088,840; Mar. 3; Gaz. vol. 200; p. 57.
- Price, Walter B., New Orleans, La. Brake. No. 1,116,115; Nov. 3; Gaz. vol. 208; p. 222.
- Price, Walter J. (See Curley and Price.)
- Price, William A., Teddington, England. Electrical machine. No. 1,089,077; Mar. 3; Gaz. vol. 200; p. 137.
- Price, William A., Newcastle-upon-Tyne, England. Operation of electrical machines of the induction type. No. 1,116,116; Nov. 3; Gaz. vol. 208; p. 223.
- Price, William C., Middleton, Idaho. Wagon-scale. No. 1,112,320; Sept. 29; Gaz. vol. 206; p. 1375.
- Price, William S., Hutchinson, Kans. Heating-stove. No. 1,122,536; Dec. 29; Gaz. vol. 209; p. 1421.
- Price, Willie S., Albany, Ga. Window-screen. No. 1,086,616; Feb. 10; Gaz. vol. 199; p. 408.
- Prickett, Charles. (See Prickett, William D. and W. C., assignors.)
- Prickett, William C. (See Prickett, William D. and W. C.)
- Prickett, William D., Ashville, and W. C. Prickett, Birmingham, assignors of one-third to C. Prickett, Attalla, Ala. Dairy recording apparatus. No. 1,097,767; May 26; Gaz. vol. 202; p. 1014.
- Pride, William S., Oakland, Cal. Corner for plastering. No. 1,097,935; May 26; Gaz. vol. 202; p. 1075.
- Pridham, Edwin S. (See Jensen and Pridham.)
- Pridham, Edwin S., and P. L. Jensen, Napa, assignors to Commercial Wireless & Development Company, San Francisco, Cal. Telephone. No. 1,105,924; Aug. 4; Gaz. vol. 205; p. 118.
- Pridmore, Edward A., Chicago, Ill. Molding-machine. No. 1,102,606; July 7; Gaz. vol. 204; p. 135.
- Priebe, Herman C., Blue Island, Ill. Draft-gear. No. 1,108,231; Aug. 25; Gaz. vol. 205; p. 1066.
- Priebe, Herman C., Chicago, Ill. Tank-car underframe. No. 1,111,491; Sept. 22; Gaz. vol. 206; p. 1051.
- Priebe, Herman C., Chicago, Ill. Tank-car underframe. No. 1,111,492; Sept. 22; Gaz. vol. 206; p. 1051.
- Priem, Otto, Carpenter, Iowa. Adjustable hanger. No. 1,107,110; Aug. 11; Gaz. vol. 205; p. 573.
- Priem, Theodore, Weyerhaeuser, Wis. Brake-actuating mechanism. No. 1,116,917; Nov. 10; Gaz. vol. 208; p. 545.
- Priemer, Bruno F. (See Kleinfeldt and Priemer.)
- Pries, Herman, Michigan City, Ind. Car-roof. No. 1,085,158; Jan. 27; Gaz. vol. 198; p. 729.
- Pries, Herman, Michigan City, Ind. Saddle-block for car-roofs. No. 1,086,556; Feb. 10; Gaz. vol. 199; p. 386.
- Pries, Herman, and J. W. Meyer, Michigan City, Ind. Dump-car. No. 1,116,731; Nov. 10; Gaz. vol. 208; p. 479.
- Priess, Lewis A., Minneapolis, Minn. Easy-slide holder for neckties. No. 1,095,736; May 5; Gaz. vol. 202; p. 192.
- Priest, Augustus F., Akron, Ohio. Vehicle-wheel. No. 1,086,786; Feb. 10; Gaz. vol. 199; p. 467.

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- Priest, Charles, Arlington, N. J., assignor to Commercial Cable Company, New York, N. Y. Apparatus and method for counteracting the inductance disturbances in telegraph-lines. No. 1,094,472; Apr. 28; Gaz. vol. 201; p. 932.
- Priest, Corbin J., Claremore, Okla. School-desk. No. 1,113,140; Oct. 6; Gaz. vol. 207; p. 251.
- Priest, Harry R., Loudonville, Ohio. Suction-cup for dental plates. No. 1,098,972; June 2; Gaz. vol. 203; p. 209.
- Priester, Charles. (See Sipchen, Roemer, and Priester.)
- Priester, Joel E., Harrisburg, Tex. Alarm device. No. 1,110,713; Sept. 15; Gaz. vol. 206; p. 740.
- Priester, Joel E., Harrisburg, Tex. Boiler attachment. No. 1,114,182; Oct. 20; Gaz. vol. 207; p. 702.
- Priestman, Albert, Philadelphia, Pa. Elevating liquids. No. 1,102,683; July 7; Gaz. vol. 204; p. 161.
- Priestman, Albert, New York, N. Y. Apparatus for elevating liquids. No. 1,102,684; July 7; Gaz. vol. 204; p. 161.
- Priestman, Edmund, and F. Nell, Sheffield, England. Passenger-register for vehicles. No. 1,088,622; Feb. 24; Gaz. vol. 199; p. 1193.
- Prigge, John A., Jr., New York, N. Y., assignor to The Walter M. Lowney Company, Boston, Mass. Display-easel. No. 1,120,239; Dec. 8; Gaz. vol. 209; p. 499.
- Prikla, Joe, Superior, Wis. Attachment for scissors. No. 1,115,104; Oct. 27; Gaz. vol. 207; p. 1080.
- Prime, Daniel N., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Making articles of metal. No. 1,114,384; Oct. 20; Gaz. vol. 207; p. 773.
- Primeau, Arthur L., Fitchburg, Mass. Pump-operating mechanism. No. 1,096,194; May 12; Gaz. vol. 202; p. 382.
- Primeau, Arthur L., Fitchburg, Mass. Fluid-measuring pump. No. 1,116,732; Nov. 10; Gaz. vol. 208; p. 479.
- Primm, John M., assignor to Power Manufacturing Company, Lima, Ohio. Governor. No. 1,090,500; Mar. 17; Gaz. vol. 200; p. 720.
- Primos Chemical Company. (See Davis, Royal S., assignor.)
- Primrose, Mary E., St. Louis, Mo. Collar-support. No. 1,088,179; Feb. 24; Gaz. vol. 199; p. 1047.
- Prince, Edwin, New York, N. Y. Spool-magazine. No. 1,099,766; June 9; Gaz. vol. 203; p. 521.
- Prince, Herbert, New York, N. Y. Fire-escape. No. 1,095,595; May 5; Gaz. vol. 202; p. 144.
- Prindall, Martha M., Lynn, Mass. Woman's curtain-drawers. No. 1,102,800; July 7; Gaz. vol. 204; p. 202.
- Prindville, Thomas D., assignor of one-half to R. H. Albrecht, St. Louis, Mo. Auxiliary body for automobiles. No. 1,099,818; June 9; Gaz. vol. 203; p. 539.
- Prindle, Edwin J., executor. (See Wilmosky, Erwin F. von.)
- Prindle, Franklin C., Washington, D. C. Tilting steering-wheel for motor-vehicles. No. 1,098,301; May 26; Gaz. vol. 202; p. 1202.
- Prindle, William E., Manitowoc, Wis. Drying apparatus. No. 1,085,939; Feb. 3; Gaz. vol. 199; p. 128.
- Prindle, William E., Manitowoc, Wis. Rotary drier. No. 1,098,402; June 2; Gaz. vol. 203; p. 16.
- Prindle, William E., Manitowoc, Wis. Mechanical drier. No. 1,104,929; July 28; Gaz. vol. 204; p. 1076.
- Pring, Elza M., Allegany, Oreg. Saw-jointer. No. 1,116,842; Nov. 10; Gaz. vol. 208; p. 519.
- Pringle, Arthur D., *et al.* (See Harn, Charles B., assignor.)
- Pringle, William A., Niagara Falls, N. Y., assignor, by mesne assignments, to American Sales Book Company, Limited. Printing apparatus. No. 1,105,042; July 28; Gaz. vol. 204; p. 1114.
- Printers Specialties Company. (See McGinty, Bernard, assignor.)
- Printiss, Frederick H., assignor of fifty-one one-hundredths to The G. C. A. Manufacturing Company, Pittsfield, Mass. Incandescent-bulb remover and replacer. No. 1,121,759; Dec. 22; Gaz. vol. 209; p. 1114.
- Prior, Robert H., assignor of one-half to A. E. Young, Cedartown, Ga. Seed-planter. No. 1,103,831; July 14; Gaz. vol. 204; p. 606.
- Pritchard, Albert R., Rochester, assignor to Reed Manufacturing Company, Newark, N. Y. Sprayer. No. 1,116,733; Nov. 10; Gaz. vol. 208; p. 479.
- Pritchard, Carl G., Warren, assignor to The Harris Automatic Press Company, Niles, Ohio. Printing-press. No. 1,113,483; Oct. 13; Gaz. vol. 207; p. 419.
- Pritchard, George E., Lilly, N. C. Pea thresher and harvester. No. 1,117,904; Nov. 17; Gaz. vol. 208; p. 929.
- Pritchard-Stamping Company. (See McDade, Edward J., assignor.)
- Pritchard-Stamping Company. (See Parkinson, William J., assignor.)
- Pritchard, Thomas W., Wilmington, N. C. Producing pure turpentine. No. 1,110,819; Sept. 15; Gaz. vol. 206; p. 776.
- Pritchard, Thomas W., Wilmington, N. C., and M. C. Whitaker, New York, N. Y. Distillation. No. 1,110,820; Sept. 15; Gaz. vol. 206; p. 776.
- Pritchett, John W., Holly Springs, Miss. Blower and fender. No. 1,094,245; Apr. 21; Gaz. vol. 201; p. 795.
- Probert, Edwin R., assignor to The Moeschl-Edwards Corrugating Company, Covington, Ky. Sheet-metal roofing. No. 1,110,272; Sept. 8; Gaz. vol. 206; p. 543.
- Probert, Edwin R., assignor to The Moeschl-Edwards Corrugating Company, Covington, Ky. Sheet-metal roofing. No. 1,121,594; Dec. 15; Gaz. vol. 209; p. 1021.
- Probst, Emmet, Paterson, N. J. Shade-roller bracket. No. 1,115,020; Oct. 27; Gaz. vol. 207; p. 1051.
- Prochazka, Gustav, assignor of one-half to F. Brodsky, New York, N. Y. Engine. No. 1,102,952; July 7; Gaz. vol. 204; p. 252.
- Prochazka, Otto, Detroit, Mich. Plug. No. 1,121,664; Dec. 22; Gaz. vol. 209; p. 1082.
- Prochnow, Otto, West Allis, Wis. Strap-support for guns. No. 1,115,737; Nov. 3; Gaz. vol. 208; p. 92.
- Prock, Joseph F., Chicago, Ill. Automatic register. No. 1,122,029; Dec. 22; Gaz. vol. 209; p. 1211.
- Pröckl, Franz, Gratz, Austria-Hungary. Coin-counting apparatus. No. 1,085,483; Jan. 27; Gaz. vol. 198; p. 840.
- Proctor, Charles M., Detroit, Mich. Removable tip for the contacting ends of armature-springs. No. 1,093,076; Apr. 14; Gaz. vol. 201; p. 361.
- Proctor, George S., and J. B. Prendergast, Ottawa, Ontario, Canada. Film-winding device. No. 1,113,247; Oct. 13; Gaz. vol. 207; p. 333.
- Procnunier, William L., Chicago, Ill. Bit and tap chuck. No. 1,117,241; Nov. 17; Gaz. vol. 208; p. 697.
- Proeger, Luis W., Pittsburgh, Pa. Apparatus for cutting off molten glass. No. 1,100,776; June 23; Gaz. vol. 203; p. 959.
- Profeto, Angelo, and H. E. Gross, Pittsburgh, Pa. Bedstead. No. 1,108,620; Aug. 25; Gaz. vol. 205; p. 1201.
- Proffitt, Chastain D., Richmond, Va. Balanced water-gate. No. 1,100,445; June 16; Gaz. vol. 203; p. 794.
- Proffitt, Luther, Mancelona, Mich. Steam-engine reversing-gear. No. 1,109,462; Sept. 1; Gaz. vol. 206; p. 214.
- Progress Machine Co. (See Muench, William C., assignor.)
- Progressive Manufacturing Co. (See Schmid, Daniel, assignor.)
- Progressive Manufacturing Company. (See Coughlin, Joseph D., assignor.)
- Progressive Manufacturing Company, The. (See Felmlee, John H., assignor.)
- Prokop, Frank, assignor of one-tenth to M. Vana, Milwaukee, Wis. Bit-stock. No. 1,120,334; Dec. 8; Gaz. vol. 209; p. 532.
- Prokop, Josef, Pardubitz, Austria-Hungary. Sifter. No. 1,100,149; June 16; Gaz. vol. 203; p. 691.
- Pronovost, Joseph, Helena, Mont. Tape-line holder. No. 1,100,325; June 16; Gaz. vol. 203; p. 752.
- Proper, James R., assignor to J. H. Proper, Los Angeles, Cal. Filter. No. 1,102,685; July 7; Gaz. vol. 204; p. 162.
- Proper, John P., Los Angeles, Cal. Transformable oil-nebulizing furnace. No. 1,099,099; June 2; Gaz. vol. 203; p. 248.
- Proper, Joseph H. (See Proper, James R., assignor.)
- Propson, Harry E., Plainville, assignor of one-half to L. M. Schmidt, New Britain, Conn. Perforated sheet-music. No. 1,090,344; Mar. 17; Gaz. vol. 200; p. 663.
- Proskey, Winfield S., Reno, Nev. Running-gear. No. 1,096,947; May 19; Gaz. vol. 202; p. 684.
- Prosser, Charles R., South Yarra, Melbourne, Victoria, Australia. Road-sweeping machine. No. 1,097,936; May 26; Gaz. vol. 202; p. 1075.
- Prosser, Henry B., assignor to Advance Terra Cotta Company, Chicago, Ill. Mold. No. 1,090,566; Mar. 17; Gaz. vol. 200; p. 742.
- Prosser, John E., *et al.* (See Lawson, Samuel C., assignor.)
- Prosser, John E., Tulsa, Okla. Drilling-bit. No. 1,104,543; July 21; Gaz. vol. 204; p. 895.
- Prosser, Solomon C., Onondaga, Mich. Clamping device. No. 1,084,899; Jan. 20; Gaz. vol. 198; p. 605.
- Protective Signal Manufacturing Company, The. (See Alexander, William W., assignor.)
- Protective Signal Manufacturing Company, The. (See Neahr, Will C., assignor.)
- Prött, Carl, Hagen, Germany. Mechanism for converting reciprocatory motion into rotary motion. No. 1,118,799; Nov. 24; Gaz. vol. 208; p. 1281.
- Prött, Carl H., Rheydt, Germany. Air-moistening apparatus. No. 1,094,592; Apr. 28; Gaz. vol. 201; p. 973.
- Proudfit, Alexander C., Princeton, N. J. Coupling for electrical conduits. No. 1,103,220; July 14; Gaz. vol. 204; p. 396.
- Proudfit, James M., Chicago, Ill. Book-leaf. No. 1,107,351; Aug. 18; Gaz. vol. 205; p. 709.
- Proulx, Ernest E., Willimansett, Mass. Valve mechanism for internal-combustion engines. No. 1,112,933; Oct. 6; Gaz. vol. 207; p. 182.
- Prouty, Edgar I., Albany, Oreg. Trousers-hanger. No. 1,102,545; July 7; Gaz. vol. 204; p. 114.
- Prouty, Edward N., and J. M. Ault, San Rafael, Cal. Spring-switch. No. 1,084,294; Jan. 13; Gaz. vol. 198; p. 373.
- Prouty, Frank D., Banning, Cal. Wave-motor. No. 1,090,751; Mar. 17; Gaz. vol. 200; p. 801.
- Prouty, Jessie B., *et al.* (See Matthew, Amos H., assignor.)

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 Prouty, Jessie B., and A. H. Matthew, Colville, Wash. Currycomb. No. 1,085,063; Jan. 20; Gaz. vol. 198; p. 659.
 Provan, Frank F., Marion, N. D. Whip-holder. No. 1,087,825; Feb. 17; Gaz. vol. 199; p. 877.
 Provandie, Herbert F., Melrose, assignor to American Water Supply Company of New England, Boston, Mass. Machine for forming paper receptacles. No. 1,107,225; Aug. 11; Gaz. vol. 205; p. 616.
 Provandie, Herbert F., Melrose, assignor to American Water Supply Company of New England, Boston, Mass. Machine for sealing bottom pieces in paper cups. No. 1,110,990; Sept. 15; Gaz. vol. 206; p. 835.
 Provay, Giuseppe A. P., Lourenço, Marquez, Portuguese East Africa. Truck-tippler or means for discharging the contents of trucks and like vehicles. No. 1,094,246; Apr. 21; Gaz. vol. 201; p. 796.
 Province, Roscoe. (See Bair, George R., assignor.)
 Prowell, Clarence E., Chester, Ill. Railway-spike. No. 1,083,559; Jan. 6; Gaz. vol. 198; p. 99.
 Prsco Manufacturing Company, The. (See Mazzeo, Salvatore, assignor.)
 Pruden, Clarence D. (See Hanna, James, assignor.)
 Pruden, Harry B., New Castle, Pa. Mixer for comminuted material. No. 1,120,534; Dec. 8; Gaz. vol. 209; p. 603.
 Pruden, Harry B., New Castle, Pa. Mixer for comminuted material. No. 1,120,535; Dec. 8; Gaz. vol. 209; p. 604.
 Prudhomme, François, Vienne, France. Manufacture of pig-iron. No. 1,092,168; Apr. 7; Gaz. vol. 201; p. 15.
 Pruefer, Walter H., assignor to Fischer and Pruefer, Providence, R. I. Forming button-shanks. No. 1,087,550; Feb. 17; Gaz. vol. 199; p. 782.
 Pruett, Joseph J., Walpole, Mass. Sash-holder. No. 1,097,108; May 19; Gaz. vol. 202; p. 740.
 Pruessman, Albert, Chicago, Ill., assignor to Western Electric Company, New York, N. Y. Moisture-proofing and moisture-proofed telephone and switchboard cord conductor. No. 1,120,849; Dec. 15; Gaz. vol. 209; p. 762.
 Pruitt, Charles B. (See Pruitt, Clifton A. and C. B.)
 Pruitt, Clifton A. and C. B., Anderson, S. C. Metallic shingle. No. 1,111,674; Sept. 22; Gaz. vol. 206; p. 1115.
 Pruitt, Richard T. (See Toepperwein, Ferdinand L., assignor.)
 Pruy, Francis L. (See Hamilton, James, assignor.)
 Pruy, Francis L., assignor to The Underpinning & Foundation Company, New York, N. Y. Device for removing material from underground pipes. No. 1,097,876; May 26; Gaz. vol. 202; p. 1053.
 Pryor, Noah B. (See Anderson, Lucius B., assignor.)
 Prystai, Alex. (See Mischansky, Stephen A., assignor.)
 Przespolewski, Stanislaw, Carnegie, Pa. Supporting-stand for newspapers, &c. No. 1,114,183; Oct. 20; Gaz. vol. 207; p. 703.
 Przespolewski, Stanislaw, Carnegie, Pa. Third-rail contact. No. 1,117,441; Nov. 17; Gaz. vol. 208; p. 767.
 Przybytko, Jozef, Sayreville, N. J. Hat-pin-point-protecting device. No. 1,089,867; Mar. 10; Gaz. vol. 200; p. 456.
 Psarski Dyeing Machine Company, The. (See Booth, Robert D., assignor.)
 Psarski, John T., Cleveland, Ohio. Apparatus for forming and preparing charges for dye-vats. No. 1,083,410; Jan. 6; Gaz. vol. 198; p. 52.
 Publicker, Philip, Philadelphia, Pa. Distilling apparatus. No. 1,087,907; Feb. 17; Gaz. vol. 199; p. 904.
 Publicker, Philip, Philadelphia, Pa. High-proof water-cooled spirit-distilling column. No. 1,109,701; Sept. 8; Gaz. vol. 206; p. 340.
 Puccia, Giovanni, New York, N. Y. Sofa-bed or arm-chair bed. No. 1,098,169; May 26; Gaz. vol. 202; p. 1155.
 Puch, Erste Steiermärkische Fahrrad-Fabriks Aktien-Gesellschaft, Johann. (See Reiner, Emil, assignor.)
 Puckett, Charles A., Brooklyn, N. Y. Supporting-table. No. 1,106,057; Aug. 4; Gaz. vol. 205; p. 165.
 Puckett, David D., *et al.* (See Harris and Graham, assignors.)
 Puckett, John C. (See Sargent, John L., assignor.)
 Puckett, Thomas G. (See Allyn, Walter S., assignor.)
 Puckett, Thomas G., *et al.* (See Harris and Graham, assignors.)
 Pue, Michael E., Marlinton, W. Va. Brake-operating device. No. 1,103,686; July 14; Gaz. vol. 204; p. 559.
 Puff, Emil. (See Duffy, Joseph D., assignor.)
 Puffe, Henry D., South Tacoma, Wash. Non-slipping device. No. 1,118,800; Nov. 24; Gaz. vol. 208; p. 1281.
 Puffer-Hubbard Mfg. Co. (See Hubbard, Arthur O., assignor.)
 Pugatsky, Max, and S. Mannes, New York, N. Y. Lining. No. 1,121,285; Dec. 15; Gaz. vol. 209; p. 914.
 Pugh, Frederick W., London, England. Movable glass panel for glass wind-screens. No. 1,107,352; Aug. 18; Gaz. vol. 205; p. 709.
 Pugh, Milton E., assignor of one-third to L. C. Pollock and one-third to F. Hartman, Dayton, Ohio. Window-cleaning device. No. 1,113,165; Oct. 6; Gaz. vol. 207; p. 260.
 Pugh, Solon G., assignor to Modern Die and Plate Press Manufacturing Company, Belleville, Ill. Stock-moistener for plate-printing presses. No. 1,096,055; May 12; Gaz. vol. 202; p. 336.
 Pugh, William D., Fletcher, Okla. Combination wood and concrete silo. No. 1,089,010; Mar. 3; Gaz. vol. 200; p. 115.
 Pugh, William M., Pocahontas, Va. Rail-joint. No. 1,093,727; Apr. 21; Gaz. vol. 201; p. 624.
 Pugliatti, Thomas P. (See Restucci, Giuseppe, assignor.)
 Pugsley, William E., assignor of one-half to L. S. Carrel, Grand Rapids, Mich. Automobile-top. No. 1,100,911; June 23; Gaz. vol. 203; p. 1007.
 Pukropp, Stanley J., Sturgeon Lake, Minn. Wire-tapper. No. 1,100,614; June 16; Gaz. vol. 203; p. 849.
 Puleston, Frederick. (See Laude and Puleston.)
 Pulfrich, Carl, assignor to Firm of C. Zeiss, Jena, Germany. Stereoscopic ocular. No. 1,096,642; May 12; Gaz. vol. 202; p. 536.
 Pullar, Francis T. (See Shave and Pullar.)
 Pullen, Alfred R., Hill-Top Crescent, Manly, near Sydney, New South Wales, Australia. Method of propelling ships and boats and apparatus therefor. No. 1,116,117; Nov. 3; Gaz. vol. 208; p. 223.
 Pullen, David, Hudson, Ky. Land-roller. No. 1,113,141; Oct. 6; Gaz. vol. 207; p. 251.
 Pullen, Edward P., Hackensack, assignor to B. T. Babbitt, Jersey City, N. J. Sifting-top can. No. 1,118,049; Nov. 24; Gaz. vol. 208; p. 1021.
 Pulliam, Oswald S., Pittsburgh, Pa. Car-underframe. No. 1,112,556; Oct. 6; Gaz. vol. 207; p. 51.
 Pulliam, Oswald S., Pittsburgh, Pa., assignor, by mesne assignments, to Double Body Bolster Company, St. Louis, Mo. Underframe for cars. No. 1,106,110; Aug. 4; Gaz. vol. 205; p. 184.
 Pulliam, Oswald S., Pittsburgh, and J. Allison, Dravosburg, assignors to Pittsburgh Equipment Company, Pittsburgh, Pa. Side-frame construction. No. 1,117,518; Nov. 17; Gaz. vol. 208; p. 795.
 Pullman Couch Company. (See Bartlett, Harry D., assignor.)
 Pullman Couch Company. (See Davis, Fred M., assignor.)
 Pullman Company, The. (See Pfager, Paul L., assignor.)
 Pullman, Irving W., Bristol, Vt. Milk-pail. No. 1,103,431; July 14; Gaz. vol. 204; p. 465.
 Pulsometer Engineering Company Limited, The. (See Marlow, Thomas G., assignor.)
 Pummill, Leonidas H., Hartwell, Ohio. Advertising device. No. 1,115,021; Oct. 27; Gaz. vol. 207; p. 1051.
 Pumphrey, Walter H., New York, N. Y., assignor to American Graphophone Company, Bridgeport, Conn. Talking-machine. No. 1,087,256; Feb. 17; Gaz. vol. 199; p. 680.
 Purcell, A. R. (See Aten, Merritt L., assignor.)
 Purcell, John J., Burke, Idaho. Rock-drill. No. 1,109,782; Sept. 8; Gaz. vol. 206; p. 367.
 Purcell, Jonathan W., and C. W. Pettijohn, Marcola, Oreg. Logging-bunk. No. 1,087,826; Feb. 17; Gaz. vol. 199; p. 878.
 Purcell, William F., Hornell, N. Y. Automatic train-stopping apparatus. No. 1,109,463; Sept. 1; Gaz. vol. 206; p. 214.
 Purchas, Arthur W., Oilfields, Cal. Clutch and brake control for shafts. No. 1,114,286; Oct. 20; Gaz. vol. 207; p. 739.
 Purdy, John S., Houston Heights, Tex. Picket-fence machine. No. 1,089,438; Mar. 10; Gaz. vol. 200; p. 308.
 Purdy, John S., Houston Heights, Tex. Picket-pointer. No. 1,109,147; Sept. 1; Gaz. vol. 206; p. 103.
 Purdy, Joseph S. L. (See Randall, William P., assignor.)
 Pure Water Apparatus Company. (See Hodges, Horace F., assignor.)
 Purified Petroleum Products Company, The. (See Hamilton, Thomas S., assignor.)
 Purington, Orren D., Providence, R. I. Ironing-machine. No. 1,100,096; June 16; Gaz. vol. 203; p. 673.
 Purington, Silas M., New York, N. Y. Valve-packing. No. 1,083,857; Jan. 6; Gaz. vol. 198; p. 195.
 Purkey, Benjamin S., Tacoma, Wash. Insulator. No. 1,107,111; Aug. 11; Gaz. vol. 205; p. 573.
 Purnell, Benjamin, Benton Harbor, Mich. Game apparatus. No. 1,097,937; May 26; Gaz. vol. 202; p. 1075.
 Purnell, Benjamin, Benton Harbor, Mich. Game apparatus. No. 1,097,938; May 26; Gaz. vol. 202; p. 1076.
 Purple, George E., La Grange, assignor to Flexible Steel Lacing Company, Chicago, Ill. Belt-fastening. No. 1,092,859; Apr. 14; Gaz. vol. 201; p. 288.
 Purse, Reginald, Chattanooga, Tenn. Game. No. 1,099,615; June 9; Gaz. vol. 203; p. 470.
 Purser, Alexander, Driefontein, Transvaal, South Africa. Valve or cock. No. 1,119,191; Dec. 1; Gaz. vol. 209; p. 102.
 Pursglove, William T., assignor to The A. Mecky Company, Philadelphia, Pa. Seat for velocipedes and other vehicles. No. 1,114,648; Oct. 20; Gaz. vol. 207; p. 865.
 Purvis, George, Detroit, Mich. Blow-off for boilers. No. 1,098,836; June 2; Gaz. vol. 203; p. 162.
 Purvis, John B., Detroit, Mich. Indicator. No. 1,114,517; Oct. 20; Gaz. vol. 207; p. 822.
 Purvis, Robert C., Seaford, Del. Armor for pneumatic tires. No. 1,112,030; Sept. 29; Gaz. vol. 206; p. 1273.

Alphabetical list of patentees—Continued.

- Pusey & Jones Company, The. (See Mellinger, Harrigan, Coppage, McDowell, Vedder, and Strobel, assignors.)
- Puskás, Bálint, Windber, Pa. Exhaust apparatus for mines. No. 1,083,758; Jan. 6; Gaz. vol. 198; p. 166.
- Puskás, Bálint, and A. Tarian, Windber, Pa. Buffer for vessels. No. 1,102,076; June 30; Gaz. vol. 203; p. 1464.
- Pussinen, John A., Fort Bragg, Cal. Bed. No. 1,087,827; Feb. 17; Gaz. vol. 199; p. 878.
- Putman, John M., Mobile, Ala. Musical instrument. No. 1,092,507; Apr. 7; Gaz. vol. 201; p. 133.
- Putnam, C. C., administrator. (See McGovern, Daniel F., assignor.)
- Putnam, Charley W., Allendale, Ill. Monorail system. No. 1,110,231; Sept. 8; Gaz. vol. 206; p. 529.
- Putnam, Clesson W. (See Putnam, William H. and C. W.)
- Putnam, Daniel G., and G. Boersma, Traverse City, Mich. Acetylene-gas generator. No. 1,108,232; Aug. 25; Gaz. vol. 205; p. 1066.
- Putnam, Edward E. (See Weathersby and Putnam.)
- Putnam, Florence M., *et al.* (See Putnam, Israel, assignor.)
- Putnam, Frank L., Lihue, Hawaii. Elevated carrier. No. 1,089,264; Mar. 3; Gaz. vol. 200; p. 202.
- Putnam, Franklin W., Binghamton, N. Y. Deflation-indicator. No. 1,087,979; Feb. 24; Gaz. vol. 199; p. 978.
- Putnam, Franklin W., Binghamton, N. Y. Safety appliance for automobiles. No. 1,098,355; May 26; Gaz. vol. 202; p. 1221.
- Putnam, Fred A., Melrose, assignor to Markem Machine Company, Boston, Mass. Machine for embossing or marking leather. No. 1,108,518; Aug. 25; Gaz. vol. 205; p. 1166.
- Putnam, Fred A., Melrose, assignor to Markem Machine Company, Boston, Mass. Printing-machine. No. 1,109,938; Sept. 8; Gaz. vol. 206; p. 424.
- Putnam, Fred A., Melrose, and O. J. Locke, Newton, assignors to Markem Machine Co., Boston, Mass. Inking mechanism for printing-machines. No. 1,101,470; June 23; Gaz. vol. 203; p. 1199.
- Putnam, George B., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,119,040; Dec. 1; Gaz. vol. 209; p. 50.
- Putnam, George D., St. Louis, Mo. Die. No. 1,109,783; Sept. 8; Gaz. vol. 206; p. 367.
- Putnam, George F., Goodrich, assignor, by mesne assignments, to The Lufkin Rule Co., Saginaw, Mich. Tape-reel. No. 1,106,969; Aug. 11; Gaz. vol. 205; p. 528.
- Putnam, George F., and H. H. Wessendorff, Flint, assignors, by mesne assignments, to The Lufkin Rule Co., Saginaw, Mich. Tape case and winding-drum. No. 1,105,579; July 28; Gaz. vol. 204; p. 1304.
- Putnam, George H., Boston, Mass. Wheel-guard for street-cars. No. 1,107,112; Aug. 11; Gaz. vol. 205; p. 573.
- Putnam, Israel, assignor of one-half to F. M. Putnam and one-half to C. L. Hart, Elmira, N. Y. Coop. No. 1,109,177; Sept. 1; Gaz. vol. 206; p. 115.
- Putnam, James R., assignor to Waterbury Clock Co., Waterbury, Conn. Intermittent and long alarm clock. No. 1,110,714; Sept. 15; Gaz. vol. 206; p. 740.
- Putnam, Mark N., Wichita, Kans. Window-sash lock. No. 1,110,007; Sept. 8; Gaz. vol. 206; p. 448.
- Putnam, William E., Jr., Brookline, Mass. Fire-extinguisher. No. 1,098,837; June 2; Gaz. vol. 203; p. 162.
- Putnam, William H., and M. C. Ready, New York, N. Y. Wrapping material and container. No. 1,116,918; Nov. 10; Gaz. vol. 208; p. 545.
- Putnam, William H., New York, N. Y., and C. W. Putnam, assignors to B. F. Perkins & Son, Inc., Holyoke, Mass. Strength-testing machine for sheets and fabrics. No. 1,116,118; Nov. 3; Gaz. vol. 208; p. 223.
- Putnam, William T., Danville, Ill. Lawn-edge trimmer and gutter-former. No. 1,101,713; June 30; Gaz. vol. 203; p. 1334.
- Putney, David, Weiser, Idaho. Animal-trap. No. 1,116,482; Nov. 10; Gaz. vol. 208; p. 387.
- Putney, David, Weiser, Idaho. Animal-trap. No. 1,116,483; Nov. 10; Gaz. vol. 208; p. 388.
- Putney, Simmie S., Elgin, Okla. Wire clothes-pin. No. 1,119,116; Dec. 1; Gaz. vol. 209; p. 76.
- Putter, Jacob, St. Joseph, Mo. Wheel. No. 1,100,027; June 16; Gaz. vol. 203; p. 648.
- Putter, Jacob E., St. Joseph, Mo. Electric incandescent lamp. No. 1,096,859; May 19; Gaz. vol. 202; p. 652.
- Putz, Ferdinand, Cassel, Germany. Microscope. No. 1,117,242; Nov. 17; Gaz. vol. 208; p. 698.
- Pybus, George W., Toronto, Ontario, Canada. Nut-lock. No. 1,091,959; Mar. 31; Gaz. vol. 200; p. 1291.
- Pye, William, Waterbury, Conn. Hat-shaper. No. 1,087,683; Feb. 17; Gaz. vol. 199; p. 831.
- Pykett, Smith, Chicago, Ill. Adjustable shut-off. No. 1,111,805; Sept. 29; Gaz. vol. 206; p. 1199.
- Pyle, James W., New York, N. Y. Automatic pump-lock and dead-line killer for monotype-machines. No. 1,116,734; Nov. 10; Gaz. vol. 208; p. 480.
- Pyle, John S., Toledo, Ohio. Anesthetic-administering apparatus. No. 1,084,029; Jan. 13; Gaz. vol. 198; p. 285.
- Pyle-National Electric Headlight Company. (See Dake, Charles W., assignor.)
- Pyraform Bottle Manufacturing Company. (See Poffenbarger, William L., assignor.)
- Pyramid Fire Grate Company. (See Haas, Vincent M., assignor.)
- Pyramiden Fliegenfängerfabrik Max Dametz, G. m. b. H. (See Träger, Karl, assignor.)
- Pyrene Manufacturing Company. (See Durkee, Joseph W., assignor.)
- Pyrene Manufacturing Company. (See MacGregor, Peter G., assignor.)
- Pyron, John M., Wills Point, Tex. Safety-pin. No. 1,108,786; Aug. 25; Gaz. vol. 205; p. 1256.
- Q. & C. Company. (See Clark, Charles S., assignor.)
- Q-P Signal Company, The. (See Queen and Pickett, assignors.)
- Quaas, Max, Philadelphia, Pa., assignor to Sanitary Paper Bottle Company, Wilmington, Del. Tube-making mechanism. No. 1,116,735; Nov. 10; Gaz. vol. 208; p. 480.
- Quackenbush, Charles G., Toledo, Ohio. Table. No. 1,090,752; Mar. 17; Gaz. vol. 200; p. 801.
- Quackenbush, Charles G., Toledo, Ohio. Shipping-case. No. 1,100,326; June 16; Gaz. vol. 203; p. 752.
- Quackenbush, Rena D., Mason City, Iowa. Toilet or water-closet seat cover. No. 1,088,090; Feb. 24; Gaz. vol. 199; p. 1017.
- Quaker City Clock Advertising Co. (See Carey and Leonard, assignors.)
- Quaker Lace Company. (See Waterfield, James, assignor.)
- Quaker Manufacturing Company. (See Hunt, Thomas E., assignor.)
- Quantrell, William R., Charlotte, Mich. Fruit-gatherer. No. 1,122,802; Dec. 29; Gaz. vol. 209; p. 1516.
- Quarnstrom, Andrew P., New York, N. Y. Reversing mechanism. No. 1,115,568; Nov. 3; Gaz. vol. 208; p. 34.
- Quasapic Company. (See Donnelly, Alexander G., assignor.)
- Quatmann, Richard C., assignor of one-half to J. C. Walz, Hot Springs, Ark. Cleaning mechanism. No. 1,122,637; Dec. 29; Gaz. vol. 209; p. 1457.
- Quay, Carpenter J., Meadville, Pa. Train-order holder. No. 1,087,828; Feb. 17; Gaz. vol. 199; p. 878.
- Quayle, B. L., *et al.* (See Cummins, Herbert L., assignor.)
- Quayle, Bert L. (See Glynn and Quayle.)
- Quayle, Sidney. (See Hinson, Robert E., assignor.)
- Queal, Henry B., Kewanee, Ill. Rotary drink-mixer. No. 1,119,370; Dec. 1; Gaz. vol. 209; p. 163.
- Queen, Ralph L., Millville, N. J. Trolley-guard. No. 1,108,394; Aug. 25; Gaz. vol. 205; p. 1123.
- Queen, Walter K., and T. F. Pickett, Needham Heights, Mass. Electric sign. No. 1,120,971; Dec. 15; Gaz. vol. 209; p. 804.
- Queen, Walter K., and T. F. Pickett, Needham Heights, Mass., assignors to The Q-P Signal Company. Direction-indicator for electromechanical telegraph systems. No. 1,091,242; Mar. 24; Gaz. vol. 200; p. 1005.
- Queeney, Frank E., New York, N. Y., assignor to General Vehicle Company, Incorporated. Battery-cradle-supporting mechanism for vehicles. No. 1,112,321; Sept. 29; Gaz. vol. 206; p. 1375.
- Queiser, Friedrich, Philadelphia, Pa., assignor to G. Josephy's Erben, Bielitz, Austria-Hungary. Tape-condenser. No. 1,092,595; Apr. 7; Gaz. vol. 201; p. 163.
- Quellenec, Edouard M., Paris, France. Self-propelled plowing-machine. No. 1,108,787; Aug. 25; Gaz. vol. 205; p. 1256.
- Queneau, Augustin L. J., Torresdale, assignor to Queneau Electric Zinc Furnace Company, Philadelphia, Pa. Metallurgy of zinc. No. 1,114,036; Oct. 20; Gaz. vol. 207; p. 648.
- Queneau Electric Zinc Furnace Company. (See Queneau, Augustin L. J., assignor.)
- Quensel, Lester S., Evanston, Ill. Uncoupling device for cars. No. 1,085,940; Feb. 3; Gaz. vol. 199; p. 128.
- Quentell, William P., Montclair, N. J. Calculating-machine. No. 1,104,385; July 21; Gaz. vol. 204; p. 838.
- Quertier, Hilary, Wellington, New Zealand. Printing apparatus. No. 1,088,180; Feb. 24; Gaz. vol. 199; p. 1047.
- Quertinmont, Jules J., Point Marion, Pa. Apparatus for making wire-glass. No. 1,119,535; Dec. 1; Gaz. vol. 209; p. 219.
- Quesnoy, Alme T., Cambria, Wyo. Wire-stretcher. No. 1,091,705; Mar. 31; Gaz. vol. 200; p. 1202.
- Quick, Albert, and B. E. Baker, Atwood, Ill. Fruit-picker. No. 1,088,295; Feb. 24; Gaz. vol. 199; p. 1087.
- Quick, Arthur S., assignor to M. Bartholomew, London, England. Plastic composition. No. 1,084,900; Jan. 20; Gaz. vol. 198; p. 605.
- Quick, Harry C., Oakland, assignor to H. S. Stewart, San Francisco, Cal. Deflated-tire detector. No. 1,115,022; Oct. 27; Gaz. vol. 207; p. 1051.
- Quick, John E. (See Wilson and Quick.)
- Quick, Napoleon B., Glen Spey, N. Y. Ice-cutting machine. No. 1,096,860; May 19; Gaz. vol. 202; p. 653.
- Quickel, Henry F., Harrisburg, Pa. Furnace-regulator. No. 1,104,311; July 21; Gaz. vol. 204; p. 811.
- Quidas, Frederick W., Brooklyn, N. Y. Developing-tray. No. 1,103,076; July 14; Gaz. vol. 204; p. 344.
- Quiggle, Malcolm W., and G. E. Bailey, Los Angeles, Cal.; said Bailey assignor to said Quiggle. Timed detonator for explosives. No. 1,088,448; Feb. 24; Gaz. vol. 199; p. 1138.
- Quigley, Edward J., Newark, N. J. Collar. No. 1,091,017; Mar. 24; Gaz. vol. 200; p. 926.

Alphabetical list of patentees—Continued.

- Quigley, George W. (See Heath, Charles B., assignor.)
 Quigley, John J., Verona, Pa. Envelop moistening and sealing device. No. 1,086,081; Feb. 3; Gaz. vol. 199; p. 181.
 Quigley, Joseph, Dunoon, assignor to W. J. Semple, Glasgow, Scotland. Automatic projecting-lantern. No. 1,089,788; Mar. 10; Gaz. vol. 200; p. 429.
 Quigley, W. F. (See Dueber, Martin, assignor.)
 Quigley, Wirt S., Rockaway Park, N. Y. Oil-burner. No. 1,104,386; July 21; Gaz. vol. 204; p. 838.
 Quigley, Wirt S., Rockaway Park, N. Y. Apparatus for heating ovens. No. 1,107,353; Aug. 18; Gaz. vol. 205; p. 709.
 Quill, John P., Chicago, Ill. Pneumatic-tire shield. No. 1,109,784; Sept. 8; Gaz. vol. 206; p. 367.
 Quimby, G. C., *et al.* (See Richman, Louis P., assignor.)
 Quimby, William J., assignor to The Hayward Company, New York, N. Y. Digging and dredging machinery. No. 1,108,001; Aug. 18; Gaz. vol. 205; p. 937.
 Quin, Charles W., Centralia, Wash. Safety device. No. 1,103,221; July 14; Gaz. vol. 204; p. 396.
 Quin, George A., Toronto, Ontario, Canada. Coupling. No. 1,109,016; Sept. 1; Gaz. vol. 206; p. 56.
 Quincy, Frederick J., assignor to Englander Spring Bed Company, Brooklyn, N. Y. Couch and couch-bed. No. 1,089,723; Mar. 10; Gaz. vol. 200; p. 407.
 Quinlan, James A., Southington, Conn. Chuck. No. 1,095,672; May 5; Gaz. vol. 202; p. 170.
 Quinlan, Michael, Bristol, assignor to New Haven Mills Manufacturing Company, New Haven Mills, Vt. Box-forming machine. No. 1,101,038; June 23; Gaz. vol. 203; p. 1052.
 Quinlan, Peter J., Marietta, Ohio. Auxiliary regulating device for pressure-regulators. No. 1,111,493; Sept. 22; Gaz. vol. 206; p. 1052.
 Quinn, Ambrose A., Pittsburgh, Pa. Refrigerator. No. 1,101,880; June 30; Gaz. vol. 203; p. 1393.
 Quinn, Charles C., *et al.* (See Glenn, Allen, assignor.)
 Quinn, Charles J., *et al.* (See Glenn, Allen, assignor.)
 Quinn, Edward J., and J. M. Malley, assignors to Morgan Construction Company, Worcester, Mass. Conveyor. No. 1,114,037; Oct. 20; Gaz. vol. 207; p. 648.
 Quinn, James A., assignor of one-half to J. B. Starkey, New York, N. Y. Linotype-machine. No. 1,097,877; May 26; Gaz. vol. 202; p. 1053.
 Quinn, James J., assignor of one-third to W. S. Sykes, Chester, Pa. Puzzle. No. 1,094,866; Apr. 28; Gaz. vol. 201; p. 1070.
 Quinn, John C., assignor to The Acme Furnace Equipment Company, New York, N. Y. Burning bricks. No. 1,102,546; July 7; Gaz. vol. 204; p. 114.
 Quinn, John J., New York, N. Y. Fire-escape. No. 1,086,617; Feb. 10; Gaz. vol. 199; p. 409.
 Quinn, John T., Stockton, Cal., assignor to H. B. Alger, Lakeview, Oreg. Parachute-gun. No. 1,102,166; June 30; Gaz. vol. 203; p. 1495.
 Quinn, Lawrence R., assignor to Reed Manufacturing Company, Newark, N. Y. Cover fastener or clamp. No. 1,111,272; Sept. 22; Gaz. vol. 206; p. 977.
 Quint, Bonner R. (See Conger and Quint.)
 Quirk, William J. (See Ballem, Henry J., assignor.)
 Quisenberry, Madison, and A. P. Hamblen, Prentiss, Okla. Sack. No. 1,084,228; Jan. 13; Gaz. vol. 198; p. 354.
 Quisling, Rasmus H., Christiania, Norway. Portable gun for throwing grenades and the like. No. 1,087,608; Feb. 17; Gaz. vol. 199; p. 802.
 Quist, Charles, Fruitvale, assignor of one-third to N. Quist, Haywards, Cal. Insect-trap. No. 1,093,291; Apr. 14; Gaz. vol. 201; p. 436.
 Quist, Nils. (See Quist, Charles, assignor.)
 Qviller, Theodor, Lillestrømmen, and H. Stub, Christiania, Norway. Pulp-strainer. No. 1,092,389; Apr. 7; Gaz. vol. 201; p. 91.
 R. Heinisch's Sons Co. (See Van Tine, David W., assignor.)
 R. Hoe and Co. (See Church, George W., assignor.)
 R. Hoe and Co. (See Cooper, Ellis W., assignor.)
 R. Hoe and Co. (See Cruse, Amandus H., assignor.)
 R. Hoe and Co. (See Niles, Irving F., assignor.)
 R. Hoe and Co. (See Redd, Benoist S., assignor.)
 R. Hoe and Co. (See Roesen, Oscar, assignor.)
 R. Hoe and Co. (See Schmidt, Louis A., assignor.)
 R. Hoe and Co. (See Seymour, Ralph C., assignor.)
 R. Hoe and Co. (See Sheldon, Edward P., assignor.)
 R. Hoe and Co. (See Spalckhaver, William, assignor.)
 R. Hoe and Co. (See Zallud, Charles, assignor.)
 R. Neumann Hardware Co., The. (See Isidor, Joseph S., assignor.)
 R. Neumann Hardware Co., The. (See Tueckmantel, Hugo, assignor.)
 R. Thomas and Sons Company, The. (See Sandford, Joseph A., Jr., assignor.)
 R. D. Nuttall Company. (See Moore, William E., assignor.)
 R. E. Dietz Company. (See Dietz, Frederick, assignor.)
 R. E. T. Construction Company Limited, The. (See Munro, Edward M., assignor.)
 R. F. Simmons Company. (See Smith, Ezra S., assignor.)
 R and G Company. (See Anderson, Edward L., assignor.)
 R. & G. Corset Company. (See Somers and Dimond, assignors.)
 R. H. Herron Company. (See Kinney, Charles L., assignor.)
 R. H. Long Machinery Company, The. (See Doidge, John J., assignor.)
 R. J. Reynolds Tobacco Company. (See Richter, Hans F., assignor.)
 R. K. Le Blond Machine Tool Company, The. (See Le Blond and Groene, assignors.)
 R. N. Bassett Company, The. (See Stuart, Henry J., assignor.)
 R. S. Mueller & Company. (See Dusenberre, George B., assignor.)
 R. T. P. Patent Wheels Proprietary Limited. (See Park, Richard T., assignor.)
 R. U. V. Company, The. (See Henri, Helbronner, and Recklinghausen, assignors.)
 Raab, Andrew. (See Raab, John and A.)
 Raab, Carl H., Fond du Lac, Wis. Dust-collector and water-trap. No. 1,085,159; Jan. 27; Gaz. vol. 198; p. 730.
 Raab, Heinrich, Pirmasens, Germany. Shoe machinery. No. 1,105,834; Aug. 4; Gaz. vol. 205; p. 87.
 Raab, John and A., Tacoma, Wash. Shock-absorber. No. 1,109,546; Sept. 1; Gaz. vol. 206; p. 241.
 Raabe, Otto L., Hayes, England, assignor to The Goss Printing Press Company, Chicago, Ill. Movable journal-box. No. 1,102,801; July 7; Gaz. vol. 204; p. 202.
 Raabe, Otto L., and A. Terrey, Hayes, England, assignors to The Goss Printing Press Company, Chicago, Ill. Printing-machine. No. 1,111,321; Sept. 22; Gaz. vol. 206; p. 992.
 Raabe, Walter, Cöthen, Germany, assignor of one-half to E. C. Post, Ann Arbor, Mich. Apparatus for extraction of sugar-juices. No. 1,089,495; Mar. 10; Gaz. vol. 200; p. 329.
 Raaberg, Sophus, *et al.* (See Lavo, Edward A., assignor.)
 Rabas, Rudolph, Chicago, Ill. Safety-razor. No. 1,091,018; Mar. 24; Gaz. vol. 200; p. 927.
 Rabat, Milford J., New York, N. Y. Fountain-syringe pressure-clamp. No. 1,102,953; July 7; Gaz. vol. 204; p. 253.
 Rabba, Heinrich, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Barrel recoil gun. No. 1,089,078; Mar. 3; Gaz. vol. 200; p. 138.
 Rabba, Heinrich, Essen-Rüttenscheid, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Gun-barrel. No. 1,089,079; Mar. 3; Gaz. vol. 200; p. 138.
 Rabba, Heinrich, and F. Stock, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Wheel. No. 1,089,959; Mar. 10; Gaz. vol. 200; p. 489.
 Rabbett, William H. (See Van Derwerken, Theodore E., assignor.)
 Rabenalt, Gustav H., Buffalo, N. Y., assignor to Gould Storage Battery Company. Apparatus for treating battery-plates. No. 1,104,272; July 21; Gaz. vol. 204; p. 798.
 Rabenalt, Gustav H., Buffalo, N. Y., assignor to Gould Storage Battery Company. Treating battery-plates. No. 1,104,273; July 21; Gaz. vol. 204; p. 798.
 Raber, Nathan L. (See Paget and Raber.)
 Rabinowitz, Philip. (See Goldfarb, Nathan J., assignor.)
 Rach, Carl, Stapleton, N. Y. Rotary press. No. 1,092,800; Apr. 7; Gaz. vol. 201; p. 232.
 Racine, Louis, St. Gedeon de Beauce, Quebec, Canada. Plow-beam. No. 1,106,582; Aug. 11; Gaz. vol. 205; p. 393.
 Racine-Sattley Company, The. (See Weaver, Ira A., assignor.)
 Racine Tool and Machine Company. (See Jones, Hugh H., assignor.)
 Rackoff, Adolph A., New York, N. Y. Cuspidor. No. 1,103,832; July 14; Gaz. vol. 204; p. 607.
 Rackoff, Adolph A., New York, N. Y. Fountain-brush. No. 1,112,094; Sept. 29; Gaz. vol. 206; p. 1296.
 Raclot, Jules, and C. Enderlin, St. Maur des Fossés, France. Combustion-compressor. No. 1,083,943; Jan. 13; Gaz. vol. 198; p. 254.
 Raclot, Jules, and C. Enderlin, St. Maur-des-Fossés, France. Feed-valve for internal-combustion turbines. No. 1,086,216; Feb. 3; Gaz. vol. 199; p. 224.
 Raclot, Jules, and C. Enderlin, St. Maur des Fossés, France. Internal-combustion turbine. No. 1,118,801; Nov. 24; Gaz. vol. 208; p. 1281.
 Ractliffe, George, assignor, by mesne assignments, to J. T. Pratt, New York, N. Y. Internal-combustion engine. No. 1,108,473; Aug. 25; Gaz. vol. 205; p. 1149.
 Racz, Julius, assignor to Perfection Shingle & Roofing Company, Detroit, Mich. Roofing compound. No. 1,087,400; Feb. 17; Gaz. vol. 199; p. 729.
 Raczynski, Wladimir von, Posen, Germany. Hauling device for agricultural machines. No. 1,104,312; July 21; Gaz. vol. 204; p. 811.
 Radaszewski, Frank, Niagara Falls, N. Y. Permutation-padlock. No. 1,102,167; June 30; Gaz. vol. 203; p. 1495.
 Radatz, Charles F., Kenosha Heights, Wis. Traction-harvester. No. 1,096,562; May 12; Gaz. vol. 202; p. 508.
 Radcliff, Brad. S. (See Grimes, G. E. Ford, assignor.)

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- Radcliffe, Carlton R., New York, N. Y. Hydraulic power-transmitting apparatus. No. 1,121,397; Dec. 15; Gaz. vol. 209; p. 952.
- Radcliffe, Carlton R., assignor, by mesne assignments, to The Scientific Research Co., New York, N. Y. Hydraulic power-transmitting apparatus. No. 1,122,302; Dec. 29; Gaz. vol. 209; p. 1342.
- Radcliffe, Carlton R., assignor, by mesne assignments, to The Scientific Research Co., New York, N. Y. Hydraulic power-transmitting apparatus. No. 1,122,303; Dec. 29; Gaz. vol. 209; p. 1343.
- Raddatz, Richard. (See Matchette and Raddatz.)
- Raddick, David J., Nordhoff, Cal. Oil-burner. No. 1,097,188; May 19; Gaz. vol. 202; p. 768.
- Rader, August C., Upper Montclair, N. J. Curtain-fixture. No. 1,113,689; Oct. 13; Gaz. vol. 207; p. 488.
- Rader, August C., Upper Montclair, N. J. Curtain-fixture. No. 1,113,690; Oct. 13; Gaz. vol. 207; p. 489.
- Radford, Stephen C., Oshkosh, Wis. Button. No. 1,096,643; May 12; Gaz. vol. 202; p. 536.
- Radford, Wilbur H., Athens, Ohio. Loose-leaf binder. No. 1,087,609; Feb. 17; Gaz. vol. 199; p. 803.
- Radford, Wilbur H., Athens, Ohio. Book. No. 1,091,162; Mar. 24; Gaz. vol. 200; p. 977.
- Radich, Achatius von, Budapest, Austria-Hungary. Flushing device for water-closets. No. 1,083,782; Jan. 6; Gaz. vol. 198; p. 172.
- Radio Telephone & Telegraph Company. (See De Forest, Lee, assignor.)
- Radium Colour Company Limited. (See Hobden, Henry F., assignor.)
- Radium Washing Compound Products Company. (See Baldwin, Edward, assignor.)
- Radke, Theodore J., Chicago, Ill. Water-controlled gas-distributing valve. No. 1,086,557; Feb. 10; Gaz. vol. 199; p. 386.
- Radlein, Albert L., and J. W. Murphy, Chicago, Ill. Chemical heater. No. 1,088,926; Mar. 3; Gaz. vol. 200; p. 87.
- Radlein, Albert L., and G. Selander, Chicago, Ill. Rotary scratch-brush. No. 1,107,354; Aug. 18; Gaz. vol. 205; p. 710.
- Radley, Guy R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,110,821; Sept. 15; Gaz. vol. 206; p. 776.
- Radley, Guy R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,119,987; Dec. 8; Gaz. vol. 209; p. 410.
- Radley, John J., New York, N. Y. Combined pad-holder and paper-weight. No. 1,105,835; Aug. 4; Gaz. vol. 205; p. 87.
- Radtke, William E., Milwaukee, Wis. Making printers' overlays and underlays. No. 1,105,159; July 28; Gaz. vol. 204; p. 1154.
- Radwan, Andrew, Passaic, N. J. Garment-hanger. No. 1,122,304; Dec. 29; Gaz. vol. 209; p. 1343.
- Rae, Andrew. (See Rose and Rae.)
- Rae Electric Company. (See Rae, Frank B., assignor.)
- Rae, Frank B., Springfield, Vt., assignor, by mesne assignments, to Rae Electric Company. Vehicle driving-gear. No. 1,117,243; Nov. 17; Gaz. vol. 208; p. 698.
- Rae, George, Portland, Oreg. Manufacturing reinforced-concrete pressure-pipes. No. 1,107,235; Aug. 11; Gaz. vol. 205; p. 620.
- Raeger, George C., Waterloo, N. Y. Expansion-nail. No. 1,104,544; July 21; Gaz. vol. 204; p. 895.
- Raes, John, et al. (See Raes, Joseph, assignor.)
- Raes, Joseph, Schenectady, N. Y., assignor, by mesne assignments, of thirteen-fiftieths to E. F. Wetherell, four twenty-fiftieths to S. W. Berry, Lynn, Mass., and four twenty-fiftieths to J. Raes, Long Island City, N. Y. Portable wireless-station tower. No. 1,099,861; June 9; Gaz. vol. 203; p. 554.
- Rafert, John D., Cleveland, Ohio. Arm-supporter. No. 1,083,338; Jan. 6; Gaz. vol. 198; p. 26.
- Raffel, Jacob M., Baltimore, Md. Box-fastening. No. 1,121,286; Dec. 15; Gaz. vol. 209; p. 914.
- Raffel, Tobias E., New York, N. Y., assignor to Paper Working Machines Co. Cutting mechanism. No. 1,085,356; Jan. 27; Gaz. vol. 198; p. 799.
- Raffel, Tobias E., New York, N. Y., assignor to Paper Working Machines Co. Tube-machine. No. 1,103,378; July 14; Gaz. vol. 204; p. 448.
- Rafferty, George C., et al. (See Hunter, Ira, assignor.)
- Rafferty, Robert G., Erie, Pa. Lifting-clamp. No. 1,121,130; Dec. 15; Gaz. vol. 209; p. 862.
- Rafn, Robert, Nuremberg, Germany. Coating flexible objects of organic origin with metal. No. 1,118,878; Nov. 24; Gaz. vol. 208; p. 1308.
- Rafn, Robert, and G. E. Schmidmer, Nuremberg, Germany. Coating of flexible objects of organic origin with metal. No. 1,099,934; June 16; Gaz. vol. 203; p. 616.
- Ragan, Charles, Buffalo, N. Y. Tire-inflator. No. 1,103,833; July 14; Gaz. vol. 204; p. 607.
- Ragan, Ralph, Atlanta, Ga. Packing-ring. No. 1,106,678; Aug. 11; Gaz. vol. 205; p. 426.
- Ragan, Thomas M., and H. E. Bumby, Bessemer, Ala.; said Ragan assignor to said Bumby. Molding apparatus. No. 1,083,944; Jan. 13; Gaz. vol. 198; p. 254.
- Raggio, Charles A., Chicago, Ill. Damper for furnaces. No. 1,119,041; Dec. 1; Gaz. vol. 209; p. 51.
- Ragonnet, Eugene L., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Starting-valve. No. 1,094,247; Apr. 21; Gaz. vol. 201; p. 796.
- Ragonot, Edmond L. M. (See Colas and Ragonot.)
- Ragot, Charles L., assignor of one-third to L. F. Ragot, Milford, Pa. Internal-combustion rotary engine. No. 1,088,623; Feb. 24; Gaz. vol. 199; p. 1194.
- Ragot, Eugene, Bettaincourt, and Paul Pierre-Hervotte, Joinville, Haute-Marne, France. Gas-producer. No. 1,083,507; Jan. 6; Gaz. vol. 198; p. 82.
- Ragot, Henry L., assignor of one-half to D. Lloyd, Boston, Mass. Refuse-burner. No. 1,113,829; Oct. 13; Gaz. vol. 207; p. 538.
- Ragot, Louis F. (See Ragot, Charles L., assignor.)
- Ragsdale, Alonzo K., Hamilton, Ohio. Storm-front for baby-carriages. No. 1,092,225; Apr. 7; Gaz. vol. 201; p. 34.
- Ragsdale, Herschel, Cedar Vale, Kans. Stapling-machine. No. 1,101,659; June 30; Gaz. vol. 203; p. 1316.
- Raguse, Gustaf L., York, N. D. Whip-actuating device. No. 1,094,747; Apr. 28; Gaz. vol. 201; p. 1030.
- Rahier, Louis. (See Houget and Rahier.)
- Rahn, Frank H., Richmond, Va. Sectional case. No. 1,084,360; Jan. 13; Gaz. vol. 198; p. 395.
- Rahn, Robert C., Wyomissing, assignor to Textile Machine Works, Reading, Pa. Duplex braider. No. 1,118,680; Nov. 24; Gaz. vol. 208; p. 1242.
- Rahn, George C., Haileybury, Ontario, Canada, assignor of one-half to M. J. O'Donnell, Cleveland, Ohio. Beehive. No. 1,116,919; Nov. 10; Gaz. vol. 208; p. 545.
- Rahn, George C., Haileybury, Ontario, Canada, assignor of one-half to M. J. O'Donnell, Cleveland, Ohio. Beehive. No. 1,116,920; Nov. 10; Gaz. vol. 208; p. 546.
- Rahn, George C., Haileybury, Ontario, Canada, assignor of one-half to M. J. O'Donnell, Cleveland, Ohio. Beehive. No. 1,116,921; Nov. 10; Gaz. vol. 208; p. 546.
- Rahn, George C., Haileybury, Ontario, Canada, assignor of one-half to M. J. O'Donnell, Cleveland, Ohio. Beehive. No. 1,116,922; Nov. 10; Gaz. vol. 208; p. 546.
- Rahn, George C., Haileybury, Ontario, Canada, assignor of one-half to M. J. O'Donnell, Cleveland, Ohio. Beehive. No. 1,116,923; Nov. 10; Gaz. vol. 208; p. 547.
- Rahrer, Albert, assignor to Peerless Belt Lacing Machine Company, Philadelphia, Pa. Belt-lacing machine. No. 1,084,229; Jan. 13; Gaz. vol. 198; p. 354.
- Raiche, Andrew, assignor to Atlas Tack Company, Fairhaven, Mass. Machine for inserting fasteners. No. 1,119,724; Dec. 1; Gaz. vol. 209; p. 282.
- Raifsnider, Alfred, Granbury, Tex. Fly-trap. No. 1,092,537; Apr. 7; Gaz. vol. 201; p. 142.
- Rail Joint Company, The. (See Bradley, William J., assignor.)
- Rail Joint Company, The. (See Braine, Bancroft G., assignor.)
- Rail Joint Company, The. (See Braine and Bradley, assignors.)
- Rail Joint Company, The. (See Johnson, Joseph M., assignor.) (Reissue.)
- Rail Joint Company, The. (See Keller, John R., assignor.)
- Rail Joint Company, The. (See Schermerhorn, Edwards F., assignor.)
- Rail Joint Company, The. (See Weber, George A., assignor.)
- Rail Joint Company, The. (See Wolhaupter, Benjamin, assignor.)
- Rail Joint Company, The. (See Wood, Howard L., assignor.)
- Railiere, Louis H., New York, N. Y. Broiler. No. 1,093,883; Apr. 21; Gaz. vol. 201; p. 674.
- Railroad Supply Company, The. (See Vogel, Eugene W., assignor.)
- Railway Devices Company. (See Campbell, Sterling H., assignor.)
- Railway Improvement Company. (See Hall, Walter A. and C. W., assignors.)
- Railway Materials Company, The. (See Simpson, William M., assignor.)
- Railway Materials Company, The. (See True, Charles H., assignor.)
- Railway Products Corporation. (See Forsyth, William D., assignor.)
- Railway Roller Bearing Company. (See Vandegrift, James N., assignor.)
- Railway Safety Appliance Company. (See Freed, Edward, assignor.)
- Railway Utility Co. (See Hynes, Lee P., assignor.)
- Rainer, Virgil, Oak Hill, Ohio. Device for coaling and watering locomotives. No. 1,084,481; Jan. 13; Gaz. vol. 198; p. 432.
- Raines, Richard, New York, N. Y. High-tension-current system. No. 1,103,835; July 14; Gaz. vol. 204; p. 608.
- Rainey, Clifton K., Birmingham, Ala. Type-writer escapement mechanism. No. 1,104,003; July 21; Gaz. vol. 204; p. 706.
- Rainey, Paul M., West Hoboken, N. J., assignor to Western Electric Company, New York, N. Y. Vibrating circuit-breaker. No. 1,090,877; Mar. 24; Gaz. vol. 200; p. 877.
- Rainey, Paul M., West Hoboken, N. J., assignor to Western Electric Company, New York, N. Y. Device for amplifying variations in electrical currents. No. 1,092,453; Apr. 7; Gaz. vol. 201; p. 114.

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- Rait, George B., Minneapolis, Minn. Mechanical stoker. No. 1,085,630; Feb. 3; Gaz. vol. 199; p. 18.
- Rait, Walter S., Chicago, Ill. Resilient wheel. No. 1,101,881; June 30; Gaz. vol. 203; p. 1393.
- Rakai, Lajos, Broughton, Pa. Antiskidding device for tires. No. 1,115,105; Oct. 27; Gaz. vol. 207; p. 1081.
- Rakottay, Béla, Jersey City, N. J. Funnel. No. 1,094,098; Apr. 21; Gaz. vol. 201; p. 746.
- Rakowski, Wladislaus, Davis, W. Va. Curtain-support. No. 1,093,884; Apr. 21; Gaz. vol. 201; p. 674.
- Raleigh, James F., Chicago, Ill. Engine-starter. No. 1,101,957; June 30; Gaz. vol. 203; p. 1421.
- Raleigh, John W., *et al.* (See Reilly, Michael J., assignor.)
- Raley, John D., New Castle, Colo. Fence-post and wire-holder. No. 1,103,834; July 14; Gaz. vol. 204; p. 607.
- Rall, Max, Paris, France, assignor to Firm of R. Bosch, Stuttgart, Germany. Shaft-coupling. No. 1,117,704; Nov. 17; Gaz. vol. 208; p. 861.
- Rall, Theodor, Chicago, Ill. Bascule-bridge. No. 1,094,473; Apr. 28; Gaz. vol. 201; p. 932.
- Ralph, Harry H., assignor to Boiler Water Purifier Company, Philadelphia, Pa. Purifier for steam-boilers. No. 1,120,405; Dec. 8; Gaz. vol. 209; p. 557.
- Ralph, Joseph E., Newark, N. J. Card for card-indexes. No. 1,114,518; Oct. 20; Gaz. vol. 207; p. 822.
- Ralph, Joseph E., Newark, N. J. Card-index container. No. 1,114,519; Oct. 20; Gaz. vol. 207; p. 823.
- Ralph, Sidney L., Abilene, Tex. Display-rack for wall-paper and other merchandise. No. 1,116,484; Nov. 10; Gaz. vol. 208; p. 388.
- Ralston, Shirley B., Glasgow, Scotland. Instrument for indicating the righting-arms and other particulars relating to the stability of ships. No. 1,116,119; Nov. 3; Gaz. vol. 208; p. 224.
- Ralston Steel Car Company, The. (See Weaver, Robert R., assignor.)
- Ramage, Alexander S., assignor to International Color & Chemical Co., Inc., Buffalo, N. Y. Making paints, enamels, and the like. No. 1,084,361; Jan. 13; Gaz. vol. 198; p. 395.
- Ramage, Alexander S., assignor to The Chemical Development Company, Buffalo, N. Y. Making white lead. No. 1,097,672; May 26; Gaz. vol. 202; p. 981.
- Ramage, Alexander S., Detroit, Mich., assignor to E. A. Byrnes and C. P. Townsend, Washington, D. C. Oxidizing compounds and producing terpene peroxid. No. 1,097,939; May 26; Gaz. vol. 202; p. 1076.
- Ramage, Alexander S., Detroit, Mich., assignor to E. A. Byrnes and C. P. Townsend, Washington, D. C. Organic peroxid and producing same. No. 1,097,940; May 26; Gaz. vol. 202; p. 1077.
- Ramage, Alexander S., Cleveland, Ohio, assignor to Byrnes & Townsend, Washington, D. C. Producing terpene peroxid. No. 1,098,356; May 26; Gaz. vol. 202; p. 1221.
- Ramage, William H., Youngstown, Ohio. Apparatus for removing rolls from frames of roller-mills. No. 1,115,106; Oct. 27; Gaz. vol. 207; p. 1081.
- Ramapo Iron Works. (See Banker and Strong, assignors.)
- Rambacher, Adam, Munich, Germany. Means for preventing the creeping of railway and like rails. No. 1,121,866; Dec. 22; Gaz. vol. 209; p. 1154.
- Ramberg, Haken W., Brooklyn, N. Y. Piston-rod packing. No. 1,089,789; Mar. 10; Gaz. vol. 200; p. 429.
- Ramén, Arthur. (See Beskow and Ramén.)
- Ramén, Arthur, Helsingborg, Sweden. Channel-furnace for burning ore-bricks. No. 1,089,868; Mar. 10; Gaz. vol. 200; p. 457.
- Ramer, John H., Loveland, Colo. Upper-protector. No. 1,094,016; Apr. 21; Gaz. vol. 201; p. 719.
- Ramirez, Juan B., Warren Point, N. J. Pin. No. 1,100,446; June 16; Gaz. vol. 203; p. 794.
- Ramlose, James S., Newport, R. I. Heel-protector. No. 1,112,382; Sept. 29; Gaz. vol. 206; p. 1397.
- Ramm, George F., Del Monte, Cal. Ironing-board attachment. No. 1,084,482; Jan. 13; Gaz. vol. 198; p. 433.
- Rammelsberg, Ernst, Dortmund, Germany. Spring-wheel. No. 1,107,355; Aug. 18; Gaz. vol. 205; p. 710.
- Rampichini, Francesco, Trieste, Austria-Hungary. Adhesive material for gluing purposes. No. 1,089,960; Mar. 10; Gaz. vol. 200; p. 489.
- Ramsay, Henry M., Altoona, and J. A. Rickabaugh, Pittsburgh, Pa. Uncoupling device for car-couplings. No. 1,087,509; Feb. 17; Gaz. vol. 199; p. 768.
- Ramsay, Thomas, Roslyn, Wash. Mine-door closer. No. 1,100,690; June 16; Gaz. vol. 203; p. 874.
- Ramsden, John T. (See Lewis and Ramsden.)
- Ramsek, Anna. (See Ramsek, Rudolph, assignor.)
- Ramsek, Rudolph, assignor to A. Ramsek, St. Louis, Mo. Combined laundry gas-stove and washing-machine boiler. No. 1,103,313; July 14; Gaz. vol. 204; p. 427.
- Ramsey, Edia R., and J. H. Meyer, Penn Yan, N. Y.; said Meyer assignor to said Ramsey. Machine for making flexible tubular armor. No. 1,105,836; Aug. 4; Gaz. vol. 205; p. 87.
- Ramsey, Enoch M. (See Smith, John W., assignor.)
- Ramsey, George W., Peoria, Ill. Tabulating mechanism. No. 1,109,870; Sept. 8; Gaz. vol. 206; p. 399.
- Ramsey, James C., Jr., Andover, assignor, by mesne assignments, to Herrick Aiken Company, Incorporated, Lawrence, Mass. Lamp-support. No. 1,093,009; Apr. 14; Gaz. vol. 201; p. 338.
- Ramsey, John S., Conshohocken, Pa. Closure for milk-bottles. No. 1,104,706; July 21; Gaz. vol. 204; p. 949.
- Ramsey, Joseph A., Beatrice, Nebr. Twine-saving attachment for threshing-machines. No. 1,121,398; Dec. 15; Gaz. vol. 209; p. 953.
- Ramsey, Joseph D., Boston, Mass. Water-purifier. No. 1,084,030; Jan. 13; Gaz. vol. 198; p. 285.
- Ramsey, Joseph H. (See Clearwater, Temple, and Ramsey.)
- Ramsey, Joseph H., assignor to The Weigh and Tie Company, Albany, N. Y. Mechanism for tying bags. No. 1,116,736; Nov. 10; Gaz. vol. 208; p. 480.
- Ramsey, Peter, Congo, Ohio. Switch-lever lock. No. 1,086,082; Feb. 3; Gaz. vol. 199; p. 181.
- Ramsey, William H., assignor of one-third to J. A. Smith and one-third to R. D. Henry, Dawson, Pa. Flexible pipe-coupling. No. 1,092,390; Apr. 7; Gaz. vol. 201; p. 91.
- Rancho, Leffingwell. (See Crumrine, Charles L., assignor.)
- Ranck, John V., Brooklyn, N. Y., assignor to Powers Photo Engraving Company. Production of half-tones. No. 1,108,849; Aug. 25; Gaz. vol. 205; p. 1279.
- Rand, Festus S., Providence, R. I., assignor to Universal Winding Company, Portland, Me. Winding-machine. No. 1,088,367; Feb. 24; Gaz. vol. 199; p. 1111.
- Rand, Festus S., Providence, R. I., assignor to Universal Winding Company, Portland, Me. Tension device for winding-machines. No. 1,089,790; Mar. 10; Gaz. vol. 200; p. 430.
- Rand, George M., Brockton, Mass. Mailing-folder. No. 1,106,058; Aug. 4; Gaz. vol. 205; p. 165.
- Rand, James H. and J. H., Jr., North Tonawanda, N. Y. Adjustable indicator. No. 1,106,843; Aug. 11; Gaz. vol. 205; p. 484.
- Rand, Richard G., Kernersville, N. C. Brick-machine. No. 1,095,596; May 5; Gaz. vol. 202; p. 144.
- Rand, Silas C., Battle Creek, Mich. Emergency-tire for automobiles or similar use. No. 1,095,287; May 5; Gaz. vol. 202; p. 39.
- Randa, Joseph E., Highland Park, Mich. Sash-fastener. No. 1,086,462; Feb. 10; Gaz. vol. 199; p. 353.
- Randall, Arthur F., Somerville, and E. A. Bates, deceased, Chelsea, Mass.; A. Bates, administrator. Apparatus for generating steam. No. 1,109,360; Sept. 1; Gaz. vol. 206; p. 180.
- Randall, Cecyl E., Aberdeen, Wash. Wire-twisting device. No. 1,119,874; Dec. 8; Gaz. vol. 209; p. 370.
- Randall, Charles F. (See Whitchee and Randall.)
- Randall, Edison E. (See Pope and Randall.)
- Randall, Edison E. (See Rieck and Randall.)
- Randall, Edison E., Kankakee, assignor to Paramount Knitting Company, Chicago, Ill. Knitting-machine needle. No. 1,121,287; Dec. 15; Gaz. vol. 209; p. 914.
- Randall-Faichney Company, The. (See McLean, Donald G., assignor.)
- Randall-Faichney Company, The. (See Payne and Knapp, assignors.)
- Randall-Faichney Company, The. (See Schurman, Elias W., assignor.)
- Randall, Harold F., Tiffin, Ohio. Quartz-mill. No. 1,094,248; Apr. 21; Gaz. vol. 201; p. 797.
- Randall, Harry H., Bethany, Nebr. Whip-socket. No. 1,089,961; Mar. 10; Gaz. vol. 200; p. 489.
- Randall, Harry W., St. Johnsbury, Vt. Nozzle for fire-extinguishers. No. 1,106,679; Aug. 11; Gaz. vol. 205; p. 426.
- Randall, Horace N., Minneapolis, Minn. Corn-planter. No. 1,114,385; Oct. 20; Gaz. vol. 207; p. 773.
- Randall, Karl C., Edgewood Park, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling system for transformers. No. 1,083,945; Jan. 13; Gaz. vol. 198; p. 255.
- Randall, Marion L., Bellingham, Wash. Lamp-cord reel. No. 1,084,960; Jan. 20; Gaz. vol. 198; p. 625.
- Randall, Thomas A., New York, N. Y. Puzzle. No. 1,120,161; Dec. 8; Gaz. vol. 209; p. 471.
- Randall, Wellington, Marysville, Wash. Rail-tie. No. 1,099,616; June 9; Gaz. vol. 203; p. 470.
- Randall, Wellington, Marysville, Wash. Car-axle. No. 1,109,464; Sept. 1; Gaz. vol. 206; p. 214.
- Randall, Wellington, Marysville, Wash. Lifting-tongs. No. 1,111,322; Sept. 22; Gaz. vol. 206; p. 993.
- Randall, Wellington, Varner, Kans. Derrick apparatus. No. 1,104,313; July 21; Gaz. vol. 204; p. 812.
- Randall, William F., assignor to W. T. Plummer, Philadelphia, Pa. Snore. No. 1,112,834; Oct. 6; Gaz. vol. 207; p. 148.
- Randall, William H., Kansas City, Kans. Resilient wheel. No. 1,121,665; Dec. 22; Gaz. vol. 209; p. 1082.
- Randall, William P., assignor to J. S. L. Purdy, Le Roy, N. Y. Apparatus for forcing fluids from wells. No. 1,104,133; July 21; Gaz. vol. 204; p. 751.
- Randel, Ivar A., Chicago, Ill. Truck-frame. No. 1,097,045; May 19; Gaz. vol. 202; p. 718.

Alphabetical list of patentees—Continued.

- Randel, Ivar A., assignor to McCord and Company, Chicago, Ill. Making journal-boxes. No. 1,089,585; Mar. 10; Gaz. vol. 200; p. 360.
- Randel, Ivar A., assignor to McCord and Company, Chicago, Ill. Journal-box. No. 1,090,085; Mar. 10; Gaz. vol. 200; p. 531.
- Randell, Harvey E., *et al.* (See Williamson, John, assignor.)
- Randenburg, Ernest, New York, N. Y. Portable burglar-alarm. No. 1,115,738; Nov. 3; Gaz. vol. 208; p. 92.
- Randolph, Clabeorn P., El Centro, Cal. Spring. No. 1,112,095; Sept. 29; Gaz. vol. 206; p. 1296.
- Randolph, Harry H. (See Malinovszky, Andrew, assignor.)
- Randolph, Joseph S., *et al.* (See Penn, Ralph L., assignor.)
- Randolph, Peter, and H. C. Matthews, San Francisco, Cal. Metallic studding. No. 1,103,430; July 14; Gaz. vol. 204; p. 465.
- Randolph, William, Crows Landing, Cal. Hay-stacker. No. 1,094,017; Apr. 21; Gaz. vol. 201; p. 719.
- Randolph, William, Crows Landing, Cal. Nut. No. 1,102,686; July 7; Gaz. vol. 204; p. 162.
- Raney, Estelle C., assignor to The Automatic Reclosing Circuit Breaker Company, Columbus, Ohio. Automatic circuit-breaker. (Reissue.) No. 13,856; Dec. 29; Gaz. vol. 209; p. 1664.
- Raney, Joseph H. (See Laird and Raney.)
- Raney, William M., Decatur, Ill. Combined hay-baler. No. 1,096,948; May 19; Gaz. vol. 202; p. 684.
- Range, Jacob. (See Maloney and Range.)
- Ranger, Arthur W., London, England. Type setting and distributing machine. No. 1,103,013; July 7; Gaz. vol. 204; p. 275.
- Rankin, James E., Fulton, Ky. Steam-engine. No. 1,092,226; Apr. 7; Gaz. vol. 201; p. 35.
- Rankin, Tice, Okeene, Okla. Furnace-door opener. No. 1,100,615; June 16; Gaz. vol. 203; p. 849.
- Rannel, James, Harlem, Mont. Road-ditching machine. No. 1,092,169; Apr. 7; Gaz. vol. 201; p. 15.
- Ranney, Amos M., Watrous, Saskatchewan, Canada. Fire-guard. No. 1,093,205; Apr. 14; Gaz. vol. 201; p. 407.
- Ranney, John T., Fort Kent, Me. Portable device for handling long, heavy articles. No. 1,094,930; Apr. 28; Gaz. vol. 201; p. 1092.
- Ransing, Henry E. (See Mentzer, Oliver A., assignor.)
- Ransom, Charles, London, England. Appliance for slaughtering cattle and like animals. No. 1,099,935; June 16; Gaz. vol. 203; p. 617.
- Ransom and Randolph Co. (See Miller, Frederick W., assignor.)
- Ransom & Randolph Company, The. (See Johnson and Hedman, assignors.)
- Ransom, Richard B., Sutherland, Fla. Rotary valve. No. 1,108,002; Aug. 18; Gaz. vol. 205; p. 938.
- Ransome, Ernest L., Plainfield, N. J. Apparatus for laying and molding concrete roadways, pavements, and the like. No. 1,090,229; Mar. 17; Gaz. vol. 200; p. 623.
- Ransome-verMehrl Machinery Company. (See Hobbs, James E., assignor.)
- Ranson, Corbin C. (See Verner and Ranson.)
- Ranstead, Guy S., Chicago, Ill. Headlight-engine and governing mechanism therefor. No. 1,113,484; Oct. 13; Gaz. vol. 207; p. 419.
- Rantzow, Ludvig von, assignor to The Engelhardt Decked Life Boat Co., Copenhagen, Denmark. Slip-hook. No. 1,096,126; May 12; Gaz. vol. 202; p. 360.
- Rapid A. G. (See Schefer, Johann J., assignor.)
- Rapid A. G. (See Wolter and Belz, assignors.)
- Rapid Electrotpe Company, The. (See Smith, Michael, assignor.)
- Rapine, Arthur B., Norristown, Pa. Waxing device. No. 1,098,302; May 26; Gaz. vol. 202; p. 1203.
- Raplee Squier Company, The. (See Raplee, William H., assignor.)
- Raplee, William H., Los Angeles, Cal., assignor to The Raplee Squier Company, New Haven, Conn. Attachment for sewing-machines. No. 1,103,836; July 14; Gaz. vol. 204; p. 608.
- Rapp, Axel G. J., assignor to Link-Belt Company, Chicago, Ill. Guard for conveyer-rolls. No. 1,116,737; Nov. 10; Gaz. vol. 208; p. 481.
- Rapp, Eugene W. (See Long and Rapp.)
- Rapp, Gustave, *et al.* (See Boehm, Rudolph A., assignor.)
- Rapp, John G. (See Bender and Rapp.)
- Rapp, John W., Flushing, N. Y. Car-body. No. 1,114,804; Oct. 27; Gaz. vol. 207; p. 972.
- Rapp, Leo, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Coll-support. No. 1,119,988; Dec. 8; Gaz. vol. 209; p. 410.
- Rapp, William M., Westmont, N. J. Linotype-machine. No. 1,101,660; June 30; Gaz. vol. 203; p. 1317.
- Rapport, Paul, New York, N. Y. Display-frame. No. 1,085,484; Jan. 27; Gaz. vol. 198; p. 840.
- Rappard, Marinus, Den Helder, Netherlands. Manufacture of paint for protecting iron, wood, and the like from sea growths. No. 1,108,395; Aug. 25; Gaz. vol. 205; p. 1124.
- Raquette, Joseph G., Cleveland, Ohio, assignor to The Universal Switch Box Co. Electric wall-box. No. 1,104,930; July 28; Gaz. vol. 204; p. 1076.
- Rardon, Elmer B. (See Rardon, Henry H. and E. B.)
- Rardon, Henry H., Huntington, and E. B. Rardon, Parkersburg, W. Va. Lowering device for coffins. No. 1,084,961; Jan. 20; Gaz. vol. 198; p. 626.
- Rarig, Welden C., Taft, Tex. Engine-plow. No. 1,094,018; Apr. 21; Gaz. vol. 201; p. 719.
- Raroha, Domonkos. (See Raroha, William, assignor.)
- Raroha, William, Philadelphia, Pa., assignor of one-half to D. Raroha, Hinsdale, Mass. Rail-joint. No. 1,109,178; Sept. 1; Gaz. vol. 206; p. 115.
- Rasck, George P., Des Moines, assignor to J. De Witt, Keokuk, Iowa. Gearing device. No. 1,087,980; Feb. 24; Gaz. vol. 199; p. 978.
- Rash, Edward D. (See Ulrich and Rash.)
- Rashkovsky, Samuel, St. Louis, Mo. Scaffold. No. 1,100,777; June 23; Gaz. vol. 203; p. 959.
- Rasky, Antonia, New York, N. Y. Brush. No. 1,091,960; Mar. 31; Gaz. vol. 200; p. 1292.
- Rasmus, Peter A. (See Brown and Rasmus.)
- Rasmussen, Andrew, Racine Junction, Wis. Hoop-faster. No. 1,086,217; Feb. 3; Gaz. vol. 199; p. 225.
- Rasmussen, Andrew, Edgemont, S. D. Cultivator. No. 1,114,520; Oct. 20; Gaz. vol. 207; p. 823.
- Rasmussen, Andrew, Racine Junction, assignor to Peerless Silo Supply Co., Racine, Wis. Hoop and fastener for silo and like tanks. No. 1,104,134; July 21; Gaz. vol. 204; p. 752.
- Rasmussen, Carl, Brunswick, Germany. Calculating-machine. No. 1,100,616; June 16; Gaz. vol. 203; p. 850.
- Rasmussen, Carl, Brunswick, Germany. Calculating-machine. No. 1,100,689; June 16; Gaz. vol. 203; p. 873.
- Rasmussen, Carl, Leipzig, Germany. Calculating-machine. No. 1,108,788; Aug. 25; Gaz. vol. 205; p. 1256.
- Rasmussen, Edward L., Seattle, Wash. Sash-lock. No. 1,105,100; July 28; Gaz. vol. 204; p. 1134.
- Rasmussen, Herman, Sedgwick, S. D. Neck-yoke. No. 1,083,630; Jan. 6; Gaz. vol. 198; p. 123.
- Rasmussen, Herman, Sedgwick, S. D. Whiffletree. No. 1,083,631; Jan. 6; Gaz. vol. 198; p. 123.
- Rasmussen, John C. (See Dow, Floyd, assignor.)
- Rasmussen, Laurits T., assignor to Walker Manufacturing Company, Council Bluffs, Iowa. Packing and mulching implement. No. 1,091,243; Mar. 24; Gaz. vol. 200; p. 1006.
- Rasmussen, Laurits T., assignor to Walker Manufacturing Company, Council Bluffs, Iowa. Mulching and packing implement. No. 1,098,757; June 2; Gaz. vol. 203; p. 136.
- Rasmussen, William, Brunswick, Nebr. Mail-bag catching and delivery apparatus. No. 1,123,005; Dec. 29; Gaz. vol. 209; p. 1587.
- Rasmuson, Neils P. (See Harris, Rasmuson, and Inglethron.)
- Raspillaire, August, Morgantown, W. Va., assignor of one-half to W. A. Jones, Columbus, Ohio. Bait for glass-drawing apparatus. No. 1,100,617; June 16; Gaz. vol. 203; p. 850.
- Raster, Walther, assignor to Olympia Games Company, Chicago, Ill. Game apparatus. No. 1,119,452; Dec. 1; Gaz. vol. 209; p. 190.
- Rataiczky, Stanley, Milwaukee, Wis. Combined garment-hanger. No. 1,108,621; Aug. 25; Gaz. vol. 205; p. 1202.
- Ratchet Brake Company. (See Blackall, Robert H., assignor.)
- Ratchet Brake Company. (See Lindström, Charles A., assignor.)
- Ratcliff, Alva A., assignor of one-half to T. P. Bond, Versailles, Mo. Nut-lock. No. 1,110,511; Sept. 15; Gaz. vol. 206; p. 668.
- Ratcliff, Davis, Gloster, Miss. Rail-joint. No. 1,109,465; Sept. 1; Gaz. vol. 206; p. 215.
- Ratcliffe, John H., Manchester, England. Portable mixer for paint, distemper, paste, or the like. No. 1,120,162; Dec. 8; Gaz. vol. 209; p. 471.
- Ratcliffe, William A., assignor to C. C. Stringer, Chicago, Ill. Water-closet. No. 1,117,089; Nov. 10; Gaz. vol. 208; p. 605.
- Rateau Battu Smoot Company. (See Smoot, Charles H., assignor.)
- Rateau Steam Regenerator Company. (See Battu, Leonce L., assignor.)
- Rateau Steam Regenerator Company. (See McNulta, Herbert, assignor.)
- Rateick, Frank H., *et al.* (See Nicholas, Herman C., assignor.)
- Rath, William C., Brooklyn, N. Y., assignor to Deitsch Brothers. Bag-frame fastener. No. 1,104,707; July 21; Gaz. vol. 204; p. 949.
- Rathbone, John S., Mystic, Conn. Folding pipe-rack. No. 1,104,004; July 21; Gaz. vol. 204; p. 706.
- Rathbone, Sard & Company. (See Norstrand, Hans P. G., assignor.)
- Rathbun, Charles L., assignor to Union Special Machine Company, Chicago, Ill. Folder for sewing-machines. No. 1,123,006; Dec. 29; Gaz. vol. 209; p. 1588.
- Rathbun, William H., Guide Rock, Nebr. Five-horse-cultivator equalizer. No. 1,100,988; June 23; Gaz. vol. 203; p. 1035.

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- Rather, Lee O., assignor to R. H. Waller, Nashville, Tenn. Motion-picture screen. No. 1,106,111; Aug. 4; Gaz. vol. 205; p. 185.
- Rathsam, Frank G., Indianapolis, Ind. Clutch. No. 1,088,723; Mar. 3; Gaz. vol. 200; p. 18.
- Ratliff, Sidney A. (See Watkins, William A., assignor.)
- Ratterree, Van Buren, and C. L. Waterston, Nashville, Tenn. Automobile license-number case. No. 1,086,937; Feb. 10; Gaz. vol. 199; p. 519.
- Ratto, Richard C., assignor to The Plume & Atwood Manufacturing Company, Waterbury, Conn. Electric-light fixture. No. 1,091,961; Mar. 31; Gaz. vol. 200; p. 1292.
- Ratzlaff, Jacob, and D. E. Reed, Portland, Oreg. Driving mechanism. No. 1,084,230; Jan. 13; Gaz. vol. 198; p. 354.
- Ratzlaff, Jacob, and D. E. Reed, Portland, Oreg. Motor-car. No. 1,091,962; Mar. 31; Gaz. vol. 200; p. 1292.
- Rau, Albert J. and J. A., Clifton, N. J. Dyeing apparatus. No. 1,108,233; Aug. 25; Gaz. vol. 205; p. 1066.
- Rau, Alexander W., administrator. (See Rau, Emanuel.)
- Rau, Emanuel, deceased, New York, N. Y.; A. W. Rau, administrator. Apparatus for cutting keyways in pulleys and the like. No. 1,120,652; Dec. 8; Gaz. vol. 209; p. 646.
- Rau Fastener Company. (See Reiter, Lues, assignor.)
- Rau, John, Indianapolis, Ind. Dash-pot for glass-blowing machines. No. 1,107,446; Aug. 18; Gaz. vol. 205; p. 743.
- Rau, Julius A. (See Rau, Albert J. and J. A.)
- Rau, Peter, Saarbrücken, Germany. Punch for making centrally-perforated washers. No. 1,109,596; Sept. 1; Gaz. vol. 206; p. 259.
- Rau, Robert C., Warrensburg, Ill. Means preventing the spreading of railway-rails. No. 1,119,314; Dec. 1; Gaz. vol. 209; p. 142.
- Räuber, Heinrich, Riga, Russia. Fire-escape. No. 1,101,714; June 30; Gaz. vol. 203; p. 1334.
- Rauch, Aron, New York, N. Y. Bottle-closure device. No. 1,098,758; June 2; Gaz. vol. 203; p. 137.
- Rauch, Elmer C., Coeur d'Alene, Idaho. Spark-plug. No. 1,098,637; June 2; Gaz. vol. 203; p. 96.
- Rauch, George F., Platte, S. D. Beer and hops separator. No. 1,092,538; Apr. 7; Gaz. vol. 201; p. 142.
- Rauch, Harry E. (See Rauch, Henry and H. E.)
- Rauch, Henry and H. E., Mount Vernon, N. Y. Apparatus for pitching casks. No. 1,094,810; Apr. 28; Gaz. vol. 201; p. 1051.
- Rauch, Henry and H. E., Mount Vernon, N. Y. Cask-pitching machine. No. 1,122,537; Dec. 29; Gaz. vol. 209; p. 1422.
- Rauch, Henry S., Jackson, Mich. Starting device for explosive-engines. No. 1,089,962; Mar. 10; Gaz. vol. 200; p. 490.
- Rauch, Provost R. (See Holt and Rauch.)
- Rauchfuss, Herman, Englewood, Colo. Combined honey-section press and foundation-fastener. No. 1,090,345; Mar. 17; Gaz. vol. 200; p. 663.
- Räuchle, Karl, Hennef-on-the-Sieg, Germany. Fountain-pen. No. 1,100,778; June 23; Gaz. vol. 203; p. 960.
- Rauh, Leopold. (See Dana, William H., assignor.)
- Rauhe, Carl, Dusseldorf, Germany. Artificial denture. No. 1,098,331; May 26; Gaz. vol. 202; p. 1213.
- Raule, Clifford T., Philadelphia, Pa. Rotary gas-engine. No. 1,100,618; June 16; Gaz. vol. 203; p. 851.
- Raulf, Carl A., assignor to Raulf Manufacturing Company, Chicago, Ill. Dovetailing-machine. No. 1,087,460; Feb. 17; Gaz. vol. 199; p. 752.
- Raulf Manufacturing Company. (See Raulf, Carl A., assignor.)
- Rauls, George W., Cincinnati, Ohio. Excavator and loader apparatus. No. 1,116,843; Nov. 10; Gaz. vol. 208; p. 519.
- Rauschert, Emil P., Lake Mills, Wis. Spot-light attachment for projection apparatus. No. 1,089,080; Mar. 3; Gaz. vol. 200; p. 139.
- Rauskolb, Fred W., Medford, Mass. Mounting for gold-leaf. No. 1,103,222; July 14; Gaz. vol. 204; p. 396.
- Ravautte, Albin, assignor to A. Ravautte, Marseille, E. C. A. Fleurent and Societe Anonyme des Etablissements Egrot, Paris, France. Vacuum drying apparatus. No. 1,100,028; June 16; Gaz. vol. 203; p. 649.
- Rave, Albert C. (See Johnson, Alex H., assignor.)
- Raveling, Rudolph H. (See Raveling, Tjebbe G. and R. H.)
- Raveling, Tjebbe G. and R. H., Buffalo, N. D. Fly-shield. No. 1,110,232; Sept. 8; Gaz. vol. 206; p. 529.
- Ravert, William I., assignor to Standard Vending Machine Company, Hazleton, Pa. Coin-controlled apparatus. No. 1,095,418; May 5; Gaz. vol. 202; p. 83.
- Ravlin, Frederick J., Chicago, Ill. Combined plug-switch and fuse. No. 1,121,288; Dec. 15; Gaz. vol. 209; p. 915.
- Ravlin, Frederick J., and J. Lofgren, Chicago, Ill. Connector-stand. No. 1,096,457; May 12; Gaz. vol. 202; p. 473.
- Rawdon, Charles R., and E. M. Parker, St. Louis, Mo. Antiskid-chain. No. 1,086,558; Feb. 10; Gaz. vol. 199; p. 387.
- Rawdon, George L., Cleveland, Ohio. Telegraph-repeater. No. 1,106,001; Aug. 4; Gaz. vol. 205; p. 145.
- Rawie, Franz, Osnabrück-Schinkel, Germany. Railway-buffer. No. 1,112,476; Oct. 6; Gaz. vol. 207; p. 21.
- Rawlins, Frederick, Hackney, London, England. Mud-guard for motor and other road-vehicles. No. 1,106,159; Aug. 4; Gaz. vol. 205; p. 201.
- Rawls, Robert H., Ivor, Va. Track-cleaner for sawmill-carriages. No. 1,097,466; May 19; Gaz. vol. 202; p. 865.
- Rawson, Charles D. (See Grimes, James W., assignor.)
- Rawson, Grant I., and L. B. Shultz, St. Louis, Mo., assignors, by mesne assignments, to said Shultz. Connector for batteries. No. 1,102,355; July 7; Gaz. vol. 204; p. 46.
- Rawson, William J., Lewis Run, Pa. Derrick. No. 1,105,455; July 28; Gaz. vol. 204; p. 1262.
- Ray, Agnes, Oakland, Cal. Corset. No. 1,095,352; May 5; Gaz. vol. 202; p. 61.
- Ray, Albert D., Cleveland, Ohio. Multiple tool-machine. No. 1,084,231; Jan. 13; Gaz. vol. 198; p. 355.
- Ray, Albert D., assignor of one-half to C. H. Pratt, Cleveland, Ohio. Lubricator-bearing. No. 1,103,432; July 14; Gaz. vol. 204; p. 466.
- Ray, Albert H., Ashland, Mass. Printing-machine. No. 1,104,829; July 28; Gaz. vol. 204; p. 1042.
- Ray, Albert J., Fort Worth, Tex. Valve for explosive-engines. No. 1,096,056; May 12; Gaz. vol. 202; p. 337.
- Ray, August W., et al. (See Pemberton, George F. and J. W., assignors.)
- Ray, Calvin, and E. S. McCauley, Tama, Iowa. Governor for spring-motors. No. 1,095,353; May 5; Gaz. vol. 202; p. 61.
- Ray, Charles T., assignor to B. F. Avery & Sons, Louisville, Ky. Hand-lever mechanism. No. 1,105,596; July 28; Gaz. vol. 204; p. 1310.
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-sewing machine. No. 1,114,287; Oct. 20; Gaz. vol. 207; p. 739.
- Ray, Henry B., Albuquerque, N. Mex. Clip. No. 1,099,819; June 9; Gaz. vol. 203; p. 539.
- Ray, James H., Higgins, Tex. Silo. No. 1,118,231; Nov. 24; Gaz. vol. 208; p. 1082.
- Ray, Joseph, Oreana, Ill. Metal basket. No. 1,119,725; Dec. 1; Gaz. vol. 209; p. 283.
- Ray, Paul J., Lakewood, Ohio. Electric-current controller. No. 1,089,081; Mar. 3; Gaz. vol. 200; p. 139.
- Ray, Paul J., Lakewood, Ohio. Compression-rheostat. No. 1,092,952; Apr. 14; Gaz. vol. 201; p. 319.
- Ray, William A., Jackson, Ohio. Puncture-proof inner lining for pneumatic tires. No. 1,097,820; May 26; Gaz. vol. 202; p. 1033.
- Ray, William R. L., Fort Jones, assignor of one-half to M. M. Zelle, Sisson, Cal. Resilient wheel. No. 1,098,759; June 2; Gaz. vol. 203; p. 137.
- Raymond-Barker, Edward, Wimbledon, England, assignor to Commercial Cable Company, New York, N. Y. Telegraph transmitting system. No. 1,119,117; Dec. 1; Gaz. vol. 209; p. 76.
- Raymond Concrete Pile Company. (See Philbrook, John N., assignor.)
- Raymond Concrete Pile Company. (See Upson, Maxwell M., assignor.)
- Raymond Concrete Pile Company. (See Upson and Hamlin, assignors.)
- Raymond, Frank V., Invercargill, W. O. Beere, Wellington, and J. E. Rough, Foxton, New Zealand. Apparatus for obtaining fibers, gums, and juices from fibrous plants. No. 1,107,840; Aug. 18; Gaz. vol. 205; p. 882.
- Raymond, Franklin M., Saugatuck, Conn. Clothes-drying machine. No. 1,091,706; Mar. 31; Gaz. vol. 200; p. 1202.
- Raymond, Freeborn F., 2d, deceased. (See Kraetzer, Edwin J., assignor.)
- Raymond, George A., Waukegan, Ill. Wire-fence-weaving machine. No. 1,119,728; Dec. 1; Gaz. vol. 209; p. 284.
- Raymond, George M., and G. R. Mumma, assignors to The C. W. Raymond Company, Dayton, Ohio. Gas-furnace for brick-driers. No. 1,117,905; Nov. 17; Gaz. vol. 208; p. 929.
- Raymond, Harry K., Akron, Ohio. Cap for tire-valves, stay-bolts, or the like. No. 1,115,864; Nov. 2; Gaz. vol. 208; p. 135.
- Raymond, John P., and C. E. Baker, Chicago, Ill., assignors to The Vacuum Cleaner Company, New York, N. Y. Scrubbing mechanism. No. 1,086,618; Feb. 10; Gaz. vol. 199; p. 409.
- Raymond, John W., assignor to The Air Friction Carburetor Company, Dayton, Ohio. Carburetor. No. 1,088,091; Feb. 24; Gaz. vol. 199; p. 1017.
- Raymond, John W., assignor to The Air Friction Carburetor Company, Dayton, Ohio. Carburetor. No. 1,088,181; Feb. 24; Gaz. vol. 199; p. 1048.
- Raymond, Reuben M., Malden, Mass. Carpenter's gage. No. 1,098,527; June 2; Gaz. vol. 203; p. 60.
- Raymond, Ward, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pressure-controlled valve. No. 1,122,638; Dec. 29; Gaz. vol. 209; p. 1457.
- Rayner, John J., Washington township, Carroll county, assignor to O. S. Rayner, Braymer, Mo. Reinforced building-block for circular walls. No. 1,109,248; Sept. 1; Gaz. vol. 206; p. 139.
- Rayner, O. S. (See Rayner, John J., assignor.)

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- Rayson, Philip, Elsternwick, Victoria, Australia. Auxiliary pneumatic support for vehicles. No. 1,111,675; Sept. 22; Gaz. vol. 206; p. 1115.
- Razniak, Michal, Strathcona, Alberta, Canada. Life-boat. No. 1,104,387; July 21; Gaz. vol. 204; p. 838.
- Re, Alfred, New York, N. Y. Safety-lock. No. 1,104,274; July 21; Gaz. vol. 204; p. 799.
- Rea, Edward J. F., Cranford, N. J., assignor to American Automatic Press Company, San Francisco, Cal. Form-roller mechanism for printing-presses. No. 1,084,296; Jan. 13; Gaz. vol. 198; p. 374.
- Rea, Edward J. F., assignor to American Automatic Press Company, Hartford, Conn. Printing-press. No. 1,098,838; June 2; Gaz. vol. 203; p. 163.
- Rea, Edward J. F., Hartford, Conn., assignor to American Automatic Press Company, San Francisco, Cal. Side-register device. No. 1,103,433; July 14; Gaz. vol. 204; p. 466.
- Rea, Edward J. F., and C. E. Clark, Hartford, Conn., assignors to American Automatic Press Company, San Francisco, Cal. Controlling mechanism. No. 1,084,295; Jan. 13; Gaz. vol. 198; p. 373.
- Rea, Frank E. (See Olbon, John A., assignor.)
- Rea, Walter G. (See McCulley, Rea, and Forward.)
- Reach, George A. (See Cline, Samuel, assignor.)
- Reach, George A. (See Gamble, John, assignor.)
- Reach, George A. (See Hooper, Thomas D., Jr., assignor.)
- Reach, George A. (See Nixon, Robert F., Jr., assignor.)
- Reach, Milton B., Chicopee, Mass. Peg for tennis-nets, &c. No. 1,120,406; Dec. 8; Gaz. vol. 209; p. 558.
- Reach, Milton B., Chicopee, Mass., assignor to A. G. Spalding & Bros. Man'g. Co. Gymnasium-ring. No. 1,108,003; Aug. 18; Gaz. vol. 205; p. 938.
- Reach, Robert, Springfield, Mass. Striking-bag. No. 1,119,635; Dec. 1; Gaz. vol. 209; p. 253.
- Reach, William F., assignor to A. G. Spalding & Bros. Man'g. Co., Chicopee, Mass. Throwing-hammer. No. 1,122,157; Dec. 22; Gaz. vol. 209; p. 1253.
- Reach, William F., assignor to A. G. Spalding & Bros. Man'g. Co., Chicopee, Mass. Hurdle. No. 1,122,158; Dec. 22; Gaz. vol. 209; p. 1253.
- Read, Charles, New York, N. Y. Spike. No. 1,112,557; Oct. 6; Gaz. vol. 207; p. 52.
- Read, Edward. (See Gibson, Farmer, and Read.)
- Read, Emery C., Franklin, Pa. Apparatus for promoting combustion in furnaces. No. 1,106,583; Aug. 11; Gaz. vol. 205; p. 393.
- Read, George, Vancouver, British Columbia, Canada. Device for teaching swimming. No. 1,122,219; Dec. 22; Gaz. vol. 209; p. 1274.
- Read, Harry V. R., Charing Cross, London, England. Apparatus for use in extinguishing fires. No. 1,099,767; June 9; Gaz. vol. 203; p. 521.
- Read Holliday & Sons. (See Turner and Dean, assignors.)
- Read, Jennie D., Davis, Cal. Portable derrick. No. 1,100,447; June 16; Gaz. vol. 203; p. 794.
- Read, William G., Whiston, Prescott, England. Apparatus for transferring cargo in bulk. No. 1,089,496; Mar. 10; Gaz. vol. 200; p. 330.
- Reade, William A., assignor to The Ludlow Typograph Company, Cleveland, Ohio. Mold for typographs. No. 1,106,112; Aug. 4; Gaz. vol. 205; p. 185.
- Reading Crane and Hoist Works. (See Valentine, Herbert S., assignor.)
- Reading Hardware Company. (See De Wolfe, Willis H., assignor.)
- Reading Hardware Company. (See Mason, George N., assignor.)
- Reading Iron Company. (See Boyer, Jesse I., assignor.)
- Reading Specialties Company. (See Crawford, John S., assignor.)
- Reading, Peter, assignor to The Akron Cultivator Company, Akron, Ohio. Fertilizer-distributing attachment. No. 1,091,163; Mar. 24; Gaz. vol. 200; p. 977.
- Ready, Martin C. (See Putnam and Ready.)
- Ready Rax Manufacturing Company. (See Dougherty, Everett M., assignor.)
- Reagan, Caswell A., Fellows, Cal. Expanding well-digging bit. No. 1,095,419; May 5; Gaz. vol. 202; p. 84.
- Reagan, Daniel E., assignor to Hocking Valley Products Company, Columbus, Ohio. Brick-machine. No. 1,100,989; June 23; Gaz. vol. 203; p. 1035.
- Reagan, Daniel E., assignor to Hocking Valley Products Company, Columbus, Ohio. Ornamenting bricks. No. 1,101,093; June 23; Gaz. vol. 203; p. 1071.
- Reagan, Daniel E., assignor to Hocking Valley Products Company, Columbus, Ohio. Ornamental brick. No. 1,118,681; Nov. 24; Gaz. vol. 208; p. 1242.
- Reagan, Frank H., and A. G. Phillips, Scranton, Pa. Motor grinding-machine. No. 1,094,811; Apr. 28; Gaz. vol. 201; p. 1052.
- Reagan, Harry C., assignor of one-half to W. R. Benson, Philadelphia, Pa. Lamp-support. No. 1,084,362; Jan. 13; Gaz. vol. 198; p. 395.
- Reagan, James, Philadelphia, Pa. Grate. No. 1,112,383; Sept. 29; Gaz. vol. 206; p. 1398.
- Ream, Fred H., Lincoln, Nebr. Metal bridging for floor-joists. No. 1,106,844; Aug. 11; Gaz. vol. 205; p. 484.
- Ream, Fred H., Kansas City, Mo. Metal bridging for floor-joists. No. 1,106,845; Aug. 11; Gaz. vol. 205; p. 484.
- Ream, Gordon A., Buffalo, N. Y. Steering mechanism for automobiles. No. 1,112,031; Sept. 29; Gaz. vol. 206; p. 1274.
- Reamer, William S., Kansas City, Mo. Gas-burner. No. 1,122,639; Dec. 29; Gaz. vol. 209; p. 1458.
- Reams, Herman S. (See Turner and Reams.)
- Reams, Joshua W., assignor to Richmond Cedar Works, Richmond, Va. Washing-machine gearing. No. 1,104,830; July 28; Gaz. vol. 204; p. 1042.
- Reaney, Joseph H., St. Johnsville, assignor to Union Mills, Inc., Hudson, N. Y. Knit undergarment. No. 1,118,802; Nov. 24; Gaz. vol. 208; p. 1282.
- Reardon, John F., Millville, N. J. Cleansing cotton and preparing it for market or for carding. No. 1,111,761; Sept. 29; Gaz. vol. 206; p. 1181.
- Reardon, Patrick H., San Francisco, Cal. Air-compressor. No. 1,097,878; May 26; Gaz. vol. 202; p. 1054.
- Rearick, Charles B., New York, N. Y., assignor to Connecticut Turbine Manufacturing Company, New London, Conn. Steam-turbine. No. 1,084,031; Jan. 13; Gaz. vol. 198; p. 286.
- Rearick, Perry L., Logansport, Ind. Packing-box. No. 1,102,687; July 7; Gaz. vol. 204; p. 162.
- Rearick, William B., Baltimore, Md. Check-canceling attachment for adding-machines. No. 1,117,602; Nov. 17; Gaz. vol. 208; p. 822.
- Reason, Walter M., Pontiac, Mich. Inner tube. No. 1,109,939; Sept. 8; Gaz. vol. 206; p. 424.
- Reaugh, Frank, Dallas, Tex. Pump or motor. No. 1,101,329; June 23; Gaz. vol. 203; p. 1151.
- Rebel, John, Cleveland, Ohio. Leaf-turning device. No. 1,118,050; Nov. 24; Gaz. vol. 208; p. 1021.
- Rebsamen, Julius, Chicago, Ill. Refrigerating-machine. No. 1,084,962; Jan. 20; Gaz. vol. 198; p. 626.
- Rechnitz, Otto, Cottbus, Germany. Supporting structure for plaster in walls. No. 1,091,164; Mar. 24; Gaz. vol. 200; p. 978.
- Rechnitz, Otto, Cottbus, Germany. Foundation on which plaster may be laid. No. 1,107,841; Aug. 18; Gaz. vol. 205; p. 883.
- Recht, Florence. (See Recht, Frederick, assignor.)
- Recht, Frederick, New York, assignor to F. Recht, Brooklyn, N. Y. Window-came. No. 1,092,784; Apr. 7; Gaz. vol. 201; p. 227.
- Reck, Amzi G., Columbus, Ohio, assignor to O. M. Wolff, Chicago, Ill. Counter-bracket. No. 1,094,812; Apr. 28; Gaz. vol. 201; p. 1052.
- Reck, Anders B., Hellerup, Denmark. Heating water for circulating systems. No. 1,101,330; June 23; Gaz. vol. 203; p. 1152.
- Reck, Rollend R., Bradford, Pa. Portable power unit. No. 1,098,403; June 2; Gaz. vol. 203; p. 16.
- Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Socket for incandescent electric lamps. No. 1,104,931; July 28; Gaz. vol. 204; p. 1077.
- Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Portable electric lamp. No. 1,113,909; Oct. 13; Gaz. vol. 207; p. 565.
- Recklinghausen, Max von. (See Henri, Helbronner, and Recklinghausen.)
- Recklinghausen, Max von, Paris, France, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electrode for gas or vapor electric apparatus. No. 1,091,244; Mar. 24; Gaz. vol. 200; p. 1006.
- Recklinghausen, Max von, Paris, France, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electrode for gas or vapor electric apparatus. No. 1,110,574; Sept. 15; Gaz. vol. 206; p. 689.
- Recklinghausen, Max von, Paris, France, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric apparatus. No. 1,110,575; Sept. 15; Gaz. vol. 206; p. 690.
- Recklinghausen, Max von, New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Gas or vapor converter device. No. 1,110,572; Sept. 15; Gaz. vol. 206; p. 689.
- Recklinghausen, Max von, New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Gas or vapor converter device. No. 1,110,573; Sept. 15; Gaz. vol. 206; p. 689.
- Recklinghausen, Max von, Suresnes, France, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Means for improving a vacuum. No. 1,110,576; Sept. 15; Gaz. vol. 206; p. 690.
- Recknagel, Karl, Boston, Mass. Light-conductor. No. 1,120,744; Dec. 15; Gaz. vol. 209; p. 725.
- Recondo, Abel R. A. G. de, Paris, France. Apparatus enabling the speed of motor-cars to be regulated and the excess of speed recorded. No. 1,100,254; June 16; Gaz. vol. 203; p. 727.
- Record, George J., Conneaut, Ohio. Hooped and braced shipping-case for cans. No. 1,117,951; Nov. 17; Gaz. vol. 208; p. 946.
- Recording and Computing Machines Company, The. (See Ohmer, Wilfred I., assignor.)
- Recording and Computing Machines Company, The. (See Ohmer and Kist, assignors.)

Alphabetical list of patentees—Continued.

- Recording and Computing Machines Company, The. (See Whistler, David B., assignor.)
- Recording Register & Fare Box Company. (See Littlejohn, Charles F., assignor.)
- Recording Register and Fare Box Company, The. (See Mitten, Philip J., assignor.)
- Recording Safety Device Company. (See Hudson, Frederick F., assignor.)
- Rector, William G., Windsor, assignor of one-half to S. B. Sturgis, Leeton, Mo. Hammock-support and canopy therefor. No. 1,097,941; May 26; Gaz. vol. 202; p. 1077.
- Red Jacket Manufacturing Company. (See Stebbins, Timothy, assignor.)
- Red, John E., Wortham, Tex. Non-refillable bottle. No. 1,100,843; June 23; Gaz. vol. 203; p. 982.
- Red, John M., Saucier, Miss. Flower-stand. No. 1,112,558; Oct. 6; Gaz. vol. 207; p. 52.
- Red Wing Manufacturing Company, The. (See Johnson, Oscar F., assignor.)
- Redd, Benoist S., assignor to R. Hoe and Co., New York, N. Y. Gage mechanism for plate-trimming machines. No. 1,085,221; Jan. 27; Gaz. vol. 198; p. 751.
- Redd, John B., Oakland, and S. Bermingham, San Francisco, Cal. Auxiliary fire-engine heater. No. 1,096,458; May 12; Gaz. vol. 202; p. 473.
- Redden, Allison P., Worcester, Mass. Motor knife-grinder. No. 1,085,876; Feb. 3; Gaz. vol. 199; p. 105.
- Reddick, William A., Niles, Mich. Doll-bed frame. No. 1,112,934; Oct. 6; Gaz. vol. 207; p. 182.
- Redding, Jerome, Malden, assignor to F. H. Lord, trustee, South Weymouth, Mass. Telephone-transmitter. No. 1,095,354; May 5; Gaz. vol. 202; p. 62.
- Redding, Robert B., and J. W. Barnett, Oakwood, Tex. Baling-press. No. 1,104,831; July 28; Gaz. vol. 204; p. 1042.
- Redding, Thomas L., Seattle, Wash. Pile-driving machine. No. 1,088,927; Mar. 3; Gaz. vol. 200; p. 87.
- Reddy, Byron H., assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Separating device. No. 1,116,485; Nov. 10; Gaz. vol. 208; p. 388.
- Redfern, Edward, Auckland, New Zealand. Tobacco-pipe. No. 1,103,837; July 14; Gaz. vol. 204; p. 608.
- Redfield, Casper L., Chicago, Ill. Vehicle-wheel. No. 1,113,577; Oct. 13; Gaz. vol. 207; p. 450.
- Redfield, Clifford S., Brookline, Mass., assignor to Essex Rubber Company, Inc., Trenton, N. J. Rubber sole for boots and shoes. No. 1,103,892; July 14; Gaz. vol. 204; p. 628.
- Redfield, Edward E., Glendale, Ore. Gun-stock. No. 1,096,861; May 19; Gaz. vol. 202; p. 653.
- Redfield, Edward E., Glendale, Ore. Firearm. No. 1,103,687; July 14; Gaz. vol. 204; p. 559.
- Redfield, Edward E., Glendale, Ore. Firearm. No. 1,111,234; Sept. 22; Gaz. vol. 206; p. 964.
- Redfield, Josiah B., Omaha, Nebr. Voting-booth. No. 1,097,728; May 26; Gaz. vol. 202; p. 1001.
- Redfield, William C., Chicago, Ill. Wiper for trimming-knives of linotype-machines. No. 1,094,931; Apr. 28; Gaz. vol. 201; p. 1092.
- Redford, W. E. (See Applewhite, James A., assignor.)
- Redin, John E., assignor of one-half to C. A. Lindberg, Rockford, Ill. Latch. No. 1,111,235; Sept. 22; Gaz. vol. 206; p. 964.
- Redington, Frank B., and M. J. Milmo, Chicago, Ill., assignors, by mesne assignments, to Package Machinery Company, Springfield, Mass. Wrapping-machine. No. 1,117,442; Nov. 17; Gaz. vol. 208; p. 768.
- Redington, Thomas G., Medfield, and J. L. E. Pell, Great Barrington, Mass. Pneumatic projector for confetti and the like. No. 1,122,421; Dec. 29; Gaz. vol. 209; p. 1381.
- Redington, William H., Evanston, Ill. Jug or similar vessel. No. 1,110,402; Sept. 15; Gaz. vol. 206; p. 629.
- Redington, William H., Evanston, Ill. Paste-cup and similar vessel. No. 1,110,646; Sept. 15; Gaz. vol. 206; p. 716.
- Redkey, John J., Denver, Colo. Railway-tie. No. 1,108,396; Aug. 25; Gaz. vol. 205; p. 1124.
- Redlich & Berger Bruder. (See Oesterreicher, Alfred, assignor.)
- Redman, Charles O., Gotebo, Okla. Signal. No. 1,095,673; May 5; Gaz. vol. 202; p. 171.
- Redman, Lawrence V., Lawrence, Kans., assignor, by mesne assignments, to Amberoid Chemical Products Company, Chicago, Ill. Composition of matter and producing the same. No. 1,107,703; Aug. 18; Gaz. vol. 205; p. 835.
- Redman, Richard R., Milbank, S. D. Clutch. No. 1,096,752; May 12; Gaz. vol. 202; p. 572.
- Redmond, Joseph C., Mount Vernon, N. Y. Bridle for track-rails. No. 1,105,101; July 28; Gaz. vol. 204; p. 1135.
- Redrup, Alfred L., and H. K. Boyle, Leeds, England. Internal-combustion engine. No. 1,109,644; Sept. 1; Gaz. vol. 206; p. 278.
- Redrup, Charles B., Chapelton, Leeds, England. Valve and valve-gear of internal-combustion engines. No. 1,121,131; Dec. 15; Gaz. vol. 209; p. 862.
- Reece Button Hole Machine Company. (See Anderson, Carl A., assignor.)
- Reece Button Hole Machine Company, The. (See Dahl, Charles A., assignor.)
- Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
- Reece Button Hole Machine Company, The. (See Reece and Kiewicz, assignors.)
- Reece Buttonhole Machine Company. (See Hagelstein, Christian H. T., assignor.)
- Reece, Earl J., Denver, Colo. Horseshoe attachment. No. 1,094,474; Apr. 28; Gaz. vol. 201; p. 933.
- Reece Folding Machine Company. (See Clearwater, Temple, and Ramsey, assignors.)
- Reece, Franklin A., Manchester, and J. Kiewicz, assignors to The Reece Button Hole Machine Company, Boston, Mass. Sewing-machine. No. 1,088,624; Feb. 24; Gaz. vol. 199; p. 1194.
- Reece, Juan H., assignor to Humphrey & Sons, Joliet, Ill. Wire-drawing appliance. No. 1,084,110; Jan. 13; Gaz. vol. 198; p. 312.
- Reece, Juan H., assignor to Humphrey & Sons, Joliet, Ill. Wire-wiping apparatus. No. 1,117,603; Nov. 17; Gaz. vol. 208; p. 823.
- Reece Shoe Machinery Company, The. (See Schoenky, August R., assignor.)
- Reed, Alfred L. (See Schroeder, Peter W., assignor.)
- Reed, Andrew K., Philadelphia, Pa. Pipe-wrench. No. 1,114,649; Oct. 20; Gaz. vol. 207; p. 865.
- Reed, Arthur, assignor to B. W. Reed, Fort Worth, Tex. Land-breaking plow. No. 1,113,691; Oct. 13; Gaz. vol. 207; p. 489.
- Reed, Arthur S., assignor to C. E. Richmond and C. C. Tuxbury, Grand Rapids, Mich. Flexible shafting. No. 1,100,097; June 16; Gaz. vol. 203; p. 673.
- Reed, Bennett W. (See Reed, Arthur, assignor.)
- Reed, David E. (See Ratzlaff and Reed.)
- Reed, Edward B., et al. (See Whitaker, Samuel T., assignor.)
- Reed, Edwin A., E. L. Reller, W. L. Swift, St. Louis, and A. J. Meier, Glendale, assignors to The Duplex Adding Machine Company, St. Louis, Mo. Calculating-machine. No. 1,118,682; Nov. 24; Gaz. vol. 208; p. 1242.
- Reed, Elliott W., Savannah, Ga. Making calcium acid phosphate. No. 1,105,304; July 28; Gaz. vol. 204; p. 1206.
- Reed, Elmer B., McDonald, Pa. Nail-extracting hatchet. No. 1,114,910; Oct. 27; Gaz. vol. 207; p. 1011.
- Reed, Frank E., Northfield, Vt. Hanger for windows and screens. No. 1,087,551; Feb. 17; Gaz. vol. 199; p. 783.
- Reed, Harry L. (See Griffith, William H., assignor.)
- Reed, Harvey D., North Abington, Mass. Shoe-last. No. 1,096,949; May 19; Gaz. vol. 202; p. 685.
- Reed, Ira F., Johnstown, Pa. Bag-holder. No. 1,086,218; Feb. 3; Gaz. vol. 199; p. 225.
- Reed, Jacob D., Schuylkill Haven, Pa., and L. Schmidt, New York, N. Y. Undergarment. No. 1,088,724; Mar. 3; Gaz. vol. 200; p. 19.
- Reed, James H., Swampscott, assignor to Essex Machine Company, Lynn, Mass. Dieing-machine. No. 1,091,707; Mar. 31; Gaz. vol. 200; p. 1203.
- Reed, James L., assignor of one-half to G. B. Nottingham, Marion, Ind. Swing. No. 1,095,518; May 5; Gaz. vol. 202; p. 119.
- Reed, John W., Mulberry, Ind. Paper-lifting device. No. 1,094,593; Apr. 28; Gaz. vol. 201; p. 973.
- Reed, Lottie A., et al. (See Walker, Harry S., assignor.)
- Reed, Lyman C., New Orleans, La. Electroliter-hanger. No. 1,089,497; Mar. 10; Gaz. vol. 200; p. 330.
- Reed Manufacturing Company. (See Bayton, Albert, assignor.)
- Reed Manufacturing Company. (See Pritchard, Albert R., assignor.)
- Reed Manufacturing Company. (See Quinn, Lawrence R., assignor.)
- Reed-Prentice Company. (See Newton, Albert E., assignor.)
- Reed, Ralph R., Oakland, Cal. Aeroplane. No. 1,094,249; Apr. 21; Gaz. vol. 201; p. 797.
- Reed, Richard C. S. (See Neth, George J., assignor.)
- Reed, Ulysses G., Wichita, Kans. Weather-strip. No. 1,120,972; Dec. 15; Gaz. vol. 209; p. 804.
- Reed, Victor J., Rockford, Ill. Portable rubbing-machine. No. 1,099,617; June 9; Gaz. vol. 203; p. 470.
- Reed, Victor J., Rockford, Ill., assignor to C. Mattison Machine Works, Beloit, Wis. Portable rubbing-machine. No. 1,122,640; Dec. 29; Gaz. vol. 209; p. 1458.
- Reed, Walter C., Dalton, assignor to The Teleelectric Company, Pittsfield, Mass. Circuit-controlling finger for electrically-operated musical instruments. No. 1,112,657; Oct. 6; Gaz. vol. 207; p. 88.
- Reed, Walter C., Dalton, assignor to The Teleelectric Company, Pittsfield, Mass. Circuit-controlling finger for electrically-operated music-playing apparatus. No. 1,112,658; Oct. 6; Gaz. vol. 207; p. 88.
- Reed, Walter C., Dalton, assignor to The Teleelectric Company, Pittsfield, Mass. Playing apparatus for musical instruments. No. 1,116,327; Nov. 3; Gaz. vol. 208; p. 292.
- Reed, Walter F., assignor to G. J. Dunbaugh, Chicago, Ill. Screw-head-slotting mechanism for screw-making machines. No. 1,085,631; Feb. 3; Gaz. vol. 199; p. 18.

Alphabetical list of patentees—Continued.

- Reed, William, Chillicothe, Mo. Automatic car-brake-controlling apparatus. No. 1,099,074; June 2; Gaz. vol. 203; p. 239.
- Reed, William A., Los Angeles, Cal. Rotary engine. No. 1,115,569; Nov. 3; Gaz. vol. 208; p. 34.
- Reed, William C., Chicago, Ill. Car-axle box and lid. No. 1,095,737; May 5; Gaz. vol. 202; p. 193.
- Reed, William C., Pittsfield, Mass. Apparatus for indicating the displacement of rotary bodies. No. 1,098,760; June 2; Gaz. vol. 203; p. 137.
- Reeder, Franklin H., Philadelphia, Pa. Corn-planter. No. 1,092,539; Apr. 7; Gaz. vol. 201; p. 143.
- Reeder, James S., Portland, Ore. Carbureter. No. 1,092,079; Mar. 3; Gaz. vol. 200; p. 1329.
- Reeder, John F., Shelbyville, Ill. Attachment for spades and the like. No. 1,098,460; June 2; Gaz. vol. 203; p. 36.
- Reeder, John F., Shelbyville, Ill. Railway-crossing signal. No. 1,112,835; Oct. 6; Gaz. vol. 207; p. 149.
- Reeder, Joseph H. (See Girtanner, Alexander, assignor.)
- Reenstrom, Walter, Chicago, Ill. Smoke-jack. No. 1,108,234; Aug. 25; Gaz. vol. 205; p. 1067.
- Rees, Fred, *et al.* (See Rees, John H., assignor.)
- Rees, James P., assignor of one-half to E. E. Robey, Des Moines, Iowa. Shirt-front attachment. No. 1,098,638; June 2; Gaz. vol. 203; p. 97.
- Rees, John H., assignor to F. Rees and W. W. Morrell, Meriden, Conn. Reel for moving-picture films. No. 1,089,082; Mar. 3; Gaz. vol. 200; p. 140.
- Rees, Leon. (See Steiner, Liebermann, and Scharfenberg, assignors.)
- Rees, Onesimus, Roswell, N. Mex. Water and wind engine. No. 1,096,057; May 12; Gaz. vol. 202; p. 337.
- Rees, Paul J., Meadville, Pa. Table-sweeper. No. 1,115,023; Oct. 27; Gaz. vol. 207; p. 1052.
- Rees, Walter, assignor to W. H. Hollar, Philadelphia, Pa. Vault. No. 1,108,105; Aug. 18; Gaz. vol. 205; p. 974.
- Rees, Warren C., Somerville, assignor to Aseptic Service Company, Boston, Mass. Sanitary water-closet. No. 1,092,392; Apr. 7; Gaz. vol. 201; p. 92.
- Rees, Warren C., Somerville, and S. Etherington, Winthrop, Mass., assignors to Aseptic Service Company. Sanitary water-closet. No. 1,092,391; Apr. 7; Gaz. vol. 201; p. 91.
- Rees, William M. (See Norris, Hallie, assignor.)
- Reese, Andrew. (See Beatty and Reese.)
- Reese, Daniel J., Scranton, Pa. Drain-pipe flusher. No. 1,110,715; Sept. 15; Gaz. vol. 206; p. 741.
- Reese, David W., assignor of one-third to R. E. Lanz, Cleveland, Ohio. Pipe-vise. No. 1,108,519; Aug. 25; Gaz. vol. 205; p. 1166.
- Reese, Ebenezer T., Granger, Wash. Fruit-picker's apron. No. 1,094,250; Apr. 21; Gaz. vol. 201; p. 798.
- Reese, Franklin T., Pittsburgh, Pa. Hand-brake ratchet. No. 1,090,230; Mar. 17; Gaz. vol. 200; p. 624.
- Reese, Harvey L., Philadelphia, and H. H. Platt, Wallingford, Pa. Internal-combustion engine. No. 1,091,389; Mar. 24; Gaz. vol. 200; p. 1051.
- Reese, Harvey L., Philadelphia, and H. H. Platt, Wallingford, Pa. Internal-combustion engine. No. 1,114,521; Oct. 20; Gaz. vol. 207; p. 823.
- Reese, Herbert T., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Burial-vault. No. 1,092,289; Apr. 7; Gaz. vol. 201; p. 58.
- Reese-Herrin Company. (See Dunford, John W., assignor.)
- Reese, John D. (See Covault and Reese.)
- Reese, Joseph W., Salt Lake City, Utah. Rail chair and clamp. No. 1,113,048; Oct. 6; Gaz. vol. 207; p. 220.
- Reese, Paul P., and E. L. Diehl, Munhall, Pa. Treating alloy-steel scrap. No. 1,108,235; Aug. 25; Gaz. vol. 205; p. 1067.
- Reese, William H. (See Click, Washington B., assignor.)
- Reetz, William, assignor to Universal Auto Supply Manufacturing Company, Chicago, Ill. Muffler for autos. No. 1,109,702; Sept. 8; Gaz. vol. 206; p. 340.
- Reeve, Henry E., New York, N. Y. Electric bell. No. 1,086,083; Feb. 3; Gaz. vol. 199; p. 181.
- Reeve, Henry E., New York, N. Y. Thermostat. No. 1,091,764; Mar. 31; Gaz. vol. 200; p. 1223.
- Reeve, Henry E., New York, N. Y. Lamp-socket shell. No. 1,105,305; July 28; Gaz. vol. 204; p. 1206.
- Reeve, Henry E., New York, N. Y. Electrical apparatus. No. 1,109,940; Sept. 8; Gaz. vol. 206; p. 425.
- Reeve, Henry E., New York, N. Y. Thermostat. No. 1,111,236; Sept. 22; Gaz. vol. 206; p. 965.
- Reeves, Charles W., assignor to Marlin Firearms Company, New Haven, Conn. Cartridge-shell. No. 1,115,570; Nov. 3; Gaz. vol. 208; p. 35.
- Reeves, Clifton, Trenton, assignor of one-half to W. P. Cubberley, Robbinsville, N. J. Engine-governor. No. 1,103,077; July 14; Gaz. vol. 204; p. 344.
- Reeves, Edwin A., Milford, Conn. Piston. No. 1,084,755; Jan. 20; Gaz. vol. 198; p. 557.
- Reeves, Edwin A., Milford, Conn. Vacuum-cleaner. No. 1,093,473; Apr. 14; Gaz. vol. 201; p. 495.
- Reeves, Ernest H. (See Brew and Reeves.)
- Reeves, Frank N., Newark, N. J., assignor to Western Electric Company, New York, N. Y. Electrical controlling mechanism. No. 1,093,147; Apr. 14; Gaz. vol. 201; p. 386.
- Reeves, Frank N., assignor to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,109,703; Sept. 8; Gaz. vol. 206; p. 341.
- Reeves, Frank N., Newark, N. J., and A. E. Lundell, assignors to Western Electric Company, New York, N. Y. Automatic telephone-exchange system. No. 1,115,739; Nov. 3; Gaz. vol. 208; p. 92.
- Reeves, Frank N., Newark, N. J., and A. E. Lundell, assignors to Western Electric Company, New York, N. Y. Automatic telephone-exchange. No. 1,121,666; Dec. 22; Gaz. vol. 209; p. 1082.
- Reeves, Ira L., Natick, Mass. Target indicating means. No. 1,121,867; Dec. 22; Gaz. vol. 209; p. 1154.
- Reeves, John T., Grant, assignor of one-half to Burgoyne Bros., Hugo, Okla. Wrench. No. 1,095,519; May 5; Gaz. vol. 202; p. 119.
- Reeves, Walter M., Los Angeles, Cal. Evaporative cooler. No. 1,086,219; Feb. 3; Gaz. vol. 199; p. 225.
- Refractory Ores. (See Foye, Moore, and Boyle, assignors.)
- Refrigeration Corporation, The. (See Molesworth, Clyde E., assignor.)
- Regal, August. (See Fanta, Regal, Vietze, and Wessely.)
- Regal Patente-Gesellschaft, m. b. H., *et al.* (See Fanta, Regal, Vietze, and Wessely, assignors.)
- Regan, Joseph C., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Hoist-block. No. 1,092,860; Apr. 14; Gaz. vol. 201; p. 288.
- Regar Brass Manufacturing Company, The. (See Regar, Joseph, assignor.) (Reissue.)
- Regar, Joseph, assignor to The Regar Brass Manufacturing Company, Cleveland, Ohio. Faucet attachment. (Reissue.) No. 13,786; Aug. 4; Gaz. vol. 205; p. 266.
- Regaud, Claudius, Lyon, France. Osmo-anticathodic vacuum-regulator for X-ray tubes. No. 1,096,390; May 12; Gaz. vol. 202; p. 450.
- Regenold, Fredrick, Memphis, Tenn. Machine for automatically operating saw swages and shapers. No. 1,094,251; Apr. 21; Gaz. vol. 201; p. 798.
- Regina Company, The. (See Koch, Henry, assignor.)
- Regina Company, The. (See Sampere, Jose, assignor.)
- Register, Claude E. (See Braswell, William T., assignor.)
- Registered Tracer System. (See Todd, John T., assignor.)
- Reglin, Edward, Cochrane, Wis. Lubricator. No. 1,107,226; Aug. 11; Gaz. vol. 205; p. 617.
- Regnery, William H., and S. Kempner, assignors to The Western Shade Cloth Company, Chicago, Ill. Shade-cloth. No. 1,100,255; June 16; Gaz. vol. 203; p. 728.
- Reguin, Ernest L., San Francisco, Cal. Sash-lock for reversible windows. No. 1,109,871; Sept. 8; Gaz. vol. 206; p. 399.
- Rehbein, Conrad, Detroit, Mich. Machine for slitting and bending sheet metal. No. 1,118,232; Nov. 24; Gaz. vol. 208; p. 1083.
- Rehfeld, Benjamin F., Cresbard, S. D. Valve-grinding device. No. 1,118,804; Nov. 24; Gaz. vol. 208; p. 1282.
- Rehfuß, John G. (See Burgess and Rehfuß.)
- Rehfuß, John G. (See Rehfuß, Burgess, and Rehfuß.)
- Rehfuß, John G. (See Tily and Rehfuß.)
- Rehfuß, Martin O. (See Burgess and Rehfuß.)
- Rehfuß, Martin O. (See Tily and Rehfuß.)
- Rehfuß, Martin O., A. Burgess, and J. G. Rehfuß, Philadelphia, Pa. Mechanism for cutting the floating threads of lace and other fabrics. No. 1,103,838; July 14; Gaz. vol. 204; p. 608.
- Rehlin, Charles J., Pittsburgh, Pa. Optical-illusion amusement apparatus. No. 1,098,761; June 2; Gaz. vol. 203; p. 138.
- Rehm, Frederick C., assignor of one-half to C. Nelson, Detroit, Mich. Bath-tub appliance. No. 1,111,094; Sept. 22; Gaz. vol. 206; p. 915.
- Reiber, Herbert H., Philadelphia, Pa. Safety-guard for furnace-doors. No. 1,101,094; June 23; Gaz. vol. 203; p. 1071.
- Reich, Joseph, New York, N. Y. Back-rest. No. 1,098,126; May 26; Gaz. vol. 202; p. 1141.
- Reich, Max, New York, N. Y. Electric-lamp socket. No. 1,098,973; June 2; Gaz. vol. 203; p. 209.
- Reich, Paul. (See Boch, Philipp, assignor.)
- Reich, William I., New York, N. Y. Blowpipe. No. 1,097,263; May 19; Gaz. vol. 202; p. 795.
- Reich, William I., New York, N. Y. Blowpipe. No. 1,097,264; May 19; Gaz. vol. 202; p. 796.
- Reichard, James H., assignor of one-half to J. Weckerling, New Orleans, La. Pressure-regulator. No. 1,097,879; May 26; Gaz. vol. 202; p. 1054.
- Reichard, Wade H., Troy, assignor to Federal Signal Company, Albany, N. Y. Railway-traffic-controlling apparatus. No. 1,099,469; June 9; Gaz. vol. 203; p. 421.
- Reichard, Wade H., Troy, assignor to Federal Signal Company, Albany, N. Y. Safety circuit-controller for traffic-controlling systems. No. 1,101,958; June 30; Gaz. vol. 203; p. 1422.
- Reichardt, Louis F., Massena, Iowa. Hen's nest. No. 1,084,963; Jan. 20; Gaz. vol. 198; p. 626.
- Reiche, Hermann, Millstone, N. J. Pencil. No. 1,106,160; Aug. 4; Gaz. vol. 205; p. 201.
- Reichelt, Adolf von, Purkersdorf, assignor to Hirsch & Fürst, Vienna, Austria-Hungary. Apparatus for raising sunken objects. No. 1,120,743; Dec. 15; Gaz. vol. 209; p. 724.

Alphabetical list of patentees—Continued.

- Reichenbach, Henry M., Chicago, Ill. Carbureter. No. 1,118,805; Nov. 24; Gaz. vol. 208; p. 1283.
- Reichenbach, Joseph, New Westminster, British Columbia, Canada. Preliminary fuel heating and feeding system. No. 1,085,160; Jan. 27; Gaz. vol. 198; p. 730.
- Reichenbach, Joseph, New Westminster, Canada. Oil-fuel heater. No. 1,120,536; Dec. 8; Gaz. vol. 209; p. 604.
- Reichert, Carl, North Yakima, Wash. Spraying apparatus. No. 1,089,083; Mar. 3; Gaz. vol. 200; p. 140.
- Reichhelm, Paul F., Jersey City, N. J. Soldering-iron. No. 1,111,762; Sept. 29; Gaz. vol. 206; p. 1182.
- Reichhold, Flügger & Boecking. (See Beringer and Zimmer, assignors.)
- Reichlinger, Mathias, Orscholz, Germany. Portable machine-saw. No. 1,088,092; Feb. 24; Gaz. vol. 199; p. 1017.
- Reichmann, Fritz, Albany, N. Y. Tooth-brush. No. 1,090,126; Mar. 10; Gaz. vol. 200; p. 546.
- Reid, Alexander W., Stratford, New Zealand. Milking-machine releaser. No. 1,119,536; Dec. 1; Gaz. vol. 209; p. 220.
- Reid, Andrew S. and R. Beverly, assignors, by mesne assignments, to Adjustable Frame Company, Marblehead, Mass. Adjustable frame. No. 1,091,245; Mar. 24; Gaz. vol. 200; p. 1006.
- Reid, Charles L. (See Reid, William H. and C. L.)
- Reid, David, Globe, Ariz. Flange-lubricator. No. 1,088,928; Mar. 3; Gaz. vol. 200; p. 88.
- Reid, David E., assignor to Eastman Kodak Co., Rochester, N. Y. Manufacture of acetyl-cellulose solutions. No. 1,095,999; May 5; Gaz. vol. 202; p. 280.
- Reid, David E., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose compound. No. 1,116,627; Nov. 10; Gaz. vol. 208; p. 443.
- Reid, David E., assignor to Eastman Kodak Company, Rochester, N. Y. Treating viscose. No. 1,117,604; Nov. 17; Gaz. vol. 208; p. 823.
- Reid, Fredrick D., Laurel, Miss. Bicycle-brake. No. 1,107,113; Aug. 11; Gaz. vol. 205; p. 574.
- Reid, James C., Bluefields, Nicaragua, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Crushing-roller. No. 1,108,850; Aug. 25; Gaz. vol. 205; p. 1279.
- Reid, John F., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Gripper. No. 1,122,305; Dec. 29; Gaz. vol. 209; p. 1344.
- Reid, Joseph B., *et al.* (See Northup, Frank, assignor.)
- Reid, Joseph W. (See Beck, Reid, and Skinner.)
- Reid Murdock & Co. (See Bode, William F., assignor.)
- Reid, Murdock & Co. (See McNeill, Thomas W., assignor.)
- Reid, Murdock & Co. (See McNeill, Thomas W., assignor.)
- Reid, Ralph L., *et al.* (See Northup, Frank, assignor.)
- Reid, Remer R., assignor to Shannen Refrigerator and Butcher Supply Co., Atlanta, Ga. Meat-grinder attachment. No. 1,115,243; Oct. 27; Gaz. vol. 207; p. 1130.
- Reid, Robert. (See Reid, Andrew S. and R.)
- Reid, Robert, Glasgow, Scotland. Wheel-tire for road-vehicles. No. 1,116,120; Nov. 3; Gaz. vol. 208; p. 224.
- Reid, Robert, Sanford, Me. Bonding-strap. No. 1,118,806; Nov. 24; Gaz. vol. 208; p. 1283.
- Reid, Robert M., Colorado Springs, Colo. Holder and deliverer for drinking-straws. No. 1,102,297; July 7; Gaz. vol. 204; p. 26.
- Reid, William, Kaw, Okla., assignor of one-half to W. E. Vasbinder, Simmons, Tex. Stock-chute. No. 1,091,459; Mar. 24; Gaz. vol. 200; p. 1072.
- Reid, William, Kaw, Okla., assignor of one-half to W. E. Vasbinder, Simmons, Tex. Fruit-drier. No. 1,091,460; Mar. 24; Gaz. vol. 200; p. 1073.
- Reid, William H. and C. L., Nekoma, Kans. Self-dumping barge. No. 1,117,906; Nov. 17; Gaz. vol. 208; p. 930.
- Reid, William J., Gananoque, Ontario, Canada. Automobile tire-tool. No. 1,116,924; Nov. 10; Gaz. vol. 208; p. 547.
- Reidt, Ulrich, Los Angeles, Cal. Rake. No. 1,116,121; Nov. 3; Gaz. vol. 208; p. 225.
- Reidy, James J. (See Olshefsky and Reidy.)
- Reier, Charles, assignor to Building Improvement Co., New York, N. Y. Floor and ceiling construction. No. 1,109,785; Sept. 8; Gaz. vol. 206; p. 368.
- Reifel, Robert, and G. Blattel, New York, N. Y. Loose-leaf binder. No. 1,094,019; Apr. 21; Gaz. vol. 201; p. 720.
- Reifsnnyder, James D., assignor to Stokes & Smith Company, Philadelphia, Pa. Thumb-hole-cutting machine. No. 1,092,393; Apr. 7; Gaz. vol. 201; p. 92.
- Reigle, Edward B., assignor of one-third to J. Zajic, Baltimore, Md. Welding copper. No. 1,098,404; June 2; Gaz. vol. 203; p. 17.
- Reiher, Emma K., Carlinville, Ill. Double-row cultivator. No. 1,114,911; Oct. 27; Gaz. vol. 207; p. 1011.
- Reil, Benjamin F. (See Turke and Reil.)
- Reilly, George C., *et al.* (See MacRae, Mungo L., assignor.)
- Reilly, Frank C., Detroit, Mich. Electric-display control. No. 1,119,371; Dec. 1; Gaz. vol. 209; p. 163.
- Reilly, Frank J. (See Keckeissen and Reilly.)
- Reilly, John P., *et al.* (See Showalter, Roy C., assignor.)
- Reilly, Lincoln L., Boston, Mass. Pipe-union. No. 1,098,974; June 2; Gaz. vol. 203; p. 209.
- Reilly, Matthew A. (See Aldridge and Reilly.)
- Reilly, Michael J., Chicago, Ill. Ironing-machine. No. 1,089,365; Mar. 3; Gaz. vol. 200; p. 235.
- Reilly, Michael J., assignor of one-fifth to G. A. Cregier, one-fifth to J. W. Raleigh, one-fifth to L. F. Baunach, and one-fifth to O. O. Eckstein, Chicago, Ill. Folding box. No. 1,112,559; Oct. 6; Gaz. vol. 207; p. 52.
- Reilly, William, Waltham, Mass. Paint-brush holder. No. 1,094,099; Apr. 21; Gaz. vol. 201; p. 746.
- Reimann, Franz M., Frankfort-on-the-Main, Germany, assignor to United Shoe Machinery Company, Paterson, N. J. Safety attachment for presses. No. 1,105,695; Aug. 4; Gaz. vol. 205; p. 38.
- Reimann, John, Jr., Tibbee Station, Miss. Rail-joint. No. 1,088,625; Feb. 24; Gaz. vol. 199; p. 1194.
- Reimers, Alfred E., New York, N. Y. Electrical pressing-iron. No. 1,114,805; Oct. 27; Gaz. vol. 207; p. 973.
- Reinbach, Bruck. (See Rohrer and Reinbach.)
- Reinders, Edward C., Arapahoe, Nebr. Corn-harvester. No. 1,095,520; May 5; Gaz. vol. 202; p. 119.
- Reinecke, Frederick C., Spokane, Wash. Joint for crates. No. 1,098,405; June 2; Gaz. vol. 203; p. 17.
- Reinecke, John P., Crafton, Pa. Water-heater. No. 1,116,738; Nov. 10; Gaz. vol. 208; p. 481.
- Reinecke, John P., Crafton, E. C. Weber and E. A. Krah, Jr., Pittsburgh, Pa. Thermostatic temperature-regulating apparatus. No. 1,087,908; Feb. 17; Gaz. vol. 199; p. 905.
- Reineke, Josef H., Bochum, assignor to Studiengesellschaft für drahtlose Grubentelefonie m. b. H., Cologne-Lindenthal, Germany. Telephony and telegraphy for mining-cages. No. 1,098,528; June 2; Gaz. vol. 203; p. 60.
- Reiner, Emil, assignor to J. Puch, Erste Steiermärkische Fahrrad-Fabriks Aktien-Gesellschaft, Gratz, Austria-Hungary. Type-writer. No. 1,097,046; May 19; Gaz. vol. 202; p. 718.
- Reiner, Emil, assignor to J. Puch, Erste Steiermärkische Fahrrad-Fabriks Aktien-Gesellschaft, Gratz, Austria-Hungary. Type-writer. No. 1,097,047; May 19; Gaz. vol. 202; p. 719.
- Reinert, Daniel, Temple, Pa. Railway-rail joint. No. 1,113,578; Oct. 13; Gaz. vol. 207; p. 450.
- Reinert, Jacob and L., Pittsburgh, Pa. Door-opener. No. 1,089,963; Mar. 10; Gaz. vol. 200; p. 490.
- Reinert, Louis. (Reinert, Jacob and L.)
- Reinforced Brickwork Company, The. (See Knowelden, Clarence A., assignor.)
- Reinforced-Concrete Company. (See Brussel, Hugues, assignor.)
- Reinhalter, Peter, Wilkes-Barre, Pa. Belt-coupling. No. 1,098,054; May 26; Gaz. vol. 202; p. 1117.
- Reinhardt, Ernst, Philadelphia, Pa. Doll-head. No. 1,112,032; Sept. 29; Gaz. vol. 206; p. 1274.
- Reinhardt, James H., East Orange, N. J. Printing-machine. No. 1,100,256; June 16; Gaz. vol. 203; p. 728.
- Reinhardt, James H., East Orange, N. J., assignor to American Bank Note Company. Geometrical machine. No. 1,092,170; Apr. 7; Gaz. vol. 201; p. 16.
- Reinhardt, James H., East Orange, N. J., assignor to American Bank Note Company. Perforating-machine. No. 1,092,596; Apr. 7; Gaz. vol. 201; p. 163.
- Reinhardt, Louis W., Brockton, assignor to G. E. Belcher, Stoughton, Mass. Shoe-form. No. 1,118,582; Nov. 24; Gaz. vol. 208; p. 1208.
- Reininger, August, San Francisco, Cal. Adjustable molding-stamp rack. No. 1,096,391; May 12; Gaz. vol. 202; p. 450.
- Reininger, Richard, Newark, N. J., assignor to Newark Rivet Works. Wind-guard or storm-shield. No. 1,115,571; Nov. 3; Gaz. vol. 208; p. 35.
- Reinke, Robert, Chicago, Ill. Lever-locking device. No. 1,102,802; July 7; Gaz. vol. 204; p. 202.
- Reinking, Karl, and A. J. Stiegelmann, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Compound of leuco vat dyes with aralkyl compounds and making same. No. 1,106,970; Aug. 11; Gaz. vol. 205; p. 528.
- Reinmiller, William C., Atlanta, Ill. Burial-vault. No. 1,088,725; Mar. 3; Gaz. vol. 200; p. 19.
- Reinoehl, William C., Omaha, Nebr. Fruit-clipper. No. 1,101,331; June 23; Gaz. vol. 203; p. 1152.
- Reip, Morgan D., Lothair, Mont. Shock-collecting apparatus. No. 1,085,161; Jan. 27; Gaz. vol. 198; p. 731.
- Reip, Morgan D., Lothair, Mont. Wrench. No. 1,121,760; Dec. 22; Gaz. vol. 209; p. 1114.
- Reis, Carl C., assignor to The Reis Egg Candler Company, Lima, Ohio. Egg-testing device. No. 1,101,882; June 30; Gaz. vol. 203; p. 1393.
- Reis Egg Candler Company, The. (See Reis, Carl C., assignor.)
- Reis, Herman, and E. Behringer, Brooklyn, N. Y. Manufacture of radiators. No. 1,084,232; Jan. 13; Gaz. vol. 198; p. 355.
- Reis, Herman, and E. Behringer, New York, N. Y. Radiator. No. 1,109,941; Sept. 8; Gaz. vol. 206; p. 425.
- Reis, Herman L. (See Maples, Charles R., assignor.)
- Reis, John, Montclair, N. J. Blast-furnace. No. 1,086,220; Feb. 3; Gaz. vol. 199; p. 225.
- Reisbach, Gustav B., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Ignition device. No. 1,096,459; May 12; Gaz. vol. 202; p. 474.

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- Reisbach, Gustave B., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,110,345; Sept. 15; Gaz. vol. 206; p. 609.
- Reiser, Daniel, assignor to J. B. Savage, Cleveland, Ohio. Feeding mechanism for stitching-machines. No. 1,086,084; Feb. 3; Gaz. vol. 199; p. 181.
- Reiser, Daniel, assignor to J. B. Savage, Cleveland, Ohio. Machine for stitching pamphlets. No. 1,086,085; Feb. 3; Gaz. vol. 199; p. 182.
- Reiser, Daniel, assignor to J. B. Savage, Cleveland, Ohio. Machine for stitching pamphlets. No. 1,114,386; Oct. 20; Gaz. vol. 207; p. 773.
- Reisert Automatic Water Purifying Company. (See Reisert, Hans, assignor.)
- Reisert, Hans, Cologne, Germany. Filter. No. 1,088,929; Mar. 3; Gaz. vol. 200; p. 88.
- Reisert, Hans, Cologne, Germany, assignor to Reisert Automatic Water Purifying Company. Apparatus for controlling the flow of liquids. No. 1,115,974; Nov. 3; Gaz. vol. 208; p. 173.
- Reisman, Adolph B., New York, N. Y. Coat. No. 1,090,409; Mar. 17; Gaz. vol. 200; p. 687.
- Reisner, Carl T., Waco, Tex. Shade and curtain bracket. No. 1,098,839; June 2; Gaz. vol. 203; p. 163.
- Reiss, Franklin, Collingswood, N. J. Toy aeroplane. No. 1,116,122; Nov. 3; Gaz. vol. 208; p. 225.
- Reiss, George T., Hamilton, Ohio, assignor to Niles-Bement-Pond Company, Jersey City, N. J. Wheel-press tail-block. No. 1,092,597; Apr. 7; Gaz. vol. 201; p. 164.
- Reiss, Paul, assignor to B. Knecht, Berlin, Germany. Printing-machine. No. 1,119,118; Dec. 1; Gaz. vol. 209; p. 770.
- Reisser, Adolf, Vienna, Austria-Hungary. Type-writing machine. No. 1,110,346; Sept. 15; Gaz. vol. 206; p. 610.
- Reissig, John B., Philadelphia, Pa. Metallic envelop-seal. No. 1,094,932; Apr. 28; Gaz. vol. 201; p. 1093.
- Reist, Kirby S., San Francisco, Cal., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,119,537; Dec. 1; Gaz. vol. 209; p. 220.
- Reist, Kirby S., San Francisco, Cal., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,119,538; Dec. 1; Gaz. vol. 209; p. 220.
- Reisz, Eugen. (See Lieben and Reisz.) (Reissue.)
- Reiter, Elza H., Elgin, Ill. Boiler-cleaner. No. 1,085,357; Jan. 27; Gaz. vol. 198; p. 800.
- Reiter, Elza H., Elgin, Ill. Flue-cleaner. No. 1,112,322; Sept. 29; Gaz. vol. 206; p. 1375.
- Reiter, Lues, New York, N. Y., assignor to Rau Fastener Company, Providence, R. I. Fastener. No. 1,089,366; Mar. 3; Gaz. vol. 200; p. 235.
- Reiter, Lues, and H. Fulford, Providence, R. I. Separable fastener. No. 1,109,179; Sept. 1; Gaz. vol. 206; p. 115.
- Reith, George H., Marion, Ind., assignor of one-half to J. Boyce, Cook county, Ill., and one-half to H. F. Anderson, Grant county, Ind. Interchangeable letter. No. 1,121,761; Dec. 22; Gaz. vol. 209; p. 1115.
- Reith, George H., and H. F. Anderson, Marion, Ind.; said Reith assignor to James Boyce, Chicago, Ill. Sign-letter holder. No. 1,116,628; Nov. 10; Gaz. vol. 208; p. 444.
- Reitmeyer, August. (See Sons, Baker, and Reitmeyer.)
- Reitmeyer, James S. (See Buck, David V., assignor.)
- Reitz, Heinrich. (See Pistor, Dion, and Reitz.)
- Reitz, William J., Southwest, Pa. Shade and curtain-pole bracket. No. 1,104,545; July 21; Gaz. vol. 204; p. 896.
- Relais-Gesellschaft m. b. H. (See Lieben and Reisz, assignors.) (Reissue.)
- Reliable Electric Company. (See Smith, Jacob A., assignor.)
- Reliance Ball Bearing Door Hanger Company. (See Cossey, Myron, assignor.)
- Reliance Ball Bearing Door Hanger Company. (See Speicher, Herman L., assignor.)
- Reliance Ball Bearing Door Hanger Company. (See Weiss, Louis T., Jr., assignor.)
- Reliance Gas Regulator & Machine Company. (See Hodge, Arthur J., assignor.)
- Reliance Speedmeter Company. (See Hoffecker, Abram, assignor.)
- Rellay, George E., Guilford, Conn. Raising and lowering mechanism. No. 1,103,839; July 14; Gaz. vol. 204; p. 609.
- Reller, Edwin L. (See Meier, Swift, and Reller.)
- Reller, Edwin L. (See Reed, Reller, Swift, and Meier.)
- Reller, Edwin L., assignor to The Duco Adding Machine Company, St. Louis, Mo. Accumulator for calculating-machines. No. 1,095,674; May 5; Gaz. vol. 202; p. 171.
- Reller, Edwin L., Portland, Oreg., assignor to The Duco Adding Machine Company, St. Louis, Mo. Item-cipher-printing means for calculating-machines. No. 1,098,170; May 26; Gaz. vol. 202; p. 1156.
- Reller, Edwin L., Portland, Oreg., assignor to The Duco Adding Machine Company, St. Louis, Mo. Mechanism for positioning the zero-types of accumulator-wheels for printing. No. 1,123,007; Dec. 29; Gaz. vol. 209; p. 1588.
- Remané, Hermann C. G., Berlin, Germany, assignor to General Electric Company. Filament-mounting. No. 1,106,971; Aug. 11; Gaz. vol. 205; p. 528.
- Rembold, Viktor, Kiel, assignor to Fried. Krupp Aktien-gesellschaft, Germania-erft, Kiel-Gaarden, Germany. Piston-cooling device for internal-combustion engines. No. 1,121,202; Dec. 15; Gaz. vol. 209; p. 887.
- Remer, Charles, Racine, Wis. Footwear. No. 1,089,791; Mar. 10; Gaz. vol. 200; p. 430.
- Remer, Charles, Miles City, Mont. Header-push. No. 1,095,027; Apr. 28; Gaz. vol. 201; p. 1126.
- Remington, Alfred A., and A. J. Rowledge, assignors to The Wolseley Tool and Motor Car Company, Limited, Birmingham, England. Means for use in starting internal-combustion engines of automobiles. No. 1,098,406; June 2; Gaz. vol. 203; p. 17.
- Remington, Alfred A., and A. J. Rowledge, assignors to The Wolseley Tool and Motor Car Company, Limited, Birmingham, England. Valve-gear of internal-combustion engines. No. 1,120,240; Dec. 8; Gaz. vol. 209; p. 499.
- Remington, Alfred M., assignor to Simonds Manufacturing Company, Fitchburg, Mass. Separable teeth for saws. No. 1,117,090; Nov. 10; Gaz. vol. 208; p. 605.
- Remington, Pearl, *et al.* (See Grant, Daniel, assignor.)
- Remington, Samuel B., Adrian, Mich. Air-damper release for furnaces. No. 1,110,577; Sept. 15; Gaz. vol. 206; p. 690.
- Remington Standard Motor Company. (See Hollister, Clarence P., assignor.)
- Remington Typewriter Company. (See Barney, Edwin E., assignor.)
- Remington Typewriter Company. (See Barr, John H., assignor.)
- Remington Typewriter Company. (See Carhart, Herbert A., assignor.)
- Remington Typewriter Company. (See Diss, Louis A., assignor.)
- Remington Typewriter Company. (See Ellis, Albert H., assignor.)
- Remington Typewriter Company. (See Farnham, Smith, and Phelps, assignors.)
- Remington Typewriter Company. (See Felbel, Jacob, assignor.)
- Remington Typewriter Company. (See Higham and Risley, assignors.)
- Remington Typewriter Company. (See Hunter, Charles H., assignor.)
- Remington Typewriter Company. (See Phelps, Joseph, assignor.)
- Remington Typewriter Company. (See Seib, George A., assignor.)
- Remington Typewriter Company. (See Shepard, Charles H., assignor.)
- Remington Typewriter Company. (See Smith, Arthur W., assignor.)
- Remington Typewriter Company. (See Smith, George H., assignor.)
- Remington Typewriter Company. (See Strother, Robert H., assignor.)
- Remington Typewriter Company. (See Woodward, Oscar, assignor.)
- Remington Typewriter Company. (See Yaw, Chio B., assignor.)
- Remington, William M., Springfield, assignor to Stevens-Duryea Company, Chicopee Falls, Mass. Water-pump for automobiles. No. 1,100,327; June 16; Gaz. vol. 203; p. 753.
- Remmers, Emile G. (See Kaser, Humble, and Remmers.)
- Remmers, Theodore W. (See Kirchhoff, William G., assignor.)
- Remnsnider, George, Belleville, Ill. Making punches. No. 1,089,724; Mar. 10; Gaz. vol. 200; p. 408.
- Rensen, Herbert D. (See Ward, Perner, and Rensen.)
- Rémusz, Serban. (See Sebessy and Rémusz.)
- Remy, Benjamin P. (See Remy and Berger.)
- Remy Brothers Company. (See Remy and Berger, assignors.)
- Remy Electric Company. (See Hawker and Reuter, assignors.)
- Remy, Frank I. and B. P., and A. Berger, assignors to Remy Brothers Company, Anderson, Ind. Traction-wheel cleat. No. 1,090,410; Mar. 17; Gaz. vol. 200; p. 687.
- Remy, Frank I. and B. P., and A. Berger, assignors to Remy Brothers Company, Anderson, Ind. Differentially-gear speed-changing mechanism. No. 1,090,411; Mar. 17; Gaz. vol. 200; p. 688.
- Renard, Edward, Lewistown, Pa. Steam or air blower. No. 1,091,081; Mar. 24; Gaz. vol. 200; p. 948.
- Rench, Charles A., Hamilton, Ohio. Portable bath. No. 1,104,314; July 21; Gaz. vol. 204; p. 812.
- René, Dominick H., Birmingham, Ala., assignor to H. W. Johns-Manville Company. Packing-joint for brake-cylinders. No. 1,085,222; Jan. 27; Gaz. vol. 198; p. 752.
- Reneker, James P., assignor of one-half to F. V. McDonnell, Logansport, Ind. Lifting-jack. No. 1,111,614; Sept. 22; Gaz. vol. 206; p. 1094.
- Reney, Jules F., Brandon, Manitoba, Canada. Plate-holder. No. 1,097,189; May 19; Gaz. vol. 202; p. 768.
- Renfrew, Donald. (See Field and Renfrew.)
- Renfrow, Frances N., Yazoo City, Miss. Wire-stretcher and fence mender and tightener. No. 1,108,397; Aug. 25; Gaz. vol. 205; p. 1124.

Alphabetical list of patentees—Continued.

- Renn, William H., assignor of one-third to J. F. McMahon, Rocky Mount, N. C. Expansion-pipe joint. No. 1,090,086; Mar. 10; Gaz. vol. 200; p. 531.
- Renner, Charles W., Altoona, Pa. Waste-guard for journal-boxes. No. 1,108,004; Aug. 18; Gaz. vol. 205; p. 938.
- Renner, Charles W., Altoona, Pa. Window construction. No. 1,111,547; Sept. 22; Gaz. vol. 206; p. 1070.
- Renner, Charles W., Altoona, Pa. Weather-strip. No. 1,111,548; Sept. 22; Gaz. vol. 206; p. 1071.
- Renner, Henry L., Paola, Kans. Boiler-tube-cutting tool. No. 1,095,229; May 5; Gaz. vol. 202; p. 20.
- Renner, Homer G., Portland, Oreg. Trap. No. 1,104,315; July 21; Gaz. vol. 204; p. 812.
- Renner, Roland B., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Elevator. No. 1,086,398; Feb. 10; Gaz. vol. 199; p. 330.
- Renner, Roland B., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Tray-elevator. No. 1,086,399; Feb. 10; Gaz. vol. 199; p. 331.
- Rennerfelt, Gustaf, New York, assignor of one-half to A. Sundh, Yonkers, N. Y. Speed-governor for prime movers. No. 1,105,696; Aug. 4; Gaz. vol. 205; p. 38.
- Rennerfelt, Gustaf, and A. P. Lundin, New York, N. Y., assignors, by mesne assignments, to Astor Trust Company, trustee. Cranes or davits. No. 1,086,309; Feb. 3; Gaz. vol. 199; p. 254.
- Rennerfelt, Ivar, Stockholm, Sweden. Generating heat by means of electric arcs. No. 1,103,379; July 14; Gaz. vol. 204; p. 448.
- Rennerfelt, Ture G., Stockholm, Sweden. Ball-bearing. No. 1,099,571; June 9; Gaz. vol. 203; p. 456.
- Rennert, Otto, Munich, Germany. Circuit for automatic fire-indicators. No. 1,090,412; Mar. 17; Gaz. vol. 200; p. 688.
- Rennie, John A., Lyndhurst, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,090,878; Mar. 24; Gaz. vol. 200; p. 877.
- Rennie, John A., Lyndhurst, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,098,840; June 2; Gaz. vol. 203; p. 163.
- Reno, Jesse W., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Conveyer. No. 1,092,394; Apr. 7; Gaz. vol. 201; p. 93.
- Reno, Jesse W., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Conveyer. No. 1,112,836; Oct. 6; Gaz. vol. 207; p. 149.
- Reno Manufacturing Company. (See Carlitz, Joseph S., assignor.)
- Reno Manufacturing Company. (See Womelsdorf, George H., assignor.)
- Renshaw, William. (See Sullivan and Renshaw.)
- Rentner, Albert, Hammond, Ind. Chute. No. 1,109,786; Sept. 8; Gaz. vol. 206; p. 368.
- Repton, George W., Brooklyn, assignor to Hind Steel & Wire Works Inc., New York, N. Y. Claw-hammer. No. 1,103,380; July 14; Gaz. vol. 204; p. 448.
- Renz, Carl J., New York, N. Y. Fountain-pen. No. 1,101,959; June 30; Gaz. vol. 203; p. 1422.
- Renz, Charles W., Diller, Nebr. Vehicle-wheel. No. 1,093,077; Apr. 14; Gaz. vol. 201; p. 362.
- Renzo, Francesco, Paterson, N. J. Shuttle. No. 1,089,670; Mar. 10; Gaz. vol. 200; p. 390.
- Réol, Jean, assignor to Société de Constructions Mécaniques d'Alais, Alais, France. Continuous drying-kiln with vertical axis. No. 1,093,206; Apr. 14; Gaz. vol. 201; p. 407.
- Repelow, Max A., New York, N. Y. Card-index. No. 1,105,306; July 28; Gaz. vol. 204; p. 1207.
- Reppa, Michael, Hoboken, N. J. Buffer for vessels. No. 1,088,449; Feb. 24; Gaz. vol. 199; p. 1148.
- Republic Mausoleum Company, The. (See Schnee and Riley, assignors.)
- Republic Mfg. Company, The. (See Peabody, James C., assignor.)
- Republic Rubber Company, The. (See Church, Richard N., assignor.)
- Requa Motor Company. (See Coles and Charavay, assignors.)
- Resch, Carl, Vienna, Austria-Hungary. Boot-tree. No. 1,095,420; May 5; Gaz. vol. 202; p. 84.
- Resch, Louis. (See Danglo and Resch.)
- Resch, Wilhelm, Binningen, Switzerland. Apparatus for dyeing, bleaching, or treating with fluids and centrifuging textile and other materials. No. 1,095,028; Apr. 28; Gaz. vol. 201; p. 1127.
- Reschke, Edward T., Chicago, Ill. Nipple. No. 1,122,306; Dec. 29; Gaz. vol. 209; p. 1344.
- Resek, Simon, Cleveland, Ohio. Water-cock. No. 1,087,257; Feb. 17; Gaz. vol. 199; p. 680.
- Resh, John W., St. Henry, Ohio. Plant-protector. No. 1,113,485; Oct. 13; Gaz. vol. 207; p. 420.
- Resilia Corporation, The. (See Wright, Alice A., assignor.)
- Resnes, Javier, Madrid, Spain. Centrifugal separation. No. 1,097,561; May 19; Gaz. vol. 202; p. 897.
- Resnikoff, Walter I., New York, N. Y. Exit-door control. No. 1,112,323; Sept. 29; Gaz. vol. 206; p. 1376.
- Restucci, Giuseppe, Naples, Italy. Scraper for water-tube boilers, water-pipes, &c. No. 1,097,673; May 26; Gaz. vol. 202; p. 981.
- Restucci, Giuseppe, assignor of one-half to T. P. Pugliatti, Naples, Italy. Tire. No. 1,088,930; Mar. 3; Gaz. vol. 200; p. 88.
- Rethorn, Edward C., Buffalo, N. Y., assignor to Herman Wile & Co. Trousers. No. 1,107,236; Aug. 11; Gaz. vol. 205; p. 620.
- Rettstatt, Lucien D., Smithton, Pa. Nut-lock. No. 1,085,821; Feb. 3; Gaz. vol. 199; p. 87.
- Retzlaff, Julius, Luxemburg, Wis. Threshing-machine. No. 1,100,150; June 16; Gaz. vol. 203; p. 692.
- Reuleaux, Josef, assignor to A. Laughlin, Pittsburgh, Pa. Regenerative furnace. No. 1,098,171; May 26; Gaz. vol. 202; p. 1156.
- Reuter, Baptist. (See Ehrlich, Reuter, and Karrer.)
- Reuter, Baptist. (See Korndörfer and Reuter.) (Re-issue.)
- Reuter, Charles F., Oakland, Cal. Folding, portable electric-light-bath cabinet. No. 1,086,559; Feb. 10; Gaz. vol. 199; p. 387.
- Reuter, Charles H., Hoxie, Kans. Apparatus for raising or lowering pump-pipes. No. 1,110,961; Sept. 15; Gaz. vol. 206; p. 826.
- Reuter, Irving J. (See Hawker and Reuter.)
- Reuter, Ludwig H., Berkeley, Cal. Coating composition. No. 1,107,356; Aug. 18; Gaz. vol. 205; p. 710.
- Reuter, Ludwig H., Berkeley, Cal. Surgical bandage or splint. No. 1,107,357; Aug. 18; Gaz. vol. 205; p. 711.
- Reuter, Ludwig H., Berkeley, Cal. Dry magnesium-chlorid composition and making same. No. 1,117,443; Nov. 17; Gaz. vol. 208; p. 768.
- Reuter, Theodor, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Internal-combustion engine. No. 1,112,837; Oct. 6; Gaz. vol. 207; p. 149.
- Reutter, Frederick, Waterbury, Conn., assignor, by mesne assignments, to H. Goodfriend, Chicago, Ill. Shade-holder. No. 1,114,522; Oct. 20; Gaz. vol. 207; p. 824.
- Revell, Alexander H., Chicago, Ill. Game apparatus. No. 1,114,523; Oct. 20; Gaz. vol. 207; p. 824.
- Revell, Douglas R., et al. (See Friend, John E., assignor.)
- Reveny, Charles G., Oakland, Cal. Step-ladder. No. 1,114,038; Oct. 20; Gaz. vol. 207; p. 648.
- Revere Rubber Company. (See Cobb, Henry Z., assignor.)
- Revere Rubber Company. (See Kent, William J., assignor.)
- Reviron, Benoit, Paris, France. System of bolting for car-doors. No. 1,085,822; Feb. 3; Gaz. vol. 199; p. 87.
- Revolving-Door and Fixture Company. (See Ely, Walter S., assignor.)
- Rex Battery Company. (See Poole, William E., assignor.)
- Rex, Harry E., Des Moines, Iowa. Egg-handling device. No. 1,106,059; Aug. 4; Gaz. vol. 205; p. 166.
- Rexim Fastener Company. (See Mixer, Charles E., assignor.)
- Rexroth, Hermann, Odenkirchen, Germany. Apparatus for making use of the energy of the tides. No. 1,085,823; Feb. 3; Gaz. vol. 199; p. 87.
- Rey, Jean A., Paris, France. Electrical control apparatus. No. 1,086,729; Feb. 10; Gaz. vol. 199; p. 446.
- Rey, Ramon, Tampa, Fla. Cigar-container. No. 1,108,005; Aug. 18; Gaz. vol. 205; p. 939.
- Rey, Ramon, Tampa, Fla. Paper cigar-case. No. 1,108,006; Aug. 18; Gaz. vol. 205; p. 939.
- Reyher, Rudolf, Offenbach-on-the-Main, assignor to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Yellow monoazo dyes and making same. No. 1,084,363; Jan. 13; Gaz. vol. 198; p. 396.
- Reynard, James K. (See Emerson, Manwaring, and Reynard.)
- Reynders, Arthur B., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,120,850; Dec. 15; Gaz. vol. 209; p. 762.
- Reynders, John V. W., Steelton, and A. F. Nelson, Harrisburg, Pa. Tie-plate. No. 1,110,962; Sept. 15; Gaz. vol. 206; p. 827.
- Reynolds, Charles H., Rochester, N. Y. Cock or valve. No. 1,086,221; Feb. 3; Gaz. vol. 199; p. 226.
- Reynolds, Charles M., Sparks, Nev. Manufacture of briquets and other articles. No. 1,103,078; July 14; Gaz. vol. 204; p. 344.
- Reynolds, Clifford W., Freeport, Ill., assignor of one-fourth to F. E. Wilcox and one-fourth to L. E. Hickok, Mechanicsburg, Pa. Running-gear. No. 1,102,356; July 7; Gaz. vol. 204; p. 47.
- Reynolds, Curtis H., Maxwell, Cal. Wheel. No. 1,118,807; Nov. 24; Gaz. vol. 208; p. 1283.
- Reynolds, Earl H., Chicago, Ill. Grain-purifying. No. 1,087,684; Feb. 17; Gaz. vol. 199; p. 831.
- Reynolds, Earl H., Chicago, Ill. Grain-drying apparatus. No. 1,100,397; June 16; Gaz. vol. 203; p. 778.
- Reynolds, Edward, Sturgeon Bay, Wis., assignor to Sprague Canning Machinery Company, Chicago, Ill. Pea-cleaner. No. 1,091,534; Mar. 31; Gaz. vol. 200; p. 1144.
- Reynolds, Elmer G., E. C. Johnson, and F. D. Warren, Colorado Springs, Colo. Pedal for motor-cycles. No. 1,087,258; Feb. 17; Gaz. vol. 199; p. 681.

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- Reynolds, Ferd R., Bakersfield, Cal. Oil-refiner. No. 1,119,453; Dec. 1; Gaz. vol. 209; p. 190.
- Reynolds, Frederick. (See Sand and Reynolds.)
- Reynolds, George L., Boston, assignor to The Phonoharp Company, East Boston, Mass. Playing attachment for stringed musical instruments. No. 1,115,865; Nov. 3; Gaz. vol. 208; p. 136.
- Reynolds, George L., and F. M. Nickerson, East Boston, Mass. Autoharp. No. 1,097,048; May 19; Gaz. vol. 202; p. 719.
- Reynolds, George W., *et al.* (See Looker, Henry N., assignor.)
- Reynolds, Harry M., Grand Rapids, Mich. Roofing shingle. No. 1,108,236; Aug. 25; Gaz. vol. 205; p. 1068.
- Reynolds, Harry M., Grand Rapids, Mich. Roofing-shingle. No. 1,115,866; Nov. 3; Gaz. vol. 208; p. 136.
- Reynolds, Henry B., assignor of one-eighth to S. R. Cuhley, Petal, one-fourth to J. E. Herman, Hattiesburg, and one-half to C. E. Bell, Prentiss, Miss. Car-coupling. No. 1,095,029; Apr. 28; Gaz. vol. 201; p. 1127.
- Reynolds, Henry L., Seattle, Wash. Cream-remover for milk-bottles. No. 1,083,560; Jan. 6; Gaz. vol. 198; p. 100.
- Reynolds, Herbert T. (See Harter and Reynolds.)
- Reynolds, Howard W., Chicago, Ill. Double-flap check-valve. No. 1,087,981; Feb. 24; Gaz. vol. 199; p. 979.
- Reynolds, James W., Chester, Nebr. Rail-joint. No. 1,105,697; Aug. 4; Gaz. vol. 205; p. 39.
- Reynolds, John C., Rixford, Pa. Safety gas-regulator. No. 1,115,244; Oct. 27; Gaz. vol. 207; p. 1130.
- Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, New York, N. Y. Automatic selector-switch. No. 1,091,765; Mar. 31; Gaz. vol. 200; p. 1223.
- Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, New York, N. Y. Service-meter. No. 1,097,363; May 19; Gaz. vol. 202; p. 830.
- Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, New York, N. Y. Multiple-brush selector. No. 1,098,529; June 2; Gaz. vol. 203; p. 60.
- Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, New York, N. Y. Multiple-brush selector. No. 1,103,623; July 14; Gaz. vol. 204; p. 535.
- Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, New York, N. Y. Multiple-brush selector. No. 1,122,642; Dec. 29; Gaz. vol. 209; p. 1459.
- Reynolds, John N., New York, N. Y., and H. D. Hill, Montclair, N. J., assignors to Western Electric Company, New York, N. Y. Electromagnet. No. 1,101,095; June 23; Gaz. vol. 203; p. 1072.
- Reynolds, Miron G., Anderson, Ind. Fluid-pressure regulator. No. 1,098,172; May 26; Gaz. vol. 202; p. 1156.
- Reynolds, Morley P., Cleveland, Ohio. Seed-testing bed. No. 1,094,813; Apr. 28; Gaz. vol. 201; p. 1052.
- Reynolds, Robert A., Detroit, Mich. Internal-combustion engine. No. 1,103,223; July 14; Gaz. vol. 204; p. 397.
- Reynolds, Robert A., Port Huron, Mich. Grinding-disk. No. 1,109,361; Sept. 1; Gaz. vol. 206; p. 180.
- Reynolds, Ross L., and A. D. McGraw, Fall River, Mass. Saddle for the top rolls of spinning-frames. No. 1,104,932; July 28; Gaz. vol. 204; p. 1077.
- Reynolds, Walter J., Providence, R. I. Locking-chain for automobiles. No. 1,105,925; Aug. 4; Gaz. vol. 205; p. 119.
- Reynolds, William, New York, N. Y. Vibration-eliminator. No. 1,088,035; Feb. 24; Gaz. vol. 199; p. 997.
- Reynolds, William, New York, N. Y. Shock-absorber. No. 1,088,093; Feb. 24; Gaz. vol. 199; p. 1018.
- Reynolds, William A. (See Blandin, Davis, and Reynolds.)
- Rezendez, Serafim P., New Bedford, Mass. Incinerator. No. 1,113,049; Oct. 6; Gaz. vol. 207; p. 220.
- Reznicek, Anton, Jersey City, N. J. Shirt. No. 1,110,822; Sept. 15; Gaz. vol. 206; p. 777.
- Reznor, George F., Mercer, Pa. Wall-heater. No. 1,109,466; Sept. 1; Gaz. vol. 206; p. 215.
- Rheem, George S., Helena, Mont. Bundling device. No. 1,097,364; May 19; Gaz. vol. 202; p. 831.
- Rhefus, Willy, and O. Widmaier, Paunsdorf, near Leipzig, Germany. Labeling-machine for labeling bottles, parcels, and the like. No. 1,098,841; June 2; Gaz. vol. 203; p. 164.
- Rheims, Edmond, and L. Auscher, Paris, France. Apparatus for operating the window-sashes of carriage-doors. No. 1,085,877; Feb. 3; Gaz. vol. 199; p. 106.
- Rheinbach, Ernst, Stolpen, Germany. Automatically-closing valve for water-gages. No. 1,089,439; Mar. 10; Gaz. vol. 200; p. 309.
- Rheinisch Metallwaaren- und Maschinenfabrik. (See Völler, Karl, assignor.)
- Rheinische Metallwaaren und Maschinenfabrik. (See Asak, Karl, assignor.)
- Rheinische Metallwaaren- und Maschinenfabrik. (See Chronis, Aris D., assignor.)
- Rheinische Metallwaaren und Maschinenfabrik. (See Mayer, Heinrich, assignor.)
- Rheinische Metallwaaren- und Maschinenfabrik. (See Völler, Karl, assignor.)
- Rheinische Metallwaaren- und Maschinenfabrik. (See Völler and Müller, assignors.)
- Rheinische Metallwaaren- und Maschinenfabrik. (See Völler and Steinhart, assignors.)
- Rheinstrom, Isaac, New York, N. Y. Convertible chair. No. 1,086,856; Feb. 10; Gaz. vol. 199; p. 493.
- Rhenstrom, Anthony, assignor to The Vincent-Alward Company, Kenosha, Wis. Bed-bottom fabric. No. 1,089,155; Mar. 3; Gaz. vol. 200; p. 168.
- Rhinehart, Thomas L., Leadville, Colo. Insect-trap. No. 1,111,237; Sept. 22; Gaz. vol. 206; p. 965.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Twister. No. 1,087,071; Feb. 10; Gaz. vol. 199; p. 561.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Pulley-bearing. No. 1,089,381; Mar. 3; Gaz. vol. 200; p. 239.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Loom. No. 1,089,792; Mar. 10; Gaz. vol. 200; p. 430.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Bobbin-stripping apparatus. No. 1,097,942; May 26; Gaz. vol. 202; p. 1077.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Bobbin-stripping device. No. 1,097,943; May 26; Gaz. vol. 202; p. 1078.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Filling-slackener for looms. No. 1,098,685; June 2; Gaz. vol. 203; p. 112.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Filling-end-slack-controlling mechanism for looms. No. 1,115,572; Nov. 3; Gaz. vol. 208; p. 36.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Warp stop-motion for looms. No. 1,119,539; Dec. 1; Gaz. vol. 209; p. 221.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Picker-check for looms. No. 1,119,764; Dec. 1; Gaz. vol. 209; p. 295.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Ring spinning or twisting machine. No. 1,121,942; Dec. 22; Gaz. vol. 209; p. 1181.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Automatic replenishing-loom. No. 1,123,141; Dec. 29; Gaz. vol. 209; p. 1635.
- Rhoades, Charles A., Pampa, Tex. Rotary engine. No. 1,096,862; May 19; Gaz. vol. 202; p. 653.
- Rhoades, Lewis T., Mont Clare, Pa. Current-controlling mechanism. No. 1,087,461; Feb. 17; Gaz. vol. 199; p. 752.
- Rhoades, Lewis T., Mont Clare, Pa., assignor to New York Coil Company, New York, N. Y. Auxiliary air-inlet device for internal-combustion engines. No. 1,092,395; Apr. 7; Gaz. vol. 201; p. 93.
- Rhoads, Charles S., Jr., Sandwich, Ill., assignor, by mesne assignments, to Hall Switch & Signal Company. Signal-receiving device. No. 1,105,837; Aug. 4; Gaz. vol. 205; p. 88.
- Rhoads, William J., *et al.* (See Lytle, Harry R., assignor.)
- Rhodes, Byron F., Atlantic City, N. J., assignor of fifty-one one-hundredths to F. Keller, Philadelphia, Pa. Sole and heel. No. 1,120,082; Dec. 8; Gaz. vol. 209; p. 442.
- Rhodes, Charles L., assignor to Bugbee & Niles Co., Providence, R. I. Bracelet-clasp. No. 1,115,336; Oct. 27; Gaz. vol. 207; p. 1159.
- Rhodes, Ephraim A., Howe, Nebr. Pan-cover. No. 1,122,307; Dec. 29; Gaz. vol. 209; p. 1344.
- Rhodes, Frederick L., Short Hills, N. J., assignor to American Telephone and Telegraph Company. Coil-cases for insertion in cables. No. 1,103,079; July 14; Gaz. vol. 204; p. 345.
- Rhodes, Gilbert A. (See Womeldorf, Daniel T., assignor.)
- Rhodes, Guy W., Auburn, Nebr. Two-cycle gas-engine. No. 1,111,495; Sept. 22; Gaz. vol. 206; p. 1053.
- Rhodes, Hampton P., Shreveport, La. Driving mechanism for motor-vehicles. No. 1,108,474; Aug. 25; Gaz. vol. 205; p. 1150.
- Rhodes, Harry A., assignor to The Universal Motor Company, Denver, Colo. Heat-dissipating means for electrical apparatus. (Reissue.) No. 13,704; Mar. 24; Gaz. vol. 200; p. 1078.
- Rhodes, Jay B., Kalamazoo, Mich., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump-car. No. 1,103,314; July 14; Gaz. vol. 204; p. 427.
- Rhodes, Jay B., Kalamazoo, Mich., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump-cart support. No. 1,108,237; Aug. 25; Gaz. vol. 205; p. 1068.
- Rhodes, John. (See Higgins and Rhodes.)
- Rhodes, Leverett E., assignor to The Rhodes Manufacturing Company, Hartford, Conn. Metal-shaping machine. No. 1,100,990; June 23; Gaz. vol. 203; p. 1035.
- Rhodes Manufacturing Company, The. (See Rhodes, Leverett E., assignor.)
- Rhodes, Oliver M., Canton, Ohio. Toy. No. 1,110,823; Sept. 15; Gaz. vol. 206; p. 777.
- Rhodes, Russell I., Attleboro, Mass., assignor to The Mason Box Co. Folding or collapsible box. No. 1,096,460; May 12; Gaz. vol. 202; p. 474.
- Rhodes, Samuel G., assignor to T. E. Murray, New York, N. Y. Apparatus for producing photographic time-records of meter-readings. No. 1,090,413; Mar. 17; Gaz. vol. 200; p. 689.

Alphabetical list of patentees—Continued.

- Rhodes, Samuel G., assignor to T. E. Murray, New York, N. Y. Electric time mechanism. No. 1,120,241; Dec. 8; Gaz. vol. 209; p. 500.
- Rhodes, Seth A., Chicago, Ill. Explosive-engine. No. 1,086,857; Feb. 10; Gaz. vol. 199; p. 493.
- Rhodes, William E., Alhambra, and E. W. Potter, Los Angeles, Cal. Water-grate. No. 1,105,926; Aug. 4; Gaz. vol. 205; p. 119.
- Rhodes, Willis M., Moscow, Idaho. Screen-shoe-leveling mechanism for harvesters. No. 1,122,803; Dec. 29; Gaz. vol. 209; p. 1516.
- Rhoten, Chilton A. (See Tibbe and Rhoten.)
- Rial, Fred E., and F. E. Moore, Los Angeles, Cal. Level. No. 1,112,935; Oct. 6; Gaz. vol. 207; p. 183.
- Rial, James P. (See Lohnes and Rial.)
- Ribbe, François, Mauriac, France. Manufacture of industrial objects from volcanic and other fusible rock. No. 1,108,007; Aug. 18; Gaz. vol. 205; p. 939.
- Ribbeck, Emile F., New Iberia, La. Crate. No. 1,084,901; Jan. 20; Gaz. vol. 198; p. 605.
- Riblet, Oliver S., Erie, Pa. Concrete-mixer. No. 1,111,180; Sept. 22; Gaz. vol. 206; p. 946.
- Ricardo, Harry R., London, and H. A. Hetherington, Byfleet, England. Valve of internal-combustion engines. No. 1,095,355; May 5; Gaz. vol. 202; p. 62.
- Ricciardelli, Fiore, Jersey City, N. J. Percolator. No. 1,121,399; Dec. 15; Gaz. vol. 209; p. 953.
- Rice and Adams. (See Fisher, Homer O., assignor.)
- Rice, Albert G. (See Burgess, James C., assignor.)
- Rice, Archibald C., *et al.* (See Glassco, Robert C., assignor.)
- Rice, Barton & Fales Machine & Iron Company. (See Kilberry, George D., assignor.)
- Rice, Charles O., Denver, Colo. Vaginal syringe. No. 1,115,107; Oct. 27; Gaz. vol. 207; p. 1081.
- Rice, Clifford F., Springfield, Mass. Dumping-car. No. 1,089,964; Mar. 10; Gaz. vol. 200; p. 490.
- Rice, Cyrus W., Philadelphia, Pa. Wrench for operating drop-bottom cars. No. 1,113,248; Oct. 13; Gaz. vol. 207; p. 334.
- Rice, Edgar W., Yonkers, N. Y. Book-marker. No. 1,123,008; Dec. 29; Gaz. vol. 209; p. 1588.
- Rice, Eugene S., and G. E. Bailly, Lake Arthur, La. Blotter attachment. No. 1,091,535; Mar. 31; Gaz. vol. 200; p. 1144.
- Rice, Floyd A., Springfield, Ohio. Plastic fence-post. No. 1,118,808; Nov. 24; Gaz. vol. 208; p. 1284.
- Rice, Franklin, Dayton, Ohio. Automatic switch for traction-lines. No. 1,085,485; Jan. 27; Gaz. vol. 198; p. 841.
- Rice, Frederick W., Sayre, Pa. Spoon. No. 1,095,469; May 5; Gaz. vol. 202; p. 102.
- Rice, George H., Green Bay, Wis. Lumber-stacker. No. 1,108,520; Aug. 25; Gaz. vol. 205; p. 1166.
- Rice, Harold A., and C. G. Patterson, assignors to The National Adverograph Company Limited, Toronto, Ontario, Canada. Printing-machine. No. 1,101,565; June 30; Gaz. vol. 203; p. 1284.
- Rice, Harold A., and C. G. Patterson, assignors to The National Adverograph Company Limited, Toronto, Ontario, Canada. Paper-holder. No. 1,101,566; June 30; Gaz. vol. 203; p. 1284.
- Rice, Jesse D., Piedmont, Cal. Paper-pulp machinery. No. 1,110,233; Sept. 8; Gaz. vol. 206; p. 529.
- Rice, Joel A. (See Rice, Royal A. and J. A.)
- Rice, John E., administrator. (See Rice, William H.)
- Rice, Joseph F., assignor to Champion Machine & Forging Company, Cleveland, Ohio. Forging. No. 1,101,813; June 30; Gaz. vol. 203; p. 1369.
- Rice, Joseph S., Andalusia, Pa. Plumb-bob. No. 1,110,146; Sept. 8; Gaz. vol. 206; p. 501.
- Rice, Martin E. (See McCollum, Burton, assignor.)
- Rice, Merrit H., New Rochelle, assignor to National Electric Utilities Corporation, New York, N. Y. Incinerator. No. 1,093,592; Apr. 14; Gaz. vol. 201; p. 533.
- Rice, Merrit H., New Rochelle, assignor to National Electric Utilities Corporation, New York, N. Y. Unit and making the same. No. 1,093,947; Apr. 21; Gaz. vol. 201; p. 695.
- Rice, Norman E., Eureka, assignor of one-half to C. Swithenbank, Gaberville, Cal. Stove-lid. No. 1,117,091; Nov. 10; Gaz. vol. 208; p. 605.
- Rice, Percy F., Tustin, assignor of one-half to W. H. Faust, Los Angeles, Cal. Gear-shifting mechanism. No. 1,087,552; Feb. 17; Gaz. vol. 199; p. 783.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Centrifugal air-compressor. No. 1,087,401; Feb. 17; Gaz. vol. 199; p. 729.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Valve-casing for elastic-fluid turbines. No. 1,089,672; Mar. 10; Gaz. vol. 200; p. 391.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 1,093,148; Apr. 14; Gaz. vol. 201; p. 387.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Centrifugal air-compressor. No. 1,097,729; May 26; Gaz. vol. 202; p. 1001.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Automatic regulator for motor-driven pumping apparatus. No. 1,100,257; June 16; Gaz. vol. 203; p. 728.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Turbine. No. 1,105,375; July 28; Gaz. vol. 204; p. 1235.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Impeller for centrifugal compressors and pumps. No. 1,112,324; Sept. 29; Gaz. vol. 206; p. 1376.
- Rice, Richard H., West Lynn, Mass., assignor to General Electric Company. Means for changing the output of centrifugal compressors. No. 1,118,443; Nov. 24; Gaz. vol. 208; p. 1159.
- Rice, Richard H., and W. Johnson, Lynn, Mass., assignors to General Electric Company. Thrust-bearing. No. 1,089,671; Mar. 10; Gaz. vol. 200; p. 390.
- Rice, Royal A. and J. A., New York, N. Y. Automatic control for the speed of trains. No. 1,122,643; Dec. 29; Gaz. vol. 209; p. 1459.
- Rice, Sanford R., Emporia, Kans. Paper-damping means. No. 1,098,530; June 2; Gaz. vol. 203; p. 61.
- Rice, Walter F., Quincy, Mass. Bush-hammer. No. 1,115,024; Oct. 27; Gaz. vol. 207; p. 1052.
- Rice, Walter L., Denver, Colo. Canopy for open-window sleeping-beds. No. 1,088,726; Mar. 3; Gaz. vol. 200; p. 19.
- Rice, William H., deceased, Rochester, N. Y.; J. E. Rice, administrator. Beater mechanism. No. 1,109,302; Sept. 1; Gaz. vol. 206; p. 157.
- Rich, Albert M., and J. P. Johnson, Berkeley, Cal. Automatic scale. No. 1,087,685; Feb. 17; Gaz. vol. 199; p. 831.
- Rich, George H., Chicago, Ill. Grain-grader. No. 1,120,083; Dec. 8; Gaz. vol. 209; p. 442.
- Rich, George R., Oak Park, assignor to Rich Tool Company, Chicago, Ill. Producing puppet-valves for internal-combustion engines. No. 1,100,779; June 23; Gaz. vol. 203; p. 960.
- Rich, George R., Oak Park, assignor to Rich Tool Company, Chicago, Ill. Valve-actuating device for internal-combustion engines. No. 1,100,912; June 23; Gaz. vol. 203; p. 1007.
- Rich, George R., Oak Park, assignor to Rich Tool Company, Chicago, Ill. Valve-actuating device for internal-combustion engines. No. 1,123,142; Dec. 29; Gaz. vol. 209; p. 1636.
- Rich, Henry H., Rochester, N. Y. Calculator. No. 1,094,594; Apr. 28; Gaz. vol. 201; p. 973.
- Rich, Herbert C., Hoxton, London, England. Spraying apparatus. No. 1,112,384; Sept. 29; Gaz. vol. 206; p. 1398.
- Rich, Homer B., Cambridge, assignor to Wright Cutter Company, Boston, Mass. Reversible twine-holder. No. 1,108,622; Aug. 25; Gaz. vol. 205; p. 1202.
- Rich, Mark C., Hot Springs, S. D. Manufacture of syrup. No. 1,104,135; July 21; Gaz. vol. 204; p. 752.
- Rich, Mark C., Hot Springs, S. D. Manufacture of alfalfa products. No. 1,104,136; July 21; Gaz. vol. 204; p. 752.
- Rich, Mark C., Hot Springs, S. D. Alfalfa product. No. 1,108,238; Aug. 25; Gaz. vol. 205; p. 1068.
- Rich, Morris L., Philadelphia, Pa. Collar-fastener. No. 1,099,936; June 16; Gaz. vol. 203; p. 617.
- Rich, Rumsey L., *et al.* (See Smith, Stephen P., assignor.)
- Rich & Son, William H. (See Metzenbacher, Frederick, assignor.)
- Rich Tool Company. (See Rich, George R., assignor.)
- Richard, Charley J., Louisburg, Wis. Horseshoe-calk. No. 1,089,965; Mar. 10; Gaz. vol. 200; p. 491.
- Richard, Joseph O., Ste. Julie Station, Quebec, Canada. Stone-gathering machine. No. 1,090,231; Mar. 17; Gaz. vol. 200; p. 624.
- Richard, Jules. (See Colardeau and Richard.)
- Richard, Marie J. J. B., Flagey, France. Feeding-trough for animals. No. 1,096,753; May 12; Gaz. vol. 202; p. 572.
- Richard, Vernon I. (See Baltzley, Edwin, assignor.)
- Richard, Zacharie B., assignor of one-eighth to O. Kilpatrick and one-eighth to W. Davis, La Fayette, La. Pliers. No. 1,090,941; Mar. 24; Gaz. vol. 200; p. 899.
- Richards, Archer W. (See Newhall and Richards.)
- Richards, Brayton G., Chicago, Ill., assignor to H. S. Wikel, York, Pa. Vehicle-jack. No. 1,098,639; June 2; Gaz. vol. 203; p. 97.
- Richards, Brayton G., Chicago, Ill., assignor to C. A. Cheshire, Des Moines, Iowa. Stacking-machine. No. 1,117,244; Nov. 17; Gaz. vol. 208; p. 699.
- Richards, Emanuel L., Philadelphia, Pa. Tablet-machine. No. 1,105,838; Aug. 4; Gaz. vol. 205; p. 88.
- Richards, Francis A., Muscatine, Iowa. Automatic furnace-regulator. No. 1,123,009; Dec. 29; Gaz. vol. 209; p. 1589.
- Richards, Francis H., Hartford, Conn., assignor to J. E. Tracy, New York, N. Y. Sewing-machine. No. 1,088,626; Feb. 24; Gaz. vol. 199; p. 1195.
- Richards, Francis H., Hartford, Conn., assignor to The American Typographic Corporation, New York, N. Y. Pantographic milling mechanism. No. 1,117,245; Nov. 17; Gaz. vol. 208; p. 699.
- Richards, Frank L., and A. H. Shull, Farmington, Minn. Window. No. 1,111,323; Sept. 22; Gaz. vol. 206; p. 993.
- Richards, Frederick H., East Tawas, Mich. Sash-lock. No. 1,119,875; Dec. 8; Gaz. vol. 209; p. 370.
- Richards, Fredrick R., Atchison, Kans. Carpet-raveler. No. 1,087,982; Feb. 24; Gaz. vol. 199; p. 979.

Alphabetical list of patentees—Continued.

- Richards, George H., assignor to Aurora Door Hanger and Specialty Company, Aurora, Ill. Frame for grindstones. No. 1,114,806; Oct. 27; Gaz. vol. 207; p. 973.
- Richards, George L., London, England, assignor to International Stamp and Ticket Machine Company, Kittery, Me. Machine for delivering postage-stamps, tickets, and the like. No. 1,114,912; Oct. 27; Gaz. vol. 207; p. 1012.
- Richards, George M., assignor to M. A. Richards, Erie, Pa. Controlling device for pumps and the like. No. 1,096,265; May 12; Gaz. vol. 202; p. 409.
- Richards, Ithiel C., Los Angeles, Cal. Shock-absorber. No. 1,088,450; Feb. 24; Gaz. vol. 199; p. 1138.
- Richards, James F., Alliance, Nebr. Automatic slack-adjusting device. No. 1,087,182; Feb. 17; Gaz. vol. 199; p. 652.
- Richards, John, San Francisco, Cal., assignor to Turbine Pump Company, Jersey City, N. J. Turbine-pump. No. 1,112,560; Oct. 6; Gaz. vol. 207; p. 53.
- Richards, John M., assignor to Standard Connecting Rod Company, Beaver Falls, Pa. Boring and reaming tool. No. 1,114,039; Oct. 20; Gaz. vol. 207; p. 649.
- Richards, Joseph W., South Bethlehem, Pa. Electrode. No. 1,088,296; Feb. 24; Gaz. vol. 199; p. 1087.
- Richards, Marion A. (See Richards, George M., assignor.)
- Richards, Norwood A., Mobile, Ala. Winch for motor-vehicles. No. 1,098,762; June 2; Gaz. vol. 203; p. 138.
- Richards, Richard H. (See Mills and Richards.)
- Richards, Theodore D., Philadelphia, Pa. Broom-support. No. 1,086,858; Feb. 10; Gaz. vol. 199; p. 494.
- Richards, Walter F., Quincy, Ill. Dental lathe-file. No. 1,105,456; July 28; Gaz. vol. 204; p. 1262.
- Richards, Walter W., Philadelphia, Pa. Razor-blade-sharpening device. No. 1,093,802; Apr. 21; Gaz. vol. 201; p. 646.
- Richards-Wilcox Manufacturing Company. (See Hoffman, Peter L., assignor.)
- Richards-Wilcox Manufacturing Company. (See Hunt, George G., assignor.)
- Richards, Willard F., Depew, assignor to Gould Coupler Company, New York, N. Y. Railway-car truck. No. 1,084,297; Jan. 13; Gaz. vol. 198; p. 375.
- Richards, Willard F., Lancaster, assignor to Gould Coupler Company, New York, N. Y. Car-coupling. No. 1,105,839; Aug. 4; Gaz. vol. 205; p. 89.
- Richards, Wilton L., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Electric relay. No. 1,103,688; July 14; Gaz. vol. 204; p. 560.
- Richardson, Alonzo A., Chico, Cal. Anchoring device for tape-measures. No. 1,102,436; July 7; Gaz. vol. 204; p. 76.
- Richardson, Benjamin F., assignor to Unionite Company, Philadelphia, Pa. Road-bed and making same. No. 1,105,580; July 28; Gaz. vol. 204; p. 1304.
- Richardson, Benjamin P., Brookline, Mass. Envelop for containing and dispensing powder. No. 1,123,010; Dec. 29; Gaz. vol. 209; p. 1589.
- Richardson, Calvin N., Waverly, Ill. Staple driver and puller. No. 1,106,241; Aug. 4; Gaz. vol. 205; p. 227.
- Richardson, Charles F., Woonsocket, R. I., assignor to Boston Automatic Machine Company, Boston, Mass. Operating attachment for printing-machines. No. 1,084,756; Jan. 20; Gaz. vol. 198; p. 557.
- Richardson, Charles G., Springfield, Vt. Machine for applying transfer-stamps. No. 1,086,400; Feb. 10; Gaz. vol. 199; p. 331.
- Richardson, Charles G., Springfield, Vt. Machine for applying transfer-stamps to fabrics. No. 1,086,401; Feb. 10; Gaz. vol. 199; p. 331.
- Richardson, Charles G., Springfield, Vt. Device for applying transfer-stamps. No. 1,086,402; Feb. 10; Gaz. vol. 199; p. 332.
- Richardson, Charles I. J., and L. Feldman, St. Louis, Mo. Automatic clutch control. No. 1,102,226; June 30; Gaz. vol. 203; p. 1518.
- Richardson, Clarence S., Los Angeles, Cal. Sluice and ore concentrator. No. 1,110,824; Sept. 15; Gaz. vol. 206; p. 777.
- Richardson, Clifford, New York, N. Y., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Manufacturing and laying bituminous sheet-pavements and materials therefor. No. 1,090,792; Mar. 17; Gaz. vol. 200; p. 815.
- Richardson, Davenport B., Mexico, Mexico. Demountable vehicle-rim. No. 1,115,867; Nov. 3; Gaz. vol. 208; p. 136.
- Richardson, Earl H., assignor to Hotpoint Electric Heating Company, Ontario, Cal. Moving display device. No. 1,103,624; July 14; Gaz. vol. 204; p. 535.
- Richardson, Edgar J., Sioux City, Iowa. Automobile-radiator. No. 1,103,840; July 14; Gaz. vol. 204; p. 609.
- Richardson, Edro, Baltimore, Md. Flushing-valve. No. 1,092,598; Apr. 7; Gaz. vol. 201; p. 164.
- Richardson, Francis E., Savannah, Ga. Cabinet for laces and the like. No. 1,121,132; Dec. 15; Gaz. vol. 209; p. 863.
- Richardson, Frank E., Rowley, and C. H. Littlefield, Haverhill, Mass. Heel-blank. No. 1,113,486; Oct. 13; Gaz. vol. 207; p. 420.
- Richardson, Fred A., and J. J. Schuster, Denver, Colo. Hydrocarbon-oil burner. No. 1,120,537; Dec. 8; Gaz. vol. 209; p. 604.
- Richardson, George M. (See Nichols and Richardson.)
- Richardson, George T., London, England. Apparatus for indicating the direction of the wind. No. 1,117,907; Nov. 17; Gaz. vol. 208; p. 930.
- Richardson, Hamilton, Canton, Mont. Metallic railway-tie and fastening. No. 1,101,661; June 30; Gaz. vol. 203; p. 1317.
- Richardson, Hamilton P., Chicago, Ill. Sleeping-car having upper and lower berths. No. 1,098,332; May 26; Gaz. vol. 202; p. 1213.
- Richardson, Henry, Chicago, Ill. Wire fabric. No. 1,095,521; May 5; Gaz. vol. 202; p. 120.
- Richardson, Henry, Chicago, Ill. Wire fabric. No. 1,098,686; June 2; Gaz. vol. 203; p. 113.
- Richardson, Henry B., Attleboro, Mass. Machine for drying and polishing articles of jewelry, &c. No. 1,093,078; Apr. 14; Gaz. vol. 201; p. 362.
- Richardson, Herbert. (See Fleischauer and Richardson.)
- Richardson, Holden C., Philadelphia, Pa. Hydrovane-boat. No. 1,095,166; Apr. 28; Gaz. vol. 201; p. 1175.
- Richardson, Horace G., Johnson, Mont. Attachment for harness. No. 1,088,240; Feb. 24; Gaz. vol. 199; p. 1067.
- Richardson, James I., Unionville, Ind. Wall-papering machine. No. 1,084,964; Jan. 20; Gaz. vol. 198; p. 627.
- Richardson, James M., Highland Park, Mich. Electric headlight. No. 1,088,094; Feb. 24; Gaz. vol. 199; p. 1018.
- Richardson, John E., Wilcoe, W. Va. Sash-balance. No. 1,091,082; Mar. 24; Gaz. vol. 200; p. 949.
- Richardson, John H., Shubert, Nebr. Engine. No. 1,090,650; Mar. 17; Gaz. vol. 200; p. 770.
- Richardson, John H., Melrose, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Resurfacing-tool. No. 1,083,297; Jan. 6; Gaz. vol. 198; p. 13.
- Richardson, John M. (See Fairfax, James E., assignor.)
- Richardson, John W., Glenwood, N. C. Plow. No. 1,083,759; Jan. 6; Gaz. vol. 198; p. 166.
- Richardson, Joseph L., Higginson, Ark. Oil-burner. No. 1,097,190; May 19; Gaz. vol. 202; p. 769.
- Richardson, Leslie L., Balfour, Iowa. Vent-valve. No. 1,089,156; Mar. 3; Gaz. vol. 200; p. 169.
- Richardson Manufacturing Company. (See Brown, Theophilus, assignor.)
- Richardson Manufacturing Company. (See Curtis, John D., assignor.)
- Richardson, Mark F., Leonia, N. J. Door-lock. No. 1,120,538; Dec. 8; Gaz. vol. 209; p. 605.
- Richardson-Phenix Company, The. (See Richardson, Wilber E., assignor.)
- Richardson, Ralph R., Chicago, Ill. Folding paper box. No. 1,114,040; Oct. 20; Gaz. vol. 207; p. 649.
- Richardson, Ralph R., Chicago, Ill. Display-carton. No. 1,114,041; Oct. 20; Gaz. vol. 207; p. 649.
- Richardson, Ralph R., Chicago, Ill. Pasteboard shipping and dispensing box. No. 1,114,042; Oct. 20; Gaz. vol. 207; p. 650.
- Richardson, Ralph R., assignor to Chicago Carton Company, Chicago, Ill. Display structure and carton therefor. No. 1,104,933; July 28; Gaz. vol. 204; p. 1077.
- Richardson Scale Company. (See Clifford and Murray, assignors.)
- Richardson, Sidney W., and W. Staveley, Hokitika, New Zealand. Safety apparatus for mining-cages. No. 1,103,841; July 14; Gaz. vol. 204; p. 609.
- Richardson, Thomas L. (See Marshall and Richardson.)
- Richardson, Wellington A. B., Forks of the Salmon, Cal. Fish-grapple. No. 1,110,234; Sept. 8; Gaz. vol. 206; p. 530.
- Richardson, Wilber E., Wilkesburg, Pa., assignor to The Richardson-Phenix Company. Lubricating apparatus. No. 1,087,317; Feb. 17; Gaz. vol. 199; p. 700.
- Richardson, William F., Portsmouth, Va. Pool-cue tip. No. 1,095,927; May 5; Gaz. vol. 202; p. 255.
- Richardt, Philip, Prague-Karolinenthal, assignor to Zivnostenska Banka, Prague, Austria-Hungary. Automatic telephone calling device. No. 1,121,400; Dec. 15; Gaz. vol. 209; p. 953.
- Richelle, Louis S. de, Ghent, Belgium, assignor to Stas Rotationsmotor-Gesellschaft m. b. H., Berlin, Germany. Rotary internal-combustion engine. No. 1,087,259; Feb. 17; Gaz. vol. 199; p. 631.
- Richert, Johan G., Stockholm, Sweden. Refrigerating apparatus. No. 1,118,583; Nov. 24; Gaz. vol. 208; p. 1209.
- Richert, Paul, assignor to Pittsburg Taximeter Company, Pittsburgh, Pa. Taximeter. No. 1,084,032; Jan. 13; Gaz. vol. 198; p. 286.
- Riches, Arthur W., Los Angeles, Cal. Escapement mechanism for type-writers. No. 1,100,844; June 23; Gaz. vol. 203; p. 983.
- Richey, Alexander E., Joliet, Ill. Heading-tool. No. 1,103,434; July 14; Gaz. vol. 204; p. 466.
- Richey, Lloyd S., Dayton, Ohio. Automobile steering-gear. No. 1,099,768; June 9; Gaz. vol. 203; p. 522.
- Richey, Tom K., et al. (See Barrett and Aldrich, assignors.)

Alphabetical list of patentees—Continued.

- Richey, William, assignor to A. G. Spalding & Bros. Manfg. Co., Chicopee, Mass. Tennis-racket. No. 1,122,159; Dec. 22; Gaz. vol. 209; p. 1253.
- Richfield Oil Company. (See Gillons, George H., assignor.)
- Richman, Jacob, New York, N. Y. Alarm. No. 1,098,975; June 2; Gaz. vol. 203; p. 210.
- Richman, Louis P., assignor of one-third to M. H. Miner, Fowler, and one-third to G. C. Quimby, Fresno, Cal. Fly-trap. No. 1,085,701; Feb. 3; Gaz. vol. 199; p. 43.
- Richmond Cedar Works. (See Parrish, James S., assignor.)
- Richmond Cedar Works. (See Reams, Joshua W., assignor.)
- Richmond Cedar Works. (See Turner and Reams, assignors.)
- Richmond, Charles E., *et al.* (See Reed, Arthur S., assignor.)
- Richmond, George F., Bingham, Ill. Combined rail-tie and rail-fastener. No. 1,113,830; Oct. 13; Gaz. vol. 207; p. 539.
- Richmond, Percy A., Washington, D. C. Door closer and check. No. 1,114,184; Oct. 20; Gaz. vol. 207; p. 703.
- Richmond Radiator Company. (See Cooley, Robert L., assignor.)
- Richmond Radiator Company. (See Matchette and Radatz, assignors.)
- Richmond Radiator Company. (See Schmitz, George C., assignor.)
- Richmond Radiator Company. (See Van Ness, Frank W., assignor.)
- Richmond Stay-Bolt Drilling Machine Manufacturing Co. (See Carper, Kent H., assignor.)
- Richmond, Theodore L., Buffalo, N. Y. Suspension-bearing for platform-scales. No. 1,100,258; June 16; Gaz. vol. 203; p. 729.
- Richter, Alfred, Chicago, Ill. Variable-speed direct-current generator. No. 1,115,452; Oct. 27; Gaz. vol. 207; p. 1199.
- Richter, Carl A., assignor to Firm of F. Schmolck, Pforzheim, Germany. Apparatus for producing wire-ring fabric. No. 1,100,098; June 16; Gaz. vol. 203; p. 673.
- Richter, Emil, assignor to Gesellschaft des ächten Naxos-Schmirgels Naxos-Union Schmirgel Dampfwerk Frankfurt A. M., Julius Pfungst, Frankfurt-on-the-Main, Germany. Manufacture of grinding apparatus. No. 1,100,845; June 23; Gaz. vol. 203; p. 983.
- Richter, Felix, Frankfurt-on-the-Main, Germany. Purifying hydrocarbons. No. 1,098,763; June 2; Gaz. vol. 203; p. 138.
- Richter, Felix, Frankfurt-on-the-Main, Germany. Purification of liquid hydrocarbons. No. 1,098,764; June 2; Gaz. vol. 203; p. 138.
- Richter, Georg. (See Hermann, Caspar, assignor.)
- Richter, Georg, assignor to Stettiner Chamotte-Fabrik Aktien-Gesellschaft vormals Didier, Stettin, Germany. Method and apparatus for annealing or cementing various articles. No. 1,109,362; Sept. 1; Gaz. vol. 206; p. 180.
- Richter, Gustave, New York, N. Y. Window-shade hanger. No. 1,105,698; Aug. 4; Gaz. vol. 205; p. 39.
- Richter, Hans F., assignor to R. J. Reynolds Tobacco Company, Winston-Salem, N. C. Machine for forming hinge members on blanks. No. 1,096,863; May 19; Gaz. vol. 202; p. 654.
- Richter, Hans F., assignor to R. J. Reynolds Tobacco Company, Winston-Salem, N. C. Safety feed mechanism for beading-machines. No. 1,105,840; Aug. 4; Gaz. vol. 205; p. 89.
- Richter, Herman F., assignor to Hynes Shade Guide Company, Los Angeles, Cal. Shade-controller. No. 1,104,221; July 21; Gaz. vol. 204; p. 780.
- Richter, Joseph A. (See Holliday, Charles O., assignor.)
- Richter, Paul, Berlin, Germany. Tire. No. 1,083,632; Jan. 6; Gaz. vol. 198; p. 124.
- Richter, Paul, Chemnitz, Germany. Machine for grinding slabs. No. 1,088,297; Feb. 24; Gaz. vol. 199; p. 1087.
- Richter, Paul C., assignor to The Yale and Towne Manufacturing Company, Stamford, Conn. Coupling for chains. No. 1,119,636; Dec. 1; Gaz. vol. 209; p. 254.
- Richtmyre, Arthur L. (See Lampert, Henry H., assignor.)
- Rickabaugh, Justus A. (See Ramsay and Rickabaugh.)
- Rickard, William H. (See Adams and Rickard.)
- Rickard, William H. (See Womeldorf, Charles F., assignor.)
- Ricke, George H., assignor of two-thirds to J. M. Walsh, Cincinnati, Ohio. Shoe. No. 1,091,165; Mar. 24; Gaz. vol. 200; p. 978.
- Ricke, George H., Cincinnati, Ohio, assignor to L. A. Degginger, L. W. Arnett, Covington, Ky., and T. M. Greene, Cincinnati, Ohio. Illuminated sign for automobiles. No. 1,091,893; Mar. 31; Gaz. vol. 200; p. 1269.
- Ricker, Charles P., assignor to Dixfield Toothpick Company, Dixfield, Me. Machine for sealing paper boxes. No. 1,084,298; Jan. 13; Gaz. vol. 198; p. 375.
- Ricker, Frank S., Oneida Castle, assignor to Oneida Community, Limited, Oneida, N. Y. Hand-truck. No. 1,090,501; Mar. 17; Gaz. vol. 200; p. 720.
- Ricker, Leslie D., Collbran, Colo. Cooker. No. 1,121,401; Dec. 15; Gaz. vol. 209; p. 954.
- Rickersberg, Emanuel, Cleveland, Ohio. Self-closing faucet. No. 1,120,745; Dec. 15; Gaz. vol. 209; p. 725.
- Rickett, Harry J., Chicago, Ill. Deposit and collection receptacle. No. 1,121,133; Dec. 15; Gaz. vol. 209; p. 864.
- Ricketson, Frank B. (See Sharples and Crowe, assignors.)
- Ricketts, Albert O., Colona, Colo. Jack. No. 1,100,619; June 16; Gaz. vol. 203; p. 851.
- Ricketts, Forrest E., Baltimore, Md. Electric regulator. No. 1,096,754; May 12; Gaz. vol. 202; p. 572.
- Ricketts, Forrest E., Baltimore, Md. Automatic electric regulator. No. 1,096,755; May 12; Gaz. vol. 202; p. 573.
- Ricketts, James B., New York, N. Y., assignor to The Nightingale Company, Incinerator. No. 1,106,317; Aug. 4; Gaz. vol. 205; p. 252.
- Ricketts, James R., assignor to Perfection Gas Regulator Company, Los Angeles, Cal. Gas-pressure regulator. No. 1,114,043; Oct. 20; Gaz. vol. 207; p. 650.
- Ricketts, James R., Los Angeles, assignor of one-half to I. B. Hunsaker, Long Beach, Cal. Water-feed system for internal-combustion engines. No. 1,119,042; Dec. 1; Gaz. vol. 209; p. 51.
- Ricketts, James R., and H. V. Leahy, assignors to Perfection Gas Regulator Company, Los Angeles, Cal. Gas-regulator. No. 1,105,841; Aug. 4; Gaz. vol. 205; p. 89.
- Ricks, Charles E., assignor of two-fifths to C. A. Kellar, Dillon, Colo. Garment-clasp. No. 1,090,753; Mar. 17; Gaz. vol. 200; p. 801.
- Ricks, George, Tusculumbia, Ala. Quilting-frame. No. 1,115,573; Nov. 3; Gaz. vol. 208; p. 36.
- Riddell, John, Schenectady, N. Y., assignor to General Electric Company. Balancing-machine. No. 1,091,708; Mar. 31; Gaz. vol. 200; p. 1203.
- Riddle, George W., Hampton, Ky. Shoe-hook. No. 1,102,077; June 30; Gaz. vol. 203; p. 1464.
- Riddle, Robert N. (See Zinkeisen and Riddle.)
- Ride, Samuel A., Chester, Va. Exhaust-nozzle for locomotives. No. 1,114,524; Oct. 20; Gaz. vol. 207; p. 824.
- Ridenour, Anna S., Atlantic City, N. J. Book-marker. No. 1,100,780; June 23; Gaz. vol. 203; p. 960.
- Ridenour, Horace P. (See Surbaugh, John S., assignor.)
- Rideout, Page, Tessier, Saskatchewan, Canada. Plow-lift for gang-plows. No. 1,085,298; Jan. 27; Gaz. vol. 198; p. 779.
- Rider, Andrew H., Detroit, Mich. Game apparatus. No. 1,096,266; May 12; Gaz. vol. 202; p. 409.
- Rider, Samuel S., Brookland, assignor of one-half to R. E. Miller, Washington, D. C. Cotter-pin. No. 1,114,525; Oct. 20; Gaz. vol. 207; p. 825.
- Ridge, John, Nashua, N. H. Making a file. No. 1,120,973; Dec. 15; Gaz. vol. 209; p. 804.
- Ridge, Thomas C., Carthage, Ill. Attachment for rubber shoes. No. 1,087,829; Feb. 17; Gaz. vol. 199; p. 879.
- Ridgeway, John T., assignor to The Ridgeway Silo Company, Hillsboro, Ohio. Hollow-building-block structure. No. 1,117,908; Nov. 17; Gaz. vol. 208; p. 930.
- Ridgeway Silo Company, The. (See Ridgeway, John T., assignor.)
- Ridgway, Charles L., Winthrop, assignor to Ridgway Construction Company, Boston, Mass. Puzzle. No. 1,101,567; June 30; Gaz. vol. 203; p. 1285.
- Ridgway Construction Company. (See Ridgway, Charles L., assignor.)
- Ridgway, Frederick J., *et al.* (See Ridgway, Samuel R., assignor.)
- Ridgway, George, Kalgoorlie, Western Australia, Australia. Filter for slimes, pulp, and the like. No. 1,103,080; July 14; Gaz. vol. 204; p. 345.
- Ridgway, Samuel R., Birmingham, assignor of one-third to F. J. Ridgway and one-third to C. M. Brunt, Stoke-upon-Trent, England. Spring-fork for cycles and motor-cycles. No. 1,108,932; Sept. 1; Gaz. vol. 206; p. 26.
- Ridings, George T., Gibbs, Mo. Combined camera-support and posing device. No. 1,099,820; June 9; Gaz. vol. 203; p. 540.
- Ridley, Charles, assignor to E. M. Evrard, Bath, Me. Fire-hose reel. No. 1,089,265; Mar. 3; Gaz. vol. 200; p. 202.
- Ridley, Thomas W., Middlesbrough, England. Pile. No. 1,087,830; Feb. 17; Gaz. vol. 199; p. 879.
- Ridley, Thomas W., Middlesbrough, England. Apparatus for forming concrete piles. No. 1,101,662; June 30; Gaz. vol. 203; p. 1318.
- Ridley, Thomas W., Middlesbrough, England. Pile. No. 1,120,974; Dec. 15; Gaz. vol. 209; p. 805.
- Rieber, Frank, Berkeley, Cal. Apparatus for producing electric signals. No. 1,093,292; Apr. 14; Gaz. vol. 201; p. 436.
- Rieche, Friedrich. (See Weise and Rieche.)
- Rieck, William, and E. E. Randall, Kankakee, assignors to Paramount Knitting Company, Chicago, Ill. Machine for sewing looped fabrics. No. 1,107,704; Aug. 18; Gaz. vol. 205; p. 835.
- Riedel, John M., assignor to F. Weber & Co., Philadelphia, Pa. Section-liner. No. 1,117,092; Nov. 10; Gaz. vol. 208; p. 605.

Alphabetical list of patentees—Continued.

- Riedl, Albert F., Buffalo, N. Y. Two-cycle engine. No. 1,091,963; Mar. 31; Gaz. vol. 200; p. 1292.
- Riefsnyder, Charles C., assignor of one-half to J. McCray, Des Moines, Iowa. Lid-fastener for milk-cans. No. 1,118,879; Nov. 24; Gaz. vol. 208; p. 1308.
- Riegel, Maximilian, Berlin, Germany. Purifying water from germs by means of bromin. No. 1,094,475; Apr. 28; Gaz. vol. 201; p. 933.
- Riegel, Samuel S. (See Manchester and Riegel.)
- Riegel, Samuel S., Scranton, Pa. Car-truck. No. 1,120,407; Dec. 8; Gaz. vol. 209; p. 558.
- Riegel, Samuel S., Scranton, Pa., assignor to Patterson-Allen Engineering Company. Steam-distributing head. No. 1,110,647; Sept. 15; Gaz. vol. 206; p. 716.
- Riegel, Samuel S., Scranton, Pa., assignor to Patterson-Allen Engineering Co. Tender-tank valve. No. 1,111,324; Sept. 22; Gaz. vol. 206; p. 994.
- Rieger, John L., Sandusky, Ohio. Shipping-case. No. 1,100,099; June 16; Gaz. vol. 203; p. 673.
- Riek, Rudolph A., Rhinelander, Wis. Refrigerator. No. 1,111,496; Sept. 22; Gaz. vol. 206; p. 1053.
- Riel, Frank X., and F. W. Williston, Rochester, N. Y. Sprue-cutter. No. 1,095,356; May 5; Gaz. vol. 202; p. 62.
- Rielly, George, Santa Rosa, Cal. Rail-fastening device. No. 1,097,880; May 26; Gaz. vol. 202; p. 1055.
- Rielly, Stephen J., Coalinga, Cal. Rod or pipe clamp. No. 1,088,182; Feb. 24; Gaz. vol. 199; p. 1048.
- Riemann, Auguste, New York, N. Y. Tire-protector. No. 1,111,095; Sept. 22; Gaz. vol. 206; p. 915.
- Riemenschneider, Julius, Milwaukee, Wis. Water-measuring device for plant-setting machines. No. 1,085,223; Jan. 27; Gaz. vol. 198; p. 752.
- Riemenschneider, Julius, Milwaukee, Wis. Plant-holder for plant-setting machines. No. 1,092,454; Apr. 7; Gaz. vol. 201; p. 115.
- Rienor, Charles, Philadelphia, Pa. Vehicle-brake. No. 1,087,553; Feb. 17; Gaz. vol. 199; p. 783.
- Ries, Elias E., New York, N. Y. Method of and means for manufacturing metal pipe and tubing. No. 1,093,010; Apr. 14; Gaz. vol. 201; p. 338.
- Ries, Frederick C., Macon, Ga. Annunciator. No. 1,120,084; Dec. 8; Gaz. vol. 209; p. 443.
- Ries, Harry W., Collingswood, N. J., and L. B. Brown, Philadelphia, Pa. Game apparatus. No. 1,102,954; July 7; Gaz. vol. 204; p. 253.
- Ries, Oscar M., Toledo, Ohio. Oiler for whetstones. No. 1,083,760; Jan. 6; Gaz. vol. 198; p. 166.
- Rieske, Otto G., Beaver Dam, Wis., assignor to A. J. Euchenhofner, Indianapolis, Ind. Milking apparatus. No. 1,106,846; Aug. 11; Gaz. vol. 205; p. 484.
- Rieske, Otto G., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Disk drill. No. 1,116,486; Nov. 10; Gaz. vol. 208; p. 389.
- Riesner, Michael, Cincinnati, Ohio, assignor to International Steam Pump Company. Engine-stop. No. 1,088,931; Mar. 3; Gaz. vol. 200; p. 89.
- Riesner, Michael, Cincinnati, Ohio, assignor to International Steam Pump Company. Air and gas compressor. No. 1,092,396; Apr. 7; Gaz. vol. 201; p. 94.
- Rietti, Giacomo, Zurich, Switzerland. Combustion-engine. No. 1,095,675; May 5; Gaz. vol. 202; p. 171.
- Rietz, Erich. (See Berendes and Rietz.)
- Rietzel, Adolph F., Charlestown, R. I., assignor to W. H. Rowe, Pittsburgh, Pa. Reel. No. 1,083,298; Jan. 6; Gaz. vol. 198; p. 13.
- Rietzke, John H., Chicago, Ill. Printing device. No. 1,095,522; May 5; Gaz. vol. 202; p. 120.
- Rietzsch, Alfred, administrator. (See Zahn, Robert.)
- Riffe, Robert H. (See Jones, George G., assignor.)
- Rigby, Alfred E. (See Scully and Rigby.)
- Rigby, Clark F., Butler, Pa. Combination casing-head and oil-saver. No. 1,105,340; July 28; Gaz. vol. 204; p. 1219.
- Rigby, Clark F., Butler, Pa. Manufacture of rope-clamps for well-drilling cables. No. 1,120,539; Dec. 8; Gaz. vol. 209; p. 605.
- Rigby, John H., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Punching-machine. No. 1,113,910; Oct. 13; Gaz. vol. 207; p. 565.
- Rigby, Thomas. (See Testrup and Rigby.)
- Rigby, Thomas, Dumfries, Scotland, assignor of one-half to N. Testrup, Westminster, England. Steam-turbine. No. 1,117,909; Nov. 17; Gaz. vol. 208; p. 931.
- Rigby, Thomas, Dumfries, Scotland, assignor to Wetcarbonizing Limited, London, England. Peat-dewatering process. No. 1,121,204; Dec. 15; Gaz. vol. 209; p. 887.
- Rigby, Thomas, Dumfries, Scotland, and N. Testrup, assignors, by mesne assignments, to Wetcarbonizing Limited, London, England. Cleaning tubular and other vessels. No. 1,106,161; Aug. 4; Gaz. vol. 205; p. 201.
- Rigby, Thomas, and G. W. Andrew, Dumfries, Scotland, assignors to Wetcarbonizing Limited, London, England. Peat-dewatering process. No. 1,121,203; Dec. 15; Gaz. vol. 209; p. 887.
- Rigg, Gilbert, Palmerton, Pa., assignor to New Jersey Zinc Company, New York, N. Y. Filtration of flue dust, fume, and like fine solid impurities from furnace-gases. No. 1,095,676; May 5; Gaz. vol. 202; p. 172.
- Rigg, Gilbert, Palmerton, Pa., assignor to New Jersey Zinc Company, New York, N. Y. Recovering sulfur in elementary form from pyrite. No. 1,103,081; July 14; Gaz. vol. 204; p. 345.
- Rigg, Gilbert, Palmerton, Pa., assignor to New Jersey Zinc Company, New York, N. Y. Preparing pyritiferous zinc-blende for magnetic separation. No. 1,103,082; July 14; Gaz. vol. 204; p. 345.
- Riggin, Walter C., Port Norris, N. J. Propeller-shutters. No. 1,099,821; June 9; Gaz. vol. 203; p. 540.
- Riggs, Douglass H. (See Benson and Riggs.)
- Riggs, Elwood, Omaha, Nebr. Lens substitute for use with trial eyeglass-mountings or the like. No. 1,090,232; Mar. 17; Gaz. vol. 200; p. 624.
- Riggs, Elwood, Omaha, Nebr. Spectacles. No. 1,092,290; Apr. 7; Gaz. vol. 201; p. 58.
- Riggs, Harry, Middletown, assignor of one-third to E. H. Shallcross, McDonough, Del. Car-coupling. No. 1,120,242; Dec. 8; Gaz. vol. 209; p. 500.
- Riggs, William I., Homer, Ill. End-gate for wagons. No. 1,122,644; Dec. 29; Gaz. vol. 209; p. 1459.
- Riggs, Willis D., Ashland, Nebr. Boring device. No. 1,102,078; June 30; Gaz. vol. 203; p. 1464.
- Rigler, Gustav von, Kolozsvár, Austria-Hungary. Manufactured food product and producing the same. No. 1,118,317; Nov. 24; Gaz. vol. 208; p. 1112.
- Riisager, Henrik E., Frederiksberg, Denmark. Rotary kiln. No. 1,103,381; July 14; Gaz. vol. 204; p. 449.
- Rike, Berton I., and J. R. Klin, assignors to The Rike Folding Box Company, Dayton, Ohio. Folding vessel. No. 1,099,937; June 16; Gaz. vol. 203; p. 617.
- Rike Folding Box Company, The. (See Rike and Klin, assignors.)
- Riker, Andrew L., Bridgeport, Conn., assignor to The "Locomotive" Company of America, New York, N. Y. Band-brake. No. 1,108,851; Aug. 25; Gaz. vol. 205; p. 1280.
- Riker, Andrew L., Bridgeport, Conn., assignor to The "Locomotive" Company of America, New York, N. Y. Internal-combustion engine. No. 1,109,637; Sept. 1; Gaz. vol. 206; p. 275.
- Riker, Carroll L., Jr., New York, N. Y. Clothes-line support. No. 1,103,083; July 14; Gaz. vol. 204; p. 346.
- Riker, Frank G. (See Gundelach, Emil C., assignor.)
- Rikof, Olof N., London, England. Tool-holder for metal-turning lathes. No. 1,111,181; Sept. 22; Gaz. vol. 206; p. 946.
- Rilance, Francis W., Thorah township, Ontario county, Ontario, Canada. Mounting for motors. No. 1,088,451; Feb. 24; Gaz. vol. 199; p. 1138.
- Riles, Edward, assignor of three-fourths to C. A. Conley, H. B. Broon, E. and E. L. Chambers, Isola, Miss. Mail-pouch. No. 1,114,913; Oct. 27; Gaz. vol. 207; p. 1012.
- Riley, Charles W., J. L. Vance, and H. A. Jenkins, assignors to The Noxon Company, Limited, Ingersoll, Ontario, Canada. Reel for harvester-binders. No. 1,085,299; Jan. 27; Gaz. vol. 198; p. 779.
- Riley, Frank T., Kansas City, Mo. Tally. No. 1,090,346; Mar. 17; Gaz. vol. 200; p. 664.
- Riley, Fred W. (See Schnee and Riley.)
- Riley, George, and H. E. Olsen, Petaluma, Cal. Automatic auxiliary air control for gas-engines. No. 1,097,944; May 26; Gaz. vol. 202; p. 1078.
- Riley, Herbert S., et al. (See Ela, Jonathan C., assignor.)
- Riley, Horace L., Richwood, W. Va. Compressed-air water-elevator. No. 1,121,402; Dec. 15; Gaz. vol. 209; p. 954.
- Riley, James, Parsons, Kans. Roundhouse equipment. No. 1,109,017; Sept. 1; Gaz. vol. 206; p. 57.
- Riley, Leland G., et al. (See Babbitt, Elwin J., assignor.)
- Riley, Louis J., London, England. Dressing for wounds and the like. No. 1,120,085; Dec. 8; Gaz. vol. 209; p. 443.
- Riley, Robert S., Providence, R. I. Positive-cleaning and self-dumping stoker. No. 1,090,651; Mar. 17; Gaz. vol. 200; p. 770.
- Riley, Robert S., Providence, R. I. Telemotor. No. 1,092,397; Apr. 7; Gaz. vol. 201; p. 94.
- Riley, Robert S., Providence, R. I. Underfeed furnace. No. 1,103,625; July 14; Gaz. vol. 204; p. 535.
- Riley, Robert S., Providence, R. I. Mechanical stoker. No. 1,107,842; Aug. 18; Gaz. vol. 205; p. 883.
- Riley, Robert S., assignor to The American Ship Windlass Company, Providence R. I. Stop mechanism for winches. No. 1,117,910; Nov. 17; Gaz. vol. 208; p. 931.
- Riley, Stanley. (See Riley, Victor and S.)
- Riley, Victor and S., Coventry, England. Detachable wheel. No. 1,088,627; Feb. 24; Gaz. vol. 199; p. 1195.
- Riley, William F., et al. (See Naumann, George L., assignor.)
- Rimmer, Cedric E., F. A. Plymire, and W. Wills, Luning, Nev.; said Wills assignor of three-tenths to W. L. Rohrer, Canton, Ohio. Carbureter. No. 1,104,222; July 21; Gaz. vol. 204; p. 781.
- Rindfleisch, Benjamin F., assignor to The National Acme Manufacturing Company, Cleveland, Ohio. Overload-clutch. No. 1,118,683; Nov. 24; Gaz. vol. 208; p. 1243.
- Rindone, Pietro, Los Angeles, Cal. Chimney-cap. No. 1,088,368; Feb. 24; Gaz. vol. 199; p. 1111.

Alphabetical list of patentees—Continued.

- Rinebold, Wilbert H., Fostoria, Ohio. Adjustable standard for cream-separators. No. 1,086,619; Feb. 10; Gaz. vol. 199; p. 409.
- Rinehart, Bentley L., Philadelphia, Pa. Vehicle-spring. No. 1,094,814; Apr. 28; Gaz. vol. 201; p. 1053.
- Rinehart, Bentley L., Philadelphia, Pa. Vehicle-spring. No. 1,094,815; Apr. 28; Gaz. vol. 201; p. 1053.
- Ringe, Harry E., Wyncote, Pa. Arc-lamp. No. 1,113,692; Oct. 13; Gaz. vol. 207; p. 489.
- Ringe, John C., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,100,913; June 23; Gaz. vol. 203; p. 1008.
- Ringe, John C., Stratford, Conn., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,116,629; Nov. 10; Gaz. vol. 208; p. 444.
- Ringer, Wilbur J., Newberry, S. C. Envelop-seal. No. 1,083,411; Jan. 6; Gaz. vol. 198; p. 52.
- Ringle, Robert F., assignor to Herman Pneumatic Machine Company, Zellenople, Pa. Valve for jarring-machines. No. 1,083,761; Jan. 6; Gaz. vol. 198; p. 167.
- Rininger, Charles M., assignor of one-half to F. H. Glore, Elkhart, Ind. Lubricator. No. 1,114,288; Oct. 20; Gaz. vol. 207; p. 740.
- Rinke, George, Detroit, Mich. Sanitary napkin. No. 1,107,447; Aug. 18; Gaz. vol. 205; p. 744.
- Rinsche, Frank C., St. Louis, Mo., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Adding and listing machine. No. 1,114,914; Oct. 27; Gaz. vol. 207; p. 1013.
- Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,120,746; Dec. 15; Gaz. vol. 209; p. 725.
- Rintoul, William. (See Nathan, Rintoul, and Baker.)
- Rinyik, Mike, Vintondale, Pa. Automobile-brake. No. 1,118,233; Nov. 24; Gaz. vol. 208; p. 1083.
- Riopel, Edward H., East Hampton, N. Y. Auto-lift. No. 1,091,390; Mar. 24; Gaz. vol. 200; p. 1051.
- Riordan, John W., Beaver Crossing, Nebr. Hand-planter. No. 1,094,595; Apr. 28; Gaz. vol. 201; p. 973.
- Riordan, Michael J., Bisbee, Ariz. Apparatus for producing refrigeration. No. 1,118,809; Nov. 24; Gaz. vol. 208; p. 1284.
- Riotte, Carl C., deceased, Jersey City, N. J.; M. L. Riotte, administratrix, Yonkers, N. Y., assignor to Standard Motor Construction Company, Jersey City, N. J. Throttle-governor for internal-combustion engines. No. 1,094,167; Apr. 21; Gaz. vol. 201; p. 770.
- Riotte, Carl C., deceased, Jersey City, N. J., (M. L. Riotte, administratrix, Bronxville, N. Y.), and B. C. Smith, Bayonne, N. J., assignors to Standard Motor Construction Company, Jersey City, N. J. Gas-generator for internal-combustion engines. No. 1,121,868; Dec. 22; Gaz. vol. 209; p. 1154.
- Riotte, Frida, Schlettstadt, Germany. Airship. No. 1,121,762; Dec. 22; Gaz. vol. 209; p. 1115.
- Riotte, Marie L., administratrix. (See Riotte, Carl C.)
- Riotte, Marie L., administratrix. (See Riotte and Smith.)
- Ripley and Company. (See Ripley, Daniel A., assignor.)
- Ripley, Daniel A., assignor to Ripley and Company, Connellsville, Pa. Globe or shade and holder therefor. No. 1,089,869; Mar. 10; Gaz. vol. 200; p. 457.
- Ripley, Giles E., W. N. Gladson, Fayetteville, and R. E. Thompson, Heber, Ark. Projecting apparatus for moving-picture machines. No. 1,091,864; Mar. 31; Gaz. vol. 200; p. 1260.
- Ripley, John W., Topeka, Kans. Water-purifying apparatus. No. 1,123,011; Dec. 29; Gaz. vol. 209; p. 1589.
- Ripley, William R., Tacoma, Wash. Stave porch-column. No. 1,110,008; Sept. 8; Gaz. vol. 206; p. 449.
- Ripley, Winfield, Breckenridge, Colo. Teething-ring. No. 1,117,093; Nov. 10; Gaz. vol. 208; p. 606.
- Ripper, John J., Fellows, Cal. Rod-clamp. No. 1,083,858; Jan. 6; Gaz. vol. 198; p. 195.
- Rischmuller, George, San Francisco, Cal. Clutch and speed-regulator. No. 1,089,498; Mar. 10; Gaz. vol. 200; p. 331.
- Rising, John G., assignor of one-fourth to A. R. Kirkland, Stockton, and one-fourth to J. L. Martin, Los Angeles, Cal. Toilet disinfectant. No. 1,083,561; Jan. 6; Gaz. vol. 198; p. 100.
- Risinger, Frank V., assignor to The Block Light Company, Youngstown, Ohio. Gas-lamp. No. 1,086,560; Feb. 10; Gaz. vol. 199; p. 388.
- Risinger, Frank V., assignor to The Block Light Co., Youngstown, Ohio. Gas-lamp. No. 1,089,440; Mar. 10; Gaz. vol. 200; p. 309.
- Risley, Bruce A. (See Page, Frank W., assignor.)
- Risley, Philemon. (See Higham and Risley.)
- Rispel, Alexander, assignor of one-half to L. H. Liedtke, Chicago, Ill. Door check and holder. No. 1,115,574; Nov. 3; Gaz. vol. 208; p. 36.
- Risser, Arthur I., Chicago, Ill. Speed-reducer. No. 1,104,223; July 21; Gaz. vol. 204; p. 782.
- Rist, John S., and W. E. Totten, Tyrone, Okla. Well-drill bit. No. 1,088,452; Feb. 24; Gaz. vol. 199; p. 1139.
- Ritchie, Howard B., Hyde Park, Mass. Assorting or grading machine. No. 1,119,454; Dec. 1; Gaz. vol. 209; p. 191.
- Ritchie, James, New York, N. Y. Collapsible shipping-crate. No. 1,095,597; May 5; Gaz. vol. 202; p. 145.
- Ritchie, Marriott C., London, England. Pamphlet-coverer. No. 1,088,932; Mar. 3; Gaz. vol. 200; p. 89.
- Riter-Conley Manufacturing Company. (See Barnum and Carpenter, assignors.)
- Riter-Conley Manufacturing Company. (See Brown, Rezeau B., assignor.)
- Riter-Conley Manufacturing Company. (See Carpenter, Henry A., assignor.)
- Riter-Conley Manufacturing Company. (See Carpenter and Barnum, assignors.)
- Riter-Conley Manufacturing Company. (See Carpenter and Warner, assignors.)
- Riter-Conley Manufacturing Company. (See Hibbard, Robert L., assignor.)
- Riter-Conley Manufacturing Company. (See Koehl, Louis C., assignor.)
- Riter-Conley Manufacturing Company. (See Osborne, Willard B., assignor.)
- Ritherdon, Percy S. (See Irving and Ritherdon.)
- Rithner, Henry, assignor to Crescent Glass Company, Wellsburg, W. Va. Hood for electric lamps. No. 1,086,787; Feb. 10; Gaz. vol. 199; p. 468.
- Rittenhouse, Arthur E., Scranton, Pa., assignor to A. E. Rittenhouse Co., Honeoye Falls, N. Y. Supporting means for swinging objects. No. 1,090,118; Mar. 10; Gaz. vol. 200; p. 543.
- Rittenhouse, James F., Liberty Mills, Ind. Hand-seeder. No. 1,096,950; May 19; Gaz. vol. 202; p. 685.
- Rittenhouse, William R., assignor of one-half to I. H. Cranston, Providence, R. I. Link. No. 1,114,289; Oct. 20; Gaz. vol. 207; p. 740.
- Ritter, Charles F., Fairview, Okla. Joint for window-sashes and the like. No. 1,110,009; Sept. 8; Gaz. vol. 206; p. 449.
- Ritter, Clyde, Bridgeton, N. J. Condiment-holder. No. 1,114,807; Oct. 27; Gaz. vol. 207; p. 973.
- Ritter, Frederick D. (See Romo and Ritter.)
- Ritter, Gilbert P., et al. (See Gearing, Harry, assignor.)
- Ritter, Jacob, New York, N. Y. Bag-frame fastener. No. 1,102,437; July 7; Gaz. vol. 204; p. 76.
- Rittersbacher, Philip, Newark, N. J. Bracelet. No. 1,090,652; Mar. 17; Gaz. vol. 200; p. 771.
- Rittman, Christian A., assignor to The American Crayon Company, Sandusky, Ohio. Crayon-machine. No. 1,112,229; Sept. 29; Gaz. vol. 206; p. 1344.
- Ritty, Edward J., assignor of one-half to L. J. Ritty, Dayton, Ohio. Level. No. 1,111,706; Sept. 22; Gaz. vol. 206; p. 1128.
- Ritty, Lee J. (See Ritty, Edward J., assignor.)
- Ritz-Woller, Oliver C., Jacksonville, Fla. Weighing-tongs. No. 1,084,663; Jan. 20; Gaz. vol. 198; p. 523.
- Ritz-Woller, Oliver C., Jacksonville, Fla. Tank-filling valve. No. 1,087,983; Feb. 24; Gaz. vol. 199; p. 979.
- Ritz-Woller, Oliver C., Jacksonville, Fla. Liquid-gage lock. No. 1,088,727; Mar. 3; Gaz. vol. 200; p. 20.
- Ritz-Woller, Oliver C., Jacksonville, Fla. Gasolene-feed system for motor-vehicles. No. 1,097,365; May 19; Gaz. vol. 202; p. 831.
- Ritz-Woller, Oliver C., Jacksonville, Fla. Fluid-gage. No. 1,102,168; June 30; Gaz. vol. 203; p. 1495.
- Ritz-Woller, Oliver C., Chicago, Ill. Air-control device for liquid-gages. No. 1,086,561; Feb. 10; Gaz. vol. 199; p. 388.
- Ritz-Woller, Oliver C., Chicago, Ill. Lock for receptacle-closures. No. 1,096,951; May 19; Gaz. vol. 202; p. 686.
- Riveroll, Elfege, Los Angeles, Cal. Smelting-furnace. No. 1,105,001; July 28; Gaz. vol. 204; p. 1100.
- Rivers, Claude H., et al. (See Bechler, Edward W., assignor.)
- Rives, Edwin A., and H. B. Nabors, assignors of one-eighth to Henry L. Hicks, Greensboro, N. C. Gravity-sander for front and rear drive-wheels for locomotives. No. 1,116,925; Nov. 10; Gaz. vol. 208; p. 547.
- Rivett, Edward, Brighton, assignor to Rivett Lathe & Grinder Company, Faneuil, Mass. Self-centering chuck. No. 1,098,055; May 26; Gaz. vol. 202; p. 1117.
- Rivett Lathe & Grinder Company. (See Rivett, Edward, assignor.)
- Rivkin, Bert, New York, N. Y. Station-indicator. No. 1,083,898; Jan. 6; Gaz. vol. 198; p. 206.
- Rivkin, Bert, assignor of one-fourth to L. Sherman, one-sixth to S. Liss, New York, one-sixth to L. Tropp, and one-sixth to M. M. Turitz, Brooklyn, N. Y. Window-shade roller. No. 1,095,177; Apr. 28; Gaz. vol. 201; p. 1179.
- Rizer, Arthur D., Elgin, Ill. Separable fixture-joint. No. 1,102,079; June 30; Gaz. vol. 203; p. 1465.
- Roach, E. A. (See Graham, David M., assignor.)
- Roach, Edward A., assignor of one-half to D. M. Graham, Bordulac, N. D. Stack. No. 1,104,447; July 21; Gaz. vol. 204; p. 859.
- Roach, Thomas W., Lyman, Wash. Saw tensioning and straightening machine. No. 1,096,756; May 12; Gaz. vol. 202; p. 573.
- Roach, William. (See Faubel and Roach.)
- Roach, William J., Chicago, Ill. Separable connection. No. 1,099,100; June 2; Gaz. vol. 203; p. 248.
- Roadman, John H., New Eagle, assignor to Window Glass Machine Company, Pittsburgh, Pa. Glass oven or leer. No. 1,096,058; May 12; Gaz. vol. 202; p. 337.

Alphabetical list of patentees—Continued.

- Roadman, John H., Monongahela, and W. M. Dravo, Belle Vernon, assignors to Window Glass Machine Company, Pittsburgh, Pa. Take-down sling for handling glass cylinders. No. 1,102,803; July 7; Gaz. vol. 204; p. 203.
- Roanoke Wrecking & Salvage Company. (See Niehoff, Ernest, assignor.)
- Roarke, Mary E., New York, N. Y. Garment-weight. No. 1,084,233; Jan. 13; Gaz. vol. 198; p. 355.
- Roarke, Mary E., New York, N. Y. Garment-weight. No. 1,102,438; July 7; Gaz. vol. 204; p. 76.
- Roba, George J., Paulina, Oreg. Toy. No. 1,115,575; Nov. 3; Gaz. vol. 208; p. 37.
- Robb, David W. (See Macdonald and Robb.)
- Robb, William J., and W. H. Welch, assignors to Banner Motors Limited, Bristol, England. Internal-combustion engine. No. 1,096,952; May 19; Gaz. vol. 202; p. 686.
- Robbe, Julius, Memphis, Tenn. Locomotive-headlight cover. No. 1,120,540; Dec. 8; Gaz. vol. 209; p. 606.
- Robbins, Albert C. (See Rogers and Robbins.)
- Robbins, Albert F., Waltham, Mass., assignor to Henry Zimmern & Company, New York, N. Y. Watchmaker's tool. No. 1,109,942; Sept. 8; Gaz. vol. 206; p. 425.
- Robbins, Charles F., Abington, assignor to Markem Machine Company, Boston, Mass. Printing-machine. No. 1,118,051; Nov. 24; Gaz. vol. 208; p. 1021.
- Robbins, Charles L., Belfast, N. Y. Saw-guide. No. 1,102,080; June 30; Gaz. vol. 203; p. 1465.
- Robbins, Eugene H., Pittsfield, Mass. Wrench. No. 1,084,483; Jan. 13; Gaz. vol. 198; p. 433.
- Robbins, George, Minneapolis, Minn. Sample-case and equipment. No. 1,087,686; Feb. 17; Gaz. vol. 199; p. 832.
- Robbins, George B. (See Sharp, William E., assignor.)
- Robbins, Harry G., Minneapolis, Minn. Wall construction. No. 1,106,584; Aug. 11; Gaz. vol. 205; p. 394.
- Robbins, Hermon E., Millgrove, Ind. Automatic registering-faucet. No. 1,085,702; Feb. 3; Gaz. vol. 199; p. 43.
- Robbins, Hurley H., Brooklyn, N. Y. Velocipede. No. 1,108,789; Aug. 25; Gaz. vol. 205; p. 1257.
- Robbins, Jacob H., Gillespie, assignor of one-fourth to O. Wesley, Benld, Ill. Rail-joint. No. 1,084,484; Jan. 13; Gaz. vol. 198; p. 433.
- Robbins, Marshall F., Jr., Brockton, assignor to Wheeler Reflector Company, Boston, Mass. Reflector. No. 1,119,455; Dec. 1; Gaz. vol. 209; p. 191.
- Robbins, Meyer L., New York, N. Y. Cigar-cutter. No. 1,086,463; Feb. 10; Gaz. vol. 199; p. 354.
- Robbins, Meyer L., New York, N. Y. Cigarette-case. No. 1,091,083; Mar. 24; Gaz. vol. 200; p. 949.
- Robbins, Rufus H., San Diego, Cal. Lamp-shifting device for automobiles. No. 1,118,234; Nov. 24; Gaz. vol. 208; p. 1083.
- Robel, John J., Selah, Wash. Ladder. No. 1,084,033; Jan. 13; Gaz. vol. 198; p. 287.
- Roberg, Claes F., and A. Malmberg, Chicago, Ill. Laundry-mangle. No. 1,095,167; Apr. 28; Gaz. vol. 201; p. 1175.
- Roberg, Claes F., and A. A. Malmberg, Chicago, Ill. Ironing-machine. No. 1,105,207; July 28; Gaz. vol. 204; p. 1171.
- Roberge, Raoul, assignor to P. Lachance & Co., Shawinigan Falls, Quebec, Canada. Water-closet seat. No. 1,097,768; May 26; Gaz. vol. 202; p. 1015.
- Robert Dempster & Sons. (See Toogood, Herbert J., assignor.)
- Robert N. Bassett Company, The. (See Bradshaw, Charles E., assignor.)
- Robert N. Bassett Company, The. (See Russ and Stuart, assignors.)
- Robert N. Bassett Company, The. (See Stuart, Henry J., assignor.)
- Robert, Philippe, Paris, France. Heating system. No. 1,083,859; Jan. 6; Gaz. vol. 198; p. 195.
- Roberti, Francesco and P., Fitchburg, Mass. Door. No. 1,101,960; June 30; Gaz. vol. 203; p. 1422.
- Roberti, Frederick W., Los Angeles, Cal. Bed-partition. No. 1,094,679; Apr. 28; Gaz. vol. 201; p. 1005.
- Roberti, Pasquale. (See Roberti, Francesco and P.)
- Roberts, Annie C., administratrix. (See Roberts, Edward M.)
- Roberts, Augusta L. and B. L. K., Ashland, Ky. Car-coupling. No. 1,084,485; Jan. 13; Gaz. vol. 198; p. 434.
- Roberts, Augustus H., Los Angeles, Cal. Scrip-cutter. No. 1,095,598; May 5; Gaz. vol. 202; p. 145.
- Roberts, Bernard F., Sabetha, Kans. Auxiliary step for railway-coaches. No. 1,106,972; Aug. 11; Gaz. vol. 205; p. 529.
- Roberts, Bertha L. K. (See Roberts, Augusta L. and B. L. K.)
- Roberts, Cameron F., Detroit, Mich. Fountain dust-mop. No. 1,102,439; July 7; Gaz. vol. 204; p. 76.
- Roberts, Charles B., Modesto, Cal. Scraper. No. 1,098,640; June 2; Gaz. vol. 203; p. 98.
- Roberts, Dixie, Arkansas City, Kans. Dental articulator. No. 1,096,195; May 12; Gaz. vol. 202; p. 382.
- Roberts, Edmund W., Clyde, assignor to The Roberts Motor Company, Sandusky, Ohio. Internal-combustion engine. No. 1,101,332; June 23; Gaz. vol. 203; p. 1153.
- Roberts, Edward F. (See Gleason and Roberts.)
- Roberts, Edward F., assignor to Packard Motor Car Company, Detroit, Mich. Gear-cutting machine. No. 1,108,623; Aug. 25; Gaz. vol. 205; p. 1202.
- Roberts, Edward M., deceased; A. C. Roberts, administratrix, Ashland, Ky. Locomotive diaphragm and spark-arrester. No. 1,090,754; Mar. 17; Gaz. vol. 200; p. 802.
- Roberts, Edwin T., Roswell, N. Mex. Fruit-drier. No. 1,093,011; Apr. 14; Gaz. vol. 201; p. 339.
- Roberts, Ernest J., Christchurch, New Zealand. Feed-guide for lithographic and other printing machines. No. 1,092,455; Apr. 7; Gaz. vol. 201; p. 115.
- Roberts, Eugene, and A. H. Gibson, Lehi, assignors to Sugar Centrifugal Discharger Company, Salt Lake City, Utah. Basket for centrifugal machines. No. 1,108,098; Aug. 18; Gaz. vol. 205; p. 972.
- Roberts, Frank C., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,098,407; June 2; Gaz. vol. 203; p. 18.
- Roberts, Frederick A., Dickey, N. D. Crank-shaft journal-box. No. 1,117,705; Nov. 17; Gaz. vol. 208; p. 862.
- Roberts, Fredrick A., Dickey, N. D. Life-saving suit. No. 1,106,728; Aug. 11; Gaz. vol. 205; p. 443.
- Roberts, Fredrick A., Dickey, N. D. Journal-box. No. 1,112,936; Oct. 6; Gaz. vol. 207; p. 183.
- Roberts, George A., Wollaston, Mass. Felt polishing-stick. No. 1,105,457; July 28; Gaz. vol. 204; p. 1262.
- Roberts, George B., New York, assignor of forty-nine one-hundredths to M. T. Flanagan, North Tarrytown, N. Y. Ventilator-window. No. 1,102,955; July 7; Gaz. vol. 204; p. 254.
- Roberts, George G., Toledo, Ohio. Bottle-case. No. 1,086,859; Feb. 10; Gaz. vol. 199; p. 494.
- Roberts, George R. W., and H. H. Seely, Alameda, Cal. Fluid-actuated alarm. No. 1,083,299; Jan. 6; Gaz. vol. 198; p. 14.
- Roberts, George W., Bangor, Pa. Horseshoe. No. 1,101,333; June 23; Gaz. vol. 203; p. 1153.
- Roberts, Gus F., Fries, Va. Roving-clamp for spinning-machines. No. 1,088,036; Feb. 24; Gaz. vol. 199; p. 998.
- Roberts, Gus F., Fries, Va. Roving-clamp for spinning-machines. No. 1,110,716; Sept. 15; Gaz. vol. 206; p. 741.
- Roberts, Guy, Bridgeport, Conn. Fuse-tongs. No. 1,105,043; July 28; Gaz. vol. 204; p. 1114.
- Roberts, Henry L., Philadelphia, Pa. Railway. No. 1,118,052; Nov. 24; Gaz. vol. 208; p. 1022.
- Roberts, Henry P., Boston, Mass., assignor to Sanitary Cigar Cutter Co. Sanitary cigar-cutter. No. 1,104,137; July 21; Gaz. vol. 204; p. 752.
- Roberts, Henry P., assignor to G. R. Moore and J. W. Hawes, Boston, Mass. Beating and mixing device. No. 1,090,567; Mar. 17; Gaz. vol. 200; p. 742.
- Roberts, J. E., et al. (See Hickman and Lynch, assignors.)
- Roberts, J. T., et al. (See Kaylor, William, assignor.)
- Roberts, Jesse M., Los Angeles, Cal. Oven. No. 1,088,628; Feb. 24; Gaz. vol. 199; p. 1196.
- Roberts, Jonathan, Rumney Depot, N. H. Rung-engaging clip. No. 1,084,034; Jan. 13; Gaz. vol. 198; p. 287.
- Roberts, John G., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Substation service-meter. No. 1,097,366; May 19; Gaz. vol. 202; p. 831.
- Roberts, John T., Washington, D. C. Portable heater. No. 1,100,198; June 16; Gaz. vol. 203; p. 708.
- Roberts, John T., Washington, D. C. Warmer. No. 1,105,307; July 28; Gaz. vol. 204; p. 1207.
- Roberts, John W., Sarnia, Ontario, Canada. Automatic pipe connection. No. 1,121,763; Dec. 22; Gaz. vol. 209; p. 1116.
- Roberts, Joseph P., Bell, Fla. Internal-combustion engine. No. 1,103,842; July 14; Gaz. vol. 204; p. 610.
- Roberts, Julius O., Salina, Kans. Screw-extractor. No. 1,105,535; July 28; Gaz. vol. 204; p. 1289.
- Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,110,648; Sept. 15; Gaz. vol. 206; p. 717.
- Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,110,825; Sept. 15; Gaz. vol. 206; p. 778.
- Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting-machine operator. No. 1,114,044; Oct. 20; Gaz. vol. 207; p. 650.
- Roberts, Lyman R., and C. L. Davis, Detroit, Mich., assignors to Underwood Typewriter Company, New York, N. Y. Automatic type-writer actuator. No. 1,109,597; Sept. 1; Gaz. vol. 206; p. 259.
- Roberts, Marion M., Gossett, Ill. Railway-crossing. No. 1,096,757; May 12; Gaz. vol. 202; p. 574.
- Roberts, Marion M., Gossett, Ill. Rail-joint. No. 1,097,467; May 19; Gaz. vol. 202; p. 865.
- Roberts, Montague H., Providence, R. I. Fluid-pressure motor. No. 1,118,053; Nov. 24; Gaz. vol. 208; p. 1022.
- Roberts, Mortimer V., Chisholm, Minn. Heat-insulated receptacle. No. 1,088,453; Feb. 24; Gaz. vol. 199; p. 1139.

Alphabetical list of patentees—Continued.

- Roberts Motor Company, The. (See Roberts, Edmund W., assignor.)
- Roberts, Odineal, Bonham, Tex. Fruit-stand. No. 1,105,376; July 28; Gaz. vol. 204; p. 1235.
- Roberts, Perley H., Rochester, N. H. Tooth-brush holder. No. 1,084,965; Jan. 20; Gaz. vol. 198; p. 627.
- Roberts, Richard C., Wymeswold, England. Trim-indicator for ships. No. 1,110,347; Sept. 15; Gaz. vol. 206; p. 610.
- Roberts, Richard W. (See Roberts and Schaefer, assignors.)
- Roberts, Robert M., assignor, by mesne assignments, of one-half to G. A. Brakeman, Anderson, Ind. Transmission gearing and axle. No. 1,096,196; May 12; Gaz. vol. 202; p. 382.
- Roberts, Samuel, Calhoun, Ga. Churn. No. 1,119,637; Dec. 1; Gaz. vol. 209; p. 254.
- Roberts, Samuel H., and G. W. Schaefer, New York; said Schaefer assignor to R. W. Roberts, Brooklyn, N. Y. Shipping-box for umbrellas and canes. No. 1,112,325; Sept. 29; Gaz. vol. 206; p. 1376.
- Roberts, Sherman C., Denver, Colo. Apparatus for milling alfalfa-bay. No. 1,092,801; Apr. 7; Gaz. vol. 201; p. 232.
- Roberts, Stephen R., Centralia, Mo. Washing-machine. No. 1,105,699; Aug. 4; Gaz. vol. 205; p. 40.
- Roberts, Theophilus, Bristow, Okla. Rail-joint. No. 1,112,477; Oct. 6; Gaz. vol. 207; p. 22.
- Roberts, Thomas, Bolton, England. Means for taking samples of powdered substances or liquids. No. 1,101,568; June 30; Gaz. vol. 203; p. 1285.
- Roberts, Thomas S. (See Rowell, Theodore B., assignor.)
- Roberts, William B., assignor of one-half to F. Huster, Philadelphia, Pa. Curtain-holder. No. 1,093,649; Apr. 21; Gaz. vol. 201; p. 595.
- Roberts, William E., Portland, Oreg. Gas-engine valve. No. 1,100,151; June 16; Gaz. vol. 203; p. 692.
- Roberts, William J. (See Hefin and Roberts.)
- Robertshaw, Frederick W. (See Robertshaw, George A., assignor.)
- Robertshaw, Frederick W., Pittsburgh, Pa. Water-heater. No. 1,097,265; May 19; Gaz. vol. 202; p. 796.
- Robertshaw, George A., assignor to F. W. Robertshaw, Pittsburgh, Pa. Gas-controlling mechanism. No. 1,107,549; Aug. 18; Gaz. vol. 205; p. 778.
- Robertson, Allan, and M. L. Woodall, Toronto, Ontario, Canada. Newspaper-clip. No. 1,119,315; Dec. 1; Gaz. vol. 209; p. 142.
- Robertson, Arthur W., Chicago, Ill., assignor of one-third to W. E. Robertson, Leadville, Colo., and one-third to J. H. Robertson, Platteville, Wis. Wire-gage. No. 1,121,289; Dec. 15; Gaz. vol. 209; p. 915.
- Robertson, Bedford S. (See Robertson, Ida A. and B. S.)
- Robertson, Bedford S., Rocky Mount, Va. Package-tying device. No. 1,119,638; Dec. 1; Gaz. vol. 209; p. 254.
- Robertson, Bird A., Ben Franklin, Tex. Brush-cylinder for gins. No. 1,122,308; Dec. 29; Gaz. vol. 209; p. 1344.
- Robertson, Charles, Seattle, Wash. Can-filling apparatus. No. 1,096,953; May 19; Gaz. vol. 202; p. 686.
- Robertson, Charles B., Baltimore, Md. Toy weighing-machine. No. 1,104,138; July 21; Gaz. vol. 204; p. 753.
- Robertson, Charles J., Taunton, Mass., assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Trip mechanism for printing-presses. No. 1,107,843; Aug. 18; Gaz. vol. 205; p. 883.
- Robertson, Edward H., Irvington, N. J., assignor of one-half to W. F. Mahony, Washington, D. C. Lacing hook or stud. No. 1,090,942; Mar. 24; Gaz. vol. 200; p. 899.
- Robertson, Frederick D. S., Toronto, assignor of three-fourths to M. J. O'Brien, Renfrew, Ontario, Canada. Recovering molybdenum from its ores and concentrates. No. 1,118,150; Nov. 24; Gaz. vol. 208; p. 1055.
- Robertson, George L., Philadelphia, Pa. Pneumatic hammer. No. 1,107,550; Aug. 18; Gaz. vol. 205; p. 778.
- Robertson, George L., assignor of one-half to W. C. O'Neill, Philadelphia, Pa. Spring-equilibrator. No. 1,088,298; Feb. 24; Gaz. vol. 199; p. 1087.
- Robertson, Harvey A., Economy, Pa. Gage. No. 1,105,700; Aug. 4; Gaz. vol. 205; p. 40.
- Robertson, Henry M. (See Gilman and Robertson.)
- Robertson, Ida A. and B. S., Rockymount, Va. Apron. No. 1,094,345; Apr. 21; Gaz. vol. 201; p. 825.
- Robertson, James, Kearney, N. J. Mold for concrete structures. No. 1,117,519; Nov. 17; Gaz. vol. 208; p. 795.
- Robertson, James P., North Sydney, New South Wales, Australia. Polishing appliance. No. 1,083,860; Jan. 6; Gaz. vol. 198; p. 196.
- Robertson, John A., assignor to Eastman Kodak Co., Rochester, N. Y. Camera-bed. No. 1,096,954; May 19; Gaz. vol. 202; p. 687.
- Robertson, John A., Monroe, assignor to Eastman Kodak Company, Rochester, N. Y. Film-spool center. No. 1,100,100; June 16; Gaz. vol. 203; p. 674.
- Robertson, John A., and R. Kroedel, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic camera. No. 1,107,358; Aug. 18; Gaz. vol. 205; p. 711.
- Robertson, John H., et al. (See Robertson, Arthur W., assignor.)
- Robertson, Levi L., Madison, Minn. Adjustable scaffold. No. 1,115,975; Nov. 3; Gaz. vol. 208; p. 174.
- Robertson, Lucius, Madisonville, Ohio. Impression-cup. No. 1,099,101; June 2; Gaz. vol. 203; p. 248.
- Robertson, Robert A., Norman, Okla. Sash-holder. No. 1,115,576; Nov. 3; Gaz. vol. 208; p. 37.
- Robertson, William E., et al. (See Robertson, Arthur W., assignor.)
- Robertson, William F., Cincinnati, Ohio. Tufting-washer. No. 1,111,034; Sept. 22; Gaz. vol. 206; p. 894.
- Robertson, William J. (See Cranwell and Robertson.)
- Robertson, William P., New York, N. Y., assignor to Sharp and Dohme. Poison-protective device. No. 1,091,441; Mar. 24; Gaz. vol. 200; p. 1067.
- Robey, Claude, Canon City, Colo. Centrifugally-controlled clutch. No. 1,106,242; Aug. 4; Gaz. vol. 205; p. 227.
- Robey, Elmer E. (See Rees, James P., assignor.)
- Robey, Ernest W. (See Hinman and Robey.)
- Robiczek, Adolf, Vienna, Austria-Hungary. Splice-bar. No. 1,102,081; June 30; Gaz. vol. 203; p. 1465.
- Robidou, Varild J., Pawtucket, R. I. Spindle for spinning-machines. No. 1,116,844; Nov. 10; Gaz. vol. 208; p. 520.
- Robin, Jacob I., and C. White, London, England. Incandescent gas-mantle. No. 1,100,781; June 23; Gaz. vol. 203; p. 961.
- Robinet, James M., Williamson, W. Va. Cue-tip and fastening means therefor. No. 1,111,497; Sept. 22; Gaz. vol. 206; p. 1054.
- Robinson, Arthur J., assignor of one-fourth to A. Bullock, one-fourth to J. A. Thompson, one-fourth to T. Leech, Sheridan, Wyo., one-eighth to R. Williams, and one-eighth to C. Grimm, Greer, Idaho. Amalgamator. No. 1,121,537; Dec. 15; Gaz. vol. 209; p. 1000.
- Robinson, Arthur W., Montreal, Quebec, Canada. Tunnel-shovel. No. 1,090,233; Mar. 17; Gaz. vol. 200; p. 625.
- Robinson, Arthur W., Montreal, Quebec, Canada. Floating discharge-pipe for hydraulic dredges. No. 1,104,275; July 21; Gaz. vol. 204; p. 799.
- Robinson, Charles D., et al. (See O'Connell, James P., assignor.)
- Robinson, Charles F., San Francisco, Cal. Motor-car axle. No. 1,107,448; Aug. 18; Gaz. vol. 205; p. 744.
- Robinson, Charles G., Pittsburgh, Pa., assignor to Wheeling Steel Casting Company, Wheeling, W. Va. Apparatus for making ingot-molds. No. 1,110,348; Sept. 15; Gaz. vol. 206; p. 610.
- Robinson, Clark, Hillyard, Wash. Key-lock. No. 1,109,787; Sept. 8; Gaz. vol. 206; p. 368.
- Robinson & Co. (See Scott, Elisha H., assignor.)
- Robinson, Cyrus, Mount Vernon, N. Y., assignor to Metallurgical Engineering & Process Corporation. Ore treatment. No. 1,105,102; July 28; Gaz. vol. 204; p. 1135.
- Robinson, Earle T., University City, Mo. Pump. No. 1,122,160; Dec. 22; Gaz. vol. 209; p. 1254.
- Robinson, Ebenezer. (See Tucker, George E., assignor.)
- Robinson, Edward N., et al. (See Seaman, Albert J., assignor.)
- Robinson, Edward P., Malden, Mass. Controlling device for power-driven gear. No. 1,086,464; Feb. 10; Gaz. vol. 199; p. 354.
- Robinson, Edward P., Malden, Mass. Power steering-gear. No. 1,086,465; Feb. 10; Gaz. vol. 199; p. 355.
- Robinson, Edward S., Oroville, assignor to Golden West Motors Company, Sacramento, Cal. Steering and driving mechanism for motor-vehicles. No. 1,092,744; Apr. 7; Gaz. vol. 201; p. 213.
- Robinson, Edward S., Oroville, assignor to Golden West Motors Company, Sacramento, Cal. Steering-gear for automobiles. No. 1,092,745; Apr. 7; Gaz. vol. 201; p. 213.
- Robinson, Edward S., Oroville, assignor to Golden West Motors Company, Sacramento, Cal. Brake. No. 1,092,746; Apr. 7; Gaz. vol. 201; p. 214.
- Robinson, Edward S., Oroville, assignor to Golden West Motors Company, Sacramento, Cal. Transmission-gearing. No. 1,092,747; Apr. 7; Gaz. vol. 201; p. 214.
- Robinson, Edward W., assignor, by mesne assignments, to International Barrel Company, Savannah, Ga. Barrel. No. 1,087,138; Feb. 17; Gaz. vol. 199; p. 637.
- Robinson, Edward W., assignor to International Barrel Company, Savannah, Ga. Barrel-head retainer. No. 1,104,546; July 21; Gaz. vol. 204; p. 896.
- Robinson, Elbert R., Chicago, Ill. Motor-vehicle. No. 1,109,618; Sept. 1; Gaz. vol. 206; p. 57.
- Robinson, Ellsworth, Selby, S. D. Deep-tilling attachment. No. 1,100,620; June 16; Gaz. vol. 203; p. 852.
- Robinson, Elmer O. (See Bunn and Robinson.)
- Robinson, Frank A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,102,688; July 7; Gaz. vol. 204; p. 162.
- Robinson, Frank W., assignor to Nolde & Horst Company, Reading, Pa. Knitting-machine. No. 1,119,877; Dec. 8; Gaz. vol. 209; p. 371.
- Robinson, Frederick J., Hampton, Va. Braking device for reversible gear mechanism. No. 1,105,377; July 28; Gaz. vol. 204; p. 1235.
- Robinson, George H., Bayswater, London, England. Resilient wheel for vehicles. No. 1,090,087; Mar. 10; Gaz. vol. 200; p. 532.

Alphabetical list of patentees—Continued.

- Robinson, George S. (See McAdams and Robinson.)
 Robinson, George W. (See Humason, Granville A., assignor.)
 Robinson, Harry, New York, N. Y. Shaving-brush. No. 1,089,266; Mar. 3; Gaz. vol. 200; p. 202.
 Robinson, Harry B., Muskegon, Mich. Hose-coupling. No. 1,099,129; June 2; Gaz. vol. 203; p. 258.
 Robinson, Henry, South Orange, N. J. Vegetable-paring machine. No. 1,087,554; Feb. 17; Gaz. vol. 199; p. 784.
 Robinson, Henry, South Orange, N. J. Vegetable-paring machine. No. 1,114,290; Oct. 20; Gaz. vol. 207; p. 740.
 Robinson, Henry O., Brookline, Mass., and C. Steadman, Huguenot Park, N. Y. Kiln, furnace, &c. (Reissue.) No. 13,774; July 14; Gaz. vol. 204; p. 644.
 Robinson, Herbert W., Sedgley, England. Treatment of coal-tar or its products for the removal of the properties therein tending to induce pitch-cancer. No. 1,114,045; Oct. 20; Gaz. vol. 207; p. 651.
 Robinson, J. M. (See Thomas, Luther B., assignor.)
 Robinson, J. M. (See Thomas, Luther B., assignor.)
 Robinson, J. M. (See Thomas, Luther B., assignor.)
 Robinson, Joe, Matteawan, N. Y. Keyhole-guide. No. 1,110,963; Sept. 15; Gaz. vol. 206; p. 827.
 Robinson, John G., Manchester, England. Steam-superheater for locomotive and like tubular boilers. No. 1,093,293; Apr. 14; Gaz. vol. 201; p. 437.
 Robinson, John G., Manchester, England. Steam-superheater for locomotive and other boilers. No. 1,109,304; Sept. 1; Gaz. vol. 206; p. 158.
 Robinson, John G., Manchester, England. Steam-superheater for locomotive and other boilers. No. 1,109,303; Sept. 1; Gaz. vol. 206; p. 158.
 Robinson, John J. (See McLaren, Donald, assignor.)
 Robinson, John R., Whittier, Cal. Engine-muffler. No. 1,109,547; Sept. 1; Gaz. vol. 206; p. 241.
 Robinson, Joseph E., Oil City, Pa. Internal anchor device for oil, gas, water, and other wells. No. 1,092,508; Apr. 7; Gaz. vol. 201; p. 133.
 Robinson, Joseph V., Washington, D. C. Fire-governor. No. 1,105,208; July 28; Gaz. vol. 204; p. 1171.
 Robinson, Joseph W., Milwaukee, Wis. Heater for motor-driven vehicles. No. 1,117,444; Nov. 17; Gaz. vol. 208; p. 769.
 Robinson, Julia, assignor, by mesne assignments, to Cluett, Peabody & Co., Inc., Troy, N. Y. Soft fold-collar. No. 1,112,033; Sept. 29; Gaz. vol. 206; p. 1275.
 Robinson, Lawrence E., Coffeyville, Kans. Dry-hole plug for wells. No. 1,092,540; Apr. 7; Gaz. vol. 201; p. 143.
 Robinson, Lawrence E., Coffeyville, Kans. Retaining member for well-packers. No. 1,094,020; Apr. 21; Gaz. vol. 201; p. 720.
 Robinson, Lawrence E., Coffeyville, Kans. Separable retaining member for well-packers. No. 1,094,021; Apr. 21; Gaz. vol. 201; p. 720.
 Robinson, Lawrence E., Coffeyville, Kans. Gas packing-head. No. 1,114,808; Oct. 27; Gaz. vol. 207; p. 974.
 Robinson, Lester H., Aurora, Ill. Apparatus for hanging window-shades. No. 1,121,290; Dec. 15; Gaz. vol. 209; p. 916.
 Robinson, Lewis T., Schenectady, N. Y., assignor to General Electric Company. Maximum-demand indicator. No. 1,118,444; Nov. 24; Gaz. vol. 208; p. 1160.
 Robinson, Lewis T., Schenectady, N. Y., assignor to General Electric Company. Demand apparatus. No. 1,119,639; Dec. 1; Gaz. vol. 209; p. 254.
 Robinson, Miner, Newton, Mass. Outlet or switch box. No. 1,121,291; Dec. 15; Gaz. vol. 209; p. 916.
 Robinson, Mitchell, Detroit, Mich. Auxiliary keyboard for pianos. No. 1,092,291; Apr. 7; Gaz. vol. 201; p. 59.
 Robinson, Philip J., Leominster, Mass. Calipers. No. 1,109,467; Sept. 1; Gaz. vol. 206; p. 215.
 Robinson, R. P., et al. (See Connor, George W., assignor.)
 Robinson, Ray D., Los Angeles, Cal. Orthodontic appliance. No. 1,114,291; Oct. 20; Gaz. vol. 207; p. 741.
 Robinson, Robert B. (See Bates, Eddo V., assignor.)
 Robinson, Robert B., Kansas City, Mo. Retaining device for demountable rims. No. 1,106,890; Aug. 11; Gaz. vol. 205; p. 500.
 Robinson, Theodore D., Lockport, N. Y. Water-radiator. No. 1,086,403; Feb. 10; Gaz. vol. 199; p. 332.
 Robinson, Thomas. (See Turner and Robinson.)
 Robinson, Thomas A. (See Fleming and Robinson.)
 Robinson, Thomas N., Mechanicsville, N. Y. Track-clamp. No. 1,114,526; Oct. 20; Gaz. vol. 207; p. 825.
 Robinson, Thomas S., et al. (See Ames, Joel, assignor.)
 Robinson, Ulysses G., Belgrade, Nebr. Calculating-machine. No. 1,118,950; Dec. 1; Gaz. vol. 209; p. 16.
 Robinson, Viola W., Union Springs, Ala. Luggage cycle or carrier. No. 1,120,541; Dec. 8; Gaz. vol. 209; p. 606.
 Robinson, Willard E. (See Chase, Confucius and W. A., assignors.)
 Robinson, William, Brooklyn, N. Y. Bicycle. (Reissue.) No. 13,690; Feb. 17; Gaz. vol. 199; p. 908.
 Robinson, William C., Pittsburgh, Pa. Manufacturing tubular conduits. No. 1,111,806; Sept. 29; Gaz. vol. 206; p. 1199.
 Robinson, William G. (See Alexander and Robinson.)
 Robinson, William H., Paris, Ky. Mechanical book. No. 1,090,502; Mar. 17; Gaz. vol. 200; p. 720.
 Robinson, William J., Honolulu, Hawaii. Combination measuring instrument. No. 1,083,376; Jan. 6; Gaz. vol. 198; p. 39.
 Robinson, William O., Chestnut Hill, Pa. Game apparatus. No. 1,098,641; June 2; Gaz. vol. 203; p. 98.
 Robinson, William V., Detroit, Mich. Hot-water tank for ranges. No. 1,087,984; Feb. 24; Gaz. vol. 199; p. 980.
 Robinson, William V., Detroit, Mich. Grinding or polishing machine. No. 1,114,809; Oct. 27; Gaz. vol. 207; p. 974.
 Robischn, Herbert. (See Robischn, Michael F., assignor.)
 Robischn, Michael F., assignor of two-fifths to H. Robischn, Utica, N. Y. Union undergarment. No. 1,105,701; Aug. 4; Gaz. vol. 205; p. 40.
 Robison, Edward J., Chillicothe, Mo. Bedstead. No. 1,102,956; July 7; Gaz. vol. 204; p. 254.
 Robison, Frank W., Dolton, Ill. Sanitary chalk-trough screen. No. 1,097,468; May 19; Gaz. vol. 202; p. 865.
 Robison, Rolland J., Romulus, Okla. Telephone cut-off. No. 1,089,673; Mar. 10; Gaz. vol. 200; p. 391.
 Robison, Thomas S., et al. (See Ames, Joel, assignor.)
 Roblin, Edwin, Toledo, Ohio. Brake for automobile-trucks. No. 1,103,540; July 14; Gaz. vol. 204; p. 503.
 Robnett, John D., Chicago, Ill. Horseshoe. No. 1,111,861; Sept. 29; Gaz. vol. 206; p. 1219.
 Robt. Holmes & Bros. (See Holmes, Robert T., assignor.)
 Roby, James J., Cleveland, Ohio. Mine-car. No. 1,087,318; Feb. 17; Gaz. vol. 199; p. 701.
 Roby, John A., Detroit, Mich. Rain-signal. No. 1,123,012; Dec. 29; Gaz. vol. 209; p. 1590.
 Roche, Frederick F., Lincoln, assignor to Manville Company, Providence, R. I. Swivel-loom. No. 1,087,462; Feb. 17; Gaz. vol. 199; p. 753.
 Roche, Frederick F., Lincoln, assignor to Manville Company, Providence, R. I. Swivel-loom. No. 1,087,463; Feb. 17; Gaz. vol. 199; p. 753.
 Roche, Jean, New York, N. Y. Aeroplane. No. 1,083,464; Jan. 6; Gaz. vol. 198; p. 69.
 Roche, Maurice J., Jersey City, assignor of one-half to J. A. Hartpence, Trenton, N. J. Vestibule-car curtain-holder. No. 1,097,469; May 19; Gaz. vol. 202; p. 865.
 Roche, Percy W. D. (See Roche, Thomas and P. W. D.)
 Roche, Thomas and P. W. D., Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Contouring device for sheet material. No. 1,102,082; June 30; Gaz. vol. 203; p. 1465.
 Roche, William J., Meadville, assignor of one-half to C. S. Minium, Cochran, Pa. Coaster-sled. No. 1,116,487; Nov. 10; Gaz. vol. 208; p. 390.
 Rochel, Ken E., Galveston, Tex. Rail. No. 1,114,527; Oct. 20; Gaz. vol. 207; p. 825.
 Rochelle, Joseph B., New Orleans, La. Water-motor. No. 1,085,703; Feb. 3; Gaz. vol. 199; p. 43.
 Rochester Photo Press. (See Yauck, Edwin C., assignor.)
 Rochester Stamping Company et al. (See Foss, Benjamin F., assignor.)
 Rochester Stamping Company. (See Swan, Alfred H. S., assignor.)
 Rochford, Michael, Chicago, Ill. Caster-stop. No. 1,101,883; June 30; Gaz. vol. 203; p. 1394.
 Rochow, Gesellschaft mit beschränkter Haftung, G. (See Wolff, Berthold, assignor.)
 Rochte, Charlotte M., Chicago, Ill. Child's waist. No. 1,115,577; Nov. 3; Gaz. vol. 208; p. 37.
 Rock, Charles S. C., New York, N. Y. Waste and vent system. No. 1,086,938; Feb. 10; Gaz. vol. 199; p. 519.
 Rock, Daniel B., Fairfield, Pa. Spout-guard and strainer. No. 1,118,235; Nov. 24; Gaz. vol. 208; p. 1084.
 Rock, Darrel D., Detroit, Mich. Valve-operating mechanism. No. 1,096,955; May 19; Gaz. vol. 202; p. 687.
 Rock Island Plow Company. (See Heylman, Edward M., assignor.)
 Rock Island Plow Company. (See Johnson and Pennock, assignors.)
 Rock Island Plow Company. (See Tedell, John, assignor.)
 Roche, John, Pontiac, Ill. Gearing for washing-machines. No. 1,097,049; May 19; Gaz. vol. 202; p. 719.
 Rockey, Franklin L. (See Bruton, George, assignor.)
 Rockey, Walter S., West New Brighton, H. Eldridge, Stapleton, and C. D. Clark, assignors to Metallurgical Research Company, New York, N. Y. Furnace for melting and refining copper. No. 1,119,540; Dec. 1; Gaz. vol. 209; p. 222.
 Rockford Drilling Machine Company. (See Milne, Robert, assignor.)
 Rockford Sprinkler Company of Massachusetts. (See Carlson, Hjalmar G., assignor.)
 Rockman, Samuel, New York, N. Y. Overhead feed device. No. 1,122,645; Dec. 29; Gaz. vol. 209; p. 1460.
 Rockman, Soren C., Philadelphia, Pa. Self-heating gas-iron. No. 1,083,339; Jan. 6; Gaz. vol. 198; p. 27.
 Rockstroh, Max, Klein Sedlitz, near Pirna, Germany. Safety device for platen printing-presses. No. 1,093,079; Apr. 14; Gaz. vol. 201; p. 362.
 Rockstroh, Max, Klein Sedlitz, near Pirna, Germany. Platen printing-press. No. 1,118,054; Nov. 24; Gaz. vol. 208; p. 1022.
 Rockstroh, Max, Klein Sedlitz, near Pirna, Germany. Platen printing-press. No. 1,118,055; Nov. 24; Gaz. vol. 208; p. 1023.

Alphabetical list of patentees—Continued.

- Rockwell, Albert F., assignor to The New Departure Manufacturing Company, Bristol, Conn. Casting. No. 1,095,230; May 5; Gaz. vol. 202; p. 20.
- Rockwell, Albert F., assignor to The New Departure Manufacturing Company, Bristol, Conn. Apparatus for casting. No. 1,095,523; May 5; Gaz. vol. 202; p. 121.
- Rockwell, Albert F., assignor to The New Departure Manufacturing Company, Bristol, Conn. Antifriction-bearing. No. 1,102,547; July 7; Gaz. vol. 204; p. 114.
- Rockwell, Byrd C., Camden, Ark. Panel. No. 1,085,358; Jan. 27; Gaz. vol. 198; p. 800.
- Rockwell, Byrd C., Malvern, Ark. Corner-fastening for screen-frames. No. 1,089,499; Mar. 10; Gaz. vol. 200; p. 331.
- Rockwell, Byrd C., Camden, Ark. Container. No. 1,089,586; Mar. 10; Gaz. vol. 200; p. 361.
- Rockwell, Byrd C., Camden, Ark. Combined hanger and lift. No. 1,114,810; Oct. 27; Gaz. vol. 207; p. 975.
- Rockwell, Charles L., Jersey City, N. J. Writing-pad holder and cover. No. 1,106,891; Aug. 11; Gaz. vol. 205; p. 500.
- Rockwell, Fred P., Albert Lea, Minn. Slip-folder. No. 1,104,276; July 21; Gaz. vol. 204; p. 799.
- Rockwell Furnace Company. (See Garrett, Frank S., assignor.)
- Rockwell Furnace Company. (See Moyer, Albert W., assignor.)
- Rockwell, R. R. (See Brace, Willard E., assignor.)
- Rockwell, Walter S., New York, N. Y. Furnace preheater and shield. No. 1,101,961; June 30; Gaz. vol. 203; p. 1422.
- Rockwell, Walter S., assignor to W. S. Rockwell Company, New York, N. Y. Preheater and furnace-shield. (Re-issue.) No. 13,713; Apr. 14; Gaz. vol. 201; p. 533.
- Rockwood, George I., Worcester, Mass. Fusible link. No. 1,084,710; Jan. 20; Gaz. vol. 198; p. 542.
- Rockwood, George I., Worcester, Mass. Casing for alarm devices. No. 1,114,528; Oct. 20; Gaz. vol. 207; p. 825.
- Rockwood, George I., Worcester, Mass. Apparatus for operating alarms or other devices. No. 1,116,328; Nov. 3; Gaz. vol. 208; p. 293.
- Rockwood Sprinkler Company of Massachusetts. (See Carlson, Hjalmar G., assignor.)
- Rodda, Horace W., London, England. Machine for washing plates. No. 1,104,139; July 21; Gaz. vol. 204; p. 753.
- Rodden, Richard M., Montreal, Quebec, Canada. Collar. No. 1,102,440; July 7; Gaz. vol. 204; p. 77.
- Rodden, Richard M., Montreal, Quebec, Canada. Collar. No. 1,107,359; Aug. 18; Gaz. vol. 205; p. 711.
- Rodden, Richard M., Montreal, Quebec, Canada. Collar. No. 1,116,488; Nov. 10; Gaz. vol. 208; p. 390.
- Roddie, Eugene C. (See Lange and Roddie.)
- Rodefelf, William H., Richmond, Ind. Apparatus for transmitting power and changing speed. No. 1,117,445; Nov. 17; Gaz. vol. 208; p. 769.
- Rodefelf, William H., Richmond, Ind. Power-transmitting apparatus. No. 1,117,446; Nov. 17; Gaz. vol. 208; p. 769.
- Rodell, Edwin H., Cumings, N. D. Tooth-brush. No. 1,112,561; Oct. 6; Gaz. vol. 207; p. 53.
- Roden, Newton A., Jonesboro, La. Attachment for plows. No. 1,107,628; Aug. 18; Gaz. vol. 205; p. 808.
- Roderick, Charles H. (See Griffiths and Roderick.)
- Roderick, Harry L., Oroville, Cal. Sectional mud-guard for motor-cycles. No. 1,112,478; Oct. 6; Gaz. vol. 207; p. 22.
- Roderick Lean Manufacturing Company. (See Warne, Frederick C., assignor.)
- Roderick, Thomas, Columbus, Ohio. Valve. No. 1,120,975; Dec. 15; Gaz. vol. 209; p. 805.
- Rodes, Josie W., University, Va. Telephone-stand. No. 1,084,966; Jan. 20; Gaz. vol. 198; p. 627.
- Rodger Ballast Car Company. (See Cameron, Fred C., assignor.)
- Rodger Ballast Car Company. (See Hopkins, Frank H., assignor.)
- Rodger Ballast Car Company. (See Nelkirk, John O., assignor.)
- Rodger Ballast Car Company. (See Yost, Winfield H., assignor.)
- Rodgers, Charles E., Shepherdsville, Ky. Cultivator. No. 1,102,957; July 7; Gaz. vol. 204; p. 254.
- Rodgers, Daniel C., Canton, Ohio. Rail-protector. No. 1,102,083; June 30; Gaz. vol. 203; p. 1466.
- Rodgers, James D., Georgetown, Ky. Farm-gate. No. 1,119,316; Dec. 1; Gaz. vol. 209; p. 143.
- Rodgers, Louis E., Chicago, Ill. Apparatus for drying products of clay or the like. No. 1,103,435; July 14; Gaz. vol. 204; p. 467.
- Rodgers, Mae N. (See Atherton and Rodgers.)
- Rodgers, William, Hamilton, Ontario, Canada. Electric generator or motor. No. 1,093,650; Apr. 21; Gaz. vol. 201; p. 596.
- Rodiger, William, Chicago, Ill. Fountain-pen filler. No. 1,109,249; Sept. 1; Gaz. vol. 206; p. 140.
- Rodormer, George W. (See Cook and Rodormer.)
- Rodway, Alfred R. (See Brown, Edward L., assignor.)
- Rodwick, Ernest C., Ukiah, Cal. Muffler. No. 1,110,512; Sept. 15; Gaz. vol. 206; p. 669.
- Roe, Chester M., Jersey City, N. J. Switch-indicator. No. 1,088,454; Feb. 24; Gaz. vol. 199; p. 1139.
- Roe, Jackson M., assignor of one-half to J. Alexander, Sunnyside, Wash. Automatic train-stopping apparatus. No. 1,089,267; Mar. 3; Gaz. vol. 200; p. 203.
- Roe, Nathaniel, Patchogue, N. Y. Tape-reel. No. 1,110,994; Sept. 15; Gaz. vol. 206; p. 836.
- Roe, William C., assignor to Knox Pressed & Welded Steel Company, Pittsburgh, Pa. Reversing mechanism for regenerative reversing-furnaces. No. 1,096,197; May 12; Gaz. vol. 202; p. 383.
- Roe, William H., Baltimore, Md. Corn-harvester. No. 1,095,030; Apr. 28; Gaz. vol. 201; p. 1127.
- Roebing Construction Company, The. (See Scammell, Charles H., assignor.)
- Roebuck, Alvah C., assignor to The Enterprise Optical Mfg. Company, Chicago, Ill. Arc-lamp. No. 1,120,086; Dec. 8; Gaz. vol. 209; p. 443.
- Roebuck, Clayton A. (See Roebuck, Harry J. and C. A.)
- Roebuck, Harry J. and C. A., Troy, N. Y. Extension-step. No. 1,118,584; Nov. 24; Gaz. vol. 208; p. 1209.
- Roebuck, John H., Chicago, Ill. Attachment for horse-shoes. No. 1,089,870; Mar. 10; Gaz. vol. 200; p. 457.
- Roecker, William J., Three Lakes, Wis. Sleigh. No. 1,105,536; July 28; Gaz. vol. 204; p. 1289.
- Roedding, Edward B. (See Roedding, Gordon E. and E. B.)
- Roedding, Gordon E. and E. B., Detroit, Mich. Ticket-holder. No. 1,113,373; Oct. 13; Gaz. vol. 207; p. 379.
- Roedel, Arthur J., Cincinnati, Ohio. Wrapping-machine. No. 1,107,360; Aug. 18; Gaz. vol. 205; p. 711.
- Roedel, John, Defiance, Ohio. Auto-trailer connector. No. 1,118,236; Nov. 24; Gaz. vol. 208; p. 1084.
- Roeder, Albert J., et al. (See Roeder, Henry W. A., assignor.)
- Roeder, Charles E., et al. (See Roeder, Henry W. A., assignor.)
- Roeder, Henry W. A., assignor of one-fourth to A. J. Roeder and one-fourth to C. E. Roeder, Oshkosh, Wis. Adjustable hanger. No. 1,092,815; Apr. 7; Gaz. vol. 201; p. 237.
- Roehr, Arthur, New York, N. Y. Apparatus for gymnastic performances. No. 1,111,970; Sept. 29; Gaz. vol. 206; p. 1254.
- Roehrig, Charles W., St. Louis, Mo. Instrument for laying out arcs of circles. No. 1,091,246; Mar. 24; Gaz. vol. 200; p. 1006.
- Roehrich, Frank N. (See Carroll and Roehrich.)
- Roehrich, Frank N., Jersey City, N. J., assignor to G. P. Carroll, Bridgeport, Conn. Diaphragm and casing construction. No. 1,097,595; May 19; Gaz. vol. 202; p. 908.
- Roelker, Hugo B. (See Klein, Mathias J., assignor.)
- Roemer, George W. (See Sipchen, Roemer, and Priester.)
- Roemer, Joseph, Santa Maria, Cal. Grain-drill. No. 1,120,087; Dec. 8; Gaz. vol. 209; p. 443.
- Roenius, Otto R., and W. F. Gleue, Grand Rapids, Mich. Means for facilitating the marking of button positions on shoes. No. 1,112,096; Sept. 29; Gaz. vol. 206; p. 1296.
- Roentgen Manufacturing Company. (See Snook and Kelly, assignors.)
- Roerig, Peter, Kranzburg, S. D. Tongue-truck. No. 1,108,790; Aug. 25; Gaz. vol. 205; p. 1257.
- Roesch, Alfred. (See Witham and Roesch.)
- Roose, Herman, Jr., Syracuse, N. Y. Shoe. No. 1,117,246; Nov. 17; Gaz. vol. 208; p. 699.
- Roesel, Frederick V., and C. H. Franks, Akron, Ohio. Core for resilient wheel-tires. No. 1,113,912; Oct. 13; Gaz. vol. 207; p. 566.
- Roesen, Oscar, assignor to R. Hoe and Co., New York, N. Y. Multicolor-printing press. No. 1,085,224; Jan. 27; Gaz. vol. 198; p. 752.
- Roesener, Adolph P., New York, N. Y. Exhibiting apparatus. No. 1,087,889; Feb. 17; Gaz. vol. 199; p. 898.
- Roessler, Amandus C., Mineola, N. Y. Vacuum-pump. No. 1,114,046; Oct. 20; Gaz. vol. 207; p. 651.
- Roessler & Hasslacher Chemical Co., The. (See Carveth, Hector R., assignor.)
- Roessler & Hasslacher Chemical Co., The. (See Zwingerberger, Otto K., assignor.)
- Roessler & Hasslacher Chemical Company. (See Lacy, Burritt S., assignor.)
- Roessler & Hasslacher Chemical Company. (See Liebknecht, Otto, assignor.)
- Roessler & Hasslacher Chemical Company, The. (See Schaidhauf, Alois, assignor.)
- Roethe, Albert L., Milwaukee, Wis. Graphophone and gramophone sound-box. No. 1,113,911; Oct. 13; Gaz. vol. 207; p. 566.
- Roettger, Edmund F., Rochelle, La. Steam-feed valve. No. 1,119,640; Dec. 1; Gaz. vol. 209; p. 255.
- Roever, Julius, New York, N. Y. Record-holder. No. 1,094,476; Apr. 28; Gaz. vol. 201; p. 933.
- Roff, Frank E., Richfield Springs, N. Y. Fire apparatus. No. 1,094,252; Apr. 21; Gaz. vol. 201; p. 798.
- Röger, Karl, Berlin, Germany, assignor to Linotype and Machinery Limited, London, England. Device for wiping the printing-surfaces of intaglio-printing presses. No. 1,102,548; July 7; Gaz. vol. 204; p. 114.

Alphabetical list of patentees—Continued.

- Röger, Karl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,105,702; Aug. 4; Gaz. vol. 205; p. 40.
- Rogers, Arthur R., Jonesport, Me. Selective transmission mechanism. No. 1,109,305; Sept. 1; Gaz. vol. 206; p. 158.
- Rogers, Charles E., Detroit, Mich. Pasteurizing milk or cream. No. 1,095,231; May 5; Gaz. vol. 202; p. 20.
- Rogers, Charles E., Adams, Oreg. Clip. No. 1,117,094; Nov. 10; Gaz. vol. 208; p. 606.
- Rogers, Clarence B., Seattle, Wash. Automatic regulating-valve. No. 1,087,890; Feb. 17; Gaz. vol. 199; p. 898.
- Rogers, Clarence C., Wheeling, W. Va. Explosive-engine. No. 1,091,766; Mar. 31; Gaz. vol. 200; p. 1224.
- Rogers, Clarence T., New York, N. Y. Door-check. No. 1,090,879; Mar. 24; Gaz. vol. 200; p. 878.
- Rogers, Edmund, Glenville, Conn. Signaling device. No. 1,106,973; Aug. 11; Gaz. vol. 205; p. 529.
- Rogers Electric Laboratories Company, The. (See Rogers, George D., assignor.)
- Rogers, Elwood C. (See Longfellow and Rogers.)
- Rogers, Emily O. (See Rogers, J. S., assignor.)
- Rogers, Everett I., Providence, R. I. Collar-button. No. 1,119,989; Dec. 8; Gaz. vol. 209; p. 410.
- Rogers, Francis M., and T. S. Cooke, assignors to Standard Oil Company, Whiting, Ind. Means for controlling still-pressure in gasoline manufacture. No. 1,122,220; Dec. 22; Gaz. vol. 209; p. 1274.
- Rogers, Frank M., assignor of one-third to J. E. Nicholson and one-third to C. C. Cox, Seattle, Wash. Burial structure. No. 1,096,758; May 12; Gaz. vol. 202; p. 574.
- Rogers, George D., Cleveland, Ohio. High-tension discharge apparatus. No. 1,092,398; Apr. 7; Gaz. vol. 201; p. 94.
- Rogers, George D., assignor to The Rogers Electric Laboratories Company, Cleveland, Ohio. Induction-coil. No. 1,119,119; Dec. 1; Gaz. vol. 209; p. 77.
- Rogers, George P., Atlantic City, N. J. Clothes-washer. No. 1,102,958; July 7; Gaz. vol. 204; p. 255.
- Rogers, George W. (See Hill, Joshua A., assignor.)
- Rogers, Granville C., La Crosse, Wis. Tumbler-washer. No. 1,087,260; Feb. 17; Gaz. vol. 199; p. 682.
- Rogers, Harrison W. (See Ebeling, Charles W., assignor.)
- Rogers, Harrison W., New York, N. Y. Sound-recording apparatus. No. 1,119,317; Dec. 1; Gaz. vol. 209; p. 143.
- Rogers, Harrison W., assignor of one-half to C. W. Ebeling, Wheeling, W. Va. Stylus-guiding attachment for sound-records. No. 1,112,838; Oct. 6; Gaz. vol. 207; p. 149.
- Rogers, Helen P., administratrix. (See Norcross, Solomon, and Rogers.)
- Rogers, Herbert D., Lewistown, Ill. Bee-escape. No. 1,089,157; Mar. 3; Gaz. vol. 200; p. 169.
- Rogers, J. S., New York, N. Y., assignor to E. O. Rogers. Apparatus for burning fuel. No. 1,113,579; Oct. 13; Gaz. vol. 207; p. 451.
- Rogers, James B., and H. L. Collett, Kirksville, Mo. Tire-pump. No. 1,119,990; Dec. 8; Gaz. vol. 209; p. 411.
- Rogers, James C., Grayson, Ga. Carbureter. No. 1,111,763; Sept. 29; Gaz. vol. 206; p. 1182.
- Rogers, James O., and W. H. Nevin, Denver, Colo. Air-compressor. No. 1,117,911; Nov. 17; Gaz. vol. 208; p. 931.
- Rogers, John, assignor to J. G. McKenna, Madison, Wis. Automatic lock for switches. No. 1,119,641; Dec. 1; Gaz. vol. 209; p. 255.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,086,620; Feb. 10; Gaz. vol. 199; p. 409.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,087,139; Feb. 17; Gaz. vol. 199; p. 638.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,087,140; Feb. 17; Gaz. vol. 199; p. 638.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,088,728; Mar. 3; Gaz. vol. 200; p. 20.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,088,729; Mar. 3; Gaz. vol. 200; p. 20.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,088,730; Mar. 3; Gaz. vol. 200; p. 21.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,088,933; Mar. 3; Gaz. vol. 200; p. 90.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,088,934; Mar. 3; Gaz. vol. 200; p. 90.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,109,872; Sept. 8; Gaz. vol. 206; p. 399.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,111,096; Sept. 22; Gaz. vol. 206; p. 915.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,111,097; Sept. 22; Gaz. vol. 206; p. 916.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Type or matrix. No. 1,111,098; Sept. 22; Gaz. vol. 206; p. 916.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,115,108; Oct. 27; Gaz. vol. 207; p. 1082.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,115,109; Oct. 27; Gaz. vol. 207; p. 1082.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,115,110; Oct. 27; Gaz. vol. 207; p. 1082.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,115,111; Oct. 27; Gaz. vol. 207; p. 1083.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,116,489; Nov. 10; Gaz. vol. 208; p. 390.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,122,538; Dec. 29; Gaz. vol. 209; p. 1422.
- Rogers, Joseph W., Woodbury, N. J., assignor of one-half to N. Shute, Philadelphia, Pa. Insulating and supporting mechanism. No. 1,090,234; Mar. 17; Gaz. vol. 200; p. 625.
- Rogers, Karl C., Beaumont, Tex. Piano-key bushing. No. 1,108,791; Aug. 25; Gaz. vol. 205; p. 1257.
- Rogers, Lebbeus H., New York, N. Y. Rotary pump. No. 1,090,235; Mar. 17; Gaz. vol. 200; p. 625.
- Rogers, Lewis L., and A. C. Robbins, Orange, Mass.; said Robbins assignor to said Rogers. Sheet-gage for printing-presses. No. 1,095,125; Apr. 28; Gaz. vol. 201; p. 1158.
- Rogers, Lewis L., and A. C. Robbins, Orange, Mass.; said Robbins assignor to said Rogers. Sheet-gage for printing-presses. No. 1,095,126; Apr. 28; Gaz. vol. 201; p. 1158.
- Rogers, Lonzo B., Brinkley, Ark. Trap. No. 1,105,458; July 28; Gaz. vol. 204; p. 1263.
- Rogers, Marshall C., Williams, Cal. Fastener for collapsible-crate covers. No. 1,117,520; Nov. 17; Gaz. vol. 208; p. 795.
- Rogers, Nathaniel J., Tuscaloosa, Ala., assignor of one-half to J. T. Newby, Jackson, Tenn. Packing-guard for journal-boxes. No. 1,090,414; Mar. 17; Gaz. vol. 200; p. 689.
- Rogers, Nathaniel J., Tuscaloosa, Ala. Packing-guard for journal-boxes. No. 1,113,050; Oct. 6; Gaz. vol. 207; p. 220.
- Rogers, Ralph F., Chicago, Ill. Removable seat structure. No. 1,103,315; July 14; Gaz. vol. 204; p. 427.
- Rogers, Ralph F., Chicago, Ill. Motor-cycle side-car frame. No. 1,118,445; Nov. 24; Gaz. vol. 208; p. 1160.
- Rogers, Robert F., New York, N. Y., assignor, by mesne assignments, to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Device for securing parts to shafts, &c. No. 1,116,845; Nov. 10; Gaz. vol. 208; p. 520.
- Rogers, Solomon, assignor of one-fourth to W. Buford, Chattanooga, Tenn. Automatic train-stop. No. 1,123,013; Dec. 29; Gaz. vol. 209; p. 1591.
- Rogers, Thomas H., Lexington, Mass. Collapsible bed-hammock. No. 1,101,962; June 30; Gaz. vol. 203; p. 1423.
- Rogers, Ulysses G., Chicago, Ill. Retainer for ball-bearings. No. 1,117,247; Nov. 17; Gaz. vol. 208; p. 699.
- Rogers, Walter B., Knoxville, Tenn. Track-sander. No. 1,088,935; Mar. 3; Gaz. vol. 200; p. 91.
- Rogers, William, New Bedford, Mass. Combination hook and lock. No. 1,120,542; Dec. 8; Gaz. vol. 209; p. 606.
- Rogers, William B., Lucas, Kans. Coach-step and operating mechanism. No. 1,114,915; Oct. 27; Gaz. vol. 207; p. 1013.
- Rogers, William C., Piqua, Ohio. Implement-handle. No. 1,116,739; Nov. 10; Gaz. vol. 208; p. 481.
- Rogers, William H. (See Norcross, Solomon, and Rogers.)
- Rogers, William H., Batavia, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,092,171; Apr. 7; Gaz. vol. 201; p. 16.
- Rogers, William H., Batavia, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,099,470; June 9; Gaz. vol. 203; p. 421.
- Rogers, Winfield S., assignor of one-half to N. M. Scott, Bantam, Conn. Metal-cooling bath. No. 1,086,621; Feb. 10; Gaz. vol. 199; p. 410.
- Rogers, Winfield S., assignor of one-half to N. M. Scott, Bantam, Conn. Reheating-furnace. No. 1,100,782; June 23; Gaz. vol. 203; p. 961.
- Rogerson, Thomas B., Tollcross, Glasgow, Scotland. Regenerative open-hearth furnace. No. 1,104,448; July 21; Gaz. vol. 204; p. 859.
- Rogerson, Thomas B., Tollcross, assignor to The Clyde Furnace Company ("B") Limited, Glasgow, Scotland. Blast-furnace for the smelting of iron and other ores. No. 1,099,666; June 9; Gaz. vol. 203; p. 488.
- Rogginger, John, Kankakee, assignor to Paramount Knitting Company, Chicago, Ill. Hosiery-form. No. 1,091,247; Mar. 24; Gaz. vol. 200; p. 1006.

Alphabetical list of patentees—Continued.

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- Rogness, Helge U., Sioux Falls, S. D. Automobile-frame. No. 1,116,123; Nov. 3; Gaz. vol. 208; p. 225.
- Rohbeck, August, Bellingham, Wash. Wind-operated indicating device. No. 1,116,846; Nov. 10; Gaz. vol. 208; p. 523.
- Rohde, Albert. (See Hauptmann and Rohde.)
- Rohe, Postman. (See Rohe, Samuel, F., and L. H. F.)
- Rohe, Joseph C., assignor of one-half to J. P. Curry, Danville, Ill. Throttle-valve. No. 1,108,239; Aug. 25; Gaz. vol. 205; p. 1068.
- Rohe, Louis H. F. (See Rohe, Samuel, F., and L. H. F.)
- Rohe, Samuel, F., and L. H. F., Kenmare, N. D. Extracting traction-wheels from holes. No. 1,121,869; Dec. 22; Gaz. vol. 209; p. 1155.
- Rohkohl, Wilhelm, Potsdam, Germany, assignor to General Electric Company. Trolley. No. 1,099,618; June 9; Gaz. vol. 203; p. 471.
- Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Hopper-ore-car construction. No. 1,097,945; May 26; Gaz. vol. 202; p. 1078.
- Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Hopper-car-door-operating mechanism. No. 1,109,598; Sept. 1; Gaz. vol. 206; p. 259.
- Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Railway-car end construction. No. 1,109,599; Sept. 1; Gaz. vol. 206; p. 260.
- Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Hopper-car with articulated truck. No. 1,109,600; Sept. 1; Gaz. vol. 206; p. 260.
- Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Folding stake-pocket. No. 1,123,143; Dec. 29; Gaz. vol. 209; p. 1636.
- Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Folding stake-pocket. No. 1,123,144; Dec. 29; Gaz. vol. 209; p. 1637.
- Röhm, Otto, Darmstadt, Germany. Disinfecting hides and skins in the manufacture of leather. No. 1,083,300; Jan. 6; Gaz. vol. 198; p. 14.
- Röhm, Otto, Darmstadt, Germany. Manufacture of leather. No. 1,117,912; Nov. 17; Gaz. vol. 208; p. 932.
- Röhm, Otto, Darmstadt, Germany. Making caoutchouc substitute. No. 1,121,134; Dec. 15; Gaz. vol. 209; p. 864.
- Rohmer, Gabriel E. (See Booraem and Rohmer.)
- Rohmer, Gabriel E., Woodside, N. Y. Anchor. No. 1,120,412; Dec. 8; Gaz. vol. 209; p. 560.
- Rohmer, Gabriel E., Pelham, assignor, by mesne assignments, to Cinch Expansion Bolt & Engineering Company, New York, N. Y. Lead-packed anchor device. No. 1,120,411; Dec. 8; Gaz. vol. 209; p. 559.
- Rohmer, Gabriel E., Elmhurst, assignor, by mesne assignments, to Cinch Expansion Bolt & Engineering Company, New York, N. Y. Expansion-bolt. No. 1,120,657; Dec. 8; Gaz. vol. 209; p. 647.
- Rohmer, Gabriel E., Woodside, and J. F. Booraem, New York, N. Y., assignors to The Booraem & Rohmer Patent Company. Expansion-bolt. No. 1,120,408; Dec. 8; Gaz. vol. 209; p. 558.
- Rohmer, Gabriel E., Woodside, and J. F. Booraem, assignors, by mesne assignments, to Cinch Expansion Bolt & Engineering Company, New York, N. Y. Anchoring. No. 1,120,410; Dec. 8; Gaz. vol. 209; p. 559.
- Rohmer, Gabriel E., Woodside, N. Y., J. F. Booraem, Greenwich, Conn., and R. Morley, Brooklyn, N. Y., assignors to The Booraem & Rohmer Patent Company. Expansion-bolt. No. 1,120,409; Dec. 8; Gaz. vol. 209; p. 559.
- Rohmer, Martin, Gersthofen, near Augsburg, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Producing nitrogen simultaneously with oxids of nitrogen. No. 1,096,392; May 12; Gaz. vol. 202; p. 451.
- Rohmer, Martin, Gersthofen, near Augsburg, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Producing nitrogen simultaneously with oxids of nitrogen. No. 1,096,393; May 12; Gaz. vol. 202; p. 451.
- Rohr, Moritz von, assignor to Firm of C. Zeiss, Jena, Germany. Magnifying-glass. No. 1,092,861; Apr. 14; Gaz. vol. 201; p. 289.
- Rohr, Otto P., Seattle, Wash. Hydraulic motor and the like. No. 1,100,914; June 23; Gaz. vol. 203; p. 1009.
- Rohrer, Josiah H., Philadelphia, Pa. Safety starting-crank. No. 1,104,323; July 21; Gaz. vol. 204; p. 816.
- Rohrer, Oscar A., and B. Reinbach, Waverly, Ill. Blade-sharpener. No. 1,115,025; Oct. 27; Gaz. vol. 207; p. 1052.
- Rohrer, William L. (See Lee, Charles F., assignor.)
- Rohrer, William L. (See Rimmer, Plymire, and Wills, assignors.)
- Rohrig, George W. (See Seiss and Rohrig.)
- Roitman, Nathan, St. Louis, Mo. Toy. No. 1,092,862; Apr. 14; Gaz. vol. 201; p. 289.
- Roitzeim, Alex, Düren, Germany. Recovery of zinc from its ores. No. 1,100,490; June 16; Gaz. vol. 203; p. 809.
- Roitzeim, Alexander, Duisburg-Ruhrort, Germany. Muffle for reduction-furnaces. No. 1,086,939; Feb. 10; Gaz. vol. 199; p. 520.
- Rojahn, Karl, assignor to Amme Giesecke & Konegen, Aktiengesellschaft, Brunswick, Germany. Mechanism for driving sieves. No. 1,116,124; Nov. 3; Gaz. vol. 208; p. 226.
- Roland, Arthur M., assignor of two-fifths to A. Newhouse, San Francisco, Cal. Rotary fountain-brush. No. 1,108,475; Aug. 25; Gaz. vol. 205; p. 1150.
- Roland, Ralph S., and W. W. McDade, Wildorado, Tex. Wire-stretcher and wrench combined. No. 1,122,161; Dec. 22; Gaz. vol. 209; p. 1254.
- Rolff, Edward F., Sacramento, Cal. Non-puncturable pneumatic tire. No. 1,083,562; Jan. 6; Gaz. vol. 198; p. 100.
- Rolfson-Schmidt, Sven, Huntington, N. Y. Door-spring. No. 1,084,111; Jan. 13; Gaz. vol. 198; p. 313.
- Rolka, Ignatius B., Niagara Falls, N. Y. Lock-nut. No. 1,093,474; Apr. 14; Gaz. vol. 201; p. 495.
- Roll Fabric Company. (See Kempshall, Eleazer, assignor.)
- Rolland, Frederick W., assignor to H. Goetz, Chicago, Ill. Feeder for check-controlled apparatus. No. 1,111,764; Sept. 29; Gaz. vol. 206; p. 1182.
- Rolland, Jean P., and P. A. Maucière, Paris, France. Apparatus for storing and distributing inflammable liquids. No. 1,097,470; May 19; Gaz. vol. 202; p. 866.
- Rolle, Karl, assignor to C. A. Becker, Newark, N. J. Wire-coiling machine. No. 1,097,769; May 26; Gaz. vol. 202; p. 1015.
- Roller, Alice, New York, N. Y. Spool thread-guide and binder. No. 1,088,731; Mar. 3; Gaz. vol. 200; p. 21.
- Roller Electric Company. (See Roller, Ephraim M., assignor.)
- Roller, Ephraim M., Pendleton, assignor to Roller Electric Company, Anderson, Ind. Machine for opening signatures. No. 1,112,659; Oct. 6; Gaz. vol. 207; p. 89.
- Roller Smith Co. (See Scheeffer, Gustave A., assignor.)
- Rollins, George D. (See Langdon, James E., assignor.)
- Rollins, George D., Philadelphia, Pa. Hook and eye. No. 1,115,112; Oct. 27; Gaz. vol. 207; p. 1083.
- Rollins, George E., assignor to Rollins Heel Arch Company, Brockton, Mass. Innersole. No. 1,088,629; Feb. 24; Gaz. vol. 199; p. 1196.
- Rollins, George L., Fort Worth, Tex. Combined milking pail and stool. No. 1,095,232; May 5; Gaz. vol. 202; p. 20.
- Rollins, George L., Manchester, N. H. Channel-flap-turning machine. No. 1,120,335; Dec. 8; Gaz. vol. 209; p. 532.
- Rollins Heel Arch Company. (See Rollins, George E., assignor.)
- Rollins, Judge Q. A., New York, N. Y. Automatic stop for phonographs. No. 1,114,292; Oct. 20; Gaz. vol. 207; p. 741.
- Rollins, W. A. (See Beasley, Frank A., assignor.)
- Rollman, Michael A., assignor to New Standard Hardware Works, Mount Joy, Pa. Cherry-stoner. No. 1,091,442; Mar. 24; Gaz. vol. 200; p. 1067.
- Rolph, Benjamin R., Winnipeg, Manitoba, Canada. Oil-burner. No. 1,087,141; Feb. 17; Gaz. vol. 199; p. 638.
- Rolph, William M., London, England. Signaling apparatus for use with motor-driven vehicles. No. 1,121,870; Dec. 22; Gaz. vol. 209; p. 1155.
- Rolph, William T., Geneva, N. Y. Chicken-brooder. No. 1,098,531; June 2; Gaz. vol. 203; p. 61.
- Rolston, Walter F., assignor to Burson Manufacturing Company, Rockford, Ill. Knitting-machine. No. 1,090,119; Mar. 10; Gaz. vol. 200; p. 544.
- Romadka, Wesley J., South Bend, Ind. Dumping-wagon. No. 1,094,934; Apr. 28; Gaz. vol. 201; p. 1093.
- Romano, Jacques, Rochester, N. Y. Pocket-humidor. No. 1,088,369; Feb. 24; Gaz. vol. 199; p. 1111.
- Romans, Furman W., Baltimore, Md. Knockdown coop. No. 1,091,391; Mar. 24; Gaz. vol. 200; p. 1051.
- Rombaugh, Wilmer L., Rivera, Cal. Burglar-alarm device. No. 1,100,846; June 23; Gaz. vol. 203; p. 984.
- Romberg, Paul, Leipzig, Germany. Automatic barrel-treating machine. No. 1,121,871; Dec. 22; Gaz. vol. 209; p. 1155.
- Romberg, Paul, Leipzig, Germany. Barrel-brushing apparatus. No. 1,121,872; Dec. 22; Gaz. vol. 209; p. 1156.
- Romberger, Harry R., Greenwood, Miss. Car-seal. No. 1,084,112; Jan. 13; Gaz. vol. 198; p. 313.
- Rome Metallic Bedstead Company. (See Baulig, Anthony J., assignor.)
- Rome Sanitary Company. (See Hoffman, Andrew A., assignor.)
- Romeiser, Wilhelm, Waidmannslust, near Berlin, Germany. Differential gearing. No. 1,104,005; July 21; Gaz. vol. 204; p. 707.
- Romeyn, Jean, Brussels, Belgium. Reversing-gear for internal-combustion engines. No. 1,095,421; May 5; Gaz. vol. 202; p. 84.
- Romick, Elias L., Niles, Ohio. Cereal grinding and granulating mill. No. 1,115,245; Oct. 27; Gaz. vol. 207; p. 1130.
- Romine, Joseph B. (See Gilpin and Romine.)
- Rominger, Adolf, Gutfenberg, N. J. Embroidery-frame. No. 1,116,740; Nov. 10; Gaz. vol. 208; p. 482.
- Rommel, George. (See Strauss and Rommel.)
- Romo, Isidoro, and F. D. Ritter, Mexico, Mexico. Rail-fastener. No. 1,084,035; Jan. 13; Gaz. vol. 198; p. 288.
- Romünder, Hermann, Mishawaka, Ind. Shield for radiators. No. 1,091,084; Mar. 24; Gaz. vol. 200; p. 949.

Alphabetical list of patentees—Continued.

- Romünder, William, Milwaukee, Wis. Sash-fastener. No. 1,095,524; May 5; Gaz. vol. 202; p. 121.
- Rónay, Árpád, Berlin, Germany, assignor, by mesne assignments, to General Briquetting Co., New York, N. Y. Preliminarily treating mineral and metallic substances which are to be united by pressure. No. 1,087,183; Feb. 17; Gaz. vol. 199; p. 652.
- Rónay, Árpád, Berlin, Germany, assignor, by mesne assignments, to General Briquetting Co., New York, N. Y. Press. No. 1,099,667; June 9; Gaz. vol. 203; p. 488.
- Ronceray, Eugène, assignor to Societe Anonyme des Etablissements Ph. Bonvillain & E. Ronceray, Paris, France. Molding apparatus. No. 1,091,019; Mar. 24; Gaz. vol. 200; p. 927.
- Ronceray, Eugène, assignor to Societe Anonyme des Etablissements Ph. Bonvillain & E. Ronceray, Paris, France. Molding-machine. No. 1,091,020; Mar. 24; Gaz. vol. 200; p. 928.
- Ronchetti, Felix. (See Corgiat, John, assignor.)
- Ronchetti, Joseph A., Woonsocket, R. I., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,094,816; Apr. 28; Gaz. vol. 201; p. 1054.
- Ronchetti, Joseph A., Woonsocket, R. I., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Platen-shifting mechanism for type-writers. No. 1,103,158; July 14; Gaz. vol. 204; p. 374.
- Ronchetti, Joseph A., Woonsocket, R. I., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,116,490; Nov. 10; Gaz. vol. 208; p. 391.
- Ronchetti, Joseph A., Woonsocket, R. I., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,120,747; Dec. 15; Gaz. vol. 209; p. 726.
- Ronchetti, Joseph A., Woonsocket, R. I., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,120,976; Dec. 15; Gaz. vol. 209; p. 805.
- Ronconi, Domenico, Chicago, Ill. Toy. No. 1,113,051; Oct. 6; Gaz. vol. 207; p. 221.
- Rondeau, Thomas E., Courtright, Ontario, Canada. Eggcrate cushion. No. 1,117,447; Nov. 17; Gaz. vol. 208; p. 770.
- Roney, Robert H., Burlington, N. C. Hinge. No. 1,087,510; Feb. 17; Gaz. vol. 199; p. 768.
- Roney, William H., Gary, Ind. Valve for granular materials. No. 1,116,741; Nov. 10; Gaz. vol. 208; p. 482.
- Ronk, Frank C., assignor to The Garwood Gas-Lamp and Heater Company, Canton, Ohio. Steam-pressure-regulator valve. No. 1,083,899; Jan. 6; Gaz. vol. 198; p. 207.
- Röntgen, Robert, Remscheid, Germany. Apparatus for automatically charging hardening and the like furnaces. No. 1,107,449; Aug. 18; Gaz. vol. 205; p. 744.
- Rontke, Albert, Bridgeport, Conn., assignor to The Singer Manufacturing Company. Fabric-guiding attachment for sewing-machines. No. 1,111,862; Sept. 29; Gaz. vol. 206; p. 1220.
- Rood, Charles W., Britt, Iowa, and C. C. Jacobs, Amboy, Ill. Means for supporting and moving excavating-machines. No. 1,086,466; Feb. 10; Gaz. vol. 199; p. 355.
- Roof, Charles R. (See Wright and Roof.)
- Rookledge, Percival L., and G. W. Gillespie, Cambria, Cal.; said Gillespie assignor to said Rookledge. Vehicle-spring. No. 1,110,826; Sept. 15; Gaz. vol. 206; p. 778.
- Rookwood Pottery Company, The. (See Metzner, Otto, assignor.)
- Rooney, Hugh. (See Goethner, Rooney, and Seifert.)
- Roop, William M., Kansas City, Mo., assignor to Wire Fabric Machinery Company. Wire-fabric machine. No. 1,103,316; July 14; Gaz. vol. 204; p. 428.
- Roos, Hermann, Charlottenburg, Germany, assignor to General Electric Company. Insulating-coil. No. 1,118,446; Nov. 24; Gaz. vol. 208; p. 1160.
- Roos, Julius. (See Antoine and Roos.)
- Roosa, Samuel. (See Tingley, Roosa, and Gould.)
- Roosa, Samuel, Owosso, Mich. Harvester for peas, beans, or the like. No. 1,120,977; Dec. 15; Gaz. vol. 209; p. 806.
- Roosevelt, Clinton E., Pendleton, Oreg. Harrow-weeder tooth. No. 1,085,359; Jan. 27; Gaz. vol. 198; p. 800.
- Root, Charles A., Salt Lake City, Utah. Printing-machine. No. 1,097,770; May 26; Gaz. vol. 202; p. 1015.
- Root, Claude E., Cambridge Springs, Pa. Wheel. No. 1,120,543; Dec. 8; Gaz. vol. 209; p. 606.
- Root, Francis S., Springfield, Mass. Invalid-lifting device. No. 1,103,436; July 14; Gaz. vol. 204; p. 467.
- Root, Francis S., Springfield, Mass. Invalid-lifting device. No. 1,106,847; Aug. 11; Gaz. vol. 205; p. 485.
- Root, Frank P., Akron, Ohio. Air-valve for pneumatic tires. No. 1,104,074; July 21; Gaz. vol. 204; p. 732.
- Root, John C., Newcastle, Ind. Flour-sifter. No. 1,085,824; Feb. 3; Gaz. vol. 199; p. 88.
- Root, John H. (See Berg and Root.)
- Roovers, Alfred W., Brooklyn, N. Y. Vending-machine. No. 1,106,848; Aug. 11; Gaz. vol. 205; p. 485.
- Roper, Charles H. (See Tousley and Roper.)
- Roper, Charles H., Belmont, assignor to Hood Rubber Co., Watertown, Mass. Clicking-machine. No. 1,112,326; Sept. 29; Gaz. vol. 206; p. 1377.
- Roper, Charles H., Belmont, assignor to Hood Rubber Company, Watertown, Mass. Upper for tennis-shoes. No. 1,113,831; Oct. 13; Gaz. vol. 207; p. 539.
- Roper & Company, C. F. (See Draper, Clare H., assignor.)
- Roper, George. (See Andrews, William F., assignor.)
- Roper, Walter F., Hopedale, Mass. Wind-shield-adjusting device. No. 1,106,892; Aug. 11; Gaz. vol. 205; p. 500.
- Roper, William, Philadelphia, Pa. Vehicle-spring. No. 1,094,933; Apr. 28; Gaz. vol. 201; p. 1093.
- Rorive, Ernest, Brussels, Belgium. Upsetting-machine. No. 1,098,408; June 2; Gaz. vol. 203; p. 18.
- Rorke, James E., Bay City, Mich. Spike-retainer. No. 1,103,317; July 14; Gaz. vol. 204; p. 428.
- Rosalind Company, The. (See West, Augustus A., assignor.)
- Rosato, Vito N., Yonkers, N. Y. Aeroplane. No. 1,116,926; Nov. 10; Gaz. vol. 208; p. 548.
- Rosborough, John, assignor to Laclede-Christy Clay Products Company, St. Louis, Mo. Fire-arch for furnaces. No. 1,086,467; Feb. 10; Gaz. vol. 199; p. 356.
- Rosch, Charles F. (See Burke, William E., assignor.)
- Rosch, Mary, administratrix. (See Burke, William E.)
- Roscoe, Burton E., Springhill, Nova Scotia, Canada. Thermal pan. No. 1,103,159; July 14; Gaz. vol. 204; p. 374.
- Roscoe, Wesley F., Upper Mattole, Cal. Screen-fastener. No. 1,084,167; Jan. 13; Gaz. vol. 198; p. 332.
- Rose Auto. Spring Wheel Company, The. (See Rose, Edward, assignor.)
- Rose, Daniel M., Knoxville, Tenn. Woodworking-machine. No. 1,095,233; May 5; Gaz. vol. 202; p. 21.
- Rose, Daniel M., Knoxville, Tenn. End-matching machine. No. 1,095,234; May 5; Gaz. vol. 202; p. 21.
- Rose, Edward, Mamaroneck, N. Y. Trolley-mount. No. 1,086,562; Feb. 10; Gaz. vol. 199; p. 389.
- Rose, Edward, assignor to The Rose Auto. Spring Wheel Company, Rye, N. Y. Resilient wheel. No. 1,116,491; Nov. 10; Gaz. vol. 208; p. 391.
- Rose, Edward E. (See Perkins and Rose.)
- Rose, Edward E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrically-heated apparatus. No. 1,113,487; Oct. 13; Gaz. vol. 207; p. 420.
- Rose, Edward H., Flint, Mich. Ratchet-wrench. No. 1,099,572; June 9; Gaz. vol. 203; p. 457.
- Rose, Frank L., Helena, Mont. Potato-assorter. No. 1,085,162; Jan. 27; Gaz. vol. 198; p. 731.
- Rose, Frederick, Liverpool, and A. Rae, Seacombe, England. Tire for vehicle-wheels. No. 1,105,459; July 28; Gaz. vol. 204; p. 1263.
- Rose, Frederick K. B. T., Portland, Oreg. Table. No. 1,118,447; Nov. 24; Gaz. vol. 208; p. 1161.
- Rose, James M., Philadelphia, Pa., assignor to Merchant & Evans Company, Camden, N. J. Umbrella-stand. No. 1,109,788; Sept. 8; Gaz. vol. 206; p. 368.
- Rose, John, Philadelphia, Pa. Umbrella-case. No. 1,108,240; Aug. 25; Gaz. vol. 205; p. 1069.
- Rose, John I., et al. (See Sheppard, John, assignor.)
- Rose, John N., Jr., Kinsley, Kans. Internal-combustion engine. No. 1,111,765; Sept. 29; Gaz. vol. 206; p. 1182.
- Rose, John W., Dodge City, Kans. Berry-box. No. 1,109,468; Sept. 1; Gaz. vol. 206; p. 216.
- Rose, Joseph S., Port Chester, N. Y. Diamond-tool. No. 1,122,539; Dec. 29; Gaz. vol. 209; p. 1422.
- Rose Label Machine Company. (See Rosenthal, Arthur, assignor.)
- Rose, Leonard, New Orleans, La. Non-refillable bottle. No. 1,115,976; Nov. 3; Gaz. vol. 208; p. 174.
- Rose, Lucius G., Parma, Idaho. Water-lifting device. No. 1,100,491; June 16; Gaz. vol. 203; p. 809.
- Rose, Orson M., Medford, Oreg. Wrench. No. 1,112,327; Sept. 29; Gaz. vol. 206; p. 1377.
- Rose, Paul, Berlin, Germany, assignor to General Electric Company. Electric meter. No. 1,085,163; Jan. 27; Gaz. vol. 198; p. 731.
- Rose, Solon E., Detroit, Mich. Rotary engine. No. 1,108,241; Aug. 25; Gaz. vol. 205; p. 1069.
- Rose, Wesley M., Sacramento, Cal. Sanitary drinking-fountain. No. 1,111,325; Sept. 22; Gaz. vol. 206; p. 994.
- Rose, Wilfred K., Findlay, Ill. Scale-rack. No. 1,092,292; Apr. 7; Gaz. vol. 201; p. 59.
- Rose, William, Gainsborough, England. Apparatus for making bags or containers. No. 1,099,130; June 2; Gaz. vol. 203; p. 258.
- Rose, William, Gainsborough, England. Packeting-machine for filling or delivering granular or other materials into bags or the like. No. 1,107,114; Aug. 11; Gaz. vol. 205; p. 574.
- Rose, William, Gainsborough, England. Apparatus for applying bands, wrappers, or labels to boxes, blocks, or packages. No. 1,111,676; Sept. 22; Gaz. vol. 206; p. 1116.
- Rose, William, Gainsborough, England. Apparatus for filling bags or containers with tea, tobacco, and other like substances. No. 1,114,529; Oct. 20; Gaz. vol. 207; p. 826.

Alphabetical list of patentees—Continued.

- Rosedale Foundry & Machine Company. (See Holt, Harris B., assignor.)
- Rosemary Manufacturing Company. (See Cannon and Holladay, assignors.)
- Rosen, David J., Brooklyn, N. Y. Automatic top-sash-closing device for windows. No. 1,122,646; Dec. 29; Gaz. vol. 209; p. 1460.
- Rosen, Morris H., and J. Herman, New York, N. Y. Shirt-collar. No. 1,101,334; June 23; Gaz. vol. 203; p. 1153.
- Rosen, Sixten A., assignor of one-half to H. L. Dow, Worcester, Mass. Meat and fruit press. No. 1,109,363; Sept. 1; Gaz. vol. 206; p. 181.
- Rosen, Sixten A., assignor of one-half to H. L. Dow, Worcester, Mass. Clothes-drier. No. 1,117,248; Nov. 17; Gaz. vol. 208; p. 700.
- Rosenbaum, Bedrich, Dumbarton, Scotland. Periscope for submarine and submersible craft. No. 1,110,827; Sept. 15; Gaz. vol. 206; p. 779.
- Rosenbaum, Jesse, Mount Vernon, Ind. Locking device for vehicle wheel-rim flanges. No. 1,116,125; Nov. 3; Gaz. vol. 208; p. 226.
- Rosenbaum, Morris, Philadelphia, Pa. Operating a furnace. No. 1,108,792; Aug. 25; Gaz. vol. 205; p. 1257.
- Rosenbaum, Simon. (See Brandels, Izidor, assignor.)
- Rosenberg, Augustus, London, England. Telephone-receiver. No. 1,096,127; May 12; Gaz. vol. 202; p. 360.
- Rosenberg, Benjamin, New York, N. Y. Display-stand. No. 1,086,690; Feb. 10; Gaz. vol. 199; p. 433.
- Rosenberg, Benjamin, New York, N. Y. Pneumatic plug for heels. No. 1,109,180; Sept. 1; Gaz. vol. 206; p. 115.
- Rosenberg, Benjamin, New York, N. Y. Combined insole and shank. No. 1,118,151; Nov. 24; Gaz. vol. 208; p. 1055.
- Rosenberg, Emanuel, Berlin, Germany. Windings for electrical machines. No. 1,084,364; Jan. 13; Gaz. vol. 198; p. 396.
- Rosenberg, Emanuel, Berlin, Germany. Constant-output generator. No. 1,084,365; Jan. 13; Gaz. vol. 198; p. 397.
- Rosenberg, Harry, *et al.* (See Lipson, Samuel, assignor.)
- Rosenberg, Hartwig G. (See Rosenberg, Martin, assignor.)
- Rosenberg, Heyman, assignor to Parker Supply Company, New York, N. Y. Damper. No. 1,096,563; May 12; Gaz. vol. 202; p. 509.
- Rosenberg, Heyman, assignor to Parker Supply Company, New York, N. Y. Anchor-bolt shell. No. 1,099,668; June 9; Gaz. vol. 203; p. 488.
- Rosenberg, Jacob, *et al.* (See Lipson, Samuel, assignor.)
- Rosenberg, James, Cleveland, Ohio. Device for printing intersecting lines. No. 1,118,951; Dec. 1; Gaz. vol. 209; p. 16.
- Rosenberg, Louis, Chelsea, Mass. Cigar-bunch slitter. No. 1,092,172; Apr. 7; Gaz. vol. 201; p. 17.
- Rosenberg, Martin, Akely, assignor of one-half to H. G. Rosenberg, Minneapolis, Minn. Bait-holder for trolling outfits. No. 1,095,288; May 5; Gaz. vol. 202; p. 39.
- Rosenberg, Morris, New York, N. Y. Corner-bracket for bedsteads. No. 1,120,413; Dec. 8; Gaz. vol. 209; p. 560.
- Rosenberg, Nathan, North Tarrytown, N. Y. Liquid-fuel burner. No. 1,098,642; June 2; Gaz. vol. 203; p. 98.
- Rosenberg, Samuel, assignor to National Chain Company, New York, N. Y. Tool for opening and closing chain-links. No. 1,113,693; Oct. 13; Gaz. vol. 207; p. 490.
- Rosenberger, Charles G., Savannah, N. Y. Gymnastic apparatus. No. 1,085,486; Jan. 27; Gaz. vol. 198; p. 841.
- Rosenberger, Charles G., Savannah, N. Y. Gymnastic apparatus. No. 1,119,726; Dec. 1; Gaz. vol. 209; p. 283.
- Rosenblatt, Irving S., San Francisco, Cal. Antiseptic telephone-mouthpiece. No. 1,115,868; Nov. 3; Gaz. vol. 208; p. 136.
- Rosenblatt, Joseph, Providence, R. I. Eyeglass-mounting. No. 1,088,095; Feb. 24; Gaz. vol. 199; p. 1019.
- Rosenbloom, Benjamin L., Wheeling, W. Va. Sanitary drinking-cup. No. 1,089,084; Mar. 3; Gaz. vol. 200; p. 140.
- Rosenbloom, Morris. (See Klein and Brueck, assignors.)
- Rosenblum, Adolph. (See Cruser and Rosenblum.)
- Rosenblum, Philip. (See Handsman and Rosenblum.)
- Rosendale, Annabelle, Grand Rapids, Mich. Hand-bag. No. 1,089,268; Mar. 3; Gaz. vol. 200; p. 203.
- Rosenfeld, Alfred, Berlin, Germany. Garment-closure. No. 1,114,185; Oct. 20; Gaz. vol. 207; p. 703.
- Rosenfeld, Edward, Columbus, Ohio. Device for wringing mops. No. 1,088,370; Feb. 24; Gaz. vol. 199; p. 1112.
- Rosenfeld, Maurice, New York, N. Y. Printing-machine. No. 1,098,056; May 26; Gaz. vol. 202; p. 1117.
- Rosenfeld, Mortimer C., Cleveland, Ohio. Pipe-clamp. No. 1,098,409; June 2; Gaz. vol. 203; p. 18.
- Rosenfeld, Mortimer C., Cleveland, Ohio. Pipe-hanger. No. 1,098,410; June 2; Gaz. vol. 203; p. 19.
- Rosenfeld, Mortimer C., Cleveland, Ohio. Device for securing conductors to junction-boxes. No. 1,101,963; June 30; Gaz. vol. 203; p. 1423.
- Rosenfield, Manuel, Denver, Colo. Necktie-holder. No. 1,100,492; June 16; Gaz. vol. 203; p. 809.
- Rosengarten, Abraham, New York, N. Y. Buckle. No. 1,100,783; June 23; Gaz. vol. 203; p. 961.
- Rosengren, Frank W., assignor to Enterprise Tool and Metal Works, Chicago, Ill. Sad-iron. No. 1,114,916; Oct. 27; Gaz. vol. 207; p. 1013.
- Rosenheim, Ida S. (See Both, Tonjes A. C., assignor.)
- Rosenheimer, Meyer and M. H., Milwaukee, Wis. Tire-retaining mechanism. No. 1,119,991; Dec. 8; Gaz. vol. 209; p. 411.
- Rosenheimer, Meyer H. (See Rosenheimer, Meyer and M. H.)
- Rosenleaf, Gustaf, Grand Forks, N. D. Building construction. No. 1,084,967; Jan. 20; Gaz. vol. 198; p. 627.
- Rosenow, Max T. K., Metuchen, N. J. Tire-protector. No. 1,102,084; June 30; Gaz. vol. 203; p. 1466.
- Rosenquist, Anton, Superior, Wis. Sliding-door lock. No. 1,096,759; May 12; Gaz. vol. 202; p. 575.
- Rosenstein, Louis, New York, N. Y. Dauber attachment for bottles. No. 1,098,976; June 2; Gaz. vol. 203; p. 210.
- Rosenthal, Ambrose H., Brooklyn, N. Y. Buckle. No. 1,090,415; Mar. 17; Gaz. vol. 200; p. 689.
- Rosenthal, Arthur, assignor to Rose Label Machine Company, Grand Rapids, Mich. Label cutting and folding machine. No. 1,104,316; July 21; Gaz. vol. 204; p. 813.
- Rosenthal, Arthur, assignor to Rose Label Machine Company, Grand Rapids, Mich. Sewing-machine for attaching labels. No. 1,111,494; Sept. 22; Gaz. vol. 206; p. 1052.
- Rosenthal, Clarence V., assignor to The Fenton Art Glass Company, Williamstown, W. Va. Tile-molding apparatus. No. 1,116,126; Nov. 3; Gaz. vol. 208; p. 226.
- Rosenthal, Dunbar A. (See Winter and Rosenthal.)
- Rosenthal, Hans, assignor to Julius Pintsch Aktiengesellschaft, Berlin, Germany. Guard for inverted incandescent mantles. No. 1,117,521; Nov. 17; Gaz. vol. 208; p. 796.
- Rosenthal, Herman, New York, N. Y. Buckle. No. 1,121,403; Dec. 15; Gaz. vol. 209; p. 955.
- Rosenthal, Israel E., Argenta, Ark. Safeguard life and telephone attachment. No. 1,113,052; Oct. 6; Gaz. vol. 207; p. 221.
- Rosenthal, James H., Chiselmhurst, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Super-heat-regulator for steam-generators. No. 1,096,128; May 12; Gaz. vol. 202; p. 361.
- Rosenthal, James H., Chiselmhurst, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Super-heat-regulator for steam-generators. No. 1,119,318; Dec. 1; Gaz. vol. 209; p. 143.
- Rosenthal, James H., and C. S. Davy, London, England, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Chain-grate stoker. No. 1,091,166; Mar. 24; Gaz. vol. 200; p. 978.
- Rosenthal, Louis, Frankfurt, Germany. Leather-sewing machine. No. 1,085,487; Jan. 27; Gaz. vol. 198; p. 841.
- Rosenthal, Raphael. (See Schreiber, Norbert, assignor.)
- Rosentreter, Albert J. (See Bayer and Rosentreter.)
- Rosentreter, Albert J., Boonton, assignor to E. Zabriskie, Maplewood, N. J., and F. E. Hutchins, New York, N. Y. Door check and closer. No. 1,119,878; Dec. 8; Gaz. vol. 209; p. 371.
- Rosentreter, Albert J., Boonton, assignor to E. Zabriskie, Maplewood, N. J., and F. E. Hutchins, New York, N. Y. Door check and closer. No. 1,120,544; Dec. 8; Gaz. vol. 209; p. 607.
- Rosewarne, Richard E., Covington, Ky., assignor to The Miller, Du Brul and Peters Manufacturing Company, Cincinnati, Ohio. Severing device. No. 1,095,599; May 5; Gaz. vol. 202; p. 146.
- Rosewick, August. (See Hintze and Rosewick.)
- Roshon, Israel A., assignor of one-half to P. Thompson, Worthington, Minn. Attachment for linotype-machines. No. 1,095,677; May 5; Gaz. vol. 202; p. 172.
- Rosing, Orvar G., Minneapolis, Minn. Boat. No. 1,093,475; Apr. 14; Gaz. vol. 201; p. 496.
- Rosing, William H. V., St. Louis, Mo. Roof-carline. No. 1,098,687; June 2; Gaz. vol. 203; p. 113.
- Rosino, Gilbert G., and F. W. Thomas, Sandusky, Ohio. Headlight-dimmer. No. 1,084,113; Jan. 13; Gaz. vol. 198; p. 314.
- Rosner, Adolph, assignor to The Locomobile Company of America, Bridgeport, Conn. Internal-combustion engine. No. 1,100,915; June 23; Gaz. vol. 203; p. 1009.
- Rosner, Max, assignor to E. D. Henderson, Jr., New York, N. Y. Fire-escape. No. 1,104,449; July 21; Gaz. vol. 204; p. 860.
- Rosolofsky, Friedrich, assignor of one-third to A. S. Costellano and one-third to J. A. Dean, Jacksonville, Fla. Life-saving apparatus. No. 1,119,541; Dec. 1; Gaz. vol. 209; p. 222.
- Ross, Albert, Bellevue, Pa. Non-refillable bottle. No. 1,122,309; Dec. 29; Gaz. vol. 209; p. 1345.
- Ross, Andrew J., Oakland, Cal. Door-lock. No. 1,114,186; Oct. 20; Gaz. vol. 207; p. 704.
- Ross, Arthur, London, England. Water-tube boiler. No. 1,114,650; Oct. 20; Gaz. vol. 207; p. 865.
- Ross, Charles, Chicago, Ill. Combined telephone-mouth-piece guard and advertising device. No. 1,093,803; Apr. 21; Gaz. vol. 201; p. 647.

Alphabetical list of patentees—Continued.

- Ross, Charles, St. Louis, Mo. Conduit or pipe bender. No. 1,118,056; Nov. 24; Gaz. vol. 208; p. 1023.
- Ross, Charles H. A. F. L. (See Porter, Frederick W. H., assignor.)
- Ross, Clifton, assignor of one-half to W. B. Powell, Utica, Miss. Fish-trap. No. 1,106,318; Aug. 4; Gaz. vol. 205; p. 253.
- Ross, Elias. (See Burchess, Herman, assignor.)
- Ross, Elmore N., *et al.* (See Atkins, William, assignor.)
- Ross, Frank A., Spokane, Wash., assignor to Chalmers and Williams, Inc., Chicago Heights, Ill. Metal-precipitating device. No. 1,101,569; June 30; Gaz. vol. 203; p. 1286.
- Ross, Frederick M., and H. G. Horstman, assignors of one-fourth to W. W. Baxter and one-fourth to T. Horstman, Cincinnati, Ohio. Spring-wheel. No. 1,111,863; Sept. 29; Gaz. vol. 206; p. 1220.
- Ross, Harry B., Seattle, Wash. Planing-machine. No. 1,090,236; Mar. 17; Gaz. vol. 200; p. 626.
- Ross, Harry B., Detroit, Mich., assignor to The Ross Transmission Gear Company, Denver, Colo. Mechanism for transmitting motion. (Reissue.) No. 13,686; Feb. 10; Gaz. vol. 199; p. 571.
- Ross, Harry B., assignor to The Ross Transmission Gear Company, Denver, Colo. Power-transmission mechanism. No. 1,087,891; Feb. 17; Gaz. vol. 199; p. 898.
- Ross, James C., Colorado Springs, Colo., assignor to The Hydrocarbon Company. Treating bituminous material. No. 1,104,140; July 21; Gaz. vol. 204; p. 753.
- Ross, Jesse H., Pascoag, assignor to E. M. Dart Manufacturing Company, Providence, R. I. Making pipe-fittings. No. 1,122,422; Dec. 29; Gaz. vol. 209; p. 1381.
- Ross, John A., assignor of one-third to F. Pons, New York, N. Y. Automobile-signal. No. 1,111,615; Sept. 22; Gaz. vol. 206; p. 1094.
- Ross, John D., assignor to F. L. Jerris, Portland, Me. Acetylene-gas generator. No. 1,100,621; June 16; Gaz. vol. 203; p. 852.
- Ross, Joseph E., Wilsonburg, W. Va. Non-refillable bottle. No. 1,119,192; Dec. 1; Gaz. vol. 209; p. 102.
- Ross, Justin E., Springfield, Mo. Eye-bath. No. 1,121,667; Dec. 22; Gaz. vol. 209; p. 1083.
- Ross, Louis S., Newtonville, Mass., assignor to Central Railway Signal Company, Pittsburgh, Pa. Time-burning railway signal-fusee. No. 1,094,596; Apr. 28; Gaz. vol. 201; p. 974.
- Ross, Mark A., Chicago, Ill. Electric-arc lamp. No. 1,118,684; Nov. 24; Gaz. vol. 208; p. 1243.
- Ross, Mark A., Chicago, Ill. Roller-bearing. No. 1,118,685; Nov. 24; Gaz. vol. 208; p. 1243.
- Ross, Matilda, Tacoma, Wash. Embroidery-frame and support therefor. No. 1,110,349; Sept. 15; Gaz. vol. 206; p. 611.
- Ross, Oscar A., assignor of one-half to C. V. Kasson, Chicago, Ill. Automatic train stop or signal device. No. 1,101,511; June 23; Gaz. vol. 203; p. 1215.
- Ross, Richard L., Pasco, Wash. Pocket-oiler. No. 1,089,500; Mar. 10; Gaz. vol. 200; p. 332.
- Ross, Scott C., *et al.* executors. (See Alberger, Louis R.)
- Ross, Sidney J., *et al.* (See Jeffreys, Robert D., assignor.)
- Ross Transmission Gear Company. (See Ross, Harry B., assignor.)
- Ross, Walter D., Anniston, Ala. Core-bar. No. 1,112,034; Sept. 29; Gaz. vol. 206; p. 1275.
- Ross, William, Troy, N. Y. Pressure-regulating valve. No. 1,091,536; Mar. 31; Gaz. vol. 200; p. 1144.
- Ross, William H. (See Gibson and Ross.)
- Ross, William O. (See Idris and Ross.)
- Ross, William R., Morrisdale, Pa. Switch. No. 1,104,547; July 21; Gaz. vol. 204; p. 896.
- Rosser, Virgil O., Dallas, Tex. Kitchen-cabinet. No. 1,088,455; Feb. 24; Gaz. vol. 199; p. 1139.
- Rossetter, Charles F., assignor of one-half to L. Day, Kansas City, Kans. Manicuring device. No. 1,115,337; Oct. 27; Gaz. vol. 207; p. 1160.
- Rossi, Arthur, San Francisco, Cal. Combined grape crusher, stemmer, and must-pump. No. 1,094,817; Apr. 28; Gaz. vol. 201; p. 1054.
- Rossi, Auguste J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Treating steel. No. 1,084,036; Jan. 13; Gaz. vol. 198; p. 288.
- Rossi, Auguste J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Steel. No. 1,085,488; Jan. 27; Gaz. vol. 198; p. 841.
- Rossi, Auguste J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Metallurgical method. No. 1,104,317; July 21; Gaz. vol. 204; p. 813.
- Rossi, Auguste J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Bleaching solutions containing titanous chlorid and producing the same. No. 1,105,308; July 28; Gaz. vol. 204; p. 1207.
- Rossi, Auguste J., and W. F. Meredith, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Producing a compound containing titanium carbid. No. 1,094,022; Apr. 21; Gaz. vol. 201; p. 721.
- Rossi, Auguste J., and L. E. Barton, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Titanic-oxid concentrate and producing the same. No. 1,106,406; Aug. 11; Gaz. vol. 205; p. 327.
- Rossi, Auguste J., and L. E. Barton, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Concentrating titanous oxid. No. 1,106,407; Aug. 11; Gaz. vol. 205; p. 328.
- Rossi, Auguste J., and L. E. Barton, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Concentrating titanous oxid from substances containing it and iron oxid. No. 1,106,408; Aug. 11; Gaz. vol. 205; p. 328.
- Rossi, Auguste J., and L. E. Barton, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Obtaining titanous oxid. No. 1,106,409; Aug. 11; Gaz. vol. 205; p. 328.
- Rossi, Auguste J., and L. E. Barton, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Obtaining titanous oxid. No. 1,106,410; Aug. 11; Gaz. vol. 205; p. 328.
- Rossi, Giosuè, New York, N. Y. Brass musical instrument. No. 1,100,199; June 16; Gaz. vol. 203; p. 709.
- Rossiter, Frederick O., *et al.* (See Stillman, John C., assignor.)
- Rossiter, William J., Redfield, Bristol, England. Corset. No. 1,088,371; Feb. 24; Gaz. vol. 199; p. 1112.
- Rossiter, William M., Sunbury, Pa. Curtain-pole. No. 1,112,159; Sept. 29; Gaz. vol. 206; p. 1319.
- Rossiter, William M., Sunbury, Pa. Curtain-pole bracket. No. 1,112,160; Sept. 29; Gaz. vol. 206; p. 1319.
- Rossmann, Max, St. Paul, Minn. Fence-stretcher. No. 1,091,964; Mar. 31; Gaz. vol. 200; p. 1293.
- Rossom, Ida C., Duluth, Minn. Disinfecting device. No. 1,096,461; May 12; Gaz. vol. 202; p. 474.
- Rossow, Albert H., and J. H. Schafer, Florence, S. D. Gang-plow. No. 1,086,860; Feb. 10; Gaz. vol. 199; p. 494.
- Rossow, Ernst F. and M. E., Berkeley, Cal. Automatic feed-hopper. No. 1,088,096; Feb. 24; Gaz. vol. 199; p. 1019.
- Rossow, Mary E. (See Rossow, Ernst F. and M. E.)
- Rost, Carl, Dresden, Germany. Double-acting machine for manufacturing sweets. No. 1,095,031; Apr. 28; Gaz. vol. 201; p. 1128.
- Rost, Frank J., Kulm, N. D. Draft attachment. No. 1,098,643; June 2; Gaz. vol. 203; p. 99.
- Rostand Manufacturing Company, The. (See Landine, Peter N., assignor.)
- Röstel, Carl, Berlin, Germany. Sliding breech-block for recoil-operated firearms. No. 1,095,738; May 5; Gaz. vol. 202; p. 193.
- Rostow, Anna D., Newark, N. J. Device for shaping noses. No. 1,100,991; June 23; Gaz. vol. 203; p. 1036.
- Rostowski, Wladyslaw. (See Jablonski, Boleslaw, assignor.)
- Roszman, Frank C., Cecil, Ohio. Separator for threshing-machines. No. 1,120,978; Dec. 15; Gaz. vol. 209; p. 806.
- Rota Engine Company. (See Watson, Charles W., assignor.)
- Rotary Chopper Company. (See Meyer, Charles L., assignor.)
- Rotary Photographic Company Limited, The. (See Madaler, Ferdinand von, assignor.)
- Rotary Tractor Company. (See Linderoth, Carl F., assignor.)
- Rotary Valve Motor Company. (See Nelson, Emil A., assignor.)
- Roth, Aaron, Chicago, Ill. Garment. No. 1,084,486; Jan. 13; Gaz. vol. 198; p. 434.
- Roth, Arnold N., Quirigua, Guatemala. Banana-harvesting device. No. 1,113,694; Oct. 13; Gaz. vol. 207; p. 490.
- Roth, Carl, Frankfort-on-the-Main, Germany. Manufacture of coating and impregnating materials. No. 1,095,988; May 5; Gaz. vol. 202; p. 277.
- Roth, Charles, Brooklyn, assignor to T. E. Murray, New York, N. Y. Snap-switch. No. 1,112,161; Sept. 29; Gaz. vol. 206; p. 1319.
- Roth, Charles C., Chicago, Ill. Fish-stop mechanism. No. 1,097,266; May 19; Gaz. vol. 202; p. 797.
- Roth, Charles F., Quincy, Mass. Fountain bow-pen. No. 1,094,253; Apr. 21; Gaz. vol. 201; p. 798.
- Roth, Charles G., Reading, Pa. Case for receiving tools. No. 1,113,832; Oct. 13; Gaz. vol. 207; p. 539.
- Roth, Charles F. (See Jones and Roth.)
- Roth, Eugen, S. böneberg, near Berlin, Germany. Water-heater. No. 1,084,562; Jan. 13; Gaz. vol. 198; p. 462.
- Roth, Henry J., New York, N. Y. Collar-protector. No. 1,084,037; Jan. 13; Gaz. vol. 198; p. 288.
- Roth, Homer F., assignor to G. W. Kirkpatrick, Sturgis, Mich. Pawl and ratchet for dumping-boxes. No. 1,112,839; Oct. 6; Gaz. vol. 207; p. 150.
- Roth, Isidor, assignor to Birdsey, Somers Company, Bridgeport, Conn. Corset-closure. No. 1,089,158; Mar. 3; Gaz. vol. 200; p. 169.
- Roth, Johann F., Basel, Switzerland. Thread-winding apparatus for ring-spinning and ring-doubling machines. No. 1,121,538; Dec. 15; Gaz. vol. 209; p. 1000.

Alphabetical list of patentees—Continued.

- Roth, John, Granite City, Ill. Stovepipe-anchor. No. 1,101,096; June 23; Gaz. vol. 203; p. 1072.
- Roth, Joseph H., Chicago, Ill. Tobacco-pipe. No. 1,084,902; Jan. 20; Gaz. vol. 198; p. 605.
- Röth, Karl, Rheingönheim, Germany. Liquid-fuel burner. No. 1,121,873; Dec. 22; Gaz. vol. 209; p. 1156.
- Roth, Karl H., Utica, N. Y. Knife. No. 1,090,416; Mar. 17; Gaz. vol. 200; p. 689.
- Roth, Samuel, New York, N. Y. Thief-proof satchel. No. 1,119,193; Dec. 1; Gaz. vol. 209; p. 103.
- Rothacker, Frank W., Fostoria, Ohio, assignor, by mesne assignments, to General Electric Company. Glass-manipulating mechanism. No. 1,119,642; Dec. 1; Gaz. vol. 209; p. 256.
- Rothchild, Joseph, Brooklyn, N. Y., and J. B. Jarvis, London, assignors to Jarvis Engineering Co. Limited, Westminster, London, England. Internal-combustion engine. No. 1,117,095; Nov. 10; Gaz. vol. 203; p. 606.
- Rothe, Fritz, Dessau, Anhalt, Germany. Producing ammonia and compounds of ammonia. No. 1,083,703; Jan. 6; Gaz. vol. 198; p. 147.
- Rothe, Joseph F., Green Bay, Wis. Grate. No. 1,117,249; Nov. 17; Gaz. vol. 208; p. 700.
- Rothe, Joseph F., Green Bay, Wis. Catch-basin. No. 1,117,250; Nov. 17; Gaz. vol. 208; p. 700.
- Rothe, Wilhelm, Reichenbach, Germany. Waste or like carding or breaking machine. No. 1,096,864; May 19; Gaz. vol. 202; p. 654.
- Rothe, Wilhelm, Reichenbach, Germany. Waste and like breaking or carding machine. No. 1,111,035; Sept. 22; Gaz. vol. 206; p. 894.
- Rothe, Wilhelm, Reichenbach, Germany. Apparatus for obtaining cotton-waste in a rope-like form. No. 1,114,293; Oct. 20; Gaz. vol. 207; p. 742.
- Rothenburg, Benjamin, Boston, Mass. Binder. No. 1,089,269; Mar. 3; Gaz. vol. 200; p. 203.
- Rotherham, Kevitt, Coventry, England. Fastener or coupling. No. 1,114,530; Oct. 20; Gaz. vol. 207; p. 826.
- Röthig, Robert, Leipzig-Gohlis, Germany. Model-building material for educational purposes and games. No. 1,106,162; Aug. 4; Gaz. vol. 205; p. 202.
- Rothman, Rubin, Brooklyn, N. Y. Sealing bottles. No. 1,092,399; Apr. 7; Gaz. vol. 201; p. 94.
- Rothrock, Andrew A., assignor of one-half to S. E. Gesner, Erie, Pa. Wrist-pin-truing device. No. 1,084,038; Jan. 13; Gaz. vol. 198; p. 288.
- Rothschild, Alexander Z., San Francisco, Cal. Obtaining fiber from cocoanut-husks. No. 1,111,405; Sept. 22; Gaz. vol. 206; p. 1022.
- Rothschild, Emanuel, Anderson, Ind. Manifold sales-check book. No. 1,117,913; Nov. 17; Gaz. vol. 208; p. 932.
- Rothschild, Otto, Charlottenburg, Germany. Making sound-damping intermediate layers. No. 1,094,477; Apr. 28; Gaz. vol. 201; p. 934.
- Rothstein, Isidore, Pittsburgh, Pa. Game apparatus. No. 1,090,653; Mar. 17; Gaz. vol. 200; p. 771.
- Rothsten, Nels J., Beloit, Wis. Fly-wheel. No. 1,103,843; July 14; Gaz. vol. 204; p. 610.
- Rothwell, John E., Butte, Mont., assignor to Colorado Iron Works Company, Denver, Colo. Apparatus for thickening pulps. No. 1,099,396; June 9; Gaz. vol. 203; p. 396.
- Rotico Fitting & Supply Company. (See Drew, Warren F., assignor.)
- Rotolo, Joseph. (See Serres, Joseph B., assignor.)
- Rotospeed Company, The. (See Cox, Edwin A., assignor.)
- Rotter, Max, Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Turbo-blower. No. 1,111,498; Sept. 22; Gaz. vol. 206; p. 1054.
- Rotter, William, and R. S. Arthur, Newark, N. J.; said Arthur assignor to said Rotter. Phonographic doll. No. 1,097,771; May 26; Gaz. vol. 202; p. 1016.
- Rottman, Earnest L., Salt Lake City, Utah. Type-writer attachment. No. 1,100,916; June 23; Gaz. vol. 203; p. 1009.
- Rouchaud, Fernand, Turin, Italy. Support or easel for looking-glasses, photographs, pictures, and the like. No. 1,114,387; Oct. 20; Gaz. vol. 207; p. 774.
- Roucher, Helena, White Castle, La. Basting-pin. No. 1,091,085; Mar. 24; Gaz. vol. 200; p. 950.
- Rouge, Auguste, St-Etienne-les-Remiremont, France. Pneumatic stripping mechanism for carding-cylinders. No. 1,086,222; Feb. 3; Gaz. vol. 199; p. 226.
- Rough, James E. (See Raymond, Beere, and Rough.)
- Rounds, Daniel, Portland, Me. Repair-last. No. 1,086,468; Feb. 10; Gaz. vol. 199; p. 356.
- Rounds, Daniel, Portland, Me. Repair-jack. No. 1,103,844; July 14; Gaz. vol. 204; p. 610.
- Rountrey, Hubert H. (See Fisher and Rountrey.)
- Rous, Bernard, Brooklyn, assignor to L. Hefter, New York, N. Y. Cutting mechanism for neck-making machines. No. 1,086,223; Feb. 3; Gaz. vol. 199; p. 226.
- Rous, Bernard, Brooklyn, assignor to L. Hefter, New York, N. Y. Forming-block and its appurtenances for neck-making machines. No. 1,086,224; Feb. 3; Gaz. vol. 199; p. 227.
- Rous, Bernard, Brooklyn, assignor to L. Hefter, New York, N. Y. Neck-making machine. No. 1,098,461; June 2; Gaz. vol. 203; p. 36.
- Rouse, Ernest E., London, England. Spring-tire for motor-vehicles. No. 1,122,540; Dec. 29; Gaz. vol. 209; p. 1423.
- Rouse, Frederick, San Francisco, Cal. Sea-anchor. No. 1,098,977; June 2; Gaz. vol. 203; p. 210.
- Rouse, Martin L., Columbia, Mo. Temperature-indicator for incubators. No. 1,111,182; Sept. 22; Gaz. vol. 206; p. 946.
- Rouse, Thomas, Stamford Hill, London, assignor of one-half to Bessler Waechter & Company, Limited, London, England. Producing a ferrated and borated alkaline silicate. No. 1,109,704; Sept. 8; Gaz. vol. 206; p. 341.
- Rouse, W. J. (See Franks, Orrin G., assignor.)
- Roush, Albert S., and J. A. Brill, Gilman, Ill. Device for moving invalids. No. 1,085,704; Feb. 3; Gaz. vol. 199; p. 44.
- Roush, Herbert E. (See King, Weston, Roush, and Russell.)
- Rousseas, Peter G., Brooklyn, N. Y. Transfer-ticket. No. 1,093,476; Apr. 14; Gaz. vol. 201; p. 496.
- Roussel, Thomas J., Hamilton, Ontario, Canada. Window. No. 1,110,717; Sept. 15; Gaz. vol. 206; p. 741.
- Routin, Joseph L., Paris, France. Means for collectively actuating and controlling alternating-current motors. No. 1,090,568; Mar. 17; Gaz. vol. 200; p. 742.
- Routstone, Jacob, Weedsport, N. Y. Garment-hanger. No. 1,114,294; Oct. 20; Gaz. vol. 207; p. 742.
- Roux, Francois A., assignor to Société L'Aluminium Français, Paris, France. Production of varied colorations and black shades on metals. No. 1,095,357; May 5; Gaz. vol. 202; p. 63.
- Rouzet, Lucien, Paris, France. Wireless-telegraph installation for aerial vessels. No. 1,106,729; Aug. 11; Gaz. vol. 205; p. 444.
- Rovell, Lloyd, Harriette, Mich. Envelop. No. 1,110,964; Sept. 15; Gaz. vol. 206; p. 827.
- Rovira, Josephine G., New York, N. Y. Combination catamenial drawers. No. 1,112,162; Sept. 29; Gaz. vol. 206; p. 1319.
- Rowan, Russell R., Verdi, Kans. Fodder-loader. No. 1,107,361; Aug. 18; Gaz. vol. 205; p. 712.
- Rowe, Chauncey. (See Seaman, Albert J., assignor.)
- Rowe, Fred, Joplin, Mo. Nut-lock. No. 1,090,943; Mar. 24; Gaz. vol. 200; p. 900.
- Rowe, Frederick A., North Vancouver, British Columbia, assignor of one-half to E. W. Pelton, Vancouver, Canada. Hose-supporter. No. 1,102,804; July 7; Gaz. vol. 204; p. 203.
- Rowe, Fredrick W., assignor of one-half to E. J. Mahoney, Wilburton, Okla. Nut-wedge. No. 1,085,225; Jan. 27; Gaz. vol. 198; p. 753.
- Rowe, George B., Oklahoma, Okla. Needle-threader. No. 1,117,522; Nov. 17; Gaz. vol. 208; p. 796.
- Rowe, George H., Berwyn, Ill. Rotary hammer. No. 1,102,169; June 30; Gaz. vol. 203; p. 1496.
- Rowe, James, Chicago, Ill. Feeder for book-trimming machines. No. 1,118,152; Nov. 24; Gaz. vol. 208; p. 1056.
- Rowe, James J., Ilford, England. Combination punch and cutter for motor-cycle belts. No. 1,089,587; Mar. 10; Gaz. vol. 200; p. 361.
- Rowe, John S., Buffalo, N. Y. Lavatory. No. 1,115,740; Nov. 3; Gaz. vol. 208; p. 93.
- Rowe, Sidney C. (See French, Robert H., assignor.)
- Rowe, Wallace H. (See Rietzel, Adolph F., assignor.)
- Rowell, Benton C., Chicago, Ill. Rail-anchor. No. 1,093,804; Apr. 21; Gaz. vol. 201; p. 647.
- Rowell, Frank C., assignor of one-fourth to N. C. Rowell and one-fourth to G. P. Walrath, Ilion, N. Y. Table. No. 1,115,578; Nov. 3; Gaz. vol. 208; p. 38.
- Rowell, Norman C., et al. (See Rowell, Frank C., assignor.)
- Rowell, Theodore B., Beaver Dam, Wis., assignor to T. S. Roberts, Evanston, Ill. Seeder and cultivator tooth. No. 1,087,319; Feb. 17; Gaz. vol. 199; p. 701.
- Rowell, Theodore B., Beaver Dam, Wis., assignor to T. S. Roberts, Evanston, Ill. Disk-drill seeding-machine. No. 1,087,320; Feb. 17; Gaz. vol. 199; p. 701.
- Rowland, Jasper M., Niagara Falls, assignor, by mesne assignments, to Hooker Electrochemical Company, New York, N. Y. Liquid-sealed valve. No. 1,118,057; Nov. 24; Gaz. vol. 208; p. 1023.
- Rowland Machine Company, The. (See Fudge, Raymond E., assignor.)
- Rowledge, Arthur J. (See Remington and Rowledge.)
- Rowley, Arthur C., assignor to Associated Automatic Sprinkler Company, Philadelphia, Pa. Dry pipe-valve for fire-extinguishing systems. No. 1,108,106; Aug. 18; Gaz. vol. 205; p. 975.
- Rowley, Charlie B., Brainerd, Minn. Mining-shaft. No. 1,100,622; June 16; Gaz. vol. 203; p. 852.
- Rowley, Ervin L., and G. H. Gibson, Detroit, Mich. Fire-alarm box. No. 1,117,706; Nov. 17; Gaz. vol. 208; p. 862.
- Rowley, Harry G. (See Gilles, John P., assignor.)
- Rowley, James F., Chicago, Ill. Ankle-joint for artificial limbs. No. 1,090,881; Mar. 24; Gaz. vol. 200; p. 878.

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- Rowley, James F., Chicago, Ill. Coaptating-pad. No. 1,100,938; June 16; Gaz. vol. 203; p. 618.
- Rowley, John T., Pittsburgh, Pa. Mold. No. 1,112,937; Oct. 6; Gaz. vol. 207; p. 183.
- Rowley, Joseph P., assignor to Larter & Sons, Newark, N. J. Shirt-stud. No. 1,097,772; May 26; Gaz. vol. 202; p. 1016.
- Rowley, William S., Palmyra, N. J., assignor to H. W. Butterworth & Sons Company, Philadelphia, Pa. Cloth-clamp. No. 1,116,630; Nov. 10; Gaz. vol. 208; p. 444.
- Rowntree, Harold, Chicago, Ill., assignor, by mesne assignments, to National Pneumatic Company. Hinged doors and operating mechanism therefor. No. 1,088,936; Mar. 3; Gaz. vol. 200; p. 91.
- Rowntree, Harold, assignor to National Pneumatic Company, Chicago, Ill. Double-deck car. No. 1,111,971; Sept. 29; Gaz. vol. 206; p. 1254.
- Rowse, Frank J., Pawtucket, R. I. Coin-controlled locking mechanism. No. 1,119,879; Dec. 8; Gaz. vol. 209; p. 372.
- Roy, George A., Gulfport, Miss. Oil-burner. No. 1,113,053; Oct. 6; Gaz. vol. 207; p. 222.
- Roy, Joseph, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Gas-range. No. 1,104,224; July 21; Gaz. vol. 204; p. 782.
- Roy, Joseph K., *et al.* (See Gamache, Edward E., assignor.)
- Roy, Spencer W., Lisbon, N. Y. Device for opening envelops. No. 1,085,632; Feb. 3; Gaz. vol. 199; p. 18.
- Royack, Nathan, Brooklyn, N. Y. Swinging scaffold. No. 1,112,840; Oct. 6; Gaz. vol. 207; p. 150.
- Royal, Thomas M., Bryn Mawr, Pa. Tobacco-package. No. 1,115,113; Oct. 27; Gaz. vol. 207; p. 1083.
- Royal Type Company. (See Hess, Edward B., assignor.)
- Royal Typewriter Company. (See Handley, George F., assignor.)
- Royal Typewriter Company. (See Hess, Edward B., assignor.)
- Royal Typewriter Company. (See Hess and Myers, assignors.)
- Royal Typewriter Company. (See Myers, Lewis C., assignor.)
- Royce, Elizabeth R., Cambridge, Mass. Infant's undergarment. No. 1,110,459; Sept. 15; Gaz. vol. 206; p. 650.
- Royce, Frederick H., Derby, England. Gearing for transmission of rotary motion. No. 1,088,241; Feb. 24; Gaz. vol. 199; p. 1068.
- Royce, Frederick H., Derby, England. Engine-mounting for motor-vehicles. No. 1,108,242; Aug. 25; Gaz. vol. 205; p. 1069.
- Royce, Frederick H., Derby, England. Engine-mounting. No. 1,120,243; Dec. 8; Gaz. vol. 209; p. 500.
- Royce, James C., Toronto, Ontario, Canada. Electric soldering-iron. No. 1,106,476; Aug. 11; Gaz. vol. 205; p. 354.
- Royer, Elmer H., Altoona, Pa. Fender. No. 1,093,728; Apr. 21; Gaz. vol. 201; p. 624.
- Royer, J. C. F. (See Keller, Peter, assignor.)
- Royle, Vernon, Paterson, N. J. Shuttle. No. 1,109,250; Sept. 1; Gaz. vol. 206; p. 140.
- Royle, Vernon, Paterson, N. J. Circular loom. No. 1,115,338; Oct. 27; Gaz. vol. 207; p. 1160.
- Royse, James G., assignor of one-half to C. J. Lurie, Staunton, Va. Rail-joint. No. 1,093,885; Apr. 21; Gaz. vol. 201; p. 675.
- Rozboril, Andrew J., Pueblo Colo. Burglar-alarm. No. 1,118,310; Nov. 24; Gaz. vol. 208; p. 1284.
- Rozek, Frederick E., Buffalo, N. Y. Match-box. No. 1,121,205; Dec. 15; Gaz. vol. 209; p. 888.
- Rozier, Edward A., Sparta, Ga. Brush for cotton-cleaners. No. 1,084,487; Jan. 13; Gaz. vol. 198; p. 434.
- Rozier, Edward A., assignor to E. L. Rozier, Sparta, Ga. Cotton-cleaner. No. 1,087,831; Feb. 17; Gaz. vol. 199; p. 879.
- Rozier, Ella L. (See Rozier, Edward A., assignor.)
- Rubardt, Justus L. C. (See Frost and Rubardt.)
- Rubarth, Joseph, Munster, Germany. Apparatus for tilling the soil. No. 1,085,825; Feb. 3; Gaz. vol. 199; p. 88.
- Rubber & Celluloid Harness Trimming Co. (See Barry, Thomas F., assignor.)
- Rubel, Jacob, *et al.* (See Sandiford, Green W., assignor.)
- Rubert, George L., assignor of one-half to L. W. Warren, La Crosse, Wis. Liner-plate for cream-separators. No. 1,090,755; Mar. 17; Gaz. vol. 200; p. 802.
- Rubin, Jacob H., New Haven, Conn. Elastic heel for boots and shoes. No. 1,096,515; May 12; Gaz. vol. 202; p. 493.
- Rubin, Samuel C., Philadelphia, Pa. Coat-hanger. No. 1,088,841; Mar. 3; Gaz. vol. 200; p. 57.
- Rubio, Santos. (See Palacio y Garcia and Rubio.)
- Rubispirre, Bernard, assignor to The Improved Metal Products Company, Inc., New York, N. Y. Cover for washtubs. No. 1,098,920; June 2; Gaz. vol. 203; p. 192.
- Ruble, William P., Esmond, N. D. Internal-combustion engine. No. 1,111,183; Sept. 22; Gaz. vol. 206; p. 947.
- Rubly, Charles P., Newark, N. J., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,119,542; Dec. 1; Gaz. vol. 209; p. 222.
- Rubovits, Cora A., *et al.*, executors. (See Alshuler, Moses.)
- Rubush, George W., Washington, D. C. Machine for washing dishes, cups, and cutlery. No. 1,104,388; July 21; Gaz. vol. 204; p. 839.
- Ruby, Chauncy B., Le Mars, Iowa. Wire-winder. No. 1,086,225; Feb. 3; Gaz. vol. 199; p. 227.
- Ruby, John E., Indianapolis, Ind. Animal-trap. No. 1,116,127; Nov. 3; Gaz. vol. 208; p. 227.
- Ruch, Harvie W., Oakland, Cal. Rake. No. 1,113,488; Oct. 13; Gaz. vol. 207; p. 420.
- Rucker, Martin D., Purley, England. Tire for vehicles. No. 1,106,113; Aug. 4; Gaz. vol. 205; p. 185.
- Ruckle, Edward H., and E. J. Kennedy, assignors to Hughes Electric Heating Company, Chicago, Ill. Water-heater. No. 1,122,423; Dec. 29; Gaz. vol. 209; p. 1381.
- Ruckstinat, Johannes, Toronto, Ontario, Canada. Apparatus for bending tubes. No. 1,099,669; June 9; Gaz. vol. 203; p. 489.
- Rudd, Henry A., and F. B. Collins, Barberton, Ohio, assignors to The Diamond Match Company, Chicago, Ill. Jack for portable hoists. No. 1,109,148; Sept. 1; Gaz. vol. 206; p. 103.
- Rudd, William, and J. C. Williams, assignors of one-fifth to J. V. Denson, Opelika, Ala. Nut-lock. No. 1,095,928; May 5; Gaz. vol. 202; p. 255.
- Rudder, Frank P., Derby, assignor to George Fletcher and Company, Limited, Litchurch, Derby, England. Steam-generator. No. 1,102,959; July 7; Gaz. vol. 204; p. 255.
- Ruddick, John J., West Newton, Mass., assignor to United States Electric Signal Co. Signal system. No. 1,112,385; Sept. 29; Gaz. vol. 206; p. 1398.
- Ruddock, Hubert M. (See Anderson and Ruddock.)
- Ruddy, James B., Medina, Wash. Weeding device. No. 1,107,705; Aug. 18; Gaz. vol. 205; p. 836.
- Rude, Ole G., Sacred Heart, Minn. Shaft attachment for vehicle-runners. No. 1,105,103; July 28; Gaz. vol. 204; p. 1135.
- Rüdenberg, Reinhold, Charlottenburg, assignor to Siemens-Schuckert Werke, G. m. b. H., Berlin, Germany. Means for protecting electric circuits from excessively-high differences of potential and similar disturbances. No. 1,093,477; Apr. 14; Gaz. vol. 201; p. 496.
- Ruder, Carl, Wandsbek, near Hamburg, Germany. Making isoprene. No. 1,087,261; Feb. 17; Gaz. vol. 199; p. 682.
- Ruder, Carl, Wandsbek, Germany. Producing a mixture of camphene and isobornyl acetate from pinene hydrochlorid. No. 1,105,378; July 28; Gaz. vol. 204; p. 1235.
- Ruder, William E., Schenectady, N. Y., assignor to General Electric Company. Silicon steel. No. 1,110,010; Sept. 8; Gaz. vol. 206; p. 449.
- Rudisill, Hiram, Greencastle, Ind. Truss. No. 1,104,141; July 21; Gaz. vol. 204; p. 753.
- Rudisill, Michael E., Henry River, N. C. Thread-guide. No. 1,122,162; Dec. 22; Gaz. vol. 209; p. 1255.
- Rudloff, Martin, Chicago, Ill. Safety-pocket. No. 1,116,128; Nov. 3; Gaz. vol. 208; p. 227.
- Rudolf, Clinton F., Chicago, Ill. Combined inventory-ticket and stock-sheet. No. 1,114,811; Oct. 27; Gaz. vol. 207; p. 975.
- Rudolph, Alfred J., Philadelphia, Pa. Ground-joint coupling. No. 1,112,479; Oct. 6; Gaz. vol. 207; p. 22.
- Rudolph, Edward P., Cleveland, Ohio. Vibrator. No. 1,088,242; Feb. 24; Gaz. vol. 199; p. 1068.
- Rudolph, Franklin, Chicago, Ill., assignor to American Can Company, New York, N. Y. Hermetically closing filled preserving-cans. No. 1,086,730; Feb. 10; Gaz. vol. 199; p. 447.
- Rudolph, Franklin, Chicago, Ill., assignor to American Can Company, New York, N. Y. Oven for drying or baking coated metal vessels or other articles. No. 1,086,731; Feb. 10; Gaz. vol. 199; p. 447.
- Rudolph, George W., Boonville, Ind. Throttle-valve. No. 1,092,748; Apr. 7; Gaz. vol. 201; p. 215.
- Rudolph, Joseph, Boston, Mass. Extension-bed. No. 1,096,760; May 12; Gaz. vol. 202; p. 575.
- Rudolph-Myers Manufacturing Co. (See Myers, Edgar W., assignor.)
- Rudolph Wurlitzer Manufacturing Company, The. (See Blohut, Joseph, assignor.)
- Rudolph Wurlitzer Manufacturing Company, The. (See De Kleist, August, assignor.)
- Rudolph Wurlitzer Manufacturing Company, The. (See De Kleist and McCormick, assignors.)
- Rudolph Wurlitzer Manufacturing Company, The. (See Hope-Jones, Robert, assignor.)
- Rudolph Wurlitzer Manufacturing Company, The. (See McCormick, Frank L., assignor.)
- Rudolph, Frank, Montclair, N. J., assignor to American Can Company, New York, N. Y. Conveyer for sheets of materials. No. 1,104,548; July 21; Gaz. vol. 204; p. 897.
- Rudolph, Herman J., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Type, matrix, space, &c., for typographical machines. No. 1,122,541; Dec. 29; Gaz. vol. 209; p. 1423.
- Ruebel, D. A., *et al.* (See Ellis, Thomas H., assignor.)

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- Ruegg, Anton A., San Francisco, Cal. Internal-combustion engine. No. 1,120,979; Dec. 15; Gaz. vol. 209; p. 806.
- Ruehlmann, Philipp, Camden, N. J. Stiffener for traveling-bags. No. 1,092,541; Apr. 7; Gaz. vol. 201; p. 144.
- Ruemelin, Richard, Philadelphia, Pa. Lubricator for hoisting-engines. No. 1,119,880; Dec. 8; Gaz. vol. 209; p. 372.
- Ruetschi, Hermann A., Pueblo, Colo. Measuring and delivering machine. No. 1,097,471; May 19; Gaz. vol. 202; p. 867.
- Ruf, Henry C., Easton, Pa. Stopping apparatus for motor-cars. No. 1,121,404; Dec. 15; Gaz. vol. 209; p. 955.
- Ruff, Christian S., Riverside, N. J. Adjustable crank-hanger for polycycles. No. 1,093,729; Apr. 21; Gaz. vol. 201; p. 624.
- Ruff, Christian S., Riverside, N. J. Adjustable and collapsible autocycle seat-back. No. 1,113,833; Oct. 13; Gaz. vol. 207; p. 540.
- Ruff, Frederick A., Newark, N. J. Tire-inflating apparatus. No. 1,098,173; May 26; Gaz. vol. 202; p. 1157.
- Ruff, Mathew V., Smyrna, Ga. Automatic air-cushion and shock-absorber. No. 1,103,084; July 14; Gaz. vol. 204; p. 346.
- Ruffner, Earl S., Wichita Falls, Tex. Valve. No. 1,097,730; May 26; Gaz. vol. 202; p. 1001.
- Rugg, Joe L., Kansas City, Mo. Aeroplane. No. 1,084,168; Jan. 13; Gaz. vol. 198; p. 332.
- Rüggeberg, Wilhelm, Barmen, Germany. Skirt-frame. No. 1,083,704; Jan. 6; Gaz. vol. 198; p. 147.
- Ruggles, Frank W., assignor of one-half to Alma Manufacturing Company, Alma, Mich. Governor for gas-engines. No. 1,102,085; June 30; Gaz. vol. 203; p. 1466.
- Ruggles, Frederick W., Hudson, assignor, by mesne assignments, to United States Hopper Company, Boston, Mass. Feed-hopper. No. 1,089,011; Mar. 3; Gaz. vol. 200; p. 115.
- Ruggles, Harvey J., Jackson, Mich. Safety-valve for pneumatic tires. No. 1,114,047; Oct. 20; Gaz. vol. 207; p. 652.
- Ruggles, Henry B. (See Naylor and Ruggles.)
- Ruggles, Walter G. (See Klingemann and Ruggles.)
- Ruggles, William B., Bayonne, N. J. Drier. No. 1,105,927; Aug. 4; Gaz. vol. 205; p. 119.
- Rugh, Harry O., Sandwich, Ill., assignor, by mesne assignments, to Hall Switch & Signal Company. Call-box. No. 1,095,358; May 5; Gaz. vol. 202; p. 63.
- Rugh, Harry O., Sandwich, Ill., assignor, by mesne assignments, to Hall Switch & Signal Company. Call-box. No. 1,095,525; May 5; Gaz. vol. 202; p. 121.
- Rugh, Harry O., Sandwich, Ill., assignor, by mesne assignments, to Hall Switch & Signal Company. Substation signaling apparatus. No. 1,105,842; Aug. 4; Gaz. vol. 205; p. 90.
- Rugh, Harry O., Sandwich, Ill., assignor, by mesne assignments, to Hall Switch & Signal Company. Control system. No. 1,105,843; Aug. 4; Gaz. vol. 205; p. 90.
- Rugh, Harry O., Sandwich, Ill., assignor, by mesne assignments, to Hall Switch & Signal Company. Substation signal-receiving device. No. 1,106,680; Aug. 11; Gaz. vol. 205; p. 426.
- Rugh, Harry O., Sandwich, Ill., assignor, by mesne assignments, to The Hall Switch & Signal Company. Selector apparatus. No. 1,112,841; Oct. 6; Gaz. vol. 207; p. 150.
- Rugh, Harry O., Sandwich, Ill., assignor, by mesne assignments, to Hall Switch & Signal Company. Calling device. No. 1,114,048; Oct. 20; Gaz. vol. 207; p. 653.
- Rugh, Harry O., Sandwich, Ill., assignor, by mesne assignments, to Hall Switch & Signal Company. Signaling system. No. 1,114,049; Oct. 20; Gaz. vol. 207; p. 653.
- Rugh, Harry O., Sandwich, Ill., assignor, by mesne assignments, to Hall Switch & Signal Company. Selective signaling system. No. 1,115,977; Nov. 3; Gaz. vol. 208; p. 175.
- Ruhe, Carleton, Olean, N. Y. Machine for brushing sole-leather. No. 1,112,163; Sept. 29; Gaz. vol. 206; p. 1320.
- Ruhmann, Benjamin, Newark, N. J. Clasp or holding device. No. 1,111,184; Sept. 22; Gaz. vol. 206; p. 947.
- Ruhoff, Otto E., Madison, Wis. Zinc-furnace. No. 1,121,874; Dec. 22; Gaz. vol. 209; p. 1156.
- Ruka, William A., Jr., Phillips, Wis. Potato-harvesting machine. No. 1,086,563; Feb. 10; Gaz. vol. 199; p. 389.
- Rule, Golden, assignor, by mesne assignments, to D. M. Clark, Washington, D. C. Type-clamp. No. 1,113,249; Oct. 13; Gaz. vol. 207; p. 334.
- Rule, Percy B. (See McMurray and Rule.)
- Rulu Gas Lighter Company. (See Rutz and Luethe, assignors.) (Reissue.)
- Rulu Gas Lighter Company. (See Rutz, Luethe, and Rutz, assignors.)
- Rumage, Walter R., Stapleton, N. Y. Waterproof receptacle. No. 1,113,834; Oct. 13; Gaz. vol. 207; p. 540.
- Rumans, Roy F., Clark, Mo. Separable connection for checkreins. No. 1,085,164; Jan. 27; Gaz. vol. 198; p. 732.
- Rumbarger, Victor E., Dayton, Ohio. Electrical display. No. 1,113,250; Oct. 13; Gaz. vol. 207; p. 334.
- Rumbaugh, Charles M., Elkhart, Iowa. Door-securing means. No. 1,101,884; June 30; Gaz. vol. 203; p. 1394.
- Rumbaugh, Charles M., Elkhart, Iowa. Door-securing means. No. 1,107,362; Aug. 18; Gaz. vol. 205; p. 712.
- Rumble, Frank L., assignor to The Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Distance gas-lighter. No. 1,087,464; Feb. 17; Gaz. vol. 199; p. 753.
- Rumble, Frank L., and W. E. Volz, assignors to The Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Gas-booster. No. 1,122,804; Dec. 29; Gaz. vol. 209; p. 1516.
- Rumble, William, Jr., Cranford, N. J. Belt-buckle. No. 1,099,886; June 9; Gaz. vol. 203; p. 563.
- Rumely, Edward A., assignor to M. Rumely Company, Laporte, Ind. Traction-wheel. No. 1,104,934; July 28; Gaz. vol. 204; p. 1078.
- Rumford, John A., *et al.* (See Harling, Walter, assignor.)
- Rumley, Luther M., and C. H. McFarling, Supply, Okla. Cultivator. No. 1,092,665; Apr. 7; Gaz. vol. 201; p. 187.
- Rummel, William L., McLean, Nebr. Block system for railways. No. 1,101,663; June 30; Gaz. vol. 203; p. 1318.
- Rummel, William L., South Sioux, Nebr. Train-stopping device. No. 1,101,664; June 30; Gaz. vol. 203; p. 1318.
- Rummler, Edgar F., New York, assignor to Smith, Gray & Co., Brooklyn, N. Y. Apparatus for sponging and refinishing cloth. No. 1,086,086; Feb. 3; Gaz. vol. 199; p. 182.
- Rumney, Fred A., Somerville, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Eyeletting-machine. No. 1,122,310; Dec. 29; Gaz. vol. 209; p. 1345.
- Rumney, John G. (See Briggs and Rumney.)
- Rumolino, Santo, Genoa, Italy. Marine governor. No. 1,107,844; Aug. 18; Gaz. vol. 205; p. 884.
- Rumpf, Harry J., Halethorp, Md., assignor of one-half to L. H. Phelps, Westfield, N. J. Relief-valve. No. 1,102,549; July 7; Gaz. vol. 204; p. 115.
- Rumrill, Albert L., West Somerville, Mass. Feed-bag holder. No. 1,092,863; Apr. 14; Gaz. vol. 201; p. 289.
- Rumrill, Albert L., West Somerville, Mass. Attachment for rakes. No. 1,108,624; Aug. 25; Gaz. vol. 205; p. 1202.
- Rund, John V., Pesotum, Ill. Trip mechanism. No. 1,115,579; Nov. 3; Gaz. vol. 208; p. 38.
- Rund, John V., Pesotum, Ill. Automatic safety-stop for trains. No. 1,119,881; Dec. 8; Gaz. vol. 209; p. 373.
- Rundgren, Nels. (See Johnson and Rundgren.)
- Rundle, Fred A., assignor to Whiting Foundry Equipment Company, Harvey, Ill. Screw-jack locomotive-hoist. No. 1,107,706; Aug. 18; Gaz. vol. 205; p. 836.
- Rundle, William R., *et al.* (See McCoy, Charles W., assignor.)
- Rundlett, Ellsworth T., Portland, Me. Machine for skinning fish. No. 1,094,597; Apr. 28; Gaz. vol. 201; p. 974.
- Rundlett, William D., assignor to Davis & Furber Machine Company, North Andover, Mass. Condensing apparatus for carding-machines. No. 1,103,541; July 14; Gaz. vol. 204; p. 503.
- Rundquist, Fritz, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Fender-vibrator-wiring-in machine. No. 1,112,164; Sept. 29; Gaz. vol. 206; p. 1320.
- Rundquist, William, assignor of one-half to H. G. Weatherill, Elgin, Ill. Lawn-sprinkler. No. 1,100,493; June 16; Gaz. vol. 203; p. 810.
- Runge, Carl. (See Wackerow, George L., assignor.)
- Runkel, Emil. (See Newhouse and Runkel.)
- Runner, Emma A., Ithaca, N. Y. Glove-finger-turning device. No. 1,104,006; July 21; Gaz. vol. 204; p. 707.
- Runner, Joseph E., and W. A. Pfisterer, Dunkirk, Ind. Dry cell. No. 1,112,480; Oct. 6; Gaz. vol. 207; p. 23.
- Running, William. (See Kopp and Running.)
- Runnquist, Claes G., assignor to Aktiebolaget Separator, Stockholm, Sweden. Liquid-supply-regulating device for cream-separators. No. 1,101,964; June 30; Gaz. vol. 203; p. 1423.
- Runtz, George, *et al.* (See MacRae, John G., assignor.)
- Runtz, George. (See Salisbury, Ernest, assignor.)
- Rupp, Arthur G. (See Nicola and Rupp.)
- Rupp, Burton S., Salt Lake City, Utah. Metallic tie. No. 1,086,404; Feb. 10; Gaz. vol. 199; p. 333.
- Rupp, Burton S., and J. W. Johnson, Salt Lake City, Utah, assignors to Universal Metallic Tie Company. Metallic tie. (Reissue.) No. 13,729; May 12; Gaz. vol. 202; p. 599.
- Rupp, Joseph H., Lower Allen township, Cumberland county, Pa. Elevator. No. 1,116,129; Nov. 3; Gaz. vol. 208; p. 227.
- Ruppel, Charles, Philadelphia, Pa. Talking-machine. No. 1,104,935; July 28; Gaz. vol. 204; p. 1078.
- Ruppel, Henry, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Wick. No. 1,089,966; Mar. 10; Gaz. vol. 200; p. 491.
- Ruppel, Henry, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Means for raising combustion-tubes on blue-flame wick-stoves. No. 1,103,845; July 14; Gaz. vol. 204; p. 611.

Alphabetical list of patentees—Continued.

- Ruppel, Henry, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Wick-regulator for blue-flame wick-stoves. No. 1,113,835; Oct. 13; Gaz. vol. 207; p. 541.
- Ruppelt, Philipp A., Steamboat Rock, Iowa. Clothes-pounder. No. 1,107,707; Aug. 18; Gaz. vol. 205; p. 836.
- Ruppert, Friedrich. (See Collischonn and Ruppert.)
- Ruppert, William A., New York, N. Y. Vessel for freight or passengers. No. 1,089,674; Mar. 10; Gaz. vol. 200; p. 391.
- Ruprecht, Charles C., Cleveland, Ohio. Method of and apparatus for rectifying electric currents. No. 1,121,764; Dec. 22; Gaz. vol. 209; p. 1116.
- Rüprich, Willy, Dortmund, Germany. Machine for cleaning bottles. No. 1,100,200; June 16; Gaz. vol. 203; p. 709.
- Rusan, McClellan, Manitou Springs, Colo. Air-screen for windows and doors. No. 1,094,680; Apr. 28; Gaz. vol. 201; p. 1006.
- Rusby, John M., assignor to The United Gas Improvement Company, Philadelphia, Pa. Registering-meter for gas and the like. No. 1,105,581; July 28; Gaz. vol. 204; p. 1304.
- Rusby, John M., assignor to The United Gas Improvement Company, Philadelphia, Pa. Controlling combustion. No. 1,106,319; Aug. 4; Gaz. vol. 205; p. 253.
- Rusby, John M., and J. H. Taussig, assignors to The United Gas Improvement Company, Philadelphia, Pa. Regulating the temperature of combustion. No. 1,110,991; Sept. 15; Gaz. vol. 206; p. 835.
- Rusby, Joseph H., Nutley, N. J. Extension-drill. No. 1,093,478; Apr. 14; Gaz. vol. 201; p. 496.
- Rusch, Henri, St. Louis, Mo. Reinforced concrete construction. No. 1,111,972; Sept. 29; Gaz. vol. 206; p. 1254.
- Rusco, Bessie A. (See Caldwell, William M., assignor.)
- Rush, Albert, assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Automatic fire-shutter. No. 1,089,347; Mar. 3; Gaz. vol. 200; p. 228.
- Rush, George F., Chicago, Ill. Lamp-socket. No. 1,106,974; Aug. 11; Gaz. vol. 205; p. 529.
- Rush, Jacob, Salem, Ind. Lawn-mower. No. 1,122,542; Dec. 29; Gaz. vol. 209; p. 1423.
- Rush, Joseph K., Syracuse, N. Y. Short-circuit detector. No. 1,115,580; Nov. 3; Gaz. vol. 208; p. 38.
- Rush, Martin V., Anderson, Ind. Ladder-bracket. No. 1,112,660; Oct. 6; Gaz. vol. 207; p. 89.
- Rushton, John W., assignor to Waltham Watch Company, Waltham, Mass. Watch case and movement lock. No. 1,088,097; Feb. 24; Gaz. vol. 199; p. 1020.
- Rushton, Kenneth, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Rear suspension for locomotives. No. 1,095,929; May 5; Gaz. vol. 202; p. 256.
- Rushworth, George A. W., Withington, England. Printing-stamp. No. 1,085,489; Jan. 27; Gaz. vol. 198; p. 841.
- Rusk, Newton, and D. Gochenauer, San Diego, Cal. Wrench. No. 1,121,668; Dec. 22; Gaz. vol. 209; p. 1083.
- Busnak, Samuel, Chicago, Ill. Sofa or davenport and bed. No. 1,105,928; Aug. 4; Gaz. vol. 205; p. 120.
- Russ, Frank H., New York, N. Y. Footstep-corrector. No. 1,118,058; Nov. 24; Gaz. vol. 208; p. 1023.
- Russ, Harry O., Swampscott, assignor of one-half to B. C. Parsons, Lynn, Mass. Detachable wheel-rim. No. 1,119,319; Dec. 1; Gaz. vol. 209; p. 144.
- Russ, John B., Shelton, and H. J. Stuart, Ansonia, assignors to The Robert N. Bassett Company, Derby, Conn. Button-tab end for hose-supporters. No. 1,090,793; Mar. 17; Gaz. vol. 200; p. 815.
- Russel, Albert W. (See Culver and Russel.)
- Russel, Michael D., Philadelphia, Pa. Propelling means for vessels. No. 1,122,647; Dec. 29; Gaz. vol. 209; p. 1460.
- Russel Motor Axle Company. (See Culver and Russel, assignors.)
- Russell, Andrew L., Midway, Pa. Truck for milk-cans. No. 1,103,689; July 14; Gaz. vol. 204; p. 560.
- Russell, Arthur, assignor to J. A. Phin, Toronto, Ontario, Canada. Advertising device. No. 1,118,370; Nov. 24; Gaz. vol. 208; p. 1133.
- Russell, Arthur L., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-lasting apparatus. No. 1,088,037; Feb. 24; Gaz. vol. 199; p. 998.
- Russell, Arthur L., Hyde Park, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,093,651; Apr. 21; Gaz. vol. 201; p. 596.
- Russell, Burdall & Ward Bolt and Nut Co. (See Ward, Boerner, and Remsen, assignors.)
- Russell, Calvin, assignor to C. H. Russell, Penn Yan, N. Y. Roofing. No. 1,087,321; Feb. 17; Gaz. vol. 199; p. 702.
- Russell, Calvin, assignor to C. H. Russell, Penn Yan, N. Y. Gage for shingles. No. 1,115,741; Nov. 3; Gaz. vol. 208; p. 93.
- Russell, Carrie H. (See Russell, Calvin, assignor.)
- Russell, Charles C., assignor to Russell Manufacturing Company, Greenfield, Mass. Screw-plate. No. 1,083,340; Jan. 6; Gaz. vol. 198; p. 27.
- Russell, Charles C., assignor to Russell Manufacturing Company, Greenfield, Mass. Screw-plate. No. 1,091,167; Mar. 24; Gaz. vol. 200; p. 979.
- Russell, Charles D., St. Paul, Minn. Railway-spike. No. 1,094,748; Apr. 28; Gaz. vol. 201; p. 1030.
- Russell, Charles D., St. Paul, Minn. Spike. No. 1,103,542; July 14; Gaz. vol. 204; p. 503.
- Russell, China, Columbus, Ohio. Telephone-mouthpiece protector. No. 1,091,965; Mar. 31; Gaz. vol. 200; p. 1293.
- Russell, Clinton W., Detroit, Mich. Bunk for logging-cars. No. 1,115,581; Nov. 3; Gaz. vol. 208; p. 38.
- Russell, Corey L., assignor of one-fourth to G. R. Larsen, Rexburg, Idaho. Vehicle-wheel. No. 1,086,333; Feb. 3; Gaz. vol. 199; p. 261.
- Russell, Edwin L., Cleveland, Ohio. Internal-combustion engine. No. 1,099,102; June 2; Gaz. vol. 203; p. 248.
- Russell, Frank V. (See Russell, Thurbur F., assignor.)
- Russell, George, *et al.* (See Appar, Thomas S., assignor.)
- Russell, Harry C., Nashua, N. H. Automatic lock for extension-ladders. No. 1,113,836; Oct. 13; Gaz. vol. 207; p. 541.
- Russell, Henry H., assignor to Electric Specialties Company, Chicago, Ill. Connector for electric conductors. No. 1,115,114; Oct. 27; Gaz. vol. 207; p. 1084.
- Russell, Herbert A., assignor of one-half to J. M. Gould, Grand Ledge, Mich. Dowel-machine. No. 1,088,372; Feb. 24; Gaz. vol. 199; p. 1112.
- Russell, James B., Seminole, Okla. Cradle. No. 1,111,921; Sept. 29; Gaz. vol. 206; p. 1239.
- Russell, James C., Pittsburgh, Pa. Apparatus for treating metal articles. No. 1,087,142; Feb. 17; Gaz. vol. 199; p. 639.
- Russell, James C., Pittsburgh, Pa. Uniting metals. No. 1,090,088; Mar. 10; Gaz. vol. 200; p. 532.
- Russell, Jesse M. (See Clark, James H., assignor.)
- Russell, John M., assignor to The John M. Russell Manufacturing Company, Incorporated, Naugatuck, Conn. Releasing-buckle. No. 1,088,373; Feb. 24; Gaz. vol. 199; p. 1113.
- Russell, John P. (See Hopwood, James D., assignor.)
- Russell, Joseph H., Laporte, Ind. Governor. No. 1,094,023; Apr. 21; Gaz. vol. 201; p. 721.
- Russell, Joseph L. (See Karcher, Otto, assignor.)
- Russell, Louis R. (See King, Weston, and Russell.)
- Russell, Louis R. (See King, Weston, Roush, and Russell.)
- Russell Manufacturing Company. (See Russell, Charles C., assignor.)
- Russell, Mott A., Atlanta, Ga. Police-nippers. No. 1,116,329; Nov. 3; Gaz. vol. 208; p. 293.
- Russell, Nelson J., Minneapolis, Minn. Pump-actuating mechanism for carbureters. No. 1,103,224; July 14; Gaz. vol. 204; p. 397.
- Russell, Percy. (See Schramm and Russell.)
- Russell, Raymond, Union, Iowa. Casting-harness. No. 1,084,169; Jan. 13; Gaz. vol. 198; p. 332.
- Russell, Thomas F., Spokane, Wash. Addressing and inserting machine. No. 1,103,846; July 14; Gaz. vol. 204; p. 611.
- Russell, Thomas H., Marion, Ind. Internal-combustion engine. No. 1,094,254; Apr. 21; Gaz. vol. 201; p. 798.
- Russell, Thomas N., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Carline. No. 1,093,652; Apr. 21; Gaz. vol. 201; p. 596.
- Russell, Thomas N., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Carline. No. 1,096,462; May 12; Gaz. vol. 202; p. 475.
- Russell, Thomas N., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car-roof. No. 1,103,085; July 14; Gaz. vol. 204; p. 346.
- Russell, Thomas W., Minneapolis, Minn. Spoon attachment for dental syringes. No. 1,121,669; Dec. 22; Gaz. vol. 209; p. 1084.
- Russell, Thurbur F., assignor to F. V. Russell, Newtonville, Mass. Trouble-lamp. No. 1,116,847; Nov. 10; Gaz. vol. 208; p. 523.
- Russell, Walter. (See Belmont and Russell.)
- Russell, William D., Fort Worth, Tex. Car-fender. No. 1,108,869; Aug. 25; Gaz. vol. 205; p. 1287.
- Russell, William E., Danbury, Conn. Circuit-closer. No. 1,119,043; Dec. 1; Gaz. vol. 209; p. 52.
- Russell, William E. and W. E., Danbury, Conn., assignors, by mesne assignments, to Lovell-McConnell Manufacturing Co. Alarm-horn. No. 1,120,627; Dec. 8; Gaz. vol. 209; p. 638.
- Russell, William E. and W. E., Danbury, Conn., assignors to Lovell-McConnell Manufacturing Company. Alarm-horn. No. 1,120,653; Dec. 8; Gaz. vol. 209; p. 646.
- Russell, William F. (See Spence and Russell.)
- Russell, William K., Kiesling Station, Wash. Checker-board. No. 1,085,941; Feb. 3; Gaz. vol. 199; p. 129.
- Russell, William M., Sapulpa, Okla. Wire-reel guard. No. 1,092,293; Apr. 7; Gaz. vol. 201; p. 59.
- Russo, Virgil A., Allentown, Pa. Ruler attachment. No. 1,091,461; Mar. 24; Gaz. vol. 200; p. 1073.
- Rust, Robert R., New York, N. Y. Molding apparatus. No. 1,119,727; Dec. 1; Gaz. vol. 209; p. 283.

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- Rutenber, Edwin A., assignor to The Rutenber Electric Company, Logansport, Ind. Electrical connection for sad-irons and the like. No. 1,091,767; Mar. 31; Gaz. vol. 200; p. 1224.
- Rutenber Electric Company, The. (See Rutenber, Edwin A., assignor.)
- Rütgerswerke - Aktiengesellschaft. (See Pau and Eberhardt, assignors.)
- Ruth, Rudolf, Mortsell, near Antwerp, Belgium. Photographic process of making prints in natural colors. No. 1,093,948; Apr. 21; Gaz. vol. 201; p. 695.
- Ruth, Rudolf, and A. Schuller, Oude-God, near Antwerp, Belgium. Polychrome screen and making the same. No. 1,091,443; Mar. 24; Gaz. vol. 200; p. 1068.
- Rutherford, William, *et al.* (See Pickering, Frederick G., assignor.)
- Ruthven, John, Indianapolis, Ind. Carbureter. No. 1,089,501; Mar. 10; Gaz. vol. 200; p. 332.
- Rutledge, Caleb C., Alvord, Tex. Plumb-level. No. 1,085,165; Jan. 27; Gaz. vol. 198; p. 732.
- Rutledge, James M., Rialto, Fla. Agricultural machinery. No. 1,088,038; Feb. 24; Gaz. vol. 199; p. 999.
- Rutledge, Jerome T., Millbury, Mass. Rivet-cloth. No. 1,106,060; Aug. 4; Gaz. vol. 205; p. 166.
- Rutledge, Robert P., R. G. Boland, and J. A. Devault, Scranton, Tex. Hobble-arch for cultivators. No. 1,094,598; Apr. 28; Gaz. vol. 201; p. 974.
- Rutledge, William T., assignor of one-half to C. A. Tripp, Redlands, Cal. Puzzle. No. 1,091,709; Mar. 31; Gaz. vol. 200; p. 1203.
- Rutten, Johannes, The Hague, Netherlands. Safety device for gas systems. No. 1,099,619; June 9; Gaz. vol. 203; p. 471.
- Rutter, Conrad C., New Duluth, Minn. Nut-lock. No. 1,091,894; Mar. 31; Gaz. vol. 200; p. 1269.
- Rütti, Benedikt, Balsthal, Switzerland. Locking device for double French glazed windows and doors. No. 1,119,194; Dec. 1; Gaz. vol. 209; p. 103.
- Rutty, Elizabeth L. (See Rutty and Edward, assignors.)
- Rutty, Winifred A., and J. B. Edward, Ilford, England; said Edward assignor to E. L. Rutty. Book marker or indicator. No. 1,089,348; Mar. 3; Gaz. vol. 200; p. 229.
- Rutz, Arnold O. (See Rutz, Lueth, and Rutz.)
- Rutz, Arnold O., Milwaukee, Wis. Flash-igniter. No. 1,101,146; June 23; Gaz. vol. 203; p. 1089.
- Rutz, Arnold O. and J. F., Milwaukee, Wis. Boring-machine. No. 1,114,531; Oct. 20; Gaz. vol. 207; p. 827.
- Rutz, Julius F. (See Rutz, Arnold O. and J. F.)
- Rutz, Julius F., and J. K. Lueth, assignors to Rulu Gas Lighter Company, Milwaukee, Wis. Igniter-torch for gas-burners. (Reissue.) No. 13,732; May 19; Gaz. vol. 202; p. 916.
- Rutz, Julius F., J. K. Lueth, and A. O. Rutz, assignors to Rulu Gas Lighter Company, Milwaukee, Wis. Drill-press. No. 1,108,933; Sept. 1; Gaz. vol. 206; p. 26.
- Ruud, Edwin, Pittsburgh, Pa. Thermostatic valve mechanism. No. 1,090,654; Mar. 17; Gaz. vol. 200; p. 772.
- Ruwell, William F., Philadelphia, Pa. Discharge-valve. No. 1,120,545; Dec. 8; Gaz. vol. 209; p. 607.
- Ruwell, William F., Philadelphia, Pa. Suction-valve. No. 1,120,546; Dec. 8; Gaz. vol. 209; p. 608.
- Ryalls, John H., Charlottesville, Va., assignor, by mesne assignments, to Ryalls Machine Company. Reversing mechanism for the band-cylinders of spinning-mules. (Reissue.) No. 13,692; Feb. 24; Gaz. vol. 199; p. 1212.
- Ryalls, John H., Charlottesville, Va., assignor to Ryalls Machine Company, of Virginia. Reversing mechanism for the band-cylinders of spinning-mules. No. 1,094,100; Apr. 21; Gaz. vol. 201; p. 747.
- Ryalls Machine Company. (See Ryalls, John H., assignor.)
- Ryalls Machine Company. (See Ryalls, John H., assignor.) (Reissue.)
- Ryan, Charles. (See Keiser and Ryan.)
- Ryan, Johanna L., Rochester, N. Y. Game apparatus. No. 1,115,246; Oct. 27; Gaz. vol. 207; p. 1131.
- Ryan, John L., Bayonne, N. J. Key. No. 1,094,478; Apr. 28; Gaz. vol. 201; p. 934.
- Ryan, Joseph P. (See Klass, Benjamin F., assignor.)
- Ryan, Michael B., Bridgeport, Conn. Making welded chain. No. 1,093,207; Apr. 14; Gaz. vol. 201; p. 407.
- Ryan, Michael B., Bridgeport, Conn. Chain-link. No. 1,093,208; Apr. 14; Gaz. vol. 201; p. 407.
- Ryan, Michael B., Bridgeport, Conn. Wire chain-link. No. 1,093,209; Apr. 14; Gaz. vol. 201; p. 408.
- Ryan, Michael C., Phoenix, N. Y. Electric-light flasher. No. 1,121,292; Dec. 15; Gaz. vol. 209; p. 916.
- Ryan, Patrick, assignor of one-fourth to J. H. McGann, one-fourth to S. Brand, and one-fourth to T. F. Duffy, New York, N. Y. Carousel. No. 1,107,115; Aug. 11; Gaz. vol. 205; p. 574.
- Ryan, Patrick F., Syracuse, N. Y. Grass-shears. No. 1,107,227; Aug. 11; Gaz. vol. 205; p. 617.
- Ryan, Paul, Manilla, Iowa. Vegetable-cutting machine. No. 1,099,205; June 9; Gaz. vol. 203; p. 329.
- Ryan, Thomas B., New Bedford, Mass. Safety-pocket. No. 1,089,270; Mar. 3; Gaz. vol. 200; p. 204.
- Ryan, Thomas G., Lincoln, Nebr. Package of fencing material. No. 1,091,590; Mar. 31; Gaz. vol. 200; p. 1162.
- Ryan, Walter D., Watertown, S. D., assignor to General Electric Company. Illuminator. No. 1,091,710; Mar. 31; Gaz. vol. 200; p. 1204.
- Ryan, Walter S., New York, N. Y. Sign-flashing mechanism. No. 1,100,917; June 23; Gaz. vol. 203; p. 1010.
- Ryan, William F. (See Sertell and Ryan.)
- Ryan, William J., Sapulpa, Okla. Sign-printer. No. 1,092,749; Apr. 7; Gaz. vol. 201; p. 215.
- Ryan, William J., Sapulpa, Okla. Emergency-brake. No. 1,100,623; June 16; Gaz. vol. 203; p. 853.
- Ryan, William M. (See Holdaway and Ryan.)
- Ryan, William M., Heber, Utah. Mowing-machine divider-rod attachment. No. 1,097,821; May 26; Gaz. vol. 202; p. 1033.
- Rybánsky, Paul, Hoboken, N. J. Knife-sharpener. No. 1,111,273; Sept. 22; Gaz. vol. 206; p. 977.
- Ryckman, John, Minneapolis, Minn. Kerosene-gas generator and burner. No. 1,105,104; July 28; Gaz. vol. 204; p. 1135.
- Ryden, Claes, Cranston, R. I., assignor to Universal Winding Company, Portland, Me. Variable-speed device. No. 1,085,942; Feb. 3; Gaz. vol. 199; p. 129.
- Ryden, Claes, Providence, R. I., assignor to Universal Winding Company, Portland, Me. Speed-controlling device. No. 1,089,793; Mar. 10; Gaz. vol. 200; p. 431.
- Ryder, Charles D., Stamford, Conn. Water-pipe system. No. 1,119,882; Dec. 8; Gaz. vol. 209; p. 374.
- Ryder, Enoch W., Dowagiac, Mich. Fruit-ladder. No. 1,119,883; Dec. 8; Gaz. vol. 209; p. 374.
- Ryder, Ernest N., Brewster, N. Y. Holder for X-ray tubes. No. 1,120,748; Dec. 15; Gaz. vol. 209; p. 726.
- Ryder, Henry, New York, N. Y., assignor, by mesne assignments to Niagara Cordage Company. Spinning-machine. No. 1,113,489; Oct. 13; Gaz. vol. 207; p. 421.
- Ryder, Justus V., *et al.* (See Jolliffe, Mark B., assignor.)
- Ryder, Malcolm P., Springfield, Mass. Starting device for internal-combustion engines. No. 1,087,465; Feb. 17; Gaz. vol. 199; p. 754.
- Ryder, Silas E., Muskogee, Okla. Rope-clamp. No. 1,094,255; Apr. 21; Gaz. vol. 201; p. 799.
- Ryding, Herbert C., Birmingham, Ala. Treating ingots. No. 1,108,243; Aug. 25; Gaz. vol. 205; p. 1070.
- Rye, John H., Boissevain, Va., and J. E. Flexner, Gary, W. Va. Device for closing sliding doors. No. 1,118,811; Nov. 24; Gaz. vol. 208; p. 1285.
- Ryer, William H., Sr., Pueblo, Colo. Stove. No. 1,116,742; Nov. 10; Gaz. vol. 208; p. 482.
- Rynda, Joseph T., New Prague, Minn. Wheel. No. 1,098,590; June 2; Gaz. vol. 203; p. 81.
- Ryneason, Eugene, Dallas, Tex. Meter-box. No. 1,092,400; Apr. 7; Gaz. vol. 201; p. 95.
- Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin-stripper. No. 1,115,115; Oct. 27; Gaz. vol. 207; p. 1084.
- Ryon, Ross W., Washington, D. C. Cooker. No. 1,086,940; Feb. 10; Gaz. vol. 199; p. 520.
- Rypinski, Maurice C., Braddock, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature-indicator. No. 1,108,934; Sept. 1; Gaz. vol. 206; p. 27.
- Ryther, Frank A., Chicago, Ill., assignor to International Harvester Company. Reaper. No. 1,090,944; Mar. 24; Gaz. vol. 200; p. 900.
- Ryther & Pringle Company. (See Barienger, James M., assignor.)
- S. Cheney & Son. (See Porter, William S., assignor.)
- S. Howes Co., The. (See McPhayden, John A., assignor.)
- S. Karpen & Bros. (See Gundersen, Sivert, assignor.)
- S. Karpen & Bros. (See Karpen, Solomon, assignor.)
- S. Smith & Son. (See Dorer, Primus O., assignor.)
- S. A. Woods Machine Company. (See Kendall, Lemuel C., assignor.)
- S. E. T. Valve & Hydrant Company, New York. (See Tyler and Every, assignors.)
- S. F. Bowser & Co. (See Bechtold and Grosvenor, assignors.)
- S. F. Bowser & Co. (See Caskey, Edgar M., assignor.)
- S. F. Bowser & Co. (See Corey and Grosvenor, assignors.)
- S. F. Bowser & Co. (See De Vilbiss, Thomas D., assignor.)
- S. F. Bowser & Co. (See Johnson, Robert S., assignor.)
- S. F. Bowser & Company. (See Bowser, Allen A., assignor.)
- S. F. Bowser & Company. (See Bowser, Lafayette E., assignor.)
- S. F. Bowser & Company. (See Bowser, Sylvanus F., assignor.)
- S. F. Bowser & Company. (See Bowser and Mulligan, assignors.)
- S. F. Bowser & Company. (See Morris, William L., assignor.)
- S. F. Bowser & Company. (See Mulligan, Thomas F., assignor.)
- S. F. Bowser & Company. (See Wyckoff, Andrew D., assignor.)
- S. H. Couch Co. (See Henry, William W., assignor.)
- S. H. Pomeroy Company. (See Fromhold, Alexander, assignor.)
- S & M Electric Company. (See Cotton, Walter H., assignor.)
- S. M. M. Manufacturing Corporation. (See Maisch, August T., assignor.)
- S. O. & C. Co., The. (See Buckminster, Ira C., assignor.)
- S. R. Dresser Manufacturing Company. (See Dresser, Solomon R., assignor.)

Alphabetical list of patentees—Continued.

- S. R. Smythe Company, The. (See Smythe, Horace E., assignor.)
- S. S. Hepworth Company. (See Mackintosh, Edward D., assignor.)
- S. S. Wenzell Machine Company. (See Van Leir, Henry W., assignor.)
- S. S. White Dental Manufacturing Company, The. (See Arden, Thomas R., assignor.)
- S. S. White Dental Manufacturing Company, The. (See Browne and Wallace, assignors.)
- S. S. White Dental Manufacturing Company, The. (See Davis, John B., assignor.)
- S. S. White Dental Manufacturing Company, The. (See Johnston, William A., assignor.)
- Saam, Valentine, Rochester, Minn. Valve for pneumatic tires. No. 1,120,088; Dec. 8; Gaz. vol. 209; p. 444.
- Sabatino, John, Queens, N. Y. Vibratory massage apparatus. No. 1,106,893; Aug. 11; Gaz. vol. 205; p. 501.
- Sabin, Belle C., Chicago, Ill. Pie-pan. No. 1,097,367; May 19; Gaz. vol. 202; p. 832.
- Sabine, Gustavus A., Robinson, Md. Alarm system. No. 1,099,397; June 9; Gaz. vol. 203; p. 396.
- Sabine, Wallace C., Boston, Mass., and R. Guastavino, Brooklyn, N. Y. Wall and ceiling of auditoriums and the like. No. 1,119,543; Dec. 1; Gaz. vol. 209; p. 223.
- Sablon, Florent, Faches-Thumesnil, assignor to Société Anonyme Electrique de Chumesnil, Chumesnil-lez-Lille, France. Electric battery and accumulator. No. 1,088,374; Feb. 24; Gaz. vol. 199; p. 1113.
- Sablove, Victor, Philadelphia, Pa. Skirt, petticoat, and the like. No. 1,084,968; Jan. 20; Gaz. vol. 198; p. 628.
- Sabó, Charles, Pittsburgh, Pa. Life-boat. No. 1,117,523; Nov. 17; Gaz. vol. 208; p. 796.
- Sabo, Edmund. (See Heron and Sabo.)
- Sabo, John, Cleveland, Ohio. Motor-cycle lock. No. 1,121,405; Dec. 15; Gaz. vol. 209; p. 955.
- Sabo, John, assignor, by mesne assignments, to L. Sands, Cleveland, Ohio. Valve-operating mechanism. No. 1,089,382; Mar. 3; Gaz. vol. 200; p. 240.
- Sabo, Paul, Racine, Wis. Sliding-jaw wrench. No. 1,111,616; Sept. 22; Gaz. vol. 206; p. 1095.
- Sabonadier, Paul, and E. D'Eaubonne, Paris, France. Manufacture of carpets and similar fabrics. No. 1,102,170; June 30; Gaz. vol. 203; p. 1496.
- Sachcharinfabrik Aktiengesellschaft vorm. Fahlberg, List & Co. *et al.* (See Overlach and Körner, assignors.)
- Sacerdote, Guido, assignor to The Metal Treating & Equipment Co., Inc., New York, N. Y. Electroplating solution. No. 1,109,181; Sept. 1; Gaz. vol. 206; p. 116.
- Sacerdote, Secondo. (See Gonella and Sacerdote.)
- Sachs, Joseph, assignor, by mesne assignments, to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Magnetic lamp-support. No. 1,121,293; Dec. 15; Gaz. vol. 209; p. 917.
- Sachse, George, Baltimore, Md. Shoe-bow. No. 1,090,882; Mar. 24; Gaz. vol. 200; p. 879.
- Sachtleben, Friedrich, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Ammunition-box. No. 1,120,244; Dec. 8; Gaz. vol. 209; p. 500.
- Sackett, August J., Baltimore, Md. Grinding-mill. No. 1,098,174; May 26; Gaz. vol. 202; p. 1157.
- Sackett, Charles E., Danbury, Conn. Belt-clamp. No. 1,085,633; Feb. 3; Gaz. vol. 199; p. 19.
- Sackett, Frank V., La Grange, Ill. Sprinkler-head. No. 1,107,845; Aug. 18; Gaz. vol. 205; p. 884.
- Sackett, Frank V., La Grange, Ill., assignor to General Fire Extinguisher Company, Providence, R. I. Automatic valve-alarm system. No. 1,090,237; Mar. 17; Gaz. vol. 200; p. 626.
- Sackett, James E., Monticello, N. Y. Wheel. No. 1,095,600; May 5; Gaz. vol. 202; p. 146.
- Sackman, Daniel R., Cleveland, Ohio. Pneumatic pistol. No. 1,112,563; Oct. 6; Gaz. vol. 207; p. 54.
- Sacks, Joseph. (See Kelly, John B., assignor.)
- Saco-Lowell Shops. (See Blake, Edmund E., assignor.)
- Saco-Lowell Shops. (See Blanchard, Harry E., assignor.)
- Saco-Lowell Shops. (See Curley and Moss, assignors.)
- Saco-Lowell Shops. (See Lovejoy, Charles E., assignor.)
- Saco-Lowell Shops. (See Penney, Loren W., assignor.)
- Saco-Lowell Shops. (See Thompson, Albert W., assignor.)
- Sadler, Charles W., Windsor Locks, Conn. Ironing-machine. No. 1,110,828; Sept. 15; Gaz. vol. 206; p. 779.
- Sadler, Francis W., Norristown, Pa. Soluble brush. No. 1,113,054; Oct. 6; Gaz. vol. 207; p. 222.
- Sadlock, Andrew, Uniontown, Pa. Rail-joint. No. 1,100,784; June 23; Gaz. vol. 203; p. 961.
- Sadovsky, Nathan, San Antonio, Tex. Printing-press. No. 1,088,732; Mar. 3; Gaz. vol. 200; p. 21.
- Sadtler, Wilhelm, Homburg-on-the-Höhe, assignor to Firm of E. P. Lehmann, Brandenburg-on-the-Havel, Germany. Toy. No. 1,094,749; Apr. 28; Gaz. vol. 201; p. 1030.
- Sadus, Joseph, Filbert, W. Va. Non-skid device. No. 1,099,939; June 16; Gaz. vol. 203; p. 618.
- Sadus, Joseph and W. Filbert, W. Va. Automobile sled. No. 1,109,182; Sept. 1; Gaz. vol. 206; p. 116.
- Sadus, Walenty. (See Sadus, Joseph and W.)
- Saegmuller, George N., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Surveyor's level. No. 1,115,026; Oct. 27; Gaz. vol. 207; p. 1053.
- Saenger, Arthur F., *et al.* (See Hopkes, Henry, assignor.)
- Safberg, Bror F., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Pipe-fitting. No. 1,117,251; Nov. 17; Gaz. vol. 208; p. 700.
- Safe Deposit & Trust Co. of Pgh., executor. (See Patterson, Peter.)
- Safety Armored Conduit Company. (See Buch, Newton W., assignor.)
- Safety Car Heating and Lighting Company. (See Creveling, John L., assignor.)
- Safety Car Heating & Lighting Company. (See Sofio and Schepmoes, assignors.)
- Safety Engineering Company. (See Freer and Greer, assignors.)
- Safety Window Platform Company. (See Scholey, Joseph M., assignor.)
- Safford, Clarence E., Detroit, Mich. Pressed-sheet-metal radiator. No. 1,115,742; Nov. 3; Gaz. vol. 208; p. 94.
- Safford, Orrin E., *et al.* (See Bricker, Edward J., assignor.)
- Sagar, Lester W. (See Sagar, William M. and L. W.)
- Sagar, William M. and L. W., Brooklyn, N. Y. Cutting device. No. 1,095,032; Apr. 28; Gaz. vol. 201; p. 1128.
- Sage, Ralph V., Westmont, Pa. Dumping-car. No. 1,083,563; Jan. 6; Gaz. vol. 198; p. 100.
- Sage, Ralph V., Westmont, Pa. Car-door mechanism. No. 1,085,300; Jan. 27; Gaz. vol. 198; p. 779.
- Sage, Ralph V., Westmont, Pa. Dump-car. No. 1,087,184; Feb. 17; Gaz. vol. 199; p. 652.
- Sage, Ralph V., Westmont borough, Pa. Steel box-car. No. 1,092,456; Apr. 7; Gaz. vol. 201; p. 115.
- Sage, Ralph V., Columbus, Ohio. Metallic box-car. No. 1,110,403; Sept. 15; Gaz. vol. 206; p. 630.
- Sage, Ralph V., Westmont borough, Pa., assignor to Cambria Steel Company. Dumping-car construction. No. 1,110,235; Sept. 8; Gaz. vol. 206; p. 530.
- Sage, Ralph V., Westmont borough, Pa., assignor to Cambria Steel Company. Car construction. No. 1,110,236; Sept. 8; Gaz. vol. 206; p. 531.
- Sagebrecht, Charles J., Brooklyn, assignor to Interstate Electric Novelty Co., New York, N. Y. Portable electric flash-light. No. 1,122,424; Dec. 29; Gaz. vol. 209; p. 1382.
- Sagebrecht, Charles J., Brooklyn, assignor to Interstate Electric Novelty Co., New York, N. Y. Portable electric flash-light. No. 1,122,425; Dec. 29; Gaz. vol. 209; p. 1382.
- Sager, Ira E., Victor, Colo. Kitchen device. No. 1,099,822; June 9; Gaz. vol. 203; p. 540.
- Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Automobile-bumper. No. 1,108,625; Aug. 25; Gaz. vol. 205; p. 1203.
- Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Bumper for automobiles. No. 1,108,626; Aug. 25; Gaz. vol. 205; p. 1203.
- Sager & Slotoroff. (See Slotoroff, Abraham, assignor.)
- Sahl, Moody S., Cripple Creek, Colo. Life-buoy fastener. No. 1,085,759; Feb. 3; Gaz. vol. 199; p. 65.
- Sailer, Arthur G., assignor of one-half to L. P. Melvin, Massillon, Ohio. Gas-heated sad-iron. No. 1,097,881; May 26; Gaz. vol. 202; p. 1055.
- Saillet, Alfred L. E. (See Chapsal and Saillet.)
- Sailor, Thomas A., Centralia, Ill. Filler. No. 1,096,956; May 19; Gaz. vol. 202; p. 687.
- Saint Cyr, Emilien D., assignor to American Automobile Specialty Company, Chicago, Ill. Gaseous-fuel mixer. No. 1,118,237; Nov. 24; Gaz. vol. 208; p. 1084.
- Saiter, W. S. (See Moore, Henry F., assignor.)
- Sakai, Yasuhiro, East Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vapor electric device. No. 1,101,665; June 30; Gaz. vol. 203; p. 1319.
- Sakata, Teruo, Los Angeles, Cal. Sharpener for razor-blades and the like. No. 1,100,398; June 16; Gaz. vol. 203; p. 778.
- Saklatwalla, Byramji D., Crafton, Pa. Producing alloy steels. No. 1,119,643; Dec. 1; Gaz. vol. 209; p. 256.
- Sakren, Benjamin, Brooklyn, N. Y. Window-guard. No. 1,095,422; May 5; Gaz. vol. 202; p. 85.
- Saks, Joseph. (See Fordyce, Edgar W., assignor.)
- Sala, Charles B., Minerva, Ohio. Speed-indicator. No. 1,116,848; Nov. 10; Gaz. vol. 208; p. 523.
- Saladee, William H., Bedford, assignor of one-half to O. McLahlan, Oolitic, Ind. Toy. No. 1,122,221; Dec. 22; Gaz. vol. 209; p. 1275.
- Salamon, Alfred G. (See Brown, Webster, and Salamon.)
- Salani, Harry. (See Mills and Cabill, assignors.)
- Salazar, Alfredo M., New York, N. Y. Acetylene-gas generator. No. 1,085,490; Jan. 27; Gaz. vol. 198; p. 842.
- Sale, Edmund H., Chattanooga, Tenn. Attachment for printing-presses. No. 1,095,033; Apr. 28; Gaz. vol. 201; p. 1128.
- Salel, Lucien. (See Cauvry and Salel.)
- Sales Company. (See Bower, Robert A., assignor.)
- Salge, Henry F., Lockhart, Tex. Plow. No. 1,093,294; Apr. 14; Gaz. vol. 201; p. 437.
- Salisbury, Charles K., Milwaukee, Wis., assignor to Standard Separator Company. Bearing for centrifugal separators. No. 1,119,456; Dec. 1; Gaz. vol. 209; p. 191.
- Salisbury, Ernest, assignor of one-half to G. Runtz, Aspen Colo. Electrical gate-operating means for railways. No. 1,101,715; June 30; Gaz. vol. 203; p. 1334.

Alphabetical list of patentees—Continued.

- Salisbury, Orange J., Salt Lake City, Utah. Filter-press. No. 1,120,628; Dec. 8; Gaz. vol. 209; p. 638.
- Salisbury, Orange J., Salt Lake City, Utah. Filtering apparatus. No. 1,120,629; Dec. 8; Gaz. vol. 209; p. 638.
- Sallee, Robert A., Middletown, Cal. Combination suction elevator and loader. No. 1,100,992; June 23; Gaz. vol. 203; p. 1036.
- Saller, Otto, Derby, Conn. Mowing-machine. No. 1,101,758; June 30; Gaz. vol. 203; p. 1349.
- Sally, Sylvester, assignor of one-third to W. Smith, Spokane, Wash. Automobile-wheel. No. 1,113,837; Oct. 13; Gaz. vol. 207; p. 541.
- Salmon, Edward W., Jr., assignor of one-half to C. H. Nelson, Baltimore, Md. Reel. No. 1,088,039; Feb. 24; Gaz. vol. 199; p. 999.
- Salmon, Frank M., Waverly, Mo. Orchard-heater. No. 1,104,832; July 28; Gaz. vol. 204; p. 1043.
- Salmsen, Emile J. J. (See Canton, Unné, and Salmsen.)
- Salomon, Sigmond. (See Siegel, Myer, assignor.)
- Salsich, Sherman B., Cudahy, Wis. Oil-burner. No. 1,086,405; Feb. 10; Gaz. vol. 199; p. 333.
- Salt's Textile Manufacturing Company, The. (See Harris and Driver, assignors.)
- Salter, Henry W. A. and J. O., Aldershot, England. Boot for animals. No. 1,101,759; June 30; Gaz. vol. 203; p. 1349.
- Salter, James O. (See Salter, Henry W. A. and J. O.)
- Saltis, Michael, Fort William McKinley, Philippine Islands. Portable stretcher. No. 1,109,083; Sept. 1; Gaz. vol. 206; p. 80.
- Salton, Alexander, Paterson, N. J. Horseshoe. No. 1,088,243; Feb. 24; Gaz. vol. 199; p. 1068.
- Saltzman, Auguste L., East Orange, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Primary battery. No. 1,087,143; Feb. 17; Gaz. vol. 199; p. 639.
- Saltzman, Auguste L., East Orange, N. J., assignor, by mesne assignments, to The American Multigraph Company. Printing-press. No. 1,094,024; Apr. 21; Gaz. vol. 201; p. 721.
- Saltzman, Auguste L., East Orange, N. J., assignor to American Planograph Company. Producing printing-forms. No. 1,098,921; June 2; Gaz. vol. 203; p. 192.
- Saltzman, Auguste L., East Orange, N. J., assignor, by mesne assignments, to J. G. Coffin, trustee. Controller mechanism for automatic typographic apparatus. No. 1,115,475; Oct. 27; Gaz. vol. 207; p. 1207.
- Saltzman, Frank L., and E. J. Crockett, Oakland, Cal. Oil-burner. No. 1,110,147; Sept. 8; Gaz. vol. 206; p. 501.
- Salvesen, Clement T., Chicago, Ill. Window. No. 1,107,450; Aug. 18; Gaz. vol. 205; p. 745.
- Salveson, Letha E. (See Salveson, Thomas and L. E.)
- Salveson, Thomas and L. E., Birney, Mont. Water-propeller. No. 1,084,488; Jan. 13; Gaz. vol. 198; p. 435.
- Salway, Albert E., Taibach, Port Talbot, Wales, assignor of one-half to G. I. Salway, Seattle, Wash. Valve and valve-gear of internal-combustion engines. No. 1,118,686; Nov. 24; Gaz. vol. 208; p. 1243.
- Salway, George I. (See Salway, Albert E., assignor.)
- Salzberger, Josua, New York, N. Y. Fur chenille. No. 1,119,120; Dec. 1; Gaz. vol. 209; p. 77.
- Sam'l E. Jordan Brush Company. (See Jordan, Samuel E., assignor.)
- Samaha, Halim N. (See Samaha, Salim N. and H. N.)
- Samaha, Salim N. and H. N., Washington, D. C. Food compound. No. 1,102,607; July 7; Gaz. vol. 204; p. 136.
- Samaia, Dino, Brussels, Belgium. Switch-point-operating mechanism. No. 1,089,588; Mar. 10; Gaz. vol. 200; p. 361.
- Samaia, Dino D., Milan, Italy. Apparatus for actuating conduit-covers and collector-plows of electric railways. No. 1,087,322; Feb. 17; Gaz. vol. 199; p. 702.
- Samaia, Dino D., Milan, Italy. Block system for tramways. No. 1,108,084; Aug. 18; Gaz. vol. 205; p. 966.
- Samesreuther, Richard. (See Canzler and Samesreuther.)
- Sammarone, Amato N., Akron, Ohio. Brush-holder for dynamo-electric machines. No. 1,101,814; June 30; Gaz. vol. 203; p. 1370.
- Sammarone, Amato N., Akron, Ohio. Brush-holder. No. 1,116,492; Nov. 10; Gaz. vol. 208; p. 391.
- Sammel, Benno, Brunswick, Germany. Dust-subducer for motor-vehicles. No. 1,097,674; May 26; Gaz. vol. 202; p. 981.
- Sammis, Albert V., Huntington, N. Y. Paving-block. No. 1,096,267; May 12; Gaz. vol. 202; p. 409.
- Sammt, Otto W., Lake Park, Iowa. Signal. No. 1,108,398; Aug. 25; Gaz. vol. 205; p. 1124.
- Samp, Charles L., Detroit, Mich. Wagon-loader. No. 1,109,789; Sept. 8; Gaz. vol. 206; p. 369.
- Sampere, Jose, New York, N. Y., assignor to The Regina Company, Rahway, N. J. Expression-regulator. No. 1,091,086; Mar. 24; Gaz. vol. 200; p. 950.
- Sampere, Jose, deceased, New York, N. Y.; M. Sampere, administratrix, assignor to Winter & Co. Sheet-adjusting apparatus. No. 1,085,301; Jan. 27; Gaz. vol. 198; p. 780.
- Sampere, Marie, administratrix. (See Sampere, Jose.)
- Samphere, Orin C., Milwaukee, Wis. Manually-operated rotary dental tool. No. 1,094,818; Apr. 28; Gaz. vol. 201; p. 1054.
- Samphere, Orin C., Milwaukee, Wis. Dental mandrel. No. 1,106,894; Aug. 11; Gaz. vol. 205; p. 501.
- Sampson, Albert R., Jersey City, N. J. Manifold device. No. 1,088,733; Mar. 3; Gaz. vol. 200; p. 22.
- Sampson, Charles H., assignor to Peerless Check Protecting Company, Rochester, N. Y. Inking mechanism for printing-machines. No. 1,116,743; Nov. 10; Gaz. vol. 208; p. 483.
- Sampson, Edward J., Grandmound, Iowa. Tractor. No. 1,104,277; July 21; Gaz. vol. 204; p. 800.
- Sams, Walter, Chicago, Ill. Image-projector. No. 1,117,252; Nov. 17; Gaz. vol. 208; p. 701.
- Samson, David, Jackson, Nebr. Automatic gate. No. 1,091,591; Mar. 31; Gaz. vol. 200; p. 1162.
- Samson, Philip E., London, England. Golf-club and other sporting implement. No. 1,094,599; Apr. 28; Gaz. vol. 201; p. 975.
- Samuel C. Tatum Company, The. (See Dom, Chesley, assignor.)
- Samuel Cabot, Inc. (See Abbott, Charles M., assignor.)
- Samuel Cupples Envelope Company. (See Halsey, Edward S., assignor.)
- Samuel Cupples Envelope Company. (See Kienast, T. William, assignor.)
- Samuel Cupples Envelope Company. (See Vierengel, Matthew, assignor.)
- Samuel Cupples Wooden Ware Company. (See Wallace, Harry B., assignor.)
- Samuel, Emil A. (See Barrett and Samuel.)
- Samuel L. Moore & Sons Corporation. (See Yetman, William H., assignor.)
- Samuel, Leopold S., Newark, N. J. Strip for weaving and like purposes. No. 1,096,865; May 19; Gaz. vol. 202; p. 654.
- Samuel, Leopold S. and M., Newark, N. J. Making strips for weaving and the like. No. 1,105,309; July 28; Gaz. vol. 204; p. 1208.
- Samuel, Moses. (See Samuel, Leopold S. and M.)
- Samuel Sternberger Company. (See Paradis, Albert, assignor.)
- Samuel, Towfeek G., Portland, Oreg. Safety attachment for street-cars and the like. No. 1,097,472; May 19; Gaz. vol. 202; p. 867.
- Samuels, Jacob, New York, N. Y. Stocking. No. 1,123,014; Dec. 29; Gaz. vol. 209; p. 1591.
- Samuels, Jacob, New York, N. Y. Stocking attachment. No. 1,123,015; Dec. 29; Gaz. vol. 209; p. 1591.
- Samuels, Jacob, New York, assignor to E. W. Decker, Mariners Harbor, N. Y. Stocking. No. 1,119,884; Dec. 8; Gaz. vol. 209; p. 374.
- Samuels, John, et al. (See Samuels, John, assignor.)
- Samuels, John, Rock Slope, Ala., assignor, by mesne assignments, to J. Samuels, E. Thomason, W. C. Long, and J. E. Lacey. Automatic brake mechanism for trains. No. 1,112,481; Oct. 6; Gaz. vol. 207; p. 23.
- Samuelsen, Niels P., and S. R. Dejgaard, Aalborg, Denmark. Table. No. 1,099,620; June 9; Gaz. vol. 203; p. 471.
- Samuelson, Frederick, Rugby, England, assignor to General Electric Company. Valve mechanism. No. 1,106,895; Aug. 11; Gaz. vol. 205; p. 502.
- San Diego Aerial Navigation Co. (See Waterman, Russell R., assignor.)
- San Francisco Salt Refinery. (See Stauffer, John, assignor.)
- San Juan Fishing & Packing Company. (See Twichell, Frank A., assignor.)
- San Martin, René, assignor of one-half to J. Aballi, Habana, Cuba. Variable mercury-condenser. No. 1,108,793; Aug. 25; Gaz. vol. 205; p. 1258.
- Sanborn, Augustus M., Stanford University, Cal. Carbureter. No. 1,092,953; Apr. 14; Gaz. vol. 201; p. 319.
- Sanborn Evaporator Company. (See Sanborn, Thornton F., assignor.)
- Sanborn, Frank B., Cambridge, Mass. Device for use in connection with velocity-indicators. No. 1,099,206; June 9; Gaz. vol. 203; p. 329.
- Sanborn, George W. (See Sanborn, Joseph C., assignor.)
- Sanborn, Joseph C., Syracuse, assignor of one-half to G. W. Sanborn, Utica, N. Y. Shoe-polishing brush. No. 1,118,153; Nov. 24; Gaz. vol. 208; p. 1056.
- Sanborn, Thornton F., New York, N. Y. Evaporating apparatus. No. 1,116,927; Nov. 10; Gaz. vol. 208; p. 548.
- Sanborn, Thornton F., Ensenada, Porto Rico, assignor to Sanborn Evaporator Company, New York, N. Y. Float-operated liquid-regulator. No. 1,085,166; Jan. 27; Gaz. vol. 198; p. 732.
- Sanchez, Antonio, and C. Baradat, Paris, France. Rotary internal-combustion engine. No. 1,095,034; Apr. 28; Gaz. vol. 201; p. 1129.
- Sand, Henry J. S., Nottingham, and F. Reynolds, London, England. Production of gas-tight seals or closures between metal and vitreous material. No. 1,118,812; Nov. 24; Gaz. vol. 208; p. 1285.
- Sand, Julius and J., Jr., Detroit, Mich. Level. No. 1,087,555; Feb. 17; Gaz. vol. 199; p. 784.

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- Sandage, Jacob R., Oregon, assignor of one-half to C. W. Watson, Chicago, Ill. Hot-air engine. No. 1,083,946; Jan. 13; Gaz. vol. 198; p. 255.
- Sandahl, Carl H., McPherson, Kans. Tree-protector. No. 1,089,012; Mar. 3; Gaz. vol. 200; p. 116.
- Sandberg, Ole, Ogema, Saskatchewan, Canada. Combination shovel and hoe. No. 1,109,469; Sept. 1; Gaz. vol. 206; p. 216.
- Sande, Gustave, Seattle, Wash. Railway-rail and joint therefor. No. 1,093,805; Apr. 21; Gaz. vol. 201; p. 647.
- Sandell, Henry K., assignor to Mills Novelty Company, Chicago, Ill. Electric self-playing violin. No. 1,085,943; Feb. 3; Gaz. vol. 199; p. 130.
- Sandell, Henry K., assignor to Mills Novelty Company, Chicago, Ill. Electric motor. No. 1,087,556; Feb. 17; Gaz. vol. 199; p. 784.
- Sandell, Henry K., assignor to Mills Novelty Company, Chicago, Ill. Self-playing violin. No. 1,094,819; Apr. 28; Gaz. vol. 201; p. 1055.
- Sandell, John F., Chicago, Ill. Aeroplane. No. 1,099,573; June 9; Gaz. vol. 203; p. 457.
- Sander, Arthur E. (See Schwarz, Emerich, assignor.)
- Sander, Charles O. (See Zander, John L., assignor.)
- Sanders, Anton F. (See De Vos and Sanders.)
- Sanders, Charles W., Victoria, British Columbia, Canada. Sheet-metal partition. No. 1,111,617; Sept. 22; Gaz. vol. 206; p. 1095.
- Sanders, David P., Lancaster, Pa. Motor-car. No. 1,087,832; Feb. 17; Gaz. vol. 199; p. 879.
- Sanders, Edward A., San Francisco, Cal. Hinge. No. 1,120,163; Dec. 8; Gaz. vol. 209; p. 471.
- Sanders, Edward M., Fitchburg, Mass. Folding boat. No. 1,093,357; Apr. 14; Gaz. vol. 201; p. 458.
- Sanders, John R., *et al.* (See Nelson, Henry F., assignor.)
- Sanders, Louis M., Orange, assignor to G. H. Davis, West Orange, N. J. Tracker-bar. No. 1,086,334; Feb. 3; Gaz. vol. 199; p. 262.
- Sanders, Matthew W., Chicago, Ill. Musical toy. No. 1,093,806; Apr. 21; Gaz. vol. 201; p. 648.
- Sanders, Samuel P., Aurora, Nebr. Bellows suction-pump. No. 1,095,930; May 5; Gaz. vol. 202; p. 256.
- Sanders, Stephen P., Cupertino, Cal. Carbureter. No. 1,105,160; July 28; Gaz. vol. 204; p. 1154.
- Sanders, Wilbur E., Sonora, assignor of one-half to A. J. Chamberlain, Berkeley, Cal. Bin. No. 1,107,846; Aug. 18; Gaz. vol. 205; p. 885.
- Sanders, William W., *et al.* (See Bolen, Charley C., assignor.)
- Sanderson, Burton C. (See Palmer and Sanderson.)
- Sanderson, Edward S., assignor to Scovill Manufacturing Company, Waterbury, Conn. Draft-deflector for lamp-burners. No. 1,087,323; Feb. 17; Gaz. vol. 199; p. 703.
- Sanderson, Eugene W., New York, N. Y. Sanitary sugar-bowl. No. 1,084,757; Jan. 20; Gaz. vol. 198; p. 558.
- Sanderson, Eugene W., New York, N. Y. Agricultural trolley system. No. 1,107,228; Aug. 11; Gaz. vol. 205; p. 617.
- Sanderson, Ora, Colorado Springs, Colo. Potato-digger. No. 1,097,990; May 26; Gaz. vol. 202; p. 1095.
- Sanderson, Robert L., assignor to The Bostwick Steel Lath Company, Niles, Ohio. Corner bead or strip. No. 1,106,730; Aug. 11; Gaz. vol. 205; p. 444.
- Sanderson, Robert L., assignor to The Bostwick Steel Lath Company, Niles, Ohio. Wall-tie. No. 1,116,928; Nov. 10; Gaz. vol. 208; p. 548.
- Sanderson, Robert M., Akron, and C. P. Whisler, Kenmore, Ohio. Inner pad for shoes. No. 1,106,114; Aug. 4; Gaz. vol. 205; p. 186.
- Sanderson, William P. (See Hayward and Sanderson.)
- Sandford, Joseph A., Jr., assignor to The R. Thomas and Sons Company, East Liverpool, Ohio. Insulator. No. 1,093,479; Apr. 14; Gaz. vol. 201; p. 497.
- Sandford, Joseph A., Jr., assignor to R. Thomas and Sons Company, East Liverpool, Ohio. Insulator. No. 1,093,480; Apr. 14; Gaz. vol. 201; p. 497.
- Sandford, Joseph A., Jr., assignor to The R. Thomas and Sons Company, East Liverpool, Ohio. Post-insulator. No. 1,109,470; Sept. 1; Gaz. vol. 206; p. 216.
- Sandford, William H., New York, N. Y. Handle of golf-clubs, polo-sticks, and the like. No. 1,102,441; July 7; Gaz. vol. 204; p. 77.
- Sandherr, Frederick H., St. Louis, Mo. Gearing. No. 1,093,807; Apr. 21; Gaz. vol. 201; p. 648.
- Sandiford, Green W., assignor of three-twelfths to himself, three-twelfths to W. C. Baumhauer, two-twelfths to J. Rubel, two-twelfths to J. Markstein, Mobile, and two-twelfths to P. P. Lockling, Fruitdale, Ala. Nut-lock. No. 1,096,564; May 12; Gaz. vol. 202; p. 509.
- Sandiford, Green W., assignor of two hundred and fifty one-thousandths to himself, one hundred and eighty-five one-thousandths to W. C. Baumhauer, one hundred and eighty-five one-thousandths to J. Rubel, one hundred and eighty-five one-thousandths to J. Markstein, ten one-thousandths to R. F. Blow, Mobile, and one hundred and eighty-five one-thousandths to P. P. Lockling, Fruitdale, Ala. Pipe-joint. No. 1,091,462; Mar. 24; Gaz. vol. 200; p. 1073.
- Sandifur, Oliver B., North Manchester, Ind. Snap-hook. No. 1,101,815; June 30; Gaz. vol. 203; p. 1370.
- Sandoz Moritz, Charles, Tavannes, Switzerland. Means for assembling lantern-wheels. No. 1,084,039; Jan. 13; Gaz. vol. 198; p. 289.
- Sandreczki, Karl T., Hamburg, Germany. Hair-pin and the like. No. 1,106,585; Aug. 11; Gaz. vol. 205; p. 394.
- Sands, Lewis. (See Sabo, John, assignor.)
- Sands, Thomas J., Providence, R. I., assignor to Universal Winding Company, Portland, Me. Skein-unwinding device. No. 1,085,360; Jan. 27; Gaz. vol. 198; p. 800.
- Sandt, Max, assignor to Bielefelder Maschinenfabrik vormals Dürkopp & Co., Bielefeld, Bielefeld, Germany. Sewing-machine. No. 1,097,675; May 26; Gaz. vol. 202; p. 982.
- Sandt, Max, assignor to Bielefelder Maschinenfabrik vormals Dürkopp & Co. Bielefeld, Bielefeld, Germany. Feed-actuating mechanism for sewing-machines. No. 1,118,059; Nov. 24; Gaz. vol. 208; p. 1024.
- Sandum, K. O., *et al.* (See Engle, William G., assignor.)
- Sandurskyj, Sozont, Vienna, Austria-Hungary. Self-guiding arrangement for parallel-rulers and the like. No. 1,084,711; Jan. 20; Gaz. vol. 198; p. 542.
- Sandusky Auto Parts & Motor Company. (See Matson, John E., assignor.)
- Sandvig, Alvin C., Grafton, N. D. Pitchfork. No. 1,109,251; Sept. 1; Gaz. vol. 206; p. 140.
- Sandwich Manufacturing Co. (See Claude, Eugene, assignor.)
- Saner, Basil, West New York, N. J. Embroidering-machine. No. 1,100,152; June 16; Gaz. vol. 203; p. 693.
- Sanford, Crocker H., Baltimore, Md. Menthhol inhaler and pencil. No. 1,102,086; June 30; Gaz. vol. 203; p. 1467.
- Sanford, Frank C., assignor to The Armstrong Manufacturing Company, Bridgeport, Conn. Die-stock. No. 1,119,765; Dec. 1; Gaz. vol. 209; p. 296.
- Sanford, Henry G. (See Hewitt, Wallace B., assignor.)
- Sanford, Hugh W., Knoxville, Tenn. Hub. No. 1,085,302; Jan. 27; Gaz. vol. 198; p. 780.
- Sanford, Hugh W., Knoxville, Tenn. Wheel construction. No. 1,088,375; Feb. 24; Gaz. vol. 199; p. 1113.
- Sanford, Hugh W., Knoxville, Tenn. Mining-car wheel. No. 1,104,549; July 21; Gaz. vol. 204; p. 897.
- Sanford, Joseph A., Jr., assignor to The R. Thomas and Sons Company, East Liverpool, Ohio. Suspension-insulator eyebolt. No. 1,122,030; Dec. 22; Gaz. vol. 209; p. 1212.
- Sanford, Robert G., Yonkers, N. Y. Electric elevator. No. 1,103,626; July 14; Gaz. vol. 204; p. 536.
- Sanford, William B., assignor of one-half to C. N. Barrington, Newbern, N. C. Hand-torch. No. 1,086,406; Feb. 10; Gaz. vol. 199; p. 333.
- Sanford, William M., Hartford, Conn. Renewable rubber-heel device. No. 1,113,695; Oct. 13; Gaz. vol. 207; p. 490.
- Sangamo Electric Company. (See Hodde and White, assignors.)
- Sangamo Electric Company. (See Lanphier and Struck, assignors.)
- Sanger, Albert C., Brunswick, Md. Safety-plug. No. 1,089,794; Mar. 10; Gaz. vol. 200; p. 431.
- Sanger, William, Orange, N. J. Making substitutes for cork. No. 1,101,965; June 30; Gaz. vol. 203; p. 1424.
- Sangster, William, Covington, Va., assignor to Covington Machine Company. Coal-leveling machine for beehive-ovens. No. 1,089,675; Mar. 10; Gaz. vol. 200; p. 392.
- Sani-Glass Manufacturing Company. (See Boehm, Oscar A., assignor.)
- Sanitary Can Company. (See Augensen, August M., assignor.)
- Sanitary Can Company. (See Wegner, Fred, assignor.)
- Sanitary Cigar Cutter Co. (See Roberts, Henry P., assignor.)
- Sanitary Paper Bottle Company. (See Quaas, Max, assignor.)
- Sanitary Rubber Company, The. (See Lisbae, John J., assignor.)
- Sanitary Wagon Co., The. (See Jones, Arthur J., assignor.)
- Sankot, John J., Belle Plaine, Iowa. Oil-container. No. 1,121,206; Dec. 15; Gaz. vol. 209; p. 888.
- Sanladerer, Alois, Ortenburg, near Vilshofen, Germany. Electric-lighting apparatus for velocipedes. No. 1,111,864; Sept. 29; Gaz. vol. 206; p. 1220.
- Sanlavielle, Claude M., Le Coteau, France. Manufacturing artificial horsehair. No. 1,093,295; Apr. 14; Gaz. vol. 201; p. 438.
- Sanson, Harold R., *et al.* (See Douglas, John, assignor.)
- Santarelli, Alfredo, New York, N. Y. Non-refillable bottle. No. 1,096,318; May 12; Gaz. vol. 202; p. 427.
- Santmyers, Washington L., and R. L. Hepner, Strasburg, Va. Reamer. No. 1,110,273; Sept. 8; Gaz. vol. 206; p. 544.
- Sanquist, John A., New Windsor, Ill. Socket for concrete building constructions. No. 1,091,168; Mar. 24; Gaz. vol. 200; p. 979.
- Santarcangelo, Joseph, Pittsburgh, Pa. Nut-lock. No. 1,089,159; Mar. 3; Gaz. vol. 200; p. 170.
- Santo, Charles E., London, Ontario, Canada. Spring-hinge. No. 1,107,708; Aug. 18; Gaz. vol. 205; p. 836.

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- Santo Manufacturing Company. (See Templin, Joseph H., assignor.)
- Santore, Thomas, assignor of one-sixth to D. Jenaway, Mount Braddock, Pa. Trolley-pole and trolley-guard. No. 1,101,666; June 30; Gaz. vol. 203; p. 1319.
- Santos, Anthony, *et al.* (See Block, Abraham, assignor.)
- Santrock, Henry, Kensington, Kans. Tire compound. No. 1,108,399; Aug. 25; Gaz. vol. 205; p. 1124.
- Sapal, Societe Anonyme des Plieuses Automatiques. (See Blonay, Jean de, assignor.)
- Sapp, Charles S., Mount Vernon, Ohio. Valve-releaser. No. 1,108,476; Aug. 25; Gaz. vol. 205; p. 1151.
- Sapp, Vernon E., New River, Fla. Plow. No. 1,117,448; Nov. 17; Gaz. vol. 208; p. 770.
- Sapper, August. (See Lüttringhaus, Lohse, and Sapper.)
- Saracco, Pietro, Turin, Italy. Spinning and twisting frame. No. 1,096,059; May 12; Gaz. vol. 202; p. 338.
- Sarfaty, Morton P., New York, N. Y. Electric-fan tractor. No. 1,102,087; June 30; Gaz. vol. 203; p. 1467.
- Sargent, Andrew J. (See Calaway, Leonard H., assignor.)
- Sargent, Charles E., Racine, Wis. Internal-combustion engine. No. 1,112,842; Oct. 6; Gaz. vol. 207; p. 151.
- Sargent Company. (See Dunbar, Frank G., assignor.)
- Sargent & Company. (See Kimball, Frank L., assignor.)
- Sargent & Company. (See Merritt, Irving D., assignor.)
- Sargent & Company. (See Page, Albert A., assignor.)
- Sargent & Company. (See Page and Munson, assignors.)
- Sargent & Company. (See Sargent, Edward R., assignor.)
- Sargent Company. (See Sargent, George H., assignor.)
- Sargent & Company. (See Sargent, Henry B., assignor.)
- Sargent & Company. (See Sargent and Collins, assignors.)
- Sargent Company. (See Sargent and Dunbar, assignors.)
- Sargent & Company. (See Sargent and Eggleston, assignors.)
- Sargent & Company. (See Shaw, John H., assignor.)
- Sargent & Company. (See Shipman, Evan J., assignor.)
- Sargent & Company. (See Sparks, William E., assignor.)
- Sargent, Donald A. (See Lisherness and Sargent.)
- Sargent, Edward R., assignor to Sargent & Company, New Haven, Conn. Casket-handle. No. 1,084,969; Jan. 20; Gaz. vol. 198; p. 628.
- Sargent, Edward R., assignor to Sargent & Company, New Haven, Conn. Casket-handle. No. 1,087,687; Feb. 17; Gaz. vol. 199; p. 832.
- Sargent, Edward R., assignor to Sargent & Company, New Haven, Conn. Chest-handle. No. 1,094,820; Apr. 28; Gaz. vol. 201; p. 1055.
- Sargent, Edward R., assignor to Sargent & Company, New Haven, Conn. Casket-handle. No. 1,106,731; Aug. 11; Gaz. vol. 205; p. 444.
- Sargent, Edward R., and H. G. Collins, assignors to Sargent & Company, New Haven, Conn. Box-handle. No. 1,094,681; Apr. 28; Gaz. vol. 201; p. 1006.
- Sargent, Edward R., and E. H. Eggleston, assignors to Sargent & Company, New Haven, Conn. Screen-door check. No. 1,117,253; Nov. 17; Gaz. vol. 208; p. 701.
- Sargent, Fitz William, assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Brake-shoe and back therefor. No. 1,120,089; Dec. 8; Gaz. vol. 209; p. 444.
- Sargent, Frederick G., Westford, Mass. Method of and apparatus for selective wireless telegraphy. No. 1,091,768; Mar. 31; Gaz. vol. 200; p. 1224.
- Sargent, Frederick G., Westford, Mass. Apparatus for selective wireless telegraphing. No. 1,102,442; July 7; Gaz. vol. 204; p. 77.
- Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Delivery device for wool-washing machines. No. 1,086,564; Feb. 10; Gaz. vol. 199; p. 389.
- Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Apron-guiding device. No. 1,096,268; May 12; Gaz. vol. 202; p. 410.
- Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Carrier for wool-washing machines. No. 1,101,097; June 23; Gaz. vol. 203; p. 1072.
- Sargent, George H., assignor to Sargent Company, Chicago, Ill. Fluid-gage. No. 1,087,466; Feb. 17; Gaz. vol. 199; p. 754.
- Sargent, George H., and F. G. Dunbar, assignors to Sargent Company, Chicago, Ill. Fluid-gage. No. 1,113,490; Oct. 13; Gaz. vol. 207; p. 421.
- Sargent, George W., and J. W. Weitzenkorn, assignors to Crucible Steel Company of America, Pittsburgh, Pa. Straightening-machine. No. 1,119,044; Dec. 1; Gaz. vol. 209; p. 52.
- Sargent, Henry B., assignor to Sargent & Company, New Haven, Conn. Framing-square. No. 1,102,689; July 7; Gaz. vol. 204; p. 163.
- Sargent, Henry D., assignor to A. H. Parker, Worcester, Mass. Milk-bottle holder. No. 1,098,765; June 2; Gaz. vol. 203; p. 139.
- Sargent, Howard R., Schenectady, N. Y., assignor to General Electric Company. Incandescent-lamp suspension. No. 1,087,985; Feb. 24; Gaz. vol. 199; p. 980.
- Sargent, Howard R., Schenectady, N. Y., assignor to General Electric Company. Switch-plug. No. 1,094,479; Apr. 28; Gaz. vol. 201; p. 934.
- Sargent, Howard R., Schenectady, N. Y., assignor to General Electric Company. Plug-receptacle and plug therefor. No. 1,111,406; Sept. 22; Gaz. vol. 206; p. 1022.
- Sargent, Howard R., and T. Koch, Schenectady, N. Y., assignor to General Electric Company. Pull-socket. No. 1,122,031; Dec. 22; Gaz. vol. 209; p. 1212.
- Sargent, James F., Lowell, Mich. Ironing-table. No. 1,098,333; May 26; Gaz. vol. 202; p. 1213.
- Sargent, James T., Merchantville, N. J., assignor of one-half to G. H. Worthington, Cleveland, Ohio. Pipe. No. 1,099,574; June 9; Gaz. vol. 203; p. 458.
- Sargent, John L., assignor of one-half to J. C. Puckett, Indianola, Nebr. Spraying or sprinkling nozzle. No. 1,112,416; Sept. 29; Gaz. vol. 206; p. 1410.
- Sargent, John M., Elmira, N. Y. Trap-nest. No. 1,117,524; Nov. 17; Gaz. vol. 208; p. 796.
- Sargent, Marshall B. (See Karlberg and Sargent.)
- Sargent, Marshall B., and A. E. Karlberg, Owensboro, Ky. Type-writing machine. No. 1,098,057; May 26; Gaz. vol. 202; p. 1118.
- Sargent, Marshall B., and A. E. Karlberg, assignors to The Stenotype Company, Indianapolis, Ind. Ink-ribbon guide of type-writing machines. No. 1,114,532; Oct. 20; Gaz. vol. 207; p. 827.
- Sargent, Marshall B., and A. E. Karlberg, assignors to The Stenotype Company, Indianapolis, Ind. Type-writing machine. No. 1,119,644; Dec. 1; Gaz. vol. 209; p. 256.
- Sargent, Robert, Laona, Wis. Rail-brace. No. 1,101,335; June 23; Gaz. vol. 203; p. 1153.
- Sargent, Wellington G. (See O'Brien, Sargent, Dowd, and O'Brien.)
- Sargent, William O., assignor to Peet Brothers Manufacturing Company, Kansas City, Kans. Soap-wrapping machine. No. 1,099,398; June 9; Gaz. vol. 203; p. 397.
- Sarkadi, Charles, Avella, Pa. Lantern. No. 1,091,248; Mar. 24; Gaz. vol. 200; p. 1007.
- Sarkisian, Dickran M., New York, N. Y. Curtain-support. No. 1,095,526; May 5; Gaz. vol. 202; p. 122.
- Sarkoze, Laslow, Torrington, Conn. Extension-table. No. 1,086,941; Feb. 10; Gaz. vol. 199; p. 520.
- Sarnac Machine Co. (See Craig, Edward, assignor.)
- Sartain, Demockratus W., Coalbont, Tenn. Spring-wheel. No. 1,119,645; Dec. 1; Gaz. vol. 209; p. 257.
- Sartain, Isaac M., Tracy City, Tenn. Vehicle wheel-tire. No. 1,102,690; July 7; Gaz. vol. 204; p. 163.
- Sartolow, John B. (See Gibson and Sartolow.) (Re-issue.)
- Sarvalla, Mattie, and C. Neuman, De Kalb, Ill. Gate-latch lift. No. 1,091,087; Mar. 24; Gaz. vol. 200; p. 950.
- Sasnett, Rolin S., *et al.* (See Spencer, Charles R., assignor.)
- Sass, Henry W., *et al.* (See Dutchman, John, assignor.)
- Sassano, Pasquale J., East Orange, N. J. Carbureter. No. 1,086,226; Feb. 3; Gaz. vol. 199; p. 228.
- Sasseman, David C., River Forest, assignor to F. H. Smith Manufacturing Company, Chicago, Ill. Rivet-setting machine. No. 1,116,849; Nov. 10; Gaz. vol. 208; p. 522.
- Sato, Kurakichi, Los Angeles, Cal. Beet-harvester. No. 1,107,551; Aug. 18; Gaz. vol. 205; p. 779.
- Sato, Kuroji, Reno, Nev. Shock-absorber. No. 1,100,494; June 16; Gaz. vol. 203; p. 810.
- Satterberg, Carl R., Kingsburg, Cal. Fruit-receiver. No. 1,121,406; Dec. 15; Gaz. vol. 209; p. 956.
- Satterwhite, John Y., Wagoner, Okla. Splice-joint for car-sills. No. 1,094,682; Apr. 28; Gaz. vol. 201; p. 1006.
- Sattler, Andrew, Carpenteria, Cal. Dirigible headlight. No. 1,095,289; May 5; Gaz. vol. 202; p. 39.
- Sattler, Ross W., Mount Vernon, Ohio. Roundabout. No. 1,093,591; Apr. 14; Gaz. vol. 201; p. 532.
- Saubermann, Siegmund, Berlin, assignor of one-half to Firm of C. Zeiss, Jena, Germany. Producing peculiar luminous effects. No. 1,096,644; May 12; Gaz. vol. 202; p. 536.
- Sauchereau, John L., Spokane, Wash. Water-pump. No. 1,089,441; Mar. 10; Gaz. vol. 200; p. 309.
- Sauchereau, John L., Spokane, Wash. Valve. No. 1,105,209; July 28; Gaz. vol. 204; p. 1172.
- Saudek, Jacob, New York, N. Y. Device for combining motion acts and moving pictures. No. 1,099,207; June 9; Gaz. vol. 203; p. 330.
- Sauer, Charles W., Jr., Elizabeth, N. J. Automatic circuit-closing device for elevators. No. 1,090,794; Mar. 17; Gaz. vol. 200; p. 816.
- Sauer, Frederick H., New York, N. Y. Air-valve. No. 1,101,570; June 30; Gaz. vol. 203; p. 1286.
- Sauer, Frederick H., New York, N. Y. Pressure-controlling valve. No. 1,115,582; Nov. 3; Gaz. vol. 208; p. 39.
- Sauer, George A., Jr., and R. A. Trace, assignors to Buckeye Iron and Brass Works, Dayton, Ohio. Cooker for seeds and the like. No. 1,106,586; Aug. 11; Gaz. vol. 205; p. 394.
- Sauer, Jacob J., St. Joseph, Mo. Rivet-punch. No. 1,095,359; May 5; Gaz. vol. 202; p. 63.
- Sauerman, Henry B., Chicago, Ill. Scraper. No. 1,087,324; Feb. 17; Gaz. vol. 199; p. 703.
- Sauerman, Henry B., Chicago, Ill. Material-moving apparatus. No. 1,118,585; Nov. 24; Gaz. vol. 208; p. 1210.

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- Saul, William I., Carroll, Iowa. Yieldable shaft-coupling. No. 1,118,586; Nov. 24; Gaz. vol. 208; p. 1210.
- Saulpaw, Karl D., Calhoun, Tenn. Resilient wheel. No. 1,096,394; May 12; Gaz. vol. 202; p. 451.
- Sauls, Fred C., New York, N. Y. Shade-guard. No. 1,117,096; Nov. 10; Gaz. vol. 208; p. 607.
- Saumell, Augusto D., New York, N. Y. Sheet-music-perforating device. No. 1,092,401; Apr. 7; Gaz. vol. 201; p. 95.
- Saunders, Arthur W., Leeds, England. Washing-board. No. 1,096,957; May 19; Gaz. vol. 202; p. 688.
- Saunders, Augustus M., McKeesport, assignor to The National Tube Company, Pittsburgh, Pa. Method of and apparatus for shaping plates or pipe-skelp. No. 1,121,670; Dec. 22; Gaz. vol. 209; p. 1084.
- Saunders, Benjamin P., Iatan, Mo. Trap. No. 1,088,099; Feb. 24; Gaz. vol. 199; p. 1020.
- Saunders, Benjamin P., Iatan, and O. Williams, Weston, Mo. Variable-speed gearing for the reels of agricultural machinery. No. 1,088,098; Feb. 24; Gaz. vol. 199; p. 1020.
- Saunders, Benjamin P., Iatan, and O. Williams, Weston, Mo. Apparatus for unloading freight-cars. No. 1,088,100; Feb. 24; Gaz. vol. 199; p. 1021.
- Saunders, Charles L. (See Johnson and Saunders.)
- Saunders, Charles R., Richmond, Va. Head-rest for car-seats. No. 1,083,633; Jan. 6; Gaz. vol. 198; p. 124.
- Saunders, Daniel G., Jr., Kansas City, Mo. Envelop-sealing machine. No. 1,119,457; Dec. 1; Gaz. vol. 209; p. 192.
- Saunders, David H., Gloucester, Mass., assignor, by mesne assignments, to H. E. Hounsell, Limited, Bridgeport, England. Net-machine. No. 1,110,718; Sept. 15; Gaz. vol. 206; p. 742.
- Saunders, George H. (See Saunders, William W. and G. H.)
- Saunders, Herbert B., New York, N. Y. Method and apparatus for floating and repairing stranded vessels. No. 1,089,967; Mar. 10; Gaz. vol. 200; p. 491.
- Saunders, James, *et al.* (See Sawtelle, Charles A., assignor.)
- Saunders, Lewis E., Niagara Falls, N. Y. Preparing barium oxid. No. 1,112,721; Oct. 6; Gaz. vol. 207; p. 110.
- Saunders, Philip I., Ashland, Va. Clothes-drier. No. 1,107,847; Aug. 18; Gaz. vol. 205; p. 885.
- Saunders Sealer Company, The. (See Osborn, Henry C., assignor.)
- Saunders, William W., Cleveland, and G. H. Saunders, Akron, Ohio. Cereal process and product. No. 1,097,882; May 26; Gaz. vol. 202; p. 1055.
- Saunier, August, San Francisco, Cal. Vehicle-wheel. No. 1,084,299; Jan. 13; Gaz. vol. 198; p. 376.
- Saurer, Firm of Adolph. (See Eggart, Karl, assignor.)
- Saurer, Firm of Adolph. (See Keller and Hunkemöller, assignors.)
- Saurer, Firm of Adolph. (See Kobler, Victor, assignor.)
- Saurer, Firm of Adolph. (See Moriggi, Carl, assignor.)
- Saurer, Hippolyt, Arbon, Switzerland. Jacquard-card-punching machine. No. 1,104,550; July 21; Gaz. vol. 204; p. 897.
- Saurer, Hippolyt, Arbon, Switzerland. Machine for punching jacquard-cards. No. 1,104,551; July 21; Gaz. vol. 204; p. 898.
- Saussard, Louis, assignor to Societe Ballot & Co., Paris, France. Distributing apparatus for engines. No. 1,106,243; Aug. 4; Gaz. vol. 205; p. 227.
- Sauter, Alfred. (See Walser and Sauter.)
- Sauter, August A., Covington, Ky. Automatic fan. No. 1,089,271; Mar. 3; Gaz. vol. 200; p. 204.
- Sauvage, Stanley, Chicago, Ill. Cooker. No. 1,087,402; Feb. 17; Gaz. vol. 199; p. 730.
- Sauvage-Ward Brake Company. (See Sauvage, William H., assignor.)
- Sauvage-Ward Brake Company. (See Ward, Frank D., assignor.)
- Sauvage, William H., New York, N. Y. Fluid-pressure brake system. No. 1,088,299; Feb. 24; Gaz. vol. 199; p. 1088.
- Sauvage, William H., New York, N. Y. Slack-adjuster for railway-brakes. No. 1,114,295; Oct. 20; Gaz. vol. 207; p. 742.
- Sauvage, William H., New York, N. Y., assignor to Sauvage-Ward Brake Company, Inc. Pressure-indicator. No. 1,106,681; Aug. 11; Gaz. vol. 205; p. 427.
- Sauvage, William H., New York, N. Y., assignor to Sauvage-Ward Brake Company, Inc. Fluid-pressure brake system. No. 1,117,254; Nov. 17; Gaz. vol. 208; p. 701.
- Sauvage, William H., New York, N. Y., assignor to Sauvage-Ward Brake Company, Inc. Slack-adjuster for railway-brakes. No. 1,117,707; Nov. 17; Gaz. vol. 208; p. 862.
- Sauvage, William H., New York, N. Y., assignor to Sauvage Ward Brake Company, Inc. Automatic slack-adjuster for brakes. No. 1,120,090; Dec. 8; Gaz. vol. 209; p. 444.
- Savage Arms Company. (See Nelson, Charles A., assignor.)
- Savage Arms Company. (See Nelson and Lang, assignors.)
- Savage, Arthur J., Meriden, Conn., assignor to Sears, Roebuck and Company, Chicago, Ill. Firearm. No. 1,108,400; Aug. 25; Gaz. vol. 205; p. 1124.
- Savage, Arthur W., Duarte, Cal. Vehicle-tire. No. 1,090,169; Mar. 17; Gaz. vol. 200; p. 602.
- Savage, Charley S., deceased, Burfield, Ky.; J. C. Huffaker, administrator. Gate. No. 1,102,691; July 7; Gaz. vol. 204; p. 163.
- Savage, Edward S., Rochester, N. Y. Micrometer-calipers. No. 1,107,202; Aug. 11; Gaz. vol. 205; p. 608.
- Savage, Edward S., Rochester, N. Y. Micrometer-calipers. No. 1,107,203; Aug. 11; Gaz. vol. 205; p. 609.
- Savage, Edward S., Rochester, N. Y. Pressure-gage. No. 1,114,050; Oct. 20; Gaz. vol. 207; p. 653.
- Savage, Harry, and W. L. Baker, San Antonio, Tex. Automatic passenger-fare-registering mechanism. No. 1,109,790; Sept. 8; Gaz. vol. 206; p. 369.
- Savage, Henry T. (See Gibson, William H., assignor.)
- Savage, J. B. (See Reiser, Daniel, assignor.)
- Savage, Louis P., Laporte, Ind. Medicine-dropper. No. 1,093,481; Apr. 14; Gaz. vol. 201; p. 497.
- Savage Novelty Co. (See Savage, Ray T., assignor.)
- Savage, Ray T., Asbury Park, N. J., assignor to Savage Novelty Co., Inc. Electric sign. No. 1,098,842; June 2; Gaz. vol. 203; p. 164.
- Savage, Richard J., and C. E. Schultz, Chicago, Ill. Candy-making machine. No. 1,104,936; July 28; Gaz. vol. 204; p. 1078.
- Savage, Richard J., and C. E. Schultz, Chicago, Ill. Candy-making machine. (Reissue.) No. 13,836; Dec. 1; Gaz. vol. 209; p. 306.
- Savage, Wallace, Piedmont, Ala. Detinning. No. 1,113,491; Oct. 13; Gaz. vol. 207; p. 421.
- Savarese, Aniello, Paris, France. Machine for casting type. No. 1,100,495; June 16; Gaz. vol. 203; p. 811.
- Savell, Walter L. (See Kalmus and Savell.)
- Savelsberg, Josef, Papenburg-on-the-Ems, Germany. Sintering smelting products and the like. No. 1,103,318; July 14; Gaz. vol. 204; p. 429.
- Saveoil Creosoting Machine Company. (See Frame and Galloway, assignors.)
- Savignac, George S., and C. E. Myers, assignors, by mesne assignments, to Simplex Shoe Machinery Company, St. Louis, Mo. Seam for sewed articles. No. 1,114,533; Oct. 20; Gaz. vol. 207; p. 827.
- Savoie, Josef, Central Falls, R. I. Paper-cap remover. No. 1,105,210; July 28; Gaz. vol. 204; p. 1172.
- Savoie, Leo L., and E. F. Genevay, New Orleans, La. Vehicle-tire. No. 1,089,676; Mar. 10; Gaz. vol. 200; p. 392.
- Savold, Christopher A., *et al.* (See Ness, Jens M. J., assignor.)
- Savory, Ernest W., Clifton, Bristol, and A. F. Battey, London, England. Wiping device for die-stamping machines. No. 1,100,153; June 16; Gaz. vol. 203; p. 693.
- Savoy, John A., San Francisco, Cal. Automatic ship reversing device. No. 1,105,537; July 28; Gaz. vol. 204; p. 1289.
- Savy, Emile L. A., Paris, France. Apparatus for molding chocolate or the like containing preserved fruits, almonds, &c. No. 1,084,300; Jan. 13; Gaz. vol. 198; p. 376.
- Savy, Emile L. A., Paris, France. Apparatus for molding chocolate or the like containing preserved fruits, almonds, or other hard bodies. No. 1,110,404; Sept. 15; Gaz. vol. 206; p. 630.
- Sawhill, John A., Kansas City, Mo. Dental clamp. No. 1,101,885; June 30; Gaz. vol. 203; p. 1394.
- Sawin, Lester M., Minneapolis, Minn. Nutcracker. No. 1,097,773; May 26; Gaz. vol. 202; p. 1017.
- Sawman, Axel A., Brooklyn, N. Y. Balanced davit. No. 1,094,750; Apr. 28; Gaz. vol. 201; p. 1031.
- Sawtelle, Charles A. (See Talbot and Sawtelle.)
- Sawtelle, Charles A., assignor of one-fourth to J. Saunders, one-fourth to E. L. McCleary, and one-fourth to E. C. Bayer, Dayton, Ohio. Semi-flash steam-boiler. No. 1,085,634; Feb. 3; Gaz. vol. 199; p. 19.
- Sawyer Biscuit Company. (See Shunk, Frank A., assignor.)
- Sawyer, Burnside E., assignor to Diadem Manufacturing Company, Fitchburg, Mass. Display-card. No. 1,113,580; Oct. 13; Gaz. vol. 207; p. 451.
- Sawyer, Charles H., Minneapolis, Minn. Boat-propeller. No. 1,097,991; May 26; Gaz. vol. 202; p. 1095.
- Sawyer, Charles H., and J. Bowditch, Newcastle, New South Wales, Australia. Limber-pin for mine-skips. No. 1,092,750; Apr. 7; Gaz. vol. 201; p. 216.
- Sawyer, Ezra H. (See Steelman, Sawyer, and Fels.)
- Sawyer, Frank M., Charlotte, N. C., assignor to American Roofing Tile Company. Building-block. (Reissue.) No. 13,844; Dec. 8; Gaz. vol. 209; p. 651.
- Sawyer, George H., Port Allegany, Pa. Grinding attachment for hand-drills. No. 1,121,671; Dec. 22; Gaz. vol. 209; p. 1084.
- Sawyer, Harry, Muskegon, Mich. Freight-handling crane structure. No. 1,111,099; Sept. 22; Gaz. vol. 206; p. 917.
- Sawyer, Harry, Muskegon, Mich. Freight-handling apparatus. No. 1,111,100; Sept. 22; Gaz. vol. 206; p. 917.
- Sawyer, Harry, Muskegon, Mich. Crane. No. 1,111,101; Sept. 22; Gaz. vol. 206; p. 917.

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- Sawyer, Harry, Muskegon, Mich. Rocking-boom crane. No. 1,111,102; Sept. 22; Gaz. vol. 206; p. 918.
- Sawyer, Sumner O., Traverse City, Mich. Dental sterilizer. No. 1,083,465; Jan. 6; Gaz. vol. 198; p. 69.
- Sawyer, Thomas F., Cloverport, Ky. Admission-valve. No. 1,101,147; June 23; Gaz. vol. 203; p. 1090.
- Sawyer, Willard W., and E. H. Jungk, Brooklyn, N. Y. Numbering-machine. No. 1,089,677; Mar. 10; Gaz. vol. 200; p. 392.
- Saxe, Albert A., assignor, by mesne assignments, of one-half to R. G. Doidge, San Francisco, Cal. Carbon-destructor. No. 1,119,458; Dec. 1; Gaz. vol. 209; p. 192.
- Saxe, James H., Markesan, Wis. Breast-collar. No. 1,099,823; June 9; Gaz. vol. 203; p. 540.
- Saxe, Oscar J., Brookline, Mass. Protector for fastening devices. No. 1,096,269; May 12; Gaz. vol. 202; p. 410.
- Saxon Motor Car Company. (See Dunham, George W., assignor.)
- Saxon Motor Car Company. (See Hinkley, Carl C., assignor.)
- Saxon, William, Oak Park, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Carriage control for printing-presses. No. 1,099,940; June 16; Gaz. vol. 203; p. 618.
- Saxon, William J., Paterson, N. J. Locomotive drifting-valve. No. 1,095,931; May 5; Gaz. vol. 202; p. 256.
- Saxton, Albert H., Deerfield, Mich., and J. J. Bachmayer, Trilby, Ohio, assignors of one-third to F. S. Saxton, Blissfield, Mich. Bundle-tier. No. 1,105,703; Aug. 4; Gaz. vol. 205; p. 41.
- Saxton, Daniel W. (See Lorenz and Saxton.)
- Saxton, Frank S. (See Saxton and Bachmayer, assignors.)
- Saxton, Lee H. (See Woollacott and Saxton.)
- Saxton, Thomas G., Lexington, Ky., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Clamp device. No. 1,122,311; Dec. 29; Gaz. vol. 209; p. 1345.
- Saxton, Thomas G., Lexington, Ky., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Clamp device. No. 1,122,312; Dec. 29; Gaz. vol. 209; p. 1346.
- Saxton, Thomas G., Lexington, Ky., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,122,313; Dec. 29; Gaz. vol. 209; p. 1340.
- Saxton, William M., Spokane, Wash., and C. C. Hodge, Winnipeg, Manitoba, Canada. Boiler-washing system. No. 1,089,272; Mar. 3; Gaz. vol. 200; p. 204.
- Say, William, London, England. Vehicle-brake. No. 1,108,794; Aug. 25; Gaz. vol. 205; p. 1258.
- Say, William, London, England. Fender for motor-cars. No. 1,108,795; Aug. 25; Gaz. vol. 205; p. 1258.
- Sayer, George J., Chicago, Ill. Sausage-stuffer. No. 1,091,537; Mar. 31; Gaz. vol. 200; p. 1145.
- Sayer, George J., Chicago, Ill. Controlling device for sausage-stuffers. No. 1,091,538; Mar. 31; Gaz. vol. 200; p. 1145.
- Sayer, George J., Chicago, Ill. Sausage-stuffer. No. 1,109,548; Sept. 1; Gaz. vol. 206; p. 241.
- Sayer, George J., Chicago, Ill. Piston. No. 1,114,187; Oct. 20; Gaz. vol. 207; p. 704.
- Sayer, John. (See Cooper and Sayer.)
- Sayles, Frank A. (See Lewis, Willard I., assignor.)
- Saylor, John R., Pottstown, Pa. Machine - vise. No. 1,089,273; Mar. 3; Gaz. vol. 200; p. 205.
- Sayre, Eliza, Fonda, Iowa. Device for holding material for cleaning wall-paper, ceilings, &c. No. 1,111,499; Sept. 22; Gaz. vol. 206; p. 1054.
- Sayre, Eugene A., Elgin, Ill. Automatic radiating system for internal-combustion engines. No. 1,104,552; July 21; Gaz. vol. 204; p. 898.
- Sayre, Gordon B. (See Apple and Sayre.)
- Sazenhofen, Ludwig von, Nuremberg, Germany. Sheet-feeding apparatus. No. 1,089,274; Mar. 3; Gaz. vol. 200; p. 205.
- Sazenhofen, Ludwig von, Nuremberg, Germany. Stop-motion device. No. 1,120,547; Dec. 8; Gaz. vol. 209; p. 608.
- Scace, William, Pittsfield, Mass. Resilient tire. No. 1,110,649; Sept. 15; Gaz. vol. 206; p. 717.
- Scace, William, Pittsfield, Mass. Antislipping device. No. 1,113,581; Oct. 13; Gaz. vol. 207; p. 451.
- Scafe, Thomas L., Kalkaska, Mich. Oil-heater for engines. No. 1,119,121; Dec. 1; Gaz. vol. 209; p. 77.
- Scammell, Charles H., assignor to The Roebling Construction Company, New York, N. Y. Expanded metal lath. No. 1,087,511; Feb. 17; Gaz. vol. 199; p. 768.
- Scanlan, Edward T., Washington, D. C. Necktie-holder. No. 1,099,941; June 16; Gaz. vol. 203; p. 619.
- Scanlon, Michael L., Cleveland, Ohio. Combination coal and gas stove or range. No. 1,121,207; Dec. 15; Gaz. vol. 209; p. 888.
- Scantlebury, Spurgeon C., Spokane, Wash. Tool. No. 1,096,319; May 12; Gaz. vol. 202; p. 427.
- Scarborough, Walter M., Lancaster, Pa. Illuminated-lens sign. No. 1,104,008; July 21; Gaz. vol. 204; p. 707.
- Scardino, Pietro, New York, N. Y. Paper-trimming apparatus for paper-hangers' use. No. 1,099,942; June 16; Gaz. vol. 203; p. 619.
- Scarfe, George, Nevada City, Cal. Constant-flow meter. No. 1,109,149; Sept. 1; Gaz. vol. 206; p. 103.
- Scato, Antonio, New York, N. Y. Device for supporting the hands of pianoforte-players. No. 1,092,173; Apr. 7; Gaz. vol. 201; p. 17.
- Scattergood, George R., Philadelphia, Pa., and H. A. Wallace, New York, N. Y., assignors to The Union Switch and Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. No. 1,101,039; June 23; Gaz. vol. 203; p. 1053.
- Scattergood, George R., Philadelphia, Pa., and H. A. Wallace, New York, N. Y., assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. No. 1,101,040; June 23; Gaz. vol. 203; p. 1054.
- Scaturro, Antonino, New York, N. Y. Safety baby-hat. No. 1,104,553; July 21; Gaz. vol. 204; p. 899.
- Schessy, Aladar, and S. Remusz, South Bethlehem, Pa. Antiskidding device for pneumatic tires. No. 1,118,880; Nov. 24; Gaz. vol. 208; p. 1308.
- Schaaf, Edward, *et al.* (See Scheuermann, Philip J., assignor.)
- Schaaf, Walter, Leichlingen, Germany. Self opening and closing umbrella. No. 1,091,895; Mar. 31; Gaz. vol. 200; p. 1269.
- Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Braking system. No. 1,107,552; Aug. 18; Gaz. vol. 205; p. 779.
- Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Trolley-wire hanger. No. 1,113,492; Oct. 13; Gaz. vol. 207; p. 421.
- Schaal, Alvin H., Butte, Mont. Shock-absorber. No. 1,099,943; June 16; Gaz. vol. 203; p. 619.
- Schaal, Frederick E., Galesburg, Ill. Oil-burner for stoves. No. 1,083,947; Jan. 13; Gaz. vol. 198; p. 256.
- Schaanning, Peder C., Christiania, Norway. Plant for removing water from pulp in wood-pulp mills. No. 1,094,378; Apr. 21; Gaz. vol. 201; p. 837.
- Schabloske, Len. (See Carey and Schabloske.)
- Schade, Charles, Cropsey, Ill. Electric signal for hay-presses. No. 1,095,235; May 5; Gaz. vol. 202; p. 21.
- Schade, Edmund A., assignor to The Stanley Rule & Level Company, New Britain, Conn. Hand-level construction. No. 1,111,677; Sept. 22; Gaz. vol. 206; p. 1116.
- Schade, Frederik, Skive, Denmark. Apparatus for tearing or cutting off pieces from rolled-up paper. No. 1,107,848; Aug. 18; Gaz. vol. 205; p. 885.
- Schade, John, Jr., assignor of one-half to A. C. Wessmann, New York, N. Y. Safety device. No. 1,103,437; July 14; Gaz. vol. 204; p. 467.
- Schade, William F., Griffin, N. D. Plow-lifting mechanism. No. 1,109,084; Sept. 1; Gaz. vol. 206; p. 80.
- Schädel, née Höppener, Alma, Lübeck, Germany. Carousel. No. 1,120,245; Dec. 8; Gaz. vol. 209; p. 501.
- Schadt, Adam E., Rome, Iowa. Planter attachment. No. 1,085,635; Feb. 3; Gaz. vol. 199; p. 20.
- Schaefer, Arthur E. (See Graves and Schaefer.)
- Schaefer, Arthur E., Saginaw, Mich. Recovery of bromine. No. 1,085,944; Feb. 3; Gaz. vol. 199; p. 130.
- Schaefer, Béla, assignor to Hartmann & Braun A.-G., Frankfurt-on-the-Main, Germany. Vapor electric apparatus. No. 1,097,473; May 19; Gaz. vol. 202; p. 868.
- Schaefer, Carl A., Hanover, Germany. Holder for electric glow-lamps. No. 1,120,851; Dec. 15; Gaz. vol. 209; p. 762.
- Schaefer, Carl T., Honolulu, Hawaii. Switch-operating device. No. 1,116,330; Nov. 3; Gaz. vol. 208; p. 294.
- Schaefer, David, New York, N. Y. Safety-razor. No. 1,119,122; Dec. 1; Gaz. vol. 209; p. 78.
- Schaefer, Frank M., assignor to F. N. Baylies, Chicago, Ill. Meat-block. No. 1,122,314; Dec. 29; Gaz. vol. 209; p. 1347.
- Schaefer, George W. (See Roberts and Schaefer.)
- Schaefer, John, Gilmanton, Wis. Automatic train-stopping apparatus. No. 1,113,838; Oct. 13; Gaz. vol. 207; p. 542.
- Schaefer, John W., Beardstown, Ill. Store-window display-machine. No. 1,108,008; Aug. 18; Gaz. vol. 205; p. 940.
- Schaefer, August, Frankfurt-on-the-Main, Germany. Electric heater for fans. No. 1,106,975; Aug. 11; Gaz. vol. 205; p. 530.
- Schaeffer & Budenberg Mfg. Co., The. (See Amthor, Fritz E., assignor.)
- Schaeffer, Francis, and W. J. Shearer, assignors of one-third to J. J. Miller, Reading, Pa. Felting-machine. No. 1,108,244; Aug. 25; Gaz. vol. 205; p. 1070.
- Schaeffer, Howard F. (See Leister and Schaeffer.)
- Schaeffer, Luther, Chicago, Ill., assignor to H. E. Petty, J. McFeely, Indianapolis, Ind., and M. E. Petty, Chicago, Ill. Centrifugal governor-switch. No. 1,122,543; Dec. 29; Gaz. vol. 209; p. 1423.
- Schaeffer, William H., Tulpehocken, Pa. Trace-holder. No. 1,087,185; Feb. 17; Gaz. vol. 199; p. 653.
- Schaeffer, Winters L., assignor of one-half to I. Marcy, Chandlerville, Ill. Music-leaf turner. No. 1,098,644; June 2; Gaz. vol. 203; p. 99.
- Schaekel, Frederick C., assignor of one-half to H. J. Chittenden, Toledo, Ohio. Mausoleum construction. No. 1,094,600; Apr. 23; Gaz. vol. 201; p. 975.

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- Schaetzl, George H., assignor to Pfenninger Pretzel & Baking Company, St. Louis, Mo. Pretzel-making machine. No. 1,089,725; Mar. 10; Gaz. vol. 200; p. 408.
- Schafer, Cecil K. (See Von Dorn, Calvin W., assignor.)
- Schafer, Ditrich, Sacramento, Cal. Window-ventilator. No. 1,091,769; Mar. 31; Gaz. vol. 200; p. 1225.
- Schafer, Frank, Philadelphia, Pa., assignor to The Diamond Match Company, Chicago, Ill. Carrier for match-splints. No. 1,089,795; Mar. 10; Gaz. vol. 200; p. 431.
- Schafer, Frank, Rondo, N. C., assignor to The Diamond Match Company, Chicago, Ill. Match-making machine. No. 1,090,569; Mar. 17; Gaz. vol. 200; p. 743.
- Schafer, John H. (See Rossow and Schafer.)
- Schäfer, Max, Leipzig, Germany. Holder for watches and other articles. No. 1,098,843; June 2; Gaz. vol. 203; p. 165.
- Schäfer, Max, assignor to Firm of R. Bosch, Stuttgart, Germany. Interrupter for electric ignition-machines. No. 1,104,007; July 21; Gaz. vol. 204; p. 707.
- Schäfer, Wilhelm, Mannheim, Germany. Window-frame. No. 1,088,376; Feb. 24; Gaz. vol. 199; p. 1113.
- Schaff, Benjamin H., Plainfield, N. J., assignor to S. Bevin, Flushing, N. Y. Reamer. No. 1,101,471; June 23; Gaz. vol. 203; p. 1200.
- Schaffel, Max. (See Magidson, Frank, assignor.)
- Schäffer, Axel, Copenhagen, Denmark. Rotary kiln. No. 1,084,170; Jan. 13; Gaz. vol. 198; p. 333.
- Schaffer, Charles, assignor of one-third to J. W. Brown and one-third to P. Gorham, Florence, Ariz. Railway-tie. No. 1,107,116; Aug. 11; Gaz. vol. 205; p. 575.
- Schaffer, John C., Toledo, Ohio. Ware-seasoner. No. 1,119,045; Dec. 1; Gaz. vol. 209; p. 53.
- Schaffer, Lorenz, San Francisco, Cal. Joist-hanger bender. No. 1,120,630; Dec. 8; Gaz. vol. 209; p. 638.
- Schaffert, Adolf H., assignor to The General Fireproofing Company, Youngstown, Ohio. Follower for filing-cabinet drawers. No. 1,120,548; Dec. 8; Gaz. vol. 209; p. 609.
- Schaffert, Adolph H., assignor to The General Fireproofing Company, Youngstown, Ohio. Sides unit for metal filing-cabinets. No. 1,089,796; Mar. 10; Gaz. vol. 200; p. 432.
- Schaffler, Konrad, *rekte* Glössl, Vienna, Austria-Hungary. Electric ignition-fuse. No. 1,091,021; Mar. 24; Gaz. vol. 200; p. 928.
- Schafuss, Norma F., New York, N. Y. Clasp. No. 1,117,914; Nov. 17; Gaz. vol. 208; p. 932.
- Schahl, Gottlieb F., Mount Pulaski, Ill. Swingletree-coupling. No. 1,087,986; Feb. 24; Gaz. vol. 199; p. 980.
- Schaidhauf, Alois, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Stable hydrogen peroxid and making the same. No. 1,109,791; Sept. 8; Gaz. vol. 206; p. 370.
- Schaller, Carl, Brunswick, Germany. Calculating-machine. No. 1,109,471; Sept. 1; Gaz. vol. 206; p. 216.
- Schaller, Oscar, Webster Groves, Mo. Vehicle-wheel. No. 1,105,211; July 28; Gaz. vol. 204; p. 1173.
- Schalles, Charles, Cortez, Colo. Automatic spillway. No. 1,085,491; Jan. 27; Gaz. vol. 198; p. 842.
- Schalscha, Max, Summit, assignor to Union Iron Works, Hoboken, N. J. Pile-hammer. No. 1,093,210; Apr. 14; Gaz. vol. 201; p. 408.
- Schamann, Matthew, Alma, Wis. Sawing-machine. No. 1,109,252; Sept. 1; Gaz. vol. 206; p. 141.
- Schamell, Otto A., Milwaukee, Wis. Road-roller. No. 1,102,443; July 7; Gaz. vol. 204; p. 78.
- Schamu, Charles G., Liverpool, N. Y. Beehive. No. 1,100,847; June 23; Gaz. vol. 203; p. 984.
- Schanck, George H., Libertyville, Ill. Spring-wheel. No. 1,084,664; Jan. 20; Gaz. vol. 198; p. 523.
- Schantz, Abraham J., Orrville, Ohio. Organ-blower. No. 1,117,605; Nov. 17; Gaz. vol. 208; p. 824.
- Schanz, Friedrich A., Dresden, Germany. Apparatus for demonstrating ocular fluorescence. No. 1,105,310; July 28; Gaz. vol. 204; p. 1208.
- Schaperjahn, Herman, New York, N. Y. Pipe-covering. No. 1,105,844; Aug. 4; Gaz. vol. 205; p. 91.
- Schardt, Frederick, Arapahoe, Nebr. Chicken-roost. No. 1,087,833; Feb. 17; Gaz. vol. 199; p. 880.
- Schärer, Emil, Zurich, Switzerland. Scaffolding for buildings and the like. No. 1,113,839; Oct. 13; Gaz. vol. 207; p. 542.
- Scharf, Frank W., assignor to Interstate Electric & Mfg. Co., Sioux City, Iowa. Electric light and power switch-board. No. 1,102,805; July 7; Gaz. vol. 204; p. 203.
- Scharfenberg, Carl. (See Steiner, Liebermann, and Scharfenberg.)
- Scharfenberg, Oswald, and W. Herzberg, Schöneberg, near Berlin, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Sulfurized dyes and making same. No. 1,102,171; June 30; Gaz. vol. 203; p. 1496.
- Scharff, Max, Ludwigshafen-on-the-Rhine, Germany, assignor to Norsk Hydro-Elektrisk Kvaestofaktieselskab, Christiania, Norway. Effecting solidification of fluid nitrate of lime. No. 1,112,722; Oct. 6; Gaz. vol. 207; p. 111.
- Scharlach, Fernando L. L., Iroquois, Ill. Egg-crate. No. 1,118,154; Nov. 24; Gaz. vol. 208; p. 1056.
- Schartow, Frank E., Racine, assignor of one-half to R. A. Nourse, Milwaukee, Wis. Hame-clip. No. 1,121,943; Dec. 22; Gaz. vol. 209; p. 1181.
- Scharwath, John A., Cranford, N. J. Producing heat-insulating material. No. 1,092,402; Apr. 7; Gaz. vol. 201; p. 96.
- Scharwenka, Adolf V., New York, N. Y. Railway-switch. No. 1,109,943; Sept. 8; Gaz. vol. 206; p. 426.
- Schatz, Adam E., Mount Vernon, N. Y. Shoe for furniture-legs. No. 1,106,520; Aug. 11; Gaz. vol. 205; p. 370.
- Schatz, Adam E., Mount Vernon, N. Y. Apparatus for dispensing liquids. No. 1,112,386; Sept. 29; Gaz. vol. 206; p. 1399.
- Schaub, Frank H., Madison, Wis. Hand-tool for ornamenting confectionery. No. 1,100,918; June 23; Gaz. vol. 203; p. 1010.
- Schaub, Jacob, Logan, Utah, assignor, by mesne assignments, to The Caxton Printers, Limited, Caldwell, Idaho. Locking mechanism for loose-leaf binders. No. 1,105,161; July 28; Gaz. vol. 204; p. 1154.
- Schauer, Arthur W., Hartford, Wis. Automatic train-stop mechanism. No. 1,115,247; Oct. 27; Gaz. vol. 207; p. 1131.
- Schaum, Frank A. (See Huettelman, Cramer, Schaum, and Wiedeman.)
- Schaum, Otto W., Philadelphia, Pa. Ball-gage. No. 1,118,587; Nov. 24; Gaz. vol. 208; p. 1210.
- Schaumböckel, Charles E., Baltimore, Md. Shade-fixture. No. 1,095,035; Apr. 28; Gaz. vol. 201; p. 1129.
- Schautz, George J., and E. J. Stoeckel, Scranton, Pa. Thread-tension device. No. 1,111,500; Sept. 22; Gaz. vol. 206; p. 1054.
- Schebler, George M., assignor to F. H. Wheeler, Indianapolis, Ind. Carbureter. No. 1,108,245; Aug. 25; Gaz. vol. 205; p. 1070.
- Schebler, George M., assignor to F. H. Wheeler, Indianapolis, Ind. Air-valve for carbureters. No. 1,108,246; Aug. 25; Gaz. vol. 205; p. 1071.
- Schebora, John, Chicago, Ill. Window and frame therefor. No. 1,109,253; Sept. 1; Gaz. vol. 206; p. 141.
- Scheckenbach, Joseph, Munich, Germany. Manufacturing fusel-oil. No. 1,118,238; Nov. 24; Gaz. vol. 208; p. 1084.
- Schee, John C., *et al.* (See Ames, Joel, assignor.)
- Schee, John C., and M. A. Lyons, Farmington, Iowa. Gate-hinge. No. 1,098,591; June 2; Gaz. vol. 203; p. 82.
- Scheeffer, Gustave A., Indianapolis, Ind., assignor, by mesne assignments, to Roller Smith Co., New York, N. Y. Electric test-meter. No. 1,108,401; Aug. 25; Gaz. vol. 205; p. 1125.
- Scheel, George L., Chicago, Ill. Hair-drying comb. No. 1,106,411; Aug. 11; Gaz. vol. 205; p. 329.
- Scheer, Charles, Silverton, Colo. Mask. No. 1,096,761; May 12; Gaz. vol. 202; p. 575.
- Schefer, Johann J., Herisau, Switzerland. Device for folding strips of fabric or the like. No. 1,088,456; Feb. 24; Gaz. vol. 199; p. 1140.
- Scheibe, Harold M., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of multicurrent distribution. No. 1,112,482; Oct. 6; Gaz. vol. 207; p. 24.
- Scheibert, Rudolph H., Cincinnati, Ohio. Steering-wheel. No. 1,103,438; July 14; Gaz. vol. 204; p. 468.
- Scheible, Albert, Chicago, Ill. Collar-fastener. No. 1,107,709; Aug. 18; Gaz. vol. 205; p. 837.
- Scheible, Albert, Chicago, Ill., assignor, by mesne assignments, to The Kraker Pen Co., Kansas City, Mo. Clip for fountain-pens. No. 1,111,501; Sept. 22; Gaz. vol. 206; p. 1055.
- Scheibner, Walter E., Wilbur, Wash. Fluid-controlled variable-speed-transmission gearing. No. 1,119,320; Dec. 1; Gaz. vol. 209; p. 144.
- Scheier, Emilie M., Indianapolis, Ind. Sanitary fruit-depressor. No. 1,084,114; Jan. 13; Gaz. vol. 198; p. 314.
- Scheinman, Isaac, New York, N. Y. Trousers. No. 1,106,587; Aug. 11; Gaz. vol. 205; p. 395.
- Scheinman, Isaac, New York, N. Y. Closure for garments. No. 1,118,155; Nov. 24; Gaz. vol. 208; p. 1057.
- Schell, Max P., assignor to C. H. Kobicke, San Francisco, Cal. Non-refillable bottle. No. 1,095,360; May 5; Gaz. vol. 202; p. 64.
- Schell, Milo M., West Alexandria, assignor of one-half to J. W. Trump, Arcanum, Ohio. Flexible garment-fastener. No. 1,108,796; Aug. 25; Gaz. vol. 205; p. 1259.
- Schellberg, Oscar B., New York, N. Y. Catheter-case. No. 1,120,549; Dec. 8; Gaz. vol. 209; p. 609.
- Schellenbach, William, Hartwell, Ohio. Collet-chuck. No. 1,094,346; Apr. 21; Gaz. vol. 201; p. 825.
- Schellenbach, William, Wyoming, Ohio. Diameter-stop for machine-tools. No. 1,094,601; Apr. 28; Gaz. vol. 201; p. 975.
- Schellenbach, William, and W. Lodge, assignors to The Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Multiple-tool holder. No. 1,098,688; June 2; Gaz. vol. 203; p. 114.
- Schellenbach, William L., Hartwell, Ohio. Taper attachment for lathes. No. 1,100,259; June 16; Gaz. vol. 203; p. 729.

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- Schellhammer, Alfred L., Warren, Pa., assignor to United States Incinerator Company, Buffalo, N. Y. Incinerator for garbage, excrement, &c. No. 1,092,080; Mar. 31; Gaz. vol. 200; p. 1330.
- Schelling, Edmund, Zurich, Switzerland. Machine for cutting fabric along the edge of embroidery. No. 1,087,834; Feb. 17; Gaz. vol. 199; p. 880.
- Schelling, Oscar, and A. A. Phillips, assignors of one-third to G. Gartling, Los Angeles, Cal. Rope-socket. No. 1,090,570; Mar. 17; Gaz. vol. 200; p. 743.
- Schelly, Cyrus Y. (See Koch, John F., assignor.)
- Schelnik, Ernest A., Los Angeles, Cal. Liquid-ejector for shoe-polish and similar articles. No. 1,095,423; May 5; Gaz. vol. 202; p. 85.
- Schelter, John C. (See Horton, Irving, assignor.)
- Schelter, John C., Rochester, N. Y., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Last. No. 1,110,719; Sept. 15; Gaz. vol. 206; p. 742.
- Schenck, Charles. (See Wyld and Schenck.)
- Schenck, Charles, assignor to Elevator Supply & Repair Company, Chicago, Ill. Safety appliance for elevator-cars. No. 1,090,170; Mar. 17; Gaz. vol. 200; p. 602.
- Schenck, Charles, and J. M. Graham, assignors to Elevator Supply & Repair Company, Chicago, Ill. Electric indicator. No. 1,089,589; Mar. 10; Gaz. vol. 200; p. 362.
- Schenck, Charles H., Chattanooga, Tenn. Cultivator. No. 1,084,823; Jan. 20; Gaz. vol. 198; p. 580.
- Schenck, Eugene A., Kansas City, Kans., assignor of one-half to F. Hagerman, Kansas City, Mo. Vacuum-producer. No. 1,108,247; Aug. 25; Gaz. vol. 205; p. 1071.
- Schenck, Garret, Millinocket, Me. Barking-mill. No. 1,120,631; Dec. 8; Gaz. vol. 209; p. 639.
- Schenck, Harry G., Delphi, Ind. Concrete-mold. No. 1,117,449; Nov. 17; Gaz. vol. 208; p. 770.
- Schenck, Henry L., assignor of one-fourth to H. M. Onyett, Decatur, and one-fourth to T. J. Draper, Mount Zion, Ill. Changeable-speed-gear mechanism. No. 1,094,751; Apr. 28; Gaz. vol. 201; p. 1031.
- Schenck, John E., Chicago, Ill., and C. A. Doolittle, Detroit, Mich., assignors to American Can Company, New York, N. Y. Can fusing or sweating machine. No. 1,094,935; Apr. 28; Gaz. vol. 201; p. 1094.
- Schenck, Peirce D., Dayton, Ohio. Tire-holder. No. 1,112,661; Oct. 6; Gaz. vol. 207; p. 90.
- Schencks, George W., San Diego, assignor of one-fourth to J. H. Shanks and one-fourth to H. B. Shanks, Los Angeles, Cal. Bottle. No. 1,088,457; Feb. 24; Gaz. vol. 199; p. 1140.
- Schenk, James J., Las Cruces, N. Mex. Egg-separator. No. 1,101,041; June 23; Gaz. vol. 203; p. 1054.
- Schenker, William W., New York, N. Y. Waterproof case. No. 1,117,915; Nov. 17; Gaz. vol. 208; p. 933.
- Schepmoes, Lindsley. (See Sofio and Schepmoes.)
- Scheppe, Albert J. (See Scheppe, Herman J. and A. J.)
- Scheppe, Herman J. and A. J., near Manhattan, Kans. Hoisting apparatus for certain farm implements. No. 1,108,797; Aug. 25; Gaz. vol. 205; p. 1259.
- Scherbius, Arthur, Baden, Switzerland, assignor to General Electric Company. Excitation of dynamo-electric commutator-machines. No. 1,114,534; Oct. 20; Gaz. vol. 207; p. 828.
- Scherbius, Arthur L. J., Frankfort-on-the-Main, Germany, assignor to General Electric Company. Dynamo-electric machinery. No. 1,084,040; Jan. 13; Gaz. vol. 198; p. 289.
- Scherbring, Frank H., Arcadia, Iowa. Husking device. No. 1,121,875; Dec. 22; Gaz. vol. 209; p. 1157.
- Scherer, Albert G., assignor to The Excelsior Steel Furnace Company, Chicago, Ill. Double-wall hot-air conveyor or stack. No. 1,085,303; Jan. 27; Gaz. vol. 198; p. 781.
- Scherer, Albert G., assignor to The Excelsior Steel Furnace Company, Chicago, Ill. Safety device for clutch-controlled machines. No. 1,102,608; July 7; Gaz. vol. 204; p. 136.
- Scherer, Albert G., assignor to The Excelsior Steel Furnace Company, Chicago, Ill. Safety device for clutch-controlled machines. No. 1,102,609; July 7; Gaz. vol. 204; p. 136.
- Scherer, Richard. (See Wechsler and Scherer.)
- Scherer, William F., Sheppards, Va. Rail joint and chair. No. 1,122,163; Dec. 22; Gaz. vol. 209; p. 1255.
- Scherff, Henry, South Kaukauna, Wis. Life-saving detachable deck. No. 1,101,336; June 23; Gaz. vol. 203; p. 1154.
- Scherling, Rudolph C., assignor to H. E. and J. E. Bullock, Chicago, Ill. End plate for the spindle-cylinders of cotton-harvesting machines. No. 1,121,294; Dec. 15; Gaz. vol. 209; p. 917.
- Schermerhorn, Edwards F., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Insulated rail-joint. No. 1,084,903; Jan. 20; Gaz. vol. 198; p. 606.
- Scherr, Jean, Ehrenfeld, Cologne, Germany. Tap and valve. No. 1,089,160; Mar. 3; Gaz. vol. 200; p. 170.
- Scherrer, Amiel. (See Browning, Justus A., assignor.)
- Schertz, Arthur M., Schertz, Tex. Harvester-bag carrier. No. 1,122,805; Dec. 29; Gaz. vol. 209; p. 1517.
- Scherzer, Albert H., Chicago, Ill. Bascule-bridge. No. 1,104,318; July 21; Gaz. vol. 204; p. 814.
- Scherzer, Albert H., Chicago, Ill. Bascule-bridge. No. 1,109,792; Sept. 8; Gaz. vol. 206; p. 370.
- Scherzer, Albert H., Chicago, Ill. Bascule-bridge. No. 1,114,535; Oct. 20; Gaz. vol. 207; p. 828.
- Schettler, Gustav A., Leicester, England. Machine for measuring the superficial area of leather and like materials. No. 1,114,917; Oct. 27; Gaz. vol. 207; p. 1014.
- Scheu, John H., New York, N. Y. Inking mechanism for printing-presses. No. 1,114,188; Oct. 20; Gaz. vol. 207; p. 705.
- Scheu, William C., assignor to The Bannister Orchard Heater Company, Grand Junction, Colo. Orchard-heater. No. 1,089,013; Mar. 3; Gaz. vol. 200; p. 116.
- Scheu, William C., Grand Junction, Colo., assignor to Hamilton Orchard Heater Company, Wheeling, W. Va. Orchard-heater. No. 1,100,101; June 16; Gaz. vol. 203; p. 674.
- Scheuer, Joseph F., Two Rivers, Wis. Thermal circuit-closer. No. 1,122,032; Dec. 22; Gaz. vol. 209; p. 1212.
- Scheuerman, William, Leoti, Kans. Rail-brace. No. 1,093,482; Apr. 14; Gaz. vol. 201; p. 497.
- Scheuermann, Karl, Wiesbaden, Germany. Drainage plant for road-beds. No. 1,108,852; Aug. 25; Gaz. vol. 205; p. 1280.
- Scheuermann, Philip J., St. Louis, Mo., assignor of one-third to S. G. Martin, Chicago, Ill., one-third to W. O. Bartholomew, St. Louis, and one-third to E. Schaaf, St. Marys, Mo. Treating fruits. No. 1,108,521; Aug. 25; Gaz. vol. 205; p. 1167.
- Scheufele, Karl, Pforzheim, Germany. Bracelet with watch-holder. No. 1,100,496; June 16; Gaz. vol. 203; p. 811.
- Scheuffgen, Robert, assignor to Fabrik Explosions-sicherer Gefässe G. m. b. H., Salzkotten, Westphalia, Germany. Extinguishing fires. No. 1,118,952; Dec. 1; Gaz. vol. 209; p. 16.
- Scheuner, Charles, Chicago, Ill. Spring-tire. No. 1,099,722; June 9; Gaz. vol. 203; p. 508.
- Schevitz, Carl, Jacksonville, Fla. Spring-wheel. No. 1,109,549; Sept. 1; Gaz. vol. 206; p. 242.
- Schewczik, Silvio A., Vienna, Austria-Hungary. Hot-plate. No. 1,094,256; Apr. 21; Gaz. vol. 201; p. 799.
- Schick, Charles, Davenport, Iowa. Paper-press. No. 1,112,723; Oct. 6; Gaz. vol. 207; p. 111.
- Schick, John L., and R. L. Jackson, Washington, D. C. Sugar-bowl. No. 1,113,056; Oct. 6; Gaz. vol. 207; p. 223.
- Schickel, Norbert H., New York, N. Y. Internal-combustion engine. No. 1,087,835; Feb. 17; Gaz. vol. 199; p. 881.
- Schidorsky, Theodore, and J. Barashick, New York, N. Y. Door attachment. No. 1,088,300; Feb. 24; Gaz. vol. 199; p. 1088.
- Schieb, Ray K., and H. E. Shaffer, Akron, Ohio. Automobile light and indicator. No. 1,089,014; Mar. 3; Gaz. vol. 200; p. 116.
- Schiebeler, Carl, Wilmersdorf, Germany, assignor to General Electric Company. Hoisting conveyance. No. 1,102,550; July 7; Gaz. vol. 204; p. 115.
- Schields, Fritz W., assignor to C. A. Goeken, Atlantic, Iowa. Scythe. No. 1,095,179; Apr. 28; Gaz. vol. 201; p. 1180.
- Schier, Oscar B., Baltimore, Md. Pasteurizing apparatus for liquids in bottles. No. 1,115,248; Oct. 27; Gaz. vol. 207; p. 1131.
- Schiesl, William W., assignor of one-fourth to F. Schmitt Milwaukee, Wis. Antifriction journal-bearing. No. 1,092,174; Apr. 7; Gaz. vol. 201; p. 17.
- Schiessler, Josef, Baden, near Vienna, Austria-Hungary. Relay for strengthening weak electric currents. No. 1,086,942; Feb. 10; Gaz. vol. 199; p. 520.
- Schiessler, Josef, Baden, near Vienna, Austria-Hungary. Receiving apparatus for alternative wireless telegraphy and telephony. No. 1,092,294; Apr. 7; Gaz. vol. 201; p. 60.
- Schiessler, Josef, Baden, near Vienna, Austria-Hungary. Submarine signaling apparatus. No. 1,099,998; June 16; Gaz. vol. 203; p. 639.
- Schiessler, Josef, Baden, near Vienna, Austria-Hungary. Apparatus for the production and strengthening of electrical vibrations. No. 1,101,148; June 23; Gaz. vol. 203; p. 1090.
- Schiessler, Josef, Baden, near Vienna, Austria-Hungary. Telephonic and telegraphic apparatus. No. 1,109,472; Sept. 1; Gaz. vol. 206; p. 217.
- Schiessler, Josef, Baden, near Vienna, Austria-Hungary. Electric capacitative inductive coupling. No. 1,116,130; Nov. 3; Gaz. vol. 208; p. 228.
- Schiff, Sigmund, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,104,278; July 21; Gaz. vol. 204; p. 800.
- Schiffer, Louis S., New York, N. Y. Double-faced Teddy bear. No. 1,099,208; June 9; Gaz. vol. 203; p. 330.
- Schiffner, Mathias. (See Schiffner, Peter, assignor.)
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- Schiffmann, John B. (See Schiffmann, Auguste C. and J. B.)
- Schildbach, August C., assignor to The Marlin Firearms Company, New Haven, Conn. Cut-off for magazine-guns. No. 1,099,621; June 9; Gaz. vol. 203; p. 472.
- Schildwachter, William, Walworth, Nebr. Well-tool. No. 1,087,262; Feb. 17; Gaz. vol. 199; p. 682.
- Schill, Emil, assignor to Continental Gas Compressing Corporation, New York, N. Y. Obtaining liquid hydrocarbons. No. 1,100,260; June 16; Gaz. vol. 203; p. 730.
- Schill, Emil, assignor to Continental Gas Compressing Corporation, New York, N. Y. Obtaining liquid hydrocarbons. (Reissue.) No. 13,829; Nov. 17; Gaz. vol. 208; p. 953.
- Schilling, George W., Philadelphia, Pa. Checker or chess board. No. 1,092,599; Apr. 7; Gaz. vol. 201; p. 165.
- Schilling, Matthew K., New Orleans, La. Cable-connector. No. 1,086,227; Feb. 3; Gaz. vol. 199; p. 228.
- Schilling, Paul, assignor of one-half to T. D. Schilling, Milwaukee, Wis. Mattress. No. 1,092,864; Apr. 14; Gaz. vol. 201; p. 289.
- Schilling, Theodore D. (See Schilling, Paul, assignor.)
- Schilpp, Charles, Philadelphia, Pa. Detachable sleigh-runners for baby-carriages. No. 1,093,483; Apr. 14; Gaz. vol. 201; p. 497.
- Schimmel, Abraham A., Boston, Mass. Hammock. No. 1,090,108; Mar. 10; Gaz. vol. 200; p. 540.
- Schimmel, Fridolin, Faribault, Minn. Frictional shock-absorber. No. 1,097,050; May 19; Gaz. vol. 202; p. 720.
- Schimmel, Fridolin, Faribault, Minn. Shock-absorber. No. 1,114,651; Oct. 20; Gaz. vol. 207; p. 866.
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- Schimmel, Gustav R., Detroit, Mich. Hypodermic syringe. No. 1,101,571; June 30; Gaz. vol. 203; p. 1287.
- Schimmel, Gustav R., Detroit, Mich. Hypodermic-syringe-holding attachment for bottles. No. 1,116,493; Nov. 10; Gaz. vol. 208; p. 392.
- Schimmel, Henry E., Providence, R. I. Grounding device. No. 1,088,101; Feb. 24; Gaz. vol. 199; p. 1021.
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- Schimpfe, Frank. (See Patrosio, William, assignor.)
- Schindeler, Franz T. M., Cleveland, Ohio. Serving device. No. 1,103,225; July 14; Gaz. vol. 204; p. 397.
- Schindler, Anthony J., Bloomfield, N. J. Box-spout. No. 1,101,337; June 23; Gaz. vol. 203; p. 1154.
- Schindler, George, Egg Harbor City, N. J. Ash-sifter. No. 1,099,824; June 9; Gaz. vol. 203; p. 541.
- Schindler, John L., Friend, Oreg. Throttling device for hydrocarbon-engines. No. 1,089,275; Mar. 3; Gaz. vol. 200; p. 206.
- Schindler, John L., Friend, Oreg. Governor for explosive-engines. No. 1,102,960; July 7; Gaz. vol. 204; p. 256.
- Schinnerling, Heinrich, Reinickendorf-Ost, Germany, assignor to General Electric Company. Process of drawing wire and apparatus for same. No. 1,097,866; May 19; Gaz. vol. 202; p. 655.
- Schipper, Adrian, Ogden, Utah. Rechargeable electric fuse. No. 1,121,876; Dec. 22; Gaz. vol. 209; p. 1157.
- Schirl, Arthur W., Milwaukee, Wis. Ink-well. No. 1,083,861; Jan. 6; Gaz. vol. 198; p. 196.
- Schirmer, Theodore F., assignor to The Standard Register Company, Dayton, Ohio. Autographic register. No. 1,106,976; Aug. 11; Gaz. vol. 205; p. 530.
- Schirmer, William, San Francisco, Cal. Portable boom. No. 1,122,236; Dec. 22; Gaz. vol. 209; p. 1280.
- Schirra, Julius, assignor to J. C. Forster & Son, Pittsburgh, Pa. Pump for vacuum-cleaners. No. 1,095,236; May 5; Gaz. vol. 202; p. 22.
- Schirra, Julius, assignor to Hand Vacuum Sweeper Company, Pittsburgh, Pa. Suction-creating mechanism for vacuum cleaning apparatus. No. 1,106,682; Aug. 11; Gaz. vol. 205; p. 427.
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- Schisler, Frank J., Winthrop, Minn. Reinforced tubular building unit. No. 1,090,171; Mar. 17; Gaz. vol. 200; p. 603.
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- Schisler, Frank J., Winthrop, Minn. Insulator. No. 1,116,631; Nov. 10; Gaz. vol. 208; p. 445.
- Schlicht, Traugott A. D., Ochevedan, Iowa. Cleaner for boiler-feed pipes. No. 1,098,128; May 26; Gaz. vol. 202; p. 1142.
- Schlachter, George, Cleveland, Ohio. Nut-threading machine. No. 1,099,723; June 9; Gaz. vol. 203; p. 508.
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- Schlacks, Joseph T., and P. L. Barter, assignors to McCord Manufacturing Company, Detroit, Mich. Metal window-sash. No. 1,106,412; Aug. 11; Gaz. vol. 205; p. 329.
- Schlaepfer, Edouard, fils, assignor to L. Blanc, Lausanne, Canton of Vaud, Switzerland. Bottle-washing apparatus. No. 1,094,168; Apr. 21; Gaz. vol. 201; p. 771.
- Schlaefly, Julius H., Canton, Ohio. Metallic flume. No. 1,087,325; Feb. 17; Gaz. vol. 199; p. 703.
- Schlaefly, Julius H., Canton, Ohio. Metallic flume. No. 1,113,251; Oct. 13; Gaz. vol. 207; p. 335.
- Schlaefly, Julius H., assignor to The Berger Manufacturing Company, Canton, Ohio. Base for composition floors. No. 1,093,653; Apr. 21; Gaz. vol. 201; p. 597.
- Schlag, Joseph, Cleveland, Ohio. Bowling-pin. No. 1,088,937; Mar. 3; Gaz. vol. 200; p. 91.
- Schlage, Walter R., San Francisco, Cal. Indicating push-button. No. 1,085,826; Feb. 3; Gaz. vol. 199; p. 88.
- Schlared, Charles, assignor of one-half to M. H. Neil, Columbus, Ohio. Car-coupling. No. 1,110,829; Sept. 15; Gaz. vol. 206; p. 779.
- Schlattner, Franz, Biesenenthal, Germany, assignor of one-half to W. Streitzig, Reichenberg, Austria-Hungary. Manufacture of artificial marble. No. 1,120,632; Dec. 8; Gaz. vol. 209; p. 639.
- Schlegel, Arthur, Mannheim, Germany, and K. Pfister, Philadelphia, Pa., assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing stable dyeings. No. 1,121,295; Dec. 15; Gaz. vol. 209; p. 918.
- Schlegel, John H., Mount Penn, Pa. Lawn-mower grinder. No. 1,097,267; May 19; Gaz. vol. 202; p. 797.
- Schlegel, Oswald A. (See Dianovszky, John, assignor.)
- Schlegell, Victor von, New York, N. Y., assignor to Hale and Kilburn Company, Philadelphia, Pa. Car construction. No. 1,091,770; Mar. 31; Gaz. vol. 200; p. 1225.
- Schleicher, George, New York, N. Y. Portable lighter. No. 1,091,966; Mar. 31; Gaz. vol. 200; p. 1293.
- Schleicher, John C., Mount Vernon, N. Y. Cushion-tire. No. 1,086,228; Feb. 3; Gaz. vol. 199; p. 229.
- Schleicher, John W., St. Louis, Mo., assignor to Mengel Box Company, Louisville, Ky. Crate or rack making machine. No. 1,090,655; Mar. 17; Gaz. vol. 200; p. 772.
- Schleicher, John W., St. Louis, Mo., assignor to Mengel Box Company, Louisville, Ky. Shipping-box. No. 1,116,632; Nov. 10; Gaz. vol. 208; p. 445.
- Schleicher, William A., Cleveland, Ohio. Hame and trace connector. No. 1,118,448; Nov. 24; Gaz. vol. 208; p. 1161.
- Schleier, George R. (See Komarek and Schleier.)
- Schleinitz, Hans v., Hanover, Germany. Device for landing or berthing airships. No. 1,119,646; Dec. 1; Gaz. vol. 209; p. 257.
- Schleinkofer, Joseph J., St. Louis, Mo. Cigar-tip cutter. No. 1,106,733; Aug. 11; Gaz. vol. 205; p. 445.
- Schlemma, Christopher F., Preston, Iowa. Lifting-jack. No. 1,114,918; Oct. 27; Gaz. vol. 207; p. 1014.
- Schlemmer, Henry, Effingham, Ill. Piano-violin. No. 1,085,167; Jan. 28; Gaz. vol. 198; p. 732.
- Schlemmer, Oliver, Cincinnati, Ohio. Valve. No. 1,106,002; Aug. 4; Gaz. vol. 205; p. 146.
- Schlesinger, David, Brooklyn, N. Y. Shirt. No. 1,117,525; Nov. 17; Gaz. vol. 208; p. 797.
- Schlesinger, Leo, New York, N. Y. Safety device for cutting-machines. No. 1,121,046; Dec. 15; Gaz. vol. 209; p. 831.
- Schlesinger, Louis A., San Diego, Cal. Trousers. No. 1,112,483; Oct. 6; Gaz. vol. 207; p. 24.
- Schlesinger-Thury, Marie, Berkeley, Cal. Flour-sifter. No. 1,103,328; July 14; Gaz. vol. 204; p. 432.
- Schley, Carl R., Philadelphia, Pa. Nurling-tool. No. 1,112,662; Oct. 6; Gaz. vol. 207; p. 90.
- Schlicher, August. (See Bechtold, John A., assignor.)
- Schlicht, Hans, Walnut, Iowa. Corn-planter. No. 1,089,590; Mar. 10; Gaz. vol. 200; p. 362.
- Schlicht, Hans, Walnut, Iowa. Wheel. No. 1,094,752; Apr. 28; Gaz. vol. 201; p. 1032.
- Schlicht, Hans, Walnut, Iowa. Clutch. No. 1,107,710; Aug. 18; Gaz. vol. 205; p. 837.
- Schlicht, Hans, Walnut, Iowa. Traction-engine. No. 1,113,493; Oct. 13; Gaz. vol. 207; p. 422.
- Schlicht, Hans, Walnut, Iowa. Plow. No. 1,113,494; Oct. 13; Gaz. vol. 207; p. 422.
- Schlichtinger, Joseph, Atlanta, Ga. Self-feeder and drinking-fountain for poultry. No. 1,091,392; Mar. 24; Gaz. vol. 200; p. 1051.
- Schlick, Otto. (See Greiner, Friedrich, assignor.)
- Schlick, Otto, Berlin, Germany. Pyrophorous lighter. No. 1,091,967; Mar. 31; Gaz. vol. 200; p. 1294.
- Schlick, Paul H. (See Lommatzsch, Ernst, assignor.)
- Schlicker, Herman C. (See Forsberg and Schlicker.)
- Schliemann, William, Washington, D. C., assignor to L. K. Doelling, New Rochelle, N. Y. Ammonia force-feed refrigerating system. No. 1,106,244; Aug. 4; Gaz. vol. 205; p. 227.
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- Schlitte, Paul, Leipzig, Germany. Driving of spindles. No. 1,092,666; Apr. 7; Gaz. vol. 201; p. 187.
- Schloemilch, Wilhelm, and O. von Bronk, Berlin, Germany. Means for receiving electrical oscillations. No. 1,037,892; Feb. 17; Gaz. vol. 199; p. 899.
- Schloesing, Alphonse T., Paris, France, assignor to Norsk Hydro-Elektrisk Kvelestofaktieselskab, Christiania, Norway. Process and apparatus for absorbing nitrous vapors in the dry and with heat by the aid of a base such as lime. No. 1,092,295; Apr. 7; Gaz. vol. 201; p. 60.
- Schlosberg, Ephraim, Baltimore, Md. Pattern for adjusting coat shapes. No. 1,097,822; May 26; Gaz. vol. 202; p. 1034.
- Schloss, Albert W., Grosse Pointe Shores, Mich. Sleeve. No. 1,096,270; May 12; Gaz. vol. 202; p. 411.
- Schloss, Benjamin, San Francisco, Cal. Preserving-jar. No. 1,095,470; May 5; Gaz. vol. 202; p. 102.
- Schloss, Henry. (See MacIntosh, William J., assignor.)
- Schloss, Joseph W., New York, N. Y. Featherbone-making apparatus. No. 1,114,536; Oct. 20; Gaz. vol. 207; p. 828.
- Schloss, Meyer W. (See Beck, August B., assignor.)
- Schloss Mfg. Co., M. W. (See Guggenheim, Edgar, assignor.)
- Schlösser, Gustav, Dusseldorf-Holthausen, and A. Lorenz, Essen-on-the-Ruhr, assignors to Baumaterialien-Aufzug Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany. Elevator for building materials. No. 1,083,508; Jan. 6; Gaz. vol. 198; p. 82.
- Schlosser, Jacob, Louisville, Ky. Door-hanger. No. 1,116,331; Nov. 3; Gaz. vol. 208; p. 294.
- Schlueter, Henry H., assignor of one-half to J. F. Schlueter, Canistota, S. D. Post-card frame. No. 1,096,320; May 12; Gaz. vol. 202; p. 428.
- Schlueter, Henry R. (See Cameron, Hendricks, and Schlueter.)
- Schlueter, John F. (See Schlueter, Henry H., assignor.)
- Schlueter, Peter H., Chicago, Ill. Candy-making machine. No. 1,091,022; Mar. 24; Gaz. vol. 200; p. 928.
- Schlueter, Peter H., Chicago, Ill. Cooking vessel. No. 1,093,654; Apr. 21; Gaz. vol. 201; p. 597.
- Schlueter, Peter H., Chicago, Ill. Making candy. No. 1,101,572; June 30; Gaz. vol. 203; p. 1287.
- Schmachtenberger, Ottomar, Decatur, Ill. Ice card or signal. No. 1,083,706; Jan. 6; Gaz. vol. 198; p. 148.
- Schmandt, Jacob E., Harrington, Wash. Striping-tool. No. 1,083,862; Jan. 6; Gaz. vol. 198; p. 196.
- Schmarje, Konrad, Frankfurt, Germany, assignor to Thomson Electric Welding Company, Lynn, Mass. Roller-contact for electric welding-machines. No. 1,097,883; May 26; Gaz. vol. 202; p. 1056.
- Schmedinghoff, Francis A., Kansas City, Mo. Trolley attachment. No. 1,089,968; Mar. 10; Gaz. vol. 200; p. 492.
- Schmehl, Frederick G., East Orange, N. J. Display-stand. No. 1,103,086; July 14; Gaz. vol. 204; p. 347.
- Schmelz, Louis. (See Shean and Schmelz.)
- Schmelzle, Gustav, Brooklyn, N. Y. Baker's radiator. No. 1,089,678; Mar. 10; Gaz. vol. 200; p. 393.
- Schmid, Albert, Havre, France. Internal-combustion engine. No. 1,121,135; Dec. 15; Gaz. vol. 209; p. 864.
- Schmid, Daniel, assignor to Progressive Manufacturing Co., Milwaukee, Wis. Bottle-washing machine. No. 1,095,290; May 5; Gaz. vol. 202; p. 40.
- Schmid, Francis C., Washington, D. C. Measuring instrument. No. 1,089,969; Mar. 10; Gaz. vol. 200; p. 492.
- Schmid, Henri, Mülhausen, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing brown shades on fiber. No. 1,092,542; Apr. 7; Gaz. vol. 201; p. 144.
- Schmid, John, Jr., Kansas City, Mo. Air-brake pump. No. 1,100,328; June 16; Gaz. vol. 203; p. 753.
- Schmid, Peter, Basel, Switzerland. Producing weighted pile yarn for colored velvets. No. 1,102,088; June 30; Gaz. vol. 203; p. 1468.
- Schmid, R. J. (See Tyler, Lydia A., assignor.)
- Schmid, William. (See Shakespeare and Schmid.)
- Schmidgall, Frederick, Cincinnati, Ohio. Door-fastener. No. 1,091,592; Mar. 31; Gaz. vol. 200; p. 1163.
- Schmidgall, Frederick, Cincinnati, Ohio. Lock-keeper. No. 1,119,321; Dec. 1; Gaz. vol. 209; p. 144.
- Schmidmer, Georg E. (See Rafn and Schmidmer.)
- Schmidt, Albrecht, and A. Steindorff, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Preparing finely-divided or colloid indigo dyestuffs. No. 1,085,361; Jan. 27; Gaz. vol. 198; p. 801.
- Schmidt, Albrecht, and A. Steindorff, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Preparing finely-divided or colloid indigo dyestuffs. No. 1,094,683; Apr. 28; Gaz. vol. 201; p. 1007.
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- Schmidt, Alfred G., Baltimore, Md. Waste-pipe plug. No. 1,107,363; Aug. 18; Gaz. vol. 205; p. 713.
- Schmidt, Augustus F., Pittsburgh, Pa. Valve mechanism for motors. No. 1,098,411; June 2; Gaz. vol. 203; p. 19.
- Schmidt, Augustus F., Pittsburgh, Pa. Valve mechanism for motors. No. 1,103,087; July 14; Gaz. vol. 204; p. 347.
- Schmidt, Carl E., Detroit, Mich. Hide and treating the same. No. 1,118,813; Nov. 24; Gaz. vol. 208; p. 1286.
- Schmidt, Charles, assignor, by mesne assignments, to The Peerless Motor Car Company, Cleveland, Ohio. Universal-joint casing. No. 1,097,368; May 19; Gaz. vol. 202; p. 832.
- Schmidt, Charles, and A. Hirschwitz, New Orleans, La. Umbrella. No. 1,097,191; May 19; Gaz. vol. 202; p. 769.
- Schmidt, Charles E., Chicago, Ill. Chord-making attachment for stringed instruments. No. 1,120,091; Dec. 8; Gaz. vol. 209; p. 445.
- Schmidt, Edward, El Paso, Tex. Combined ruler and blotter. No. 1,105,002; July 28; Gaz. vol. 204; p. 1100.
- Schmidt, Else, geb. Walter, Berlin-Tegel, Germany. Machine for cutting bread. No. 1,092,751; Apr. 7; Gaz. vol. 201; p. 216.
- Schmidt, Ernest C., Moore, Pa. Time-table rack. No. 1,117,255; Nov. 17; Gaz. vol. 208; p. 702.
- Schmidt, Ernest H., assignor to The National Malleable Castings Company, Cleveland, Ohio. Radial-draft gear. No. 1,090,656; Mar. 17; Gaz. vol. 200; p. 773.
- Schmidt, Ernest H., assignor to The National Malleable Castings Company, Cleveland, Ohio. Draft-rigging. No. 1,104,554; July 21; Gaz. vol. 204; p. 899.
- Schmidt, Ernest H., Cleveland, Ohio, assignor to The National Malleable Castings Company. Bracket for uncoupling-rods of car-couplings. No. 1,123,209; Dec. 29; Gaz. vol. 209; p. 1661.
- Schmidt, Ernst R., Marknewkirchen, Germany. Device for shipping violin and other strings. No. 1,106,413; Aug. 11; Gaz. vol. 205; p. 329.
- Schmidt, Frank M. (See Schmidt, Robert W. and F. M.)
- Schmidt, Frederick W., Conger, Minn. Portable washstand. No. 1,113,495; Oct. 13; Gaz. vol. 207; p. 423.
- Schmidt, Gustave F., Chicago, Ill. Gas-distributing system. No. 1,095,424; May 5; Gaz. vol. 202; p. 85.
- Schmidt, Gustave F., Chicago, Ill. Carbureting apparatus. No. 1,109,085; Sept. 1; Gaz. vol. 206; p. 81.
- Schmidt, Henry, Newark, N. J. Stationary water-heating device. No. 1,100,399; June 16; Gaz. vol. 203; p. 779.
- Schmidt, Henry, and F. Hubert, Elizabeth, N. J. Printing-stamp. No. 1,118,814; Nov. 24; Gaz. vol. 208; p. 1286.
- Schmidt, Henry F., Wilkinsburg, Pa., assignor to The Westinghouse Machine Company. Variable-speed turbine. No. 1,102,357; July 7; Gaz. vol. 204; p. 47.
- Schmidt, Henry H., Bessie, Okla. Bench-vise. No. 1,111,185; Sept. 22; Gaz. vol. 206; p. 948.
- Schmidt, Henry O., New Britain, Conn. Making glass panels for lamp-shades and similar articles. No. 1,123,016; Dec. 29; Gaz. vol. 209; p. 1591.
- Schmidt, Herman E., and M. W. Arens, Selby, S. D. Game-registering cabinet. No. 1,085,494; Jan. 27; Gaz. vol. 198; p. 843.
- Schmidt, Hermann, Suhl, Germany. Metallic connection for cycle-frames. No. 1,117,916; Nov. 17; Gaz. vol. 208; p. 933.
- Schmidt, John C., St. Louis, Mo. Gasolene soldering-iron and blow-torch. No. 1,121,136; Dec. 15; Gaz. vol. 209; p. 864.
- Schmidt, John J. (See Dudley and Schmidt.)
- Schmidt, Leo. (See Reed and Schmidt.)
- Schmidt, Louis A., assignor to R. Hoe and Co., New York, N. Y. Counting-delivery for printing and similar machines. No. 1,085,226; Jan. 27; Gaz. vol. 198; p. 753.
- Schmidt, Louis A., assignor, by mesne assignments, to R. Hoe and Co., New York, N. Y. Rotary folding mechanism. No. 1,116,495; Nov. 10; Gaz. vol. 208; p. 393.
- Schmidt, Louis A., assignor to R. Hoe and Co., New York, N. Y. Rotary folding mechanism. No. 1,118,060; Nov. 24; Gaz. vol. 208; p. 1024.
- Schmidt, Louis M. (See Hayden, Randolph, assignor.)
- Schmidt, Louis M. (See Propson, Harry E., assignor.)
- Schmidt, Max. (See Endlein, Wilhelm, assignor.)
- Schmidt, Oscar H., Washington, D. C. Cabinet for photograph-plates. No. 1,119,544; Dec. 1; Gaz. vol. 209; p. 223.
- Schmidt, Otto, Stuttgart, Germany. Heat-transmitting fluid for baking-ovens and the like. No. 1,120,246; Dec. 8; Gaz. vol. 209; p. 501.
- Schmidt, Otto, Stuttgart, assignor to Cannstatter Misch- und Knetmaschinen-Fabrik Cannstatter-Dampf Back-ofenfabrik Werner & Pfeiderer, Cannstatt, Germany. Chain conveyor. No. 1,104,708; July 21; Gaz. vol. 204; p. 949.

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- Schmidt, Paul, Paterson, N. J. Direction-indicator. No. 1,100,201; June 16; Gaz. vol. 203; p. 710.
- Schmidt, Peter, assignor to Durbin Automatic Train Pipe Connector Company, St. Louis, Mo. Locking mechanism for train-pipe couplings. No. 1,092,296; Apr. 7; Gaz. vol. 201; p. 61.
- Schmidt, Peter G., Olympia, Wash. Gas-producer. No. 1,086,229; Feb. 3; Gaz. vol. 199; p. 229.
- Schmidt, Peter G., Olympia, Wash. Gas-producer. No. 1,116,131; Nov. 3; Gaz. vol. 208; p. 228.
- Schmidt, Robert F., New Market, Ontario, Canada, assignor to Yawman and Erbe Manufacturing Company, Rochester, N. Y. Box-fastener. No. 1,101,886; June 30; Gaz. vol. 203; p. 1394.
- Schmidt, Robert W. and F. M., New York, N. Y. Hat-pin guard. No. 1,093,730; Apr. 21; Gaz. vol. 201; p. 625.
- Schmidt, Samuel, Farmersville, Ohio. Lid-opener. No. 1,112,097; Sept. 29; Gaz. vol. 206; p. 1297.
- Schmidt, Walter L., New York, N. Y. Finger-ring. No. 1,121,296; Dec. 15; Gaz. vol. 209; p. 918.
- Schmidt, Wilhelm, Wilhelmshöhe, near Cassel, Germany. Smoke-tube superheater. No. 1,106,734; Aug. 11; Gaz. vol. 205; p. 445.
- Schmidt, Wilhelm, Cassel-Wilhelmshöhe, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel, Germany. Engine-governor. No. 1,090,417; Mar. 17; Gaz. vol. 200; p. 690.
- Schmidt, Wilhelm, Cassel-Wilhelmshöhe, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel, Germany. Engine. No. 1,092,543; Apr. 7; Gaz. vol. 201; p. 144.
- Schmidt, Wilhelm, assignor to Schmidt'sche Heissdampf Gesellschaft m. b. H., Cassel-Wilhelmshöhe, Germany. Automatic engine-governor. No. 1,107,204; Aug. 11; Gaz. vol. 205; p. 609.
- Schmidt, Wilhelm, and P. Thomsen, assignors to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshöhe, Germany. Superheater for locomotive-boilers. No. 1,114,812; Oct. 27; Gaz. vol. 207; p. 976.
- Schmidt, Willy, Frankfort-on-the-Main, Germany. Dowel-casing for fixing in ceilings and walls. No. 1,086,861; Feb. 10; Gaz. vol. 199; p. 495.
- Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Schmidt, Wilhelm, assignor.)
- Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Schmidt and Thomsen, assignors.)
- Schmidt'sche Heissdampf Gesellschaft m. b. H. (See Thomsen, Peter, assignor.)
- Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung. (See Thomsen and Doettloff, assignors.)
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- Schmitt, Fred. (See Schiesl, William W., assignor.)
- Schmitt, Frederick, Oakland, Cal. Boiler-flue-fastening means. No. 1,089,970; Mar. 10; Gaz. vol. 200; p. 492.
- Schmitt, Henry and H. J., Chicago, Ill. Advertising device. No. 1,092,175; Apr. 7; Gaz. vol. 201; p. 17.
- Schmitt, Henry F., assignor of one-half to W. C. Lieser, St. Louis, Mo. Combination-tool. No. 1,122,426; Dec. 29; Gaz. vol. 209; p. 1383.
- Schmitt, Henry J. (See Schmitt, Henry and H. J.)
- Schmitt, Henry J., Pittsburgh, Pa. Asprating apparatus. No. 1,121,297; Dec. 15; Gaz. vol. 209; p. 918.
- Schmitt, Herman H., Creswell, Oreg. Transmission mechanism. No. 1,112,843; Oct. 6; Gaz. vol. 207; p. 151.
- Schmitt, Peter A., Hamburg, Germany. Manufacture of food-fats, more particularly for the preparation of pastries and the like. No. 1,102,551; July 7; Gaz. vol. 204; p. 115.
- Schmitt, Rudolf, assignor to Maschinenfabrik Schnarr & Schmitt, Frankfort-on-the-Main, Germany. Device for feeding the tobacco in cigar-bunching machines. No. 1,102,692; July 7; Gaz. vol. 204; p. 164.
- Schmitt, William C. (See Fussell, George, assignor.)
- Schmittinger, John, assignor to H. W. Hanna, Philadelphia, Pa. Diaphragm for the sound-boxes of talking-machines. No. 1,104,833; July 28; Gaz. vol. 204; p. 1043.
- Schmitz, Frank C., Flatbush, N. Y. Shipping-barrel. No. 1,107,364; Aug. 18; Gaz. vol. 205; p. 713.
- Schmitz, George C., Racine, Wis., assignor, by mesne assignments, to Richmond Radiator Company, New York, N. Y. Suction-cleaner. No. 1,108,248; Aug. 25; Gaz. vol. 205; p. 1072.
- Schmitz, George C., Racine, Wis., assignor, by mesne assignments, to Richmond Radiator Company, New York, N. Y. Suction cleaning device. No. 1,116,850; Nov. 10; Gaz. vol. 208; p. 522.
- Schmitz, Herman, Lafayette, Ind. Horse-overshoe. No. 1,116,132; Nov. 3; Gaz. vol. 208; p. 228.
- Schmitz, Joseph, Philadelphia, Pa., assignor, by mesne assignments, to Uniform Dyeing Machine Company. Dyeing apparatus. No. 1,105,845; Aug. 4; Gaz. vol. 205; p. 91.
- Schmitz, Michael W., assignor of two-fifths to H. J. Kaim, St. Paul, Minn. Flushing-valve. No. 1,115,584; Nov. 3; Gaz. vol. 208; p. 39.
- Schmitz, Paul, Cologne-Niehl, assignor to W. Jungbecker, Aachen, Germany. Use of rawhide. No. 1,108,402; Aug. 25; Gaz. vol. 205; p. 1125.
- Schmitz, Thomas M., Cranbrook, British Columbia, Canada. Car-stakes. No. 1,085,495; Jan. 27; Gaz. vol. 198; p. 843.
- Schmitz, Thomas M., Cranbrook, British Columbia, Canada. Car-stake. No. 1,085,583; Jan. 27; Gaz. vol. 198; p. 873.
- Schmolck, Firm of Friedrich. (See Richter, Carl A., assignor.)
- Schmolle, William L. (See Antill and Schmolle.)
- Schmuck, Joseph, Steglitz, near Berlin, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Package for light-sensitive films. No. 1,098,844; June 2; Gaz. vol. 203; p. 165.
- Schmueser, Joseph M. (See Hansen and Schmueser.)
- Schmunk, George H., Cranberry township, Butler county, assignor to Pittsburgh Stogie and Cigar Company, Pittsburgh, Pa. Packing stogies. No. 1,097,142; May 19; Gaz. vol. 202; p. 753.
- Schmunk, George H., Cranberry township, Butler county, assignor to Pittsburgh Stogie & Cigar Company, Pittsburgh, Pa. Container for stogies. No. 1,112,323; Sept. 29; Gaz. vol. 206; p. 1377.
- Schmunk, William F., Philadelphia, Pa. Door-holder. No. 1,091,896; Mar. 31; Gaz. vol. 200; p. 1270.
- Schmutz, Julius, Shively, Ky. Vise. No. 1,084,489; Jan. 13; Gaz. vol. 198; p. 435.
- Schnabel, Charles F. (See Schnabel, James W., assignor.)
- Schnabel, James W., assignor of one-half to C. F. Schnabel, Johnstown, Pa. Supporting-frame. No. 1,097,192; May 19; Gaz. vol. 202; p. 769.
- Schnackel, Frank, Rochester, N. Y. Antiskid device for tires. No. 1,106,896; Aug. 11; Gaz. vol. 205; p. 502.
- Schnaier, Milton, New York, N. Y. Curtain-hook. No. 1,090,571; Mar. 17; Gaz. vol. 200; p. 744.
- Schnee, Robert G., and F. W. Riley, assignors to The Republic Mausoleum Company, Cleveland, Ohio. Preserving remains. No. 1,120,336; Dec. 8; Gaz. vol. 209; p. 533.
- Schnee, Frederick H., New Rochelle, N. Y. Boy's blouse. No. 1,112,387; Sept. 29; Gaz. vol. 206; p. 1399.
- Schneible, Joseph, Chicago, Ill. Pulp-washing machine. No. 1,111,408; Sept. 22; Gaz. vol. 206; p. 1023.
- Schneible, Joseph, Chicago, Ill. Rotary pump. No. 1,116,851; Nov. 10; Gaz. vol. 208; p. 523.
- Schneider, Aaron, Philadelphia, Pa. Braid-guide for sewing-machines. No. 1,109,254; Sept. 1; Gaz. vol. 206; p. 141.
- Schneider, Adolph, assignor to Banning & Banning, Chicago, Ill. Counter-pressure regulator. No. 1,086,862; Feb. 10; Gaz. vol. 199; p. 495.
- Schneider, Adolph, assignor to Banning & Banning, Chicago, Ill. Base for bottle-filling machines. No. 1,104,555; July 21; Gaz. vol. 204; p. 899.
- Schneider, Adolph F., Elizabeth, N. J. Lamp and attachment therefor. No. 1,101,472; June 23; Gaz. vol. 203; p. 1200.
- Schneider, Albert E., New York, N. Y. Illuminating-sign. No. 1,122,164; Dec. 22; Gaz. vol. 209; p. 1255.
- Schneider, Alexander M., New York, N. Y. Skirt. No. 1,104,319; July 21; Gaz. vol. 204; p. 814.
- Schneider, Alfred, Birmingham, Ala. Metal pipe and hose connection. No. 1,110,011; Sept. 8; Gaz. vol. 206; p. 449.
- Schneider, Benjiman P., assignor of one-half to J. B. Fitzgerald, Norfolk, Nebr. Electric message-carrier. No. 1,115,339; Oct. 27; Gaz. vol. 207; p. 1160.
- Schneider & Cie. (See Bourdelles, Emile, assignor.)
- Schneider, Clara G. (See Schneider, Max and C. G.)
- Schneider, Eberhard, New York, N. Y. Supporting structure for projecting apparatus. No. 1,104,834; July 28; Gaz. vol. 204; p. 1043.
- Schneider, Emanuel W. (See Fees and Schneider.)
- Schneider, Eugène, Le Creuzot, France. Gun-carriage. No. 1,084,490; Jan. 13; Gaz. vol. 198; p. 435.
- Schneider, Eugène, Le Creuzot, France. Gun-carriage. No. 1,085,168; Jan. 27; Gaz. vol. 198; p. 733.
- Schneider, Eugène, Le Creuzot, France. Gun-carriage. No. 1,085,169; Jan. 27; Gaz. vol. 198; p. 733.
- Schneider, Eugène, Le Creuzot, France. Breech mechanism of guns. No. 1,094,753; Apr. 28; Gaz. vol. 201; p. 1032.
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- Schneider, Fred W., Clay Center, Ohio. Inclosed cartridge-fuse. No. 1,122,427; Dec. 29; Gaz. vol. 209; p. 1383.
- Schneider, Frederick J., and F. W. Bauer, assignors of one-third to T. H. Barlow, Dayton, Ohio. Automatic stop for railway-trains. No. 1,086,087; Feb. 3; Gaz. vol. 199; p. 183.
- Schneider, Georg. (See Kuxmann and Schneider.)
- Schneider, George J., assignor to Acme Electric Heater Company, Detroit, Mich. Electrically-heated instrument. No. 1,103,690; July 14; Gaz. vol. 204; p. 560.
- Schneider, George J., assignor to Acme Electric Heater Company, Detroit, Mich. Attachment-conductor for electrical instruments. No. 1,118,953; Dec. 1; Gaz. vol. 209; p. 17.
- Schneider, Herman J. (See Burnham and Schneider.)
- Schneider, Jaquet & Cie., G. m. b. H. (See Jaquet, Charles, assignor.)
- Schneider, John A., Philadelphia, Pa. Locking mechanism for valves. No. 1,108,477; Aug. 25; Gaz. vol. 205; p. 1151.
- Schneider, John E., Cortez, Colo. Irrigating-conduit. No. 1,112,724; Oct. 6; Gaz. vol. 207; p. 111.
- Schneider, John G., assignor of one-third to C. A. Hawkins, York, Pa. Nut-lock. No. 1,103,847; July 14; Gaz. vol. 204; p. 611.
- Schneider, John H., Brooklyn, N. Y. Water-wheel. No. 1,105,846; Aug. 4; Gaz. vol. 205; p. 91.
- Schneider, John L., Charles City, Iowa. Loading-machine. No. 1,090,418; Mar. 17; Gaz. vol. 200; p. 690.
- Schneider, John M. (See Trivers and Schneider.)
- Schneider, John P., Chicago, Ill. Eye-shade. No. 1,110,350; Sept. 15; Gaz. vol. 206; p. 611.
- Schneider, Max and C. G., Denver, Colo. Spraying device. No. 1,092,865; Apr. 14; Gaz. vol. 201; p. 290.
- Schneider, Philip H., Akron, Ohio. Ball. No. 1,109,183; Sept. 1; Gaz. vol. 206; p. 116.
- Schneider, Ralph F., New York, assignor to C. J. Tagliabue, Brooklyn, N. Y. Measuring instrument. No. 1,096,958; May 19; Gaz. vol. 202; p. 688.
- Schneider, Rudolph, Jr., Monroe, Wis. Sliding-door hanger. No. 1,099,399; June 9; Gaz. vol. 203; p. 397.
- Schneider, Walter C., Detroit, Mich. Internal-combustion engine. No. 1,113,374; Oct. 13; Gaz. vol. 207; p. 379.
- Schneider, William. (See Stungo, Josef, assignor.)
- Schnelle, Ernest E., Rochester, N. Y. Deposit and collection receptacle. No. 1,089,591; Mar. 10; Gaz. vol. 200; p. 363.
- Schneller, Joseph W. (See Stiglich and Schneller.)
- Schnellsetzmaschinen-Gesellschaft mit beschränkter Haftung. (See Drewell, Heinrich, assignor.)
- Schnering, Otto Y., assignor to George P. Bent Company, Chicago, Ill. Treadle dust-catcher. No. 1,097,731; May 26; Gaz. vol. 202; p. 1002.
- Schniter, Karl, Frankfort-on-the-Main, assignor to Vereinigte Kunstseidefabriken A. G., Kelsterbach-on-the-Main, Germany. Preparation of nitrocellulose. No. 1,093,012; Apr. 14; Gaz. vol. 201; p. 339.
- Schnitter, John, Baltimore, Md. Rotary internal-combustion engine. No. 1,112,844; Oct. 6; Gaz. vol. 207; p. 151.
- Schnitzler, George, New York, N. Y. Envelop. No. 1,098,175; May 26; Gaz. vol. 202; p. 1158.
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- Schnitzler, Oscar, Remington, and B. J. Welage, Norwood, Ohio. Fire-escape. No. 1,106,588; Aug. 11; Gaz. vol. 205; p. 395.
- Schnose, Augustus E., Dell Rapids, S. D. Apparatus for stretching woven-wire fences, &c. No. 1,116,633; Nov. 10; Gaz. vol. 208; p. 445.
- Schnuck, Edward F., Greenburg, N. Y., assignor to Jabez Burns & Sons. Temperature-released latch for doors and the like. No. 1,085,705; Feb. 3; Gaz. vol. 199; p. 44.
- Schnur, William V., Glencoe, assignor to P. Becker & Company, Chicago, Ill. Wardrobe-trunk. No. 1,122,428; Dec. 29; Gaz. vol. 209; p. 1383.
- Schnürer, Hers E. M., Grunewald, near Berlin, Germany. Apparatus for type-writing at a distance. No. 1,085,496; Jan. 27; Gaz. vol. 198; p. 844.
- Schock, Clarence, Mount Joy, Pa. Food-chopper. No. 1,088,458; Feb. 24; Gaz. vol. 199; p. 1141.
- Schoedelin, Marie J. G., Paris, France. Power-transmission mechanism. No. 1,106,246; Aug. 4; Gaz. vol. 205; p. 228.
- Schoeder, John M. (See Tufty and Schoeder.)
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- Schoelch, Albert O., Shelbyville, Ind. Pneumatic spring-wheel. No. 1,096,959; May 19; Gaz. vol. 202; p. 688.
- Schoell, Reinhold, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. No. 1,116,929; Nov. 10; Gaz. vol. 208; p. 549.
- Schoeller, Albert E. (See Pedery, Joseph, assignor.)
- Schoeller, Alfred, Frankfort-on-the-Main, Germany. Emery grinding-machine for flat-surface grinding. No. 1,083,948; Jan. 13; Gaz. vol. 198; p. 256.
- Schoeller, Walter, and W. Schrauth, Berlin, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Preserving preparation. No. 1,087,144; Feb. 17; Gaz. vol. 199; p. 640.
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- Schoellkopf, Jacob F., Dallas, Tex. Girth connection for saddletrees. No. 1,087,557; Feb. 17; Gaz. vol. 199; p. 785.
- Schoellkopf, Jacob F., Dallas, Tex., assignor to North & Judd Manufacturing Company, New Britain, Conn. Toggle and clip combination. No. 1,106,414; Aug. 11; Gaz. vol. 205; p. 330.
- Schoen, Charles T., Media, Pa. Carburetor. No. 1,107,849; Aug. 18; Gaz. vol. 205; p. 885.
- Schoen, Christian, Newark, N. J. Embroidery-frame. No. 1,088,301; Feb. 24; Gaz. vol. 199; p. 1088.
- Schoen, Frederick W., Scranton, Pa. Egg-crate. No. 1,109,873; Sept. 8; Gaz. vol. 206; p. 400.
- Schoenberg, Fredrich E., St. Louis, Mo. Window-screen. No. 1,092,457; Apr. 7; Gaz. vol. 201; p. 116.
- Schoenberger, Michael F., Los Angeles, Cal. Supporting arrangement for cars. No. 1,093,977; Apr. 21; Gaz. vol. 201; p. 705.
- Schoenborn, Gustav C., Detroit, Mich. Lock for telescoping members. No. 1,094,169; Apr. 21; Gaz. vol. 201; p. 771.
- Schoendelen, August, Davenport, Iowa. Curtain-fixture. No. 1,104,142; July 21; Gaz. vol. 204; p. 754.
- Schoener, Herman, Freeport, Minn. Garden-plow. No. 1,101,149; June 23; Gaz. vol. 203; p. 1090.
- Schoener, Joseph, New York, N. Y. Corset-lock. No. 1,118,815; Nov. 24; Gaz. vol. 208; p. 1286.
- Schoenfeld, Charles, Canton, Ohio. Stream-motor. No. 1,092,403; Apr. 7; Gaz. vol. 201; p. 96.
- Schoenfeld, Charles, Canton, Ohio. Device for operating and locking prison-doors. No. 1,109,364; Sept. 1; Gaz. vol. 206; p. 181.
- Schoenfeld, Charles, Canton, Ohio. Lock. No. 1,121,047; Dec. 15; Gaz. vol. 209; p. 832.
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- Schoenfeld, Morris, Rorschach, Switzerland. Elevating device for use with embroidering-machines. No. 1,086,469; Feb. 10; Gaz. vol. 199; p. 356.
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- Schoengarth, Walter L., and E. Stenstrom, Ironwood, Mich. Reamer. No. 1,122,315; Dec. 29; Gaz. vol. 209; p. 1347.
- Schoenhardt, Ferdinand P., assignor to Edward Miller & Company, Meriden, Conn. Lighting-fixture. No. 1,090,795; Mar. 17; Gaz. vol. 200; p. 816.
- Schoenheit, Ernest, Ambridge, Pa. Sash-balance. No. 1,102,444; July 7; Gaz. vol. 204; p. 78.
- Schoening, Louis, Chicago, Ill. Pliers. No. 1,122,165; Dec. 22; Gaz. vol. 209; p. 1255.
- Schoenky, August R., Somerville, assignor to The Reece Shoe Machinery Company, Boston, Mass. Sewing-machine. No. 1,085,093; Jan. 20; Gaz. vol. 198; p. 670.
- Schoenky, Otto B., Sacramento, Cal. Drill-holder. No. 1,101,966; June 30; Gaz. vol. 203; p. 1424.
- Schoenky, Otto B., Sacramento, Cal. Drill-holder. No. 1,117,917; Nov. 17; Gaz. vol. 208; p. 933.
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- Schoenwolf, Fred, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Automatic telephone-exchange system. No. 1,110,460; Sept. 15; Gaz. vol. 206; p. 651.
- Schoepe, Joseph, New York, N. Y. Making a tooth-brush. No. 1,118,156; Nov. 24; Gaz. vol. 208; p. 1057.
- Schoepke, William, Hartland, Ill. Safety device for pulleys. No. 1,087,836; Feb. 17; Gaz. vol. 199; p. 881.
- Schoepke, William, Hartland, Ill. Safety device for pulleys. No. 1,089,971; Mar. 10; Gaz. vol. 200; p. 493.
- Schofer, Friedrich, Waiblingen, near Stuttgart, Germany. Making pipes for chimneys. No. 1,112,725; Oct. 6; Gaz. vol. 207; p. 111.
- Schofield-Burkett Construction Co. (See Burkett, Ira E., assignor.)
- Schofield, Eugene H., deceased, Atlanta, Ga.; R. H. Schofield, administrator. Cotton-picking nozzle or tube. No. 1,090,347; Mar. 17; Gaz. vol. 200; p. 664.
- Schofield, Eugene H., deceased, Atlanta, Ga.; R. H. Schofield, administrator. Cotton-picking nozzle or tube. No. 1,120,980; Dec. 15; Gaz. vol. 209; p. 807.
- Schofield, Harry, *et al.* (See Jeffreys, Robert D., assignor.)
- Schofield, R. C. (See Hazard, Samuel B., assignor.)
- Schofield, Ray H., administrator. (See Schofield, Eugene H.)
- Schofield, Robert, New Bedford, assignor to The Whitin Machine Works, Whitinsville, Mass. Sliver-pan for combing-machines. No. 1,102,298; July 7; Gaz. vol. 204; p. 27.
- Schofield, Robert C., Freeport, Ill. Frame construction. No. 1,083,377; Jan. 6; Gaz. vol. 198; p. 39.
- Schofield, William B. (See Socin, Francis C., assignor.)
- Schoffer, Isaiah. (See Krusi, John, assignor.)
- Scholes, Daniel R., assignor to The Aermotor Company, Chicago, Ill. Sideral sphere. No. 1,099,315; June 9; Gaz. vol. 203; p. 367.
- Scholes, Daniel R., assignor to Aermotor Company, Chicago, Ill. Lubricating mechanism. No. 1,101,211; June 23; Gaz. vol. 203; p. 1112.
- Scholes, George E., Birkenhead, England. Hinge for doors, gates, &c. No. 1,095,989; May 5; Gaz. vol. 202; p. 277.
- Scholey, Joseph M., assignor to Safety Window Platform Company, Kenosha, Wis. Window-platform. No. 1,089,871; Mar. 10; Gaz. vol. 200; p. 458.
- Scholfield, Socrates, Providence, R. I. Illustrative educational device. No. 1,087,186; Feb. 17; Gaz. vol. 199; p. 653.
- Scholl, George J., Brooklyn, assignor to Kelting Electric Company, New York, N. Y. Canopy insulation. No. 1,115,340; Oct. 27; Gaz. vol. 207; p. 1161.
- Scholl, George P., New York, N. Y., assignor to Westinghouse Lamp Company. Manufacture of filaments for tungsten-lamps. No. 1,086,088; Feb. 3; Gaz. vol. 199; p. 183.
- Scholl, Louis, Jr., Echo, Oreg. Artificial fish-bait. No. 1,102,989; June 30; Gaz. vol. 203; p. 1468.
- Scholl, Milo T., and R. A. Gillespie, Pittsburgh, Pa. Device for applying bottle-stoppers. No. 1,111,973; Sept. 29; Gaz. vol. 206; p. 1255.
- Scholle, Eduard, Neuss, assignor to Weeks & Co., Oberhausen, Rhineland, Germany. Scotch-block with roller. No. 1,108,627; Aug. 25; Gaz. vol. 205; p. 1203.
- Scholle, Eduard, Neuss-on-the-Rhine, assignor to Weeks & Co., proprietors Messers. Graf Keller & Jost, Oberhausen, Rhineland, Germany. Pinch-bar. No. 1,109,365; Sept. 1; Gaz. vol. 206; p. 182.
- Scholz, Walter T. (See Shumway and Scholz.)
- Schomburg, Ludwig, Gelsenkirchen, assignor to Mannesmannröhren-Werke, Dusseldorf, Germany. Pipe-joint packing. No. 1,102,961; July 7; Gaz. vol. 204; p. 256.
- Schöndeling, Wilhelm. (See Brunner and Schöndeling.)
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- Schönfeld, Ferdinand, Zurich, Switzerland. Device for opening tins. No. 1,102,962; July 7; Gaz. vol. 204; p. 256.
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- Schoof, Ernst A. C., New York, N. Y. Lockable cock for gas-meters. No. 1,111,618; Sept. 22; Gaz. vol. 206; p. 1095.
- Schoofield, Frederick E., Covington, and J. C. Owen, Bellevue, Ky. Automatic reciprocating electromagnetic motor. No. 1,120,414; Dec. 8; Gaz. vol. 209; p. 560.
- Schoonmaker, James M. (See Turner, Loren H., assignor.)
- Schoonmaker, William H., Montclair, N. J. Valve-gear for gas-engines. No. 1,108,249; Aug. 25; Gaz. vol. 205; p. 1072.
- Schoonmaker, William H., Montclair, N. J. Gas-engine-starting mechanism. No. 1,108,250; Aug. 25; Gaz. vol. 205; p. 1073.
- Schoonmaker, William H., Montclair, N. J. Internal-combustion engine. No. 1,121,137; Dec. 15; Gaz. vol. 209; p. 864.
- Schoonmaker, William H., Montclair, N. J. Stop mechanism. No. 1,121,138; Dec. 15; Gaz. vol. 209; p. 865.
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- Schoonmaker, William H., Montclair, N. J., assignor to S. E. Finley, Atlanta, Ga. Treating roads. No. 1,114,189; Oct. 20; Gaz. vol. 207; p. 705.
- Schoonmaker, William J., New York, N. Y. Combined trading-stamp-deposit and advertising book. No. 1,096,565; May 12; Gaz. vol. 202; p. 510.
- Schopbach, Charles H., assignor to International Corset Company, Aurora, Ill. Corset. (Reissue.) No. 13,698; Mar. 10; Gaz. vol. 200; p. 549.
- Schöpf, Anton, St. Johann-on-the-Saar, and H. Mosaner, Neunkirchen, near Trier, Germany. Constructing a transferring device for rod or wire rolling mills. No. 1,089,502; Mar. 10; Gaz. vol. 200; p. 332.
- Schoppet, Charles, Philadelphia, Pa. Internal-combustion engine. No. 1,101,042; June 23; Gaz. vol. 203; p. 1054.
- Schoreck, Albert R., Chicago, Ill. Collar. No. 1,099,269; June 9; Gaz. vol. 203; p. 351.
- Schorik, Frank, and F. F. Marshall, Chicago, Ill. Automatic liquid-measuring device. No. 1,102,806; July 7; Gaz. vol. 204; p. 204.
- Schorling, William H., Old Bridge, N. J. Receptacle-jacket. No. 1,114,537; Oct. 20; Gaz. vol. 207; p. 529.
- Schorn, Frederick M., Buffalo, N. Y. Pump. No. 1,096,463; May 12; Gaz. vol. 202; p. 475.
- Schorn, James D., Willow Creek, Mont. Combination salt and pepper shaker. No. 1,086,943; Feb. 10; Gaz. vol. 199; p. 521.
- Schorn, Oscar, Cleveland, Ohio. Roof bracket or jack. No. 1,111,707; Sept. 22; Gaz. vol. 206; p. 1123.
- Schorn, Oscar, assignor of one-half to J. P. Weigel, Cleveland, Ohio. Painter's tool. No. 1,110,351; Sept. 15; Gaz. vol. 206; p. 611.
- Schortman, William B., Portersville, Cal. Changeable-speed gearing. No. 1,083,863; Jan. 6; Gaz. vol. 198; p. 196.
- Schott, Adam, Oakland, Cal. Clothes-pounder. No. 1,098,978; June 2; Gaz. vol. 203; p. 210.
- Schott & Gen. (See Hatfield, Henry S., assignor.)
- Schott, George M., assignor to Cincinnati Galvanizing Company, Cincinnati, Ohio. Can. No. 1,116,496; Nov. 10; Gaz. vol. 208; p. 394.
- Schott, Louis, assignor to Cincinnati Galvanizing Company, Cincinnati, Ohio. Can with self-closing lid. No. 1,090,883; Mar. 24; Gaz. vol. 200; p. 879.
- Schott, William S., Durban, Natal, South Africa. Coin-operated time-controlled mechanism. No. 1,089,015; Mar. 3; Gaz. vol. 200; p. 117.
- Schotta, Charles H., Baltimore county, Md. Overshoe for horses. No. 1,094,101; Apr. 21; Gaz. vol. 201; p. 747.
- Schottelius, Bernhard, Berlin, Germany, assignor to General Electric Company. Electric locomotive. No. 1,118,371; Nov. 24; Gaz. vol. 208; p. 1133.
- Schou, Carl, Holte, Denmark. Photographic recording apparatus. No. 1,104,556; July 21; Gaz. vol. 204; p. 900.
- Schou, Paul, Copenhagen, Denmark. Means for removing moisture from air and gases. No. 1,086,089; Feb. 3; Gaz. vol. 199; p. 183.
- Schou, Paul, Copenhagen, Denmark. Vacuum air-pump. No. 1,117,708; Nov. 17; Gaz. vol. 208; p. 863.
- Schrader, Harry B., assignor of one-half to C. D. Krakel, Sterling, Colo. Beet-harvester. No. 1,115,250; Oct. 27; Gaz. vol. 207; p. 1132.
- Schrader, Henry E., New York, N. Y. Collapsible lunch-box. No. 1,111,619; Sept. 22; Gaz. vol. 206; p. 1095.
- Schrader, Henry J. (See Heninger, Schrader, and Norris.)
- Schrader, Thomas O., Allentown, assignor to The Dent Hardware Company, Fullerton, Pa. Locking door-pull. No. 1,114,296; Oct. 20; Gaz. vol. 207; p. 743.

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- Schrafft, Albert, assignor to Tabor Sash Fixture Co., Newark, N. J. Pivoted window. No. 1,102,202; June 30; Gaz. vol. 203; p. 1508.
- Schrage, Louis F., Palatin, Ill. Hat-fastener. No. 1,118,061; Nov. 24; Gaz. vol. 208; p. 1025.
- Schramm, Adolph W., Riverton, N. J., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Switchboard-mounting. No. 1,104,709; July 21; Gaz. vol. 204; p. 950.
- Schramm, Adolph W., Riverton, N. J., and P. Russell, Brooklyn, N. Y., assignors to Electro Dental Manufacturing Company, Philadelphia, Pa. Evacuator. No. 1,094,257; Apr. 21; Gaz. vol. 201; p. 799.
- Schramm, Andrew A., Cheltenham, Pa. Sign. No. 1,095,739; May 5; Gaz. vol. 202; p. 193.
- Schramm, Frank A. (See Ernst and Schramm.)
- Schramm, Reinholt, Elkton, S. D. Railway-tie and fastening. No. 1,085,996; Feb. 3; Gaz. vol. 199; p. 149.
- Schrauth, Walther. (See Schoeller and Schrauth.)
- Schreck, Adolph, Phoenix, Ariz. Animal-trap. No. 1,117,450; Nov. 17; Gaz. vol. 208; p. 770.
- Schreck, Edward, Columbus, Ohio. Tooth-brush. No. 1,110,406; Sept. 15; Gaz. vol. 206; p. 630.
- Schreiber, Edward A., Chicago, Ill. Vestibule-diaphragm for railway passenger-cars. No. 1,104,938; July 28; Gaz. vol. 204; p. 1079.
- Schreiber, Edward A., assignor to Chicago Car Heating Company, Chicago, Ill. Self-locking latch. No. 1,094,602; Apr. 28; Gaz. vol. 201; p. 976.
- Schreiber, Edwin C., Chicago Heights, Ill. Receptacle for carrying milk-bottles. No. 1,113,252; Oct. 13; Gaz. vol. 207; p. 335.
- Schreiber, Friedrich, Muhlhausen, Germany. Stamping-knife. No. 1,116,332; Nov. 3; Gaz. vol. 208; p. 294.
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- Schreiber, George W., *et al.* (See Grayson, George H., assignor.)
- Schreiber, Norbert, assignor of forty-nine one-hundredths to R. Rosenthal, Lincoln, Ill. Boiler-cleaner. No. 1,109,550; Sept. 1; Gaz. vol. 206; p. 242.
- Schreidt, Charles E., Mansfield, Ohio. Valve. No. 1,088,103; Feb. 24; Gaz. vol. 199; p. 1021.
- Schreidt, Frank, Mansfield, Ohio. Combined holder and feeding device for brushes. No. 1,118,687; Nov. 24; Gaz. vol. 208; p. 1244.
- Schreidt, Frank, Mansfield, Ohio. Fountain-brush. No. 1,118,688; Nov. 24; Gaz. vol. 208; p. 1244.
- Schreiner, Max J., Davenport, Iowa. Buttoning device. No. 1,098,532; June 2; Gaz. vol. 203; p. 62.
- Schreiner, Theodore, Brooklyn, N. Y. Collapsible drum. No. 1,113,253; Oct. 13; Gaz. vol. 207; p. 335.
- Schrenkeisen, Arthur, New York, N. Y. Safety-strap. No. 1,117,606; Nov. 17; Gaz. vol. 208; p. 824.
- Schrink, John A., Newark, N. J., assignor to John F. Schrink & Son, Emblem-ring. No. 1,091,539; Mar. 31; Gaz. vol. 200; p. 1146.
- Schröder, Fritz, Charlottenburg, assignor of one-half to G. A. Kubler, Berlin, Germany. Method of operating internal-combustion engines and preheating device therefor. No. 1,099,862; June 9; Gaz. vol. 203; p. 554.
- Schroder, Herman F., Berwyn, assignor to Paragon Metal Company, Chicago, Ill. Journal-bearing. No. 1,116,634; Nov. 10; Gaz. vol. 208; p. 445.
- Schröder, Hermann, New York, N. Y. Airship. No. 1,120,981; Dec. 15; Gaz. vol. 209; p. 807.
- Schroder, Walter L., Winneconne, Wis., assignor to The Phinney Engineering Company, Chillicothe, Ohio. Beansnipping machine. No. 1,116,930; Nov. 10; Gaz. vol. 208; p. 549.
- Schröder, Wilhelm G., Lübeck, Germany. Device for mixing emulsions. No. 1,097,474; May 19; Gaz. vol. 202; p. 868.
- Schroeder, Anthony J., Donaldsonville, La. Bellows attachment for chairs. No. 1,109,473; Sept. 1; Gaz. vol. 206; p. 217.
- Schroeder, Conrad, Milwaukee, Wis. Bottle-filling device. No. 1,113,582; Oct. 13; Gaz. vol. 207; p. 451.
- Schroeder, Ernest R., Paterson, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Lock-lid for journal-boxes. No. 1,097,946; May 26; Gaz. vol. 202; p. 1079.
- Schroeder, Frank J., Altoona, Pa. S-iron-bending machine. No. 1,091,540; Mar. 31; Gaz. vol. 200; p. 1146.
- Schroeder, Frederick A., Park Ridge, assignor of one-half to J. E. Sheridan, Chicago, Ill. Shoe-cleat. No. 1,093,358; Apr. 14; Gaz. vol. 201; p. 459.
- Schroeder, Frederick W., Newark, N. J. Clamping device for belts. No. 1,086,090; Feb. 3; Gaz. vol. 199; p. 183.
- Schroeder, Hans C., assignor to The Goss Printing Press Company, Chicago, Ill. Sheet-assembling mechanism for printing-presses. (Reissue.) No. 13,737; May 26; Gaz. vol. 202; p. 1227.
- Schroeder, Henry L., Chicago, Ill. Strap-holder. No. 1,107,451; Aug. 18; Gaz. vol. 205; p. 745.
- Schroeder, Herman, Sollitt, Ill. Connector for electric-current-carrying conductors. No. 1,085,497; Jan. 27; Gaz. vol. 198; p. 845.
- Schroeder, Herman D., Los Angeles, Cal. Valve. No. 1,112,564; Oct. 6; Gaz. vol. 207; p. 54.
- Schroeder, Herman D., Los Angeles, Cal. Exhibiting device. No. 1,120,982; Dec. 15; Gaz. vol. 209; p. 807.
- Schroeder, John H., Augusta, Ga. Airship. No. 1,120,852; Dec. 15; Gaz. vol. 209; p. 763.
- Schroeder, John H., and C. D. Baucom, Savannah, Ga. Electrical train-controlling system. No. 1,104,279; July 21; Gaz. vol. 204; p. 801.
- Schroeder, Josef, Tegel, Germany, assignor to General Electric Company. Flying-machine. No. 1,106,061; Aug. 4; Gaz. vol. 205; p. 166.
- Schroeder, Louis F. (See Schwartz, Stephen, assignor.)
- Schroeder, Nelson C. (See Wolfe, Fowler, Schroeder, and Mappett.)
- Schroeder, Peter W., Chicago, Ill., assignor of one-fourth to A. L. Reed, Anderson, Ind. Coin-controlled mechanism. No. 1,084,563; Jan. 13; Gaz. vol. 198; p. 462.
- Schroeder, William, Dewey, Okla. Clamp. No. 1,084,712; Jan. 20; Gaz. vol. 198; p. 543.
- Schroer, Bernhard, Hamburg, Germany. Wicket. No. 1,101,338; June 23; Gaz. vol. 203; p. 1154.
- Schroers, Carl H., assignor to Gesellschaft für Teerverwertung m. b. H., Duisburg-Meiderich, Germany. Carbon electrode having protective covering and producing same. No. 1,088,734; Mar. 3; Gaz. vol. 200; p. 22.
- Schröter, Fritz, Wilmersdorf, near Berlin, Germany. Ignition device for internal-combustion engines. No. 1,123,017; Dec. 29; Gaz. vol. 209; p. 1592.
- Schröter, Fritz, and F. L. Mädler, Wilmersdorf-Berlin, Germany. Magneto ignition device. No. 1,104,835; July 28; Gaz. vol. 204; p. 1043.
- Schroyer, Charles T., Chester, S. D. Steering-wheel. No. 1,088,796; Mar. 3; Gaz. vol. 200; p. 42.
- Schroyer, Charles T., Chester, S. D. Antirattler for doors. No. 1,116,744; Nov. 10; Gaz. vol. 208; p. 483.
- Schroyer, Harry H., Chicago, Ill., assignor to The Acme Supply Company. Weather-strip. No. 1,087,146; Feb. 17; Gaz. vol. 199; p. 640.
- Schroyer, Harry H., Chicago, Ill., assignor to The Acme Supply Company. Weather-strip. No. 1,094,481; Apr. 28; Gaz. vol. 201; p. 935.
- Schroyer, Harry H., Chicago, Ill., assignor to The Acme Supply Company. Adjusting and holding device for curtains. No. 1,097,676; May 26; Gaz. vol. 202; p. 982.
- Schroyer, Harry H., Chicago, Ill., assignor to The Acme Supply Company. Car-window construction. No. 1,097,677; May 26; Gaz. vol. 202; p. 982.
- Schroyer, Harry H., assignor to General Railway Supply Co., Chicago, Ill. Trap-door. No. 1,089,367; Mar. 3; Gaz. vol. 200; p. 235.
- Schroyer, Martin, Brownsville, assignor of one-third to W. D. McBryar and one-third to T. Grenfel, Elizabeth, Pa. Switch-lock. No. 1,085,171; Jan. 27; Gaz. vol. 198; p. 734.
- Schroyer, Martin, Brownsville, assignor of one-third to W. D. McBryar and one-third to T. Grenfel, Elizabeth, Pa. Switch-lock. No. 1,085,172; Jan. 27; Gaz. vol. 198; p. 734.
- Schubert, Bertie C., Continental, Ohio. Animal-blind. No. 1,123,018; Dec. 29; Gaz. vol. 209; p. 1592.
- Schubert, Charles W., Cottonwood, Iowa. Support for motor-cars. No. 1,099,471; June 9; Gaz. vol. 203; p. 421.
- Schubert, Frederick, Sellersville, Pa. Pressure and vacuum gage. No. 1,083,902; Jan. 6; Gaz. vol. 198; p. 208.
- Schubert, Frederick, Sellersville, Pa. Pressure-gage. No. 1,112,845; Oct. 6; Gaz. vol. 207; p. 152.
- Schubert, Frederick, Sellersville, Pa. Instrument-mounting. No. 1,116,498; Nov. 10; Gaz. vol. 208; p. 394.
- Schubert Gebrüder. (See Burian, Carl, assignor.)
- Schubert Gebrüder. (See Wolff, Hans, assignor.)
- Schubert Piano Company. (See Dickinson, Joseph W., assignor.)
- Schuberth, Hugo, Rombach, Germany. Mechanical cooling-bed for rolling-mill trains. No. 1,115,869; Nov. 3; Gaz. vol. 208; p. 137.
- Schuberth, Louis T., Chicago, Ill. Milk-bottle receptacle. No. 1,120,853; Dec. 15; Gaz. vol. 209; p. 763.
- Schuble, John W., Louisville, Ky. Sash-lock. No. 1,094,258; Apr. 21; Gaz. vol. 201; p. 800.
- Schuch, Emil, Munich, Germany. Cushioning device. No. 1,084,491; Jan. 13; Gaz. vol. 198; p. 435.
- Schuch, Emil, Munich, Germany. Recorder. No. 1,103,691; July 14; Gaz. vol. 204; p. 561.
- Schuchard, Ernst, Berlin-Friedenau, Germany. Jigging-machine. No. 1,118,239; Nov. 24; Gaz. vol. 208; p. 1085.
- Schuchard, Karl, Beuthen, O. S., Germany. Jigging-machine. No. 1,098,979; June 2; Gaz. vol. 203; p. 211.
- Schuchert, Albert E. (See Jeffery and Schuchert.)
- Schuck, Herman A., Parkersburg, Iowa. Tank-heater. No. 1,119,195; Dec. 1; Gaz. vol. 209; p. 103.
- Schuele, Karl C., Lakewood, and W. Borneman, Cleveland, Ohio. Stair-covering-fastening means. No. 1,100,102; June 16; Gaz. vol. 203; p. 675.
- Schuermann, Anton C. (See Mueller and Schuermann.)

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- Schuermann, Anton C., assignor to H. Mueller Mfg. Co., Decatur, Ill. Sanitary drinking-fountain. No. 1,098,980; June 2; Gaz. vol. 203; p. 211.
- Schuermann, Anton C., assignor to H. Mueller Mfg. Co., Decatur, Ill. Cock or faucet. No. 1,107,452; Aug. 18; Gaz. vol. 205; p. 746.
- Schuermann, Anton C., assignor to H. Mueller Mfg. Co., Decatur, Ill. Self-closing cock or faucet. No. 1,107,453; Aug. 18; Gaz. vol. 205; p. 746.
- Schuh, John M., Cincinnati, Ohio. Harness attachment. No. 1,120,854; Dec. 15; Gaz. vol. 209; p. 764.
- Schulde, John, and N. J. Windberg, St. Louis, Mo. Refrigerator. No. 1,091,393; Mar. 24; Gaz. vol. 200; p. 1052.
- Schulder, Fred, assignor to J. H. Glauber, Cleveland, Ohio. Compression faucet or cock. No. 1,107,205; Aug. 11; Gaz. vol. 205; p. 609.
- Schulenburg, Fred, River Forest, Ill. Trap for catch-basins. No. 1,109,944; Sept. 8; Gaz. vol. 206; p. 426.
- Schuler, Charles A., and P. W. Staerkle, New York, N. Y. Automatic train-stop. No. 1,114,388; Oct. 20; Gaz. vol. 207; p. 774.
- Schuler, David, Niagara Falls, Ontario, Canada, assignor, by mesne assignments, to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,106,477; Aug. 11; Gaz. vol. 205; p. 354.
- Schuler, David, assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,108,251; Aug. 25; Gaz. vol. 205; p. 1073.
- Schuler, David, Kerttown, assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,108,252; Aug. 25; Gaz. vol. 205; p. 1074.
- Schuler, Frank. (See Stanfield, Jasper H., assignor.)
- Schuler, George, Woodside, N. Y. Snow gathering and melting machine. No. 1,106,735; Aug. 11; Gaz. vol. 205; p. 446.
- Schuler, George, Woodside, N. Y. Conveyer. No. 1,106,736; Aug. 11; Gaz. vol. 205; p. 446.
- Schuler, Johann, Dusseldorf, Germany. Rail-joint. No. 1,097,109; May 19; Gaz. vol. 202; p. 741.
- Schuler, Joseph, Kansas City, Mo., and H. A. Overbeck, Dallas, Tex. Game apparatus. No. 1,098,462; June 2; Gaz. vol. 203; p. 37.
- Schüler, Leo, Berlin-Lichterfelde-West, Germany. Operating electromagnetic striking-tools by means of alternating current. No. 1,115,251; Oct. 27; Gaz. vol. 207; p. 1133.
- Schuler, Ludwig H. (See Mueller and Schuler.)
- Schulhoff, Saul, Philadelphia, Pa. Protective rubber cap with stopple for milk-bottles. No. 1,093,211; Apr. 14; Gaz. vol. 201; p. 408.
- Schuller, Aladar. (See Ruth and Schuller.)
- Schulte, Anton. (See Oestreich, Norman, assignor.)
- Schulte, August J., Tacoma, Wash. Column-clamp. No. 1,119,783; Dec. 1; Gaz. vol. 209; p. 302.
- Schulte, Henry H., *et al.* (See Dutchman, John, assignor.)
- Schulte, Herman, *et al.* (See Dutchman, John, assignor.)
- Schulte, Theodore B., Cleveland, Ohio. Davenport-bed. No. 1,093,565; Apr. 14; Gaz. vol. 201; p. 522.
- Schulte, Theodore B., Cleveland, Ohio. Davenport-bed. No. 1,093,949; Apr. 21; Gaz. vol. 201; p. 696.
- Schultheis, Ludwig, Frankfurt-on-the-Main, Germany. Lubricator for elevator guide-rails. No. 1,105,929; Aug. 4; Gaz. vol. 205; p. 120.
- Schultis, Charles F., assignor to C. Girl, Cleveland, Ohio. Threading device. No. 1,108,798; Aug. 25; Gaz. vol. 205; p. 1260.
- Schultz, August, Los Angeles, Cal. Washing-machine. No. 1,111,238; Sept. 22; Gaz. vol. 203; p. 965.
- Schultz, Charles E. (See Savage and Schultz.)
- Schultz, Charles E. (See Savage and Schultz.) (Reissue.)
- Schultz, Herman, Parkersburg, Iowa. Wire support for seed-corn. No. 1,087,263; Feb. 17; Gaz. vol. 199; p. 683.
- Schultz, John, Buffalo, N. Y. Mixing-valve. No. 1,103,439; July 14; Gaz. vol. 204; p. 468.
- Schultz, Joseph R., St. Louis, Mo. Bottle-cap remover. No. 1,110,720; Sept. 15; Gaz. vol. 206; p. 742.
- Schultz, Walter L., Chicago, Ill. Reinforced-concrete floor construction. No. 1,087,987; Feb. 24; Gaz. vol. 199; p. 980.
- Schultz, William, Chicago, Ill. Drilling device. No. 1,112,565; Oct. 6; Gaz. vol. 207; p. 55.
- Schultze, Giulio, Turin, Italy. Apparatus for jointing the ends of cinematograph-films. No. 1,121,765; Dec. 22; Gaz. vol. 209; p. 1117.
- Schultze, Gustav F. W., Oakland, Cal. Coin-controlled mechanism. No. 1,090,945; Mar. 24; Gaz. vol. 200; p. 900.
- Schultze, Kurt, Pankow, Berlin, Germany. Propeller for air-craft. No. 1,089,872; Mar. 10; Gaz. vol. 200; p. 458.
- Schulz, Carl F., New York, N. Y. Carburetor. No. 1,087,187; Feb. 17; Gaz. vol. 199; p. 653.
- Schulz, Carl W., Spandau, near Berlin, Germany. Draft-regulating device for fire-tube boilers. No. 1,120,550; Dec. 8; Gaz. vol. 209; p. 609.
- Schulz, Fritz, Weetzen, Germany. Evaporator. No. 1,091,897; Mar. 31; Gaz. vol. 200; p. 1270.
- Schulz, Fritz A., deceased, Chicago, Ill.; I. Schulz, administratrix. Bench-vise. No. 1,096,395; May 12; Gaz. vol. 202; p. 451.
- Schulz, Herman W. (See Bennett, George, assignor.)
- Schulz, Ida, administratrix. (See Schulz, Fritz A.)
- Schulz, Josef, Budapest, Austria-Hungary. Boat and oar therefor. No. 1,107,117; Aug. 11; Gaz. vol. 205; p. 575.
- Schulz, Otto C., assignor to Bauer & Black, Chicago, Ill. Adhesive-bandage spool. No. 1,086,472; Feb. 10; Gaz. vol. 199; p. 357.
- Schulz, Otto C., assignor to Bauer & Black, Chicago, Ill. Adhesive-plaster container. No. 1,086,473; Feb. 10; Gaz. vol. 199; p. 358.
- Schulz, Otto C., assignor to Bauer & Black, Chicago, Ill. Machine for making surgical bandages. No. 1,109,184; Sept. 1; Gaz. vol. 206; p. 116.
- Schulz, Otto C., assignor to Bauer & Black, Chicago, Ill. Making surgical bandages. No. 1,109,185; Sept. 1; Gaz. vol. 206; p. 117.
- Schulz, Paul A. H. A., Columbia, S. C. Aseptic package for surgical dressings. No. 1,092,176; Apr. 7; Gaz. vol. 201; p. 18.
- Schulz, Rudolph W., Waterloo, Iowa. Railway-tie. No. 1,086,091; Feb. 3; Gaz. vol. 199; p. 184.
- Schulze, Ernest J., Spokane, Wash. Attachment for baby-carriages and go-carts. No. 1,105,379; July 28; Gaz. vol. 204; p. 1236.
- Schulze, Frank C., *et al.* (See Harvey, Daniel, assignor.)
- Schulze, John H., St. Louis, Mo. Explosive-engine. No. 1,092,866; Apr. 14; Gaz. vol. 201; p. 290.
- Schulze, Rinholt, Humboldt, Iowa. Wheelbarrow. No. 1,095,036; Apr. 28; Gaz. vol. 201; p. 1129.
- Schum, William, New York, N. Y. Locking-nut. No. 1,086,788; Feb. 10; Gaz. vol. 199; p. 468.
- Schumacher, Henry, Buffalo, N. Y. Steering-gear for vehicles. No. 1,106,589; Aug. 11; Gaz. vol. 205; p. 395.
- Schumacher, Henry, Buffalo, N. Y. Steering-gear for vehicles. No. 1,117,451; Nov. 17; Gaz. vol. 208; p. 771.
- Schumacher, John C., assignor to The Dayton Manufacturing Company, Dayton, Ohio. Water-closet. No. 1,085,173; Jan. 27; Gaz. vol. 198; p. 734.
- Schumacher, Wilhelm, Osnabrück, Germany, assignor to General Briquetting Co., New York, N. Y. Forming agglomerated bodies from ores. No. 1,121,048; Dec. 15; Gaz. vol. 209; p. 832.
- Schuman Company, The. (See Schuman, James B., assignor.)
- Schuman, James B., assignor to The Schuman Company, Indianapolis, Ind. Feeder for corn huskers and shredders. No. 1,104,738; July 21; Gaz. vol. 204; p. 960.
- Schumann, Ernst, Charlottenburg, assignor to Siemens & Halske, A. G., Berlin, Germany. Fire-alarm system. No. 1,105,044; July 28; Gaz. vol. 204; p. 1115.
- Schumann, Harry F., Los Gatos, Cal. Cuspidor. No. 1,113,057; Oct. 6; Gaz. vol. 207; p. 223.
- Schumann, Jakob, Vienna, Austria-Hungary. Door-mat. No. 1,089,972; Mar. 10; Gaz. vol. 200; p. 493.
- Schummer, John, Centralia, Wash. Window-screen. No. 1,087,610; Feb. 17; Gaz. vol. 199; p. 803.
- Schupbach, Walter. (See Busch and Schupbach.)
- Schurig, Emil A., Grossröhrsdorf, Germany, Heddle. No. 1,109,306; Sept. 1; Gaz. vol. 206; p. 159.
- Schurman, Elias W., Everett, assignor to The Randall-Faichney Company, Boston, Mass. Whistle or horn. No. 1,085,095; Jan. 20; Gaz. vol. 198; p. 671.
- Schürmann, Eduard, Koetzschenbroda, near Dresden, Germany. Cupola-furnace. No. 1,112,846; Oct. 6; Gaz. vol. 207; p. 152.
- Schürmann, Richard, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Sighting device. No. 1,089,973; Mar. 10; Gaz. vol. 200; p. 493.
- Schürmann, Walter, Dusseldorf, Germany. Counter. No. 1,091,771; Mar. 31; Gaz. vol. 200; p. 1226.
- Schurr, Erle, Wamego, Kans. Neck shield and pad. No. 1,113,840; Oct. 13; Gaz. vol. 207; p. 542.
- Schürzmann, Rudolf, assignor to Taxameter Aktiengesellschaft, Berlin, Germany. Registering apparatus for taximeters and the like. No. 1,120,749; Dec. 15; Gaz. vol. 209; p. 727.
- Schusheim, Isidore, Brooklyn, N. Y. Ankle-supporting device. No. 1,116,133; Nov. 3; Gaz. vol. 208; p. 228.
- Schuster, Carl, Bellevue, assignor of one-half to C. N. Bergmann, Pittsburgh, Pa. Knife-switch. No. 1,086,622; Feb. 10; Gaz. vol. 199; p. 410.
- Schuster, Carl, Bellevue, assignor of one-half to C. N. Bergmann, Pittsburgh, Pa. Conductor-post. No. 1,086,623; Feb. 10; Gaz. vol. 199; p. 410.
- Schuster, John J. (See Richardson and Schuster.)
- Schuster, John P., Aurora, Ill. Gearing. No. 1,116,745; Nov. 10; Gaz. vol. 208; p. 483.
- Schuster, Karl R., New York, N. Y. Concrete-mixer. No. 1,111,974; Sept. 29; Gaz. vol. 206; p. 1255.
- Schuster, Morris A., Oakland, Cal. Vehicle-spring. No. 1,087,512; Feb. 17; Gaz. vol. 199; p. 769.
- Schutt, Duny A., Chicago, Ill., assignor to International Harvester Company of New Jersey. Combined disk harrow and seeder. No. 1,106,737; Aug. 11; Gaz. vol. 205; p. 446.
- Schutt, Emil C. (See Schutt, John F. and E. C.)
- Schutt, John F. and E. C., Brockport, N. Y. Fish-dam. No. 1,098,645; June 2; Gaz. vol. 203; p. 99.

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- Schutt, Theodore H., assignor to The Bishop-Babcock-Becker Company, Cleveland, Ohio. Separating-tank. No. 1,116,931; Nov. 10; Gaz. vol. 208; p. 549.
- Schutte, Charles H. F. (See O'Brien and Bowdle, assignors.)
- Schütte, Hermann, Pittsburgh, Pa. Hanger for trolley-wires. No. 1,110,578; Sept. 15; Gaz. vol. 206; p. 691.
- Schutte & Koerting Company. (See Fischer, Adalbert, assignor.)
- Schutte & Koerting Company. (See Koerting, Ernst, assignor.)
- Schutte and Koerting Company. (See Lovekin, Luther D., assignor.)
- Schütz, Carl, Cassel, Germany. Prism. No. 1,095,932; May 5; Gaz. vol. 202; p. 257.
- Schütz, Conrad, Philadelphia, Pa. Portable water-heater. No. 1,085,945; Feb. 3; Gaz. vol. 199; p. 130.
- Schutz, Joseph M., assignor, by mesne assignments, to Standard Ribbon Machine Company, Chicago, Ill. Ribbon-inking machine. No. 1,115,341; Oct. 27; Gaz. vol. 207; p. 1161.
- Schutz, Joseph M., assignor to C. H. Babb, Chicago, Ill. Combined container and burner. No. 1,117,452; Nov. 17; Gaz. vol. 208; p. 771.
- Schütze, Leopold, Leipzig-Eutritsch, and R. Fischer, Leipzig-Reudnitz, Germany. Printing-colors. No. 1,096,198; May 12; Gaz. vol. 202; p. 383.
- Schuyler, Thomas C., assignor to Logan Iron Works, Brooklyn, N. Y. Drier. No. 1,086,092; Feb. 3; Gaz. vol. 199; p. 184.
- Schuyler, Thomas C., assignor to Logan Iron Works, Brooklyn, N. Y. Steam-cooker. No. 1,086,093; Feb. 3; Gaz. vol. 199; p. 185.
- Schuyler, Thomas C., assignor to Logan Iron Works, Brooklyn, N. Y. Screw-press. No. 1,096,199; May 12; Gaz. vol. 202; p. 384.
- Schuyler, Wilton S., Savannah, Mo. Dirigible headlight for automobiles and other vehicles. No. 1,116,499; Nov. 10; Gaz. vol. 208; p. 394.
- Schverma, Bohumil, Two Rivers, Wis. Mold. No. 1,113,142; Oct. 6; Gaz. vol. 207; p. 251.
- Schwab, Edward C., Milwaukee, Wis. Collapsible box. No. 1,102,445; July 7; Gaz. vol. 204; p. 78.
- Schwab, Martin C., Chicago, Ill. Elevator. No. 1,098,845; June 2; Gaz. vol. 203; p. 165.
- Schwab, Martin C., Chicago, Ill. Cigar-lighter attachment to automobiles and the like. No. 1,121,539; Dec. 15; Gaz. vol. 209; p. 1001.
- Schwab, Theodore, Highland Park, Mich. Illuminated license-tag holder. No. 1,115,585; Nov. 3; Gaz. vol. 208; p. 40.
- Schwab, William R., assignor to The Cameragraph Company, Kansas City, Mo. Photographic apparatus. No. 1,084,492; Jan. 13; Gaz. vol. 198; p. 436.
- Schwab, William R., assignor to The Cameragraph Company, Kansas City, Mo. Rewinding device. No. 1,115,586; Nov. 3; Gaz. vol. 208; p. 40.
- Schwabenland, Edward L. (See Ingram, Thomas C., assignor.)
- Schwager, Georg, Berlin, Germany. Shock-absorber for vehicles. No. 1,109,255; Sept. 1; Gaz. vol. 206; p. 141.
- Schwager, Henry A., Detroit, Mich. Spring-calculator. No. 1,122,429; Dec. 29; Gaz. vol. 209; p. 1384.
- Schwahn, Heinrich F. D., Belleville, Ill. Electric furnace. No. 1,105,538; July 28; Gaz. vol. 204; p. 1289.
- Schwahn, Rudolph A., Eau Claire, Wis. Harness attachment. No. 1,121,407; Dec. 15; Gaz. vol. 209; p. 956.
- Schwalge, William, Elmhurst, Ill. Incubator. No. 1,114,297; Oct. 20; Gaz. vol. 207; p. 743.
- Schwall, Charles V. (See Parker, James M., assignor.)
- Schwanengel, Charles F., and C. H. Hanauer, Dayton, Ohio. Clothes-line reel. No. 1,099,517; June 9; Gaz. vol. 203; p. 437.
- Schwanhauser, Frederick, Jersey City, N. J. Stereomograph. No. 1,108,935; Sept. 1; Gaz. vol. 206; p. 27.
- Schwantes, Julius A., Green Bay, Wis. Pump. No. 1,090,884; Mar. 24; Gaz. vol. 200; p. 879.
- Schwarman, Alexander, assignor to Spencer Kellogg & Sons, Inc., Buffalo, N. Y. Manufacture of catalysts. No. 1,111,502; Sept. 22; Gaz. vol. 206; p. 1055.
- Schwartz, Adolph, *et al.* (See Pierce, Joseph, assignor.)
- Schwartz, Adolph, Philadelphia, Pa. Hot-water heating system. No. 1,122,648; Dec. 29; Gaz. vol. 209; p. 1461.
- Schwartz, Carl, St. Louis, Mo. Fabric measuring and cutting machine. No. 1,090,796; Mar. 17; Gaz. vol. 200; p. 816.
- Schwartz, Carl, St. Louis, Mo. Cloth measuring and cutting and cost-computing machine. No. 1,092,802; Apr. 7; Gaz. vol. 201; p. 232.
- Schwartz, Charles W. (See Evans, Rufus M., assignor.)
- Schwartz, David. (See Holek and Schwartz.)
- Schwartz, Edward, assignor to Wm. E. Slaughter Co., Chicago, Ill. Electric curler and the like. No. 1,090,238; Mar. 17; Gaz. vol. 200; p. 627.
- Schwartz, Engelbert B. (See Brimmer, Charles A., assignor.)
- Schwartz, Eugene L., New York, N. Y. Clamp. No. 1,099,863; June 9; Gaz. vol. 203; p. 555.
- Schwartz, Harry, Washington, D. C. Flat-iron cooler. No. 1,085,094; Jan. 20; Gaz. vol. 198; p. 670.
- Schwartz, John J., and L. R. Strauss, New York, N. Y. Jacket for hot bottles. No. 1,116,932; Nov. 10; Gaz. vol. 208; p. 550.
- Schwartz, John P., Richmond, Minn. Gas-engine primer. No. 1,083,634; Jan. 6; Gaz. vol. 198; p. 124.
- Schwartz, Martha E., administratrix. (See Schwartz, William H.)
- Schwartz, S. N. (See Scott, Hosmer J., assignor.)
- Schwartz, Stephen, assignor, by mesne assignments, to L. F. Schroeder, Cleveland, Ohio. Fountain-faucet. No. 1,114,051; Oct. 20; Gaz. vol. 207; p. 654.
- Schwartz, Walter M., and H. Coulston, assignors to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Stocking-drier. No. 1,112,329; Sept. 29; Gaz. vol. 206; p. 1378.
- Schwartz, Wilhelm. (See Wieser, Schwartz, and Wilck.)
- Schwartz, William H., deceased, Hoopeston, Ill.; M. E. Schwartz, administratrix. Sliding door. No. 1,085,760; Feb. 3; Gaz. vol. 199; p. 65.
- Schwartzburg, Edward H., Milwaukee, Wis., assignor to National Enameling and Stamping Company, Baltimore, Md. Feed and water fountain for poultry. No. 1,107,206; Aug. 11; Gaz. vol. 205; p. 610.
- Schwartzman, Jacob, Brooklyn, N. Y. Bed-spring. No. 1,115,587; Nov. 3; Gaz. vol. 208; p. 40.
- Schwartzman, Jacob, Brooklyn, N. Y. Wire fabric. No. 1,116,500; Nov. 10; Gaz. vol. 288; p. 395.
- Schwarz, Albert, assignor of one-fourth to J. F. Kornbacher, Detroit, Mich. Partition for beds. No. 1,092,298; Apr. 7; Gaz. vol. 201; p. 61.
- Schwarz, Emerich, assignor of one-half to A. E. Sander, Chicago, Ill. Piano-stool. No. 1,113,696; Oct. 13; Gaz. vol. 207; p. 490.
- Schwarz, Ernest, Lincoln, Minn. Sight-illuminator. No. 1,084,905; Jan. 20; Gaz. vol. 198; p. 607.
- Schwarz, Henry, Brooklyn, N. Y. Ale-drawing apparatus. No. 1,093,150; Apr. 14; Gaz. vol. 201; p. 387.
- Schwarz, Justin O., New York, and G. Bjorkland, Steinway, assignors to Hardman, Peck & Co., New York, N. Y. Player-grand pedal. No. 1,110,965; Sept. 15; Gaz. vol. 206; p. 827.
- Schwarz, Karl, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Cylinder. No. 1,106,977; Aug. 11; Gaz. vol. 205; p. 530.
- Schwarz, Karl, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Cylinder. No. 1,107,850; Aug. 18; Gaz. vol. 205; p. 886.
- Schwarz, Karl, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Cylinder. No. 1,110,148; Sept. 8; Gaz. vol. 206; p. 501.
- Schwarz, Paul, Cook, England. Gas-fired continuous kiln. No. 1,104,836; July 28; Gaz. vol. 204; p. 1043.
- Schwarz, Solomon I., Cleveland, Ohio. Automobile lap-robe. No. 1,120,855; Dec. 15; Gaz. vol. 209; p. 764.
- Schwarze, Carl J., Adrian, Mich. Electric bell. No. 1,091,898; Mar. 31; Gaz. vol. 200; p. 1270.
- Schwarze, Carl J., assignor to Schwarze Electric Company, Adrian, Mich. Electromagnetically-operated sounder. No. 1,092,117; Mar. 31; Gaz. vol. 200; p. 1344.
- Schwarze Electric Company. (See Schwarze, Carl J., assignor.)
- Schwarzkopf, Paul, and S. Burgstaller, assignors to Wolfram Laboratorium Dr.-Ing. Paul Schwarzkopf-G. m. b. H., Berlin, Germany. Manufacture of bodies of refractory metals and alloys. No. 1,096,464; May 12; Gaz. vol. 202; p. 475.
- Schwarzkopf, Samuel, Toledo, Ohio. Receptacle for burnt matches. No. 1,104,450; July 21; Gaz. vol. 204; p. 860.
- Schwarzler, Jacob. (See Hyde and Schwarzler.)
- Schwarzrock, Fredrick A., Milwaukee, Wis. Suitcase. No. 1,093,484; Apr. 14; Gaz. vol. 201; p. 498.
- Schweinert, Maximilian C. (See Kraft and Schweinert.)
- Schweinert, Maximilian C., West Hoboken, and H. P. Kraft, Ridgewood, N. J. Inflating device for pneumatic tires or the like. No. 1,115,978; Nov. 3; Gaz. vol. 208; p. 175.
- Schweinert, Maximilian C. (See Kraft, Henry P., assignor.)
- Schweiter, Hans, Horgen, near Zurich, Switzerland. Feeler for cop-winding machines. No. 1,085,498; Jan. 27; Gaz. vol. 198; p. 845.
- Schweitzer, Edmund O., Chicago, Ill. Measuring instrument. No. 1,087,189; Feb. 17; Gaz. vol. 199; p. 654.
- Schweitzer, Edmund O., assignor to Associated Engineers Company, Chicago, Ill. Illuminating device. No. 1,098,592; June 2; Gaz. vol. 203; p. 82.
- Schweitzer, Heinrich. (See Oefe, Felix von, assignor.)
- Schweitzer, Heinrich, New York, N. Y. Dental pattern-wax. No. 1,103,088; July 14; Gaz. vol. 204; p. 347.
- Schweitzer, Heinrich, New York, N. Y. Pressure apparatus for dental castings. No. 1,107,185; Aug. 11; Gaz. vol. 205; p. 602.
- Schweitzer, Heinrich, New York, N. Y. Centered mold for dental castings. No. 1,112,847; Oct. 6; Gaz. vol. 207; p. 153.

Alphabetical list of patentees—Continued.

- Schweitzer, Heinrich, New York, N. Y. Casting apparatus for dental castings. No. 1,119,885; Dec. 8; Gaz. vol. 209; p. 374.
- Schweitzer, Herman J., Putney, S. D. Grain-door. No. 1,087,837; Feb. 17; Gaz. vol. 199; p. 881.
- Schweitzer, Hugo. (See Zart and Schweitzer.)
- Schweitzer, Hugo, and A. Zart, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Blue dyestuff. No. 1,088,735; Mar. 3; Gaz. vol. 200; p. 22.
- Schweitzer, Richard J., Chicago, Ill. Soil-stack connection. No. 1,095,291; May 5; Gaz. vol. 202; p. 40.
- Schweitzer, William, and H. H. Labadie, Chicago, Ill. Portable display-stand. No. 1,089,349; Mar. 3; Gaz. vol. 200; p. 229.
- Schweitzer, William, deceased, (H. H. Labadie, administrator,) and H. H. Labadie, Chicago, Ill. Convertible luncheon-case and table for automobiles. No. 1,121,672; Dec. 22; Gaz. vol. 209; p. 1084.
- Schweizerische Lokomotiv- & Maschinenfabrik. (See Wiederkehr, Hans, assignor.)
- Schwend, George M., Birmingham, Ala. Air-pump lubricator. No. 1,086,230; Feb. 3; Gaz. vol. 199; p. 229.
- Schwendt, Bernard J., Columbus, Ohio. Chimney-holder. No. 1,086,407; Feb. 10; Gaz. vol. 199; p. 334.
- Schwensen, Louis C., New York, N. Y. Perforating-machine. No. 1,119,460; Dec. 1; Gaz. vol. 209; p. 192.
- Schwerin, Botho, assignor to Gesellschaft für Elektro-Osmose m-b-H, Frankfort-on-the-Main, Germany. Producing metal adsorptions. No. 1,098,176; May 26; Gaz. vol. 202; p. 1158.
- Schwerin, Botho, assignor to Elektro-Osmose A. G. (Graf Schwerin-Gesellschaft), Frankfort-on-the-Main, Germany. Manufacture of stable colloidal solutions of metals. No. 1,119,647; Dec. 1; Gaz. vol. 209; p. 257.
- Schwerin, Botho, assignor to Elektro-Osmose Aktiengesellschaft, (Graf Schwerin Gesellschaft), Frankfort-on-the-Main, Germany. Exchange of ions absorbed by colloids. No. 1,120,551; Dec. 8; Gaz. vol. 209; p. 610.
- Schwerin, Botho, assignor to Gesellschaft für Elektro-Osmose m. b. H., Frankfort-on-the-Main, Germany. Process to lower the vitrifying-point of ceramic substances. No. 1,121,408; Dec. 15; Gaz. vol. 209; p. 956.
- Schwerin, Botho, Frankfort-on-the-Main, assignor to Elektro-Osmose Aktiengesellschaft (Graf Schwerin Gesellschaft), Berlin, Germany. Removing liquid from organic and inorganic substances. No. 1,121,409; Dec. 15; Gaz. vol. 209; p. 956.
- Schwertner, Joseph, New York, N. Y., assignor to Heerwagen Company. Bleed-hole-regulating device. No. 1,107,851; Aug. 18; Gaz. vol. 205; p. 886.
- Schweter, Erich, Wilkes-Barre, Pa. Steam-engine. No. 1,093,655; Apr. 21; Gaz. vol. 201; p. 597.
- Schwieterman, August G., Dayton, Ohio. Thermal motor. No. 1,104,320; July 21; Gaz. vol. 204; p. 814.
- Schwinger, Clement, Manila, Philippine Islands. Making articles of vegetable shell. No. 1,115,342; Oct. 27; Gaz. vol. 207; p. 1161.
- Schwinn, Ignaz, Chicago, Ill. Variable-speed gearing. No. 1,100,261; June 16; Gaz. vol. 203; p. 730.
- Schwinn, Ignaz, Chicago, Ill. Bracket. No. 1,111,503; Sept. 22; Gaz. vol. 206; p. 1055.
- Schwinnen, Mathew S., assignor to George Cutter Company, South Bend, Ind. Windlass. No. 1,101,473; June 23; Gaz. vol. 203; p. 1201.
- Schwitzer, Louis, Indianapolis, Ind. Pumping system for gas-engines. No. 1,109,256; Sept. 1; Gaz. vol. 206; p. 142.
- Schwitzer, Louis, Indianapolis, Ind. Engine. No. 1,113,058; Oct. 6; Gaz. vol. 207; p. 223.
- Schwitzer, Louis, Indianapolis, Ind. Oiling system. No. 1,117,256; Nov. 17; Gaz. vol. 208; p. 702.
- Sciamengo, Carlo, Turin, Italy. Taking cinematographic pictures. No. 1,102,172; June 30; Gaz. vol. 203; p. 1497.
- Sciaret, Paul, Fort Edward, N. Y. Suction clothes-washer. No. 1,099,400; June 9; Gaz. vol. 203; p. 398.
- Scicchitani, Nazareno, New Rochelle, N. Y. Safety window-chair. No. 1,098,127; May 26; Gaz. vol. 202; p. 1141.
- Scientific Research Co., The. (See Radcliffe, Carlton R., assignor.)
- Scientific Treatments Limited. (See Thomson, Hugh A., assignor.)
- Scilligo, Cornelius G., St. Louis, Mo. Window and door screen. No. 1,118,588; Nov. 24; Gaz. vol. 208; p. 1210.
- Scillitoe, Edgar L. (See Wright, Harry J., assignor.)
- Scotfield, Charles D. (See Kearney, George F., assignor.)
- Scotfield, Walter E., Stamford, Conn. Game apparatus. No. 1,098,846; June 2; Gaz. vol. 203; p. 166.
- Scotfield, William B. (See Socin, Francis C., assignor.)
- Scoggins, Jesse C., Wichita, Kans. Shears. No. 1,102,173; June 30; Gaz. vol. 203; p. 1497.
- Scognamiglio, Salvatore, New York, N. Y. Wheel. No. 1,094,259; Apr. 21; Gaz. vol. 201; p. 800.
- Scoop Folding Box Company. (See Smith and Dreux, assignors.)
- Scotford, Louis K., Chicago, Ill., assignor to Hill-Independent Manufacturing Company, Philadelphia, Pa. Hand-stamp. No. 1,091,394; Mar. 24; Gaz. vol. 200; p. 1052.
- Scotford, Louis K., Chicago, Ill., and M. C. Price, assignors to Hill-Independent Mfg. Co., Muskegon, Mich. Hand-stamp. No. 1,093,485; Apr. 14; Gaz. vol. 201; p. 498.
- Scott, Arthur H., Oak Lane, Pa. Paper towel. No. 1,102,203; June 30; Gaz. vol. 203; p. 1508.
- Scott, Arthur H., Oak Lane, Pa. Comb. No. 1,117,257; Nov. 17; Gaz. vol. 208; p. 703.
- Scott, Arthur H., Philadelphia, Pa. Supporting device for packages. No. 1,106,003; Aug. 4; Gaz. vol. 205; p. 146.
- Scott, Arthur L. (See Bailey, Walter F., assignor.)
- Scott, Benjamin V., Peoria, Ill. Glass-protecting attachment for faucets. No. 1,087,403; Feb. 17; Gaz. vol. 199; p. 730.
- Scott, Burton W. (See Colton and Scott.)
- Scott, Charles B., Philadelphia, Pa., and H. E. Foster, Medford, Oreg. Metal post and pole. No. 1,115,588; Nov. 3; Gaz. vol. 208; p. 41.
- Scott, Charles D., Topeka, Kans. Automatic weighing-machine. No. 1,087,838; Feb. 17; Gaz. vol. 199; p. 882.
- Scott, Charles D., Topeka, Kans., assignor to P. E. Ginn, Winchester, Mass. Feed-regulator. No. 1,090,120; Mar. 10; Gaz. vol. 200; p. 544.
- Scott, Charles E., Yonkers, N. Y., assignor to A. Abelson. Shaving-cup. No. 1,123,211; Dec. 29; Gaz. vol. 209; p. 1662.
- Scott, Chester A., Stockton, Cal. Grade attachment for transits. No. 1,105,930; Aug. 4; Gaz. vol. 205; p. 120.
- Scott, Clarence N., Buffalo, assignor to International Steam Pump Company, New York, N. Y. Admission-valve for gas-engines. No. 1,117,258; Nov. 17; Gaz. vol. 208; p. 703.
- Scott, Edward, Wooler, England. Supplementary cover or band for pneumatic tires. No. 1,109,874; Sept. 8; Gaz. vol. 206; p. 400.
- Scott, Elisha H., assignor to Robinson & Co., Richmond, Ind. Knife-post. No. 1,119,992; Dec. 8; Gaz. vol. 209; p. 411.
- Scott, Ephraim J., Providence, R. I. Spring-motor. No. 1,121,944; Dec. 22; Gaz. vol. 209; p. 1181.
- Scott, Ernest K., Belvedere, England. Electric furnace for fixing nitrogen from the air. No. 1,113,376; Oct. 13; Gaz. vol. 207; p. 380.
- Scott, Farr L., Toledo, Ohio. Trousers-cutting. No. 1,114,190; Oct. 20; Gaz. vol. 207; p. 705.
- Scott, Frank P., et al. (See Ostendorf, Wilhelm L., assignor.)
- Scott, Frederick C., Hornby Island, British Columbia, Canada, assignor to F. W. Trounce, Buffalo, N. Y. Pruning implement. No. 1,092,954; Apr. 14; Gaz. vol. 201; p. 320.
- Scott, Frederick C., Hornby Island, British Columbia, Canada, assignor of one-third to C. C. Williams and one-third to F. M. Dyer, Detroit, Mich. Safety-pin. No. 1,112,098; Sept. 29; Gaz. vol. 206; p. 1297.
- Scott, George, Amsterdam, N. Y. Cloth-cutting machine. No. 1,104,143; July 21; Gaz. vol. 204; p. 754.
- Scott, George, Amsterdam, N. Y., assignor to The Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing-machines. No. 1,117,607; Nov. 17; Gaz. vol. 208; p. 824.
- Scott, George M., McConnellsville, Ohio. Ventilating device for wind-shields. No. 1,106,849; Aug. 11; Gaz. vol. 205; p. 486.
- Scott, George W., Troy, Ohio. Storm-front for vehicles. No. 1,095,933; May 5; Gaz. vol. 202; p. 257.
- Scott-Hansen, Alf, assignor to Norsk Hydro-Elektrisk Kvaestofaktieselskab, Christiania, Norway. Electric furnace. No. 1,096,321; May 12; Gaz. vol. 202; p. 428.
- Scott, Hosmer J., assignor of one-half to S. N. Schwartz, Cleveland, Ohio. Means for controlling headlights. No. 1,087,188; Feb. 17; Gaz. vol. 199; p. 654.
- Scott, Jacob R., North Weymouth, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Clutch. No. 1,118,449; Nov. 24; Gaz. vol. 208; p. 1161.
- Scott, James, Cleveland, Ohio. Electric conductor for trolley-cars. No. 1,104,225; July 21; Gaz. vol. 204; p. 782.
- Scott, James B., Clearfield, Pa. Circulating system for boilers. No. 1,111,766; Sept. 29; Gaz. vol. 206; p. 1183.
- Scott, John C. (See Hansen and Scott.)
- Scott, John C., Covington, Ky. Ventilator. No. 1,109,793; Sept. 8; Gaz. vol. 206; p. 370.
- Scott, John D., New York, N. Y. Apparatus for treating coals and other hydrocarbonaceous substances. No. 1,115,453; Oct. 27; Gaz. vol. 207; p. 1199.
- Scott, John D., New York, N. Y. Treating coals and other hydrocarbonaceous substances. No. 1,115,454; Oct. 27; Gaz. vol. 207; p. 1200.
- Scott, John M., Racine, Wis., assignor to O. R. Barnett, Chicago, Ill. Rail-anchor. No. 1,090,946; Mar. 24; Gaz. vol. 200; p. 901.
- Scott, John R., Charleston, W. Va. Automatic valve. No. 1,111,409; Sept. 22; Gaz. vol. 206; p. 1023.
- Scott, Leland, assignor of one-half to L. Huggins, St. Joseph, Mo. Explosive-engine. No. 1,097,475; May 19; Gaz. vol. 202; p. 869.

Alphabetical list of patentees—Continued.

- Scott, Leland, assignor of one-half to L. Huggins, St. Joseph, Mo. Internal-combustion engine. No. 1,103,089; July 14; Gaz. vol. 204; p. 347.
- Scott, Myron D. (See Strader, Julius G., assignor.)
- Scott, Nellie M. (See Rogers, Winfield S., assignor.)
- Scott, Oscar F., Gainesville, Tex. Stalk-chopper. No. 1,083,635; Jan. 6; Gaz. vol. 198; p. 124.
- Scott, Oscar F., Gainesville, Tex. Stalk-cutter. No. 1,083,636; Jan. 6; Gaz. vol. 198; p. 125.
- Scott Paper Company. (See Bagnall, Alfred, assignor.)
- Scott Paper Company. (See Hamilton, Ernest A., assignor.)
- Scott Paper Company. (See Hamilton and Calvert, assignors.)
- Scott Paper Company. (See Hunter, Rudolph M., assignor.)
- Scott Paper Company. (See Liebeck, Harry, assignor.)
- Scott, Paul C., Dundee, Nebr. Advertising-machine. No. 1,100,785; June 23; Gaz. vol. 203; p. 962.
- Scott, Ray W., New York, N. Y., assignor to New York Attachable Player Action Co. Player-piano. No. 1,084,171; Jan. 13; Gaz. vol. 198; p. 333.
- Scott, Ray W., New York, N. Y., assignor to New York Attachable Player Action Co. Piano. No. 1,086,408; Feb. 10; Gaz. vol. 199; p. 334.
- Scott, Ray W., Brooklyn, N. Y., assignor to New York Attachable Player Action Co. Collapsible feed mechanism. No. 1,086,231; Feb. 3; Gaz. vol. 199; p. 230.
- Scott, Robert, assignor of one-half to H. B. Dick, Kalispell, Mont. Halter. No. 1,093,486; Apr. 14; Gaz. vol. 201; p. 498.
- Scott, Robert D. (See Viers and Scott.)
- Scott, Robert F. (See Harrington and Scott.)
- Scott, Robert F., assignor to Edwin Harrington, Son & Company, Inc., Philadelphia, Pa. Multiple-spindle drill. No. 1,097,678; May 26; Gaz. vol. 202; p. 982.
- Scott, Robert F., and A. M. Harrington, Philadelphia, Pa. Bolt-threading machine. No. 1,114,704; Oct. 20; Gaz. vol. 207; p. 884.
- Scott, Robert P., Cadiz, Ohio. Green-pea, bean, and cow-pea huller. No. 1,107,207; Aug. 11; Gaz. vol. 205; p. 610.
- Scott, Robert W., Boston, Mass. Knitting ribbed fabrics. No. 1,094,482; Apr. 28; Gaz. vol. 201; p. 935.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Camden, N. J. Rib-knitting machine. No. 1,083,564; Jan. 6; Gaz. vol. 198; p. 101.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Knitting selvaged fabrics. No. 1,094,347; Apr. 21; Gaz. vol. 201; p. 826.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Philadelphia, Pa. Welted knitted web and making the same. No. 1,096,566; May 12; Gaz. vol. 202; p. 510.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Knitting-machine needle. No. 1,097,732; May 26; Gaz. vol. 202; p. 1002.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Rib-knitting machine. No. 1,097,733; May 26; Gaz. vol. 202; p. 1002.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Knitting fabric having ribbed sections. No. 1,097,734; May 26; Gaz. vol. 202; p. 1003.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Welted garment and making the same. (Reissue.) No. 13,751; June 16; Gaz. vol. 203; p. 882.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Knitting selvaged fabrics. (Reissue.) No. 13,752; June 16; Gaz. vol. 203; p. 882.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Philadelphia, Pa. Welted knitted web and making the same. (Reissue.) No. 13,788; Aug. 18; Gaz. vol. 205; p. 978.
- Scott, Robert W., assignor to Scott & Williams, Incorporated, Boston, Mass. Welted knit fabric and making the same. No. 1,113,166; Oct. 6; Gaz. vol. 207; p. 261.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Stocking and making the same. No. 1,114,298; Oct. 20; Gaz. vol. 207; p. 743.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Philadelphia, Pa. Rib-knitting machine. No. 1,114,539; Oct. 20; Gaz. vol. 207; p. 830.
- Scott, Robert W., Boston, Mass., assignor to General Knit Fabric Company, Utica, N. Y. Knitting fabrics. No. 1,093,359; Apr. 14; Gaz. vol. 201; p. 459.
- Scott, Robert W., assignor to Scott & Williams, Incorporated, Camden, N. J. Knit article and making the same. No. 1,106,336; Aug. 4; Gaz. vol. 205; p. 258.
- Scott, Robert W., Leeds Point, assignor to Scott & Williams, Incorporated, Camden, N. J. Knitted web. No. 1,087,688; Feb. 17; Gaz. vol. 199; p. 832.
- Scott, Robert W., Leeds Point, assignor to Scott & Williams, Incorporated, Camden, N. J. Ribbed knitted web and making same. No. 1,087,689; Feb. 17; Gaz. vol. 199; p. 833.
- Scott, Robert W., Leeds Point, assignor to Scott & Williams, Incorporated, Camden, N. J. Hosiery. No. 1,114,538; Oct. 20; Gaz. vol. 207; p. 829.
- Scott, Robert W., Leeds Point, assignor to Scott & Williams, Incorporated, Camden, N. J. Fleeced knitted web. No. 1,118,062; Nov. 24; Gaz. vol. 208; p. 1025.
- Scott, Robert W., Leeds Point, assignor to Scott & Williams, Incorporated, Camden, N. J. Knitted web. No. 1,118,063; Nov. 24; Gaz. vol. 208; p. 1025.
- Scott, Robert W., Leeds Point, N. J., and L. A. Costello, Philadelphia, Pa., assignors, by mesne assignments, to Scott & Williams, Incorporated, Camden, N. J. Hosiery. No. 1,087,690; Feb. 17; Gaz. vol. 199; p. 833.
- Scott, S. Walter, Troy, N. Y. Pneumatic support and shock-absorber for vehicles. No. 1,089,974; Mar. 10; Gaz. vol. 200; p. 494.
- Scott, Stewart A., Dunedin, New Zealand. Ball-cock. No. 1,097,476; May 19; Gaz. vol. 202; p. 869.
- Scott, Thomas J., Winchester, Tenn. Combined bookcase and vault therefor. No. 1,110,721; Sept. 15; Gaz. vol. 206; p. 743.
- Scott, Walter, Sheridan, Wyo. Universal joint. No. 1,094,603; Apr. 28; Gaz. vol. 201; p. 976.
- Scott, Walter E. (See Fox and Scott.)
- Scott, Walter E., assignor to Hale and Kilburn Company, Philadelphia, Pa. Window and door. No. 1,094,025; Apr. 21; Gaz. vol. 201; p. 722.
- Scott, Walter I., New Orleans, La. Cuff-button. No. 1,118,816; Nov. 24; Gaz. vol. 208; p. 1286.
- Scott, Wesley M., and W. Johnston, Dayton, Ohio. Core-making device. No. 1,104,837; July 28; Gaz. vol. 204; p. 1044.
- Scott, William D., Martins Ferry, Ohio. Ventilating apparatus. No. 1,090,239; Mar. 17; Gaz. vol. 200; p. 627.
- Scott, William F., *et al.* (See Wigle, Wilson B., assignor.)
- Scott, William F., Madison, Me. Woven fabric. No. 1,098,533; June 2; Gaz. vol. 203; p. 62.
- Scott, William H., Norwich, England. Electric starter for internal-combustion engines. No. 1,104,710; July 21; Gaz. vol. 204; p. 950.
- Scott, William L., Cincinnati, Ohio. Adjustable combination-shield attachment for cameras. No. 1,084,234; Jan. 13; Gaz. vol. 198; p. 356.
- Scott, William M. (See Statler, John G., assignor.)
- Scott, William M. (See Ytterberg, Arle T., assignor.)
- Scott, William M., Philadelphia, Pa. Electropneumatic control apparatus. No. 1,096,061; May 12; Gaz. vol. 202; p. 338.
- Scott, William M., Philadelphia, Pa. Electromagnetic switch. No. 1,097,679; May 26; Gaz. vol. 202; p. 982.
- Scott, William M., Radnor, Pa. Electromagnetic switch. No. 1,097,680; May 26; Gaz. vol. 202; p. 983.
- Scott, William M., Radnor, Pa. Control apparatus. No. 1,100,786; June 23; Gaz. vol. 203; p. 963.
- Scott, William M., Radnor, Pa. Electric protection system. No. 1,118,064; Nov. 24; Gaz. vol. 208; p. 1025.
- Scott, William M., Berwyn, Pa. Circuit-breaker. No. 1,122,430; Dec. 29; Gaz. vol. 209; p. 1384.
- Scott, William M., Philadelphia, Pa., assignor to The Cutter Electrical and Manufacturing Company. Remote control system. No. 1,106,116; Aug. 4; Gaz. vol. 205; p. 186.
- Scott, William M., Philadelphia, Pa., assignor to The Cutter Electrical and Manufacturing Company. System of remote control. No. 1,108,253; Aug. 25; Gaz. vol. 205; p. 1074.
- Scott, William M., Philadelphia, Pa., assignor to The Cutter Electrical and Manufacturing Company. System of remote control. No. 1,108,254; Aug. 25; Gaz. vol. 205; p. 1074.
- Scott, William M., Randor, J. H. Wyatt, Philadelphia, and T. W. Greathead, Morton, assignors to W. M. Scott, Radnor, Pa. Electric switch. No. 1,121,877; Dec. 22; Gaz. vol. 209; p. 1157.
- Scott, William W. (See Pauls, Christian F., assignor.)
- Scott & Williams. (See Musgrove, Arthur S., assignor.)
- Scott & Williams. (See Scott, Robert W., assignor.)
- Scott & Williams. (See Scott, Robert W., assignor.) (Reissue.)
- Scott & Williams. (See Scott and Costello, assignors.)
- Scott & Williams. (See Swinglehurst, Harry, assignor.)
- Scott & Williams. (See Williams, Louis N. D., assignor.)
- Scott & Williams. (See Zeus, Joseph H., assignor.)
- Scoular, James A., Hammersmith, London, assignor to Dick, Kerr & Company, Limited, London, England. Manufacture of metallic filaments for electric incandescent lamps. No. 1,104,557; July 21; Gaz. vol. 204; p. 900.
- Scovill, James E., Chicago, Ill. Bell-ringer. No. 1,094,170; Apr. 21; Gaz. vol. 201; p. 772.
- Scovill, James P., assignor to Trojan Machine Company, Troy, N. Y. Tobacco-stemming machine. No. 1,103,893; July 14; Gaz. vol. 204; p. 628.
- Scovill Manufacturing Company. (See Coons, Arthur M., assignor.)
- Scovill Manufacturing Company. (See Goss, John H., assignor.)
- Scovill Manufacturing Company. (See Hine, Burton J., assignor.)
- Scovill Manufacturing Company. (See Perrine, George H., assignor.)
- Scovill Manufacturing Company. (See Sanderson, Edward S., assignor.)

Alphabetical list of patentees—Continued.

- Scovill Manufacturing Company. (See Simons, Ernest D., assignor.)
- Scribante, Joseph, Pittsburgh, Pa. Trial or fitting garment. No. 1,121,410; Dec. 15; Gaz. vol. 209; p. 956.
- Scribner, Charles E., Jericho, Vt., assignor to Western Electric Company, New York, N. Y. Telegraph-receiver. No. 1,107,366; Aug. 18; Gaz. vol. 205; p. 713.
- Scribner, Charles E., Jericho, Vt., assignor to Western Electric Company, New York, N. Y. Telegraph-receiver. No. 1,107,367; Aug. 18; Gaz. vol. 205; p. 714.
- Scribner, Charles E., Jericho, Vt., and F. R. McBerty, New Rochelle, assignors to Western Electric Company, New York, N. Y. Printing-telegraph. No. 1,107,365; Aug. 18; Gaz. vol. 205; p. 713.
- Scripps, William E., Detroit, Mich. Stove. No. 1,107,712; Aug. 18; Gaz. vol. 205; p. 838.
- Scritsmier, George W., Chicago, Ill. Mechanically-produced negative. No. 1,090,240; Mar. 17; Gaz. vol. 200; p. 628.
- Scriven, Jeremiah A., New York, N. Y. Union garment. No. 1,102,299; July 7; Gaz. vol. 204; p. 27.
- Scroggs, Joseph W., Kingfisher, Okla. Musical chart. No. 1,091,865; Mar. 31; Gaz. vol. 200; p. 1260.
- Scroggins, Robert H., Vienna, Va., assignor of one-half to J. H. Bradley, Washington, D. C. Wheel-flange lubricator. No. 1,104,321; July 21; Gaz. vol. 204; p. 815.
- Scroggins, Robert H., Vienna, Va., assignor of one-half to J. H. Bradley, Washington, D. C. Wheel-flange-lubricating mechanism. No. 1,104,322; July 21; Gaz. vol. 204; p. 815.
- Scudder, Eugene T., Newark, N. J. Automatic air-valve for gas-manifolds. No. 1,088,302; Feb. 24; Gaz. vol. 199; p. 1089.
- Scudi, Michael A., *et al.* (See Guiliani, Alfredo, assignor.)
- Scullin-Gallagher Iron & Steel Company. (See Doerr, Harry E., assignor.)
- Scullin, Terance, and S. R. Skov, Cleveland, Ohio. Card-door. No. 1,093,731; Apr. 21; Gaz. vol. 201; p. 625.
- Scully, Bartholomew, and A. E. Rigby, Winnipeg, Manitoba, Canada. Bank-retainer for culverts. No. 1,098,766; June 2; Gaz. vol. 203; p. 139.
- Scully, John J., assignor to American Graphophone Company, Bridgeport, Conn. Combined recorder and reproducer. No. 1,093,732; Apr. 21; Gaz. vol. 201; p. 625.
- Scurlock, Lewis H., *et al.* (See Muehl, William F., assignor.)
- Seaberg, Frederick. (See Hart and Seaberg.)
- Seaberg, Frederick, assignor to National Dump Car Company, Chicago, Ill. Door-operating mechanism for railway-cars. No. 1,083,705; Jan. 6; Gaz. vol. 198; p. 148.
- Seaberg, Frederick, Chicago, Ill., assignor to National Dump Car Company. Car. No. 1,093,886; Apr. 21; Gaz. vol. 201; p. 675.
- Seaberg, Frederick, Chicago, Ill., assignor to National Dump Car Company. Door-operating mechanism. No. 1,094,483; Apr. 28; Gaz. vol. 201; p. 935.
- Seaboard Rice Milling Co. (See Davis, Waters S., Jr., assignor.)
- Seabury, Ralph L., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Electrode. No. 1,115,027; Oct. 27; Gaz. vol. 207; p. 1053.
- Seager, Percy W., Los Angeles, Cal. Valve. No. 1,084,041; Jan. 13; Gaz. vol. 198; p. 289.
- Seagrave Company, The. (See Lee, William E., assignor.)
- Seagren, Charles, Holdrege, Nebr. Grain-separator. No. 1,112,848; Oct. 6; Gaz. vol. 207; p. 153.
- Seal & Fastener Co., The. (See Flora and Murphy, assignors.)
- Seal, Fred E., Winchester, Va. Toy car. No. 1,108,628; Aug. 25; Gaz. vol. 205; p. 1203.
- Seal, Shelby A., Grand Island, Nebr. Vehicle-seat. No. 1,100,919; June 23; Gaz. vol. 203; p. 1010.
- Seale, Daniel T., Ozark, Ala. Wagon-gear. No. 1,105,460; July 28; Gaz. vol. 204; p. 1263.
- Seale, Daniel T., Florala, Ala. Wagon. No. 1,107,118; Aug. 11; Gaz. vol. 205; p. 575.
- Seale, Jefferson W., Mineral Wells, Tex. Oil or gas cooking-stove. No. 1,096,200; May 12; Gaz. vol. 202; p. 384.
- Seaman, Agnes D., *et al.* (See Frasier, Emory M., assignor.)
- Seaman, Albert J., assignor to A. J. Greene, Boston, Mass. Tire-valve. No. 1,115,252; Oct. 27; Gaz. vol. 207; p. 1133.
- Seaman, Albert J., Dorchester, assignor of one-third to T. P. Borden, Boston, and one-third to E. N. Robinson, Cambridge, Mass. Tire-valve. No. 1,113,375; Oct. 13; Gaz. vol. 207; p. 379.
- Seaman, Albert J., assignor to himself and C. Rowe, Boston, Mass. Carbureter. No. 1,122,806; Dec. 29; Gaz. vol. 209; p. 1517.
- Seaman, Arthur G., Bowden, England. Means for handling and distributing parcels, bales, loads, and other articles. No. 1,100,262; June 16; Gaz. vol. 203; p. 731.
- Seaman, Charles, Ironwood, Mich. Skirt-gage. No. 1,092,177; Apr. 7; Gaz. vol. 201; p. 18.
- Seaman, Charles, New York, assignor of one-half to M. Loewenthal, Brooklyn, N. Y. Driving-mechanism guard. No. 1,116,134; Nov. 3; Gaz. vol. 208; p. 228.
- Seaman, Charles H., assignor to O. H. Foerster, Milwaukee, Wis. Treating artificial stone, &c. No. 1,085,227; Jan. 27; Gaz. vol. 198; p. 753.
- Seaman, Delbert O., assignor of one-half to C. T. Smith, Des Moines, Iowa. Film-fire-protection device for moving-picture films. No. 1,111,767; Sept. 29; Gaz. vol. 206; p. 1183.
- Seaman, Frank C., assignor of one-half to B. C. Doneleson, Oneonta, N. Y. Roller-bearing. No. 1,101,716; June 30; Gaz. vol. 203; p. 1335.
- Seaman, George B., *et al.* (See Frasier, Emory M., assignor.)
- Seaman, Jacob J., Winfield, Kans. Apparatus for injecting liquids into pneumatic tires. No. 1,115,589; Nov. 3; Gaz. vol. 208; p. 41.
- Seaman, Stewart E., Brooklyn, N. Y. Destructive distillation of wood. No. 1,108,403; Aug. 25; Gaz. vol. 205; p. 1125.
- Seaman, Stewart E., Brooklyn, N. Y. Apparatus for the destructive distillation of wood. No. 1,115,590; Nov. 3; Gaz. vol. 208; p. 41.
- Seames, Louis F., Buffalo, N. Y. Bottle-stopper. No. 1,103,692; July 14; Gaz. vol. 204; p. 561.
- Searight, John R., Detroit, Mich. Pencil-sharpener. No. 1,108,478; Aug. 25; Gaz. vol. 205; p. 1151.
- Searl, Leon A., New York, N. Y. Life-buoy. No. 1,115,028; Oct. 27; Gaz. vol. 207; p. 1053.
- Searle, John C., Lalamilo, Hawaii. Traveling irrigator. No. 1,107,119; Aug. 11; Gaz. vol. 205; p. 576.
- Searle, Joseph M., Pittsburgh, Pa. Exhaust-condenser for steam-exhaust pipes. No. 1,110,461; Sept. 15; Gaz. vol. 206; p. 651.
- Searles, Harry R., Youngstown, Ohio, and C. A. Thurston, St. Paul, Minn. Combined lifting-jack and shock-absorber for automobiles and like vehicles. No. 1,108,522; Aug. 25; Gaz. vol. 205; p. 1167.
- Sears Cross & Co. (See Kendall, William F., assignor.)
- Sears, Henry D. (See Platt, Clarence D., assignor.)
- Sears, James R., assignor of one-half to W. M. Smith, Oroville, Cal. Chilean mill. No. 1,115,591; Nov. 3; Gaz. vol. 208; p. 42.
- Sears, Leonard C. (See Hartwell and Sears.)
- Sears, Roebuck and Co. (See Palmer, Clinton D., assignor.)
- Sears, Roebuck & Company. (See Christensen, Carl, assignor.)
- Sears, Roebuck & Company. (See Fowler, Gordon F., assignor.)
- Sears, Roebuck and Company. (See Hoffman, Rudolph, assignor.)
- Sears, Roebuck and Company. (See Joseph, William H., assignor.)
- Sears, Roebuck & Company. (See Krotz, Alvaro S., assignor.)
- Sears, Roebuck and Company. (See Savage, Arthur J., assignor.)
- Sears, Willard T. (See Hanson and Sears.)
- Sears, Willard T., assignor to Pratt & Whitney Company, Hartford, Conn. Supporting-arm for radial drills. No. 1,086,691; Feb. 10; Gaz. vol. 199; p. 433.
- Sears, Willard T., assignor to Pratt & Whitney Company, Hartford, Conn. Mechanical movement. No. 1,087,558; Feb. 17; Gaz. vol. 199; p. 785.
- Sears, Willard T., assignor to Pratt & Whitney Company, Hartford, Conn. Radial drill. No. 1,089,442; Mar. 10; Gaz. vol. 200; p. 310.
- Sears, Willard T., assignor to Pratt & Whitney Company, Hartford, Conn. Supporting-arm for radial drills. No. 1,098,981; June 2; Gaz. vol. 203; p. 211.
- Sears, Willard T., Philadelphia, Pa., assignor to Niles-Bement Pond Company, Jersey City, N. J. Vertical drill. No. 1,096,516; May 12; Gaz. vol. 202; p. 493.
- Sears, Willard T., Philadelphia, Pa., assignor to Pratt & Whitney Company, Hartford, Conn. Adjusting mechanism. No. 1,122,649; Dec. 29; Gaz. vol. 209; p. 1461.
- Sears, William G., Philadelphia, Pa. Spark-deflector. No. 1,101,887; June 30; Gaz. vol. 203; p. 1395.
- Seaton, George W. (See Seaton, John W. and G. W.)
- Seaton, John W. and G. W., Fort Smith, Ark. Metallic rail-tie. No. 1,095,601; May 5; Gaz. vol. 202; p. 147.
- Seator Machine Mfg. Company. (See Seator, Robert J., assignor.)
- Seator, Robert J., assignor to Seator Machine Mfg. Company, Battle Creek, Mich. Twine binder or knotter for packages. No. 1,100,400; June 16; Gaz. vol. 203; p. 779.
- Seay, Julius M., Chalybeate, Ga. Subsoil-plow. No. 1,100,920; June 23; Gaz. vol. 203; p. 1010.
- Seay, Thomas N., Columbia, S. C. Plow. No. 1,122,033; Dec. 22; Gaz. vol. 209; p. 1213.
- Sebastian, Eugen, Saarau, Silesia, assignor to Company Plugge & Holtfort, Dortmund, Germany. Means for connecting shafts. No. 1,104,838; July 28; Gaz. vol. 204; p. 1044.
- Sebastian, John L., Salt Lake City, Utah. Deep-well pump. No. 1,106,800; Aug. 11; Gaz. vol. 205; p. 486.
- Sebastian, Louis, *et al.* (See Wranau, Gottlieb H. E. von, assignor.)
- Sebelius, Gill A., Overly, N. D. Rake-cleaner. No. 1,113,059; Oct. 6; Gaz. vol. 207; p. 223.

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- Sebessy, Aladar, and S. Remusz, South Bethlehem, Pa. Curing apparatus for meats. No. 1,116,135; Nov. 3; Gaz. vol. 208; p. 229.
- Seck, Karl H. W. L., assignor to Firm of H. Lanz, Mannheim, Germany. Driving mechanism for motor-driven cultivators. No. 1,085,362; Jan. 27; Gaz. vol. 198; p. 801.
- Seck, Karl H. W. L., assignor to Firm of H. Lanz, Mannheim, Germany. Hydraulic lifting mechanism. No. 1,093,151; Apr. 14; Gaz. vol. 201; p. 388.
- Seck, Willy, Berlin-Wilmersdorf, assignor to Firm of R. Bosch, Stuttgart, Germany. Reversing device for combustion-engines. No. 1,092,404; Apr. 7; Gaz. vol. 201; p. 96.
- Seckler, Eugen, Paterson, N. J. Compass-board. No. 1,118,309; Nov. 24; Gaz. vol. 208; p. 1109.
- Secor, John A., assignor to M. Rumely Company, Laporte, Ind. Carbureter. No. 1,105,003; July 28; Gaz. vol. 204; p. 1100.
- Secrist, Charles N., *et al.* (See Tudor, John F., assignor.)
- Security Savings and Trust Company. (See Hall, Elmon L., assignor.)
- Sedaj, John, Kenosha, Wis. Extensible table. No. 1,086,232; Feb. 3; Gaz. vol. 199; p. 230.
- Seddon, Harry I., Portland, Oreg. Erasing device for type-writers. No. 1,083,466; Jan. 6; Gaz. vol. 198; p. 70.
- Sedelbauer, William J., Toledo, Ohio. Floor-tube. No. 1,100,263; June 16; Gaz. vol. 203; p. 731.
- Sedgwick, Frederick, Chicago, Ill. Cipher type-writer. No. 1,085,636; Feb. 3; Gaz. vol. 199; p. 20.
- Seeber, Frederick, New York, N. Y. Wheel-locking device. No. 1,098,982; June 2; Gaz. vol. 203; p. 212.
- Seeber, Frederick, New York, N. Y. Clasp. No. 1,110,579; Sept. 15; Gaz. vol. 206; p. 691.
- Seeber, Frederick, New York, N. Y. Automobile and other vehicle lock. No. 1,115,592; Nov. 3; Gaz. vol. 208; p. 42.
- Seeber, Frederick, New York, N. Y. Locking attachment for umbrellas and canes. No. 1,120,092; Dec. 8; Gaz. vol. 209; p. 446.
- Seeberg, Christen. (See Selmer, Olaf, assignor.)
- Seeberger, Charles D., New York, N. Y. Conveyer. No. 1,087,893; Feb. 17; Gaz. vol. 199; p. 900.
- Seeberger, Charles D., New York, N. Y. Traveling sidewalk. No. 1,096,960; May 19; Gaz. vol. 202; p. 689.
- Seeberger, Charles D., New York, N. Y., assignor to Otis Elevator Company. Conveyer system. No. 1,095,361; May 5; Gaz. vol. 202; p. 64.
- Seed, Richard, Pawtucket, R. I. Game. No. 1,095,934; May 5; Gaz. vol. 202; p. 257.
- Seeds, George, assignor to Newton Disc Plow Company, Newton, Iowa. Gearing device for washing-machines and wringers. No. 1,110,830; Sept. 15; Gaz. vol. 206; p. 780.
- Seeger, August C., East St. Louis, Ill. Combined chair, swing, and jumper. No. 1,089,276; Mar. 3; Gaz. vol. 200; p. 206.
- Seegmiller, Charles H., assignor of one-half to F. J. Dennis, Chicago, Ill. Folding box. No. 1,107,852; Aug. 18; Gaz. vol. 205; p. 886.
- Seehase, Hans, Warnemünde, and E. Pansegrau, Berlin, Germany. Stencil for drawing structural details in technical plans. No. 1,087,326; Feb. 17; Gaz. vol. 199; p. 704.
- Seele, William J. (See Mesker, Edwards, Smith, Stephens, and Seale.)
- Seeley, Abner M., Newark, N. J., and A. Huether, Brooklyn, assignors to Empire Paper Tube & Box Company, New York, N. Y. Automatic tube-cutting machine. No. 1,085,946; Feb. 3; Gaz. vol. 199; p. 131.
- Seeley, Charles L., La Junta, Colo. Locking device. No. 1,106,521; Aug. 11; Gaz. vol. 205; p. 370.
- Seeley, Frank E., assignor to The Bryant Electric Company, Bridgeport, Conn. Swiveled attachment-plug. No. 1,103,006; July 7; Gaz. vol. 204; p. 272.
- Seeley, Frank E., assignor to The Bryant Electric Company, Bridgeport, Conn. Plural socket. No. 1,107,120; Aug. 11; Gaz. vol. 205; p. 576.
- Seeley, James E., assignor to High Frequency Ignition Coil Company, Los Angeles, Cal. Sparking device for gas-engines and the like. No. 1,086,565; Feb. 10; Gaz. vol. 199; p. 390.
- Seeley, James E., assignor to Vulcan Coil Co., Los Angeles, Cal. Ozone apparatus. No. 1,102,963; July 7; Gaz. vol. 204; p. 257.
- Seeley, Richard, Joliet, Ill. Wing construction for bi-planes. No. 1,096,567; May 12; Gaz. vol. 202; p. 510.
- Seeley, Warren A., Minneapolis, Minn. Compound rail. No. 1,105,847; Aug. 4; Gaz. vol. 205; p. 92.
- Seeley, William J., Kansas City, Mo. Hollow metal tie. No. 1,112,330; Sept. 29; Gaz. vol. 206; p. 1378.
- Seelig, John G. (See Wyman, William H., assignor.)
- Seeligson, Henry, Dallas, Tex. Leaf or insert for books and the like. No. 1,114,920; Oct. 27; Gaz. vol. 207; p. 1015.
- Seely, George E., Redwood City, Cal. Making a puncture-sealing composition. No. 1,117,526; Nov. 17; Gaz. vol. 208; p. 797.
- Seely, George G. (See Huntington, Cory O., assignor.)
- Seely, Harry H. (See Roberts and Seely.)
- Seely, Thomas H., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Package of welting. No. 1,101,212; June 23; Gaz. vol. 203; p. 1112.
- Seelye, Edward E. (See Thompson and Seelye.)
- Seelye, William E., Sault Ste. Marie, Ontario, Canada. Prospector's ax and pick. No. 1,088,938; Mar. 3; Gaz. vol. 200; p. 91.
- Seelye, William F., assignor of one-half to J. P. Wilson, New Haven, Conn. Lock-canal marine toy. No. 1,109,366; Sept. 1; Gaz. vol. 206; p. 182.
- Seeman, Ernest A., *et al.* (See Sheppard, John, assignor.)
- Seeman, Lester W., and J. C. Morse, Fort Steilacoom, Wash. Vacuum-walled refrigerator. No. 1,091,968; Mar. 31; Gaz. vol. 200; p. 1294.
- Seemann, Henry, Los Angeles, Cal. Mechanism for exhibiting illustrations of talking-machine records. No. 1,101,760; June 30; Gaz. vol. 203; p. 1350.
- Seemann, William F., *et al.* (See Parker, Emile V., assignor.)
- Seery, Edward L., Waterbury, Conn. Engine. No. 1,107,853; Aug. 18; Gaz. vol. 205; p. 887.
- Seewald, Christian, Williamsport, Pa. Tire attachment. No. 1,109,307; Sept. 1; Gaz. vol. 206; p. 159.
- Sefton Manufacturing Company, The. (See Ferres, Jeffrey T., assignor.)
- Segal, Keeva, Philadelphia, Pa. Undergarment. No. 1,114,540; Oct. 20; Gaz. vol. 207; p. 830.
- Segal, Samuel, assignor to Burglar Proof Lock Company, Inc., New York, N. Y. Lock. No. 1,087,839; Feb. 17; Gaz. vol. 199; p. 882.
- Segal, Samuel, Revere, and J. Friedman, Malden, Mass. Fountain-brush. No. 1,099,209; June 9; Gaz. vol. 203; p. 330.
- Segall, Solomon I., New York, N. Y. Sanitary garbage-receptacle. No. 1,092,752; Apr. 7; Gaz. vol. 201; p. 216.
- Segee, Gerard T., Revere, Mass. Window-lock. No. 1,104,558; July 21; Gaz. vol. 204; p. 901.
- Segerlund, Elmer L., Cleveland, Ohio. Rat-trap. No. 1,084,493; Jan. 13; Gaz. vol. 198; p. 436.
- Segersten, Charles A. V. J. (See Jacobsen and Segersten.)
- Segrow, Ole. (See Sivertson and Segrow.)
- Seguin, Emilien, assignor of one-half to F. J. Parsons, Montreal, Quebec, Canada. Insulator. No. 1,104,009; July 21; Gaz. vol. 204; p. 708.
- Segundo, Edward C. de. (See Minck and Segundo.)
- Segundo, Edward C. de, London, England. Treating cotton-seed hulls. No. 1,089,679; Mar. 10; Gaz. vol. 200; p. 393.
- Segur, Frank B., Chicago, Ill. Machine for forming electric conducting-coils. No. 1,116,933; Nov. 10; Gaz. vol. 208; p. 550.
- Sehmisch, Otto. (See Brühl and Sehmisch.)
- Seib, George A., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,118,065; Nov. 24; Gaz. vol. 208; p. 1026.
- Seidel, Arthur A. (See Kuechenmeister and Seidel.)
- Seidel, Emil, Providence, R. I. Adjustable lamp-stand. No. 1,091,969; Mar. 31; Gaz. vol. 200; p. 1294.
- Seidel, Georg, Munich, assignor to Citoplate Gesellschaft mit beschränkter Haftung, Berlin, Germany. Machine for finishing stereotype-plates. No. 1,098,177; May 26; Gaz. vol. 202; p. 1158.
- Seidel, William, assignor to American Pattern & Model Co., Chicago, Ill. Machine for forming wooden gear-teeth. No. 1,108,629; Aug. 25; Gaz. vol. 205; p. 1204.
- Seidel, William, assignor to American Pattern & Model Co., Chicago, Ill. Molder's flask. No. 1,108,630; Aug. 25; Gaz. vol. 205; p. 1204.
- Seidlinger, Robie, Wilmington, Del. Aeroplane. No. 1,083,565; Jan. 6; Gaz. vol. 198; p. 101.
- Seidl, Frank W., deceased, Manitowoc; M. Seidl, executrix, Milwaukee, Wis. Jewel-gage. No. 1,093,360; Apr. 14; Gaz. vol. 201; p. 459.
- Seidl, Minnie, executrix. (See Seidl, Frank W.)
- Seidman, Charles, Philadelphia, Pa. Necktie. No. 1,095,740; May 5; Gaz. vol. 202; p. 194.
- Seifert, Charles A., Newbern, N. C. Bottle-crate. No. 1,111,922; Sept. 29; Gaz. vol. 206; p. 1240.
- Seifert, Karl R. R., Charlottenburg, Germany. Combined sintering and stretching process. No. 1,103,382; July 14; Gaz. vol. 204; p. 449.
- Seifert, Rudolf E. (See Goethner, Rooney, and Seifert.)
- Seipel, Carl W. (See Light, Claus H., assignor.)
- Seipel, Heinrich, Pforzheim, assignor to H. Kaufmann & Söhne, Solingen, Germany. Pocket-case. No. 1,087,404; Feb. 17; Gaz. vol. 199; p. 730.
- Seipp, Henry C., Pittsburgh, Pa. Tire. No. 1,098,364; May 26; Gaz. vol. 202; p. 1224.
- Seiss, August P., Omaha, Nebr., and G. W. Rohrig, Council Bluffs, Iowa. Combined spark-plug, primer, and indicator. No. 1,108,009; Aug. 18; Gaz. vol. 205; p. 940.
- Seiss, George J., Toledo, Ohio. Gearing for knife-sharp-eners. No. 1,109,945; Sept. 8; Gaz. vol. 206; p. 426.
- Seiss, George J., Toledo, Ohio. Signal device. No. 1,112,566; Oct. 6; Gaz. vol. 207; p. 55.
- Seltz, George F., Philadelphia, Pa. Reservoir-penholder. No. 1,092,753; Apr. 7; Gaz. vol. 201; p. 216.
- Seivert, Christ, Calio, N. D. Wear-compensating journal-box. No. 1,112,425; Sept. 29; Gaz. vol. 206; p. 1412.

Alphabetical list of patentees—Continued.

- Sekrit, William H., St. Louis, Mo. Crib. No. 1,112,567; Oct. 6; Gaz. vol. 207; p. 55.
- Sekulo, Andrew, Washington, Pa. Curtain-fixture. No. 1,087,611; Feb. 17; Gaz. vol. 199; p. 803.
- Selander, Gustaf. (See Radlein and Selander.)
- Selden, Edward P., assignor to Erie City Iron Works, Erie, Pa. Boiler-bracket. No. 1,104,144; July 21; Gaz. vol. 204; p. 754.
- Selden, James M., Crafton, Pa. Kitchen utensil. No. 1,123,019; Dec. 29; Gaz. vol. 209; p. 1592.
- Selective Signal Company. (See Manny, Ira F., assignor.)
- Selex Specialties Company. (See Goldberg, Hyman E. and D., assignors.)
- Self Locking Carton Company. (See Ashton, Edwin R., assignor.)
- Self, William H., Webb City, Mo. Making chafing-blocks for railway rolling-stock. No. 1,111,807; Sept. 29; Gaz. vol. 206; p. 1199.
- Selg, Otto, New York, N. Y. Brewer's filtering apparatus. No. 1,101,098; June 23; Gaz. vol. 203; p. 1072.
- Selig, William, Prince Rupert, British Columbia, Canada. Fishing-bait. No. 1,115,743; Nov. 3; Gaz. vol. 208; p. 94.
- Seligman, Milton B., Philadelphia, Pa. Collar. No. 1,096,645; May 12; Gaz. vol. 202; p. 537.
- Sell Horse Goods Company, The. (See Miller and Sell, assignors.)
- Sell Horse Goods Company, The. (See Sell, William E., assignor.)
- Sell, William E. (See Miller and Sell.)
- Sell, William E., assignor to The Sell Horse Goods Company, Canton, Ohio. Glove. No. 1,102,552; July 7; Gaz. vol. 204; p. 115.
- Sell, William E., assignor to The Sell Horse Goods Company, Canton, Ohio. Horse-checking device. No. 1,110,650; Sept. 15; Gaz. vol. 206; p. 717.
- Sellar, John L., assignor of two-thirds to H. Castelberg, Baltimore, Md. Non-refillable bottle. No. 1,108,099; Aug. 18; Gaz. vol. 205; p. 972.
- Sellers, William A., Lamar, Mo. Combined closure and insect-trap. No. 1,117,259; Nov. 17; Gaz. vol. 208; p. 703.
- Sellenger, William, Richmond, Victoria, Australia. Pneumatic suspension for vehicles. No. 1,091,250; Mar. 24; Gaz. vol. 200; p. 1007.
- Sellers, Matthew B., Baltimore, Md. Aerial navigation. No. 1,096,129; May 12; Gaz. vol. 202; p. 361.
- Sellers, Matthew B., Baltimore, Md. Aerial navigation. No. 1,096,130; May 12; Gaz. vol. 202; p. 361.
- Sellers, Preston H., East St. Louis, Ill. Combined condenser and reboiler. No. 1,109,794; Sept. 8; Gaz. vol. 206; p. 370.
- Sellers, Wilfred, Elwood, Ind. Swinging bin for cabinets. No. 1,100,329; June 16; Gaz. vol. 203; p. 754.
- Sellers, Wilfred, Elwood, Ind. Latch. No. 1,123,020; Dec. 29; Gaz. vol. 209; p. 1592.
- Sellers, William F., and H. B. Bradford, assignors to Edge Moor Iron Company, Edgemoor, Del. Hand-hole cover. No. 1,105,212; July 28; Gaz. vol. 204; p. 1173.
- Sellers, William F., and H. B. Bradford, assignors to Edge Moor Iron Company, Edgemoor, Del. Division-wall for water-tube boilers. No. 1,105,213; July 28; Gaz. vol. 204; p. 1174.
- Sellers, William H., Jr., Florence, Kans. Sweep-rake. No. 1,093,487; Apr. 14; Gaz. vol. 201; p. 499.
- Sellew, Ernest B., Pawtucket, R. I. Auxiliary support. No. 1,092,867; Apr. 14; Gaz. vol. 201; p. 291.
- Sellier, Louis, Paris, France. Compound metal-working implement. No. 1,113,254; Oct. 13; Gaz. vol. 207; p. 336.
- Sellner, Herbert W., Faribault, Minn. Sandpapering-machine. No. 1,094,484; Apr. 28; Gaz. vol. 201; p. 936.
- Sellon, Charles A., Alliance, Ohio. Process and system for producing power. No. 1,103,440; July 14; Gaz. vol. 204; p. 469.
- Sellers, Edward M., assignor of one-half to A. McKenna, Fort Worth, Tex. Silo. No. 1,106,897; Aug. 11; Gaz. vol. 205; p. 502.
- Sells, James B., London, Ky. Churn. No. 1,111,187; Sept. 22; Gaz. vol. 206; p. 948.
- Selmer, Olaf, Lillehammer, assignor to C. Seeberg, Christiania, Norway. Skee-harness. No. 1,113,496; Oct. 13; Gaz. vol. 207; p. 423.
- Selstad, Ingvald E., Kingsville, Tex. Adjustable shelf-bracket. No. 1,114,921; Oct. 27; Gaz. vol. 207; p. 1016.
- Seltenreich, John J., assignor of one-half to E. F. Braren, Chicago, Ill. Collar-ironing machine. No. 1,120,415; Dec. 8; Gaz. vol. 209; p. 560.
- Seltenreich, John J., assignor of one-half to E. F. Braren, Chicago, Ill. Collar-ironing machine. No. 1,120,416; Dec. 8; Gaz. vol. 209; p. 561.
- Seltzer, Luther K., Yonkers, N. Y., and J. O. Stähr, Hagerstown, Md. High-level indicator for liquids. No. 1,116,934; Nov. 10; Gaz. vol. 208; p. 550.
- Seltzer, William H., Philadelphia, Pa. Action-muffling device for pianos. No. 1,104,280; July 21; Gaz. vol. 204; p. 801.
- Seiubsky, Michael, Brooklyn, N. Y. Adjustable garment-form. No. 1,084,235; Jan. 13; Gaz. vol. 198; p. 356.
- Selz, Andrew J., New Rochelle, N. Y. Paper bottle. No. 1,100,448; June 16; Gaz. vol. 203; p. 795.
- Selz Schwab & Company. (See Hoffman, Valentine, assignor.)
- Semans, George E. L., Pittsburgh, Pa. Wrench of a quick-acting type. No. 1,106,117; Aug. 4; Gaz. vol. 205; p. 187.
- Semeleder, Oskar, Vienna, Austria-Hungary. Apparatus for correcting foot crookedness. No. 1,114,339; Oct. 20; Gaz. vol. 207; p. 774.
- Semet-Solvay Company. (See Hughes, Charles H., assignor.)
- Semet-Solvay Company. (See Kerr, Jesse J., assignor.)
- Semmelback, Fred A., Watersmeet, Mich. Ticket-holder. No. 1,109,795; Sept. 8; Gaz. vol. 206; p. 371.
- Semmelroth, Rossiter B., Buffalo, N. Y. Spring-oiling device. No. 1,114,541; Oct. 20; Gaz. vol. 207; p. 830.
- Semmler, Carl, Wiesbaden, Germany. Utilization of the waste heat of combustion-motors for heating purposes. No. 1,107,368; Aug. 18; Gaz. vol. 205; p. 714.
- Semon, William H., Cleveland, Ohio. Combined drill and countersink. No. 1,111,410; Sept. 22; Gaz. vol. 206; p. 1023.
- Seemple, John B., Sewickley, Pa. Projectile. No. 1,105,848; Aug. 4; Gaz. vol. 205; p. 92.
- Seemple, John B., Sewickley, Pa. Explosive projectile. No. 1,105,849; Aug. 4; Gaz. vol. 205; p. 92.
- Seemple, Thomas D., assignor to Blue-Peter Cigarette Co., New York, N. Y. Cigarette-container. No. 1,098,178; May 26; Gaz. vol. 202; p. 1158.
- Seemple, William J. (See Quigley, Joseph, assignor.)
- Sencenbaugh, Samuel S., Aurora, assignor to T. Buettner & Co., Chicago, Ill. Crochet-hook. No. 1,091,395; Mar. 24; Gaz. vol. 200; p. 1052.
- Sendelbach, Edward C., Piqua, Ohio. Vehicle-wheel. No. 1,095,678; May 5; Gaz. vol. 202; p. 173.
- Senderling, Martin L., Jersey City, N. J. Vehicle. No. 1,095,127; Apr. 28; Gaz. vol. 201; p. 1159.
- Seneca Camera Manufacturing Company. (See Goddard, Joseph, assignor.)
- Sénégas, Jean, New York, N. Y. Tongs. No. 1,116,852; Nov. 10; Gaz. vol. 208; p. 523.
- Sénégas, Jean, New York, N. Y. Hair-dresser's heating and curling tongs. No. 1,116,853; Nov. 10; Gaz. vol. 208; p. 523.
- Sénégas, Jean, New York, N. Y. Hair-curling device. No. 1,116,935; Nov. 10; Gaz. vol. 208; p. 551.
- Senez, Arthur. (See Brown and Senez.)
- Senfgefäss-Werke, Gesellschaft mit beschränkter Haftung. (See Bähr and Dobesch, assignors.)
- Seng, Frank. (See Powers, George G., assignor.)
- Sengbusch, Gustav J., Milwaukee, Wis. Ink-well. No. 1,109,019; Sept. 1; Gaz. vol. 206; p. 58.
- Sengbusch, Gustav J., Milwaukee, Wis. Ink-well holder. No. 1,114,922; Oct. 27; Gaz. vol. 207; p. 1016.
- Senge, Liborius, Crescent Springs, Ky. Safety-pocket. No. 1,111,678; Sept. 22; Gaz. vol. 206; p. 1117.
- Sennett, Walter C., Portland, Me. Metal window-screen. No. 1,116,501; Nov. 10; Gaz. vol. 208; p. 395.
- Senter, Charles A., et al. (See Markham, Andrew J., assignor.)
- Senter, Ralph T., Buffalo, assignor, by mesne assignments, to The Near-Side Car Company, New York, N. Y. Passenger-car. No. 1,105,704; Aug. 4; Gaz. vol. 205; p. 42.
- Senter, Ralph T., Philadelphia, Pa., assignor, by mesne assignments, to The Near-Side Car Company, New York, N. Y. Step and step-operating mechanism. No. 1,105,705; Aug. 4; Gaz. vol. 205; p. 42.
- Senter, Ralph T., Philadelphia, Pa., assignor to The Near-Side Car Company, New York, N. Y. Passenger-vehicle. No. 1,105,706; Aug. 4; Gaz. vol. 205; p. 42.
- Senter, Ralph T., Philadelphia, Pa., assignor, by mesne assignments, to The Near-Side Car Company, New York, N. Y. Door and step operating mechanism. No. 1,105,707; Aug. 4; Gaz. vol. 205; p. 43.
- Senter, Ralph T., Philadelphia, Pa., assignor to The Near Side Car Company, New York, N. Y. Door-guiding device. No. 1,117,918; Nov. 17; Gaz. vol. 208; p. 933.
- Sentinel Automatic Gas Appliance Co., The. (See Phillips, Ross M. G., assignor.)
- Sentinel Automatic Gas Appliance Company. (See Bargamin, Clifford, assignor.)
- Senzik, Otto P. (See Watson, Richard M., assignor.)
- Seprec, Marek and S., Clarence, Pa. Life-preserver. No. 1,116,936; Nov. 10; Gaz. vol. 208; p. 551.
- Seprec, Stephen. (See Seprec, Marek and S.)
- Sera, Sam. (See Lovas and Sera.)
- Serafin, Romano, Stafford Springs, Conn. Metallic railway-tie. No. 1,093,013; Apr. 14; Gaz. vol. 201; p. 339.
- Sergeson, James C., Philadelphia, Pa. Shuttle. No. 1,090,572; Mar. 17; Gaz. vol. 200; p. 744.
- Serlachius, Birger, Jacobstad, Finland. Harrow. No. 1,084,494; Jan. 13; Gaz. vol. 198; p. 436.
- Serpek, Ottokar, assignor to Société Générale des Nitrures, Paris, France. Manufacture of aluminium nitrids. No. 1,094,171; Apr. 21; Gaz. vol. 201; p. 772.
- Serpek, Ottokar, assignor to Société Générale des Nitrures, Paris, France. Refractory lining for furnaces. No. 1,099,131; June 2; Gaz. vol. 203; p. 259.

Alphabetical list of patentees—Continued.

- Serrell, Alfred T., Yonkers, N. Y. Apparatus for cutting butter. No. 1,117,453; Nov. 17; Gaz. vol. 208; p. 772.
- Serrell, Anna E., *et al.*, executors. (See Serrell, Harold.)
- Serrell, Arthur H., *et al.*, executors. (See Serrell, Harold.)
- Serrell, Harold, deceased, North Plainfield, N. J.; A. E. and A. H. Serrell, executors. Combination-ladder. No. 1,096,396; May 12; Gaz. vol. 202; p. 452.
- Serrell, John A., North Plainfield, N. J. Power-transmitting device. No. 1,111,865; Sept. 29; Gaz. vol. 206; p. 1221.
- Serrell, John A., North Plainfield, and J. L. Fitts, Pensauken township, Camden county, N. J.; said Fitts assignor to Warren Webster & Company. Thermostatic valve. No. 1,109,705; Sept. 8; Gaz. vol. 206; p. 341.
- Serres, Joseph B., assignor of one-half to J. Rotolo, Houltonville, La. Beet pulling and topping machine. No. 1,114,390; Oct. 20; Gaz. vol. 207; p. 775.
- Serres, Kathryn M., Boston, Mass. Eyeglass-cleaner. No. 1,091,396; Mar. 24; Gaz. vol. 200; p. 1053.
- Sertell, Joseph, and W. F. Ryan, Indianapolis, Ind. Spike. No. 1,112,849; Oct. 6; Gaz. vol. 207; p. 153.
- Sertic, John, Cleveland, Ohio. Corn-planter. No. 1,084,564; Jan. 13; Gaz. vol. 198; p. 462.
- Servais, Emmanuel, Luxemburg, Luxemburg. Method of and apparatus for generating producer-gas. No. 1,098,534; June 2; Gaz. vol. 203; p. 62.
- Servita, Samuel H., Fall River, Mass. Rubber heel. No. 1,121,141; Dec. 15; Gaz. vol. 209; p. 867.
- Sessions, Albert L., Bristol, Conn. Strap-fastening plate or like structure. No. 1,122,807; Dec. 29; Gaz. vol. 209; p. 1517.
- Sessions, Frank L., Lakewood, assignor to The Standard Welding Company, Cleveland, Ohio. Tube-feeding device for swaging machines. No. 1,084,042; Jan. 13; Gaz. vol. 198; p. 289.
- Sessions, Frank L., Lakewood, assignor to The Standard Welding Company, Cleveland, Ohio. Chuck. No. 1,087,327; Feb. 17; Gaz. vol. 199; p. 704.
- Sessions, Frank L., Lakewood, assignor to The Standard Welding Company, Cleveland, Ohio. Vehicle wheel-rim. No. 1,112,568; Oct. 6; Gaz. vol. 207; p. 56.
- Sessions, Frank L., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Cable-reeling mechanism for electric traction systems. No. 1,112,331; Sept. 29; Gaz. vol. 206; p. 1378.
- Sessions, Frank L., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining-machine. No. 1,112,332; Sept. 29; Gaz. vol. 206; p. 1379.
- Sessions, Frank L., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Mining-machine. No. 1,122,034; Dec. 22; Gaz. vol. 209; p. 1213.
- Sessions, Hugh E. (See Hoefer, Frederick A., assignor.)
- Seth, John, Brooklyn, Iowa. Boiler. No. 1,093,733; Apr. 21; Gaz. vol. 201; p. 625.
- Seth Thomas Clock Co. (See Bell, Charles H., assignor.)
- Seth Thomas Clock Co. (See Gordon, Arthur M., assignor.)
- Seth Thomas Clock Co. (See Hoffman, Frederick C., assignor.)
- Sethman, Andrew O., East Boston, assignor of two-thirds to F. A. Shea, Brookline, Mass. Hat-fastener. No. 1,084,758; Jan. 20; Gaz. vol. 198; p. 558.
- Setter, Michael, assignor to Automatic Electric Company, Chicago, Ill. Telephone automatic trunk-selecting system. No. 1,104,451; July 21; Gaz. vol. 204; p. 860.
- Settergren, Charles L., Philadelphia, Pa. Slab-holder for rubbing-beds. No. 1,116,333; Nov. 3; Gaz. vol. 208; p. 294.
- Setterlund, Erik W., Sandridge, Manitoba, Canada. Saw-set. No. 1,096,131; May 12; Gaz. vol. 202; p. 362.
- Setz, Hans R., assignor to Fulton Iron Works, St. Louis, Mo. Pipe-coupling. No. 1,087,559; Feb. 17; Gaz. vol. 199; p. 785.
- Setz, Hans R., assignor to Fulton Iron Works, St. Louis, Mo. Starting device for internal-combustion engines. No. 1,098,767; June 2; Gaz. vol. 203; p. 139.
- Setz, Hans R., St. Louis, assignor to Fulton Iron Works, St. Louis county, Mo. Pump-regulator. No. 1,116,494; Nov. 10; Gaz. vol. 208; p. 393.
- Setzer, Joel M., assignor of one-third to J. H. Colwell, St. Paul, Minn. Regulating device. No. 1,108,255; Aug. 25; Gaz. vol. 205; p. 1075.
- Setzler, Charles, Booneville, Ark. Automobile-fender. No. 1,102,446; July 7; Gaz. vol. 204; p. 78.
- Seubert, Eugen, Munich, Germany. Sewage-tank for the purification of sewage. No. 1,102,553; July 7; Gaz. vol. 204; p. 116.
- Severa, Demeter M., Mishawaka, Ind. Shoe-heel. No. 1,110,966; Sept. 15; Gaz. vol. 206; p. 828.
- Severance, John, assignor to Milton Bradley Company, Springfield, Mass. Safety appliance. No. 1,103,894; July 14; Gaz. vol. 204; p. 628.
- Severese, Toby. (See Mudd and Severese.)
- Severin, Ludwig, Hagen-Delstern, Germany. Device for lighting gas-lamps from a distance. No. 1,109,150; Sept. 1; Gaz. vol. 206; p. 104.
- Severns, William, Chicago, Ill. Spring-actuated pivotal connecting means for mop-handles. No. 1,100,029; June 16; Gaz. vol. 203; p. 649.
- Severson, Carl J., Minneapolis, Minn. Demountable rim. No. 1,113,497; Oct. 13; Gaz. vol. 207; p. 423.
- Severson, Martin J., Roundup, Mont. Portable rig for circular saws. No. 1,119,886; Dec. 8; Gaz. vol. 209; p. 374.
- Severson, Ole, Randall, Kans. Farm-gate. No. 1,104,010; July 21; Gaz. vol. 204; p. 708.
- Severus, Louis, Chicago, Ill. Electric-light fixture. No. 1,114,299; Oct. 20; Gaz. vol. 207; p. 743.
- Severy, Melvin L., Arlington Heights, Mass. Power system. No. 1,110,722; Sept. 15; Gaz. vol. 206; p. 743.
- Severy, Melvin L., Arlington Heights, and G. B. Sinclair, Winthrop, Mass., assignors to Choralcelo Manufacturing Company. Magnet-rail for electric pianos. No. 1,097,052; May 19; Gaz. vol. 202; p. 720.
- Severy, Melvin L., Arlington Heights, and G. B. Sinclair, Winthrop, Mass., assignors to Choralcelo Manufacturing Company. Pedal-controlled rheostat for musical instruments. No. 1,097,053; May 19; Gaz. vol. 202; p. 720.
- Severy, Melvin L., Arlington Heights, and G. B. Sinclair, Medford, Mass., assignors to Choralcelo Manufacturing Company. Electric musical instrument. No. 1,098,983; June 2; Gaz. vol. 203; p. 212.
- Severy, Melvin L., Arlington Heights, and G. B. Sinclair, Medford, Mass. Electromechanical action for musical instruments. No. 1,104,282; July 21; Gaz. vol. 204; p. 802.
- Severy, Melvin L., Arlington Heights, and G. B. Sinclair, Winthrop, Mass., assignors to Choralcelo Manufacturing Company. Electrical musical instrument. No. 1,104,939; July 28; Gaz. vol. 204; p. 1079.
- Severy, Melvin L., Arlington Heights, and G. B. Sinclair, Winthrop, Mass., assignors to Choralcelo Manufacturing Company. Timbre-controller for electrical musical instruments. No. 1,110,012; Sept. 8; Gaz. vol. 206; p. 449.
- Severy, Melvin L., Arlington Heights, and G. B. Sinclair, Boston, Mass. Pulsation-producing device for electrical musical instruments. No. 1,111,866; Sept. 29; Gaz. vol. 206; p. 1221.
- Sevey, James A., San Marcos, Tex. Saw-filing machine. No. 1,091,397; Mar. 24; Gaz. vol. 200; p. 1053.
- Sévigé, Henri A., Winthrop, Mass. Package. No. 1,104,739; July 21; Gaz. vol. 204; p. 961.
- Sévigé, Henri A., Winthrop, Mass. Appliance for sealing wrapped packages. No. 1,104,740; July 21; Gaz. vol. 204; p. 961.
- Sévigé, Henri A., Nashua, N. H., assignor of one-half to B. A. Ball, Boston, Mass. Bread-wrapping machine. No. 1,117,260; Nov. 17; Gaz. vol. 208; p. 703.
- Sevison, Luther E. (See Sevison, Luther J. and L. E.)
- Sevison, Luther J. and L. E., Elkhart, Ind. Magneto. No. 1,088,736; Mar. 3; Gaz. vol. 200; p. 23.
- Sewage & Garbage Power Co. (See Matlack, Albert F., assignor.)
- Sewall, James H., Keene, N. H. Belt-tightener. No. 1,108,085; Aug. 18; Gaz. vol. 205; p. 967.
- Sewall, Minott W., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler setting. No. 1,090,947; Mar. 24; Gaz. vol. 200; p. 901.
- Sewall, Minott W., Roselle, D. S. Jacobus, Jersey City, N. J., and G. E. Palmer, Chicago, Ill., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. No. 1,094,754; Apr. 28; Gaz. vol. 201; p. 1032.
- Seward, Ernest R. (See Pearson and Seward.)
- Seward, George O. (See Kügelgen, Bidder, and Seward.)
- Seward, George O. (See Kügelgen and Seward.)
- Seward, George O., East Orange, N. J., and F. von Kügelgen, Holcombs Rock, Va., assignors to Virginia Laboratory Company, New York, N. Y. Cathode for electrolytic furnaces. No. 1,092,178; Apr. 7; Gaz. vol. 201; p. 18.
- Seward, Joseph W., assignor to Seward Trunk and Bag Company, Petersburg, Va. Trunk-fastener. No. 1,094,867; Apr. 28; Gaz. vol. 201; p. 1071.
- Seward, Robert B. (See Mettler, Casper, assignor.)
- Seward Trunk and Bag Company. (See Seward, Joseph W., assignor.)
- Sewell, Benjamin F. B., Washington, D. C. Apparatus for scrubbing or similarly treating liquids and gases. No. 1,108,853; Aug. 25; Gaz. vol. 205; p. 1280.
- Sewell, Charles T., Newnan, Ga. Adjusting device for plow-fenders. No. 1,096,322; May 12; Gaz. vol. 202; p. 429.
- Sewell, John T., Philadelphia, Pa. Odorless cooker. No. 1,094,936; Apr. 28; Gaz. vol. 201; p. 1094.
- Sewell, Jonathan, Anaconda, Mont. Packing composition. No. 1,103,441; July 14; Gaz. vol. 204; p. 469.
- Sewell, William N., Winchester, Ky. Metallic railway-tie. No. 1,113,841; Oct. 13; Gaz. vol. 207; p. 543.
- Sexton, George L., Waukesha, Wis., assignor to The Badger Concrete Mixer and Machinery Co. Portable concrete-mixer. No. 1,108,523; Aug. 25; Gaz. vol. 205; p. 1167.
- Sexton, Isaac E., West Medford, Mass. Sheet-metal can. No. 1,107,854; Aug. 18; Gaz. vol. 205; p. 887.
- Sexton, James P., assignor to L. Peters and G. L. Morris, Los Angeles, Cal. Plaster-lath. No. 1,115,593; Nov. 3; Gaz. vol. 208; p. 43.

Alphabetical list of patentees—Continued.

- Sexton, Whitson M., Knoxville, Tenn. Skid. No. 1,098,179; May 26; Gaz. vol. 202; p. 1159.
- Sexton, William A., Medford, Mass. Jacketed can. No. 1,122,431; Dec. 29; Gaz. vol. 209; p. 1385.
- Sexton, William J., New Sharon, Iowa. Stovepipe cleaner and damper. No. 1,085,304; Jan. 27; Gaz. vol. 198; p. 781.
- Seyb, Theodore, Richmond, Iowa. Back-pad tree. No. 1,097,992; May 26; Gaz. vol. 202; p. 1096.
- Seybold, Charles, Dayton, Ohio. Paper-cutting machine. No. 1,100,000; June 16; Gaz. vol. 203; p. 639.
- Seydel, Eugen. (See Fritz, Raymond, assignor.)
- Seyler, Charles L., Academy, W. Va. Railway-tie. No. 1,102,693; July 7; Gaz. vol. 204; p. 164.
- Seymour, Charles R., assignor to M. D. Knowlton Company, Rochester, N. Y. Scoring-machine. No. 1,098,689; June 2; Gaz. vol. 203; p. 114.
- Seymour, Charles W., Christchurch, New Zealand. Apparatus for casting metals and the like. No. 1,101,816; June 30; Gaz. vol. 203; p. 1370.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,100,497; June 16; Gaz. vol. 203; p. 811.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Means of attaching work-supports of sewing-machines. No. 1,110,237; Sept. 8; Gaz. vol. 206; p. 531.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Chain-severing device for sewing-machines. No. 1,114,542; Oct. 20; Gaz. vol. 207; p. 830.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Chain-severing device for sewing-machines. No. 1,118,589; Nov. 24; Gaz. vol. 208; p. 1211.
- Seymour, Edward C., Detroit, Mich. Paper-guide for printing-presses. No. 1,098,058; May 26; Gaz. vol. 202; p. 1118.
- Seymour, George E., Newcastle-upon-Tyne, England. Gearing. No. 1,107,454; Aug. 18; Gaz. vol. 205; p. 746.
- Seymour, James A., Auburn, N. Y. Valve-gear. No. 1,111,327; Sept. 22; Gaz. vol. 206; p. 995.
- Seymour, Ralph C., Larchmont, assignor to R. Hoe and Co., New York, N. Y. Rotary sheet-printing machine. No. 1,095,527; May 5; Gaz. vol. 202; p. 122.
- Seys, Abraham J. (See Whittemore, James A., assignor.)
- Sgarlata, Assunta, Milwaukee, Wis. Clothes-draining attachment for washboilers. No. 1,090,756; Mar. 17; Gaz. vol. 200; p. 802.
- Shabley, Charles, assignor of one-half to A. T. Thompson, Leavenworth, Kans. Manure-spreader. No. 1,088,842; Mar. 3; Gaz. vol. 200; p. 58.
- Shackelford, Jouel M., Ashland, Ky. Sash-lock. No. 1,122,035; Dec. 22; Gaz. vol. 209; p. 1213.
- Shackleton, Herbert, Malsis Mount, Keighley, England. Spinning, twisting, and analogous machine. No. 1,090,757; Mar. 17; Gaz. vol. 200; p. 803.
- Shackleton, Sugden, Malsis Mount, Keighley, England. Doffing mechanism. No. 1,090,758; Mar. 17; Gaz. vol. 200; p. 803.
- Shadbolt, William O., New York, N. Y. Fifth-wheel for vehicles. No. 1,099,152; June 2; Gaz. vol. 203; p. 266.
- Shadbolt, William O., New York, N. Y. Truck. No. 1,116,502; Nov. 10; Gaz. vol. 208; p. 396.
- Shaddock, Willis J., Lyons, assignor of one-half to F. W. Leedham, Clinton, Iowa. Collapsible flower-stand. No. 1,095,238; May 5; Gaz. vol. 202; p. 22.
- Shade, Herbert F., Victoria, British Columbia, Canada. Plumbing-testing appliance. No. 1,088,459; Feb. 24; Gaz. vol. 199; p. 1141.
- Shafer, Elmer E., Benton county, Iowa. Rotary valve for engines. No. 1,091,541; Mar. 31; Gaz. vol. 200; p. 1147.
- Shaffer, Benjamin L., Weldon, Ill. Feed-table for baling-presses. No. 1,097,193; May 19; Gaz. vol. 202; p. 770.
- Shaffer, George B., Los Angeles, Cal. Cabinet for phonograph-records. No. 1,100,401; June 16; Gaz. vol. 203; p. 780.
- Shaffer, George H., Homestead, assignor of one-half to C. L. Brinton, Pittsburgh, Pa. Gaging device. No. 1,096,271; May 12; Gaz. vol. 202; p. 411.
- Shaffer, Gustov C. (See Dinger and Shaffer.)
- Shaffer, Gustov C., Chicago, Ill. Dumping freight-car. No. 1,093,734; Apr. 21; Gaz. vol. 201; p. 626.
- Shaffer, Homer J., Columbia City, Ind. Water-motor. No. 1,087,190; Feb. 17; Gaz. vol. 199; p. 654.
- Shaffer, Howard E. (See Schieb and Shaffer.)
- Shaffert, Henry, East Pittsburgh, Pa. Trolley. No. 1,090,657; Mar. 17; Gaz. vol. 200; p. 773.
- Shaft, Willis S., Faribault, Minn. Stitch-down shoe. No. 1,088,244; Feb. 24; Gaz. vol. 199; p. 1069.
- Shaftless Speedometer Company. (See Frank, Vincent, assignor.)
- Shailer, Percy H., Sydney, New South Wales, Australia. Resilient vehicle-wheel. No. 1,083,864; Jan. 6; Gaz. vol. 198; p. 197.
- Shailor, Frank E. (See Kuhn and Shailor.)
- Shailor, Frank E., Pittsfield, Mass. assignor to General Electric Company. Electric flat-iron. No. 1,102,300; July 7; Gaz. vol. 204; p. 27.
- Shaine, Joseph. (See Vandyke, Donald J., assignor.)
- Shakespeare, William, Jr., and W. Schmid, assignors to William Shakespeare, Jr., Company, Kalamazoo, Mich. Carbureter. No. 1,107,713; Aug. 18; Gaz. vol. 205; p. 838.
- Shakley, Samuel D., assignor of one-half to F. C. Hockett, Cleveland, Ohio. Engine. No. 1,120,248; Dec. 8; Gaz. vol. 209; p. 501.
- Shakofsky, Kopel, Brooklyn, N. Y. Garment. No. 1,084,970; Jan. 20; Gaz. vol. 198; p. 628.
- Shallbetter, Benedict W., and W. T. Abrams, Minneapolis, Minn. Ink-fountain for printing-presses. No. 1,105,850; Aug. 4; Gaz. vol. 205; p. 92.
- Shallcross, Eugene H. (See Riggs, Harry, assignor.)
- Shallcross, Wyatt. (See Whittemore, Allan P., assignor.)
- Shallenberger, John W., Canal Fulton, Ohio. Securing device for miners' drills. No. 1,115,594; Nov. 3; Gaz. vol. 208; p. 43.
- Shaller, Harry J. (See Hoss, Charles, assignor.)
- Shamroy, Nicholas J., New York, N. Y. Vending-machine. No. 1,105,708; Aug. 4; Gaz. vol. 205; p. 43.
- Shanahan, Thomas B., Manlius, N. Y. Trolley-pole retriever. No. 1,084,172; Jan. 13; Gaz. vol. 198; p. 333.
- Shanahan, Thomas B., Manlius, N. Y. Trolley-pole retriever. No. 1,119,887; Dec. 8; Gaz. vol. 209; p. 375.
- Shand, James, assignor to Joseph N. Smith & Company, Detroit, Mich. Latch. No. 1,091,398; Mar. 24; Gaz. vol. 200; p. 1053.
- Shane, George H., assignor to The Steel Railway Tie and Appliance Company, Denver, Colo. Railway-tie and rail-chair. No. 1,106,415; Aug. 11; Gaz. vol. 205; p. 330.
- Shane, Isaac E. (See Hirsch and Shane.)
- Shaner, David P., Mount Healthy, Ohio. Automobile radiator-cap attachment. No. 1,090,573; Mar. 17; Gaz. vol. 200; p. 744.
- Shanks, Edward B., Springwood, Va. Advertising device. No. 1,090,172; Mar. 17; Gaz. vol. 200; p. 603.
- Shanks, Harrie B., *et al.* (See Schencks, George W., assignor.)
- Shanks, James H., *et al.* (See Schencks, George W., assignor.)
- Shanks, John, Barrhead, Scotland. Combined valve and siphon. No. 1,090,885; Mar. 24; Gaz. vol. 200; p. 880.
- Shanks, John, Barrhead, Scotland. Waste and overflow fitting. No. 1,098,593; June 2; Gaz. vol. 203; p. 82.
- Shanley, Francis E. (See Dixon and Shanley.)
- Shannen Refrigerator and Butcher Supply Co. (See Reid, Remer R., assignor.)
- Shannon, John, Stonington, Conn. Valve cutting and re-seating mechanism. No. 1,099,316; June 9; Gaz. vol. 203; p. 367.
- Shannon, John H. B. (See Danielsen, Haase, and Shannon.)
- Shannon, John H. B., Newark, N. J., assignor to Disinfectant and Utilities Corporation. Automatic spraying device. No. 1,122,544; Dec. 29; Gaz. vol. 209; p. 1424.
- Shannon, John J., assignor of one-third to J. P. Dovel, Birmingham, Ala. Air-cooled blast-furnace stack. No. 1,090,574; Mar. 17; Gaz. vol. 200; p. 745.
- Shannon, Nicholas, Collinsville, assignor to Link Belt Company, Chicago, Ill. Coal-washer. No. 1,100,921; June 23; Gaz. vol. 203; p. 1011.
- Shannon, Oscar M., New York, N. Y., assignor to National Incinerator Company. Incinerator. No. 1,096,568; May 12; Gaz. vol. 202; p. 510.
- Shannon, Robert L., Ripley, Miss. Thermostatic circuit-closer. No. 1,092,754; Apr. 7; Gaz. vol. 201; p. 217.
- Shannon, William, East Cleveland, Ohio. Vise. No. 1,090,575; Mar. 17; Gaz. vol. 200; p. 745.
- Shannon, Woodford, Louisville, Ky. Spring-bed. No. 1,089,976; Mar. 10; Gaz. vol. 200; p. 494.
- Shantz, Edgar, Rochester, N. Y. Button-making machine. No. 1,107,629; Aug. 18; Gaz. vol. 205; p. 808.
- Shantz, Edgar, Rochester, N. Y. Button. No. 1,110,462; Sept. 15; Gaz. vol. 206; p. 652.
- Shapiro, Abraham, Minneapolis, Minn. Insect-trap attachment for garbage-cans. No. 1,114,191; Oct. 20; Gaz. vol. 207; p. 705.
- Shapiro, Charles H., assignor of one-half to M. F. Brady, D. N. Mosessohn, W. S. Smallwood, M. Mosessohn, T. W. Younger, and W. J. Zimmerman, Portland, Oreg. Hand-saw. No. 1,085,499; Jan. 27; Gaz. vol. 198; p. 845.
- Shapiro, Isidore, Chicago, Ill. Rubber sole. No. 1,118,954; Dec. 1; Gaz. vol. 209; p. 17.
- Shapiro, Samuel, Philadelphia, Pa. Closure. No. 1,093,735; Apr. 21; Gaz. vol. 201; p. 626.
- Shapiro, Samuel, Philadelphia, Pa. Refrigerating-cover for milk-cans. No. 1,097,774; May 26; Gaz. vol. 202; p. 1017.
- Shapiro, Samuel, Philadelphia, Pa. Apparatus for pasteurizing and cooling milk. No. 1,108,404; Aug. 25; Gaz. vol. 205; p. 1126.
- Sharkey, Albert G., New York, N. Y. Carousel. No. 1,104,145; July 21; Gaz. vol. 204; p. 755.
- Sharkey, Charles, Seattle, Wash. Slack-pulling device for cableway-carriages. No. 1,085,827; Feb. 3; Gaz. vol. 199; p. 89.
- Sharkey, William C., assignor to C. A. Goslin, Philadelphia, Pa. Vending-machine. No. 1,112,333; Sept. 29; Gaz. vol. 206; p. 1379.
- Sharlow Bros. Co. (See Sharlow, Charles E., assignor.)

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- Sharlow, Charles E., Union Hill, N. J. Film-reel for moving-picture machines. No. 1,118,689; Nov. 24; Gaz. vol. 208; p. 1245.
- Sharlow, Charles E., Union Hill, N. J., assignor to Sharlow Bros. Co., New York, N. Y. Lantern-slide carrier. No. 1,108,256; Aug. 25; Gaz. vol. 205; p. 1075.
- Sharp, Alfred G., Los Angeles, Cal. Garbage-collecting vehicle. No. 1,088,104; Feb. 24; Gaz. vol. 199; p. 1022.
- Sharp, Alonzo G., assignor to The E. M. Hulse Company, Columbus, Ohio. Sofa or davenport bed. No. 1,121,298; Dec. 15; Gaz. vol. 209; p. 918.
- Sharp, Archibald, London, England. Pneumatic spring. No. 1,107,714; Aug. 18; Gaz. vol. 205; p. 839.
- Sharp-Bassett Gas Producer Company. (See Bassett, Alvin J., assignor.)
- Sharp, Bernal H., Woodland, Cal. Cream and milk cooler. No. 1,101,340; June 23; Gaz. vol. 203; p. 1155.
- Sharp, Charles, Dubuque, Iowa. Last and stand for holding lasts. No. 1,120,164; Dec. 8; Gaz. vol. 209; p. 472.
- Sharp, Charles S., Auburn, N. Y., assignor to International Harvester Company of New Jersey. Draft connection. No. 1,109,875; Sept. 8; Gaz. vol. 206; p. 400.
- Sharp and Dohme. (See Robertson, William P., assignor.)
- Sharp and Dohme. (See Winchester, Benjamin T., assignor.)
- Sharp, George R., Larned, Kans. Envelop for circular-letters. No. 1,108,257; Aug. 25; Gaz. vol. 205; p. 1075.
- Sharp, Herbert D., Sandusky, Ohio. Tool for redressing valve-seats. No. 1,101,888; June 30; Gaz. vol. 203; p. 1395.
- Sharp, James A., Springfield, Ohio, assignor to International Harvester Company. Grain-binder. No. 1,113,697; Oct. 13; Gaz. vol. 207; p. 491.
- Sharp, John C., Chattanooga, Tenn. Bushing for trolley-wheels, pulleys, &c. No. 1,113,143; Oct. 6; Gaz. vol. 207; p. 252.
- Sharp, John C., Chattanooga, Tenn. Trolley-wheel. No. 1,113,913; Oct. 13; Gaz. vol. 207; p. 567.
- Sharp, Joseph W., Jr., assignor to Haines, Jones & Cadbury Inc., Philadelphia, Pa. Water-closet. No. 1,110,831; Sept. 15; Gaz. vol. 206; p. 780.
- Sharp, Joseph W., Jr., assignor to Haines, Jones & Cadbury Inc., Philadelphia, Pa. Water-closet. No. 1,110,992; Sept. 15; Gaz. vol. 206; p. 835.
- Sharp, Joseph W., Jr., Berwyn, and A. E. Bacon, Germantown, Pa., assignors to Haines, Jones & Cadbury, Incorporated. Bath-trap. No. 1,118,955; Dec. 1; Gaz. vol. 209; p. 17.
- Sharp, Lee C., Plattsmouth, Nebr., assignor to American Can Company, New York, N. Y. Can-head-seaming machine. No. 1,094,937; Apr. 28; Gaz. vol. 201; p. 1094.
- Sharp, Lee C., Plattsmouth, Nebr., assignor to American Can Company, New York, N. Y. Can-heading machine. No. 1,094,938; Apr. 28; Gaz. vol. 201; p. 1095.
- Sharp, Lee C., Plattsmouth, Nebr., assignor to American Can Company, New York, N. Y. Machine for performing operations on the ends of can-bodies. No. 1,104,559; July 21; Gaz. vol. 204; p. 901.
- Sharp, Lee C., Plattsmouth, Nebr., assignor to American Can Company, New York, N. Y. Machine for flanging the ends of can-bodies. No. 1,118,590; Nov. 24; Gaz. vol. 208; p. 1211.
- Sharp, Newton, Jonesboro, Ark. Crutch. No. 1,088,630; Feb. 24; Gaz. vol. 199; p. 1196.
- Sharp, Noah T., Ludlow, Ky., assignor of one-half to A. Houck, Cincinnati, Ohio. Resilient vehicle-wheel. No. 1,092,755; Apr. 7; Gaz. vol. 201; p. 217.
- Sharp & Smith. (See Christiansen, William F., assignor.)
- Sharp & Smith. (See Clare, Charles E., assignor.)
- Sharp, William E., assignor of one-half to G. B. Robbins, Chicago, Ill. Fastening device. No. 1,088,105; Feb. 24; Gaz. vol. 199; p. 1022.
- Sharp, William E., Chicago, assignor of one-half to G. B. Robbins, Hinsdale, Ill. Refrigerator-car. No. 1,116,937; Nov. 10; Gaz. vol. 208; p. 551.
- Sharp, William E., assignor to Alcohol Heating & Lighting Company, Chicago, Ill. Burner. No. 1,101,099; June 23; Gaz. vol. 203; p. 1078.
- Sharpe, Frederick H., county of Lancaster, England. Manufacture of white lead. No. 1,088,460; Feb. 24; Gaz. vol. 199; p. 1141.
- Sharples, John D., and T. Crowe, assignors of one-third to F. B. Ricketson, Taftville, Conn. Bobbin-stripping machine. No. 1,119,993; Dec. 8; Gaz. vol. 209; p. 412.
- Sharpnack, Matthew C., Prescott, Ariz. Safety-razor. No. 1,089,726; Mar. 10; Gaz. vol. 200; p. 408.
- Sharpnack, Matthew C., Prescott, Ariz. Safety-razor. No. 1,089,727; Mar. 10; Gaz. vol. 200; p. 409.
- Sharpneck, Eliel L., Winthrop, Mass. Brush. No. 1,107,715; Aug. 18; Gaz. vol. 205; p. 839.
- Sharpneck, Eliel L., Winthrop, Mass., assignor to Anti-Friction Roller Bearing Company. Car-axle box. No. 1,100,402; June 16; Gaz. vol. 203; p. 780.
- Sharpneck, Eliel L., Winthrop, Mass., assignor to Anti-Friction Roller Bearing Company. Lubricating journal-box. No. 1,100,403; June 16; Gaz. vol. 203; p. 780.
- Sharpneck, Frank A. (See Gilliland and Sharpneck.)
- Sharpneck, Frank A., Chicago, Ill., assignor to The Wizard Manufacturing Company of Michigan, St. Joseph, Mich. Carbureter. No. 1,096,569; May 12; Gaz. vol. 202; p. 511.
- Sharrer, Jacob M., assignor to Sharrer Patent Top Company, Inc., New York, N. Y. Folding top for vehicles. No. 1,086,733; Feb. 10; Gaz. vol. 199; p. 448.
- Sharrer Patent Top Company. (See Sharrer, Jacob M., assignor.)
- Sharrock, William, Beverly, Mass. Paint-pail. No. 1,121,299; Dec. 15; Gaz. vol. 209; p. 919.
- Shartle, Charles W., Middletown, Ohio. Pulp-reducing apparatus. No. 1,091,899; Mar. 31; Gaz. vol. 200; p. 1270.
- Shasberger, William, *et al.* (See Kelly, Albert F., assignor.)
- Shattuck, Edwin H., Granby, Conn. Internal-combustion engine. No. 1,108,010; Aug. 18; Gaz. vol. 205; p. 941.
- Shattuck, Ira H., Hollywood, Cal. Towel-cabinet. No. 1,092,405; Apr. 7; Gaz. vol. 201; p. 97.
- Shatzer, Norman C., Zullinger, Pa. Toy bank. No. 1,121,049; Dec. 15; Gaz. vol. 209; p. 832.
- Shaughnessy Knitting Company. (See Shaughnessy, Martin J., assignor.)
- Shaughnessy, Martin J., assignor to Shaughnessy Knitting Company, Watertown, N. Y. Combination-garment. No. 1,119,994; Dec. 8; Gaz. vol. 209; p. 412.
- Shaughnessy, William F., New York, N. Y. Heating device. No. 1,097,681; May 26; Gaz. vol. 202; p. 983.
- Shaules, John J., and B. J. Miller, St. Paul, Minn. Saw-vise. No. 1,084,824; Jan. 20; Gaz. vol. 198; p. 580.
- Shave, Robert, Shepparton, and F. T. Pullar, Ardmona, Victoria, Australia. Rope-bearer grip for use in securing loads on vehicles. No. 1,095,679; May 5; Gaz. vol. 202; p. 173.
- Shaver, Archie G. (See Bodde, Theodore, assignor.)
- Shaver, Charles O., Chicago, Ill. Automobile-indicator. No. 1,098,847; June 2; Gaz. vol. 203; p. 166.
- Shaver, Elmer C., New York, N. Y., assignor of one-half to H. V. Piaget, Montclair, N. J. Bag-fastener. No. 1,092,955; Apr. 14; Gaz. vol. 201; p. 320.
- Shaver, Newton, Cleveland, Ohio. Traction-wheel. No. 1,116,503; Nov. 10; Gaz. vol. 208; p. 396.
- Shaw, Al B., West Medford, Mass. Gas-burner. No. 1,115,595; Nov. 3; Gaz. vol. 208; p. 43.
- Shaw, Allan D., Savanna, Ill. Internal-combustion engine. No. 1,097,947; May 26; Gaz. vol. 202; p. 1079.
- Shaw, Amos D. (See Shaw, Josephine H. and A. D.)
- Shaw, Andrew M., *et al.* (See Lancaster, Charles F., assignor.)
- Shaw, Bert L. (See Martinson, Martin, assignor.)
- Shaw, Bruce A., Oak Park, Ill. Trap. No. 1,089,975; Mar. 10; Gaz. vol. 200; p. 494.
- Shaw, Bruce A., Oak Park, Ill. Piston for pneumatic smokers. No. 1,112,334; Sept. 29; Gaz. vol. 206; p. 1380.
- Shaw, Charles P., Detroit, Mich. Film-burster. No. 1,102,807; July 7; Gaz. vol. 204; p. 205.
- Shaw, David C., and J. F. McGilivray, South Chicago, Ill. Shock-absorber. No. 1,097,194; May 19; Gaz. vol. 202; p. 770.
- Shaw, Edward C., Portsmouth, N. H. Metallic railway-tie. No. 1,091,088; Mar. 24; Gaz. vol. 200; p. 951.
- Shaw, Edwin C., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company. Vehicle wheel-rim. No. 1,087,467; Feb. 17; Gaz. vol. 199; p. 754.
- Shaw, Edwin C., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company. Vehicle wheel-rim. No. 1,088,843; Mar. 3; Gaz. vol. 200; p. 58.
- Shaw, Frances D., Chicago, Ill., assignor to Shaw Kiln Company, Atlanta, Ga. Apparatus for generating gas. No. 1,098,412; June 2; Gaz. vol. 203; p. 19.
- Shaw, Fred, Middleton, and J. Dutton, Hale, England. Apparatus for raising pile fabrics. No. 1,096,062; May 12; Gaz. vol. 202; p. 339.
- Shaw, James, Lodi, Cal. Aerating fuel-pump for explosive-motors. No. 1,119,323; Dec. 1; Gaz. vol. 209; p. 145.
- Shaw, James, Elk Grove, Cal. Taper-boring tool. No. 1,123,145; Dec. 29; Gaz. vol. 209; p. 1637.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,085,828; Feb. 3; Gaz. vol. 199; p. 89.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,089,977; Mar. 10; Gaz. vol. 200; p. 495.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Game-trap. No. 1,090,576; Mar. 17; Gaz. vol. 200; p. 746.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Cylinder-lock. No. 1,115,744; Nov. 3; Gaz. vol. 208; p. 94.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Joint for take-down squares. No. 1,121,766; Dec. 22; Gaz. vol. 209; p. 1117.
- Shaw, Josephine H. and A. D., Salina, Kans. Washing-machine. No. 1,096,867; May 19; Gaz. vol. 202; p. 655.
- Shaw, Juan D., Buenos Aires, Argentina. Four-stroke-cycle engine. No. 1,104,075; July 21; Gaz. vol. 204; p. 732.
- Shaw Kiln Company. (See Shaw, Frances D., assignor.)
- Shaw, Linus H., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-building machine. No. 1,119,888; Dec. 8; Gaz. vol. 200; p. 375.
- Shaw, Oliver G. (See Sheeler and Shaw.)

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- Shaw, Robert E., Whatley, Ala. Machine for catching boll-weevil cotton-squares. No. 1,091,970; Mar. 31; Gaz. vol. 200; p. 1294.
- Shaw, Thomas. (See Jewett and Shaw.)
- Shaw, Thomas, Padiham, England. Reed-relief motion for looms for weaving. No. 1,098,984; June 2; Gaz. vol. 203; p. 212.
- Shaw, Thomas, Hackensack, N. J., assignor to American Telephone and Telegraph Company. Means for reducing reflection losses in duplex circuits. No. 1,092,956; Apr. 14; Gaz. vol. 201; p. 321.
- Shaw, Thomas, Hackensack, N. J., assignor to American Telephone and Telegraph Company. Means for reducing reflection losses in phantom circuits. No. 1,092,957; Apr. 14; Gaz. vol. 201; p. 321.
- Shaw-Walker Company, The. (See Wagner, Chester I., assignor.)
- Shaw-Walker Company, The. (See Wilson, Charles E., assignor.)
- Shaw, Walter P. (See Baker, John, Jr., assignor.)
- Shaw, Walter R., Bradford, Pa. Automatic air-brake-operating mechanism for railway-trains. No. 1,116,136; Nov. 3; Gaz. vol. 208; p. 229.
- Shaw, William, Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Pigtail connection. No. 1,122,432; Dec. 29; Gaz. vol. 209; p. 1385.
- Shaw, William E., Voorheesville, N. Y. Indicator for carbide-receptacles and the like. No. 1,119,545; Dec. 1; Gaz. vol. 209; p. 223.
- Shawcross, Henry L., New Brighton, England. Making negative or positive plates. No. 1,090,886; Mar. 24; Gaz. vol. 200; p. 880.
- Shay, Ralph R., Park Ridge, and M. C. Stoelting, Chicago, Ill. Galvanometer. No. 1,085,637; Feb. 3; Gaz. vol. 199; p. 20.
- Shayer, Joseph A., Harrisville, R. I. Harness-actuating mechanism. No. 1,122,650; Dec. 29; Gaz. vol. 209; p. 1462.
- Shayer, Joseph A., Harrisville, and G. A. Metcalf, Woonsocket, R. I. Harness-actuating mechanism for looms. No. 1,088,666; Feb. 24; Gaz. vol. 199; p. 1208.
- Shea, Andrew J., Duluth, Minn. Dumping-box. No. 1,083,637; Jan. 6; Gaz. vol. 198; p. 125.
- Shea, Francis A. (See Sethman, Andrew O., assignor.)
- Shea, Howard J., Burnham, Pa. Buckle for tie-straps. No. 1,100,330; June 16; Gaz. vol. 203; p. 754.
- Shea, John A., Wilkes-Barre, Pa. Garment-hanger. No. 1,115,116; Oct. 27; Gaz. vol. 207; p. 1085.
- Shea, Patrick H., Lawrence, Mass. Fire-escape. No. 1,121,142; Dec. 15; Gaz. vol. 209; p. 867.
- Shea, William F., et al. (See Harrison, John, assignor.)
- Shea, William T., and F. Manley, Silverton, Colo. Wheel for vehicles. No. 1,113,583; Oct. 13; Gaz. vol. 207; p. 452.
- Sheaffer, James E., Burnham, Pa. Pouring-nozzle for ladles. No. 1,099,769; June 9; Gaz. vol. 203; p. 522.
- Sheaffer, James E., Burnham, Pa. Coating steel or iron with copper. No. 1,115,870; Nov. 3; Gaz. vol. 208; p. 137.
- Sheaffer, Walter A., Fort Madison, Iowa. Pen-clip. No. 1,085,174; Jan. 27; Gaz. vol. 198; p. 735.
- Sheaffer, Walter A., Fort Madison, Iowa. Fountain-pen. No. 1,114,052; Oct. 20; Gaz. vol. 207; p. 654.
- Sheaffer, Walter A., Fort Madison, Iowa. Attachment for fountain-pens. No. 1,118,240; Nov. 24; Gaz. vol. 208; p. 1085.
- Sheahan, James H., Freeport, Ill. Water-motor. No. 1,111,722; Sept. 22; Gaz. vol. 206; p. 1132.
- Sheahan, John F., assignor to Parlin & Orendorff Company, Canton, Ill. Plow. No. 1,120,856; Dec. 15; Gaz. vol. 209; p. 764.
- Sheahan, William, Oregon City, Oreg. Drier-rolls for paper-machines. No. 1,104,759; July 21; Gaz. vol. 204; p. 968.
- Sheahan, William, Oregon City, Oreg. Clutch for paper-spools. No. 1,110,651; Sept. 15; Gaz. vol. 206; p. 717.
- Sheahan, William, Oregon City, Oreg. Clutch for spools of paper-rolls. No. 1,123,146; Dec. 29; Gaz. vol. 209; p. 1637.
- Shean, George C. C., and L. Schmelz, Buffalo, N. Y. Candy-pulling machine. No. 1,112,569; Oct. 6; Gaz. vol. 207; p. 56.
- Sheard, Joseph L., and E. E. Dutton, Fallsdale, Pa. Hydrocarbon blow-torch. No. 1,092,756; Apr. 7; Gaz. vol. 201; p. 217.
- Shearer, Harry T., Waynesboro, Pa. Grinding-machine. No. 1,113,914; Oct. 13; Gaz. vol. 207; p. 567.
- Shearer, Harry T., assignor to Landis Tool Company, Waynesboro, Pa. Grinding-machine. No. 1,087,072; Feb. 10; Gaz. vol. 199; p. 562.
- Shearer, Harry T., assignor to Landis Tool Company, Waynesboro, Pa. Cam-grinder attachment for grinding-machines. No. 1,115,596; Nov. 3; Gaz. vol. 208; p. 43.
- Shearer, Leslie J. (See Cloke and Shearer.)
- Shearer, William J. (See Schaeffer and Shearer.)
- Sheasley, Charles H. (See Amon, Clement E., assignor.)
- Sheather, Percival B. (See Bryan and Sheather.)
- Sheble, Horace, Philadelphia, Pa. Sound-box for talking-machines. No. 1,102,090; June 30; Gaz. vol. 203; p. 1468.
- Shedd, Harry M., Roselle, N. J., assignor to D. A. Marks, New York, N. Y. Electric circuit and motor. No. 1,103,693; July 14; Gaz. vol. 204; p. 561.
- Shedd, Hugh E., Minneapolis, Minn. Changeable exhibitor. No. 1,088,461; Feb. 24; Gaz. vol. 199; p. 1142.
- Shedlock, Alfred, Cannon Station, Conn. Wrench. No. 1,117,710; Nov. 17; Gaz. vol. 208; p. 863.
- Sheedy, Daniel M., Poughkeepsie, N. Y. Auxiliary air-inlet and primer for internal-combustion engines. No. 1,111,620; Sept. 22; Gaz. vol. 206; p. 1096.
- Sheedy, Patrick, et al. (See Neville, Harry, assignor.)
- Sheehan, John, and G. H. Gilman, Buffalo, N. Y. Self-propelled freight-truck. No. 1,113,584; Oct. 13; Gaz. vol. 207; p. 452.
- Sheehan, John, and G. H. Gilman, Buffalo, N. Y. Freight-handling device. No. 1,118,817; Nov. 24; Gaz. vol. 208; p. 1287.
- Sheehan, Lillian M., et al., administrators. (See Meserole, Milton D., assignor.)
- Sheehan, Owen, New Bedford, assignor to The Hollingsworth and Vose Company, Boston, Mass. Fiber-decorating machine. No. 1,085,228; Jan. 27; Gaz. vol. 198; p. 753.
- Sheehan, Owen, New Bedford, assignor to Hollingsworth and Vose Company, Boston, Mass. Machine for decortiating fibrous substances. No. 1,098,180; May 26; Gaz. vol. 202; p. 1159.
- Sheehan, Thomas C., Caldwell, N. J., assignor to Durham Duplex Razor Company, New York, N. Y. Razor. No. 1,088,183; Feb. 24; Gaz. vol. 199; p. 1048.
- Sheehan, Thomas C., Jersey City, N. J., assignor to Durham Duplex Razor Company, New York, N. Y. Honing-machine. No. 1,090,577; Mar. 17; Gaz. vol. 200; p. 747.
- Sheehan, Thomas C., Jersey City, N. J., assignor, by mesne assignments, to American High Speed Press Company, New York, N. Y. Printing-machine. No. 1,123,021; Dec. 29; Gaz. vol. 209; p. 1593.
- Sheehan, Thomas C., Essex Fells, N. J., assignor, by mesne assignments, to American High Speed Press Company, New York, N. Y. Stripper-operating mechanism. No. 1,123,022; Dec. 29; Gaz. vol. 209; p. 1593.
- Sheehan, Thomas C., Essex Fells, N. J., assignor, by mesne assignments, to American High Speed Press Company, New York, N. Y. Gripper mechanism for printing-presses. No. 1,123,023; Dec. 29; Gaz. vol. 209; p. 1593.
- Sheehan, Thomas C., Essex Fells, N. J., assignor, by mesne assignments, to American High Speed Press Company, New York, N. Y. Delivery mechanism. No. 1,123,024; Dec. 29; Gaz. vol. 209; p. 1594.
- Sheehan, Thomas C., Essex Fells, N. J., assignor, by mesne assignments, to American High Speed Press Company, New York, N. Y. Stop-motion device. No. 1,123,025; Dec. 29; Gaz. vol. 209; p. 1594.
- Sheehan, William M., assignor to Commonwealth Steel Company, St. Louis, Mo. Locomotive-frame. No. 1,114,192; Oct. 20; Gaz. vol. 207; p. 706.
- Sheehan, William M., assignor to Commonwealth Steel Company, St. Louis, Mo. Locomotive-frame. No. 1,114,193; Oct. 20; Gaz. vol. 207; p. 706.
- Sheehy, Harry W., Akron, Ohio. Can-opener. No. 1,094,172; Apr. 21; Gaz. vol. 201; p. 772.
- Sheehy, William J., Chicago, Ill. Needle-threader. No. 1,087,691; Feb. 17; Gaz. vol. 199; p. 833.
- Sheeler, Leroy D., and O. G. Shaw, Monroe, Iowa. Wire-twister for baling-machines. No. 1,120,093; Dec. 8; Gaz. vol. 209; p. 446.
- Sheeley, Charles C., Harshman, and F. J. Gruenewald, Dayton, Ohio. Woodworking-machine. No. 1,108,854; Aug. 25; Gaz. vol. 205; p. 1281.
- Sheeley, William H., Great Kills, N. Y. Garment-suspender. No. 1,100,498; June 16; Gaz. vol. 203; p. 812.
- Sheen, Daniel R. (See Gates, Isaac N., assignor.)
- Sheet Metal Specialty Company. (See Nafziger, Leo S., assignor.)
- Sheffield Car Company. (See Card, John F., assignor.)
- Sheffield Car Company. (See Cottle, Arthur P., assignor.)
- Sheffield, Edwin J., Cambridge, Mass. Hair-waving device. No. 1,101,100; June 23; Gaz. vol. 203; p. 1073.
- Sheffman, John, New York, N. Y. Machine for treating chocolate masses. No. 1,103,627; July 14; Gaz. vol. 204; p. 536.
- Sheinman, Morris, New York, N. Y. Automatic alarm-lock. No. 1,097,884; May 26; Gaz. vol. 202; p. 1056.
- Shelby, Lafayette, Senath, Mo. Cutting-machine. No. 1,096,961; May 19; Gaz. vol. 202; p. 689.
- Shelby Printing Company, The. (See Gauch and Inscho, assignors.)
- Shelby Steel Tube Company, The. (See Offutt, John W., assignor.)
- Sheldon, Charles E., assignor to The Whitman & Barnes Manufacturing Co., Akron, Ohio. Padded horseshoe. No. 1,100,030; June 16; Gaz. vol. 203; p. 649.
- Sheldon, Clarence O., Calallen, assignor of one-half to W. H. Waterhouse, Texas. Poultry appliance. No. 1,095,471; May 5; Gaz. vol. 202; p. 102.
- Sheldon, Edward P., assignor to R. Hoe and Co., New York, N. Y. Rotary printing-machine. No. 1,087,191; Feb. 17; Gaz. vol. 199; p. 655.

Alphabetical list of patentees—Continued.

- Sheldon, Edward P., assignor to R. Hoe and Co., New York, N. Y. Sheet-printing machine. No. 1,095,528; May 5; Gaz. vol. 202; p. 122.
- Sheldon, Edward P., assignor to R. Hoe and Co., New York, N. Y. Delivery mechanism for folded products. No. 1,118,513; Nov. 24; Gaz. vol. 208; p. 1183.
- Sheldon, Fredric C., New York, N. Y. Index. No. 1,084,665; Jan. 20; Gaz. vol. 198; p. 524.
- Sheldon, Lucian A., Schenectady, N. Y., assignor to General Electric Company. Pitot plug for fluid-meters. No. 1,087,988; Feb. 24; Gaz. vol. 199; p. 981.
- Sheldon, Lucian A., Schenectady, N. Y., assignor to General Electric Company. Fluid-flow meter. No. 1,116,938; Nov. 10; Gaz. vol. 208; p. 552.
- Sheldon, Lucian A., Schenectady, N. Y., assignor to General Electric Company. Flow-meter. No. 1,119,648; Dec. 1; Gaz. vol. 209; p. 257.
- Sheldon, Quincy G., Elburn, Ill. Post-mold. No. 1,111,808; Sept. 29; Gaz. vol. 206; p. 1200.
- Sheldon, Thomas H., Victor, assignor of one-half to F. Herz, Goldfield, Colo. Electrically-controlled air-releasing valve for train-pipes and the like. No. 1,095,935; May 5; Gaz. vol. 202; p. 258.
- Sheldon, William T., Chicago, Ill. Bracket for shower-bath attachments. No. 1,088,462; Feb. 24; Gaz. vol. 199; p. 1142.
- Shellabarger, Claude D., Spokane, Wash. Pump-equalizer. No. 1,109,706; Sept. 8; Gaz. vol. 206; p. 342.
- Shellenberger, John, Rome, Ga. Manufacture of wire-bound receptacles. No. 1,111,809; Sept. 29; Gaz. vol. 206; p. 1200.
- Shelton, Forrest C., Washington, D. C. Tool-operating device. No. 1,116,137; Nov. 3; Gaz. vol. 208; p. 230.
- Shelton, Frank M., assignor of one-half to H. E. Pinnick, Richmond, Ind. Ventilated door. No. 1,107,369; Aug. 18; Gaz. vol. 205; p. 715.
- Shelton, Henry J., St. Louis, Mo. Spacing mechanism for pulverizing-grates. No. 1,085,638; Feb. 3; Gaz. vol. 199; p. 21.
- Shelton, Henry T., F. W. Steere, and C. Power, Bunbury, Western Australia, Australia. Collapsible transport-box. No. 1,104,389; July 21; Gaz. vol. 204; p. 839.
- Shelton, John B., Edson, Alberta, Canada, assignor of one-half to P. David, Tacoma, Wash. Freight or cattle car. No. 1,094,485; Apr. 28; Gaz. vol. 201; p. 936.
- Shelvik, Sivert P., Stoughton, assignor of one-third to T. Lofthus, Madison, Wis. Gearless mowing-machine. No. 1,095,529; May 5; Gaz. vol. 202; p. 123.
- Shenango Manufacturing Company. (See Slick and Nicholson, assignors.)
- Shenango Manufacturing Company, The. (See Whigham, William, assignor.)
- Sheneman, William H. (See Thompson and Henderson, assignors.)
- Shepard, Austin S., San Diego, Cal. Adjustable shade and curtain pole hanger. No. 1,101,573; June 30; Gaz. vol. 203; p. 1287.
- Shepard, Charles H., Brooklyn, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,092,406; Apr. 7; Gaz. vol. 201; p. 97.
- Shepard, Charles H., Jamaica, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,115,871; Nov. 3; Gaz. vol. 208; p. 137.
- Shepard, Chester A., San Francisco, Cal. Automatic base-ball game. No. 1,088,184; Feb. 24; Gaz. vol. 199; p. 1049.
- Shepard, Gilbert F., Dodge City, Kans. Bed cooler or heater. No. 1,089,277; Mar. 3; Gaz. vol. 200; p. 206.
- Shepard, James A., Montour Falls, N. Y. Elevated trackway. No. 1,115,029; Oct. 27; Gaz. vol. 207; p. 1054.
- Shepard, Victor J. (See Austin and Shepard.)
- Shepard, Victor J., assignor to Lima Locomotive Corporation, Lima, Ohio. Radial trailer-truck. No. 1,105,162; July 28; Gaz. vol. 204; p. 1155.
- Shepard, William E., Lincoln, Nebr. Display-cabinet. No. 1,104,711; July 21; Gaz. vol. 204; p. 951.
- Sheperd, William R., Urbana, Ohio. Drying-frame. No. 1,110,080; Sept. 8; Gaz. vol. 206; p. 474.
- Sheperdson, John W., Westmont borough, Pa. Rolling-mill apparatus. No. 1,100,404; June 16; Gaz. vol. 203; p. 780.
- Sheperdson, John W., Harrisburg, Pa. Rolling-mill guide. No. 1,110,463; Sept. 15; Gaz. vol. 206; p. 652.
- Shephard, William A., Waukesha, Wis. Liquid mixing and filling apparatus. No. 1,101,574; June 30; Gaz. vol. 203; p. 1287.
- Shephard, William H., and A. E. McKechnie, London, England. Wireless telegraph or telephone system. No. 1,104,712; July 21; Gaz. vol. 204; p. 951.
- Shephard, William H., and A. E. McKechnie, London, England. Wireless telegraph or telephone system. No. 1,104,746; July 21; Gaz. vol. 204; p. 963.
- Shepherd, James, assignor of one-half to J. J. Ellis, Detroit, Mich. Gas instantaneous water-heater. No. 1,107,370; Aug. 18; Gaz. vol. 205; p. 715.
- Shepherd, Clarence, Bridgetown, Western Australia, Australia. Weight-indicator for loaded vehicles. No. 1,088,463; Feb. 24; Gaz. vol. 199; p. 1142.
- Shepherd, Frank J., Seattle, Wash. Garbage-chute. No. 1,123,210; Dec. 29; Gaz. vol. 209; p. 1661.
- Shepherd, George W., New York, N. Y., assignor to The Butters Patent Vacuum Filter Company, Inc. Dislodging slime cakes. No. 1,096,132; May 12; Gaz. vol. 202; p. 362.
- Shepherd, George W., New York, N. Y., assignor to The Butters Patent Vacuum Filter Company, Inc. Filtering-leaf. No. 1,096,133; May 12; Gaz. vol. 202; p. 362.
- Shepherd, James M., Pavo, Ga. Weed and stalk turning attachment for plows. No. 1,101,717; June 30; Gaz. vol. 203; p. 1335.
- Shepherd, William W., Wilmington, Ohio. Attachment for hitching-straps. No. 1,092,299; Apr. 7; Gaz. vol. 201; p. 62.
- Sheppard, Charles T., Holdenville, Okla. Fence-staple. No. 1,087,264; Feb. 17; Gaz. vol. 199; p. 683.
- Sheppard, James E., Colton, Cal. Sash-lock. No. 1,113,915; Oct. 13; Gaz. vol. 207; p. 567.
- Sheppard, John, assignor of one-half to T. D. Wright and J. I. Rose and one-fourth to E. A. Seeman, Durham, N. C. Switch safety device. No. 1,119,461; Dec. 1; Gaz. vol. 209; p. 193.
- Sheppard, John L., assignor to American High Density Compress Corporation, Charleston, S. C. Apparatus for reshaping and compressing plantation cotton-bales. No. 1,096,397; May 12; Gaz. vol. 202; p. 453.
- Sheppard, John L., assignor to American High Density Compress Corporation, Charleston, S. C. Apparatus for reshaping and compressing plantation cotton-bales. No. 1,096,398; May 12; Gaz. vol. 202; p. 453.
- Sheppard, John L., Charleston, S. C., assignor to American High Density Compress Corporation. Apparatus for reshaping and compressing plantation cotton-bales. No. 1,121,571; Dec. 15; Gaz. vol. 209; p. 1014.
- Sheppard, Sidney R. (See Healey and Sheppard.)
- Sheppard, Wilbur S., Colorado Springs, Colo. Electrical heater. No. 1,099,999; June 16; Gaz. vol. 203; p. 639.
- Sheppard, William. (See Irvin and Sheppard.)
- Sherburne, Charles H. (See Graham, Benjamin J., assignor.)
- Sherburne, Charles H. (See Webster, George A., assignor.)
- Sherer, Henry G., Waukegan, Ill. Hose-coupling. No. 1,112,850; Oct. 6; Gaz. vol. 207; p. 154.
- Sherer, Marion O., Louisville, Ohio. Rolling coaster. No. 1,101,761; June 30; Gaz. vol. 203; p. 1350.
- Sherer, William G., Chicago, Ill. Display-counter. No. 1,097,562; May 19; Gaz. vol. 202; p. 897.
- Sheridan Iron Works, The, et al. (See Bredenberg, Alfred, assignor.)
- Sheridan, John E. (See Schroeder, Frederick A., assignor.)
- Sheridan, Leslie M., Anaconda, Mont. Screening apparatus. No. 1,085,997; Feb. 3; Gaz. vol. 199; p. 150.
- Sherlock, Edward D., and G. W. Van Nortwick, Denver, Colo. Multiple embossing-die. No. 1,085,998; Feb. 3; Gaz. vol. 199; p. 150.
- Sherlock, William E., Canton, Ohio. Milk-pail. No. 1,103,090; July 14; Gaz. vol. 204; p. 348.
- Sherman, Arthur G. (See Sherman, George H. and A. G.)
- Sherman, Charles L., Philadelphia, Pa. Insulating-lining. No. 1,086,338; Feb. 3; Gaz. vol. 199; p. 263.
- Sherman, David M., New York, N. Y. Shock-absorber. No. 1,118,818; Nov. 24; Gaz. vol. 208; p. 1287.
- Sherman, David M., and C. P. Kleebauer, New York, N. Y., assignors to The Kleebae Company, Inc. Non-refillable bottle. No. 1,103,007; July 7; Gaz. vol. 204; p. 272.
- Sherman, George H. and A. G., Detroit, Mich. Vaccine-container. No. 1,115,597; Nov. 3; Gaz. vol. 208; p. 44.
- Sherman, Harry E. (See Sherman, Louie A. and H. E.)
- Sherman, Howard B., Battle Creek, Mich. Machine for drawing or stamping metal. No. 1,117,097; Nov. 10; Gaz. vol. 208; p. 607.
- Sherman, Isabella, Brooklyn, N. Y. Go-cart cover. No. 1,121,878; Dec. 22; Gaz. vol. 209; p. 1157.
- Sherman, James M., San Jacinto, Cal. Fire-escape. No. 1,117,098; Nov. 10; Gaz. vol. 208; p. 607.
- Sherman, John C., Brookline, Mass. Shock-absorber and antirecoil device. No. 1,117,261; Nov. 17; Gaz. vol. 208; p. 704.
- Sherman, John C., Brookline, Mass. Instrument for magnetically recording sound vibrations. No. 1,123,147; Dec. 29; Gaz. vol. 209; p. 1638.
- Sherman, John C., Brookline, Mass., assignor to H. Parker, Berlin, N. H. Electric web-drying machine. No. 1,106,683; Aug. 11; Gaz. vol. 205; p. 428.
- Sherman, Lena, et al. (See Rivkin, Bert, assignor.)
- Sherman, Louie A. and H. E., Kansas City, Mo. Shot-spreader. No. 1,096,272; May 12; Gaz. vol. 202; p. 411.
- Sherman, Louis A., Montclair, N. J., assignor to The Anthony Company, Long Island City, N. Y. Furnace-cover. No. 1,096,323; May 12; Gaz. vol. 202; p. 429.
- Sherman, Morris. (See Frumer and Sherman.)
- Sherman, Norman W., Lake City, Iowa. Oil-burner. No. 1,109,474; Sept. 1; Gaz. vol. 206; p. 217.
- Sherman, Philip, Chicago, Ill. Razor. No. 1,117,262; Nov. 17; Gaz. vol. 208; p. 704.
- Sherman, Simon A., and J. Stiveson, Youngstown, Ohio. Tire. No. 1,120,552; Dec. 8; Gaz. vol. 209; p. 610.
- Sherman, Thomas H., Traverse City, Mich. Gun-camera. No. 1,118,066; Nov. 24; Gaz. vol. 208; p. 1026.

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- Sherman, William O., Pittsburgh, Pa. Surgical appliance. No. 1,105,105; July 28; Gaz. vol. 204; p. 1136.
- Sherman, William T., Peru, N. Y. Bull-staff. No. 1,098,181; May 26; Gaz. vol. 202; p. 1159.
- Sherman, Willis S., Milwaukee, Wis. End-matcher. No. 1,091,772; Mar. 31; Gaz. vol. 200; p. 1226.
- Sherman, Willis S., Milwaukee, Wis. End-matcher. No. 1,091,773; Mar. 31; Gaz. vol. 200; p. 1227.
- Sherman, Willis S., Milwaukee, Wis. Cut-off saw. No. 1,097,993; May 26; Gaz. vol. 202; p. 1096.
- Sherman, Willis S., Milwaukee, Wis. End-matcher. No. 1,102,694; July 7; Gaz. vol. 204; p. 164.
- Sherman, Willis S., Milwaukee, Wis. Boring-machine. No. 1,102,695; July 7; Gaz. vol. 204; p. 165.
- Sherrill, Harry J., Salida, Colo. Resilient tire. No. 1,097,682; May 26; Gaz. vol. 202; p. 984.
- Sherry, Lansford F. (See Baloun, Harry F., assignor.)
- Sherry, Walter J., St. Louis, Mo. Motor-locking mechanism. No. 1,107,855; Aug. 18; Gaz. vol. 205; p. 887.
- Sherwin, Isaac S., Washington, D. C. Adjustable shade-fixture. No. 1,112,726; Oct. 6; Gaz. vol. 207; p. 111.
- Sherwood, Aaron W., *et al.* (See Percy, James E., assignor.)
- Sherwood, Arthur, New Haven, Conn. Wheel. No. 1,092,227; Apr. 7; Gaz. vol. 201; p. 35.
- Sherwood, Fred C. (See Phillips and Sherwood.)
- Sherwood, Ludlow S., Cleveland, Ohio. Joist-hanger. No. 1,105,851; Aug. 4; Gaz. vol. 205; p. 93.
- Sherwood, Ludlow S., Cleveland, Ohio. Hinge. No. 1,105,852; Aug. 4; Gaz. vol. 205; p. 93.
- Sherwood, Mather W., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, Chicago, Ill. Drill. No. 1,098,690; June 2; Gaz. vol. 203; p. 114.
- Sherwood, Mather W., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, Chicago, Ill. Drilling-machine. No. 1,116,138; Nov. 3; Gaz. vol. 208; p. 230.
- Sherwood, Mather W., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, Chicago, Ill. Drilling-machine. No. 1,116,139; Nov. 3; Gaz. vol. 208; p. 231.
- Sherwood, Walker L. (See McManis and Sherwood.)
- Sherwood, William E., Canastota, N. Y. Dump-wagon. No. 1,123,026; Dec. 29; Gaz. vol. 209; p. 1595.
- Shetler, Karl Z., Cleveland, Ohio. Internal-combustion engine. No. 1,106,522; Aug. 11; Gaz. vol. 205; p. 371.
- Shevill, George R., deceased, Brooklyn, N. Y.; M. E. Shevill, executrix. Treating felt cloth. No. 1,103,694; July 14; Gaz. vol. 204; p. 562.
- Shevill, Mary E., executrix. (See Shevill, George R.)
- Shevlin, Charles W., Chicago, Ill. Container. No. 1,106,004; Aug. 4; Gaz. vol. 205; p. 146.
- Shevlin, Charles W., Chicago, Ill. Container. No. 1,106,005; Aug. 4; Gaz. vol. 205; p. 146.
- Shewan, James, Niagara Falls, N. Y. Dinner-pail. No. 1,100,202; June 16; Gaz. vol. 203; p. 710.
- Shibata, James K., Chicago, Ill. Potato-cutter. No. 1,094,604; Apr. 28; Gaz. vol. 201; p. 976.
- Shibe, Benjamin F., Bala, Pa. Playing-ball. No. 1,106,978; Aug. 11; Gaz. vol. 205; p. 530.
- Shibe, Benjamin F., Bala, Pa. Boxing-glove. No. 1,106,979; Aug. 11; Gaz. vol. 205; p. 530.
- Shideler, Fannie B., Indianapolis, Ind. Toy. No. 1,100,624; June 16; Gaz. vol. 203; p. 853.
- Shiek, Bert B. (See Blackburn and Shiek.)
- Shiek, Daniel W., Chicago, Ill. Stair-carpet retainer. No. 1,106,320; Aug. 4; Gaz. vol. 205; p. 253.
- Shiek, Daniel W., Chicago, Ill., assignor to W. L. Milliken, Barnstable, Mass. Paper-feed device for computing-machines, &c. No. 1,105,853; Aug. 4; Gaz. vol. 205; p. 94.
- Shiek, Daniel W., Chicago, Ill., assignor to W. L. Milliken, Barnstable, Mass. Combined computing and listing machine. No. 1,111,867; Sept. 29; Gaz. vol. 206; p. 1221.
- Shiek, Edward. (See Blackburn and Shiek, assignors.)
- Shields, Carl E., Rock Island, Ill. Adjustment for benches. No. 1,111,103; Sept. 22; Gaz. vol. 206; p. 918.
- Shields, Edward, Braddock, Pa. Loose-leaf binder. No. 1,121,767; Dec. 22; Gaz. vol. 209; p. 1118.
- Shields, Frank S., Cleveland, Ohio. Boring and cutting tool. No. 1,122,808; Dec. 29; Gaz. vol. 209; p. 1518.
- Shields, George H., Jr., *et al.* (See Eek, Albin C., assignor.)
- Shields, George H., Jr., *et al.* (See Lee, Henry W., assignor.)
- Shields, Robert. (See Cox and Shields.)
- Shiels, John H., and G. J. Bampton, Wallingford, assignors to International Silver Co., Meriden, Conn. Machine for assembling hollow-handled cutlery. No. 1,098,848; June 2; Gaz. vol. 203; p. 166.
- Shifey, Isaac J., Tampa, Fla. Spring-tire. No. 1,116,939; Nov. 10; Gaz. vol. 208; p. 552.
- Shiley, Richard G., Cleveland, Ohio. Speed-regulator for internal-combustion engines. No. 1,092,667; Apr. 7; Gaz. vol. 201; p. 187.
- Shilling, Edgar A. (See Edwards and Shilling.)
- Shimer, Elmer S., assignor to Star Speedometer Company, Milton, Pa. Odometer-driving mechanism. No. 1,115,598; Nov. 3; Gaz. vol. 208; p. 44.
- Shimmelfennig, Joseph, Philadelphia, assignor of two-thirds to W. E. Groll, West Philadelphia, Pa. Gas-heated water-heater. No. 1,112,484; Oct. 6; Gaz. vol. 207; p. 24.
- Shimon, Charles J., Solon, Iowa. Vehicle. No. 1,113,060; Oct. 6; Gaz. vol. 207; p. 224.
- Shimpf Starter Company. (See Shimpf, Walter H., assignor.)
- Shimpf, Walter H., New York, N. Y., assignor to Shimpf Starter Company, Boston, Mass. Starting-motor and compressor. No. 1,120,337; Dec. 8; Gaz. vol. 209; p. 533.
- Shindler, Robert C., Dalhart, Tex. Traction-wheel. No. 1,099,825; June 9; Gaz. vol. 203; p. 541.
- Shine, Charles L., Providence, R. I. Curtain-support. No. 1,118,157; Nov. 24; Gaz. vol. 208; p. 1057.
- Shiner, Maud E., administratrix. (See Shiner, Oliver J.)
- Shiner, Oliver J., deceased; M. E. Shiner, administratrix, Bayonne, N. J. Method of and apparatus for purifying oil. No. 1,099,622; June 9; Gaz. vol. 203; p. 472.
- Shiner, Oliver J., deceased; M. E. Shiner, administratrix, Bayonne, N. J. Apparatus for mixing oil with chemicals. No. 1,102,696; July 7; Gaz. vol. 204; p. 165.
- Shinkle, W. G. (See Douglas, Jay R., assignor.)
- Shinski, Walter W., La Salle, Ill. Safety attachment for foot-stamping and other presses. No. 1,105,106; July 28; Gaz. vol. 204; p. 1136.
- Shipherd, Caroline, Omaha, Nebr. Dish-washing apparatus. No. 1,105,045; July 28; Gaz. vol. 204; p. 1115.
- Shipley, Arthur H., assignor to Weston, Shipley & Weston, Limited, Leicester, England. Machine for inserting lacing-studs. No. 1,085,878; Feb. 3; Gaz. vol. 199; p. 106.
- Shipley, Elmer E., Washington, D. C. Window-cleaner. No. 1,120,094; Dec. 8; Gaz. vol. 209; p. 446.
- Shipley, Joseph J., Washington, D. C. Vending-machine. No. 1,115,599; Nov. 3; Gaz. vol. 208; p. 45.
- Shipley, Levi L., Marion, Ohio. Flash-light apparatus. No. 1,118,592; Nov. 24; Gaz. vol. 208; p. 1212.
- Shipley, Lewis C., Detroit, Mich. Vehicle-top. No. 1,118,591; Nov. 24; Gaz. vol. 208; p. 1211.
- Shipley, Robert P. (See Mockbee, Charles E., assignor.)
- Shipley, Thomas, York, Pa. Ice-making and refrigerating machinery. No. 1,087,052; Feb. 10; Gaz. vol. 199; p. 556.
- Shipman, Evan J., assignor to Sargent & Company, New Haven, Conn. Pin-tumbler lock. No. 1,093,080; Apr. 14; Gaz. vol. 201; p. 363.
- Shipman, Evan J., assignor to Sargent & Company, New Haven, Conn. Display-box. No. 1,094,605; Apr. 28; Gaz. vol. 201; p. 977.
- Shipman, Frank L., Whippany, N. J. Puzzle. No. 1,089,278; Mar. 3; Gaz. vol. 200; p. 207.
- Shipman, George R., Norfolk, Va. Fender for ships. No. 1,105,461; July 28; Gaz. vol. 204; p. 1263.
- Shipman, James L., Cold Springs, assignor of one-half to C. B. Lake, Kiefer, Okla. Window-shade roller. No. 1,097,477; May 19; Gaz. vol. 202; p. 869.
- Shipman, John D., San Angelo, Tex. Sash-fastener. No. 1,114,391; Oct. 20; Gaz. vol. 207; p. 775.
- Shipp, Michael W., Wilkes-Barre, Pa. Water-gage. No. 1,121,411; Dec. 15; Gaz. vol. 209; p. 957.
- Shiras Electric Company. (See Chassaing, Joseph, assignor.)
- Shirey, Ulysses A., Kansas City, Mo. Corn-harvester. No. 1,099,210; June 9; Gaz. vol. 203; p. 330.
- Shirk, Andrew W., Dayton, Ohio. Sewer-agitator. No. 1,110,832; Sept. 15; Gaz. vol. 206; p. 782.
- Shirk, Elbert W., Peru, Ind. Refrigerator. No. 1,084,366; Jan. 13; Gaz. vol. 198; p. 397.
- Shirley, Edward E., Gage, assignor of one-half to L. D. Hart, Woodward, Okla. Protector for pipes. No. 1,097,054; May 19; Gaz. vol. 202; p. 721.
- Shirley, Henry R., St. Paul, Minn., assignor of one-half to J. A. Ferris, Rossland, Canada. Temperature-alarm apparatus. No. 1,110,580; Sept. 15; Gaz. vol. 206; p. 691.
- Shirley, William W., Buffalo, N. Y. Fan attachment for rocking-chairs. No. 1,110,652; Sept. 15; Gaz. vol. 206; p. 718.
- Shirreffs, James R., Los Angeles, Cal. Universal joint. No. 1,101,817; June 30; Gaz. vol. 203; p. 1370.
- Shirtcliff, John W., Denver, Colo. Hood for furnaces. No. 1,087,894; Feb. 17; Gaz. vol. 199; p. 900.
- Shively, Emily J. (See Whitney, Claire, assignor.)
- Shivers, Elijah L., Crawfordsville, Ark. Nut. No. 1,086,944; Feb. 10; Gaz. vol. 199; p. 521.
- Shnable, Emile R., Chicago, Ill. Excavator-bucket. No. 1,093,887; Apr. 21; Gaz. vol. 201; p. 675.
- Shoberg, David C., Sioux City, Iowa. Light-reflecting apparatus. No. 1,085,500; Jan. 27; Gaz. vol. 198; p. 846.
- Shockley, Clement L., and H. E. Straley, Springfield, Ohio. Starting mechanism for internal-combustion engines. No. 1,102,091; June 30; Gaz. vol. 203; p. 1468.
- Shoe Manufacturers' Supply Co. (See Benjamin, William T., assignor.)
- Shoe, William W., Philadelphia, Pa. Iron. No. 1,099,401; June 9; Gaz. vol. 203; p. 398.
- Shoemaker, Charles A., Warren, Ohio. Car structure. No. 1,101,213; June 23; Gaz. vol. 203; p. 1113.
- Shoemaker, Frank A., assignor to Sturdy Smokeless Furnace Company, Buffalo, N. Y. Smokeless boiler-furnace. No. 1,097,735; May 26; Gaz. vol. 202; p. 1003.
- Shoemaker, I. I. (See King, John, assignor.)
- Shoemaker, John F., Brandsville, Mo. Check-book holder. No. 1,108,631; Aug. 25; Gaz. vol. 205; p. 1205.

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- Shoemaker, Margaret E., Grand Rapids, Mich. Shoe. No. 1,101,341; June 23; Gaz. vol. 203; p. 1155.
- Shoemaker, Rodney. (See Bouldin and Shoemaker.)
- Shoemaker, Samuel M. (See Buckingham, Charles S., assignor.)
- Shoemaker, Samuel M. (See Patten, John, assignor.)
- Shoemaker, Samuel M., assignor to himself and C. S. Buckingham, Eccleston, Md. Stanchion. No. 1,119,649; Dec. 1; Gaz. vol. 209; p. 258.
- Shoemaker, William B., assignor of one-half to G. Wenzelmann, Galesburg, Ill. Gutter-end-forming clamp. No. 1,093,950; Apr. 21; Gaz. vol. 201; p. 696.
- Shoenberg, Milton H., assignor to F. C. Morgan, San Francisco, Cal. Electric heating device. No. 1,091,774; Mar. 31; Gaz. vol. 200; p. 1227.
- Shoenberg, Milton H., assignor, by mesne assignments, to Majestic Electric Development Co., San Francisco, Cal. Electric radiator. No. 1,109,551; Sept. 1; Gaz. vol. 206; p. 242.
- Shoffner, Edward J., assignor of fifty-one one-hundredths to G. W. Merrell, Roanoke, Va. Pneumatic-tool retainer. No. 1,099,670; June 9; Gaz. vol. 203; p. 489.
- Shogren, Martin W., Louisville, Nebr. Draft-tongues for agricultural implements. No. 1,093,488; Apr. 14; Gaz. vol. 201; p. 499.
- Sholar, Edward H. (See McDaniel, William R., assignor.)
- Sholes, Zalmon G., New York, N. Y., assignor, by mesne assignments, to The Lawrence Manufacturing Company Limited, London, England. Type-writer. No. 1,112,851; Oct. 6; Gaz. vol. 207; p. 154.
- Sholes, Zalmon G., and J. M. Fraaz, New York, N. Y., assignors, by mesne assignments, to The Lawrence Manufacturing Company Limited, London, England. Type-writer. No. 1,111,868; Sept. 29; Gaz. vol. 206; p. 1222.
- Shoman, Fred A., Milwaukee, Wis., assignor to The Phinney Engineering Co., Chillicothe, Ohio. Machine for snipping beans. No. 1,102,808; July 7; Gaz. vol. 204; p. 205.
- Shone, Isaac, Westminster, London, England. Sewerage system. No. 1,108,011; Aug. 18; Gaz. vol. 205; p. 941.
- Shonk, Charles W., Maywood, assignor to Charles W. Shonk Company, Chicago, Ill. Sheet-metal match-stand and burnt-match holder. No. 1,087,147; Feb. 17; Gaz. vol. 199; p. 640.
- Shonk, Charles W., assignor to Charles W. Shonk Company, Maywood, Ill. Dispensing apparatus. No. 1,087,148; Feb. 17; Gaz. vol. 199; p. 640.
- Shontz, Edgar A., Philipsburg, Pa. Bottle-centering attachment for bottling-machines. No. 1,106,738; Aug. 11; Gaz. vol. 205; p. 447.
- Shoobridge, Reginald H., and A. F. Gunstone, Bath, England. Carbureter. No. 1,104,560; July 21; Gaz. vol. 204; p. 901.
- Shook, Dale T., Greene, Iowa. Door-catch. No. 1,120,095; Dec. 8; Gaz. vol. 209; p. 446.
- Shook & Fletcher. (See Caine, William P., assignor.)
- Shook, Jacob W., Williamsport, Pa. Pot-lid-supporting device. No. 1,093,489; Apr. 14; Gaz. vol. 201; p. 499.
- Shoop, Irvin E., Elizabethtown, Pa. Ladder. No. 1,090,241; Mar. 17; Gaz. vol. 200; p. 628.
- Shore, Albert F., New York, N. Y. Projectile. No. 1,089,161; Mar. 3; Gaz. vol. 200; p. 170.
- Shore, Albert F., New York, N. Y., assignor to The Shore Instrument & Manufacturing Company. Scleroscope. No. 1,121,050; Dec. 15; Gaz. vol. 209; p. 833.
- Shore Instrument & Manufacturing Company, The. (See Shore, Albert F., assignor.)
- Shorer, Robert R., Garber, Okla. Elevating-chair. No. 1,088,464; Feb. 24; Gaz. vol. 199; p. 1143.
- Shores, Orrie B., St. Louis, Mo. Mechanism for transmitting motion. No. 1,106,006; Aug. 4; Gaz. vol. 205; p. 146.
- Short, Jefferson D., Texhoma, Tex. Spring-wheel. No. 1,090,797; Mar. 17; Gaz. vol. 200; p. 817.
- Short, Leslie D. (See Thomas, Calvin W., assignor.)
- Short, Liel W., Boston, Mo. Gasolene-strainer. No. 1,087,692; Feb. 17; Gaz. vol. 199; p. 834.
- Shorter, William B., *et al.* (See Hale, William H., assignor.)
- Shorts, Nelson T., Fern, Pa. Oil-well-drilling-tool wrench. No. 1,122,316; Dec. 29; Gaz. vol. 209; p. 1347.
- Shortt, Everett T., San Diego, Cal. Coffee-roaster. No. 1,122,651; Dec. 29; Gaz. vol. 209; p. 1462.
- Shortt, John H., Kewanee, Ill. Water-closet. No. 1,108,799; Aug. 25; Gaz. vol. 205; p. 1260.
- Shotts, Harry P. (See Davidson and Shotts.)
- Shoup, Miles P., assignor of one-fourth to J. W. Johnston, Springdale, Pa. Collapsible derrick. No. 1,084,043; Jan. 13; Gaz. vol. 198; p. 290.
- Shoup, Samuel R., Hoboken, N. J. Voting-machine. No. 1,084,585; Jan. 13; Gaz. vol. 198; p. 469.
- Shoup, Samuel R., Hoboken, N. J. Registering-head. No. 1,096,762; May 12; Gaz. vol. 202; p. 575.
- Shoup, Samuel R., Hoboken, N. J. Autographic register. No. 1,098,335; May 26; Gaz. vol. 202; p. 1214.
- Shoup, Samuel R., Hoboken, N. J., assignor to Autographic Register Company, New York, N. Y. Paper-roll support for type-writing machines. No. 1,120,249; Dec. 8; Gaz. vol. 209; p. 502.
- Show Card Company, The. (See Gray, George W., assignor.)
- Show, John D., Philadelphia, Pa., assignor of one-half to W. C. Ehrenfeld, Trenton, N. J. Shock-absorber. No. 1,095,936; May 5; Gaz. vol. 202; p. 258.
- Showalter, Erasmus W., Claypool, Ind. Acetylene-gas generator. No. 1,090,759; Mar. 17; Gaz. vol. 200; p. 804.
- Showalter, Roy C., assignor of one-half to F. K. Thleme and one-fourth to J. P. Reilly, Altoona, Pa. Trolley-wheel mount. No. 1,092,803; Apr. 7; Gaz. vol. 201; p. 233.
- Shows, Judge N., and C. B. Tucker, Ponchatoula, La. Non-refillable bottle. No. 1,108,012; Aug. 18; Gaz. vol. 205; p. 941.
- Shrader, Andrew O., St. Louis, Mo. Differential locking-gearing. No. 1,108,800; Aug. 25; Gaz. vol. 205; p. 1261.
- Shrader, Lucy A., Elmira, N. Y. Railway-rail support and rail-fastener. No. 1,114,543; Oct. 20; Gaz. vol. 207; p. 831.
- Shrady, Charles D., Allentown, Pa. Mailing-machine. No. 1,115,600; Nov. 3; Gaz. vol. 208; p. 45.
- Shredded Wheat Company, The. (See Perky, Henry D., assignor.)
- Shredded Wheat Company, The. (See Wallace, Edwin L., assignor.)
- Shreeve, Herbert E., Milburn, N. J., assignor to Western Electric Company, New York, N. Y. Current-amplifying apparatus and circuit. No. 1,093,888; Apr. 21; Gaz. vol. 201; p. 676.
- Shreve, Harry B., assignor to Weir & Craig Manufacturing Company, Chicago, Ill. Electric hoist. No. 1,083,412; Jan. 6; Gaz. vol. 197; p. 52.
- Shreve, Harry B., assignor to Chicago Safety Appliance Company, Chicago, Ill. Safety-switch. No. 1,114,813; Oct. 27; Gaz. vol. 207; p. 976.
- Shriner, Charles E. and F. A., and F. W. Miller, assignors to The Monroe Burial Device Company, Monroe, Wis. Apparatus for raising and lowering caskets. No. 1,095,168; Apr. 28; Gaz. vol. 201; p. 1176.
- Shriner, Frank A. (See Shriner and Miller.)
- Shriver, Jay R., Elkhart, Ind. Ratchet-wrench. No. 1,105,854; Aug. 4; Gaz. vol. 205; p. 94.
- Shroeder, Frank H. (See Blanchard, Frank E., assignor.)
- Shropshire, R. W., *et al.* (See Baum, James B., assignor.)
- Shroyer, Howard R., Portland, Oreg. Clothes-hanging attachment for trunks. No. 1,097,683; May 26; Gaz. vol. 202; p. 984.
- Shrum, Peter J., Monaca, assignor to Colona Manufacturing Company, Pittsburgh, Pa. Making thread-protectors. No. 1,118,372; Nov. 24; Gaz. vol. 208; p. 1133.
- Shrum, Peter J., Monaca, assignor to Colona Manufacturing Company, Pittsburgh, Pa. Making thread-protectors. No. 1,118,373; Nov. 24; Gaz. vol. 208; p. 1134.
- Shryock, Robert B., Kansas City, Mo. Lubricating device. No. 1,101,474; June 23; Gaz. vol. 203; p. 1201.
- Shuart, Joseph A., Sacramento, Cal. Fire-escape. No. 1,114,392; Oct. 20; Gaz. vol. 207; p. 775.
- Shue Air Rifle Company. (See Shue, Earl V., assignor.)
- Shue, Earl V., assignor to Shue Air Rifle Company, Milwaukee, Wis. Air-gun. No. 1,102,204; June 30; Gaz. vol. 203; p. 1509.
- Shue, Edward F., New York, N. Y. Fender. No. 1,108,801; Aug. 25; Gaz. vol. 205; p. 1261.
- Shuhany, Andrew M., Chelmsford, Mass. Aerial torpedo. No. 1,087,192; Feb. 17; Gaz. vol. 199; p. 655.
- Shuler, Ulysses G. (See Koch and Shuler.)
- Shull, Anderson H. (See Richards and Shull.)
- Shults, Frederick W. (See Shults, Joseph M. and F. W.)
- Shults, Harry H. (See McMillin, Frank E., assignor.)
- Shults, Joseph M. and F. W., Baltimore, Md. Fluid-blast stoker. No. 1,109,367; Sept. 1; Gaz. vol. 206; p. 182.
- Shults, Nicholas R., Lake City, Mich. Securing appliance for linoleum, &c. No. 1,114,194; Oct. 20; Gaz. vol. 207; p. 706.
- Shults, William G., Oakdale, Tenn. Track-barrow. No. 1,114,544; Oct. 20; Gaz. vol. 207; p. 831.
- Shultz, Albert E., Pinners, Va. Air-feeding and air-operated grate. No. 1,107,121; Aug. 11; Gaz. vol. 205; p. 576.
- Shultz, Charles A., Portland, Oreg. Scouring-case. No. 1,099,317; June 9; Gaz. vol. 203; p. 368.
- Shultz, Guy R., Douglas county, Kans. Threshing cylinder and concave. No. 1,092,757; Apr. 7; Gaz. vol. 201; p. 217.
- Shultz, Harry C. (See Powers and Shultz.)
- Shultz, Llewellyn B. (See Rawson and Shultz.)
- Shultz, Michael. (See Blose and Shultz.)
- Shumate, William A., *et al.* (See Agan, John P., assignor.)
- Shuminski, Piotr, assignor of one-fourth to J. L. Goldberg, Hamilton, Ontario, Canada. Brake for cars. No. 1,104,226; July 21; Gaz. vol. 204; p. 783.
- Shumway, Cyrus R., assignor of one-half to O. W. Brown, Hayt Corners, N. Y. Vehicle-wheel. No. 1,114,923; Oct. 27; Gaz. vol. 207; p. 1016.
- Shumway, Harry E., Waterford, assignor to Van Zandt, Jacobs & Co., Troy, N. Y. Apparel-collar. No. 1,088,631; Feb. 24; Gaz. vol. 199; p. 1196.

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- Shumway, Harvey E., and W. T. Scholz, Frankfort, Kans. Vehicle-elevator. No. 1,115,117; Oct. 27; Gaz. vol. 207; p. 1085.
- Shunk, Frank A., Streator, assignor to Sawyer Biscuit Company, Chicago, Ill. Filler for cracker and cake boxes. No. 1,108,405; Aug. 25; Gaz. vol. 205; p. 1126.
- Shupert, Frank W. (See Jacobs and Shupert.)
- Shurlow, James, Augusta, and O. Acker, Battle Creek, Mich. Train-pipe coupling. No. 1,116,940; Nov. 10; Gaz. vol. 208; p. 552.
- Shurz, Benjamin F., Marion, Ohio. Automatic railway-brake valve. No. 1,092,958; Apr. 14; Gaz. vol. 201; p. 321.
- Shute, Henry C., Nathan, Ark. Draft-controlling throttle means. No. 1,117,263; Nov. 17; Gaz. vol. 208; p. 705.
- Shute, James L., Seattle, Wash. Heating element for incubators. No. 1,114,393; Oct. 20; Gaz. vol. 207; p. 776.
- Shute, James L., Seattle, Wash. Incubator. No. 1,117,919; Nov. 17; Gaz. vol. 208; p. 934.
- Shute, Nathan. (See Rogers, Joseph W., assignor.)
- Sibbald, Charles J., Waterford, N. Y. Stitch-forming mechanism for sewing-machines. No. 1,118,450; Nov. 24; Gaz. vol. 208; p. 1162.
- Sibbald, Harry. (See Martin and Sibbald.)
- Sibert, Edwin F. (See Kelly and Sibert.)
- Sibert, Nicholas S., *et al.* (See Petty, Harry E., assignor.)
- Sibley, Clarence C. (See Lutz and Sibley.)
- Sibley, Eugene, Detroit, Mich. Fuel-heater for explosive-engines. No. 1,115,745; Nov. 3; Gaz. vol. 208; p. 95.
- Sibley, Foster J., assignor of one-half to T. C. Dunn, Findlay, Ohio. Computing counter-scale and cash-register. No. 1,112,388; Sept. 29; Gaz. vol. 206; p. 1399.
- Sibley, John L., Miami, Mo. End-gate. No. 1,098,182; May 26; Gaz. vol. 202; p. 1159.
- Sibson & Stern. (See Branson, Thomas, assignor.)
- Sibson, Walter W. (See Allsop and Sibson.)
- Sibson, Walter W. (See Allsop, Sibson, Lowe, and Thomson.)
- Sibson, Walter W., and T. Allsop, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Singeing-machine. No. 1,089,085; Mar. 3; Gaz. vol. 200; p. 141.
- Sibson, Walter W., and T. Allsop, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Basket or cage for dyeing-machines. No. 1,099,887; June 9; Gaz. vol. 203; p. 563.
- Sibson, Walter W., and T. Allsop, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Circulating dyeing-machine. No. 1,119,995; Dec. 8; Gaz. vol. 209; p. 412.
- Sickels, Ellwood H., West Philadelphia, Pa. Extensible trap for railway-cars. No. 1,083,762; Jan. 6; Gaz. vol. 198; p. 167.
- Sickels, Ellwood H., Philadelphia, Pa. Extensible platform for railway-cars. No. 1,095,741; May 5; Gaz. vol. 202; p. 194.
- Sickels, Ellwood H., Philadelphia, Pa. Extensible platform for railway-cars. No. 1,099,402; June 9; Gaz. vol. 203; p. 399.
- Sickler, Harley N., Buffalo, N. Y. Slotting, creasing, and slitting machine. No. 1,103,695; July 14; Gaz. vol. 204; p. 562.
- Sickler, Marion M., Pala, Cal. Road-machine. No. 1,107,186; Aug. 11; Gaz. vol. 205; p. 602.
- Sidebottom, John W., assignor to T. C. Entwistle Company, Lowell, Mass. Lease-former. No. 1,109,257; Sept. 1; Gaz. vol. 206; p. 142.
- Sidell, Philip S., Shreve, Ohio. Jointer attachment for plows. No. 1,106,739; Aug. 11; Gaz. vol. 205; p. 447.
- Siderits, Thomas, and G. Murl, Milwaukee, Wis. Beam-splicing clamp. No. 1,084,236; Jan. 13; Gaz. vol. 198; p. 356.
- Sidney Suspender Company. (See Bigney, Sidney O., assignor.)
- Sidwell, Ernest, Coventry, England. Air-cooled internal-combustion engine used on motor-bicycles. No. 1,092,228; Apr. 7; Gaz. vol. 201; p. 36.
- Sidwell, Lester L., Rivera, Cal. Device for handling tree-fumigating tents. No. 1,093,656; Apr. 21; Gaz. vol. 201; p. 598.
- Sieben, George A., St. Paul, Minn. Door-pull. No. 1,087,693; Feb. 17; Gaz. vol. 199; p. 834.
- Siebenmorgen, William, Westfield, N. J., assignor, by mesne assignments, to C. & C. Electric & Manufacturing Company. Method of and apparatus for operating electric motors. No. 1,101,214; June 23; Gaz. vol. 203; p. 1113.
- Sieber, Lawrence G., Cincinnati, Ohio. Scale. No. 1,109,368; Sept. 1; Gaz. vol. 206; p. 182.
- Siebert, Charles M., *et al.* (See Bradshaw, Herbert B., assignor.)
- Siebert, Emil F., Meridan, Saskatchewan, Canada. Coffee-pot. No. 1,115,872; Nov. 3; Gaz. vol. 208; p. 138.
- Siebert, George C., Chicago, Ill. Gearing. No. 1,119,196; Dec. 1; Gaz. vol. 209; p. 104.
- Siebert, Louis A., *et al.* (See Bradshaw, Herbert B., assignor.)
- Sieburg, Carl, Jr. (See Sieburg, Charles and C., Jr.)
- Sieburg, Charles and C., Jr., New York, N. Y. Device for agitating fluids. No. 1,098,594; June 2; Gaz. vol. 203; p. 88.
- Siedentopf, Carl, Magdeburg, Germany. Dressing mortar made of lime and sand. No. 1,108,406; Aug. 25; Gaz. vol. 205; p. 1126.
- Siegel, Myer, assignor, by mesne assignments, of one-half to S. Salomon, New York, N. Y. Cloth-cutting machine. No. 1,116,335; Nov. 3; Gaz. vol. 208; p. 295.
- Sieger, Joseph M., Avoca, Wis. Water-tank heater. No. 1,114,394; Oct. 20; Gaz. vol. 207; p. 776.
- Siegfried, John H., Lemoore, Cal. Knife attachment for mowers. No. 1,094,260; Apr. 21; Gaz. vol. 201; p. 890.
- Siegfried, Robert, Pittsburgh, Pa. Vehicle-wheel. No. 1,118,158; Nov. 24; Gaz. vol. 208; p. 1057.
- Siegle, John H., Jr., and O. H. Andrews, Amsterdam, N. Y. Valve-grinding tool. No. 1,101,342; June 23; Gaz. vol. 203; p. 1155.
- Siegmann, William, assignor to M. V. Gault, Baltimore, Md. Making magnesium cement. No. 1,102,358; July 7; Gaz. vol. 204; p. 47.
- Siegwart, Hans, Lucerne, Switzerland. Device for tightening and reinforcing tubular bodies, such as pipes, masts, pillars, and the like. No. 1,084,906; Jan. 20; Gaz. vol. 198; p. 607.
- Siemens & Co., Gebrueder. (See Egly, Georg, assignor.)
- Siemens, Friedrich, Berlin, Germany. Furnace. No. 1,098,985; June 2; Gaz. vol. 203; p. 213.
- Siemens, Friedrich, Berlin, Germany. Regenerative furnace. No. 1,102,359; July 7; Gaz. vol. 204; p. 47.
- Siemens Gebrueder & Co. (See Egly, Georg, assignor.)
- Siemens & Halske A. G. (See Barkhausen and Kaminski, assignors.)
- Siemens & Halske, A. G. (See Becker and Dinslage, assignors.)
- Siemens & Halske, A. G. (See Blattmann, Ernst, assignor.)
- Siemens & Halske A. G. (See Grabe, Georg, assignor.)
- Siemens & Halske A. G. (See Kaminski, Paul, assignor.)
- Siemens & Halske, A. G. (See Schumann, Ernst, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Knips, Christoph, assignor.)
- Siemens-Schuckert-Werke G. m. b. H. (See Friese, Robert, assignor.)
- Siemens-Schuckert Werke G. m. b. H. (See Hohagen, Walter, assignor.)
- Siemens-Schuckert Werke, G. m. b. H. (See Rüdenberg, Reinhold, assignor.)
- Siefert, Philip W., Dayton, Ohio, assignor to Metropolitan Mausoleum Corporation. Mausoleum. No. 1,087,895; Feb. 17; Gaz. vol. 199; p. 900.
- Sifers, Robert B. (See Lightner, Guss A., assignor.)
- Sifferman, Harvey E., Dayton, Ohio. Merry-go-round. No. 1,121,768; Dec. 22; Gaz. vol. 209; p. 1118.
- Sigafoos, Clark A., Omaha, Nebr. Gage for paper-folding machines. No. 1,090,348; Mar. 17; Gaz. vol. 200; p. 664.
- Sigafoos, Clark A., Omaha, Nebr. Hoisting device. No. 1,118,241; Nov. 24; Gaz. vol. 208; p. 1085.
- Sigafoos, Clark A., Omaha, Nebr. Jogger for paper-folding machines. No. 1,120,983; Dec. 15; Gaz. vol. 209; p. 808.
- Sigel, Samuel S., Portland, and A. W. Johnson, Lents, Oreg. Window-cleaning device. No. 1,108,258; Aug. 25; Gaz. vol. 205; p. 1075.
- Siggelkow, Stanley E., McFarland, Wis. Demountable rim. No. 1,106,980; Aug. 11; Gaz. vol. 205; p. 531.
- Siggers, Edward G. (See Von Moos, George F., assignor.)
- Sigler, Oscar J., Mansfield, and H. J. Jarvis, assignors to The Union Peat Company, Toledo, Ohio. Peat-working apparatus. No. 1,116,140; Nov. 3; Gaz. vol. 208; p. 231.
- Signaigo, Gustavas R., Memphis, Tenn. Life-saving apparatus for aviators. No. 1,089,978; Mar. 10; Gaz. vol. 200; p. 495.
- Signorette, John L., Los Angeles Cal. Ore-concentrator. No. 1,098,183; May 26; Gaz. vol. 202; p. 1160.
- Sikes, Julius, Chicago, Ill. Firearm. No. 1,089,086; Mar. 3; Gaz. vol. 200; p. 141.
- Silbaugh, John J., Lancaster, Ohio. Lip-bandage. No. 1,111,679; Sept. 22; Gaz. vol. 206; p. 1117.
- Silberberg, Mortimer J., Chicago, Ill. Tie-plate. No. 1,100,848; June 23; Gaz. vol. 203; p. 984.
- Silberrad, Oswald. (See Parsons and Silberrad.)
- Silberrad, Oswald, Buckhurst Hill, England. Explosive. No. 1,092,758; Apr. 7; Gaz. vol. 201; p. 218.
- Silberrad, Oswald, Buckhurst Hill, England. Purification of nitro bodies. No. 1,095,937; May 5; Gaz. vol. 202; p. 259.
- Silberrad, Oswald, Buckhurst Hill, England. Explosive. No. 1,102,964; July 7; Gaz. vol. 204; p. 257.
- Silberstein, Samuel. (See Wagner, Michael, assignor.)
- Silbert, Gustaf I., Chicago, Ill. Locking device for lamp-sockets. No. 1,102,697; July 7; Gaz. vol. 204; p. 166.
- Silen, Erick, Mayger, Oreg. Violin-piano. No. 1,115,601; Nov. 3; Gaz. vol. 208; p. 45.
- Siler, C. B. (See Kindrick, Jesse H., assignor.)
- Silica Stone Works. (See Thomas, Charles W., assignor.)
- Sill, Clyde J., Perris, Cal. Rodent-extermiator. No. 1,113,842; Oct. 13; Gaz. vol. 207; p. 543.
- Sill Store Works. (See Will and Becker, assignors.)
- Silliman, William F., Cleveland, Ohio. Combined book-mark and leaf-turner. No. 1,110,013; Sept. 8; Gaz. vol. 206; p. 450.

Alphabetical list of patentees—Continued.

- Sillix, Frank, assignor of three-eighths to G. Fraser, Topeka, Kans. Magazine-gun. No. 1,115,979; Nov. 3; Gaz. vol. 208; p. 175.
- Sills, John F., Albertville, Ala. Finger-protector. No. 1,109,796; Sept. 8; Gaz. vol. 206; p. 371.
- Silsby, Harvey W. (See Brandon, Lawrence E., assignor.)
- Silva, Felicissimo C., Lowell, Mass. Puzzle. No. 1,111,923; Sept. 29; Gaz. vol. 206; p. 1240.
- Silva, Manuel, Provincetown, Mass. Wheel-tire. No. 1,093,736; Apr. 21; Gaz. vol. 201; p. 626.
- Silveira, Henry M., Cambridge, Mass. Cuspidor. No. 1,110,967; Sept. 15; Gaz. vol. 206; p. 828.
- Silver, Charles, Odenton, assignor to P. Miller, Annapolis, Md. Toy vehicle. No. 1,100,031; June 16; Gaz. vol. 203; p. 649.
- Silver, Chester O., Trenton, Nebr. Automatic wagon-brake. No. 1,106,247; Aug. 4; Gaz. vol. 205; p. 229.
- Silver, Herman, Minneapolis, Minn. Alarm device for ice-box drip-pans. No. 1,091,593; Mar. 31; Gaz. vol. 200; p. 1163.
- Silver, Jesse W., South Tacoma, Wash. Button. No. 1,109,797; Sept. 8; Gaz. vol. 206; p. 371.
- Silver Manufacturing Company, The. (See Haldeman, Charles F., assignor.)
- Silvercase Company Inc. (See Couch, Elbert L., assignor.)
- Silverman, Wulf, assignor of fifteen one-hundredths to S. N. Weiner, New York, N. Y. Combined letter-holder and envelop-opener. No. 1,118,310; Nov. 24; Gaz. vol. 208; p. 1110.
- Silverston, Anthony R., Milwaukee, Wis. Fluid-displacing motor. No. 1,118,374; Nov. 24; Gaz. vol. 208; p. 1134.
- Silvester, Robert H. (See Bates and Silvester.)
- Silvey, Frank J., *et al.* (See Thomas, Bradford A., assignor.)
- Silvis, William I. (See Daniels and Silvis.)
- Silvius, Ellis T., Indianapolis, assignor to Specialty Manufacturing Company, Greenfield, Ind. Computing cheese-cutter. No. 1,113,377; Oct. 13; Gaz. vol. 207; p. 380.
- Silvius, Ellis T., Indianapolis, Ind., assignor, by mesne assignments, to The McCaskey Register Company, (incorporated in 1914.) Alliance, Ohio. Filing appliance. No. 1,113,698; Oct. 13; Gaz. vol. 207; p. 491.
- Simer, Burton W., and A. Nichols, Salmon, Idaho. Self-closing sack. No. 1,089,279; Mar. 3; Gaz. vol. 200; p. 207.
- Simler, Anthony, Canton, Ohio. Combined window-shade and curtain-pole supporting bracket. No. 1,121,412; Dec. 15; Gaz. vol. 209; p. 957.
- Simley, Iver. (See Field and Simley.)
- Simmen, Paul J., Berkeley, Cal. Automatic railway block system. No. 1,118,311; Nov. 24; Gaz. vol. 208; p. 1110.
- Simmersbach, Oscar, Breslau, Germany. Open-hearth furnace. No. 1,090,503; Mar. 17; Gaz. vol. 200; p. 720.
- Simmonds Engineering Company, The. (See Simmonds, John J., assignor.)
- Simmonds, John J., Iola, Kans. Hydraulic valve. No. 1,103,320; July 14; Gaz. vol. 204; p. 429.
- Simmonds, John J., assignor to The Simmonds Engineering Company, Iola, Kans. Turn-table. No. 1,094,026; Apr. 21; Gaz. vol. 201; p. 722.
- Simmonds, John J., assignor to The Simmonds Engineering Company, Iola, Kans. Retort-discharging machine. No. 1,110,081; Sept. 8; Gaz. vol. 206; p. 474.
- Simmons, Bertha M. (See Simmons, George P. and B. M.)
- Simmons, Charles A., Rensselaer, N. Y. Drill socket and collar. No. 1,119,766; Dec. 1; Gaz. vol. 209; p. 296.
- Simmons, Charles A., Rensselaer, assignor, by mesne assignments, to Standard Heat and Ventilation Company, Inc., New York, N. Y. Train-pipe coupling. No. 1,100,331; June 16; Gaz. vol. 203; p. 754.
- Simmons, Charles H., assignor to E. E. Farley, Chicago, Ill. Automatic air-valve. No. 1,088,632; Feb. 24; Gaz. vol. 199; p. 1196.
- Simmons, Charles W., East Cleveland, Ohio. Dry-cell battery. No. 1,087,612; Feb. 17; Gaz. vol. 199; p. 804.
- Simmons, Clifton W., Norfolk, Va. Non-refillable bottle. No. 1,087,840; Feb. 17; Gaz. vol. 199; p. 882.
- Simmons, Edward, and W. S. Day, Oroville, Cal. Anti-skidding device. No. 1,117,099; Nov. 10; Gaz. vol. 208; p. 607.
- Simmons, Floyd G. (See Simmons, William H. and F. G.)
- Simmons, George P. and B. M., Utica, N. Y. Lubricator. No. 1,122,036; Dec. 22; Gaz. vol. 209; p. 1214.
- Simmons, George P. and B. M., Herkimer, N. Y. Wick or feeder for lubricators. No. 1,122,037; Dec. 22; Gaz. vol. 209; p. 1214.
- Simmons, George T., Janesville, Wis. Fire-starter. No. 1,106,007; Aug. 4; Gaz. vol. 205; p. 147.
- Simmons, James B., and F. W. Boyer, Wadsworth, Ohio. Bag holding and filling device. No. 1,088,633; Feb. 24; Gaz. vol. 199; p. 1197.
- Simmons, James I., and A. P. Tresp, Wilmer, Tex. Saw-set. No. 1,085,175; Jan. 27; Gaz. vol. 198; p. 735.
- Simmons, James L., assignor to Gyro Motor Company, Washington, D. C. Valve-control mechanism for gas-engines. No. 1,120,553; Dec. 8; Gaz. vol. 209; p. 610.
- Simmons, James M., Follansbee, W. Va. Churn. No. 1,094,027; Apr. 21; Gaz. vol. 201; p. 722.
- Simmons, Jesse C., Shelby, Mich. Burner for liquid fuel. No. 1,091,169; Mar. 24; Gaz. vol. 200; p. 979.
- Simmons, Jesse C., Shelby, Mich. Burner for hydrocarbon fuel. No. 1,098,184; May 26; Gaz. vol. 202; p. 1160.
- Simmons, John E., Portland, Oreg. Running-gear for vehicles. No. 1,118,242; Nov. 24; Gaz. vol. 208; p. 1086.
- Simmons, John S., New York, N. Y. Gas-regulator for self-generating steam-radiators. No. 1,112,852; Oct. 6; Gaz. vol. 207; p. 154.
- Simmons, John W., Ozark, Ala. Artificial abdomen for comedians and others. No. 1,119,047; Dec. 1; Gaz. vol. 209; p. 53.
- Simmons, Leroy W., Broad Ripple, Ind. Cultivator. No. 1,107,856; Aug. 18; Gaz. vol. 205; p. 888.
- Simmons Manufacturing Company, The. (See Bayer, Mathew F., assignor.)
- Simmons Manufacturing Company, The. (See Mangel and Willems, assignors.)
- Simmons Manufacturing Company, The. (See Travis, Don C., assignor.)
- Simmons Manufacturing Company, The. (See Vincent and Travis, assignors.)
- Simmons, Oliver G., San Antonio, Tex. Metal wheel. No. 1,099,770; June 9; Gaz. vol. 203; p. 522.
- Simmons, Oliver G., Philadelphia, Pa. File. No. 1,104,561; July 21; Gaz. vol. 204; p. 902.
- Simmons' Out-O-Sight Belt Company, The. (See Simmons, William A., assignor.)
- Simmons, R. M. (See Holtby, Wilkie H., assignor.)
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Cutting-machine. No. 1,113,699; Oct. 13; Gaz. vol. 207; p. 492.
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-indenting machine. No. 1,114,300; Oct. 20; Gaz. vol. 207; p. 744.
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Hook and eyelet setting machine. No. 1,117,711; Nov. 17; Gaz. vol. 208; p. 864.
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoemaking-machine. No. 1,119,046; Dec. 1; Gaz. vol. 209; p. 53.
- Simmons, Robert F., and C. Francisco, assignors to New York Stamping Company, Brooklyn, N. Y. Currycomb. No. 1,089,368; Mar. 3; Gaz. vol. 200; p. 236.
- Simmons, Van L., Cadillac, Mich. Sheet-music holder. No. 1,106,851; Aug. 11; Gaz. vol. 205; p. 487.
- Simmons, William A., assignor to The Simmons' Out-O-Sight Belt Company, Kirkwood, Mo. Apparel-belt. No. 1,084,565; Jan. 13; Gaz. vol. 198; p. 462.
- Simmons, William H. and F. G., Cedar Springs, Mich. Land-marker. No. 1,113,378; Oct. 13; Gaz. vol. 207; p. 381.
- Simmons, William M., Burlington, Iowa. Device for regulating the temperature of air supplied to carbureters. No. 1,096,201; May 12; Gaz. vol. 202; p. 384.
- Simmons, William M., Burlington, Iowa. Door-latch-releasing device. No. 1,104,076; July 21; Gaz. vol. 204; p. 733.
- Simmons, William M., Burlington, Iowa. Door-operating device. No. 1,122,317; Dec. 29; Gaz. vol. 209; p. 1348.
- Simmons, William T. (See Kogel and Simmons.)
- Simms, Frederick R., London, England. Means for starting motor road-vehicles. No. 1,090,109; Mar. 10; Gaz. vol. 200; p. 540.
- Simms, Irvin B., Sacramento, assignor of one-third to F. Hunt, Wheatland, Cal. Automatic fire-alarm system. No. 1,111,708; Sept. 22; Gaz. vol. 206; p. 1128.
- Simms, James C., assignor to Sink & Swim Co., Cincinnati, Ohio. Combination bath-tub, kitchen-sink, and drain-board device. No. 1,095,742; May 5; Gaz. vol. 202; p. 194.
- Simms Magneto Company, The. (See Wacker, George W., assignor.)
- Simon, Arthur, Milwaukee, Wis. Repulsion-motor. No. 1,094,102; Apr. 21; Gaz. vol. 201; p. 747.
- Simon, Arthur, assignor to The Cutler-Hammer Manufacturing Company, Milwaukee, Wis. Alternating-current-motor controller for elevators. No. 1,110,352; Sept. 15; Gaz. vol. 206; p. 612.
- Simon, Arthur, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Fluid-rheostat. No. 1,112,165; Sept. 29; Gaz. vol. 206; p. 1320.
- Simon, Arthur, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,116,504; Nov. 10; Gaz. vol. 208; p. 396.
- Simon, Bühler & Baumann. (See Bauer, Georg J., assignor.)
- Simon, Frank C., Hornell, N. Y. Wheeled sled. No. 1,086,945; Feb. 10; Gaz. vol. 199; p. 521.
- Simon, George A., Boston, Mass. Cigarette-machine. No. 1,117,527; Nov. 17; Gaz. vol. 208; p. 797.
- Simon, Joseph. (See Albißer and Simon.)
- Simon, J. P., *et al.* (See Deatherage, Isaac, assignor.)
- Simon, Saul P., Chicago, Ill. Reinforced and protective shirt-band. No. 1,089,592; Mar. 10; Gaz. vol. 200; p. 363.
- Simonds, Frank A., Grand Rapids, Mich. Hoisting device for motor-vehicles. No. 1,106,684; Aug. 11; Gaz. vol. 205; p. 428.

Alphabetical list of patentees—Continued.

- Simonds, Herbert R., assignor to The A. A. Simonds & Son Company, Dayton, Ohio. Knife-bar for beating-engines. No. 1,093,490; Apr. 14; Gaz. vol. 201; p. 499.
- Simonds Manufacturing Company. (See Howard, Leslie E., assignor.)
- Simonds Manufacturing Company. (See Remington, Alfred M., assignor.)
- Simoni, Jens, Keyport, N. J., assignor to H. Clarkson, Flushing, N. Y. Puncture-healing liquid for tires. No. 1,109,151; Sept. 1; Gaz. vol. 206; p. 104.
- Simons, Berry B., New York, N. Y., assignor to Auto Signa-lite Company. Signaling device. No. 1,114,545; Oct. 20; Gaz. vol. 207; p. 831.
- Simons, Ernest D., assignor to Scovill Manufacturing Company, Waterbury, Conn. Reel-fixture. No. 1,108,855; Aug. 25; Gaz. vol. 205; p. 1281.
- Simons, Frank W., Santa Maria, Cal. Nail-stripper. No. 1,117,454; Nov. 17; Gaz. vol. 208; p. 772.
- Simons, Kneeland T., assignor of one-third to D. C. Clark and one-third to R. Simons, Hartford, Wis. Hub-cap. No. 1,101,150; June 23; Gaz. vol. 203; p. 1090.
- Simons, Randolph, *et al.* (See Simons, Kneeland T., assignor.)
- Simons, William H., Columbus, Ohio. Porch-swing. No. 1,094,028; Apr. 21; Gaz. vol. 201; p. 723.
- Simonsen, Johan C., Detroit, Mich. Carbureter. No. 1,123,027; Dec. 29; Gaz. vol. 209; p. 1595.
- Simonson, Roger A., Chicago, Ill. Combination-tool. No. 1,097,684; May 26; Gaz. vol. 202; p. 985.
- Simonsson, Wilhelm, New York, N. Y. Weighing-scale. No. 1,101,215; June 23; Gaz. vol. 203; p. 1114.
- Simplex Awning Company, The. (See Frank, Beecher, assignor.)
- Simplex Electric Heating Company. (See Ayer, James I., assignor.)
- Simplex Electric Heating Company. (See Ovington, Edward J., assignor.)
- Simplex Electric Heating Company. (See Ovington and Herlihy, assignors.)
- Simplex Player Action Company. (See Brown, Theodore P., assignor.)
- Simplex Railway Appliance Company. (See Hedcock, William C., assignor.)
- Simplex Self-Holding Carton Company. (See Goodman, Nathan J., assignor.)
- Simplex Shoe Machinery Company. (See Savignac and Myers, assignors.)
- Simplex Time Recorder Company. (See Harris and Stowell, assignors.)
- Simpson, Alexander B., Jersey City, N. J. Binding-post for electric terminals. No. 1,090,887; Mar. 24; Gaz. vol. 200; p. 880.
- Simpson, Alexander B., Jersey City, N. J. Connector for electric wires. No. 1,090,888; Mar. 24; Gaz. vol. 200; p. 880.
- Simpson, Charles A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 1,107,371; Aug. 18; Gaz. vol. 205; p. 715.
- Simpson, Frank M., Alameda, Cal. Pipe-wrench. No. 1,101,343; June 23; Gaz. vol. 203; p. 1156.
- Simpson, Frank M., Alameda, Cal. Chain wrench. No. 1,104,146; July 21; Gaz. vol. 204; p. 755.
- Simpson, Frank M., Alameda, Cal. Nut-lock. No. 1,106,248; Aug. 4; Gaz. vol. 205; p. 229.
- Simpson, George, and J. R. Gordon, New York, N. Y. Bilge-tunnel for ships. No. 1,118,956; Dec. 1; Gaz. vol. 209; p. 17.
- Simpson, James. (See Hawley, David R., assignor.)
- Simpson, John, assignor to Street Car Indicator Company, Limited, Vancouver, British Columbia, Canada. Advertising device. No. 1,091,399; Mar. 24; Gaz. vol. 200; p. 1054.
- Simpson, John H., Providence, R. I. Signaling device. No. 1,092,229; Apr. 7; Gaz. vol. 201; p. 36.
- Simpson, John M., and J. E. Wilkinson, Winnipeg, Manitoba, Canada. Knotter for harvester-binders. No. 1,112,389; Sept. 29; Gaz. vol. 206; p. 1400.
- Simpson, John T., Newark, N. J. Aeroplane. No. 1,098,129; May 26; Gaz. vol. 202; p. 1142.
- Simpson, John T., Newark, N. J. Flying-machine. No. 1,098,130; May 26; Gaz. vol. 202; p. 1142.
- Simpson, John T., Newark, N. J. Aeroplane. No. 1,098,131; May 26; Gaz. vol. 202; p. 1143.
- Simpson, Joseph F. (See Murphy and Simpson.)
- Simpson, Joseph F., Vineland, N. J. Shipping-package. No. 1,116,746; Nov. 10; Gaz. vol. 208; p. 484.
- Simpson, Joseph T., Chicago, Ill. Overshoe. No. 1,111,188; Sept. 22; Gaz. vol. 206; p. 949.
- Simpson, Leon G. (See Pellow and Simpson.)
- Simpson, Walter, and E. Birnie, Newark, Ohio. Welding-clamp. No. 1,113,700; Oct. 13; Gaz. vol. 207; p. 492.
- Simpson, William B., Shreveport, La. Churn. No. 1,117,455; Nov. 17; Gaz. vol. 208; p. 772.
- Simpson, William M., assignor to The Railway Materials Company, Chicago, Ill. Brake-shoe. No. 1,113,701; Oct. 13; Gaz. vol. 207; p. 492.
- Simpson, William S., London, England. Furnace for melting and alloying metals *in vacuo*. No. 1,118,820; Nov. 24; Gaz. vol. 208; p. 1288.
- Simpson, William S., London, England. Apparatus for melting and mixing metals *in vacuo*. (Reissue.) No. 13,849; Dec. 15; Gaz. vol. 209; p. 1025.
- Simpson, Willis H. (See Hidden, Morton E., assignor.)
- Sims, A. H., *et al.* (See Connor, George W., assignor.)
- Sims, Frederick L. H., Toronto, Ontario, Canada. Acetylene-generator. No. 1,100,625; June 16; Gaz. vol. 203; p. 853.
- Sims, George A., Erie, Pa. Fluid-heater. No. 1,096,273; May 12; Gaz. vol. 202; p. 411.
- Sims, John R., Sr. (See Hill, Truman, assignor.)
- Sims, Stephen W., Loyalton, Cal. Well-drilling tool. No. 1,096,134; May 12; Gaz. vol. 202; p. 362.
- Sims, Thomas W., Eheart, Va. Clinical-thermometer case. No. 1,109,308; Sept. 1; Gaz. vol. 206; p. 160.
- Simisarian, Stephen H., West Hoboken, N. J. Cigar-tip cutter. No. 1,096,274; May 12; Gaz. vol. 202; p. 412.
- Simson, Francis C., Halifax, Nova Scotia, Canada. Fire-extinguishing means. No. 1,087,989; Feb. 24; Gaz. vol. 199; p. 981.
- Sinclair, Alexander M., assignor to H. V. V. Sinclair, New York, N. Y. Blank-form book. No. 1,115,602; Nov. 3; Gaz. vol. 208; p. 46.
- Sinclair, Charles C. (See Strozier, Webster G., assignor.)
- Sinclair, George B. (See Severy, Melvin L., assignor.)
- Sinclair, George B. (See Severy and Sinclair.)
- Sinclair, George W. (See Brown and Sinclair.)
- Sinclair, Harry M., assignor to The Sinclair Manufacturing Company, Toledo, Ohio. Receptacle. No. 1,114,546; Oct. 20; Gaz. vol. 207; p. 832.
- Sinclair, Harry R., Worcester, assignor to H. S. Warner, Brookline, Mass. Egg-beater. No. 1,100,683; June 16; Gaz. vol. 203; p. 871.
- Sinclair, Hooper V. V. (See Sinclair, Alexander M., assignor.)
- Sinclair, John D., *et al.* (See Lockhart, Robert R., assignor.)
- Sinclair Manufacturing Company, The. (See Sinclair, Harry M., assignor.)
- Sinding-Larsen, Alf, Christiania, Norway. Separating mixtures of gases. No. 1,091,023; Mar. 24; Gaz. vol. 200; p. 929.
- Sine, Oliver P., Covington, Ky. Blinding-shield for animals. No. 1,099,864; June 9; Gaz. vol. 203; p. 555.
- Singer, Aaron, and M. Mesnicoff, New York, N. Y.; said Singer assignor to said Mesnicoff. Menthol inhaler and pencil. No. 1,095,472; May 5; Gaz. vol. 202; p. 103.
- Singer, Charles, Winfred, S. D. Storm-window. No. 1,111,621; Sept. 22; Gaz. vol. 206; p. 1096.
- Singer, Frank. (See Cameron, Frank, Jr., assignor.)
- Singer, Fritz, and E. Milarch, Offenbach-on-the-Main, assignors to Chemische Fabrik Griesheim Elektron, Frankfurt-on-the-Main, Germany. Making anthraquinone. No. 1,103,383; July 14; Gaz. vol. 204; p. 449.
- Singer, Fritz, Offenbach-on-the-Main, assignor to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Making anthraquinone. No. 1,119,546; Dec. 1; Gaz. vol. 209; p. 224.
- Singer, Julius, Racine, Wis. Ash-sifter. No. 1,095,037; Apr. 28; Gaz. vol. 201; p. 1129.
- Singer Manufacturing Company, The. (See Abercrombie, Charles M., assignor.)
- Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
- Singer Manufacturing Company, The. (See Barron, William L., assignor.)
- Singer Manufacturing Company, The. (See Boyd, Alexander, assignor.)
- Singer Manufacturing Company, The. (See Brown, Otis E., assignor.)
- Singer Manufacturing Company, The. (See Corral, Herbert, assignor.)
- Singer Manufacturing Company, The. (See De Voe, Albert H., assignor.)
- Singer Manufacturing Company, The. (See Diehl, Philip, assignor.)
- Singer Manufacturing Company, The. (See Diehl and Eichhorn, assignors.)
- Singer Manufacturing Company, The. (See Diehl and Hemleb, assignors.)
- Singer Manufacturing Company, The. (See Eichhorn, Herman, assignor.)
- Singer Manufacturing Company, The. (See Gray, Charles F., assignor.)
- Singer Manufacturing Company, The. (See Gray and Woodhead, assignors.)
- Singer Manufacturing Company, The. (See Grieb, Alfred, assignor.)
- Singer Manufacturing Company, The. (See Heggie, James, assignor.)
- Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)
- Singer Manufacturing Company, The. (See Hogan, James T., assignor.)
- Singer Manufacturing Company, The. (See Horton, Charles M., assignor.)
- Singer Manufacturing Company, The. (See Hugg, William H., assignor.)
- Singer Manufacturing Company, The. (See Molyneux, George E., assignor.)

Alphabetical list of patentees—Continued.

- Singer Manufacturing Company, The. (See Molyneux and Pech, assignors.)
- Singer Manufacturing Company, The. (See Nobel, Donald, assignor.)
- Singer Manufacturing Company, The. (See Ringe, John C., assignor.)
- Singer Manufacturing Company, The. (See Rontke, Albert, assignor.)
- Singer Manufacturing Company, The. (See Traub, Emil, assignor.)
- Singer Manufacturing Company, The. (See Woehrlé, Henriette B., assignor.)
- Singer, Robert D., and F. Dull, assignors to A. Ballinger, Hamilton, Ohio. Feed-water heater. No. 1,116,635; Nov. 10; Gaz. vol. 208; p. 446.
- Single Service Package Corporation of America. (See Beadle, George W., assignor.)
- Singleton, James N. G., Orlando, Fla. Treating citrus fruits. No. 1,093,081; Apr. 14; Gaz. vol. 201; p. 363.
- Singleton, Joseph J. C., Fort Worth, Tex. Automatic fire-alarm. No. 1,090,242; Mar. 17; Gaz. vol. 200; p. 628.
- Singleton, William H., Macon, Ga. Pneumatic water system. No. 1,097,143; May 19; Gaz. vol. 202; p. 754.
- Singley, James G., Nuremberg, Pa. Cigar-holder. No. 1,121,300; Dec. 15; Gaz. vol. 209; p. 919.
- Singmaster, James A., Palmerton, Pa., assignor to New Jersey Zinc Company, New York, N. Y. Manufacture of zinc oxid. No. 1,112,853; Oct. 6; Gaz. vol. 207; p. 155.
- Singmaster, James A., Palmerton, Pa., assignor to New Jersey Zinc Company, New York, N. Y. Apparatus for the manufacture of zinc oxid. No. 1,112,854; Oct. 6; Gaz. vol. 207; p. 155.
- Sink, Arvel T., Detroit, Mich. Head-stock. No. 1,117,920; Nov. 17; Gaz. vol. 208; p. 934.
- Sink & Swim Co. (See Simms, James C., assignor.)
- Sinks, William R. (See Wilson, Herbert S., assignor.)
- Sinner, Emil, assignor to The La Salle Company, Milwaukee, Wis. Cash-register. (Reissue.) No. 13,767; July 7; Gaz. vol. 204; p. 279.
- Sinner, Emil, assignor to The La Salle Company, Milwaukee, Wis. Cash-register. (Reissue.) No. 13,857; Dec. 29; Gaz. vol. 209; p. 1665.
- Sinsinger, Frank, New York, N. Y. Fishing-reel. No. 1,087,694; Feb. 17; Gaz. vol. 199; p. 834.
- Sintz, Claude, Detroit, Mich. Driving-wheel. No. 1,102,447; July 7; Gaz. vol. 204; p. 79.
- Sintz, Claude, Detroit, Mich. Cooling-tank. No. 1,107,455; Aug. 18; Gaz. vol. 205; p. 747.
- Sintz, Claude, Detroit, Mich. Clutch. No. 1,108,936; Sept. 1; Gaz. vol. 206; p. 27.
- Sintz, Claude, Detroit, Mich. Governor for explosive-engines. No. 1,117,608; Nov. 17; Gaz. vol. 208; p. 825.
- Sipp, Grant, Paterson, N. J. Braking mechanism for reeling-machines. No. 1,119,197; Dec. 1; Gaz. vol. 209; p. 104.
- Sipe, Harry E. (See Sipe, John F. and H. E.)
- Sipe, John F. and H. E., New York, N. Y. Spring-wheel for vehicles. No. 1,106,008; Aug. 4; Gaz. vol. 205; p. 147.
- Sipe, John F. and H. E., New York, N. Y. Spring-wheel for vehicles. No. 1,108,632; Aug. 25; Gaz. vol. 205; p. 1205.
- Sipes, Burrell I. (See Check and Sipes.)
- Sipchen, Peter, G. W. Roemer, Chicago, and C. Priester, Oak Park, Ill. Railway-tie. No. 1,117,100; Nov. 10; Gaz. vol. 208; p. 608.
- Sipp, Grant, Paterson, N. J. Reeling-machine. No. 1,099,944; June 16; Gaz. vol. 203; p. 620.
- Sippel, Charles B., Chicago, Ill. Ledger. No. 1,091,594; Mar. 31; Gaz. vol. 200; p. 1164.
- Sippel, William H., and J. L. Kaelin, Pittsburgh, Pa.; said Kaelin assignor to said Sippel. Curtain-pole. No. 1,088,465; Feb. 24; Gaz. vol. 199; p. 1143.
- Sipperley, Elbert N., Westport, Conn. Curtain-light. No. 1,109,475; Sept. 1; Gaz. vol. 206; p. 218.
- Sipple, Cahall, Dover, Del. Frictional gearing. No. 1,088,466; Feb. 24; Gaz. vol. 199; p. 1143.
- Sire, Didrik N., Mays Landing, N. J. Window. No. 1,104,940; July 28; Gaz. vol. 204; p. 1080.
- Sirman, Frank B., et al., executors. (See Marvil of V., Joshua H.)
- Sirman, Frank B., et al., executors. (See Marvil of V. and Downs.)
- Sisbower, George F., East Orange, N. J., assignor to New York Couch Bed Company, New York, N. Y. Folding bed. No. 1,087,613; Feb. 17; Gaz. vol. 199; p. 804.
- Sisbower, George F., East Orange, N. J., and L. E. Pittoni, assignors to New York Couch Bed Company, New York, N. Y. Couch-hammock. No. 1,098,185; May 26; Gaz. vol. 202; p. 1161.
- Sisbower, George F., East Orange, N. J., assignor to New York Couch Bed Company, New York, N. Y. Bed. No. 1,122,318; Dec. 29; Gaz. vol. 209; p. 1348.
- Sissel, James T. (See Clay, Boston, assignor.)
- Sisson, Albert H. (See Forsyth and Sisson.)
- Sisson, Albert H., High Point, N. C., assignor to Forsyth Brothers Company, Chicago, Ill. Sash construction. No. 1,089,873; Mar. 10; Gaz. vol. 200; p. 458.
- Sisson, Albert H., assignor to Forsyth Brothers Company, Chicago, Ill. Car construction. No. 1,112,855; Oct. 6; Gaz. vol. 207; p. 155.
- Sisson, Albert H., assignor to Forsyth Brothers Company, Chicago, Ill. Car construction. No. 1,112,856; Oct. 6; Gaz. vol. 207; p. 156.
- Sisson, Albert H., assignor to Forsyth Brothers Company, Chicago, Ill. Side-post construction for cars. No. 1,112,857; Oct. 6; Gaz. vol. 207; p. 156.
- Sisson, Albert H., assignor to Forsyth Brothers Company, Chicago, Ill. Car construction. No. 1,112,858; Oct. 6; Gaz. vol. 207; p. 156.
- Sisson, Charles H., and S. P. Kelch, Nelsonville, Ohio. Car-replacer. No. 1,121,301; Dec. 15; Gaz. vol. 209; p. 919.
- Sisson, Eugene A., assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Holster for automatic pistols. No. 1,110,993; Sept. 15; Gaz. vol. 206; p. 836.
- Sisson, Isaac H., Providence, R. I. Lubricating device. No. 1,091,866; Mar. 31; Gaz. vol. 200; p. 1261.
- Sisson, Vinton E., Chicago, Ill. Carline. No. 1,093,657; Apr. 21; Gaz. vol. 201; p. 598.
- Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Buffer-spring for vestibule-diaphragms. No. 1,097,195; May 19; Gaz. vol. 202; p. 771.
- Sisto, José R., Manzanillo, Cuba. Apparatus for handling invalids or patients. No. 1,121,673; Dec. 22; Gaz. vol. 209; p. 1085.
- Sithens, Edward H. (See Huntley, Harry H., assignor.)
- Sitler, James F., Brooklyn, N. Y. Swing-chair. No. 1,100,264; June 16; Gaz. vol. 203; p. 731.
- Sitz, Clara B., Washington, D. C. Buckle. No. 1,115,118; Oct. 27; Gaz. vol. 207; p. 1085.
- Sitzler, Thomas B., Camden, N. J. Internal-combustion engine. No. 1,087,841; Feb. 17; Gaz. vol. 199; p. 883.
- Sivard, William, Genesee, N. Y. Back-stop or brake for vehicles. No. 1,106,321; Aug. 4; Gaz. vol. 205; p. 253.
- Sivertson, Christ, and O. Segrow, Cloquet, Minn. Machine for making artificial-stone shingles. No. 1,085,706; Feb. 3; Gaz. vol. 199; p. 44.
- Siwak, Feliks, assignor of one-third to S. Siwak and one-third to P. Hnatszn, Clifton Heights, Pa. Wheel-mount. No. 1,087,328; Feb. 17; Gaz. vol. 199; p. 704.
- Siwak, Feliks, assignor of one-fourth to S. Siwak, one-eighth to B. Keller, one-eighth to S. Hatajke, one-eighth to P. Hendrick, and one-eighth to P. Hnatszn, Philadelphia, Pa. Rail-joint. No. 1,114,395; Oct. 20; Gaz. vol. 207; p. 776.
- Siwak, Sofa, et al. (See Siwak, Feliks, assignor.)
- Siwak, Sofa, et al. (See Siwak, Feliks, assignor.)
- Six In One Electric Battery Company. (See Young, Philip, assignor.)
- Sixmä, Klaas, Brooklyn, N. Y. Fitting for electrical conduits. No. 1,108,259; Aug. 25; Gaz. vol. 205; p. 1076.
- Sixth City Iron Company, The. (See Davies, Alfred H., assignor.)
- Sizaire, Georges. (See Sizaire, Maurice and G.)
- Sizaire, Maurice and G., Paris, France. Steering-gear. No. 1,120,096; Dec. 8; Gaz. vol. 209; p. 447.
- Sizer, Albert W., Kingston-upon-Hull, England. Press. No. 1,102,301; July 7; Gaz. vol. 204; p. 28.
- Sjolander, Gustaf, Midland, Mich. Auto-rest. No. 1,105,462; July 28; Gaz. vol. 204; p. 1264.
- Sjöström, Ivar L., North Andover, Mass. Machine for cooling and conditioning cloth. No. 1,095,680; May 5; Gaz. vol. 202; p. 173.
- Skall, Max A., New York, N. Y. Show-case construction. No. 1,089,593; Mar. 10; Gaz. vol. 200; p. 363.
- Skalstad, Carl A., Chicago, Ill. Umbrella. No. 1,105,709; Aug. 4; Gaz. vol. 205; p. 44.
- Skancke, Roald. (See Giertsen, Skancke, and Böhler.)
- Skaszynski, Frank, New Britain, Conn. Swimming apparatus. No. 1,099,575; June 9; Gaz. vol. 203; p. 458.
- Skeem, Christian S., Inkorn, Idaho. Potato-digger. No. 1,103,321; July 14; Gaz. vol. 204; p. 429.
- Skeffington, Arthur, Blackheath, London, England. Apparatus for handling invalids, deformed persons, or the like. No. 1,085,879; Feb. 3; Gaz. vol. 199; p. 106.
- Skeffington, Thomas F., Revere, Mass. Last. No. 1,120,097; Dec. 8; Gaz. vol. 209; p. 447.
- Skelton, Frederick and W. E., Hamilton, Ontario, Canada, assignors of one-third to E. W. McCarty, New York, N. Y. Tool-handle. No. 1,110,149; Sept. 8; Gaz. vol. 206; p. 502.
- Skelton, Ralph T., Bootle, near Liverpool, England. Manufacture of wire ropes. No. 1,088,467; Feb. 24; Gaz. vol. 199; p. 1143.
- Skelton, Walter E. (See Skelton, Frederick and W. E.)
- Skibicki, Antonn, Gully, Minn. Sash-fastener. No. 1,102,092; June 30; Gaz. vol. 203; p. 1469.
- Skiff, Joseph B. (See Westphall and Skiff.)
- Skiff, Joseph B., Clinton, Iowa, and C. J. Westphall, Portland, Ore. Fence-post. No. 1,109,020; Sept. 1; Gaz. vol. 206; p. 58.
- Skiles, Ernest C. (See Barnard and Skiles.)
- Skillen, James T., Cedar Rapids, Iowa. Chimney-thimble. No. 1,084,495; Jan. 13; Gaz. vol. 198; p. 437.
- Skinner, Adelbert, and F. Ewing, Lents, Ore. Building-block. No. 1,118,819; Nov. 24; Gaz. vol. 208; p. 1288.

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- Skinner, Allan D., and R. C. Stevens, assignors to Skinner Engine Company, Erie, Pa. Steam-engine valve. No. 1,119,462; Dec. 1; Gaz. vol. 209; p. 193.
- Skinner, Burr R., Aberdeen, S. D. Means for heating boiler feed-water. No. 1,108,633; Aug. 25; Gaz. vol. 205; p. 1205.
- Skinner, Burr R., Aberdeen, S. D. Station-indicator or advertiser. No. 1,120,338; Dec. 8; Gaz. vol. 209; p. 534.
- Skinner, Calvin, Columbus, Ohio. Cattle-guard. No. 1,109,552; Sept. 1; Gaz. vol. 206; p. 243.
- Skinner, Charles P., Orcutt, Cal. Well-casing perforator. No. 1,112,570; Oct. 6; Gaz. vol. 207; p. 57.
- Skinner, Charles W., assignor to The Skinner Irrigation Company, Troy, Ohio. Irrigating apparatus. No. 1,104,839; July 28; Gaz. vol. 204; p. 1044.
- Skinner Engine Company. (See Glenn, John C., assignor.)
- Skinner Engine Company. (See Skinner and Stevens, assignors.)
- Skinner Engine Company, The. (See Stevens, Robert C., assignor.)
- Skinner Engine Company. (See Stevens, Robert C., assignor.) (Reissue.)
- Skinner Engine Company. (See Stevens, Robert G., assignor.)
- Skinner Engine Company, The. (See Williams and Skinner, assignors.)
- Skinner Irrigation Company, The. (See Skinner, Charles W., assignor.)
- Skinner, James A., East Orange, assignor to F. F. Uehling, Passaic, N. J. Time-switch mechanism. No. 1,106,416; Aug. 11; Gaz. vol. 205; p. 330.
- Skinner, James M., Philadelphia, Pa. Battery-terminal. No. 1,094,173; Apr. 21; Gaz. vol. 201; p. 772.
- Skinner, James M., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Treating wood for storage-battery separators. No. 1,098,357; May 26; Gaz. vol. 202; p. 1221.
- Skinner, John C., Stockton, Cal. Fuel-heater. No. 1,114,924; Oct. 27; Gaz. vol. 207; p. 1017.
- Skinner, John T., Lawrence, Kans. Rheostat-resistance car-heater. No. 1,121,674; Dec. 22; Gaz. vol. 209; p. 1085.
- Skinner, John T., Lawrence, Kans. Frame for rheostat resistance elements. No. 1,121,769; Dec. 22; Gaz. vol. 209; p. 1118.
- Skinner, Le Grand. (See Williams and Skinner.)
- Skinner, Le Grand, Erie, Pa. Steam-engine valve mechanism. (Reissue.) No. 1,3768; July 7; Gaz. vol. 204; p. 281.
- Skinner, Lewis H., assignor of one-half to M. S. Lord, Schenectady, N. Y. Means for marking or cutting lenses. No. 1,117,264; Nov. 17; Gaz. vol. 208; p. 705.
- Skinner, Raymond W. (See Beck, Reid, and Skinner.)
- Skinner, Robert K. (See Perkins and Skinner.)
- Skinner, Robert L., Le Roy, N. Y. Door-lock. No. 1,087,193; Feb. 17; Gaz. vol. 199; p. 656.
- Skinner, Stephen G., Wilmette, Ill. Apparatus for compressing air. No. 1,119,889; Dec. 8; Gaz. vol. 209; p. 376.
- Skinner, Victor H. (See Stapleton, John T., assignor.)
- Skinner, Walter A. (See Cain and Skinner.)
- Skirrow, John F., East Orange, N. J. Apparatus to indicate the stoppage of carriers in the transmission-tubes of pneumatic-despatch-tube systems. No. 1,087,329; Feb. 17; Gaz. vol. 199; p. 705.
- Skitt, James H., assignor to Smith, Drum & Company, Philadelphia, Pa. Cigar cutting and banding machine. No. 1,115,119; Oct. 27; Gaz. vol. 207; p. 1085.
- Skliba, Frank, Cleveland, Ohio. Combined collar and hood. No. 1,117,456; Nov. 17; Gaz. vol. 208; p. 773.
- Sklovsky, Max, and G. W. Mixer, assignors to Deere & Company, Moline, Ill. Conveyer. No. 1,090,948; Mar. 24; Gaz. vol. 200; p. 902.
- Sklovsky, Max, and G. W. Mixer, assignors to Deere & Company, Moline, Ill. Riveting-machine. No. 1,116,747; Nov. 10; Gaz. vol. 208; p. 484.
- Sklovsky, Max, and G. W. Mixer, assignors to Deere and Company, Moline, Ill. Combined metal-working machine. No. 1,117,101; Nov. 10; Gaz. vol. 208; p. 608.
- Skoldberg, Ernest W., New York, N. Y. Buoy. No. 1,116,141; Nov. 3; Gaz. vol. 208; p. 232.
- Skog, John F., assignor to Eriez Stove & Manufacturing Company, Erie, Pa. Lighting device for oven-burners. No. 1,113,498; Oct. 13; Gaz. vol. 207; p. 423.
- Skov, Soren R. (See Scullin and Skov.)
- Skovbroten, Christian A., Mondovi, Wis. Attachment for harrows. No. 1,101,151; June 23; Gaz. vol. 203; p. 1091.
- Skreberg, Hans, Milan, Minn. Bundle-carrier crane. No. 1,119,048; Dec. 1; Gaz. vol. 209; p. 54.
- Skrípec, John P., Cincinnati, Ohio. Motor-plow. No. 1,105,214; July 28; Gaz. vol. 204; p. 1174.
- Skrukrud, Olaf O., Lanesboro, Minn. Plane. No. 1,087,695; Feb. 17; Gaz. vol. 199; p. 835.
- Skrzydlewski, Franz von. (See Szczepkowski and Skrzydlewski.)
- Skulstad, John E., Maddock, N. D. Cross-spring. No. 1,096,570; May 12; Gaz. vol. 202; p. 511.
- Skyles, G. A., et al. (See Ayres, George W., assignor.)
- Slaby, Rudolf, Charlottenburg, Germany. Valveless internal-combustion motor. No. 1,099,576; June 9; Gaz. vol. 203; p. 458.
- Slade, Albert J., Jr., assignor to Dexter Folder Company, Pearl River, N. Y. Delivery trip mechanism. No. 1,108,802; Aug. 25; Gaz. vol. 205; p. 1261.
- Slade, Isaac S., Stone Canon, Cal. Stopper for condiment-holders. No. 1,102,302; July 7; Gaz. vol. 204; p. 28.
- Slade, Starkie N., Durham, N. C. Plant-protector. No. 1,117,265; Nov. 17; Gaz. vol. 208; p. 705.
- Slag Steam Generator Company. (See Smoot, Charles H., assignor.)
- Slaght, Elias E., Toronto, Ontario, Canada. Tobacco-pipe. No. 1,107,716; Aug. 18; Gaz. vol. 205; p. 839.
- Slagle, Flaves T. (See Trainer, James, assignor.)
- Slappey, William H., Hopewell, Ala. Fireplace attachment. No. 1,111,036; Sept. 22; Gaz. vol. 206; p. 895.
- Slater, Charles B., Boston, Mass., assignor of one-half to Flexible Rubber Goods Co., Salisbury, Conn. Rubber-soled shoe. No. 1,110,353; Sept. 15; Gaz. vol. 206; p. 612.
- Slater, David R., Chicago, Ill. Display-case. No. 1,118,690; Nov. 24; Gaz. vol. 208; p. 1245.
- Slater, Edgar O., Springfield, Mo. Time-controlled mechanism. No. 1,102,093; June 30; Gaz. vol. 203; p. 1469.
- Slater, George E., Graceville, Fla. Churn-operating mechanism. No. 1,092,300; Apr. 7; Gaz. vol. 201; p. 62.
- Slater, Guy P., Tulsa, Okla. Derrick. No. 1,099,771; June 9; Gaz. vol. 203; p. 523.
- Slater, Joseph. (See Jonas, Alexander, assignor.)
- Slater, Mabel H., Webster, Mass. Refrigerator. No. 1,089,016; Mar. 3; Gaz. vol. 200; p. 117.
- Slater, Warren, Washington, D. C. Rail-splice. No. 1,089,280; Mar. 3; Gaz. vol. 200; p. 207.
- Slattery, John, Chrome, N. J. Car-wheel. No. 1,104,562; July 21; Gaz. vol. 204; p. 902.
- Slattery, John, Chrome, N. J. Wheel-forging mill. No. 1,107,717; Aug. 18; Gaz. vol. 205; p. 840.
- Slattery, John S., assignor of one-half to A. B. Miller, Marysville, Cal. Box-strapping apparatus. No. 1,119,996; Dec. 8; Gaz. vol. 209; p. 413.
- Slatton, John L., Baypoint, Cal. Fruit-harvester. No. 1,109,645; Sept. 1; Gaz. vol. 206; p. 278.
- Slaughter, George W., Jr., San Augustine, Tex. Well-drilling machine. No. 1,106,322; Aug. 4; Gaz. vol. 205; p. 254.
- Slavin, Joseph F., and J. Mendel, New York, N. Y. Traveler's umbrella-carrier. No. 1,110,150; Sept. 8; Gaz. vol. 206; p. 502.
- Slawinska, Mary, Humphrey, Nebr. Parachute-garment. No. 1,120,165; Dec. 8; Gaz. vol. 209; p. 472.
- Slawson, Thomas, Rea, Mo. Surface-pulverizer. No. 1,097,685; May 26; Gaz. vol. 202; p. 985.
- Slear, Elias F., Collingswood, N. J. Puzzle. No. 1,103,442; July 14; Gaz. vol. 204; p. 469.
- Sleeper, Joseph J., Moores, Pa. Wrapper-pasting device. No. 1,084,825; Jan. 20; Gaz. vol. 198; p. 581.
- Sleeper, Joseph J., Moores, Pa. Pump for suction-cleaners. No. 1,093,014; Apr. 14; Gaz. vol. 201; p. 339.
- Sleeper, Oliver S., assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Drying-machine. No. 1,103,443; July 14; Gaz. vol. 204; p. 470.
- Sleeper, Oliver S., assignor to Buffalo Foundry and Machine Company, Buffalo, N. Y. Jet-condenser. No. 1,115,980; Nov. 3; Gaz. vol. 208; p. 176.
- Sleeth, Asa, Portland, Oreg. Massaging implement. No. 1,120,339; Dec. 8; Gaz. vol. 209; p. 534.
- Sleeth, Montgomery, Bellevue borough, assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Bed-spring. No. 1,097,885; May 26; Gaz. vol. 202; p. 1056.
- Sleight, William H. (See Haas, Peter, assignor.)
- Slentz, Albertus O., assignor to The Canton Foundry and Machine Company, Canton, Ohio. Adjustable guide for drop-presses and the like. No. 1,101,344; June 23; Gaz. vol. 203; p. 1156.
- Slentz, Albertus O., assignor to The Canton Foundry & Machine Company, Canton, Ohio. Power slip-joint-forming machine. No. 1,121,675; Dec. 22; Gaz. vol. 209; p. 1086.
- Slentz, Albertus O., assignor to The Canton Foundry and Machine Company, Canton, Ohio. Alligator-shears. No. 1,122,319; Dec. 29; Gaz. vol. 209; p. 1348.
- Slepicka, John J., Chicago, Ill. Combined lock and alarm. No. 1,122,809; Dec. 29; Gaz. vol. 209; p. 1518.
- Sleppy, Hayden H. (See Brooks, Sleppy, and Yarnell.)
- Sletten, Christian M., Chimney Rock, Wis. Multiple stanchion. No. 1,099,623; June 9; Gaz. vol. 203; p. 473.
- Slick, Edwin E., Pittsburgh, Pa. Rolling flanged shapes. No. 1,086,789; Feb. 10; Gaz. vol. 199; p. 468.
- Slick, Edwin E., Pittsburgh, Pa. Furnace-roof. No. 1,088,634; Feb. 24; Gaz. vol. 199; p. 1197.
- Slick, Edwin E., Pittsburgh, Pa. Hotbed. No. 1,106,478; Aug. 11; Gaz. vol. 205; p. 355.
- Slick, Edwin E., Pittsburgh, Pa. Punching and shearing apparatus. No. 1,106,740; Aug. 11; Gaz. vol. 205; p. 447.
- Slick, Edwin E., Pittsburgh, Pa. Blank shearing and forming apparatus. No. 1,106,741; Aug. 11; Gaz. vol. 205; p. 447.
- Slick, Edwin E., Pittsburgh, Pa. Method of and apparatus for forging car-wheels. No. 1,108,260; Aug. 25; Gaz. vol. 205; p. 1076.

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- Slick, Edwin E., Pittsburgh, Pa. Finishing car-wheels. No. 1,111,622; Sept. 22; Gaz. vol. 206; p. 1096.
- Slick, Edwin E., Pittsburgh, Pa. Apparatus for forging metal. No. 1,114,396; Oct. 20; Gaz. vol. 207; p. 777.
- Slick, Edwin E., Johnstown, Pa. Furnace-roof. No. 1,109,553; Sept. 1; Gaz. vol. 206; p. 243.
- Slick, Edwin E., Westmont borough, Pa. Metallic railway-tie. No. 1,088,106; Feb. 24; Gaz. vol. 199; p. 1022.
- Slick, Edwin E., Westmont borough, Pa. Rail. No. 1,093,212; Apr. 14; Gaz. vol. 201; p. 408.
- Slick, Edwin E., Westmont borough, Pa. Spliced reinforcing-bar. No. 1,109,258; Sept. 1; Gaz. vol. 206; p. 142.
- Slick, Edwin E., Westmont borough, Pa. Making splice-bars. No. 1,121,676; Dec. 22; Gaz. vol. 209; p. 1087.
- Slick, Edwin E., Westmont borough, Pa. Composite rail. No. 1,121,677; Dec. 22; Gaz. vol. 209; p. 1087.
- Slick, Edwin E., and J. H. Nicholson, assignors to Shenango Manufacturing Company, Pittsburgh, Pa. Making containers for gas and the like. No. 1,084,115; Jan. 13; Gaz. vol. 198; p. 314.
- Slick, Edwin E., and J. H. Nicholson, assignors to Shenango Manufacturing Company, Pittsburgh, Pa. Gas-container. No. 1,084,116; Jan. 13; Gaz. vol. 198; p. 315.
- Slife, Theodore M. (See Boyd and Slife.)
- Sliger, Leonard, Indianapolis, Ind. Carbureter. (Re-issue.) No. 13,837; Dec. 1; Gaz. vol. 209; p. 307.
- Slinack, Victor H., assignor to Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Valve for lighting-fixtures. No. 1,089,503; Mar. 10; Gaz. vol. 200; p. 333.
- Slinack, Victor H., assignor to Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Inverted incandescent gas-light. No. 1,089,504; Mar. 10; Gaz. vol. 200; p. 333.
- Slinack, Victor H., assignor to Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Inverted incandescent gas-light. No. 1,089,505; Mar. 10; Gaz. vol. 200; p. 333.
- Slinack, Victor H., assignor to The Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Automatic gas-distributor. No. 1,090,798; Mar. 17; Gaz. vol. 200; p. 817.
- Sliney, Michael J., St. John, New Brunswick, Canada. Envelop-moistener. No. 1,099,945; June 16; Gaz. vol. 203; p. 620.
- Slitski, Joseph J., Jr., Baldwinsville, Mass. Convertible sprinkler and water-pail. No. 1,091,971; Mar. 31; Gaz. vol. 200; p. 1295.
- Slip Scarf Company. (See Keys, William A., assignor.)
- Slipcevic, Andrew, Erie, Pa. Non-skid device. No. 1,105,931; Aug. 4; Gaz. vol. 205; p. 121.
- Sloan, Edward R., Detroit, Mich. Convertible motor and pump. No. 1,085,761; Feb. 3; Gaz. vol. 199; p. 66.
- Sloan, Francis E., assignor to The O. K. Manufacturing & Stamping Company, Baltimore, Md. Spring-frame for beds. No. 1,095,169; Apr. 28; Gaz. vol. 201; p. 1176.
- Sloan, John A., assignor of one-half to J. J. Matulis, Westville, Ill. Piston. No. 1,100,154; June 16; Gaz. vol. 203; p. 694.
- Sloan, Robert A., and J. E. L. Barnes, Liverpool, England. Cigarette-making machine. No. 1,089,680; Mar. 10; Gaz. vol. 200; p. 393.
- Sloan Valve Company. (See Sloan, William E., assignor.)
- Sloan, William B., Cleveland, Tenn. Animal-poke. No. 1,091,972; Mar. 31; Gaz. vol. 200; p. 1295.
- Sloan, William E., Chicago, Ill. Faucet. No. 1,083,467; Jan. 6; Gaz. vol. 198; p. 70.
- Sloan, William E., Chicago, Ill. Valve. No. 1,114,399; Oct. 20; Gaz. vol. 207; p. 778.
- Sloan, William E., assignor to Sloan Valve Company, Chicago, Ill. Flush-valve. No. 1,114,397; Oct. 20; Gaz. vol. 207; p. 777.
- Sloan, William E., assignor to Sloan Valve Company, Chicago, Ill. Flush-valve. No. 1,114,398; Oct. 20; Gaz. vol. 207; p. 778.
- Sloat, Karl, Scranton, Pa. Stop-motion. No. 1,099,772; June 9; Gaz. vol. 203; p. 523.
- Slocumb, Charles E., assignor to F. F. Slocumb & Co., Incorporated, Wilmington, Del. Oiling-off machine. No. 1,101,762; June 30; Gaz. vol. 203; p. 1350.
- Slocumb, Frank F., assignor to F. F. Slocumb & Co., Incorporated, Wilmington, Del. Leather-staking machine. No. 1,101,763; June 30; Gaz. vol. 203; p. 1351.
- Slocumb, John T., Providence, R. I. Steam cooking vessel. No. 1,111,810; Sept. 29; Gaz. vol. 206; p. 1201.
- Slocum, Arthur G., Ensign, Kans. Wheelwright apparatus. No. 1,108,803; Aug. 25; Gaz. vol. 205; p. 1262.
- Slocum, Arthur G., Ensign, Kans. Self-feeder for threshing-machines. No. 1,123,023; Dec. 29; Gaz. vol. 209; p. 1596.
- Slocum, Arthur J. (See Kramer, Frank, assignor.)
- Slocum, Dora E., Kuer, Colo. Steam-boiler. No. 1,097,886; May 26; Gaz. vol. 202; p. 1057.
- Slocum, Edward S., Chicago, Ill. Reflector. No. 1,120,750; Dec. 15; Gaz. vol. 209; p. 727.
- Slocum, Frank E., El Reno, Okla. Shoe-fastener. No. 1,116,142; Nov. 3; Gaz. vol. 208; p. 232.
- Sloper, Thomas, county of Wilts, England. Anchoring member for fabric articles. No. 1,093,213; Apr. 14; Gaz. vol. 201; p. 408.
- Sloper, Thomas, Devizes, England. Flexible chamber for containing air or other fluids and means for making joints in and attachments to the same. No. 1,118,451; Nov. 24; Gaz. vol. 208; p. 1162.
- Sloss, Aaron M. (See Malmstrom, Peter E., assignor.)
- Sloss, Edward P., assignor of two-tenths to E. D. East, one-tenth to H. A. Cowan, and one-tenth to M. M. Cowan, Alliance, Ohio. Window-sash. No. 1,083,865; Jan. 6; Gaz. vol. 198; p. 197.
- Slosson, James S., New Brighton, assignor to Clifford L. Miller & Co., New York, N. Y. Means for making and applying wire ties. No. 1,092,179; Apr. 7; Gaz. vol. 201; p. 19.
- Slotoroff, Abraham, assignor to Sager & Slotoroff, New York, N. Y. Hat. No. 1,114,400; Oct. 20; Gaz. vol. 207; p. 778.
- Slutman, Frank E., Brentwood, Cal. Sling. No. 1,112,866; Oct. 6; Gaz. vol. 207; p. 160.
- Sly, Ethan E., Norwalk, Ohio. Automatic auxiliary air-valve for internal-combustion engines. No. 1,102,303; July 7; Gaz. vol. 204; p. 28.
- Sly, Thomas H., Dunmore, Pa. Grate-bar. No. 1,114,195; Oct. 20; Gaz. vol. 207; p. 706.
- Sly, Wilfred C. (See Sly, William W. and W. C.)
- Sly, Wilfred C., Cleveland, Ohio. Tire-bracket. No. 1,111,189; Sept. 22; Gaz. vol. 206; p. 949.
- Sly, William W., deceased, and W. C. Sly; said W. C. Sly, administrator, assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Sand-blast apparatus. No. 1,116,505; Nov. 10; Gaz. vol. 208; p. 397.
- Slye, Clarence E., Sandwich, Ill. Garment-hanger. No. 1,086,863; Feb. 10; Gaz. vol. 199; p. 495.
- Smaagaard, Gunder P., Cerro Gordo, Minn. Neck-yoke. No. 1,106,417; Aug. 11; Gaz. vol. 205; p. 331.
- Smal, Pierre, Brussels, Belgium. Four-cylinder compound locomotive-engine. No. 1,098,986; June 2; Gaz. vol. 203; p. 213.
- Smalstig, William C., Los Angeles, Cal. Merry-go-round. No. 1,116,143; Nov. 3; Gaz. vol. 208; p. 232.
- Small, Edward F., Atlanta, Ga. Shoulder-brace. No. 1,100,499; June 16; Gaz. vol. 203; p. 812.
- Small, Howard, *et al.*, receivers. (See Fesenbek, Frederick C., assignor.)
- Small, Walter W. (See Leighton, Edgar D., assignor.)
- Small, William T., and C. Bess, Dunsmuir, Cal. Wheel-flange lubricator. No. 1,086,624; Feb. 10; Gaz. vol. 199; p. 411.
- Smalley Manufacturing Company. (See Frick, Orlando C., assignor.)
- Smallman, James W., Blackdown, near Leamington, England. Haulage-clip. No. 1,094,404; Apr. 21; Gaz. vol. 201; p. 847.
- Smallman, James W., Blackdown, near Leamington, England. Haulage-clip. (Reissue.) No. 13,756; June 23; Gaz. vol. 203; p. 1218.
- Smallwood, William S., *et al.* (See Shapiro, Charles H., assignor.)
- Smart, Edmund H., Alnwick, England. Envelop. No. 1,087,513; Feb. 17; Gaz. vol. 199; p. 769.
- Smart, Ezra E., and G. H. Hart, assignors to The Hart Manufacturing Company, Hartford, Conn. Switch. No. 1,098,849; June 2; Gaz. vol. 203; p. 167.
- Smart, J. C. (See Noll and Hollingsworth, assignors.)
- Smart, Walter J., New York, N. Y. Atomizer. No. 1,110,653; Sept. 15; Gaz. vol. 206; p. 718.
- Smathers, John W., Hendersonville, N. C. Whiffletree-iron. No. 1,100,922; June 23; Gaz. vol. 203; p. 1011.
- Smead, Henry O., Newton, Kans. Lubricating journal-box. No. 1,121,302; Dec. 15; Gaz. vol. 209; p. 919.
- Smedal, Greggar, La Crosse, Wis. Attachment for typewriters. No. 1,096,202; May 12; Gaz. vol. 202; p. 385.
- Smedberg, Oscar L., Jamestown, N. Y. Single-piece shelf-bracket. No. 1,083,763; Jan. 6; Gaz. vol. 198; p. 167.
- Smela, John. (See Jubak and Smela.)
- Smedley, William, *et al.* (See Buck, Isaiah D., assignor.)
- Smenner, Frederick D., Fort Wayne, Ind. Pitch-regulating device for ocarinas. No. 1,106,249; Aug. 4; Gaz. vol. 205; p. 229.
- Smeds, Herman, Port Richmond, N. Y. Non-refillable bottle. No. 1,116,336; Nov. 3; Gaz. vol. 208; p. 295.
- Smelser, Henry D., West Plains, Mo. Device for concentrating the rays of the sun. No. 1,111,239; Sept. 22; Gaz. vol. 206; p. 966.
- Smetana, Maximilian, assignor of one-half to W. C. Wittman, Philadelphia, Pa. Impervious bag. No. 1,092,601; Apr. 7; Gaz. vol. 201; p. 165.
- Smethers, James A., assignor to The Beatrice Iron Works, Beatrice, Nebr. Caster-wheel truck attachment for cultivators, &c. No. 1,106,742; Aug. 11; Gaz. vol. 205; p. 448.
- Smid, John E., George, Iowa. Writing-tablet. No. 1,093,082; Apr. 14; Gaz. vol. 201; p. 363.
- Smieja, John. (See Suchla, Thomas, assignor.)
- Smiley, Arthur E., Springfield, assignor to T. A. Barnard, Winchester, Mass. Wrench. No. 1,120,751; Dec. 15; Gaz. vol. 209; p. 727.
- Smiley, Cassius C., Indianapolis, Ind. Egg-carton. No. 1,112,859; Oct. 6; Gaz. vol. 207; p. 157.

Alphabetical list of patentees—Continued.

- Smiley, Cassius C., Indianapolis, Ind. Egg-carton. No. 1,120,752; Dec. 15; Gaz. vol. 209; p. 728.
- Smillie, Thomas W., Washington, D. C., assignor to G. T. Beck, Cody, Wyo. Waterproofing compound. No. 1,087,696; Feb. 17; Gaz. vol. 199; p. 835.
- Smith, Ab C., Warren, Ark. Cable-clamp. No. 1,092,668; Apr. 7; Gaz. vol. 201; p. 187.
- Smith, Abraham L., New York, N. Y., and A. H. Dreux, Bloomfield, N. J., assignors to Scoop Folding Box Company, New York, N. Y. Paper box. No. 1,105,215; July 28; Gaz. vol. 204; p. 1174.
- Smith, Abram E., New York, N. Y. Tank-car. No. 1,093,737; Apr. 21; Gaz. vol. 201; p. 626.
- Smith, Abram E., New York, N. Y. Tank-car. No. 1,100,405; June 16; Gaz. vol. 203; p. 781.
- Smith, Abram E., New York, N. Y. Heater for tanks. No. 1,118,514; Nov. 24; Gaz. vol. 208; p. 1184.
- Smith, Adam M., *et al.* (See Spangler, John H., assignor.)
- Smith, Adolph H., and G. W. Nibbe, Chicago, Ill. Anticreeping device for rails. No. 1,108,525; Aug. 25; Gaz. vol. 205; p. 1168.
- Smith, Adoniram J., Seattle, Wash. Letter-bag attachment. No. 1,099,518; June 9; Gaz. vol. 203; p. 437.
- Smith, Albert D., assignor to National Sewing Machine Company, Belvidere, Ill. Sewing-machine feeding mechanism. No. 1,107,718; Aug. 18; Gaz. vol. 205; p. 840.
- Smith, Alfred F., Ingomar, Pa. Computing attachment for type-writers. No. 1,099,725; June 9; Gaz. vol. 203; p. 508.
- Smith, Alfred H., New York, and H. Wanamaker, Albany, N. Y. Locomotive ash-pan. No. 1,114,196; Oct. 20; Gaz. vol. 207; p. 707.
- Smith, Alfred H., New York, and H. Wanamaker, Albany, N. Y. Locomotive ash-pan. No. 1,114,197; Oct. 20; Gaz. vol. 207; p. 707.
- Smith, Alfred J., deceased; L. F. Smith, administratrix, assignor to A. J. Smith Manufacturing Company, Chicago, Ill. Shooting-gallery. No. 1,121,945; Dec. 22; Gaz. vol. 209; p. 1181.
- Smith, Allan, Berkeley, Cal. Automatic watering-fountain. No. 1,094,755; Apr. 28; Gaz. vol. 201; p. 1033.
- Smith, Allen C. (See Lindquist, Smith, and John.)
- Smith, Allison D., Edinburgh, Scotland. Automatic coupling for railway, tramway, and other vehicles. No. 1,084,367; Jan. 13; Gaz. vol. 198; p. 398.
- Smith, Allison D., Edinburgh, Scotland. Automatic coupling for railway, tramway, and similar vehicles. No. 1,084,368; Jan. 13; Gaz. vol. 198; p. 398.
- Smith, Alvia B., Middlebury, Vt. Twyer. No. 1,101,152; June 23; Gaz. vol. 203; p. 1091.
- Smith, Amos H., New York, N. Y., assignor to American Bank Note Company. Perforating-machine. No. 1,120,753; Dec. 15; Gaz. vol. 209; p. 728.
- Smith, Amos L., Nokesville, Va. Insulator-clamp. No. 1,119,049; Dec. 1; Gaz. vol. 209; p. 54.
- Smith, Andrew, assignor to Smith Metal Perforating Company, San Mateo, Cal. Draining culvert or casing. No. 1,105,539; July 28; Gaz. vol. 204; p. 1290.
- Smith, Annesley D., Mount Vernon, N. Y. Garment-form. No. 1,086,094; Feb. 3; Gaz. vol. 199; p. 185.
- Smith, Arthur G., *et al.* (See Tufford, John G., assignor.)
- Smith, Arthur K., St. Louis, Mo., assignor, by mesne assignments, to Cutler Mail Chute Company, Rochester, N. Y. Mail-chute. No. 1,087,194; Feb. 17; Gaz. vol. 199; p. 656.
- Smith, Arthur K., St. Louis, Mo., assignor, by mesne assignments, to Cutler Mail Chute Company, Rochester, N. Y. Mail-chute. No. 1,087,195; Feb. 17; Gaz. vol. 199; p. 657.
- Smith, Arthur L., Okmulgee, Okla. Paint. No. 1,119,890; Dec. 8; Gaz. vol. 209; p. 376.
- Smith, Arthur F. (See Armstrong and Smith.)
- Smith, Arthur F., Ventura, Cal. Awning for windows. No. 1,104,452; July 21; Gaz. vol. 204; p. 861.
- Smith, Arthur W. (See Farnham, Smith, and Phelps.)
- Smith, Arthur W., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Work-holding means for grinding-machines, lathes, and like machine-tools. No. 1,100,265; June 16; Gaz. vol. 203; p. 732.
- Smith, Arthur W., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,106,898; Aug. 11; Gaz. vol. 205; p. 503.
- Smith, Arthur W., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,110,407; Sept. 15; Gaz. vol. 206; p. 631.
- Smith, Arthur W., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,110,464; Sept. 15; Gaz. vol. 206; p. 652.
- Smith, Arthur W., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,114,198; Oct. 20; Gaz. vol. 207; p. 708.
- Smith, Arthur W., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,116,144; Nov. 3; Gaz. vol. 208; p. 233.
- Smith, Asa M., *et al.* (See Baker, Bert C., assignor.)
- Smith, Augustus, Bayonne, N. J. Lightering vessel. No. 1,090,659; Mar. 17; Gaz. vol. 200; p. 774.
- Smith, Augustus, North Plainfield, assignor to The Bergen Point Iron Works, Bayonne, N. J. Loading device. No. 1,090,658; Mar. 17; Gaz. vol. 200; p. 773.
- Smith, Augustus, Roselle, assignor to Bergen Point Iron Works, Bayonne, N. J. Hoisting apparatus for operating grab-buckets. No. 1,092,669; Apr. 7; Gaz. vol. 201; p. 188.
- Smith, Augustus, Roselle, assignor to Bergen Point Iron Works, Bayonne, N. J. Bucket-hoist. No. 1,092,670; Apr. 7; Gaz. vol. 201; p. 188.
- Smith & Baldrige Machine Company. (See Hollister, Clarence P., assignor.)
- Smith, Benjamin C. (See Riette and Smith.)
- Smith, Benjamin C., Bayonne, assignor to Standard Motor Construction Company, Jersey City, N. J. Gas generator and separator. No. 1,122,038; Dec. 22; Gaz. vol. 209; p. 1215.
- Smith, Benjamin E., Latrobe, Pa. Saw-holder. No. 1,094,939; Apr. 28; Gaz. vol. 201; p. 1095.
- Smith, Bertram C., and W. J. Stevenson, Groveton, Tex. Privy-seat. No. 1,111,037; Sept. 22; Gaz. vol. 206; p. 895.
- Smith and Bro., J. R. (See Gardner, John A., assignor.)
- Smith, C. T. (See Seaman, Delbert O., assignor.)
- Smith Cannery Machines Company. (See Miller, Thomas B., assignor.)
- Smith Cannery Machines Company. (See Miller, Thomas B., assignor.)
- Smith, Carlton L., Saginaw, Mich. Apparatus for grinding plate-glass. No. 1,116,145; Nov. 3; Gaz. vol. 208; p. 233.
- Smith, Charles B. (See Wescott and Smith.)
- Smith, Charles B., *et al.* (See Younger, Charles, assignor.)
- Smith, Charles E., Oak Lawn, R. I. Machine for packaging metallic leaf in rolls. No. 1,089,443; Mar. 10; Gaz. vol. 200; p. 310.
- Smith, Charles E., Oak Lawn, R. I. Machine for packaging metallic leaf in rolls. (Reissue.) No. 13,722; May 5; Gaz. vol. 202; p. 283.
- Smith, Charles E., Saginaw, Mich. Feed device for bean-picking machines. No. 1,096,399; May 12; Gaz. vol. 202; p. 453.
- Smith, Charles E., Saginaw, Mich. Bean-separating machine. No. 1,110,014; Sept. 8; Gaz. vol. 206; p. 450.
- Smith, Charles E., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,113,255; Oct. 13; Gaz. vol. 207; p. 336.
- Smith, Charles F., Bridgeport, Conn., assignor to Mercantile Corporation, New York, N. Y. Envelop-machine. No. 1,118,515; Nov. 24; Gaz. vol. 208; p. 1184.
- Smith, Charles F., Jr. (See Swan, John B., assignor.)
- Smith, Charles F., assignor to Landers, Frary & Clark, New Britain, Conn. Stand for sad-irons. No. 1,101,967; June 30; Gaz. vol. 203; p. 1424.
- Smith, Charles H. (See Condie and Smith.)
- Smith, Charles H., Worcester, Mass. Electric score-board. No. 1,089,798; Mar. 10; Gaz. vol. 200; p. 432.
- Smith, Charles L. (See Gullberg and Smith.)
- Smith, Charles L., Brooklet, Ga. Blow-out patch. No. 1,103,848; July 14; Gaz. vol. 204; p. 612.
- Smith, Charles L., Vinita, Okla. Seed-plate for planters. No. 1,116,636; Nov. 10; Gaz. vol. 208; p. 446.
- Smith, Charles P., Marine City, Mich. Attachment for lamp-burners. No. 1,103,696; July 14; Gaz. vol. 204; p. 562.
- Smith, Charles S., assignor of one-third to D. P. Bloom, Chicago, Ill. Automatic bleed-valve. No. 1,099,888; June 9; Gaz. vol. 203; p. 563.
- Smith, Charles W., Alpena, Mich. Roll-holder. No. 1,086,946; Feb. 10; Gaz. vol. 199; p. 522.
- Smith, Christopher, Orrville, Ohio. Wrench. No. 1,096,763; May 12; Gaz. vol. 202; p. 576.
- Smith, Cicero G., Palisades, Colo., assignor to Smith Spring Wheel Company. Spring-wheel for vehicles. No. 1,105,932; Aug. 4; Gaz. vol. 205; p. 121.
- Smith, Clarence E. (See Mesker, Edwards, Smith, Stephens, and Seele.)
- Smith, Clarence E., assignor to Double Body Bolster Co., St. Louis, Mo. Equalizing car-truck. No. 1,107,857; Aug. 18; Gaz. vol. 205; p. 888.
- Smith, Clarence R., and A. H. Tucker, Providence, R. I. Valve-remover. No. 1,100,155; June 16; Gaz. vol. 203; p. 694.
- Smith, Clarence V., administrator. (See Force, John W.)
- Smith, Clark J., Ottumwa, Iowa. Pneumatic rock-drill. No. 1,086,625; Feb. 10; Gaz. vol. 199; p. 411.
- Smith, Clark J., Ottumwa, Iowa. Pneumatic rock-drill. No. 1,119,198; Dec. 1; Gaz. vol. 209; p. 104.
- Smith, Clement, Topeka, Kans. Hernial truss. No. 1,095,743; May 5; Gaz. vol. 202; p. 195.
- Smith, Clyde H., and F. L. Parkman, Skowhegan, Me. Detachable pipe-coupling. No. 1,120,340; Dec. 8; Gaz. vol. 209; p. 535.
- Smith, Connor L., Concord, N. C. Combination cash, journal, and ledger book. No. 1,117,609; Nov. 17; Gaz. vol. 208; p. 825.
- Smith, Daniel H., Settlement, Ark. Iron fence-post. No. 1,085,363; Jan. 27; Gaz. vol. 198; p. 801.
- Smith, Daniel W., Chicago, Ill., assignor to International Harvester Company of New Jersey. Wheel-hub and bearing-sleeve. No. 1,118,691; Nov. 24; Gaz. vol. 208; p. 1245.

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- Smith, David, Cabool, Mo. Oil-burner. No. 1,087,896; Feb. 17; Gaz. vol. 199; p. 901.
- Smith, David, Douglas, Wyo. Flying-machine. No. 1,114,401; Oct. 20; Gaz. vol. 207; p. 779.
- Smith, Dempster M., Washington, D. C. Motor-vehicle. No. 1,085,501; Jan. 27; Gaz. vol. 198; p. 846.
- Smith, Dempster M., Washington, D. C. Controlling system for motor-vehicles. No. 1,115,120; Oct. 27; Gaz. vol. 207; p. 1086.
- Smith, Dewitt T., Scio, Ohio. Internal-combustion engine. No. 1,121,678; Dec. 22; Gaz. vol. 209; p. 1087.
- Smith, Douglas. (See Smith, Elizabeth J. and D.)
- Smith, Drum & Company. (See Skitt, James H., assignor.)
- Smith, Earl S., *et al.* (See Baker, Bert C., assignor.)
- Smith, Earnest B., Bucklin, Kans. Rotary gas-engine. No. 1,086,095; Feb. 3; Gaz. vol. 199; p. 185.
- Smith, Edgar M., Chicago, Ill. Reinforced rail-joint. No. 1,086,734; Feb. 10; Gaz. vol. 199; p. 448.
- Smith, Edgar M., Chicago, Ill. Rail-joint. No. 1,090,504; Mar. 17; Gaz. vol. 200; p. 721.
- Smith, Edgar M., Chicago, Ill. Anticreeping railway-rail. No. 1,094,606; Apr. 28; Gaz. vol. 201; p. 977.
- Smith, Edgar W., assignor of one-half to A. J. McLeod, Carbon, Alberta, Canada. Harrow. No. 1,108,261; Aug. 25; Gaz. vol. 205; p. 1076.
- Smith, Edmund S., Jamestown, N. Y. Portable rubbing and sanding machine. No. 1,122,233; Dec. 22; Gaz. vol. 209; p. 1279.
- Smith, Edward, London, England. Metal alloy. No. 1,114,055; Oct. 20; Gaz. vol. 207; p. 655.
- Smith, Edward W., Philadelphia, Pa. Electric-storage-battery negative-pole plate. No. 1,085,707; Feb. 3; Gaz. vol. 199; p. 45.
- Smith, Edward W., Philadelphia, Pa. Retaining envelop or cover for storage-battery electrodes. No. 1,086,864; Feb. 10; Gaz. vol. 199; p. 496.
- Smith, Edward W., Philadelphia, Pa. Making and filling storage-battery plates or electrodes. No. 1,101,968; June 30; Gaz. vol. 203; p. 1425.
- Smith & Egge Manufacturing Co., The. (See Anderson, John A., assignor.)
- Smith, Elberon D., Brooklyn, assignor to American Machine & Foundry Company, New York, N. Y. Cigarette-rod-sealing device. No. 1,084,044; Jan. 13; Gaz. vol. 198; p. 290.
- Smith, Elberon D., Brooklyn, assignor to American Machine & Foundry Company, New York, N. Y. Cigarette-machine. No. 1,090,889; Mar. 24; Gaz. vol. 200; p. 881.
- Smith, Elberon D., Brooklyn, assignor to American Machine & Foundry Company, New York, N. Y. Cigarette-opening device. No. 1,091,775; Mar. 31; Gaz. vol. 200; p. 1228.
- Smith, Elberon D., Brooklyn, assignor to American Machine & Foundry Company, New York, N. Y. Cigarette-packing machine. No. 1,114,053; Oct. 20; Gaz. vol. 207; p. 655.
- Smith, Elberon D., and B. E. Teale, Brooklyn, assignors to American Tobacco Company, New York, N. Y. Cigarette-packing machine. No. 1,122,641; Dec. 29; Gaz. vol. 209; p. 1458.
- Smith, Elda G. (See Dossert and Smith.)
- Smith, Elda G., and J. J. Dossert, assignors to Crouse-Hinds Company, Syracuse, N. Y. Incandescent-electric-lamp fixture. No. 1,119,050; Dec. 1; Gaz. vol. 209; p. 54.
- Smith, Elizabeth J. and D., Larchmont, N. Y. Pronged-fastener-setting machine. No. 1,118,312; Nov. 24; Gaz. vol. 208; p. 1110.
- Smith, Elmer J., assignor to Peter Smith Heater Company, Detroit, Mich. Heating apparatus. No. 1,089,728; Mar. 10; Gaz. vol. 200; p. 409.
- Smith, Elmer L., West Union, W. Va. Clevis. No. 1,113,256; Oct. 13; Gaz. vol. 207; p. 336.
- Smith, Ernest C., Hoosick Falls, N. Y. Golf-tee. No. 1,103,091; July 14; Gaz. vol. 204; p. 348.
- Smith, Esmond M., assignor to The Multi-Lux Illuminating Company, Cleveland, Ohio. Lighting-fixture. No. 1,106,685; Aug. 11; Gaz. vol. 205; p. 428.
- Smith, Ezra S., Attleboro, Mass., assignor to R. F. Simmons Company. Detachable link. No. 1,121,770; Dec. 22; Gaz. vol. 209; p. 1118.
- Smith, Francis H., St. Mary, Ky., assignor to S. B. Smith, Annadel, Tenn. Truck. No. 1,092,544; Apr. 7; Gaz. vol. 201; p. 145.
- Smith, Francis M., Raymond, Wash. Snatch-block. No. 1,114,814; Oct. 27; Gaz. vol. 207; p. 976.
- Smith, Francis M., Mayger, Oreg. Snatch-block. No. 1,122,545; Dec. 29; Gaz. vol. 209; p. 1424.
- Smith, Francis W. (See Llewellyn, William A., assignor.)
- Smith, Frank A., assignor to Static Electro Eradicator, Incorporated, Syracuse, N. Y. Static electric eradicator. No. 1,093,491; Apr. 14; Gaz. vol. 201; p. 500.
- Smith, Frank F., Newark, N. J. Fireproof window-stop. No. 1,112,335; Sept. 29; Gaz. vol. 206; p. 1380.
- Smith, Frank F., Newark, N. J. Door-lock. No. 1,117,457; Nov. 17; Gaz. vol. 208; p. 773.
- Smith, Frank J., assignor of one-half to California Fruit Canners Association, San Francisco, Cal. Can-body-flanging machine. No. 1,114,301; Oct. 20; Gaz. vol. 207; p. 744.
- Smith, Frank L., Chicago, Ill., and T. B. Williams, Orange, Mass., assignors to The Leavitt Machine Company. Rotary cutting mechanism. No. 1,090,243; Mar. 17; Gaz. vol. 200; p. 629.
- Smith, Frank L., Dayton, Ohio. Garment. No. 1,111,975; Sept. 29; Gaz. vol. 206; p. 1256.
- Smith, Frank R., Toronto, Ontario, Canada. Machine for sorting fruit. No. 1,118,957; Dec. 1; Gaz. vol. 209; p. 18.
- Smith, Frank V., Floriston, Cal. Magnetic vibrator. No. 1,111,038; Sept. 22; Gaz. vol. 206; p. 895.
- Smith, Frank W. (See McCoy and Sprong, assignors.)
- Smith, Frank W. (See Sprong and McCoy, assignors.)
- Smith, Franklin E., Weymouth, assignor to Vickers Limited, Westminster, England. Automobile torpedo. No. 1,092,759; Apr. 7; Gaz. vol. 201; p. 218.
- Smith, Franklin P. (See McClure, Edward, assignor.)
- Smith, Franklin S., Philadelphia, Pa., assignor to Electri-Sterilizing Company, Dover, Del. Apparatus for treating articles with X-rays. No. 1,095,473; May 5; Gaz. vol. 202; p. 103.
- Smith, Fred L. (See Gaudreau, Peter O., assignor.)
- Smith, Fred L., and P. O. Gaudreau, Burlington, Vt. Electric mail-box. No. 1,119,463; Dec. 1; Gaz. vol. 209; p. 193.
- Smith, Frederick, Worcester, Mass., assignor to Harrington & Richardson Arms Company. Trigger-locking device. No. 1,119,124; Dec. 1; Gaz. vol. 209; p. 78.
- Smith, Frederick K., New York, N. Y. Toilet-box. No. 1,095,744; May 5; Gaz. vol. 202; p. 195.
- Smith, Frederick W., assignor to Smith Organ Company, Inc., North Tonawanda, N. Y. Tracker-board for self-playing musical instruments. No. 1,111,328; Sept. 22; Gaz. vol. 206; p. 995.
- Smith, Garfield P., Provincetown, Mass. Indicator for submarine vessels. No. 1,120,417; Dec. 8; Gaz. vol. 209; p. 561.
- Smith, Gary B., Chicago, Ill. Bed-fabric-making machine. No. 1,114,402; Oct. 20; Gaz. vol. 207; p. 779.
- Smith, Gary B., Chicago, Ill. Machine for making cross-tie links. No. 1,116,506; Nov. 10; Gaz. vol. 208; p. 397.
- Smith, George. (See Johnson, James B., assignor.)
- Smith, George, Eagle Grove, Iowa. Rail-retainer. No. 1,120,098; Dec. 8; Gaz. vol. 209; p. 447.
- Smith, George A., South Hill, Va. Throw-off device. No. 1,112,727; Oct. 6; Gaz. vol. 207; p. 112.
- Smith, George D., Paterson, N. J. Paper receptacle. No. 1,092,868; Apr. 14; Gaz. vol. 201; p. 291.
- Smith, George D., Bicknell, Ind. Rope or cable lubricator. No. 1,102,965; July 7; Gaz. vol. 204; p. 257.
- Smith, George D., Sandon, British Columbia, Canada. Chair. No. 1,117,712; Nov. 17; Gaz. vol. 208; p. 864.
- Smith, George E., Los Angeles, Cal. Pitman. No. 1,086,474; Feb. 10; Gaz. vol. 199; p. 358.
- Smith, George H., Nutley, N. J., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,087,990; Feb. 24; Gaz. vol. 199; p. 981.
- Smith, George H., deceased; N. E. Smith, administratrix, Aspinwall, Pa. Hot-blast stove. No. 1,114,403; Oct. 20; Gaz. vol. 207; p. 779.
- Smith, George L. (See Cosgrove and Smith.)
- Smith, George P., St. Louis, Mo. Lock for automobile clutch-levers. No. 1,084,237; Jan. 13; Gaz. vol. 198; p. 356.
- Smith, George R. (See Clark and Smith.)
- Smith, George W., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Milling-machine. No. 1,094,940; Apr. 28; Gaz. vol. 201; p. 1096.
- Smith, George W., and W. W. Becker, Buffalo, N. Y. Bath-mat. No. 1,099,671; June 9; Gaz. vol. 203; p. 490.
- Smith, George W., Monticello, Ky. Tire-shield. No. 1,122,652; Dec. 29; Gaz. vol. 209; p. 1462.
- Smith, George W., Swampscott, assignor to A. E. Little & Company, Lynn, Mass. Making welt-shoes. No. 1,119,729; Dec. 1; Gaz. vol. 209; p. 284.
- Smith, Gertrude, Valdosta, Ga. Liquid-applying device. No. 1,088,797; Mar. 3; Gaz. vol. 200; p. 42.
- Smith, Gertrude, Valdosta, Ga. Fountain shampoo-comb. No. 1,113,843; Oct. 13; Gaz. vol. 207; p. 543.
- Smith, Gilman B., Montclair, N. J. Buttonhole-tape. No. 1,100,923; June 23; Gaz. vol. 203; p. 1012.
- Smith, Gilman B., Montclair, N. J. Loop-tape. No. 1,108,262; Aug. 25; Gaz. vol. 205; p. 1076.
- Smith, Goodwin B., Philadelphia, Pa. Bust-supporter. No. 1,095,681; May 5; Gaz. vol. 202; p. 174.
- Smith, Goodwin B., Philadelphia, Pa. Ruffle-waist. No. 1,118,313; Nov. 24; Gaz. vol. 208; p. 1111.
- Smith, Gray & Co. (See Rummier, Edgar F., assignor.)
- Smith, Guy O., Newton, Mass. Cast-off for suspenders. No. 1,105,933; Aug. 4; Gaz. vol. 205; p. 122.
- Smith, H. Bridgman. (See Kratky, Anton, assignor.)
- Smith, Harald, Magdeburg, Germany. Sound-magnifying appliance for telephonic and telegraphic purposes. No. 1,113,499; Oct. 13; Gaz. vol. 207; p. 424.
- Smith, Harold T., Willis, assignor of one-half to B. L. Cornelius, Nickerson, Kans. Oil-burner. No. 1,096,063; May 12; Gaz. vol. 202; p. 339.
- Smith, Harry. (See Holdsworth, Willie, assignor.)
- Smith, Harry B., Brooklyn, N. Y. Edging-strip for paper boxes. No. 1,114,054; Oct. 20; Gaz. vol. 207; p. 655.

Alphabetical list of patentees—Continued.

- Smith, Harry C. (See Peterson and Smith.)
 Smith, Harry E. (See Beebe and Smith.)
 Smith, Harry F., Lexington, Ohio. Gas-producer. No. 1,098,059; May 26; Gaz. vol. 202; p. 1118.
 Smith, Harry F., Lexington, Ohio. Apparatus for purifying gas. No. 1,099,773; June 9; Gaz. vol. 203; p. 524.
 Smith, Harry J., Lakewood, assignor to The Hill Clutch Company, Cleveland, Ohio. Friction-clutch. No. 1,083,301; Jan. 6; Gaz. vol. 198; p. 14.
 Smith, Harry J., Lakewood, assignor to The Hill Clutch Company, Cleveland, Ohio. Concrete anchor. No. 1,089,874; Mar. 10; Gaz. vol. 200; p. 459.
 Smith, Harry W., North Grafton, Mass., assignor to Crompton & Knowles Loom Works. Loom. No. 1,107,553; Aug. 18; Gaz. vol. 205; p. 779.
 Smith, Harry W., North Grafton, Mass., assignor to Crompton & Knowles Loom Works. Loom. No. 1,119,372; Dec. 1; Gaz. vol. 209; p. 163.
 Smith, Harvey E., assignor of one-half to R. C. Johnson, Represa, Cal. Boat construction. No. 1,090,349; Mar. 17; Gaz. vol. 200; p. 665.
 Smith, Harvey M., assignor of one-half to D. Herzog, Mooresville, Ind. Explosive-mixture heater and diluter. No. 1,117,141; Nov. 10; Gaz. vol. 208; p. 622.
 Smith, Harvey W., Selinsgrove, Pa. Grain and seed cleaner. No. 1,097,887; May 26; Gaz. vol. 202; p. 1057.
 Smith & Hemenway Company. (See Woodward, Frank R., assignor.)
 Smith, Henry A., Elgin, Ill. Safety ripper and case. No. 1,104,563; July 21; Gaz. vol. 204; p. 902.
 Smith, Henry G., assignor to B. A. Ballou & Company, Inc., Providence, R. I. Pin. No. 1,122,810; Dec. 29; Gaz. vol. 209; p. 1519.
 Smith, Henry J., New York, N. Y. Transfer-ticket. (Re-issue.) No. 1,3757; June 23; Gaz. vol. 203; p. 1219.
 Smith, Henry L., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Pointing-tool. No. 1,108,407; Aug. 25; Gaz. vol. 205; p. 1126.
 Smith, Herbert E., Manchester, N. H. Winding-machine. No. 1,104,840; July 28; Gaz. vol. 204; p. 1045.
 Smith, Herbert H., Bayshore, N. Y. Binder for hollow tile building-blocks. No. 1,113,585; Oct. 13; Gaz. vol. 207; p. 452.
 Smith, Herman W., *et al.* (See Johnson, Walter N., assignor.)
 Smith, Horace M., assignor to The Liquid Carbonic Company, Chicago, Ill. Filling-machine. No. 1,086,566; Feb. 10; Gaz. vol. 199; p. 390.
 Smith, Irving B., Ambler, assignor to The Leeds & Northrop Company, Philadelphia, Pa. Resistance set. No. 1,104,841; July 28; Gaz. vol. 204; p. 1045.
 Smith, Irving B., assignor to Electrelle Company, Philadelphia, Pa. Automatic musical-instrument player. No. 1,109,554; Sept. 1; Gaz. vol. 206; p. 243.
 Smith, Irving B., assignor to Electrelle Company, Philadelphia, Pa. Phrasing-bar for musical instruments. No. 1,112,166; Sept. 29; Gaz. vol. 206; p. 1321.
 Smith, Irvin D., Lehighton, Pa. Door-stop. No. 1,119,650; Dec. 1; Gaz. vol. 209; p. 258.
 Smith, Irving R., assignor to Sterling Wheelbarrow Company, Milwaukee, Wis. Foundry-flask. No. 1,113,500; Oct. 13; Gaz. vol. 207; p. 424.
 Smith, Irving R., assignor to Sterling Wheelbarrow Company, Milwaukee, Wis. Foundry-flask. No. 1,122,321; Dec. 29; Gaz. vol. 209; p. 1349.
 Smith, J. A., *et al.* (See Ramsey, William H., assignor.)
 Smith, Jabez M., Malvern, Ark. Type-writer. No. 1,110,513; Sept. 15; Gaz. vol. 206; p. 669.
 Smith, Jacob. (See Dilyock, Harry, assignor.)
 Smith, Jacob. (See Eccard and Smith.)
 Smith, Jacob A., assignor to Reliable Electric Company, Chicago, Ill. Support for electric-lamp sockets. No. 1,105,855; Aug. 4; Gaz. vol. 205; p. 94.
 Smith, Jacob E. (See Mechling and Smith.)
 Smith, James, and S. F. Warner, Elmhurst, N. Y. Headlight. No. 1,091,400; Mar. 24; Gaz. vol. 200; p. 1054.
 Smith, James A. (See Fennell, Bailey M., assignor.)
 Smith, James A., Dundee, Tex. Spring-caster. No. 1,099,075; June 2; Gaz. vol. 203; p. 240.
 Smith, James B., San Saba, Tex. Windmill. No. 1,100,332; June 16; Gaz. vol. 203; p. 754.
 Smith, James C., Valdosta, Ga. Corn-seeder, &c. No. 1,099,774; June 9; Gaz. vol. 203; p. 524.
 Smith, James C., Portland, Ore. Window-screen. No. 1,102,094; June 30; Gaz. vol. 203; p. 1469.
 Smith, James C., assignor to The Machine Parts Company, Elyria, Ohio. Vehicle. No. 1,085,176; Jan. 27; Gaz. vol. 198; p. 736.
 Smith, James C., assignor to The Machine Parts Company, Elyria, Ohio. Vehicle. No. 1,103,226; July 14; Gaz. vol. 204; p. 397.
 Smith, James C., assignor to The Machine Parts Company, Elyria, Ohio. Vehicle. No. 1,105,216; July 28; Gaz. vol. 204; p. 1174.
 Smith, James E., Clinton, Iowa. Tire. No. 1,086,947; Feb. 10; Gaz. vol. 199; p. 522.
 Smith, James H., Buckeystown, Md. Shaft attachment. No. 1,091,024; Mar. 24; Gaz. vol. 200; p. 929.
 Smith, James H., Buckeystown, Md. Adjustable sanitary cuspidor. No. 1,106,163; Aug. 4; Gaz. vol. 205; p. 202.
 Smith, James H., New Holland, Ga. Quill-cleaner. No. 1,091,595; Mar. 31; Gaz. vol. 200; p. 1164.
 Smith, James H., Port Murry, N. J. Automatic safety device for locomotives. No. 1,109,798; Sept. 8; Gaz. vol. 206; p. 371.
 Smith, James J., Oakland, Md., assignor to L. S. Smith and Son Company, Pittsburgh, Pa. Display-holder for abrasive disks or wheels. No. 1,086,409; Feb. 10; Gaz. vol. 199; p. 334.
 Smith, James L., Princeton, Ind. Fire-escape. No. 1,115,603; Nov. 3; Gaz. vol. 208; p. 46.
 Smith, James R., Howell, Ind. Float-valve for pumps. No. 1,110,354; Sept. 15; Gaz. vol. 206; p. 612.
 Smith, James R., Mechanicsville, N. Y. Pipe and tube cutter. No. 1,112,728; Oct. 6; Gaz. vol. 207; p. 112.
 Smith, James R., and P. E. Williams, Ryan, Okla. Bed. No. 1,088,468; Feb. 24; Gaz. vol. 199; p. 1144.
 Smith, James R., and P. E. Williams, Ryan, Okla. Box packing and covering machine. No. 1,116,337; Nov. 3; Gaz. vol. 208; p. 295.
 Smith, James S., Montreal, Quebec, Canada. Vehicle-spring. No. 1,111,924; Sept. 29; Gaz. vol. 206; p. 1240.
 Smith, Jay F., assignor of one-third to M. F. Towne and one-third to W. S. Coburn, Hotchkiss, Colo. Box-press. No. 1,105,463; July 28; Gaz. vol. 204; p. 1264.
 Smith, Jerome T., Scotland, S. D. Water-heater. No. 1,099,519; June 9; Gaz. vol. 203; p. 437.
 Smith, Jesse A. B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,107,372; Aug. 18; Gaz. vol. 205; p. 716.
 Smith, Jesse C., Kansas City, Mo. Automatic card-exhibiting device. No. 1,094,607; Apr. 28; Gaz. vol. 201; p. 977.
 Smith, John, *et al.* (See Hoelscher, Gottlieb H., assignor.)
 Smith, John. (See Utard and Smith.)
 Smith, John, Pooler, Ga. Plane. No. 1,102,095; June 30; Gaz. vol. 203; p. 1470.
 Smith, John, assignor to The American Iron Roofing Company, Middletown, Ohio. Metallic building member. No. 1,121,679; Dec. 22; Gaz. vol. 209; p. 1087.
 Smith, John A. (See Clippinger and Smith.)
 Smith, John A., Harrisburg, Pa., assignor to Elliott-Fisher Company, New York, N. Y. Register for adding-machines. No. 1,086,410; Feb. 10; Gaz. vol. 199; p. 335.
 Smith, John A., Harrisburg, Pa., assignor to Elliott-Fisher Company, New York, N. Y. Register for adding-machines. No. 1,114,056; Oct. 20; Gaz. vol. 207; p. 655.
 Smith, John A., Bellevue, Ky., assignor to The United States Electrical Tool Company, Cincinnati, Ohio. Snap electric switch. No. 1,095,474; May 5; Gaz. vol. 202; p. 104.
 Smith, John B., Alta, Iowa. Cutting and pasting table. No. 1,084,496; Jan. 13; Gaz. vol. 198; p. 437.
 Smith, John C. (See Winkley and Smith.)
 Smith, John C., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Die. No. 1,087,196; Feb. 17; Gaz. vol. 199; p. 657.
 Smith, John C., Louisville, Ky. System of elevator control. No. 1,109,707; Sept. 8; Gaz. vol. 206; p. 342.
 Smith, John C., Salt Lake City, Utah. Shaking ore-concentrator. No. 1,118,593; Nov. 24; Gaz. vol. 208; p. 1212.
 Smith, John E., Laurel, and W. F. Sult, Gilman, assignors to Sunlight Hat Co., Marshalltown, Iowa. Ventilated hat. No. 1,103,012; July 7; Gaz. vol. 204; p. 274.
 Smith, John G., Wahoo, Nebr. Snap-fastener. No. 1,106,122; Aug. 11; Gaz. vol. 205; p. 577.
 Smith, John H., Denton, Nebr. Draft appliance. No. 1,087,842; Feb. 17; Gaz. vol. 199; p. 883.
 Smith, John H., Bois-Colombes, France. Sensitizing dye-stuffs employed in photography. No. 1,089,594; Mar. 10; Gaz. vol. 200; p. 364.
 Smith, John H., La Garenne-Colombes, France. Introducing water-insoluble oils into emulsions of water-soluble bodies. No. 1,096,465; May 12; Gaz. vol. 202; p. 476.
 Smith, John J. C., Passaic, assignor to P. M. Hammalian, Hackensack, N. J. Stereotype. No. 1,083,890; Jan. 6; Gaz. vol. 198; p. 204.
 Smith, John Q., and A. B. Hoover, Paola, Kans. Sectional flooring. No. 1,110,833; Sept. 15; Gaz. vol. 206; p. 781.
 Smith, John R., McDonough, Ga. Gin-saw-dressing machine. No. 1,107,456; Aug. 18; Gaz. vol. 205; p. 747.
 Smith, John R., Haynesville, La. Fertilizer-distributor. No. 1,108,263; Aug. 25; Gaz. vol. 205; p. 1077.
 Smith, John W. (See Hollandt and Smith.)
 Smith, John W., assignor of one-half to E. M. Ramsey, Hutchinson, Kans. Stalk-cutter. No. 1,111,925; Sept. 29; Gaz. vol. 206; p. 1241.
 Smith, Joseph. (See Erickson, Claus, assignor.)
 Smith, Joseph, Manchester, England. Adjustable-spring seat-pillar and saddle-support for motor-cycles. No. 1,092,407; Apr. 7; Gaz. vol. 201; p. 98.
 Smith, Joseph A., Attleboro, Mass. Plating. No. 1,104,842; July 28; Gaz. vol. 204; p. 1046.

Alphabetical list of patentees—Continued.

- Smith, Joseph E., Erdenheim, Pa. Boot and shoe. No. 1,102,096; June 30; Gaz. vol. 203; p. 1470.
- Smith, Joseph G. (See Ellison and Smith.)
- Smith, Joseph J., New York, N. Y., assignor to W. Firth, Chestnut Hill, Mass. Pneumatic dust-remover for carding-engines. No. 1,092,804; Apr. 7; Gaz. vol. 201; p. 233.
- Smith, Joseph J., New York, N. Y., assignor to W. Firth, Chestnut Hill, Mass. Pneumatic dust-collector. No. 1,122,039; Dec. 22; Gaz. vol. 209; p. 1215.
- Smith, Joseph R., assignor to The Waterbury Button Company, Waterbury, Conn. Self-winding device for eyeglass-cords and the like. No. 1,120,341; Dec. 8; Gaz. vol. 209; p. 535.
- Smith, Joseph S., Jr., New York, N. Y. Vehicle top-bow holder. No. 1,120,418; Dec. 8; Gaz. vol. 209; p. 562.
- Smith, Joseph W. (See Mitchell, William S., assignor.)
- Smith, Josiah L. (See Smith, Oliver H. and J. L.)
- Smith, Kenneth. (See Smith, Neville and K.)
- Smith, Leon F., New York, N. Y. Kodak-support. No. 1,115,253; Oct. 27; Gaz. vol. 207; p. 1133.
- Smith, Lewis C., *et al.* (See Johnson, Walter N., assignor.)
- Smith, Lewis H., Olean, N. Y. Drill-chuck. No. 1,087,330; Feb. 17; Gaz. vol. 199; p. 705.
- Smith, Lillian F., administratrix. (See Smith, Alfred J.)
- Smith, Linsey F., Rockford, Ala. Grading-machine. No. 1,107,457; Aug. 18; Gaz. vol. 205; p. 747.
- Smith, Lloyd E., Charleston, W. Va. Flushing apparatus for submerged water-pipes. No. 1,085,502; Jan. 27; Gaz. vol. 198; p. 846.
- Smith, Louis, Chicago, Ill. Paper-pad holder. No. 1,109,708; Sept. 8; Gaz. vol. 206; p. 342.
- Smith, Louis B., Lewistown, Mont. Combination-tool. No. 1,113,844; Oct. 13; Gaz. vol. 207; p. 543.
- Smith, Louis P., and J. H. Heaverside, Cleveland, Ohio. Pavement. No. 1,093,738; Apr. 21; Gaz. vol. 201; p. 626.
- Smith, Louis R., Denver, assignor to Universal Indexing Company, Colorado Springs, Colo. Applying indexes to the edges of books. No. 1,119,997; Dec. 8; Gaz. vol. 209; p. 413.
- Smith, Louis T. (See Smith, Theron A. and L. T.)
- Smith, Love A. (See Day and Smith.)
- Smith, Magnus, New York, N. Y., assignor, by mesne assignments, to Continental Motion Picture Company, Inc. Kinematographic apparatus. No. 1,105,163; July 28; Gaz. vol. 204; p. 1155.
- Smith, Martin H., New York, N. Y. Capsule. No. 1,087,843; Feb. 17; Gaz. vol. 199; p. 883.
- Smith, Martin J., Brockton, Mass. Combined window shade and shutter. No. 1,095,292; May 5; Gaz. vol. 202; p. 41.
- Smith, Martin J., Brockton, Mass. Vehicle-spring. No. 1,108,479; Aug. 25; Gaz. vol. 205; p. 1152.
- Smith, Marvin A., *et al.* (See Marker, Henry H., assignor.)
- Smith, Melville B., New York, N. Y. Cranking device. No. 1,121,680; Dec. 22; Gaz. vol. 209; p. 1088.
- Smith Metal Perforating Company. (See Smith, Andrew, assignor.)
- Smith, Michael, Passaic, N. J., assignor to The Rapid Electrotape Company, Cincinnati, Ohio. Production of matrices or molds for printing-plates. No. 1,093,015; Apr. 14; Gaz. vol. 201; p. 340.
- Smith, Michael, Bisbee, Ariz. Rock-drill. No. 1,116,146; Nov. 3; Gaz. vol. 208; p. 233.
- Smith, Millard, St. Louis, Mo. Window. No. 1,089,087; Mar. 3; Gaz. vol. 200; p. 141.
- Smith, Millard, St. Louis, Mo. Metallic window. No. 1,101,216; June 23; Gaz. vol. 203; p. 1114.
- Smith & Mills Company, The. (See Mills, James, assignor.)
- Smith, Milton A., Tallahassee, Fla. Kindling-fuel. No. 1,084,369; Jan. 13; Gaz. vol. 198; p. 398.
- Smith, Morton G., Washington, Pa. Cuspidor-stand. No. 1,112,320; Sept. 29; Gaz. vol. 206; p. 1344.
- Smith, Myron A., Rockville Center, N. Y. Crushing-roller. No. 1,089,017; Mar. 3; Gaz. vol. 200; p. 117.
- Smith, Nathaniel E., Elizabeth, N. J., assignor of one-half to E. G. Lang, New York, N. Y. Angle-scale attachment for folding rules. No. 1,121,303; Dec. 15; Gaz. vol. 209; p. 920.
- Smith, Nellie E., administratrix. (See Smith, George H.)
- Smith, Neville and K., London, England. Carbureter. No. 1,101,345; June 23; Gaz. vol. 203; p. 1157.
- Smith, Norman R., Red Bluff, Cal. Balanced automatic air-lift. No. 1,112,099; Sept. 29; Gaz. vol. 206; p. 1297.
- Smith, Oberlin, Bridgeton, N. J. Clutch. No. 1,086,865; Feb. 10; Gaz. vol. 199; p. 496.
- Smith, Oliver H., Slateford, Pa., and J. L. Smith, Southern Pines, N. C. Means for the interchange of messages between a station and a moving car. No. 1,083,866; Jan. 6; Gaz. vol. 198; p. 197.
- Smith, Oliver H., Washington, D. C. Mail-marker. No. 1,107,630; Aug. 18; Gaz. vol. 205; p. 808.
- Smith, Orbin F., and A. C. Lindgren, Moline, Ill., assignors to Moline Plow Company. Plow-adjusting mechanism. No. 1,103,543; July 14; Gaz. vol. 204; p. 504.
- Smith Organ Company. (See Smith, Frederick W., assignor.)
- Smith, Orland V., Milford, Conn. Account deposit-book. No. 1,101,346; June 23; Gaz. vol. 203; p. 1157.
- Smith, Oscar A., assignor to The National-Acme Manufacturing Company, Cleveland, Ohio. Self-opening die. No. 1,085,762; Feb. 3; Gaz. vol. 199; p. 66.
- Smith, Oscar A., assignor to The National-Acme Manufacturing Company, Cleveland, Ohio. Metal-working machine. No. 1,104,147; July 21; Gaz. vol. 204; p. 755.
- Smith, Oscar A., assignor to The National-Acme Manufacturing Company, Cleveland, Ohio. Metal-working machine. No. 1,111,411; Sept. 22; Gaz. vol. 206; p. 1024.
- Smith, Oscar A., assignor to The National-Acme Manufacturing Company, Cleveland, Ohio. Spring-die. No. 1,111,412; Sept. 22; Gaz. vol. 206; p. 1024.
- Smith, Oscar A., assignor to The National-Acme Manufacturing Company, Cleveland, Ohio. Double-ended tap. No. 1,111,413; Sept. 22; Gaz. vol. 206; p. 1024.
- Smith, Oscar E. (See Vail and Smith.)
- Smith, Oscar L., assignor to S. D. Young, trustee, Grand Rapids, Mich. Display device. No. 1,099,132; June 2; Gaz. vol. 203; p. 259.
- Smith, Oscar L., Grand Rapids, Mich. Display device. No. 1,115,604; Nov. 3; Gaz. vol. 208; p. 47.
- Smith, Paschall W., Seattle, Wash. Wire-working tool. No. 1,117,458; Nov. 17; Gaz. vol. 208; p. 774.
- Smith, Paul J., Galetton, Pa. Bolster mechanism for motor-vehicles. No. 1,112,663; Oct. 6; Gaz. vol. 207; p. 90.
- Smith, Paul M., Vancouver, British Columbia, Canada. Spring-hinge. No. 1,122,322; Dec. 29; Gaz. vol. 209; p. 1349.
- Smith, Peter, New Troy, Mich. Garden-cultivator. No. 1,102,097; June 30; Gaz. vol. 203; p. 1471.
- Smith, Perry L., Las Vegas, Nev. Rail-joint. No. 1,087,844; Feb. 17; Gaz. vol. 199; p. 883.
- Smith, Philip H., Pawling, N. Y. Aeroplane. No. 1,110,355; Sept. 15; Gaz. vol. 206; p. 613.
- Smith, Ralph A., and N. Mowery, Wilkes-Barre, Pa. Feed-regulator. No. 1,092,602; Apr. 7; Gaz. vol. 201; p. 165.
- Smith, Ray F., assignor to W. P. Murphy, Chicago, Ill. Release-rigging. No. 1,101,153; June 23; Gaz. vol. 203; p. 1091.
- Smith, Raymond J., Catlin, Ill. Collapsible hog-chute. No. 1,105,004; July 28; Gaz. vol. 204; p. 1100.
- Smith, Reginald G., and E. N. Percy, Oakland, Cal. Orchard-heater. No. 1,091,170; Mar. 24; Gaz. vol. 200; p. 980.
- Smith, Rexford M., Washington, D. C., assignor, by mesne assignments, to Connecticut Aircraft Company, New Haven, Conn. Flying-machine. No. 1,118,375; Nov. 24; Gaz. vol. 208; p. 1134.
- Smith, Rexford M., Washington, D. C., assignor, by mesne assignments, to Connecticut Aircraft Company, New Haven, Conn. Flying-machine. No. 1,118,881; Nov. 24; Gaz. vol. 208; p. 1308.
- Smith, Richard I., Crofton, Nebr. Four-horse evener. No. 1,091,711; Mar. 31; Gaz. vol. 200; p. 1204.
- Smith, Richard J., Gwanda, Rhodesia, South Africa. Rail-joint. No. 1,090,949; Mar. 24; Gaz. vol. 200; p. 902.
- Smith, Richmond, Birkenhead, England. Machinery for splitting cane or like material. No. 1,098,987; June 2; Gaz. vol. 203; p. 214.
- Smith, Robert, assignor to H. B. Gillette, Grand Rapids, Mich., and The Michigan Trust Company, receiver. Machine for finishing rollers. No. 1,098,336; May 26; Gaz. vol. 202; p. 1214.
- Smith, Robert, assignor of one-half to H. B. Gillette, Grand Rapids, Mich., and one-half to The Michigan Trust Company, receiver. Finishing bearing-rollers. No. 1,122,433; Dec. 29; Gaz. vol. 209; p. 1385.
- Smith, Robert B., Quincy, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Eyeletting-machine. No. 1,116,507; Nov. 10; Gaz. vol. 208; p. 397.
- Smith, Robert H., Boston, Mass. Support for drawings. No. 1,085,999; Feb. 3; Gaz. vol. 199; p. 150.
- Smith, Robert J., Chicago, Ill. Wringer-roll. No. 1,116,147; Nov. 3; Gaz. vol. 208; p. 234.
- Smith, Robert M., Chicago, Ill. School-desk. No. 1,092,180; Apr. 7; Gaz. vol. 201; p. 19.
- Smith, Robert R., assignor to Miller Lock Company, Philadelphia, Pa. Vacuum-cleaner. No. 1,084,971; Jan. 20; Gaz. vol. 198; p. 629.
- Smith, Robert T., Jr., Warrington, England. Wheel for motor-cars and other vehicles. No. 1,099,133; June 2; Gaz. vol. 203; p. 259.
- Smith, Roy H., Cleveland, Ohio. Nut-crowning machine. No. 1,113,702; Oct. 13; Gaz. vol. 207; p. 493.
- Smith, Rufus W., San Diego, Cal. Roundabout. No. 1,116,508; Nov. 10; Gaz. vol. 208; p. 398.
- Smith, Russella C., Chicago, Ill. Hook-hanger. No. 1,094,608; Apr. 28; Gaz. vol. 201; p. 978.
- Smith, Samuel D., East Dedham, assignor of one-half to J. C. Kennedy, Boston, Mass. Cushion-heel. No. 1,114,302; Oct. 20; Gaz. vol. 207; p. 745.
- Smith, Samuel F., Oakland, Cal. Leaf-spring. No. 1,102,098; June 30; Gaz. vol. 203; p. 1471.
- Smith, Samuel H., Atlantic City, N. J. Fastening device. No. 1,118,159; Nov. 24; Gaz. vol. 208; p. 1058.

Alphabetical list of patentees—Continued.

- Smith, Sidney, Detroit, Mich. Electrical binding-screw or terminal. No. 1,103,544; July 14; Gaz. vol. 204; p. 504.
- Smith, Sidney, Detroit, Mich. Coaster-brake. No. 1,104,453; July 21; Gaz. vol. 204; p. 861.
- Smith, Sidney, assignor to The Barnes Manufacturing Company, Mansfield, Ohio. Spraying-pump. No. 1,091,401; Mar. 24; Gaz. vol. 200; p. 1054.
- Smith, Sidney B. (See Smith, Francis H., assignor.)
- Smith and Son Company, Lee S. (See Smith, James J., assignor.)
- Smith, Sidney L., Pittsburgh, Pa. Fire-escape. No. 1,123,029; Dec. 29; Gaz. vol. 209; p. 1596.
- Smith Spring Wheel Company. (See Smith, Cicero G., assignor.)
- Smith, Stephen P., assignor of one-fourth to R. L. Rich, one-fourth to F. A. Nassie, Berkeley, and one-fourth to C. W. Keiver, Oakland, Cal. Stove. No. 1,105,856; Aug. 4; Gaz. vol. 205; p. 95.
- Smith, Stephen T., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,102,360; July 7; Gaz. vol. 204; p. 48.
- Smith, Stephen T., Jr., Stamford, Conn., assignor to Underwood Typewriter Company. Stenciling-machine. No. 1,095,428; May 5; Gaz. vol. 202; p. 87.
- Smith, Stephen W., San Jose, Cal. Fume-concentrator for smelters. No. 1,112,860; Oct. 6; Gaz. vol. 207; p. 157.
- Smith, Sterling P., Clovis, N. Mex. Closure for cans. No. 1,122,166; Dec. 22; Gaz. vol. 209; p. 1255.
- Smith, Syvilla J. P., administratrix. (See Perkins, Franklin J.)
- Smith, Theodore, assignor to Theo. Smith Manufacturing Company, Chicago, Ill. Adjustable electric-light fixture. No. 1,085,947; Feb. 3; Gaz. vol. 199; p. 131.
- Smith, Theodore H., Richmond, Va. Carpenter's tool. No. 1,118,067; Nov. 24; Gaz. vol. 208; p. 1027.
- Smith, Theron A. and L. T., San Jose, Cal. Reversible shoe-polishing device. No. 1,086,475; Feb. 10; Gaz. vol. 199; p. 358.
- Smith, Thomas, Cumberland, Md. Sewer-trap. No. 1,101,043; June 23; Gaz. vol. 203; p. 1055.
- Smith, Thomas, San Luis Potosi, Mexico. Packing. No. 1,103,322; July 14; Gaz. vol. 204; p. 430.
- Smith, Thomas B., Benton, Ill. Spring-wheel. No. 1,102,205; June 30; Gaz. vol. 203; p. 1509.
- Smith, Thomas E., London, England. Note-book cover and support. No. 1,099,775; June 9; Gaz. vol. 203; p. 525.
- Smith, Thomas G., New Orleans, La. Antirobbery and burglar-proof car. No. 1,089,506; Mar. 10; Gaz. vol. 200; p. 334.
- Smith, Thomas G., Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Splitting and scarfing machine. No. 1,095,293; May 5; Gaz. vol. 202; p. 41.
- Smith, Thomas H., Decatur, Nebr. Coal-loading device. No. 1,122,546; Dec. 29; Gaz. vol. 209; p. 1425.
- Smith, Thomas L., Milwaukee, Wis. Method of and device for mixing concrete. No. 1,107,237; Aug. 11; Gaz. vol. 205; p. 621.
- Smith, Thomas L., and E. W. Brackenbury, assignors to The T. L. Smith Company, Milwaukee, Wis. Machine for heating and mixing paving materials. No. 1,116,941; Nov. 10; Gaz. vol. 208; p. 552.
- Smith, Thomas N. (See Briggs and Smith.)
- Smith, Thomas R. G., Warren, Ark. Wire-fence stretcher. No. 1,088,469; Feb. 24; Gaz. vol. 199; p. 1144.
- Smith, Thomas W., Delphos, Ohio. Fence-post. No. 1,107,858; Aug. 18; Gaz. vol. 205; p. 889.
- Smith, Thomas W., Delphos, Ohio. Steel fence-post. No. 1,117,459; Nov. 17; Gaz. vol. 208; p. 774.
- Smith, Ulysses S., assignor of one-half to A. C. Kaufman, Sacramento, Cal. Automatic current cut-off for electric appliances. No. 1,101,575; June 30; Gaz. vol. 203; p. 1288.
- Smith, Vendel. (See Menyhért and Smith.)
- Smith, Virginia W., Williamsport, Pa. Non-refillable bottle. No. 1,096,135; May 12; Gaz. vol. 202; p. 363.
- Smith, Wade H., Macon, Ga. Cover fastening and releasing device. No. 1,083,378; Jan. 6; Gaz. vol. 198; p. 39.
- Smith, Walter H., Niles, and C. J. Wright, Warren, assignors to The Harris Automatic Press Company, Niles, Ohio. Delivery mechanism. No. 1,093,152; Apr. 14; Gaz. vol. 201; p. 388.
- Smith, Walter J., Bessemer, Ala. Splice-bar. No. 1,107,123; Aug. 11; Gaz. vol. 205; p. 577.
- Smith, Walter K., *et al.* (See Humphreys, Jerome N., assignor.)
- Smith, Walter M. (See Sears, James R., assignor.)
- Smith, Walter O., Spur, Tex. Tank-bottom holder. No. 1,106,743; Aug. 11; Gaz. vol. 205; p. 448.
- Smith, Walter W., Shallow Lake, Ontario, Canada. Building-block. No. 1,089,507; Mar. 10; Gaz. vol. 200; p. 334.
- Smith, Walton D., assignor of one-third to W. S. Hurlbert and one-third to C. E. Emery, Prophetstown, Ill. Advertising-sign. No. 1,116,942; Nov. 10; Gaz. vol. 208; p. 553.
- Smith, Ward T., Seattle, Wash. Manifold device for addressing envelops. No. 1,088,798; Mar. 3; Gaz. vol. 200; p. 43.
- Smith, Warner E., Rule, Tex. Cultivator. No. 1,087,991; Feb. 24; Gaz. vol. 199; p. 982.
- Smith, Warren D., New York, N. Y. Machine for making packing. No. 1,085,948; Feb. 3; Gaz. vol. 199; p. 132.
- Smith, Warren M., Moores, assignor to The J. G. Brill Company, Philadelphia, Pa. Mechanism for operating doors and steps. No. 1,117,921; Nov. 17; Gaz. vol. 208; p. 934.
- Smith, Warren S., Bangor, Pa. Cabinet. No. 1,090,890; Mar. 24; Gaz. vol. 200; p. 881.
- Smith, Wesley, East Sparta, Ohio. Pattern device. No. 1,115,030; Oct. 27; Gaz. vol. 207; p. 1054.
- Smith, Wesley L., Pittsburgh, Pa. Apparatus for administering anesthetics. No. 1,091,973; Mar. 31; Gaz. vol. 200; p. 1295.
- Smith and Wesson. (See Pomeroy, Edward S., assignor.)
- Smith, Wheeler. (See Ferguson, Lyman H., assignor.)
- Smith, William. (See Sally, Sylvester, assignor.)
- Smith, William, Duquesne, Pa. Rail-joint. No. 1,100,500; June 16; Gaz. vol. 203; p. 812.
- Smith, William, assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Saw. No. 1,085,503; Jan. 27; Gaz. vol. 198; p. 847.
- Smith, William A. (See Martin and Smith.)
- Smith, William A., Birmingham, Ala. Track-crossing structure. No. 1,120,754; Dec. 15; Gaz. vol. 209; p. 729.
- Smith, William C., *et al.* (See Tufford, John G., assignor.)
- Smith, William C., Kansas City, Mo., and G. H. Barber, Osawatimie, Kans. Box-car. No. 1,103,697; July 14; Gaz. vol. 204; p. 563.
- Smith, William C., assignor of one-half to H. A. Brizee, Twin Falls, Idaho. Electric heater and humidifier. No. 1,114,404; Oct. 20; Gaz. vol. 207; p. 780.
- Smith, William D., Memphis, Tenn. Cotton-baling device. No. 1,085,364; Jan. 27; Gaz. vol. 198; p. 802.
- Smith, William D., Washington, D. C. Ordnance. No. 1,111,039; Sept. 22; Gaz. vol. 206; p. 895.
- Smith, William E. (See Harrison and Smith.)
- Smith, William E. (See Kilbourn, Smith, and Kilbourn.)
- Smith, William E. (See Stanwood and Smith.)
- Smith, William E., assignor to Kilbourn Manufacturing Corporation, New Brunswick, N. J. Circular-knitting machine. No. 1,092,301; Apr. 7; Gaz. vol. 201; p. 62.
- Smith, William E., assignor to Kilbourn Manufacturing Corporation, New Brunswick, N. J. Seamless tubular knit fabric and knitting the same. No. 1,120,419; Dec. 8; Gaz. vol. 209; p. 562.
- Smith, William E., Milltown, assignor to Kilbourn Manufacturing Corporation, New Brunswick, N. J. Topping-machine. No. 1,116,637; Nov. 10; Gaz. vol. 208; p. 447.
- Smith, William E., Milltown, and H. C. Geipel, assignors to Kilbourn Manufacturing Corporation, New Brunswick, N. J. Topping-machine. No. 1,116,638; Nov. 10; Gaz. vol. 208; p. 447.
- Smith, William E., Milltown, assignor to Kilbourn Manufacturing Corporation, New Brunswick, N. J. Circular-knitting machine. No. 1,121,681; Dec. 22; Gaz. vol. 209; p. 1088.
- Smith, William F., Brooklyn, assignor to Western Electric Company, New York, N. Y. Electromagnetic circuit-controlling device. No. 1,104,077; July 21; Gaz. vol. 204; p. 733.
- Smith, William F., Chicago, Ill., assignor to Western Electric Company, New York, N. Y. Twisting-machine. No. 1,104,078; July 21; Gaz. vol. 204; p. 733.
- Smith, William G., Waterbury, Conn. Railway safety appliance. No. 1,093,492; Apr. 14; Gaz. vol. 201; p. 500.
- Smith, William G., Englewood, Kans. Disk-sharpener. No. 1,120,420; Dec. 8; Gaz. vol. 209; p. 553.
- Smith, William H., St. Paul, Minn. Tank for gasoline-engines. No. 1,083,413; Jan. 6; Gaz. vol. 198; p. 53.
- Smith, William H., Los Angeles, Cal. Book-holder. No. 1,083,764; Jan. 6; Gaz. vol. 198; p. 168.
- Smith, William H., Los Angeles, Cal. Vehicle spring-clip. No. 1,097,370; May 19; Gaz. vol. 202; p. 833.
- Smith, William H., assignor to Cleveland Bronze and Brass Works, Cleveland, Ohio. Lubricating-valve for fuel-oil tanks. No. 1,100,787; June 23; Gaz. vol. 203; p. 963.
- Smith, William J., assignor to Waterbury Clock Co., Waterbury, Conn. Alarm-clock. No. 1,106,852; Aug. 11; Gaz. vol. 205; p. 487.
- Smith, William L., Boston, Mass. Educational apparatus. No. 1,084,370; Jan. 13; Gaz. vol. 198; p. 399.
- Smith, William M., Pittsburgh, assignor of one-third to W. A. Fouks, Turtle Creek, Pa. Nut-lock. No. 1,112,410; Sept. 29; Gaz. vol. 206; p. 1407.
- Smith, William M., assignor of one-half to C. H. Martin, Woodward, Okla. Clothes-line prop. No. 1,118,821; Nov. 24; Gaz. vol. 208; p. 1288.
- Smith, William R., Buffalo, N. Y. Machine for cleaning crude rubber. No. 1,089,162; Mar. 3; Gaz. vol. 200; p. 170.
- Smith, William R., assignor to Buffalo Leather Co., Buffalo, N. Y. Apparatus for dyeing textile materials. No. 1,111,104; Sept. 22; Gaz. vol. 206; p. 918.

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- Smith, William S., Imlay City, Mich. Device for holding cows' tails. No. 1,089,508; Mar. 10; Gaz. vol. 200; p. 334.
- Smith, William T., Philadelphia, Pa. Cop-forming machine. No. 1,083,765; Jan. 6; Gaz. vol. 198; p. 168.
- Smith, William T., Bolton, England. Spindle and flier for spinning and doubling machines. No. 1,086,233; Feb. 3; Gaz. vol. 199; p. 230.
- Smith, William V., Schenectady, N. Y. Metallic packing-ring. No. 1,086,948; Feb. 10; Gaz. vol. 199; p. 522.
- Smith, William W., assignor of one-half to S. S. Spencer, Darlington, Md. Non-refillable bottle. No. 1,098,988; June 2; Gaz. vol. 203; p. 214.
- Smith, Willis H., Knoxville, Tenn. Steam-engine valve-gear. No. 1,086,476; Feb. 10; Gaz. vol. 199; p. 359.
- Smith, Wirt F., *et al.* (See Minor, Charles C., assignor.)
- Smith, Worden I., Silverlake, Ind. Automobile-signal. No. 1,086,234; Feb. 3; Gaz. vol. 199; p. 230.
- Smith-Worthington Company, The. (See Adams, Samuel S., assignor.)
- Smith-Worthington Company, The. (See Lilley, Alfred L., assignor.)
- Smith-Worthington Company, The. (See Lilley, Robert G., assignor.)
- Smith, Zebulon B., Elizabeth City county, Va. Car-replacer. No. 1,109,369; Sept. 1; Gaz. vol. 206; p. 183.
- Smithson, George W. (See Woodard, Joseph W., assignor.)
- Smolensky, Michael, Cleveland, Ohio. Valve for pumps. No. 1,087,514; Feb. 17; Gaz. vol. 199; p. 769.
- Smoot, Charles H., assignor to R. Battu, New York, N. Y. Garment-fitting device. No. 1,087,992; Feb. 24; Gaz. vol. 199; p. 982.
- Smoot, Charles H., assignor to Rateau Battu Smoot Company, New York, N. Y. Commutating dynamo-electric machine. No. 1,111,504; Sept. 22; Gaz. vol. 206; p. 1056.
- Smoot, Charles H., Hollis, assignor to Rateau Battu Smoot Company, New York, N. Y. Dynamo-electric machine provided with commutating pole-pieces. No. 1,114,405; Oct. 20; Gaz. vol. 207; p. 780.
- Smoot, Charles H., assignor to Slag Steam Generator Company, New York, N. Y. Slag steam-generator. No. 1,121,946; Dec. 22; Gaz. vol. 209; p. 1182.
- Smootz, Katherine L. (See Wilson, Edward E., assignor.)
- Smouse, George E., Washington, D. C. Caster. No. 1,106,853; Aug. 11; Gaz. vol. 205; p. 487.
- Smulders, Frans, Rotterdam, Netherlands. Luffing-crane. No. 1,096,400; May 12; Gaz. vol. 202; p. 454.
- Smull, Geo. H., *et al.* (See Beck, Charles L., assignor.)
- Smyser, Louis B., assignor to The American Hardware Corporation, New Britain, Conn. Transom-operator. No. 1,093,296; Apr. 14; Gaz. vol. 201; p. 438.
- Smyser, Louis B., assignor to The American Hardware Corporation, New Britain, Conn. Inside operator for shutters and similar swinging closures. No. 1,095,602; May 5; Gaz. vol. 202; p. 147.
- Smyser, Louis B., assignor to The American Hardware Corporation, New Britain, Conn. Casement-window operator. No. 1,095,682; May 5; Gaz. vol. 202; p. 174.
- Smyth, William H., Berkeley, Cal., assignor to Humphrey Gas Pump Company. Internally-fired engine. No. 1,089,444; Mar. 10; Gaz. vol. 200; p. 310.
- Smyth, William H., Berkeley, Cal., assignor to Humphrey Gas Pump Company. Utilizing heat energy. No. 1,089,681; Mar. 10; Gaz. vol. 200; p. 394.
- Smythe, Horace E., assignor to The S. R. Smythe Company, Pittsburgh, Pa. Gas-producer. No. 1,088,799; Mar. 3; Gaz. vol. 200; p. 43.
- Smythe, Joseph B., Coaticook, Quebec, Canada. Ratchet mechanism. No. 1,090,578; Mar. 17; Gaz. vol. 200; p. 746.
- Smythe, Joseph B., Coaticook, Quebec, Canada. Operating means for lifting-jacks. No. 1,096,401; May 12; Gaz. vol. 202; p. 454.
- Snapp, John H., Washington, D. C. Printing from photographic negatives. No. 1,092,545; Apr. 7; Gaz. vol. 201; p. 145.
- Snavelly, Christian M. (See Lasko and Snavelly.)
- Snead & Co. Iron Works, The. (See Macdonald, Harry P., assignor.)
- Snead & Co. Iron Works, The. (See Macdonald and Parker, assignors.)
- Snead, George P., assignor of one-half to I. D. Gibbs, Pine Bluff, Ark. Letter-box. No. 1,097,888; May 26; Gaz. vol. 202; p. 1057.
- Snedeker, James W., Adrian, Mich. Clamp-bar for wire-fence stretchers. No. 1,099,318; June 9; Gaz. vol. 203; p. 368.
- Snedeker, James W., Adrian, Mich. Wire-fence stretcher. No. 1,099,319; June 9; Gaz. vol. 203; p. 369.
- Snedeker, James W., Adrian, Mich. Tool for stretching wire. No. 1,119,891; Dec. 8; Gaz. vol. 209; p. 377.
- Snedeker, James W., assignor to Page Woven Wire Fence Company, Adrian, Mich. Fence-machine. No. 1,088,844; Mar. 3; Gaz. vol. 200; p. 58.
- Snee, James M., assignor to R. H. Newman and W. M. Strawn, Bridgeport, Conn. Rope sling for gun-shells. No. 1,088,939; Mar. 3; Gaz. vol. 200; p. 92.
- Snell, Charles S., London, England. Transport-vehicle. No. 1,093,889; Apr. 21; Gaz. vol. 201; p. 676.
- Snell, Cullen B., Brookline, Mass. Winding-machine. No. 1,084,371; Jan. 13; Gaz. vol. 198; p. 399.
- Snell, Edward J., Corning, N. Y. Garment-hanger. No. 1,113,061; Oct. 6; Gaz. vol. 207; p. 224.
- Snell, Logan, Spokane, Wash. Gas-engine. No. 1,121,682; Dec. 22; Gaz. vol. 209; p. 1089.
- Snell, Luther C., Algonac, Mich. Oil-distribution system. No. 1,088,667; Feb. 24; Gaz. vol. 199; p. 1208.
- Snelling, Walter O., Pittsburgh, Pa. Treating old wells. No. 1,104,011; July 21; Gaz. vol. 204; p. 709.
- Snelling, Walter O., Pittsburgh, Pa. Method of making catalysts. No. 1,122,811; Dec. 29; Gaz. vol. 209; p. 1519.
- Snelling, Walter O., Pittsburgh, Pa., assignor to Consolidated Liquid Gas Company, Chicago, Ill. Gas process and product. No. 1,096,797; May 12; Gaz. vol. 202; p. 588.
- Snelling, Walter O., Pittsburgh, Pa., assignor of one-half to F. L. Dyer, Montclair, and J. W. Aylsworth, East Orange, N. J. Fire-extinguishing compound. No. 1,097,145; May 19; Gaz. vol. 202; p. 754.
- Snelling, Walter O., Pittsburgh, Pa., assignor to F. L. Dyer, Montclair, and J. W. Aylsworth, East Orange, N. J. Compound for extinguishing fires. No. 1,103,092; July 14; Gaz. vol. 204; p. 348.
- Snider, Chas. E. (See Morris, Millard, assignor.)
- Snider, John W., Denton, N. C. Screw-jack. No. 1,106,009; Aug. 4; Gaz. vol. 205; p. 148.
- Snigo, James J., Pittsburgh, Pa. Ice-cream cabinet. No. 1,112,390; Sept. 29; Gaz. vol. 206; p. 1400.
- Snively, Charles D. (See Onion and Snively.)
- Snodgrass, Charley, assignor of one-fourth to F. Klehn, one-fourth to J. Zahl, and one-fourth to H. Illetschko, Los Angeles, Cal. Riveting-machine. No. 1,089,281; Mar. 3; Gaz. vol. 200; p. 208.
- Snodgrass, Harlan E., Newark, N. J. Apparatus for welding the meeting edges of metallic articles. No. 1,085,639; Feb. 3; Gaz. vol. 199; p. 21.
- Snodgrass, Harlan E., Newark, N. J. Welding the meeting edges of metallic articles. No. 1,086,337; Feb. 3; Gaz. vol. 199; p. 263.
- Snohr, William F., Chicago, Ill. Telescoping gate. No. 1,115,605; Nov. 3; Gaz. vol. 208; p. 47.
- Snoke, David E., Ludington, La. Fence-post. No. 1,099,403; June 9; Gaz. vol. 203; p. 399.
- Snook, Cassius A., Fort Dodge, Iowa. Grain-car door. No. 1,099,946; June 16; Gaz. vol. 203; p. 620.
- Snook, Homer C., Philadelphia, Pa. Vacuum regulation. No. 1,117,267; Nov. 17; Gaz. vol. 208; p. 706.
- Snook, Homer C., and E. W. Kelly, assignors to Roentgen Manufacturing Company, Philadelphia, Pa. Fluoroscopic apparatus. No. 1,117,266; Nov. 17; Gaz. vol. 208; p. 706.
- Snook, John E., Loganton, Pa. Combination screen-frame. No. 1,105,857; Aug. 4; Gaz. vol. 205; p. 95.
- Snow, Albert J., Los Angeles, Cal. Expandable drill-bit. No. 1,095,475; May 5; Gaz. vol. 202; p. 104.
- Snow, Albert J., A. M. Kidd, and J. H. Whaley, Taft, Cal. Fishing-tool. No. 1,103,545; July 14; Gaz. vol. 204; p. 504.
- Snow, Albert J., A. M. Kidd, and J. H. Whaley, Taft, Cal. Valve. No. 1,114,303; Oct. 20; Gaz. vol. 207; p. 745.
- Snow Dental Company, The. (See Snow, George B., assignor.)
- Snow, Frank P., Los Angeles, Cal. Hat-guard. No. 1,098,691; June 2; Gaz. vol. 203; p. 115.
- Snow, George B., Long Beach, Cal., assignor to The Snow Dental Company, Buffalo, N. Y. Trial-plate clamp. No. 1,119,051; Dec. 1; Gaz. vol. 209; p. 55.
- Snow, Henry A., assignor of one-half to G. E. Tralles, Denver, Colo. Railway-tie. No. 1,110,465; Sept. 15; Gaz. vol. 206; p. 652.
- Snow, Isaac, assignor, by mesne assignments, of one-half to H. Clough, Lawrence, Mass. Friction device for shuttles. No. 1,099,624; June 9; Gaz. vol. 203; p. 473.
- Snow, Matthew B. (See Mackrell, John H., assignor.)
- Snow, Norman L., Plainfield, N. J. Fan or blower system. No. 1,093,214; Apr. 14; Gaz. vol. 201; p. 409.
- Snow, Robert B., New York, N. Y. Washing and conveying mechanism for machines for washing and drying sensitized paper. No. 1,116,943; Nov. 10; Gaz. vol. 208; p. 553.
- Snow, Sidney C., Blakesburg, Iowa. Selective system. No. 1,110,834; Sept. 15; Gaz. vol. 206; p. 781.
- Snow, William H. (See Massey and Snow.)
- Snow, Willis G., Hood River, Ore. Box-nailing press. No. 1,102,992; July 7; Gaz. vol. 204; p. 266.
- Snyder, Almond H., Lancaster, N. Y., assignor to Gould Storage Battery Company. Storage battery. No. 1,112,861; Oct. 6; Gaz. vol. 207; p. 158.
- Snyder, Almond H., Lancaster, assignor to Gould Storage Battery Company, New York, N. Y. Connector for battery-terminals and other electrical conductors. No. 1,120,554; Dec. 8; Gaz. vol. 209; p. 610.
- Snyder, Augustus G., assignor of one-half to R. T. Thomas, Utica, N. Y. Type-writer. No. 1,114,710; Oct. 20; Gaz. vol. 207; p. 886.
- Snyder, Augustus G., assignor, by mesne assignments, to G. H. Spitzli, Utica, N. Y. Computing and registering mechanism. No. 1,118,376; Nov. 24; Gaz. vol. 208; p. 1135.

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- Snyder, Augustus G., assignor, by mesne assignments, to G. H. Spitzli, Utica, N. Y. Computing-machine. No. 1,122,320; Dec. 29; Gaz. vol. 209; p. 1349.
- Snyder, Balfour C., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,117,713; Nov. 17; Gaz. vol. 208; p. 865.
- Snyder, Carrie M., Raymond, Wash. Bandeau. No. 1,120,099; Dec. 8; Gaz. vol. 209; p. 448.
- Snyder, Cassin, Philadelphia, Pa. Fire-extinguisher. No. 1,104,079; July 21; Gaz. vol. 204; p. 734.
- Snyder, Charles P., Slatington, Pa. Emergency-axle. No. 1,094,486; Apr. 28; Gaz. vol. 201; p. 936.
- Snyder, Charles R., Spokane, Wash. Escutcheon-plate. No. 1,112,485; Oct. 6; Gaz. vol. 207; p. 25.
- Snyder, Christopher H., Berkeley, Cal. Combination steel and concrete building construction. No. 1,086,866; Feb. 10; Gaz. vol. 199; p. 496.
- Snyder, Clara B., Fostoria, Ohio, assignor to American Fog Signal Company, Pittsburgh, Pa. Railway-torpedo. No. 1,102,966; July 7; Gaz. vol. 204; p. 257.
- Snyder, Curtiss E., South Valley, N. Y. Hand-stamp. No. 1,104,564; July 21; Gaz. vol. 204; p. 902.
- Snyder, Daniel W. (See Upp and Snyder.)
- Snyder, Edwin H., Kent City, assignor of one-half to J. M. Hart, Cedar Springs, Mich. Siding-gage. No. 1,097,146; May 19; Gaz. vol. 202; p. 755.
- Snyder, Frank, Indiana, Pa. Calk for horseshoes. No. 1,114,925; Oct. 27; Gaz. vol. 207; p. 1017.
- Snyder, Frank A., Pittsburgh, Pa. Spit-valve for cornets. No. 1,107,458; Aug. 18; Gaz. vol. 205; p. 748.
- Snyder, Frederick T., Oak Park, Ill. Contact for electric furnaces. No. 1,100,993; June 23; Gaz. vol. 203; p. 1036.
- Snyder, Frederick T., Oak Park, Ill. Door for electric furnaces. No. 1,100,994; June 23; Gaz. vol. 203; p. 1037.
- Snyder, Frederick T., Oak Park, Ill. Electric furnace. No. 1,100,995; June 23; Gaz. vol. 203; p. 1037.
- Snyder, Garrett D., Calgary, Alberta, Canada. Automatic railway-switch. No. 1,112,035; Sept. 29; Gaz. vol. 206; p. 1275.
- Snyder, George W., *et al.* (See Sydney, Sidney J., assignor.)
- Snyder, George W., assignor to California Drug and Chemical Company, Los Angeles, Cal. Waterproofing material. No. 1,109,799; Sept. 8; Gaz. vol. 206; p. 372.
- Snyder, Harry M., assignor to Detroit Demountable Rim Co., Detroit, Mich. Wheel-rim construction. No. 1,107,719; Aug. 18; Gaz. vol. 205; p. 840.
- Snyder, Harry M., assignor to Detroit Demountable Rim Co., Detroit, Mich. Wheel-rim construction. No. 1,107,720; Aug. 18; Gaz. vol. 205; p. 840.
- Snyder, Herbert T., Baltimore, Md. Bottle-sealing machine. No. 1,089,875; Mar. 10; Gaz. vol. 200; p. 459.
- Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa. Conveyer for band-cutters and feeders. No. 1,092,181; Apr. 7; Gaz. vol. 201; p. 19.
- Snyder, Howard F., assignor to The Maytag Co., Newton, Iowa. Gear mechanism. No. 1,117,268; Nov. 17; Gaz. vol. 208; p. 706.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Feed-valve for air-brake systems. No. 1,085,763; Feb. 3; Gaz. vol. 199; p. 67.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Triple valve. No. 1,085,764; Feb. 3; Gaz. vol. 199; p. 67.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Triple valve. No. 1,097,057; May 19; Gaz. vol. 202; p. 722.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Triple valve. No. 1,097,058; May 19; Gaz. vol. 202; p. 723.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Triple valve. No. 1,097,059; May 19; Gaz. vol. 202; p. 723.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Triple valve. No. 1,097,060; May 19; Gaz. vol. 202; p. 724.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Triple valve. No. 1,097,061; May 19; Gaz. vol. 202; p. 724.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Air-brake system. No. 1,102,099; June 30; Gaz. vol. 203; p. 1471.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Engineer's brake-valve. No. 1,102,100; June 30; Gaz. vol. 203; p. 1472.
- Snyder, Jacob R., Pittsburgh, assignor to P. E. Donner, Allegheny county, Pa. Load-controlled air-brake. No. 1,091,596; Mar. 31; Gaz. vol. 200; p. 1164.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Emergency cut-off and pressure-maintenance valve for air-brake systems. No. 1,094,944; Apr. 28; Gaz. vol. 201; p. 1098.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Quick-recharging valve. No. 1,094,945; Apr. 28; Gaz. vol. 201; p. 1098.
- Snyder, Jacob R., Pittsburgh, Pa., assignor, by mesne assignments, to Pittsburgh Air Brake Company. Double-heading control-valve. No. 1,086,335; Feb. 3; Gaz. vol. 199; p. 262.
- Snyder, Jacob R., Pittsburgh, Pa., assignor, by mesne assignments, to Pittsburgh Air Brake Company. Emergency cut-off valve. No. 1,089,088; Mar. 3; Gaz. vol. 200; p. 142.
- Snyder, Jacob R., Pittsburgh, Pa., assignor, by mesne assignments, to Pittsburgh Air Brake Company. Engineer's brake-valve. No. 1,091,597; Mar. 31; Gaz. vol. 200; p. 1165.
- Snyder, Jacob R., Pittsburgh, Pa., assignor, by mesne assignments, to Pittsburgh Air Brake Company. Triple valve. No. 1,094,941; Apr. 28; Gaz. vol. 201; p. 1096.
- Snyder, Jacob R., Pittsburgh, Pa., assignor, by mesne assignments, to Pittsburgh Air Brake Company. Triple valve. No. 1,094,942; Apr. 28; Gaz. vol. 201; p. 1097.
- Snyder, Jacob R., Pittsburgh, Pa., assignor, by mesne assignments, to Pittsburgh Air Brake Company. Air-brake system. No. 1,094,943; Apr. 28; Gaz. vol. 201; p. 1097.
- Snyder, Jacob R., Pittsburgh, Pa., assignor, by mesne assignments, to Pittsburgh Air Brake Company. Triple valve. No. 1,097,055; May 19; Gaz. vol. 202; p. 721.
- Snyder, Jacob R., Pittsburgh, Pa., assignor, by mesne assignments, to Pittsburgh Air Brake Company. Triple valve. No. 1,097,056; May 19; Gaz. vol. 202; p. 722.
- Snyder, John R., Dallas Center, Iowa. Harrow. No. 1,108,013; Aug. 18; Gaz. vol. 205; p. 942.
- Snyder, John W., Ashville, Ohio. Sampling-gage. No. 1,099,947; June 16; Gaz. vol. 203; p. 621.
- Snyder, Joseph. (See Lauter, Ignatz, assignor.)
- Snyder, Lemuel H., White Lake, S. D. Switchboard-plug. No. 1,106,118; Aug. 4; Gaz. vol. 205; p. 187.
- Snyder, Mahlon L. (See Parvin and Snyder.)
- Snyder, Noah. (See Aldous, Nelson W., assignor.)
- Snyder, Parke T., Chicago, Ill. Shipping-package. No. 1,108,937; Sept. 1; Gaz. vol. 206; p. 28.
- Snyder, Parke T., assignor to R. J. Beatty, trustee, Chicago, Ill. Pump. No. 1,085,949; Feb. 3; Gaz. vol. 199; p. 132.
- Snyder, Parke T., assignor of one-half to R. J. Beatty, Chicago, Ill. Flume construction. No. 1,102,809; July 7; Gaz. vol. 204; p. 205.
- Snyder, Parke T., assignor of one-half to R. J. Beatty, Chicago, Ill. Flume. No. 1,102,810; July 7; Gaz. vol. 204; p. 206.
- Snyder, Saul S., Columbus, Ohio. Railway-tie. No. 1,107,459; Aug. 18; Gaz. vol. 205; p. 748.
- Snyder, Samuel W., and P. C. Boelzner, Mount Morrison, Colo. Car-wheel-flange lubricator. No. 1,104,324; July 21; Gaz. vol. 204; p. 816.
- Snyder, Stillman C., and W. J. Snyder, deceased; Stillman C. Snyder, administrator, Tamarack, N. C. Mortising-machine. No. 1,112,336; Sept. 29; Gaz. vol. 206; p. 1381.
- Snyder, Virginia, Los Angeles, Cal. Fire-escape. No. 1,088,470; Feb. 24; Gaz. vol. 199; p. 1144.
- Snyder, Wilburn J. (See Snyder, Stillman C. and W. J.)
- Snyder, William A., Los Angeles, Cal. Wall-bed. No. 1,094,684; Apr. 28; Gaz. vol. 201; p. 1007.
- Snypp, Charles E., Gretna, La. Cake-stripper. No. 1,102,698; July 7; Gaz. vol. 204; p. 166.
- So Relle, William A., Clarendon, Tex. Change-speed gearing. No. 1,113,704; Oct. 13; Gaz. vol. 207; p. 493.
- Sobey, William, assignor to J. I. Case Plow Works, Racine, Wis. Gang-plow. No. 1,106,119; Aug. 4; Gaz. vol. 205; p. 187.
- Sobey, William, assignor to J. I. Case Plow Works, Racine, Wis. Wheeled plow. No. 1,113,501; Oct. 13; Gaz. vol. 207; p. 424.
- Soblik, Max, Dresden-Klotzsche, Germany. Pneumatic type-writer. No. 1,096,275; May 12; Gaz. vol. 202; p. 412.
- Sobush, Vincent, Green Bay, Wis. Milking-machine. No. 1,091,974; Mar. 31; Gaz. vol. 200; p. 1296.
- Sochurek, Frank, Jr., West Allis, and J. Sochurek, Milwaukee, Wis. Spittoon-holder. No. 1,092,869; Apr. 14; Gaz. vol. 201; p. 291.
- Sochurek, Joseph. (See Sochurek, Frank, Jr., and J.)
- Società Anonima Fiat-San Giorgio. (See Laurenti, Cesare, assignor.)
- Società Anonima Italiana Gio. Ansaldo Armstrong & Co. (See Giolitti, Federico, assignor.)
- Società Anonima Italiana Gio. Ansaldo Armstrong & Co. (See Lucertini, Angelo, assignor.)
- Società Anonima Italiana Gio. Ansaldo & Co. (See Valino, Mario, assignor.)
- Società Fiat-San Giorgio. (See Laurenti, Cesare, assignor.)
- Société A. Olier & Cie. (See Olier, André, assignor.)
- Société Ad. & Ed. Deraisme. (See Stadelmann, Adolphe, assignor.)
- Société Alsacienne de Constructions Mécaniques. (See Bethenod, Joseph, assignor.)
- Société Anonyme "Apicea." (See Bourdil, François F., assignor.)
- Société Anonyme des Anciens Etablissements Charles Janneau. (See Janneau, Charles A., assignor.)

Alphabetical list of patentees—Continued.

- Société Anonyme des Anciens Etablissements Panhard & Levassor. (See Krebs, Arthur C., assignor.)
- Société Anonyme des Appareils d'Aviation Hanriot. (See Pagny, Henri H., assignor.)
- Société Anonyme Des Automobiles Delaunay-Belleville. (See Delaunay-Belleville, Robert, assignor.)
- Société Anonyme des Automobiles Delaunay-Belleville, The. (See Barbarou, Marius, assignor.)
- Société Anonyme Des Etablissements Delaunay-Belleville. (See Canhae, Georges E., assignor.)
- Société Anonyme des Etablissements Delaunay-Belleville. (See Delaunay-Belleville, Robert, assignor.)
- Société Anonyme des Etablissements Egrot *et al.* (See Ravautte, Albin, assignor.)
- Société Anonyme des Etablissements L. Bleriot. (See Bossu, Pierre, assignor.)
- Société Anonyme des Etablissements Lacour-Berthiot. (See Florian, Charles H., assignor.)
- Société Anonyme des Etablissements Ph. Bonvillain & E. Ronceray. (See Ronceray, Eugene, assignor.)
- Société Anonyme des Faïenceries de Creil et Montereau. (See Faugeron, Ernest G., assignor.)
- Société Anonyme des Usines A. E. Decoulle. (See Gueniffet and Nicault, assignors.)
- Société Anonyme Electrique de Chumesnil. (See Sablon, Florent, assignor.)
- Société Anonyme "Le Buste Universel." (See Carrara, Marie-Louise, assignor.)
- Société Anonyme Le Carbone. (See Gindre, Engène, assignor.)
- Société Anonyme Vervietoise pour la Construction de Machines. (See Houget and Rahier, assignors.)
- Société Ballot & Co. (See Saussard, Louis, assignor.)
- Société de Constructions Mécaniques d'Alais. (See Réol, Jean, assignor.)
- Société des Etablissements Gaumont. (See Gaumont, Léon, assignor.)
- Société des Etablissements Malicet-Blin. (See Guillery, René, assignor.)
- Société des Fabriques de Spiraux Réunies. (See Guillaume, Charles E., assignor.)
- Société des Plaques et Papiers Photographiques, A. Lumière et ses Fils. (See Planchon, Victor, assignor.)
- Société du Carburateur Zenith. (See Baverey, François, assignor.)
- Société du Carburateur Zenith. (See Heftler, Victor R., assignor.)
- Société Du Gaz De Paris. (See Deville, Emile S., assignor.)
- Société Etablissements E. Feuillette. (See Feuillette, Emile, assignor.)
- Société Générale des Compteurs de Voitures (Taximetres). (See Mascart, Charles, assignor.)
- Société Generale des Nitrures. (See Matignon, Arthème, assignor.)
- Société Generale des Nitrures. (See Serpek, Ottokar, assignor.)
- Société Henri Gras & Cie. (See Verneuil, Egiste, assignor.)
- Société Huet & Cie. (See Huet, Louis H., assignor.)
- Société J. et A. Kullmann and I. Imbert. (See Imbert, Iwan, assignor.)
- Société L'Air Liquide, Société Anonyme Pour L'Etude et Exploitation des Procédes Georges Claude. (See Aumont, Emmanuel, assignor.)
- Société L'Air Liquide (Société Anonyme Pour L'Etude et L'Exploitation des Procédes Georges Claude). (See Claude, Georges, assignor.)
- Société L'Air Liquide (Société Anonyme Pour L'Etudes Et L'Exploitation Des Procédes Georges Claude). (See Claude, Georges, assignor.)
- Société L'Aluminium Français. (See Roux, François A., assignor.)
- Société "Le Fer," Société Anonyme. (See Boucher, Anthelme, assignor.)
- Société Louis Vinson & Cie. (See Ladavière, Gabriel, assignor.)
- Société Universelle des Appareils Contrôleurs. (See Fauqué, Léon, assignor.)
- Society of Chemical Industry in Basle. (See Mayer, Bertram, assignor.)
- Society Compagnie Generale de Phonographes Cinematographes et Appareils de Precision. (See Ivatts, Ernest A., assignor.)
- Socin, Francis C., Brooklyn, N. Y., assignor to himself, and W. B. Scofield, Worcester, Mass. Wrench. No. 1,092,081; Mar. 31; Gaz. vol. 200; p. 1330.
- Socin, Francis C., Brooklyn, N. Y., assignor of one-half to W. B. Schofield, Worcester, Mass. Catch. No. 1,119,892; Dec. 8; Gaz. vol. 209; p. 377.
- Soden, Alfred J., Newark, N. J. Projectile. No. 1,121,683; Dec. 22; Gaz. vol. 209; p. 1089.
- Soden, Alfred J., Newark, N. J., assignor to Crucible Steel Company of America, Pittsburgh, Pa. Armor-piercing projectile. No. 1,095,173; Apr. 28; Gaz. vol. 201; p. 1177.
- Soden, George A., East Orange, and J. W. Powelson, Newark, N. J. Front-drive automobile construction. No. 1,114,815; Oct. 27; Gaz. vol. 207; p. 977.
- Soderberg, John, Chicago Heights, Ill. Device for casting elbows for stovepipes. No. 1,117,269; Nov. 17; Gaz. vol. 208; p. 707.
- Soderborg, Edward F., Salt Lake City, Utah. Refrigerator. No. 1,115,121; Oct. 27; Gaz. vol. 207; p. 1086.
- Soderlund, Albert, Fitzgerald, Ga. Metallic piston-packing. No. 1,088,737; Mar. 3; Gaz. vol. 200; p. 23.
- Söderlund, Olof. (See Testrup and Söderlund.)
- Soetens, Edgard, Borgerhout-Antwerp, Belgium. Mechanical dop for polishing (cutting) diamonds. No. 1,103,698; July 14; Gaz. vol. 204; p. 563.
- Sofio, Edward C., Hoboken, and L. Schepmoes, Hasbrouck Heights, N. J., assignors to Safety Car Heating & Lighting Company. Lighting-fixture. No. 1,117,270; Nov. 17; Gaz. vol. 208; p. 707.
- Sohm, Albert, Tompkinsville, N. Y. Package-tier. No. 1,118,825; Nov. 24; Gaz. vol. 208; p. 1289.
- Sohm, Alfred L., Los Angeles, Cal., assignor to Sohms Electric Signal & Recording Company, Spokane, Wash. Electric signal and recording system. No. 1,096,136; May 12; Gaz. vol. 202; p. 363.
- Sohm, Alfred L., Los Angeles, Cal., assignor to The Sohms Electric Signal & Recording Company, Spokane, Wash. Mechanism for electrically indicating and recording lock-keys. No. 1,112,571; Oct. 6; Gaz. vol. 207; p. 57.
- Sohm, Alfred L., and C. L. Adams, Los Angeles, Cal., assignors to Sohms Electric Signal & Recording Company, Spokane, Wash. Electric recording instrument. No. 1,121,540; Dec. 15; Gaz. vol. 209; p. 1001.
- Sohms Electric Signal & Recording Company. (See Sohms, Alfred L., assignor.)
- Sohms Electric Signal & Recording Company. (See Sohms and Adams, assignors.)
- Sohmer & Company. (See Werolin, Edwin S., assignor.)
- Soini, William, Taylor, N. D. Combination-tool and holder therefor. No. 1,086,000; Feb. 3; Gaz. vol. 199; p. 151.
- Soistmann, Adolph G., Camden, N. J. Cord-tightening device. No. 1,094,029; Apr. 21; Gaz. vol. 201; p. 723.
- Soistmann, Adolph G., Camden, N. J. Phonograph-horn. No. 1,100,849; June 23; Gaz. vol. 203; p. 985.
- Sokal, Edward, Chicago, Ill. Battery. No. 1,121,771; Dec. 22; Gaz. vol. 209; p. 1119.
- Sokol, George, Monmouth, Iowa. Rack for seed-corn. No. 1,095,429; May 5; Gaz. vol. 202; p. 87.
- Sokolov, Jacob. (See Gibbs and Sokolov.)
- Sokolov, Jacob, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,094,609; Apr. 28; Gaz. vol. 201; p. 978.
- Sokolov, Jacob, Brooklyn, assignor of one-half to J. Firth, New York, N. Y. Wrench. No. 1,108,264; Aug. 25; Gaz. vol. 205; p. 1077.
- Sokolowski, Witold v., Warsaw, assignor of one-half to W. Morzycki, St. Petersburg, Russia. Automatic coupling for railway-cars. No. 1,104,713; July 21; Gaz. vol. 204; p. 952.
- Solbrig, Hardin E., Dexter, Ind. Spark-plug cleaner. No. 1,117,102; Nov. 10; Gaz. vol. 208; p. 608.
- Soldatencow, Basile, Paris, France. Electromagnetically-controlled keyboard for perforating apparatus. No. 1,100,501; June 16; Gaz. vol. 203; p. 813.
- Solem, Peter A., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Feeding mechanism for woodworking machinery. No. 1,109,186; Sept. 1; Gaz. vol. 206; p. 117.
- Soley, Frank. (See Jackson and Soley.)
- Soley, Frank, assignor to Miller Lock Company, Philadelphia, Pa. Lock. No. 1,123,200; Dec. 29; Gaz. vol. 209; p. 1657.
- Solis, William J. (See Hyman, Charles H., assignor.)
- Solomon, Edgar A. (See Norcross, Solomon, and Rogers.)
- Solomon, Edgar A., Philadelphia, Pa., assignor of one-third to Englander Spring Bed Company, Brooklyn, N. Y. Spring-mattress. No. 1,097,994; May 26; Gaz. vol. 202; p. 1096.
- Solomon, James, Brooklyn, N. Y. Fastener for barrel-closures. No. 1,120,342; Dec. 8; Gaz. vol. 209; p. 536.
- Solomon, Jonas, Brooklyn, N. Y. Combined cushion and life-preserver. No. 1,117,528; Nov. 17; Gaz. vol. 208; p. 797.
- Solomon, Morris B., assignor to American Tray Company, New York, N. Y. Tray. No. 1,094,261; Apr. 21; Gaz. vol. 201; p. 800.
- Solt, James E., Frederick, Md. Number-bracket. No. 1,100,626; June 16; Gaz. vol. 203; p. 853.
- Solvay Process Company, The. (See Trump, Edward N., assignor.)
- Somers, Clinton E., assignor to E. T. Galley, Los Angeles, Cal. Disappearing screen-window. No. 1,110,581; Sept. 15; Gaz. vol. 206; p. 692.
- Somers, Harry, Armstrong, British Columbia, Canada. Gate-opening means. No. 1,095,938; May 5; Gaz. vol. 202; p. 259.
- Somers, Roy, Muskegon, Mich. Music-chart. No. 1,091,598; Mar. 31; Gaz. vol. 200; p. 1165.
- Somers, Thomas B., Independence, Kans. Pipe-wrench. No. 1,103,323; July 14; Gaz. vol. 204; p. 430.
- Somers, Thomas F., New York, N. Y. Corset-steel. No. 1,121,051; Dec. 15; Gaz. vol. 209; p. 833.

Alphabetical list of patentees—Continued.

- Somers, William, South Norwalk, and S. S. Dimond, Bridgeport, Conn., assignors to R. & G. Corset Company, Inc., New York, N. Y. Corset-ironing machine. No. 1,119,893; Dec. 8; Gaz. vol. 209; p. 377.
- Somerville, William E., Coal City, Ill. Automatic swift. No. 1,122,812; Dec. 29; Gaz. vol. 209; p. 1519.
- Sommer, Adolph. (See Buckley, John, assignor.)
- Sommer, George. (See Graf, Herman, assignor.)
- Sommer, John L., Newark, N. J., assignor to J. L. Sommer Manufacturing Co. Coat-hanger. No. 1,097,889; May 26; Gaz. vol. 202; p. 1058.
- Sommer, Joseph, Cincinnati, Ohio, assignor of one-half to G. Cary, Chicago, Ill. Hand corn-planter. No. 1,083,414; Jan. 6; Gaz. vol. 198; p. 53.
- Sommer, William H., Peoria, Ill. Wire-feeding mechanism. No. 1,093,578; Apr. 14; Gaz. vol. 201; p. 527.
- Sommermeier, Henry A., assignor of one-half to G. W. Owens, Elmore, Minn. Railway-spike. No. 1,084,372; Jan. 13; Gaz. vol. 198; p. 399.
- Son, William H., Wilkes-Barre, Pa. Spring system. No. 1,088,738; Mar. 3; Gaz. vol. 200; p. 24.
- Sondack, Abraham, New York, N. Y. Bedpost-bracket. No. 1,113,703; Oct. 13; Gaz. vol. 207; p. 493.
- Sondack, Abraham, New York, N. Y. Bedpost-bracket. No. 1,117,714; Nov. 17; Gaz. vol. 208; p. 865.
- Sonderegger, Leo, assignor of one-half to W. Meyer, New York, N. Y. Window-cleaner. No. 1,104,565; July 21; Gaz. vol. 204; p. 903.
- Sondhelm, Oscar, New York, and H. M. Veit, Brooklyn, assignors to C. Bomeisler, New York, N. Y. Bottle-stopper. No. 1,102,699; July 7; Gaz. vol. 204; p. 166.
- Sone, Thomas A., Preston, Victoria, Australia. Machine rock-drill. No. 1,118,692; Nov. 24; Gaz. vol. 208; p. 1246.
- Songne, Joseph, Jeanerette, La. Log-dog puller. No. 1,111,105; Sept. 22; Gaz. vol. 206; p. 919.
- Sonn, Raphael A., Atlanta, Ga. Floss toothpick. No. 1,105,005; July 28; Gaz. vol. 204; p. 1101.
- Sonnborn, Charles, West Pittsburg, assignor to Pressed Metal Radiator Company, Pittsburgh, Pa. Expanding-head. No. 1,120,100; Dec. 8; Gaz. vol. 209; p. 448.
- Sonnet, Heinrich, Moscow, Russia. Core-support. No. 1,099,672; June 9; Gaz. vol. 203; p. 490.
- Sonnichsen, Andreas M., assignor to Auto Parts Manufacturing Company, Milwaukee, Wis. Fastening for bumpers. No. 1,088,471; Feb. 24; Gaz. vol. 199; p. 1144.
- Sonnier, Jean E., Paris, France. Manufacturing metallic torsels. No. 1,104,714; July 21; Gaz. vol. 204; p. 952.
- Sonntag, Eduard, assignor to D. B. Johnson, Chicago, Ill. Combined weather-strip and window-supporter. No. 1,121,143; Dec. 16; Gaz. vol. 209; p. 867.
- Sons, Ernest L., M. J. Baker, and A. Reitmeyer, assignors to M. A. Baker's Sons, Pittsburgh, Pa. Wrapper-sealing machine. No. 1,109,259; Sept. 1; Gaz. vol. 206; p. 143.
- Sonthheimer, John, Lincoln, Nebr. Wrench. No. 1,083,867; Jan. 6; Gaz. vol. 198; p. 198.
- Sooy, Ephraim C. and N. H., Kansas City, Mo. Baling-press. No. 1,084,173; Jan. 13; Gaz. vol. 198; p. 334.
- Sooy, Ephraim C. and N. H., Kansas City, Mo. Threshing-machine for standing grain. No. 1,103,324; July 14; Gaz. vol. 204; p. 430.
- Sooy, Norman H. (See Sooy, Ephraim C. and N. H.)
- Sopha, Hattie, assignor to F. C. Dormont, Detroit, Mich. Spraying device for the hair and scalp. No. 1,089,595; Mar. 10; Gaz. vol. 200; p. 364.
- Sorensen, Alban D., Philadelphia, Pa. Shutter-holder. No. 1,085,064; Jan. 20; Gaz. vol. 198; p. 660.
- Sorensen, Carl, assignor of one-half to A. Johnson, Racine, Wis. Valve for milking-machines. No. 1,109,800; Sept. 8; Gaz. vol. 206; p. 372.
- Sorensen, Clarence T., assignor to O. J. Sorensen, La Crosse, Wis. Cabinet. No. 1,083,415; Jan. 6; Gaz. vol. 198; p. 53.
- Sorensen, James L. K., and H. A. Wimperis, Minneapolis, Minn. Connector. No. 1,083,416; Jan. 6; Gaz. vol. 198; p. 54.
- Sorensen, John S., assignor to Sprout, Waldron & Company, Muncy, Pa. Attrition-mill. No. 1,111,274; Sept. 22; Gaz. vol. 206; p. 978.
- Sorensen, Niels C. (See Galbraith, James, assignor.)
- Sorensen, Ori J. (See Sorensen, Clarence T., assignor.)
- Sorenson, Andrew, Maiden Rock, Wis. Agricultural implement. No. 1,102,448; July 7; Gaz. vol. 204; p. 79.
- Sorenson, John G. (See Fanning, Charles E., assignor.)
- Sorlien, Theodore H., Granite Falls, Minn. Bed. No. 1,109,476; Sept. 1; Gaz. vol. 206; p. 218.
- Sorlien, Theodore H., Minneapolis, Minn. Ceiling-bed. No. 1,116,854; Nov. 10; Gaz. vol. 208; p. 524.
- Sorrells, Eugene. (See Pifer and Sorrells.)
- Sorum, Herman F., assignor of one-half to R. W. Poelma, Chicago, Ill. Hose-coupling. No. 1,092,603; Apr. 7; Gaz. vol. 201; p. 166.
- Soss, Joseph, New York, N. Y. Hinge-butt. No. 1,109,876; Sept. 8; Gaz. vol. 206; p. 401.
- Soss Manufacturing Co. (See Soss, Samuel, assignor.)
- Soss, Samuel, New York, assignor to Soss Manufacturing Co., Brooklyn, N. Y. Hinge. No. 1,096,466; May 12; Gaz. vol. 202; p. 476.
- Sottong, Henry F., Ponca, Okla. Horseshoe. No. 1,108,014; Aug. 18; Gaz. vol. 205; p. 942.
- Souder, Jesse V., Jersey City, N. J. Computing mechanism. No. 1,114,406; Oct. 20; Gaz. vol. 207; p. 781.
- Soukup, Wenzl, Carlsbad, Austria-Hungary. Massage implement. No. 1,098,337; May 26; Gaz. vol. 202; p. 1215.
- Soulages, Alberic, Decazeville, France. Advertising device. No. 1,085,365; Jan. 27; Gaz. vol. 198; p. 802.
- Soule, Clarence A., Canandaigua, N. Y. Trolley. No. 1,095,990; May 5; Gaz. vol. 202; p. 277.
- Soule, Frederick L., Lowell, assignor to The Lamson Company, Boston, Mass. Carrier-despatch system. No. 1,084,759; Jan. 20; Gaz. vol. 198; p. 558.
- Soule, George C., assignor to Marine Hardware-Equipment Company, South Portland, Me. Chain-repair link. No. 1,100,103; June 16; Gaz. vol. 203; p. 675.
- Soule, O. P., et al. (See Burton, Charles W., assignor.)
- Soule, Russell W. (See Hammond and Soule.)
- Soule, Solomon A., Frances, Wash. Reversible scraper. No. 1,096,137; May 12; Gaz. vol. 202; p. 364.
- Soulis, Harold A., New York, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-breasting machine. No. 1,109,709; Sept. 8; Gaz. vol. 206; p. 343.
- Soupene, William H., Manbattan, Kans. Pruning implement. No. 1,084,373; Jan. 13; Gaz. vol. 198; p. 399.
- Sousae, William M., and H. H. McLain, Blandville, W. Va. Guide for well-casings. No. 1,083,341; Jan. 6; Gaz. vol. 198; p. 27.
- Souter, James A., assignor to Hughes Manufacturing Company, Los Angeles, Cal. Pivoted bed. No. 1,113,144; Oct. 6; Gaz. vol. 207; p. 252.
- South Bend Chilled Plow Company. (See Knoblock, George A., assignor.)
- South Carolina Cotton Picker Company. (See Nell, Joseph B., assignor.)
- South, Clarence. (See Neal, Elgin F., assignor.)
- South Fork Smelting Company. (See Heslewood, William R., assignor.) (Reissue.)
- South, William H., Bozeman, Mont. Carpenter's trestle. No. 1,103,699; July 14; Gaz. vol. 204; p. 563.
- Southard, Julius S., Sea Cliff, N. Y. Door-hinge. No. 1,116,148; Nov. 3; Gaz. vol. 208; p. 234.
- Southard, Thomas W., Williamsport, Pa. Rule attachment. No. 1,110,968; Sept. 15; Gaz. vol. 206; p. 828.
- Southern Electro-Chemical Company. (See Hechenbleikner, Ingenieur, assignor.)
- Southern Investment Co. of Canada Ltd. (See Willson and Hafl, assignors.)
- Southern Manufacturing Company et al. (See Pope, Frederick and G. M., assignors.)
- Southern Power Company. (See Guye, Charles E., assignor.)
- Southey, Alfred W., Edgware, London, England. Producing gaseous fuel. No. 1,083,468; Jan. 6; Gaz. vol. 198; p. 70.
- Southey, Alfred W., Edgware, London, England. Apparatus for the production of gaseous fuel. No. 1,120,857; Dec. 15; Gaz. vol. 209; p. 764.
- Southgate, John F., Worcester, Mass. Wire-securing device. No. 1,099,320; June 9; Gaz. vol. 203; p. 369.
- Southgate, Louis W., Worcester, Mass. Making ingots. No. 1,083,379; Jan. 6; Gaz. vol. 198; p. 40.
- Southgate, Louis W., Worcester, Mass. Spinning or twisting apparatus. No. 1,122,167; Dec. 22; Gaz. vol. 209; p. 1256.
- Southgate, Louis W., Worcester, Mass., assignor to C. Kohler, deceased; V. M. Kohler, W. B. Ellison, and R. W. Lawrence, New York, N. Y., executors. Upright automatic player-piano. No. 1,118,958; Dec. 1; Gaz. vol. 209; p. 18.
- Southgate, Louis W., Worcester, Mass., assignor to V. M. Kohler, W. B. Ellison, and R. W. Lawrence, New York, N. Y., executors of C. Kohler, deceased. Upright automatic player-piano. No. 1,118,959; Dec. 1; Gaz. vol. 209; p. 18.
- Southgate, Louis W., Worcester, Mass., assignor to V. M. Kohler, W. B. Ellison, and R. W. Lawrence, New York, N. Y., executors of C. Kohler, deceased. Upright automatic player-piano. No. 1,118,960; Dec. 1; Gaz. vol. 209; p. 19.
- Southgate, Louis W., Worcester, Mass., assignor to V. M. Kohler, W. B. Ellison, and R. W. Lawrence, New York, N. Y., executors of C. Kohler, deceased. Upright automatic player-piano. No. 1,118,961; Dec. 1; Gaz. vol. 209; p. 19.
- Southgate, Louis W., Worcester, Mass., assignor to V. M. Kohler, W. B. Ellison, and R. W. Lawrence, New York, N. Y., executors of C. Kohler, deceased. Upright automatic player-piano. No. 1,118,962; Dec. 1; Gaz. vol. 209; p. 20.
- Southgate Machinery Company. (See Upham, Burt F., assignor.)
- Southwick, William S., assignor to Clinton Wire Cloth Company, Clinton, Mass. Machine for welding reinforcements for concrete. No. 1,093,297; Apr. 14; Gaz. vol. 201; p. 438.
- Southworth, August R., et al. (See Heina, William M., assignor.)

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- Southworth, Harrison H., Cleveland, Ohio, and C. G. Armstrong, Atlantic Highlands, N. J., assignors, by mesne assignments, to The Iceless Refrigeration Company, Cleveland, Ohio. Refrigerating apparatus. No. 1,109,021; Sept. 1; Gaz. vol. 206; p. 58.
- Southworth Machine Company. (See Cobb, Elmer M., assignor.)
- Southworth, Marie G., Fayetteville, Ark. Corset. No. 1,100,156; June 16; Gaz. vol. 203; p. 694.
- Souvielle, Mathieu, Jacksonville, Fla. Dental jaw-brace. No. 1,092,671; Apr. 7; Gaz. vol. 201; p. 188.
- Souzon, Peter N., Philadelphia, Pa. Keying connection for dental brushes. No. 1,083,766; Jan. 6; Gaz. vol. 198; p. 168.
- Souzon, Peter N., Philadelphia, Pa. Securing device for dental brush-mandrels. No. 1,107,631; Aug. 18; Gaz. vol. 205; p. 809.
- Sovocool, Stanley M., Addison, N. Y. Clothes-pin. No. 1,120,166; Dec. 8; Gaz. vol. 209; p. 472.
- Soward, John B., Seattle, Wash. Hand-cultivator. No. 1,091,712; Mar. 31; Gaz. vol. 200; p. 1204.
- Sowden, Charles N., Guantanamo, Cuba. Device for opening elliptical springs. No. 1,091,975; Mar. 31; Gaz. vol. 200; p. 1296.
- Sowden, Charles N., Guantanamo, Cuba. Actuating means for swivel lamp-holders. No. 1,091,976; Mar. 31; Gaz. vol. 200; p. 1296.
- Sowden, Charles N., Guantanamo, Cuba. Attachment for cooking utensils. No. 1,095,038; Apr. 28; Gaz. vol. 201; p. 1129.
- Sowden, Charles N., Guantanamo, Cuba. Piston-packing. No. 1,097,563; May 19; Gaz. vol. 202; p. 897.
- Sowerby, Thomas, Vancouver, British Columbia, Canada. Fare-box. No. 1,115,606; Nov. 3; Gaz. vol. 208; p. 48.
- Sox, David A., assignor of one-half to L. A. Wood, Carrollton, Ga. Cinder-deflector. No. 1,093,890; Apr. 21; Gaz. vol. 201; p. 677.
- Spacke, Fred W., D. T. Brownlee, and W. Spacke, assignors to The F. W. Spacke Machine Company, Indianapolis, Ind. Change-speed gearing. No. 1,099,520; June 9; Gaz. vol. 203; p. 437.
- Spacke, Fred W., D. T. Brownlee, and W. Spacke, assignors to The F. W. Spacke Machine Company, Indianapolis, Ind. Internal-combustion engine. No. 1,102,700; July 7; Gaz. vol. 204; p. 167.
- Spacke, Fred W., D. T. Brownlee, and W. Spacke, assignors to The F. W. Spacke Machine Company, Indianapolis, Ind. Internal-combustion engine. No. 1,108,265; Aug. 25; Gaz. vol. 205; p. 1078.
- Spacke, William. (See Spacke, Brownlee, and Spacke.)
- Spacke, William, assignor to The F. W. Spacke Machine Company, Indianapolis, Ind. Inlet-valve for internal-combustion engines. No. 1,108,266; Aug. 25; Gaz. vol. 205; p. 1078.
- Spada, Nicolo. (See Cardosa, Giovanni, assignor.)
- Spadone, Walter W., assignor to Gutta Percha & Rubber Manufacturing Co., New York, N. Y. Belt. No. 1,100,406; June 16; Gaz. vol. 203; p. 781.
- Spaeth, Edward J. (See Dreeses and Spaeth.)
- Spagnolo, Ettore A., Woonsocket, R. I. Shock-absorber. No. 1,120,555; Dec. 8; Gaz. vol. 209; p. 611.
- Spahr, Otto. (See Strause and Spahr.)
- Spahr, Otto, and L. J. Strause, assignors to Strause Gas Iron Co., Philadelphia, Pa. Bunsen burner. No. 1,112,862; Oct. 6; Gaz. vol. 207; p. 158.
- Spain, Henry P., Draketown, Ga. Door-holder. No. 1,107,124; Aug. 11; Gaz. vol. 205; p. 578.
- Spain, William J. (See Van Hoevenberg and Pope, assignors.)
- Spalazzi, Francesco, Rome, Italy. Tactical naval tracer. No. 1,084,907; Jan. 20; Gaz. vol. 198; p. 607.
- Spalazzi, Francesco, Rome, Italy. Ship's course-recording device. No. 1,094,487; Apr. 28; Gaz. vol. 201; p. 937.
- Spalckhaver, William, assignor, by mesne assignments, to R. Hoe and Co., New York, N. Y. Printing-machine. No. 1,109,152; Sept. 1; Gaz. vol. 206; p. 104.
- Spalckhaver, William, assignor, by mesne assignments, to R. Hoe and Co., New York, N. Y. Delivery mechanism for printing-machines. No. 1,122,547; Dec. 29; Gaz. vol. 209; p. 1425.
- Spalding, Frank, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Micrometer-calipers. No. 1,095,745; May 5; Gaz. vol. 202; p. 196.
- Spalding, Frank, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Micrometer-caliper. No. 1,107,187; Aug. 11; Gaz. vol. 205; p. 603.
- Spalding, James F., Kansas City, Mo. Catheter-user's around-town apparatus. No. 1,100,157; June 16; Gaz. vol. 203; p. 695.
- Spalding, Wilber B., Wamego, Kans. Stack-cover. No. 1,114,057; Oct. 20; Gaz. vol. 207; p. 656.
- Spangenberg, Moxie, Boyne City, Mich. Shoe-lace-fastening device. No. 1,094,262; Apr. 21; Gaz. vol. 201; p. 801.
- Spangler, Albert, Moline, Ill. Syringe. No. 1,094,685; Apr. 28; Gaz. vol. 201; p. 1007.
- Spangler, Charles H., Reading, Pa. Reverse-phase safety-relay for motor-circuits. No. 1,112,863; Oct. 6; Gaz. vol. 207; p. 158.
- Spangler, Ira D., Salida, Colo. Transmission mechanism. No. 1,100,924; June 23; Gaz. vol. 203; p. 1012.
- Spangler, James S., Clinton, Mo. Machine for harvesting and cutting ensilage. No. 1,117,460; Nov. 17; Gaz. vol. 208; p. 774.
- Spangler, James S., Clinton, Mo. Ensilage-cutter. No. 1,121,684; Dec. 22; Gaz. vol. 209; p. 1089.
- Spangler, John H., assignor of one-fourth to A. M. Smith and one-fourth to J. A. Nelson, Minneapolis, Minn. Egg-shipment case. No. 1,117,529; Nov. 17; Gaz. vol. 208; p. 798.
- Spängler, Ludwig, Vienna, Austria-Hungary. Double-decked vehicle. No. 1,085,504; Jan. 27; Gaz. vol. 198; p. 847.
- Spängler, Ludwig, Vienna, Austria-Hungary. Framework of double-decked vehicles. No. 1,108,634; Aug. 25; Gaz. vol. 205; p. 1206.
- Spani, Joseph L., Paragould, Ark. Grate-shaking guard. No. 1,092,546; Apr. 7; Gaz. vol. 201; p. 146.
- Spanier, Waldemar H., Grand Harbor, N. D. Fence-post. No. 1,121,772; Dec. 22; Gaz. vol. 209; p. 1119.
- Spanke, Boniface, Nevada, Mo. Portable grazing-pen and chicken-coop. No. 1,109,477; Sept. 1; Gaz. vol. 206; p. 218.
- Spann, James C. (See Hovey, Selden P., assignor.)
- Spar Chemical Company, The. (See Bassett, Harry P., assignor.)
- Sparenburg, John, Chicago, Ill. Shampooing device. No. 1,083,707; Jan. 6; Gaz. vol. 198; p. 148.
- Sparks Drilling Jar Company. (See Sparks, William A., assignor.)
- Sparks, Edward H., *et al.*, administrators. (See Allen and Luke.)
- Sparks, George B., Woodbury, N. J. Ventilated helmet. No. 1,113,062; Oct. 6; Gaz. vol. 207; p. 224.
- Sparks, James M., Nadine, N. Mex. Wire-stretcher. No. 1,092,182; Apr. 7; Gaz. vol. 201; p. 20.
- Sparks, Laban, administrator. (See Perky, Henry D.)
- Sparks, Levi C., assignor to American Car and Foundry Company, St. Louis, Mo. Removable curtain-shield. No. 1,097,949; May 26; Gaz. vol. 202; p. 1080.
- Sparks, Levi C., and A. W. L. Hartbauer, assignors to American Car and Foundry Company, St. Louis, Mo. Removable deck-screen for steel passenger-cars. No. 1,097,948; May 26; Gaz. vol. 202; p. 1080.
- Sparks, Oliver C. (See Palmer, Clyde C., assignor.)
- Sparks, Robert A., Vincennes, Ind. Plumb bob and level. No. 1,096,517; May 12; Gaz. vol. 202; p. 493.
- Sparks, Thomas H., Wichita, Kans. Apparatus for relieving tires from the weight of automobiles. No. 1,114,407; Oct. 20; Gaz. vol. 207; p. 781.
- Sparks, Walter F., Sinton, Tex. Machine for raising and lowering railway-tracks and applying ballast thereto. No. 1,083,302; Jan. 6; Gaz. vol. 198; p. 15.
- Sparks, William, assignor to The Sparks-Withington Company, Jackson, Mich. Sheet-metal pulley. No. 1,090,505; Mar. 17; Gaz. vol. 200; p. 721.
- Sparks, William A., St. Marys, assignor to Sparks Drilling Jar Company, Charleston, W. Va. Well-drill jar. No. 1,108,267; Aug. 25; Gaz. vol. 205; p. 1078.
- Sparks, William E., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,089,729; Mar. 10; Gaz. vol. 200; p. 409.
- Sparks, William E., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,100,266; June 16; Gaz. vol. 203; p. 732.
- Sparks, William E., assignor to Sargent & Company, New Haven, Conn. Plane. No. 1,104,454; July 21; Gaz. vol. 204; p. 861.
- Sparks-Withington Company, The. (See Sparks, William, assignor.)
- Sparling, Hugh A., New Orleans, La., assignor to Mergenthaler Linotype Company. Matrix for line-casting machines. No. 1,111,106; Sept. 22; Gaz. vol. 206; p. 919.
- Sparre, Fin, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Aluminum-glazed black powder. No. 1,116,944; Nov. 10; Gaz. vol. 208; p. 554.
- Sparrow, Arthur E., Chicago, Ill. Tube-mill cement-feeder. No. 1,085,305; Jan. 27; Gaz. vol. 198; p. 782.
- Sparrow, Simon, assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Alternating-current motor. No. 1,097,823; May 26; Gaz. vol. 202; p. 1034.
- Sparrow, Simon, assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Dynamo-electric machine. No. 1,104,715; July 21; Gaz. vol. 204; p. 952.
- Spaulding, Charles, Newton, Mass. Carrying-case. No. 1,086,735; Feb. 10; Gaz. vol. 199; p. 448.
- Spaulding, Charles F., Denver, Colo., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Tube-mill. No. 1,120,343; Dec. 8; Gaz. vol. 209; p. 536.
- Spaulding, Elijah F., New York, N. Y. Coin-controlled vending-machine. No. 1,113,705; Oct. 13; Gaz. vol. 207; p. 494.
- Spaulding, Elijah F., New York, N. Y. Vending-machine. No. 1,113,706; Oct. 13; Gaz. vol. 207; p. 494.
- Spaulding, Ernest R., administrator. (See Taylor, Eugene H.)
- Spaulding, John F., *et al.* (See Taylor, Eugene H., assignor.)
- Spaulding, Loren B., Perkinsville, Vt. Stanchion. No. 1,110,514; Sept. 15; Gaz. vol. 206; p. 669.

Alphabetical list of patentees—Continued.

- Spaulding & Sons Company, J. (See Lougee, William S., assignor.)
- Spaur, James W., Cable, Mont. Railway-car. No. 1,098,989; June 2; Gaz. vol. 203; p. 214.
- Spawn, Albert, Chester, S. D. Plastic-material-applying device. No. 1,096,064; May 12; Gaz. vol. 202; p. 339.
- Spazier, Morris, Los Angeles, Cal. Producing sodium carbonate. No. 1,122,323; Dec. 29; Gaz. vol. 209; p. 1349.
- Speakman Supply & Pipe Co. (See Speakman, Willard A., assignor.)
- Speakman, Willard A., Wilmington, Del. Lavatory-fitting. No. 1,117,715; Nov. 17; Gaz. vol. 208; p. 865.
- Speakman, Willard A., Wilmington, Del. Lavatory-fitting. No. 1,117,716; Nov. 17; Gaz. vol. 208; p. 866.
- Speakman, Willard A., Wilmington, Del. Mixing-valve. No. 1,121,879; Dec. 22; Gaz. vol. 209; p. 1158.
- Speakman, Willard A., assignor to Speakman Supply & Pipe Co., Wilmington, Del. Combination supply and waste fixture for lavatories. No. 1,086,949; Feb. 10; Gaz. vol. 199; p. 522.
- Spear, Arthur, deceased, Brooklyn, N. Y.; M. B. Spear, executrix. Speed changing and controlling device. No. 1,121,413; Dec. 15; Gaz. vol. 209; p. 958.
- Spear, Ellis, *et al.*, trustees. (See Cahill, Thaddeus, assignor.)
- Spear, Fannie G., Chicago, Ill. Egg-beater. No. 1,101,347; June 23; Gaz. vol. 203; p. 1157.
- Spear, Furman D., assignor to Armspear Manufacturing Company, New York, N. Y. Signal-lamp. No. 1,103,546; July 14; Gaz. vol. 204; p. 505.
- Spear, George E., Amesbury, assignor to Standard Thermometer Company, Boston, Mass. Thermostatic circuit-controller. No. 1,112,391; Sept. 29; Gaz. vol. 206; p. 1401.
- Spear, George E., Amesbury, assignor to Standard Thermometer Company, Boston, Mass. Thermostatic circuit-controller. No. 1,115,607; Nov. 3; Gaz. vol. 208; p. 48.
- Spear, John G., Springfield, Mass. Metal-working machine. No. 1,106,250; Aug. 4; Gaz. vol. 205; p. 230.
- Spear, Myrtle B., executrix. (See Spear, Arthur.)
- Speas, John C., Alma, Mich. Railway-switch. No. 1,094,488; Apr. 28; Gaz. vol. 201; p. 937.
- Specht, Charles W. J., Fairview, Okla. Medical appliance. No. 1,115,981; Nov. 3; Gaz. vol. 208; p. 176.
- Specht, Christian, Woodhaven, N. Y. Vehicle-tire. No. 1,097,596; May 19; Gaz. vol. 202; p. 909.
- Specialty Manufacturing Company. (See Silvius, Ellis T., assignor.)
- Specialty Manufacturing Company. (See Winkelmeyer, John, assignor.)
- Specialty Sales and Manufacturing Company. (See Tobin, John J., assignor.)
- Speck, Charles E., St. Marys, Ohio. Tire-tool. No. 1,100,032; June 16; Gaz. vol. 203; p. 650.
- Speck, James A., Pawhuska, Okla. Syringe. No. 1,091,977; Mar. 31; Gaz. vol. 200; p. 1297.
- Speck, James A., Salem, Oreg. Safety-rail. No. 1,104,080; July 21; Gaz. vol. 204; p. 734.
- Specketer, Heinrich, Griesheim-on-the-Main, Germany. Process of and apparatus for producing zinc and other similar metals. No. 1,099,211; June 9; Gaz. vol. 203; p. 331.
- Speckman, Charles H., Philadelphia, Pa. Radiator connection. No. 1,106,981; Aug. 11; Gaz. vol. 205; p. 531.
- Spedden, Edward C., Grangeville, Idaho. Rotary measuring device. No. 1,092,672; Apr. 7; Gaz. vol. 201; p. 189.
- Spedden, Hugh S. (See Phillips, Harry H., assignor.)
- Speed, James, Mittineague, Mass. Watermarking apparatus for paper-machines. No. 1,119,730; Dec. 1; Gaz. vol. 209; p. 284.
- Speed, James B. (See Hunt and Speed.)
- Speed, James B., New York, N. Y. Correcting disturbances on telephone and other like wires. No. 1,114,408; Oct. 20; Gaz. vol. 207; p. 782.
- Speed, James B., New York, N. Y. Apparatus for correcting disturbances on telephone and other like wires. No. 1,114,409; Oct. 20; Gaz. vol. 207; p. 782.
- Speed Machine Co. (See Cridge, Edmund L., assignor.)
- Speed Press Co., The. (See Green, Harry B., assignor.)
- Speedy, John C., Waynesburg, Pa. Garter. No. 1,095,746; May 5; Gaz. vol. 202; p. 196.
- Speedy, Nicholas M., St. Louis, Mo. Shipping-crate. No. 1,084,045; Jan. 13; Gaz. vol. 198; p. 291.
- Speelman, Charles D., St. Joseph, Mo. Lighting-fixture. No. 1,118,243; Nov. 24; Gaz. vol. 208; p. 1086.
- Speenburgh, Frank A. (See Allen and Speenburgh.)
- Speer, Cornelius. (See Ansell and Speer.)
- Speer, James R., Trappe, Md. Alloy of iron. No. 1,105,341; July 28; Gaz. vol. 204; p. 1220.
- Speer, John R., Paterson, N. J. Violin. No. 1,110,654; Sept. 15; Gaz. vol. 206; p. 719.
- Speer, Robert G., St. Louis, Mo. Hydrocarbon-burner. No. 1,119,052; Dec. 1; Gaz. vol. 209; p. 55.
- Speicher, Herman L., assignor to Reliance Ball Bearing Door Hanger Company, New York, N. Y. Door-lock. No. 1,085,065; Jan. 20; Gaz. vol. 198; p. 660.
- Speidel, Clyde. (See Withers and Speidel.)
- Speight, Charles L., Clarion, Iowa. Pulley. No. 1,122,324; Dec. 29; Gaz. vol. 209; p. 1350.
- Spelling, Thomas C., New York, N. Y. Toy railway system. No. 1,089,799; Mar. 10; Gaz. vol. 200; p. 433.
- Spelling, Thomas C., New York, N. Y. Monorailway. No. 1,105,540; July 28; Gaz. vol. 204; p. 1290.
- Spelling, Thomas C., New York, N. Y. Toy railway. No. 1,110,655; Sept. 15; Gaz. vol. 206; p. 719.
- Spelling, Thomas C., New York, N. Y. Stopper. No. 1,118,244; Nov. 24; Gaz. vol. 208; p. 1086.
- Spellman, Herbert W., and E. Twigg, assignors to Landers, Frary and Clark, New Britain, Conn. Adjusting mechanism for grinding-mills. No. 1,105,380; July 28; Gaz. vol. 204; p. 1236.
- Spelshouse, Howard F., Philadelphia, Pa., assignor, by mesne assignments, to Tension Tire Company, Wilmington, Del. Wheel-tire. No. 1,096,467; May 12; Gaz. vol. 202; p. 476.
- Spence, David, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Dyeing of rubber and rubber products. No. 1,122,653; Dec. 29; Gaz. vol. 209; p. 1463.
- Spence, David, and W. F. Russell, Akron, Ohio, assignors, by mesne assignments, to The B. F. Goodrich Company, New York, N. Y. Improvement of inferior-grade rubbers. No. 1,112,938; Oct. 6; Gaz. vol. 207; p. 183.
- Spence, George, Mexico, Mexico. Filter. No. 1,111,275; Sept. 22; Gaz. vol. 206; p. 978.
- Spence, Imry O. (See Weaver, Thomas E., assignor.)
- Spence, James H., administrator. (See Barton, Delbert E.)
- Spence, Jesse L., New York, N. Y., assignor to Electrical Experiment Company, Inc. Telephone-transmitter. No. 1,112,167; Sept. 29; Gaz. vol. 206; p. 1321.
- Spence, Jesse L., New York, N. Y., assignor to Electrical Experiment Company, Inc. Telephone-receiver. No. 1,112,392; Sept. 29; Gaz. vol. 206; p. 1401.
- Spence, John C., assignor to Norton Grinding Company, Worcester, Mass. Grinding-machine. No. 1,121,773; Dec. 22; Gaz. vol. 209; p. 1119.
- Spence, William F., Rochester, N. Y. Safety-pin. No. 1,100,502; June 16; Gaz. vol. 203; p. 813.
- Spencer, Alexander, London, England. Central buffing and draw gear for railway and like vehicles. No. 1,113,916; Oct. 13; Gaz. vol. 207; p. 568.
- Spencer, Alfred G., London, England. Manufacturing rubber blocks for springs, &c. No. 1,092,129; Mar. 31; Gaz. vol. 200; p. 1347.
- Spencer, Charles R., assignor of one-third to W. W. Strong and one-third to R. S. Sasnett, Atlanta, Ga. Rotary engine-valve. No. 1,111,680; Sept. 22; Gaz. vol. 206; p. 1117.
- Spencer, Edgar E. (See Spencer, Henry P., assignor.)
- Spencer, Ernest, Aintree, England. Tip-wagon. No. 1,100,627; June 16; Gaz. vol. 203; p. 854.
- Spencer, Frank E., Thornburg, Pa. Rail-fastener. No. 1,086,411; Feb. 10; Gaz. vol. 199; p. 335.
- Spencer, Frank E., Pittsburgh, Pa. Spring nut-lock. No. 1,095,039; Apr. 28; Gaz. vol. 201; p. 1130.
- Spencer, Franklin, Jr. (See Holdaway, Hall H., assignor.)
- Spencer, Franklin, Jr., Provo, Utah. Revolving screen. No. 1,088,303; Feb. 24; Gaz. vol. 199; p. 1089.
- Spencer, Franklin A., Des Moines, Iowa. Automobile-jack. No. 1,113,063; Oct. 6; Gaz. vol. 207; p. 224.
- Spencer, George M., St. Louis, Mo., assignor to F. W. Lord, New York, N. Y. Fluid-pressure-purifying system. No. 1,100,688; June 16; Gaz. vol. 203; p. 873.
- Spencer, Harry M., Dunmore, Pa. Emergency stopping device for motor-cars. No. 1,094,756; Apr. 28; Gaz. vol. 201; p. 1033.
- Spencer, Harvey P., Des Moines, Iowa. Candy-puller. No. 1,102,174; June 30; Gaz. vol. 203; p. 1497.
- Spencer, Henry M., South Hadley Falls, Mass. Dandy-roll. No. 1,102,554; July 7; Gaz. vol. 204; p. 116.
- Spencer, Henry P., Shelbyville, assignor of one-half to E. E. Spencer, Burns, Tenn. Cattle-guard. No. 1,112,939; Oct. 6; Gaz. vol. 207; p. 183.
- Spencer, Ira H., assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Valve for cleaning-tools. No. 1,103,547; July 14; Gaz. vol. 204; p. 505.
- Spencer, Ira H., assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Cleaning apparatus. No. 1,103,548; July 14; Gaz. vol. 204; p. 505.
- Spencer, Ira H., assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Dust-separator. No. 1,103,549; July 14; Gaz. vol. 204; p. 506.
- Spencer, Ira H., West Hartford, assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Cleaning apparatus. No. 1,103,628; July 14; Gaz. vol. 204; p. 537.
- Spencer, Ira H., assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Cleaning-tool. No. 1,104,143; July 21; Gaz. vol. 204; p. 756.
- Spencer, Ira H., assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Cleaning apparatus. No. 1,111,768; Sept. 29; Gaz. vol. 206; p. 1184.
- Spencer, Ira H., assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Cleaning apparatus and dust-separator. No. 1,114,058; Oct. 20; Gaz. vol. 207; p. 656.

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- Spencer, Ira H., assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Suction-cleaner and dust-separator. No. 1,114,059; Oct. 20; Gaz. vol. 207; p. 657.
- Spencer, Ira H., assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Device for collecting and separating dust. No. 1,114,060; Oct. 20; Gaz. vol. 207; p. 657.
- Spencer, Ira H., West Hartford, assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Valve. No. 1,118,594; Nov. 24; Gaz. vol. 208; p. 1213.
- Spencer, Ira H., West Hartford, assignor to The Organ Power Company, Hartford, Conn. Organ-blower. No. 1,115,873; Nov. 3; Gaz. vol. 208; p. 138.
- Spencer, Ira H., West Hartford, assignor to The Organ Power Company, Hartford, Conn. Valve for organ-blowers. No. 1,116,639; Nov. 10; Gaz. vol. 208; p. 447.
- Spencer, Joseph M., assignor of one-third to J. Gensler, Philadelphia, Pa. Drying-machine. No. 1,097,144; May 19; Gaz. vol. 202; p. 754.
- Spencer Kellogg & Sons. (See Schwarzman, Alexander, assignor.)
- Spencer Lens Company. (See Ott, Harvey N., assignor.)
- Spencer, Robert C., Jr., River Forest, Ill. Casement-window adjuster. No. 1,112,393; Sept. 29; Gaz. vol. 206; p. 1401.
- Spencer, Sam'l F. (See Fenton, John W., assignor.)
- Spencer, Samuel G., Payson, Ill. Combined rake and stalk-cutter. No. 1,105,006; July 28; Gaz. vol. 204; p. 1101.
- Spencer, Stanley S. (See Smith, William W., assignor.)
- Spencer Turbine Cleaner Company, The. (See Spencer, Ira H., assignor.)
- Spencer, Walter. (See Whiteley and Spencer.)
- Spencer, William T., Elkins, W. Va. Pocket. No. 1,123,030; Dec. 29; Gaz. vol. 209; p. 1597.
- Spengler, Charles C., Rockford, assignor to Automatic Pencil Sharpener Company, Chicago, Ill. Pencil-holding means for pencil-sharpeners. No. 1,118,693; Nov. 24; Gaz. vol. 208; p. 1246.
- Spenst, Cornelius C., and L. E. Weeks, Munich, N. D. Grain-treating machine. No. 1,116,945; Nov. 10; Gaz. vol. 208; p. 554.
- Sperberg, Edward H., assignor to O. F. Foss, Chicago, Ill. Moving-picture machine. No. 1,097,478; May 19; Gaz. vol. 202; p. 870.
- Sperl, Erich T. H., New Haven, Conn. Machine for finishing the surfaces of irregular-shaped articles. No. 1,101,576; June 30; Gaz. vol. 203; p. 1288.
- Spero, Samuel S., New York, N. Y. Buffing-wheel. No. 1,118,822; Nov. 24; Gaz. vol. 208; p. 1288.
- Sperr, Frederick W., Jr., Chicago, Ill. Coke-oven. No. 1,097,196; May 19; Gaz. vol. 202; p. 771.
- Sperry, Elmer A. (See Townsend and Sperry.)
- Sperry, Elmer A., Brooklyn, N. Y. Electric heater. No. 1,116,855; Nov. 10; Gaz. vol. 208; p. 524.
- Sperry, Frank E., Aurora, assignor to Aurora Automatic Machinery Company, Chicago, Ill. Unit-control device. No. 1,095,530; May 5; Gaz. vol. 202; p. 123.
- Sperry Gyroscope Company. (See Forbes, Thomas C., assignor.) (Reissue.)
- Sperry, Herbert B. (See Dain and Sperry.)
- Sperry, Samuel E., Woodhaven, assignor to International Typesetting Machine Company, New York, N. Y. Pump-actuating means for type-casting machines. No. 1,108,804; Aug. 25; Gaz. vol. 205; p. 1262.
- Sperry, Thomas E., Oklahoma, Okla., assignor to J. J. Walsh, Chicago, Ill. Patching cloth. No. 1,116,748; Nov. 10; Gaz. vol. 208; p. 484.
- Sperry, Charles F., Chicago, Ill. Spectacles. No. 1,099,404; June 9; Gaz. vol. 203; p. 399.
- Sperry, Charles F., Chicago, assignor to Lugtite Mfg. Co., Forrester, Ill. Tightening means for silos, tanks, and the like. No. 1,111,107; Sept. 22; Gaz. vol. 206; p. 919.
- Spevacek, Vaclav, Traverse City, Mich. Tailor's square. No. 1,123,031; Dec. 29; Gaz. vol. 209; p. 1597.
- Spicer, Clarence W., Plainfield, N. J. Universal joint. No. 1,095,430; May 5; Gaz. vol. 202; p. 88.
- Spicer, Elmer D., Wellsville, N. Y. Governor for engines, motors, or the like. No. 1,109,022; Sept. 1; Gaz. vol. 206; p. 59.
- Spicer, Harry, *et al.* (See Kliber, William C., assignor.)
- Spicer, Thomas J., assignor of one-fourth to J. B. Ellinger, Baltimore, Md. Antiskidding device for automobiles. No. 1,120,633; Dec. 8; Gaz. vol. 209; p. 639.
- Spicklemire, Chester T., Wabaningo, Mich. Ignition system for explosive-engines. No. 1,088,472; Feb. 24; Gaz. vol. 199; p. 1144.
- Spidy, Edgar T. (See Davison, Herriot, Spidy, and Mattson.)
- Spiegel, Alexander S., Chicago, Ill. Display device. No. 1,088,107; Feb. 24; Gaz. vol. 199; p. 1023.
- Spiegel, Alexander S., Chicago, Ill. Machine for making ornamental roofing-strips. No. 1,110,238; Sept. 8; Gaz. vol. 206; p. 532.
- Spiegel, Alexander S., Chicago, Ill. Apparatus for forming roofing-shingles. No. 1,116,149; Nov. 3; Gaz. vol. 208; p. 234.
- Spiegel, Julius, Berlin, Germany, assignor to General Electric Company. Water-jacket for internal-combustion engines. No. 1,112,337; Sept. 29; Gaz. vol. 206; p. 1381.
- Spiegel, May, Stern Company. (See Kurtz, Daniel E., assignor.)
- Spiegel, W. M., *et al.* (See Tree, Eber B., assignor.)
- Spielbauer, Josephine M., Seattle, Wash. Cap-remover. No. 1,116,509; Nov. 10; Gaz. vol. 208; p. 398.
- Spielvogel, Rudolf, Hartford, Wis. Washing-machine. No. 1,094,489; Apr. 28; Gaz. vol. 201; p. 938.
- Spiers, George W., Caesar, Miss. Subsoil-plow. No. 1,097,147; May 19; Gaz. vol. 202; p. 755.
- Spies, Henry, *et al.* (See Price, John D., assignor.)
- Spies, Louis, St. Louis, Mo. Bevel-square. No. 1,091,978; Mar. 31; Gaz. vol. 200; p. 1297.
- Spies, Georg, Leipzig-Reudnitz, Germany. Device for releasing combing-wheels in sheet-feeders. No. 1,088,377; Feb. 24; Gaz. vol. 199; p. 1114.
- Spies, Georg, Leipzig-Reudnitz, Germany. Paper-sheet-feeding machine. No. 1,091,444; Mar. 24; Gaz. vol. 200; p. 1068.
- Spies, Georg, Leipzig-Reudnitz, Germany. Device for actuating the counter in a sheet-feeder. No. 1,094,946; Apr. 28; Gaz. vol. 201; p. 1099.
- Spies, Georg, Leipzig-Reudnitz, Germany. Printing-machine. No. 1,110,723; Sept. 15; Gaz. vol. 206; p. 743.
- Spies, Georg, Leipzig-Reudnitz, Germany. Pamphlet-coverer. No. 1,116,946; Nov. 10; Gaz. vol. 208; p. 554.
- Spies, Georg, Leipzig-Reudnitz, Germany, assignor, by mesne assignments, to Canadian American Machinery Company Limited, London, England. Sheet-feeding mechanism for paper. No. 1,118,823; Nov. 24; Gaz. vol. 208; p. 1289.
- Spies, Gustav, Frankfurt-on-the-Main, and A. Feldt, Oberursel, Germany. Auric compounds from cantharidylethylenediamin and making same. No. 1,104,149; July 21; Gaz. vol. 204; p. 756.
- Spies, Gustav, and A. Feldt, Frankfurt-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Double salts of gold hydrocyanic acids and making same. No. 1,115,608; Nov. 3; Gaz. vol. 208; p. 48.
- Spies, Gustav, and A. Feldt, Frankfurt-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Dicantharidylethylenediamin-mono-aurocyanid and making same. No. 1,115,609; Nov. 3; Gaz. vol. 208; p. 49.
- Spies, Gustav, and A. Feldt, Frankfurt-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Salts of the aurothio-sulfuric acid and making same. No. 1,115,610; Nov. 3; Gaz. vol. 208; p. 49.
- Spies, Paul, Zurich, Switzerland, assignor to Escher, Wyss & Co. Multistage elastic-fluid turbine. No. 1,119,731; Dec. 1; Gaz. vol. 209; p. 285.
- Spigno, Giovanni B. M., Genoa, Italy. Treatment of hides and skins. No. 1,090,799; Mar. 17; Gaz. vol. 200; p. 818.
- Spiller, Harry A., assignor to Brown-Binnian Company, Boston, Mass. Printing and cutting machine. No. 1,098,060; May 26; Gaz. vol. 202; p. 1119.
- Spiller, Harry A., assignor to Brown-Binnian Company, Boston, Mass. Finishing, assorting, and packaging machine. No. 1,098,061; May 26; Gaz. vol. 202; p. 1119.
- Spillmann, Charles R., La Chaux-de-Fonds, Switzerland. Watch or jewelry clip. No. 1,120,101; Dec. 8; Gaz. vol. 209; p. 448.
- Spillman, Edward O., and L. P. Mooers, North Tonawanda, N. Y. Piston for explosion engines or motors. No. 1,092,870; Apr. 14; Gaz. vol. 201; p. 291.
- Spinasse, Arthur E., Mount Vernon, Ohio. Drawing glass cylinders. No. 1,085,066; Jan. 20; Gaz. vol. 198; p. 661.
- Spindler, Emil. (See Werner, Paul, assignor.)
- Spink, Alfred, Davenport, Iowa. Press. No. 1,109,710; Sept. 8; Gaz. vol. 206; p. 343.
- Spinks, Charles M., Meridian, Miss. Silo. No. 1,117,717; Nov. 17; Gaz. vol. 208; p. 866.
- Spinner, Michael. (See Prante, Frederick B., assignor.)
- Spinney, Charles L., Lynn, Mass., assignor to General Electric Company. Metal-founding. No. 1,091,542; Mar. 31; Gaz. vol. 200; p. 1147.
- Spinney, Charles L., Lynn, Mass., assignor to General Electric Company. Induction-motor. No. 1,091,713; Mar. 31; Gaz. vol. 200; p. 1205.
- Spirella Company, The. (See Beeman, Marcus M., assignor.)
- Spirella Company, The. (See Kitchen, John F., assignor.)
- Spirella Company, The. (See Leffel, Clarence E., assignor.)
- Spirella Company, The. (See Leffel, Clarence E. and J. D., assignors.)
- Spirella Company, The. (See Mayo, Junius E., assignor.)
- Spirella Company, The. (See Schuler, David, assignor.)
- Spirella Company, The. (See Wadsworth, Frank L. O., assignor.)
- Spirella Company, The. (See Welsh, James M., assignor.)

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- Spirewki, John S., Jr., assignor of five-sixteenths to D. C. O'Connell and five-sixteenths to J. E. O'Connell, Milwaukee, Wis. Railway-crossing. No. 1,122,325; Dec. 29; Gaz. vol. 209; p. 1350.
- Spitz, Frederick, New York, N. Y. Adjustable box. No. 1,098,132; May 26; Gaz. vol. 202; p. 1143.
- Spitz, Gustav, Brünn, Austria-Hungary, assignor to Goldschmidt Detinning Company, New York, N. Y. Making pure oxid of tin. No. 1,119,547; Dec. 1; Gaz. vol. 209; p. 224.
- Spitzer, Bernhard, Berlin-Wilmersdorf, assignor to Berlin-Anhaltische Maschinenbau-Aktien-Gesellschaft, Berlin, Germany. Producing hydrogen. No. 1,118,595; Nov. 24; Gaz. vol. 208; p. 1213.
- Spitzli, George H. (See Snyder, Augustus G., assignor.)
- Spitznas, Ferdinand, Essen-on-the-Ruhr-West, Germany. Means for lubricating fluid-driven tools. No. 1,091,776; Mar. 31; Gaz. vol. 200; p. 1228.
- Spivak, David, New York, N. Y. Window-shade. No. 1,112,940; Oct. 6; Gaz. vol. 207; p. 184.
- Spivey, Thomas S., assignor to The Victor Safe & Lock Co., Norwood, Ohio. Vault-entrance. No. 1,089,018; Mar. 3; Gaz. vol. 200; p. 118.
- Spivy, Reid B., Bonham, Tex. Button-display attachment for boxes. No. 1,118,824; Nov. 24; Gaz. vol. 208; p. 1289.
- Splitdorf Electrical Company. (See Brackett, Ernest W., assignor.)
- Splitdorf Electrical Company. (See Cunningham, Richard H., assignor.)
- Spofford, Christopher S., assignor to Sturgis Steel Go-Cart Co., Sturgis, Mich. Child's carriage. No. 1,103,161; July 14; Gaz. vol. 204; p. 375.
- Spofford, Christopher S., and F. W. Jonas, assignors to Sturgis Steel Go-Cart Company, Sturgis, Mich. Collapsible carriage. No. 1,086,736; Feb. 10; Gaz. vol. 199; p. 449.
- Spofford, Christopher S., and F. W. Jonas, assignors to Sturgis Steel Go-Cart Company, Sturgis, Mich. Collapsible carriage. No. 1,090,950; Mar. 24; Gaz. vol. 200; p. 902.
- Spofford, Christopher S., and J. A. Henry, assignors to Sturgis Steel Go-Cart Co., Sturgis, Mich. Collapsible carriage. No. 1,091,025; Mar. 24; Gaz. vol. 200; p. 929.
- Sponable, George W., assignor to The Brown-Lipe Gear Company, Syracuse, N. Y. Apparatus for forming the ends of gear-teeth. No. 1,110,274; Sept. 8; Gaz. vol. 206; p. 544.
- Sponenburg, Hiram H. (See Laas and Sponenburg.)
- Sponge Rubber Inner Heel Company. (See Wächter, Richard, assignor.)
- Sponsel, Charles W. (See Allen and Sponsel.)
- Sponsel, Charles W. (See Kidder and Sponsel.)
- Sponsel, Charles W., assignor to The Allen-Sponsel Company, Hartford, Conn. Display-machine. No. 1,100,925; June 23; Gaz. vol. 203; p. 1012.
- Sponsel, Charles W., assignor to The Ajax Universal Joint Company, Hartford, Conn. Universal joint. No. 1,121,144; Dec. 15; Gaz. vol. 209; p. 868.
- Spooner, Albert E., Renfrew, Ontario, Canada. Hoisting device. No. 1,111,869; Sept. 29; Gaz. vol. 206; p. 1222.
- Spooner, Thomas, Maple Valley, Wash. Railway-tie. No. 1,114,926; Oct. 27; Gaz. vol. 207; p. 1018.
- Spooner, Thomas, Maple Valley, Wash. Rail chair and brace. No. 1,114,927; Oct. 27; Gaz. vol. 207; p. 1018.
- Spore, William M., Cisco, and F. Harpstrite, Decatur, Ill. Drilling attachment for disk harrows. No. 1,109,711; Sept. 8; Gaz. vol. 206; p. 344.
- Sporleder, Edward. (See Edmondson, Thomas R., assignor.)
- Sporleder, Michael, Colorado City, Colo. Sawing or filing machine. No. 1,116,640; Nov. 10; Gaz. vol. 208; p. 448.
- Spotless Steam Sponger Co. (See Wentz, George F., assignor.)
- Spott, Oscar E., Richmond, Va. Button-clasp. No. 1,091,979; Mar. 31; Gaz. vol. 200; p. 1298.
- Spotswood Specialty Company. (See Donaldson, Margaret, assignor.)
- Spradling, Clive A., Battle Creek, Mich. Swimming-paddle. No. 1,115,343; Oct. 27; Gaz. vol. 207; p. 1161.
- Sprado, Carl G., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Unloading device. No. 1,085,570; Jan. 27; Gaz. vol. 198; p. 868.
- Sprado, Carl G., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Speed-regulating device. No. 1,112,394; Sept. 29; Gaz. vol. 206; p. 1402.
- Sprague Canning Machinery Company. (See Reynolds, Edward, assignor.)
- Sprague, Charles C. (See Sprague, Robert M. and C. C.)
- Sprague, Daniel B., *et al.* (See Lockhart, Robert R., assignor.)
- Sprague, Frank D. (See Sprague, Frank J. and F. D.)
- Sprague, Frank J. and F. D., New York, N. Y. Method and means for automatically applying differential air-pressure to compartments of ships. No. 1,113,257; Oct. 13; Gaz. vol. 207; p. 337.
- Sprague, Frederick H., Orange, Mass. Child's garment. No. 1,095,476; May 5; Gaz. vol. 202; p. 105.
- Sprague, Henry H., Bridgeport, Conn. Gas-meter. No. 1,089,730; Mar. 10; Gaz. vol. 200; p. 410.
- Sprague, Horace M., Denver, Colo. Adjustable jointed-handle wrench. No. 1,090,506; Mar. 17; Gaz. vol. 200; p. 721.
- Sprague, Horace M., Denver, Colo., assignor to W. Gross, Minneapolis, Minn. Gear-controlled padlock. No. 1,095,431; May 5; Gaz. vol. 202; p. 88.
- Sprague, James P. (See Mularkey, James, assignor.)
- Sprague, Leo A., Henderson, N. Y. Means for launching life-boats. No. 1,101,475; June 23; Gaz. vol. 203; p. 1201.
- Sprague, McKendrie A., Seattle, Wash. Car-fender. No. 1,086,001; Feb. 3; Gaz. vol. 199; p. 151.
- Sprague, McKendrie A., Seattle, Wash. Car-fender. No. 1,118,245; Nov. 24; Gaz. vol. 208; p. 1087.
- Sprague, Robert M. and C. C., Council Bluffs, Iowa. Grate. No. 1,089,682; Mar. 10; Gaz. vol. 200; p. 394.
- Spranger, Frank and N. M., Detroit, Mich. Split-rim construction. No. 1,088,108; Feb. 24; Gaz. vol. 199; p. 1023.
- Spranger, Frank and N. M., Detroit, Mich. Wheel-hub. No. 1,116,510; Nov. 10; Gaz. vol. 208; p. 399.
- Spranger, Nicholas M. (See Spranger, Frank and N. M.)
- Sprater, Adolf, Neustadt, Germany. Stabilizing device for flying-machines. No. 1,087,993; Feb. 24; Gaz. vol. 199; p. 982.
- Sprater, Adolf, Neustadt-on-the-Hardt, Germany. Stabilizing device for flying-machines. No. 1,119,324; Dec. 1; Gaz. vol. 209; p. 146.
- Spray Engineering Company. (See Eneas, Aubrey G., assignor.)
- Sprenger, Philipp, and A. Tschudi, Basel, Switzerland, assignors to The Hoffmann-La Roche Chemical Works, New York, N. Y. Casein calcium and producing the same. No. 1,087,515; Feb. 17; Gaz. vol. 199; p. 769.
- Sprengstoff-A.-G. Carbonit. (See Machenbach, Richard, assignor.)
- Sprich, Emil M., St. Louis, Mo., assignor to J. Sprich & Sons, Belleville, Ill. Swing. No. 1,111,769; Sept. 29; Gaz. vol. 206; p. 1184.
- Sprich & Sons, John. (See Sprich, Emil M., assignor.)
- Sprick, William F., Stickney, S. D. Ribbon device. No. 1,087,197; Feb. 17; Gaz. vol. 199; p. 657.
- Spriggs, Lillian T., Griffin Corners, N. Y. Coatless shirt. No. 1,095,939; May 5; Gaz. vol. 202; p. 259.
- Spriggs, Neville L., Leicester, England. Apparatus for repairing india-rubber goods. No. 1,118,596; Nov. 24; Gaz. vol. 208; p. 1213.
- Spring, Leslie E., White Cottage, Ohio. Envelop and fastener. No. 1,112,486; Oct. 6; Gaz. vol. 207; p. 25.
- Spring, Richard, Leavenworth, Kans. Legging. No. 1,115,611; Nov. 3; Gaz. vol. 208; p. 49.
- Springer, Benjamin F., *et al.* (See Gage, Will V., assignor.)
- Springer, Marcellus W., *et al.* (See Münch, Henry W., assignor.)
- Springer, Ruter W., Springfield, Ill. Fountain-pen. No. 1,104,566; July 21; Gaz. vol. 204; p. 903.
- Springer, Ruter W., Springfield, Ill. Fountain-pen. No. 1,104,567; July 21; Gaz. vol. 204; p. 904.
- Springer, Simon, New York, N. Y. Wine-filter. No. 1,099,212; June 9; Gaz. vol. 203; p. 331.
- Springer, Walter R., Youngstown, Ohio. Tie. No. 1,099,826; June 9; Gaz. vol. 203; p. 541.
- Springer, William N., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow. No. 1,084,972; Jan. 20; Gaz. vol. 198; p. 629.
- Springer, William N., assignor to Oliver Chilled Plow Works, South Bend, Ind. Raising and lowering means for gang-plow units. No. 1,095,531; May 5; Gaz. vol. 202; p. 124.
- Springer, William N., assignor to Oliver Chilled Plow Works, South Bend, Ind. Gang-plow. No. 1,100,503; June 16; Gaz. vol. 203; p. 813.
- Springer, William N., assignor to Oliver Chilled Plow Works, South Bend, Ind. Gang-plow. No. 1,101,348; June 23; Gaz. vol. 203; p. 1158.
- Springer, William N., assignor to Oliver Chilled Plow Works, South Bend, Ind. Gang-plow. No. 1,101,349; June 23; Gaz. vol. 203; p. 1158.
- Springer, William N., assignor to Oliver Chilled Plow Works, South Bend, Ind. Engine gang-plow. No. 1,101,350; June 23; Gaz. vol. 203; p. 1158.
- Springer, William N., assignor to Oliver Chilled Plow Works, South Bend, Ind. Gang-plow. No. 1,103,700; July 14; Gaz. vol. 204; p. 563.
- Springfield Metallic Casket Company, The. (See Hiser, Charles H., assignor.)
- Springfield Metallic Casket Company, The. (See Reese, Herbert T., assignor.)
- Springsteen, George W., New York, N. Y., and H. W. Weed, Stamford, Conn. Folding back for saddles. No. 1,122,040; Dec. 22; Gaz. vol. 209; p. 1215.
- Sprogell, Orrin A., assignor to G. H. Buchanan Company, Philadelphia, Pa. Inking mechanism. No. 1,087,331; Feb. 17; Gaz. vol. 199; p. 705.
- Sprong, Severn D. (See McCoy and Sprong.)
- Sprong, Severn D., Brooklyn, N. Y. Calibrating device. No. 1,090,419; Mar. 17; Gaz. vol. 200; p. 691.

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- Sprong, Severn D., and W. E. McCoy, assignors of one-third to F. W. Smith, New York, N. Y. Electric fuse. No. 1,094,030; Apr. 21; Gaz. vol. 201; p. 723.
- Sprout, Waldron & Company. (See Sorensen, John S., assignor.)
- Sprowson, Robert A., *et al.* (See O'Meara, James J., assignor.)
- Sprung, Abbe, New York, N. Y. Desk. No. 1,099,521; June 9; Gaz. vol. 203; p. 438.
- Sprung, Francis H., San Jose, Cal. Jury-axle. No. 1,089,282; Mar. 3; Gaz. vol. 200; p. 208.
- Sprung, George, Vancouver, British Columbia, Canada. Road-making material. No. 1,091,777; Mar. 31; Gaz. vol. 200; p. 1228.
- Sprunger, Isaac, Fort Wayne, Ind. Combined clothes-rack and table. No. 1,106,418; Aug. 11; Gaz. vol. 205; p. 331.
- Spry, Townsend H. (See Pelter, Spry, and Busse.)
- Sprye, William M. (See Muther and Sprye.)
- Spurgeon, Matthias O., Vancouver, Wash. Marshmallow-toasting machine. No. 1,111,870; Sept. 29; Gaz. vol. 206; p. 1223.
- Spurling, William F., Islington, London, England. Hood for road-vehicles. No. 1,118,246; Nov. 24; Gaz. vol. 208; p. 1087.
- Spychalski, Jakob, South Bethlehem, Pa. Parachute. No. 1,120,755; Dec. 15; Gaz. vol. 209; p. 729.
- Spyker, Jacobus, Amsterdam, Netherlands. Elastic tire for vehicles. No. 1,102,811; July 7; Gaz. vol. 204; p. 206.
- Square Rule Company. (See Craig, Lee D., assignor.)
- Squiller, Samuel, McKees Rocks, Pa. Mail-box lock. No. 1,103,701; July 14; Gaz. vol. 204; p. 564.
- Squires, Claude J., assignor of one-half to R. M. Cauffman, Three Rivers, Mich. Evaporative refrigerator. No. 1,085,177; Jan. 27; Gaz. vol. 198; p. 736.
- Squires, Frederick, Plainfield, N. J. Reinforced-concrete floor construction. No. 1,115,344; Oct. 27; Gaz. vol. 207; p. 1162.
- Squires, Joseph G. F., New York, N. Y. Valve. No. 1,119,464; Dec. 1; Gaz. vol. 209; p. 194.
- Squires, Merritt S., *et al.* (See Tripp, Benjamin D., assignor.)
- St. Clair, George H., Lynn, assignor to Merrimac Mattress Mfg. Company, Boston, Mass. Couch-bed. No. 1,119,053; Dec. 1; Gaz. vol. 209; p. 55.
- St. Jean, Téléphone, St. Paul, Minn. Leg-spreader for horses. No. 1,104,843; July 28; Gaz. vol. 204; p. 1046.
- St. John, George E., Adel, Ga. Rail brace and clamp. No. 1,123,032; Dec. 29; Gaz. vol. 209; p. 1597.
- St. John, James A., Niles, Ohio. Feed-bag. No. 1,112,941; Oct. 6; Gaz. vol. 207; p. 184.
- St. Louis Frog & Switch Company. (See Einstein, Robert E., assignor.)
- St. Louis Frog & Switch Company. (See Lichter and Maher, assignors.)
- St. Martin, James, Nashua, N. H. Nut-lock. No. 1,119,299; Dec. 1; Gaz. vol. 209; p. 137.
- Sta-Tite Packing Ring Company. (See Campbell, Edward B., assignor.)
- Staab, Alfred, Milwaukee, Wis. Lock. No. 1,100,449; June 16; Gaz. vol. 203; p. 795.
- Staab, Wilhelm, and H. Föckerer, Munich, Germany. Body-supporting appliance. No. 1,104,150; July 21; Gaz. vol. 204; p. 756.
- Staaf, Werner I., assignor of one-half to R. A. Morrow, Pittsburgh, Pa. Combination gage-cock, alarm, &c. No. 1,084,497; Jan. 13; Gaz. vol. 198; p. 437.
- Staaf, Werner I., assignor of one-half to E. B. Tyler, Pittsburgh, Pa. Liquid-meter. No. 1,093,808; Apr. 21; Gaz. vol. 201; p. 648.
- Staaf, Werner I., and E. B. Tyler, Pittsburgh, Pa. Liquid-meter. No. 1,092,082; Mar. 31; Gaz. vol. 200; p. 1331.
- Staat, Charles H., New York, N. Y. Artificial plume. No. 1,095,532; May 5; Gaz. vol. 202; p. 124.
- Stabinsky, Max, Watertown, N. Y. Renewing or reclaiming old worn felts. No. 1,116,749; Nov. 10; Gaz. vol. 208; p. 485.
- Stacey, William R. (See Hurd, George H., assignor.)
- Stacey, William S. (See Wright, James, assignor.)
- Stachnick, John W., Baltimore, Md. Automatic automobile rear signal. No. 1,106,982; Aug. 11; Gaz. vol. 205; p. 531.
- Stack, Elmer S., West Somerville, Mass. Water connection. No. 1,109,946; Sept. 8; Gaz. vol. 206; p. 427.
- Stack, Fred, Gardner, Colo. Gearing. No. 1,107,721; Aug. 18; Gaz. vol. 205; p. 841.
- Stackpole, Charles F., Lynn, assignor of one-half to A. H. Howard, Boston, Mass. Burnishing-machine. No. 1,116,856; Nov. 10; Gaz. vol. 208; p. 524.
- Stacneck, Stevens S., Gilbertville, Mass. Picker-check. No. 1,083,868; Jan. 6; Gaz. vol. 198; p. 198.
- Stacy, Charles E., Dayton, Ohio, assignor to Frank Holton & Company, Chicago, Ill. Mouthpiece. No. 1,089,876; Mar. 10; Gaz. vol. 200; p. 459.
- Stacy, Edward E., Onawa, Iowa. Implement for opening boxes. No. 1,110,969; Sept. 15; Gaz. vol. 206; p. 828.
- Stacy, Elmer N., assignor to Decarie Incinerator Company, Minneapolis, Minn. Incinerator. No. 1,114,199; Oct. 20; Gaz. vol. 207; p. 708.
- Stadden, Charles R., Davenport, Iowa. Button-cutting machine. No. 1,109,638; Sept. 1; Gaz. vol. 206; p. 275.
- Stadelmann, Adolphe, assignor to Societe Ad. & Ed. Deraisme, Paris, France. Hand-glasses combined with a dark chamber. No. 1,098,186; May 26; Gaz. vol. 202; p. 1161.
- Stadig, Esaias T., Cambridge, assignor of three-eighths to A. W. Weeden, Somerville, Mass., and one-fourth to G. Johanson, Woodland, Me. Builder's appliance. No. 1,113,167; Oct. 6; Gaz. vol. 207; p. 261.
- Stadig, Walter L., Soldier Pond, Me. Snow-plow. No. 1,084,498; Jan. 13; Gaz. vol. 198; p. 437.
- Stadig, Walter L., St. Francis, Me. Snow-plow. No. 1,093,493; Apr. 14; Gaz. vol. 201; p. 501.
- Stadtmueller, Max F., Fort Dodge, Iowa. Alarm mechanism for pneumatic-tired wheels. No. 1,093,739; Apr. 21; Gaz. vol. 201; p. 627.
- Stadum, Norman H. (See Pederson, John M., assignor.)
- Staerkle, Philip W. (See Schuler and Staerkle.)
- Staffel, Henry, assignor to The J. W. Ruger Manufacturing Company, Buffalo, N. Y. Pan-skip mechanism for dough-cutting machines. No. 1,111,549; Sept. 22; Gaz. vol. 206; p. 1071.
- Staffin, Edward A., Toledo, Ohio. Photographic-printing apparatus. No. 1,084,046; Jan. 13; Gaz. vol. 198; p. 291.
- Stafford, Benjamin E. D., assignor to Flannery Bolt Company, Pittsburgh, Pa. Flexible stay-bolt. No. 1,119,651; Dec. 1; Gaz. vol. 209; p. 258.
- Stafford, Benjamin E. D., assignor to Flannery Bolt Company, Pittsburgh, Pa. Flexible stay-bolt. No. 1,119,652; Dec. 1; Gaz. vol. 209; p. 259.
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- Stafford, Benjamin E. D., assignor to Flannery Bolt Company, Pittsburgh, Pa. Flexible stay-bolt. No. 1,119,655; Dec. 1; Gaz. vol. 209; p. 260.
- Stafford, Benjamin E. D., assignor to Flannery Bolt Company, Pittsburgh, Pa. Flexible stay-bolt. No. 1,119,656; Dec. 1; Gaz. vol. 209; p. 260.
- Stafford Company, The. (See Jackson, Simeon S., assignor.)
- Stafford Company, The. (See Lavigne, Charlie G., assignor.)
- Stafford, Elmer C. and G. N., Union Precinct, Ill. Fruit-picker. No. 1,121,145; Dec. 15; Gaz. vol. 209; p. 868.
- Stafford, Frederick A., Chariton, Iowa. Tamper. No. 1,085,505; Jan. 27; Gaz. vol. 198; p. 847.
- Stafford, George N. (See Stafford, Elmer C. and G. N.)
- Stafford, Hal R. (See Muhlfeld and Stafford.)
- Stafford, Hal R., Plainfield, N. J. Car-truck. No. 1,114,061; Oct. 20; Gaz. vol. 207; p. 657.
- Stafford, Hal R., Plainfield, N. J., assignor to Economy Devices Corporation, New York, N. Y. Steam-engine valve-reversing gear. No. 1,121,414; Dec. 15; Gaz. vol. 209; p. 958.
- Stafford, Walter, Roches-Ainsdale, near Southport, England. Marine safety device. No. 1,096,798; May 12; Gaz. vol. 202; p. 588.
- Stafford, Wiley, Jeffris, La. Saw-set. No. 1,111,926; Sept. 29; Gaz. vol. 206; p. 1241.
- Stafford, Wilfred, assignor to The Oliver Typewriter Co., Ltd., London, England. Tape-copy-holder attachment for type-writers. No. 1,104,568; July 21; Gaz. vol. 204; p. 904.
- Stage, Claude H., Anderson, Ind. Pump. No. 1,118,963; Dec. 1; Gaz. vol. 209; p. 20.
- Stager, Clarence J., Washington, D. C. Axle-nut lock. No. 1,098,646; June 2; Gaz. vol. 203; p. 100.
- Stager, Henry, Hamsfork, Wyo. Brake-block clutch. No. 1,100,996; June 23; Gaz. vol. 203; p. 1037.
- Stahl, Axel, Chicago, Ill. Burglar-alarm. No. 1,111,190; Sept. 22; Gaz. vol. 206; p. 949.
- Stahl, Charles E., assignor to J. B. Stahl, Hartford City, Ind. Excavating-machine. No. 1,108,268; Aug. 25; Gaz. vol. 205; p. 1079.
- Stahl, Emil, East Stroudsburg, Pa. Weft stop-motion for looms. No. 1,102,610; July 7; Gaz. vol. 204; p. 137.
- Stahl, George, assignor to The Edgemont Machine Company, Dayton, Ohio. Friction-clutch. No. 1,085,765; Feb. 3; Gaz. vol. 199; p. 68.
- Stahl, George H., assignor to The Stawil Company, Quincy, Ill. Temperature-controlling device for storage batteries. No. 1,098,692; June 2; Gaz. vol. 203; p. 115.
- Stahl, Gustav H., Chicago, Ill. Ball-bearing retainer. No. 1,089,877; Mar. 10; Gaz. vol. 200; p. 460.
- Stahl, Herman, Erie, Pa. Tire-inflating device. No. 1,115,122; Oct. 27; Gaz. vol. 207; p. 1087.
- Stahl, Isaac S., assignor of one-half to G. W. Melcher, Bally, Pa. Composition for artificial wood. No. 1,086,235; Feb. 3; Gaz. vol. 199; p. 231.
- Stahl, Jacob B. (See Stahl, Charles E., assignor.)
- Stahlberger, Axel F. W., Dumbarton, Scotland. Stockless anchor. No. 1,112,864; Oct. 6; Gaz. vol. 207; p. 159.
- Stable, John A., Boston, Mass., assignor, by mesne assignments, to Stable Mechanical Tire Company, Limited, Wheel. No. 1,092,183; Apr. 7; Gaz. vol. 201; p. 20.

Alphabetical list of patentees—Continued.

- Stable Mechanical Tire Company. (See Stable, John A., assignor.)
- Stahley, Daniel, Kirk, Colo. Retarding device for corn-binders. No. 1,109,712; Sept. 8; Gaz. vol. 206; p. 344.
- Stahley, George W., Marienthal, Kans. Gearing. No. 1,122,654; Dec. 29; Gaz. vol. 209; p. 1463.
- Stahn, Herman C., Milwaukee, Wis. Separator. No. 1,086,477; Feb. 10; Gaz. vol. 199; p. 359.
- Stähr, John O. (See Seltzer and Stähr.)
- Staier, Henry, New York, N. Y. Making a composition for use in matches. No. 1,092,408; Apr. 7; Gaz. vol. 201; p. 98.
- Stair, Amos N., Cairo, Ill. Horse-collar. No. 1,100,788; June 23; Gaz. vol. 203; p. 964.
- Staley, Harrison L., Martinsville, Ind. Motion-augmenting pendulum-gearing. No. 1,108,938; Sept. 1; Gaz. vol. 206; p. 28.
- Staley, John F., Exhall, near Coventry, assignor of one-half to C. F. Jackson, Bedworth, England. Automatic stop for winding-gear. No. 1,095,294; May 5; Gaz. vol. 202; p. 42.
- Stalker, Fred C., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Making boots and shoes. No. 1,102,101; June 30; Gaz. vol. 203; p. 1472.
- Stalker, Ralph M., Bogota, N. J. Knockdown building structure. No. 1,111,040; Sept. 22; Gaz. vol. 206; p. 896.
- Stallforth, Friedrich, Wiesbaden, Germany. Concert-hall and like edifice. No. 1,120,858; Dec. 15; Gaz. vol. 209; p. 765.
- Stallman, Granville H., assignor to The C. Schmidt Company, Cincinnati, Ohio. Hog-scraper. No. 1,101,154; June 23; Gaz. vol. 203; p. 1091.
- Stallman, Granville H., assignor to The C. Schmidt Company, Cincinnati, Ohio. Hog-scraper. No. 1,101,155; June 23; Gaz. vol. 203; p. 1092.
- Stallsmith, Joseph F., Rosedale, Kans. Baling-press. No. 1,113,064; Oct. 6; Gaz. vol. 207; p. 225.
- Stalnaker, Charles W., guardian. (See Stalnaker, Earl G.)
- Stalnaker, Earl G.; C. W. Stalnaker, guardian of said Earl G. Stalnaker, minor, assignor to C. W. Hoff, Chicago, Ill. Electric tuning device. No. 1,096,065; May 12; Gaz. vol. 202; p. 340.
- Stalnaker, Earl G., minor; C. W. Stalnaker, guardian, assignor to C. W. Hoff, Chicago, Ill. Wireless receiving system. No. 1,099,865; June 9; Gaz. vol. 203; p. 555.
- Stalnaker, Salathiel W., Flat Woods, W. Va. Folding crate. No. 1,111,811; Sept. 29; Gaz. vol. 206; p. 1201.
- Stalzer, Ernest, New York, N. Y. Glass-grinding machine. No. 1,103,093; July 14; Gaz. vol. 204; p. 348.
- Stambach, Arthur, Edgewood Park, Pa. Fastening device. No. 1,095,683; May 5; Gaz. vol. 202; p. 174.
- Stamm, Charles H., assignor of one-third to J. H. Panabaker and one-third to E. Cox, Kokomo, Ind. Burial apparatus. No. 1,101,217; June 23; Gaz. vol. 203; p. 1115.
- Stamm, Fred B., Los Angeles, Cal. Platform-operated machine. No. 1,112,572; Oct. 6; Gaz. vol. 207; p. 57.
- Stamm, Hans, St. Gallen, Switzerland. Automatic-loading firearm. No. 1,096,324; May 12; Gaz. vol. 202; p. 429.
- Stamm, John G., Canton, Ohio. Pneumatic sweeper. No. 1,089,800; Mar. 10; Gaz. vol. 200; p. 433.
- Stamm, Martin C., Chicago, Ill. Signal apparatus for automobiles. No. 1,096,571; May 12; Gaz. vol. 202; p. 511.
- Stamps, Henry W., Rome, Ga. Cover for sheet-music, magazines, and the like. No. 1,112,487; Oct. 6; Gaz. vol. 207; p. 25.
- Stamps, Nathaniel C., Ocean Park, Cal., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carbureter. No. 1,089,089; Mar. 3; Gaz. vol. 200; p. 142.
- Stanard Automobile Manufacturing Company, The. (See Stanard, Frank H., assignor.)
- Stanard, Frank H., assignor to The Stanard Automobile Manufacturing Company, Denver, Colo. Steam-engine. No. 1,102,102; June 30; Gaz. vol. 203; p. 1473.
- Stanard, Frank H., assignor to The Stanard Automobile Manufacturing Company, Denver, Colo. Hub for positively-driven steering-wheels. No. 1,103,702; July 14; Gaz. vol. 204; p. 564.
- Stanbery, George A., Zionville, N. C. Plow. No. 1,090,760; Mar. 17; Gaz. vol. 200; p. 804.
- Stanbon, Charles P., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heeling-machine attachment. No. 1,098,693; June 2; Gaz. vol. 203; p. 116.
- Stanbon, Charles P., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Welt-cutting machine. No. 1,115,123; Oct. 27; Gaz. vol. 207; p. 1087.
- Stanbon, Charles P., Saugus, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Folding-machine. No. 1,120,556; Dec. 8; Gaz. vol. 209; p. 611.
- Stanbridge, George H., Cleveland, Ohio. Bolt for doors. No. 1,108,939; Sept. 1; Gaz. vol. 206; p. 29.
- Standiff, Edwin, New York, N. Y. Railway-wheel. No. 1,117,271; Nov. 17; Gaz. vol. 208; p. 708.
- Standiff, Lynn E., *et al.* (See De Force, George I., assignor.)
- Stanczak, Stanislaw, Cobalt, Ontario, Canada. Bag-holder for trucks. No. 1,116,150; Nov. 3; Gaz. vol. 208; p. 234.
- Standard Alcohol Company. (See Gallagher, Francis E., assignor.)
- Standard Alcohol Company. (See Gallagher and Mork, assignors.)
- Standard Alcohol Company. (See Little, Arthur D., assignor.)
- Standard Automatic Machine Company. (See Coates, Frederick, assignor.)
- Standard Car Truck Company. (See Barber, Franklin L., assignor.)
- Standard Car Truck Company. (See Barber, John C., assignor.)
- Standard Car Truck Company. (See Barber and Webb, assignors.)
- Standard Chemical Company. (See Pommerhantz, Gustav, assignor.)
- Standard Computing Scale Company. (See Jaenichen, Louis, assignor.)
- Standard Computing Scale Company. (See King, Bert W., assignor.)
- Standard Connecting Rod Company. (See Richards, John M., assignor.)
- Standard Cross-Tie Machine Company. (See Martin and Bryan, assignors.)
- Standard Electric Works. (See Ecklyn, Charles N., assignor.)
- Standard Engineering Works, The. (See Campbell, Leon W., assignor.)
- Standard Gas Generator Co. (See Ponarouse, George, assignor.)
- Standard Gas Power Company. (See Akerlund, Gustaf, assignor.)
- Standard Heat and Ventilation Company. (See Creveling, John L., assignor.)
- Standard Heat and Ventilation Company. (See Dixon, Robert M., assignor.)
- Standard Heat and Ventilation Company. (See Garland, William L., assignor.)
- Standard Heat and Ventilation Company. (See Simmons, Charles A., assignor.)
- Standard Heat and Ventilation Company. (See Towne, Joseph M., assignor.)
- Standard Heat and Ventilation Company. (See Ward, John E., assignor.)
- Standard Horse Nail Company, The. (See Merrick, Silas C., assignor.)
- Standard Knitting Mills Company. (See Marlow, William, assignor.)
- Standard Machine Company. (See Houseman, Harry A., assignor.)
- Standard Machinery Company. (See Murphy, William T., assignor.)
- Standard Manufacturing Company, The. (See Brucker, Francis, assignor.)
- Standard Motor Construction Company. (See Riotte, Carl C., assignor.)
- Standard Motor Construction Company. (See Riotte and Smith, assignors.)
- Standard Motor Construction Company. (See Smith, Benjamin C., assignor.)
- Standard Motor Truck Co. (See Christianson, Andrew, assignor.)
- Standard Motor Truck Company. (See Cory, Wilbur G., assignor.)
- Standard Oil Company. (See Burton, William M., assignor.)
- Standard Oil Company. (See Ewing, Charles R., assignor.)
- Standard Oil Company. (See Humphreys, Robert E., assignor.)
- Standard Oil Company. (See Koehler and Link, assignors.)
- Standard Oil Company. (See Rogers and Cooke, assignors.)
- Standard Plunger Elevator Company. (See Jansson, Karl E. O., assignor.)
- Standard Register Company, The. (See Schirmer, Theodore F., assignor.)
- Standard Ribbon Machine Company. (See Schutz, Joseph M., assignor.)
- Standard Rock Drill Company, The. (See O'Brien and Oliver, assignors.)
- Standard Rock Drill Company, The. (See Oliver, George A., assignor.)
- Standard Roller Bearing Company. (See Hess, Charles B., assignor.)
- Standard Sanitary Manufacturing Company. (See Lindsay, William, assignor.)
- Standard Sanitary Manufacturing Company. (See Torrance, Francis J., assignor.)
- Standard Separator Company. (See Salisbury, Charles K., assignor.)
- Standard Sewing Machine Company, The. (See Mack, William A., assignor.)
- Standard Silica Brick Machinery Company. (See Avram, Moïse H., assignor.)
- Standard Steel Car Company. (See Christianson, Andrew, assignor.)

Alphabetical list of patentees—Continued.

- Standard Steel Wheel and Tire Armor Company. (See Livingston, Andrew W., assignor.) (Reissue.)
- Standard Stoker Company. (See Williams, David T., assignor.)
- Standard Thermometer Company. (See Adair, Thomas D., assignor.)
- Standard Thermometer Company. (See Peebles, George D., assignor.)
- Standard Thermometer Company. (See Spear, George E., assignor.)
- Standard Typewriter Company. (See Hazen, Marshman W., assignor.)
- Standard Typewriter Company. (See Hazen and Petermann, assignors.)
- Standard Typewriter Company. (See Petermann, Otto, assignor.)
- Standard Underground Cable Company. (See Baldwin, Chauncey C., assignor.)
- Standard Underground Cable Company. (See Davis, Charles W., assignor.)
- Standard Varnish Works. (See Beausejour, Reme A., assignor.)
- Standard Vending Machine Company. (See Ravert, William I., assignor.)
- Standard Welding Company, The. (See Bryant, Richard S., assignor.)
- Standard Welding Company, The. (See Gressle, Charles W., assignor.)
- Standard Welding Company, The. (See Sessions, Frank L., assignor.)
- Standard Welding & Equipment Corporation, The. (See Brousseau, Harry, assignor.)
- Standeford, Archie D., Kansas City, Mo. Shutter for motion-picture machines. No. 1,091,543; Mar. 31; Gaz. vol. 200; p. 1147.
- Standerwick, Reginald G., Lynn, Mass., assignor to General Electric Company. Distribution system for vapor electric devices. No. 1,093,083; Apr. 14; Gaz. vol. 201; p. 364.
- Standfest, George, Rochester, N. Y. Railway-spike. No. 1,103,444; July 14; Gaz. vol. 204; p. 470.
- Stanecky, Emil and L. H., Chicago, Ill. Window. No. 1,113,502; Oct. 13; Gaz. vol. 207; p. 425.
- Stanecky, Lea H. (See Stanecky, Emil and L. H.)
- Stanfield, Jasper H., assignor of one-half to F. Schuler, Muskegon, Mich. Toy fly-swatter. No. 1,108,269; Aug. 25; Gaz. vol. 205; p. 1079.
- Stanfield, Jasper H., Muskegon, assignor of one-half to Michigan Washing Machine Company, Muskegon Heights, and one-fourth to W. H. Bozell, Muskegon, Mich. Cherry seeder or pitter. No. 1,093,361; Apr. 14; Gaz. vol. 201; p. 460.
- Stanfield, Jasper H., Muskegon, assignor of one-half to Michigan Washing Machine Company, Muskegon Heights, and one-fourth to W. H. Bozell, Muskegon, Mich. Cherry seeder or pitter. No. 1,105,858; Aug. 4; Gaz. vol. 205; p. 95.
- Stanfield, Stephen O., Orange, Cal. Rotary valve. No. 1,093,891; Apr. 21; Gaz. vol. 201; p. 677.
- Stanford, Arthur L., Chicago, Ill. Rail-anchor. No. 1,108,635; Aug. 25; Gaz. vol. 205; p. 1206.
- Stanford, Arthur L., Chicago, Ill. Track-drill. No. 1,117,610; Nov. 17; Gaz. vol. 208; p. 826.
- Stang, Henry J., Bison, Kans. Sash-lock. No. 1,104,081; July 21; Gaz. vol. 204; p. 734.
- Stange, John A., Regent, N. D. Steering-guide. No. 1,105,107; July 28; Gaz. vol. 204; p. 1136.
- Stange, Magnus E., assignor of one-third to S. D. Bumgardner, St. Paul, Minn. Dumping-car. No. 1,086,336; Feb. 3; Gaz. vol. 199; p. 262.
- Stanion, D. Curtis, Santa Cruz, Cal. Carrier. No. 1,111,927; Sept. 29; Gaz. vol. 206; p. 1241.
- Stanislao, Giuseppe di, Camden, N. J. Talking-machine. No. 1,095,747; May 5; Gaz. vol. 202; p. 196.
- Stanislaw & Georgij Gaszynski Bros., Apoznanski & Co. (See Apoznanski, Joseph, assignor.)
- Stankard, Peter T., Denver, Colo. Coin-controlled machine. No. 1,122,655; Dec. 29; Gaz. vol. 209; p. 1463.
- Stanley, Charles, Chicago, Ill. Fishing-reel. No. 1,087,149; Feb. 17; Gaz. vol. 199; p. 641.
- Stanley, George L., Dongan Hills, N. Y. Liquid polishing-brush. No. 1,085,506; Jan. 27; Gaz. vol. 198; p. 847.
- Stanley, Howard A., Newark, N. J. Loose-leaf binder. No. 1,109,260; Sept. 1; Gaz. vol. 206; p. 143.
- Stanley, John O., assignor to B. F. Perkins & Son, Incorporated, Holyoke, Mass. Clutch device for starting explosive-engines. No. 1,114,304; Oct. 20; Gaz. vol. 207; p. 745.
- Stanley, Joseph, Huntington, Ind. Automatic signaling apparatus for locomotives. No. 1,108,015; Aug. 18; Gaz. vol. 205; p. 942.
- Stanley, Ralph A., Gladstone, Ill. Invalid-bedstead. No. 1,104,390; July 21; Gaz. vol. 204; p. 839.
- Stanley Rule & Level Company, The. (See Bodmer, Christian, assignor.)
- Stanley Rule & Level Company, The. (See McNutt, Thomas H., assignor.)
- Stanley Rule & Level Company, The. (See Schade, Edmund A., assignor.)
- Stanley, Theodore D., Detroit, Mich. Friction transmission mechanism. No. 1,089,596; Mar. 10; Gaz. vol. 200; p. 364.
- Stanley, William, Great Barrington, Mass., assignor to General Electric Company. Electric cooking device. No. 1,091,714; Mar. 31; Gaz. vol. 200; p. 1205.
- Stanley, William, Great Barrington, and H. P. Ball, Pittsfield, Mass., assignors to General Electric Company. Electric broiler. No. 1,122,041; Dec. 22; Gaz. vol. 209; p. 1216.
- Stanley Works, The. (See Howe, Leon S., assignor.) (Reissue.)
- Stanley Works, The. (See Marwick, David B., assignor.)
- Stanovich, Jacob, *et al.* (See Negovatch, Peter, assignor.)
- Stansbury, Harry S., assignor of one-half to J. M. Pearce, Baltimore, Md. Armored tire. No. 1,119,894; Dec. 8; Gaz. vol. 209; p. 377.
- Stansell, Walker, Memphis, Tenn. Bucket-catch. No. 1,121,415; Dec. 15; Gaz. vol. 209; p. 959.
- Stanton, C. W. (See Markwell, Andrew E., assignor.)
- Stanton, Charles S., Cooperstown, N. Y. Automatic railway-control system. No. 1,084,047; Jan. 13; Gaz. vol. 198; p. 291.
- Stanton, Charles W., assignor to The Mobile Company, Mobile, Ala. Drying corn. No. 1,086,950; Feb. 10; Gaz. vol. 199; p. 522.
- Stanton, Cyrus B., New York, N. Y. Feeding mechanism for cork-cutting machines. No. 1,121,685; Dec. 22; Gaz. vol. 209; p. 1090.
- Stanton, Edward S., Cleveland, Ohio. Building block or tile. No. 1,088,040; Feb. 24; Gaz. vol. 199; p. 999.
- Stanton, George W., Athens, Tenn. Wood-splitting machine. No. 1,105,108; July 28; Gaz. vol. 204; p. 1137.
- Stanton, Michael J., Shelton, Conn. Safety attachment for air-cooled gas-engines. No. 1,100,158; June 16; Gaz. vol. 203; p. 695.
- Stanwood, George E., and W. E. Smith, Middletown, N. Y. Try, rafter, and miter square. No. 1,084,973; Jan. 20; Gaz. vol. 198; p. 629.
- Stapel, Adolf G., Montgomery, Ala. Sectional hot-air furnace. No. 1,094,686; Apr. 28; Gaz. vol. 201; p. 1007.
- Stapel, Adolf G., Montgomery, Ala. Hot-water heating system. No. 1,094,757; Apr. 28; Gaz. vol. 201; p. 1034.
- Stapler, Alexander, Charlottenburg, assignor to Oja Aktiengesellschaft, Berlin, Germany. Apparatus for dispensing congealed or solid substances. No. 1,089,683; Mar. 10; Gaz. vol. 200; p. 394.
- Staples, Albert F., Dorchester, Mass. Account-register. No. 1,086,236; Feb. 3; Gaz. vol. 199; p. 231.
- Staples, Albert F., Dorchester, Mass. Ash-sifter. No. 1,108,270; Aug. 25; Gaz. vol. 205; p. 1079.
- Staples, Elisha S., New Haven, assignor of one-half to C. E. Graham, West Haven, Conn. Non-refillable bottle. No. 1,103,895; July 14; Gaz. vol. 204; p. 629.
- Staples, George, Oshkosh, Wis. Horseshoe. No. 1,088,473; Feb. 24; Gaz. vol. 199; p. 1145.
- Staples, John A., Walkertown, N. C. Water-elevating apparatus. No. 1,090,244; Mar. 17; Gaz. vol. 200; p. 629.
- Staples, John A., Newburgh, N. Y. Foot-operated control device for automobiles. No. 1,103,094; July 14; Gaz. vol. 204; p. 349.
- Staples, John A., Newburgh, N. Y. Foot-control device for automobiles. No. 1,103,095; July 14; Gaz. vol. 204; p. 349.
- Staples, John A., Newburgh, N. Y. Foot-operated control device for automobiles and the like. No. 1,110,970; Sept. 15; Gaz. vol. 206; p. 829.
- Staples, Sidney J., West New York, N. J., assignor to Auto Pneumatic Action Company. Grand player-piano. No. 1,121,774; Dec. 22; Gaz. vol. 209; p. 1120.
- Staples, Willard G., Newburyport, Mass. Automatic feeding device. No. 1,110,015; Sept. 8; Gaz. vol. 206; p. 451.
- Staples, Willard G., Newburyport, assignor, by mesne assignments, to Federal Metallic Packing Company, Boston, Mass. Twisting-machine. No. 1,106,899; Aug. 11; Gaz. vol. 205; p. 503.
- Staples, Willard G., Newburyport, assignor, by mesne assignments, to Federal Metallic Packing Company, Boston, Mass. Machine for making packing. No. 1,122,168; Dec. 22; Gaz. vol. 209; p. 1256.
- Stapleton, Birt B., Downing, assignor of one-half to E. J. Goines, Memphis, Mo. Automobile-wheel. No. 1,089,445; Mar. 10; Gaz. vol. 200; p. 311.
- Stapleton, James F., assignor to The Aerated Gas Appliance Co., San Francisco, Cal. Range. No. 1,121,775; Dec. 22; Gaz. vol. 209; p. 1120.
- Stapleton, John T., Jersey City, N. J., assignor of one-half to V. H. Skinner, Balboa, Canal Zone. Electric hair-drier. No. 1,090,579; Mar. 17; Gaz. vol. 200; p. 747.
- Stapp, Philipp, Munich, Germany. Apparatus for steaming and drying textile fabrics. No. 1,115,982; Nov. 3; Gaz. vol. 208; p. 176.
- Stapp, Simeon G., Phillipsburg, Kans. Rotary hydrocarbon-engine. No. 1,114,816; Oct. 27; Gaz. vol. 207; p. 977.
- Star Ball Bearing Door-Hanger Company. (See Perlman, Abraham, assignor.)
- Star Ball Retainer Company, The. (See Straub, Jackson L., assignor.)

Alphabetical list of patentees—Continued.

- Star Cement Block Machine Company. (See Yeocum, William, assignor.)
- Star Novelty Manufacturing Co. (See Vandiver, Leslie A., assignor.)
- Star Seal Company. (See Stone, William F., assignor.)
- Star Speedometer Company. (See Shimer, Elmer S., assignor.)
- Starbuck, Calvin T., Birmingham, Ala., assignor to A. O. Norton, Incorporated. Lifting-jack. No. 1,093,590; Apr. 14; Gaz. vol. 201; p. 532.
- Starbuck, George F., Waltham, Mass. Truck. No. 1,094,822; Apr. 28; Gaz. vol. 201; p. 1056.
- Starbuck, Thomas, Bridgeport, Ohio. Spike. No. 1,114,305; Oct. 20; Gaz. vol. 207; p. 745.
- Starck, Gustaf H., Waukegan, Ill. Apparatus for treating waste hydrochloric-acid-pickle liquors. No. 1,090,173; Mar. 17; Gaz. vol. 200; p. 604.
- Starek, Piter, and K. Czerwinski, Chrome, N. J. Curtain-pole. No. 1,083,949; Jan. 13; Gaz. vol. 198; p. 256.
- Starin, Frank, Springfield, Mass. Ball-bearing. No. 1,091,544; Mar. 31; Gaz. vol. 200; p. 1147.
- Starin, Frank, Springfield, Mass. Drill-chuck. No. 1,114,653; Oct. 20; Gaz. vol. 207; p. 867.
- Starin, Frank, Springfield, Mass. Ball-bearing. No. 1,115,124; Oct. 27; Gaz. vol. 207; p. 1087.
- Stark, Andrew, Chicago, Ill. Rail-securing device. No. 1,095,432; May 5; Gaz. vol. 202; p. 88.
- Stark, Andrew, Chicago, Ill. Railway-tie. No. 1,097,564; May 19; Gaz. vol. 202; p. 898.
- Stark, Arthur L., assignor, by mesne assignments, to The Enamel Company of America, Elyria, Ohio. Manufacturing antimony oxid. No. 1,096,468; May 12; Gaz. vol. 202; p. 477.
- Stark Car Coupler Corporation. (See Kadie, Carl H., assignor.)
- Stark, Harry G., Philadelphia, Pa. Valve for internal-combustion engines. No. 1,100,159; June 16; Gaz. vol. 203; p. 695.
- Stark, Hugo W., and W. Knuts, San Francisco, Cal. Rotary cutter. No. 1,121,776; Dec. 22; Gaz. vol. 209; p. 1120.
- Stark, John R. (See Killman and Stark.)
- Starke, Eric A., Berkeley, Cal. Refining petroleum and its by-products. No. 1,109,187; Sept. 1; Gaz. vol. 206; p. 117.
- Starker, Charles W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Field-coil support. No. 1,086,096; Feb. 3; Gaz. vol. 199; p. 186.
- Starker, Charles W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Collector-ring. No. 1,108,940; Sept. 1; Gaz. vol. 206; p. 29.
- Starkey, John B. (See Quinn, James A., assignor.)
- Starkey, William C., Zionsville, Ind. Trolley-wire ear. No. 1,085,829; Feb. 3; Gaz. vol. 199; p. 89.
- Starkweather, Henry W., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushroom-bullet. No. 1,107,722; Aug. 18; Gaz. vol. 205; p. 841.
- Starman, Joseph, Cedar Rapids, Iowa, assignor to North Star Manufacturing Company, Chicago, Ill. Cell-case machine. No. 1,110,656; Sept. 15; Gaz. vol. 206; p. 720.
- Starn, Willoughby J., assignor of one-half to E. L. Jacobs, Lawndale, Ohio. Window-cleaning device. No. 1,083,342; Jan. 6; Gaz. vol. 198; p. 28.
- Starr, A. P., et al., trustees. (See Paffrath, Theodor H., assignor.)
- Starr, Alden B., New York, N. Y. Bottoming-machine. No. 1,106,419; Aug. 11; Gaz. vol. 205; p. 331.
- Starr, George B., assignor of one-half to O. J. Meads, Oakland, Cal. Automatic alarm time-clock. No. 1,108,636; Aug. 25; Gaz. vol. 205; p. 1206.
- Starr, Hyman, New York, N. Y. Collar for sweaters. No. 1,087,614; Feb. 17; Gaz. vol. 199; p. 804.
- Starr, John H., and J. F. Doran, assignors to E. A. Mallory and Sons, Incorporated, Danbury, Conn. Machine for brushing, jacking, and sizing hats. No. 1,114,547; Oct. 20; Gaz. vol. 207; p. 832.
- Starr, Leonard, Fond du Lac, Wis. Vegetable-cutter. No. 1,097,479; May 19; Gaz. vol. 202; p. 870.
- Starr, Lyman J., and W. H. White, assignors to The Badger Brass Mfg. Co., Kenosha, Wis. Portable light. No. 1,095,533; May 5; Gaz. vol. 202; p. 124.
- Starr Piano Company, The. (See Draper, Francis W., assignor.)
- Starrett, Clifford W., deceased, Plymouth, Wis.; M. L. Starrett, executrix. Cheese-loaf. No. 1,122,548; Dec. 29; Gaz. vol. 209; p. 1425.
- Starrett, Laroy S. (See Bates, Dresser T., assignor.)
- Starrett, Laroy S., assignor to The L. S. Starrett Company, Athol, Mass. Micrometer. No. 1,098,694; June 2; Gaz. vol. 203; p. 116.
- Starrett, Maud L., executrix. (See Starrett, Clifford W.)
- Starrett, Josiah, Lakeside, Cal. Revolving plow. No. 1,084,908; Jan. 20; Gaz. vol. 198; p. 608.
- Stas-Rotationsmotor-Gesellschaft m. b. H. (See Richelle, Louis S. de, assignor.)
- Stashko, Francis, New York, N. Y. Separable button. No. 1,115,125; Oct. 27; Gaz. vol. 207; p. 1088.
- Stasiak, John, Seattle, Wash. Aeroplane. No. 1,108,941; Sept. 1; Gaz. vol. 206; p. 29.
- Stasiak, John, Cumberland, Wash. Mail-box and time-marker. No. 1,109,646; Sept. 1; Gaz. vol. 206; p. 278.
- Stassano, Ernesto, Turin, Italy. Electric furnace. No. 1,105,859; Aug. 4; Gaz. vol. 205; p. 96.
- Stassano, Ernesto, Turin, Italy, and N. Petinot, Niagara Falls, N. Y. Electric furnace for medium temperatures particularly for melting copper and its alloys. No. 1,093,494; Apr. 14; Gaz. vol. 201; p. 501.
- Staten, Claude S., Dallas, Tex. Resilient filler for elastic vehicle-tires. No. 1,097,824; May 26; Gaz. vol. 202; p. 1034.
- States Company, The. (See Kennedy, Matthew G., assignor.)
- Static Electro Eradicator. (See Smith, Frank A., assignor.)
- Statler, Ellsworth M., and J. A. Johnson, Buffalo, N. Y., assignors to W. R. Hughes, Pittsburgh, Pa. Bathroom fixture. No. 1,105,164; July 28; Gaz. vol. 204; p. 1156.
- Statler, John G., Wilmslow, England, assignor to W. M. Scott, Radnor, Pa. Time-element device. No. 1,100,789; June 23; Gaz. vol. 203; p. 964.
- Stattmann, Walter A., Wilmette, assignor to Universal Non-Refillable Bottle Company, Chicago, Ill. Bottle. No. 1,099,866; June 9; Gaz. vol. 203; p. 556.
- Stattmann, Walter A., Wilmette, assignor to Universal Non-Refillable Bottle Company, Chicago, Ill. Non-refillable bottle. No. 1,120,756; Dec. 15; Gaz. vol. 209; p. 729.
- Statts, Orien, Solsberry, Ind. Door-hanger. No. 1,119,465; Dec. 1; Gaz. vol. 209; p. 194.
- Staub, John W. (See Howard, Benjamin F., assignor.)
- Stäubli, Hermann, and R. Horgen, Switzerland. Appliance for use with ring-spinning machines. No. 1,109,309; Sept. 1; Gaz. vol. 206; p. 160.
- Stäubli, Robert. (See Stäubli, Hermann and R.)
- Staudé, Edwin G., Minneapolis, Minn. Machine for making flexible boxes. No. 1,104,012; July 21; Gaz. vol. 204; p. 709.
- Staudé, Edwin G., Minneapolis, Minn. Folding and gluing machine. No. 1,104,013; July 21; Gaz. vol. 204; p. 709.
- Staudé, Edwin G., Minneapolis, Minn. Counter for box-blanks. No. 1,113,503; Oct. 13; Gaz. vol. 207; p. 425.
- Staudt, Ira L., Hainton, Pa. Brush. No. 1,113,707; Oct. 13; Gaz. vol. 207; p. 495.
- Stauffer, John, Oakland, assignor to San Francisco Salt Refinery, San Francisco, Cal. Transporting salt. No. 1,091,251; Mar. 24; Gaz. vol. 200; p. 1008.
- Stauffer, John, assignor to San Francisco Salt Refinery, San Francisco, Cal. Cleaning salt. No. 1,091,252; Mar. 24; Gaz. vol. 200; p. 1008.
- Staunton, Frederic J., Milwaukee, Wis. Treating textile and other porous fabrics. No. 1,108,408; Aug. 25; Gaz. vol. 205; p. 1126.
- Staunton, Gray, Muskegon, Mich. Treating rubber. No. 1,115,031; Oct. 27; Gaz. vol. 207; p. 1054.
- Stavdal, Peter M., Nicolaus, Cal. Track-gage. No. 1,084,760; Jan. 20; Gaz. vol. 198; p. 559.
- Staveley, William. (See Richardson and Staveley.)
- Stawil Company, The. (See Stahl, George H., assignor.)
- Stayton, Lorenzo Y., Tacoma, Wash. Center core for concrete pipes. No. 1,120,102; Dec. 8; Gaz. vol. 209; p. 449.
- Staziak, John, Seattle, Wash. Change-making machine. No. 1,085,766; Feb. 3; Gaz. vol. 199; p. 68.
- Sté. Maurice et Pierre Collet et Cie. (See Collet, Albert, assignor.)
- Steadman, Christopher. (See Robinson and Steadman.) (Reissue.)
- Steadman, Willard G., Jr., Southington, Conn. Tent-peg. No. 1,109,478; Sept. 1; Gaz. vol. 206; p. 219.
- Stealy, Amasa V., Elkhart, Ind. Hot-water or steam boiler. No. 1,088,474; Feb. 24; Gaz. vol. 199; p. 1145.
- Stealy, Eliza R., Shenandoah, Iowa. Dental appliance. No. 1,119,373; Dec. 1; Gaz. vol. 209; p. 164.
- Steam Power Devices Company, The. (See Winslow, William H., assignor.)
- Stearns, Albert, Alto Pass, Ill. Sickle apparatus. No. 1,112,231; Sept. 29; Gaz. vol. 206; p. 1344.
- Stearns, Jason C., Worcester, Mass. Lamp-reflector. No. 1,084,713; Jan. 20; Gaz. vol. 198; p. 543.
- Stearns, Jason C., Worcester, Mass. Electrical connection. No. 1,084,714; Jan. 20; Gaz. vol. 198; p. 543.
- Stearns, Jason C., Worcester, Mass. Electric connector. No. 1,096,138; May 12; Gaz. vol. 202; p. 364.
- Stearns, Jason C., Worcester, Mass. Electric-lamp fitting. No. 1,115,032; Oct. 27; Gaz. vol. 207; p. 1054.
- Stearns, Jason C., Worcester, Mass. Electric lamp. No. 1,115,033; Oct. 27; Gaz. vol. 207; p. 1055.
- Stearns, Jason C., Worcester, Mass. Electric-lamp socket and connector. No. 1,115,874; Nov. 3; Gaz. vol. 208; p. 138.
- Stearns-Roger Manufacturing Co., The. (See Nevill, David J., assignor.)
- Stearns, Walter A., Hammond, Ind., assignor to American Steel Foundries, New York, N. Y. Car construction. No. 1,088,739; Mar. 3; Gaz. vol. 200; p. 24.
- Stearns, Walter A., Hammond, Ind., assignor to American Steel Foundries, New York, N. Y. Car-sill bearing. No. 1,101,101; June 23; Gaz. vol. 203; p. 1073.

Alphabetical list of patentees—Continued.

- Stebbins, Frank E., Washington, D. C. Alcove sleeping-car. No. 1,119,466; Dec. 1; Gaz. vol. 209; p. 195.
- Stebbins, Henry S., Reading, Pa. Fishing-reel. No. 1,122,042; Dec. 22; Gaz. vol. 209; p. 1216.
- Stebbins, Katharine, New York, N. Y. Operating-table for use in animal research. No. 1,089,283; Mar. 3; Gaz. vol. 200; p. 208.
- Stebbins, Timothy, assignor to Red Jacket Manufacturing Company, Davenport, Iowa. Coupling for well-pump rods. No. 1,097,995; May 26; Gaz. vol. 202; p. 1096.
- Stebbins, Walter K., Fairmount, N. D. Egg-tester. No. 1,091,778; Mar. 31; Gaz. vol. 200; p. 1228.
- Stec, John, Michigan City, Ind. Trundle whirligig toy. No. 1,104,227; July 21; Gaz. vol. 204; p. 783.
- Steckel, William W., Eastside, Oreg. Portable saw-sharpener. No. 1,111,191; Sept. 22; Gaz. vol. 206; p. 949.
- Steckle, Edward J., El Paso, Tex. Pulverizing or grinding machine. No. 1,092,302; Apr. 7; Gaz. vol. 201; p. 63.
- Steddom, Francis W. (See Gray, Granville H., assignor.)
- Stedman, Charles R., Cleveland, Ohio. Gas and coal burning furnace. No. 1,113,379; Oct. 13; Gaz. vol. 207; p. 381.
- Stedman, Marshall W., G. F. Kopp, and C. R. Myers, Tyringham, Mass. Hand-rake. No. 1,094,174; Apr. 21; Gaz. vol. 201; p. 773.
- Stedman, Pascal H., Newport, R. I. Blind-fastener. No. 1,115,126; Oct. 27; Gaz. vol. 207; p. 1088.
- Stedman, William A., Wonder, Nev., assignor to The Butters Patent Vacuum Filter Company, Inc. Apparatus for filtering slimes. No. 1,100,267; June 16; Gaz. vol. 203; p. 733.
- Stedman, William H., assignor to The Merrow Machine Company, Hartford, Conn. Raceway for stitch-forming reciprocating elements. No. 1,086,790; Feb. 10; Gaz. vol. 199; p. 469.
- Stedman, William H., assignor to The Merrow Machine Company, Hartford, Conn. Garment-turner. No. 1,100,203; June 16; Gaz. vol. 203; p. 710.
- Steed, Ralph W., Portland, Ind. Measuring instrument. No. 1,109,479; Sept. 1; Gaz. vol. 206; p. 219.
- Steed, Robert W., Maplewood, N. J. Dish-washing machine. No. 1,090,420; Mar. 17; Gaz. vol. 200; p. 691.
- Steedman, Edwin H., St. Louis, Mo. Tongue-switch. No. 1,090,822; Mar. 17; Gaz. vol. 200; p. 826.
- Steedman, Edwin H., St. Louis, Mo. Cast-metal railway-crossing. No. 1,101,577; June 30; Gaz. vol. 203; p. 1288.
- Steedman, Edwin H., St. Louis, Mo. Tongue-switch. No. 1,111,041; Sept. 22; Gaz. vol. 206; p. 896.
- Steedman, Edwin H., St. Louis, assignor to Curtis & Company Manufacturing Company, Wellston, Mo. Frog and switch. No. 1,120,557; Dec. 8; Gaz. vol. 209; p. 612.
- Steedman, Edwin H., St. Louis, assignor to Curtis & Company Manufacturing Company, Wellston, Mo. Frog and crossing. No. 1,120,558; Dec. 8; Gaz. vol. 209; p. 612.
- Steedman, George F., St. Louis, Mo. Intermediate stop device for pneumatic elevators. No. 1,101,102; June 23; Gaz. vol. 203; p. 1073.
- Steedman, George F., St. Louis, Mo. Lubricator. No. 1,121,595; Dec. 15; Gaz. vol. 209; p. 1022.
- Steeg, Charles S., Winslow, Ariz. Car-brake mechanism. No. 1,102,175; June 30; Gaz. vol. 203; p. 1498.
- Steel, Andrew J., Needles, Cal. Portable washbowl. No. 1,121,146; Dec. 15; Gaz. vol. 209; p. 868.
- Steel Heddle Manufacturing Company. (See Kaufmann, Jacob, assignor.)
- Steel, John R. (See Huhn, John H., assignor.)
- Steel, Leonard R., Cleveland, Ohio. Insulated glass-lined canteen. No. 1,098,850; June 2; Gaz. vol. 203; p. 167.
- Steel, Leonard R., Cleveland, Ohio. Carrier for receptacles. No. 1,108,016; Aug. 18; Gaz. vol. 205; p. 943.
- Steel, Leonard R., Cleveland, Ohio. Bottle-receptacle. No. 1,108,017; Aug. 18; Gaz. vol. 205; p. 943.
- Steel, Matthew, Sr., and M., Jr., Gosforth, England. Blowpipe. No. 1,093,495; Apr. 14; Gaz. vol. 201; p. 501.
- Steel Railway Tie and Appliance Company, The. (See Shane, George H., assignor.)
- Steel Scaffolding Company. (See Bonenberger, George, assignor.)
- Steele, Albert J. (See Londick, John H., assignor.)
- Steele, Charles J., Jersey City, N. J. Device for spacing the upper and lower laps of endless clothes-lines. No. 1,091,089; Mar. 24; Gaz. vol. 200; p. 951.
- Steele, Charles M., Chicago, Ill. Base-ball game. No. 1,113,504; Oct. 13; Gaz. vol. 207; p. 426.
- Steele, Edwin C., Oxford, Ind. Hand-rake. No. 1,122,549; Dec. 29; Gaz. vol. 209; p. 1426.
- Steele, Edwin G. (See Sutton and Steele.)
- Steele, Franklin, Jr., Washington, D. C. Automatic train control and alarm. No. 1,115,254; Oct. 27; Gaz. vol. 207; p. 1133.
- Steele, Herbert B., Boston, Mass. Gas-igniter. No. 1,096,276; May 12; Gaz. vol. 202; p. 412.
- Steele, Herbert B., Boston, Mass. Gas controlling and lighting mechanism. No. 1,096,277; May 12; Gaz. vol. 202; p. 412.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,089,446; Mar. 10; Gaz. vol. 200; p. 311.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,096,646; May 12; Gaz. vol. 202; p. 537.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,106,420; Aug. 11; Gaz. vol. 205; p. 332.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,106,744; Aug. 11; Gaz. vol. 205; p. 449.
- Steele, Herbert H. Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,110,082; Sept. 8; Gaz. vol. 206; p. 475.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,110,356; Sept. 15; Gaz. vol. 206; p. 613.
- Steele, John A., Cedarville, Ohio. Bunsen burner. No. 1,097,825; May 26; Gaz. vol. 202; p. 1035.
- Steele, John E., Terra Bella, Cal. Wheeled scraper. No. 1,107,460; Aug. 18; Gaz. vol. 205; p. 748.
- Steele, John F. (See Mather and Steele.)
- Steele, John W. (See Hanson and Steele.)
- Steele, Michael, *et al.* (See Downham, Walter S., assignor.)
- Steele, Oliver C., Spiceland, Ind. Folding shade. No. 1,084,761; Jan. 20; Gaz. vol. 198; p. 559.
- Steele, Robert J., Jenkintown, Pa. Railway-switch. No. 1,096,469; May 12; Gaz. vol. 202; p. 477.
- Steele, Walter L. (See Sutton and Steele.)
- Steelman, Charles G., and W. H. Fenton, Vineland, N. J. Portable causeway. No. 1,098,595; June 2; Gaz. vol. 203; p. 83.
- Steelman, George W., E. H. Sawyer, Vineland, N. J., and M. Fels, Philadelphia, Pa., assignors to Nipper Machine Company, Norma, N. J. Canning-machine. No. 1,100,333; June 16; Gaz. vol. 203; p. 755.
- Steelman, Joseph W., Philadelphia, Pa. Fuse-cartridge. No. 1,114,654; Oct. 20; Gaz. vol. 207; p. 867.
- Steen, Halfdan A., Milwaukee, Wis., assignor to Westinghouse Electric and Manufacturing Company. Circuit-controller. No. 1,083,950; Jan. 13; Gaz. vol. 198; p. 256.
- Steen, Halfdan A., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Electric control system. No. 1,100,407; June 16; Gaz. vol. 203; p. 781.
- Steen, Halfdan A., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Protective device. No. 1,110,151; Sept. 8; Gaz. vol. 206; p. 502.
- Steen, Halfdan A., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Electromagnetically-operated thermostat. No. 1,110,152; Sept. 8; Gaz. vol. 206; p. 502.
- Steen, Halfdan A., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Thermostat. No. 1,110,153; Sept. 8; Gaz. vol. 206; p. 503.
- Steen, Samuel P., Philadelphia, Pa. Automobile-top and curtains therefor. No. 1,119,125; Dec. 1; Gaz. vol. 209; p. 78.
- Steere, Frederick W. (See Shelton, Steere, and Power.)
- Steever, John, Plymouth, Pa. Portable elevator. No. 1,110,239; Sept. 8; Gaz. vol. 206; p. 532.
- Steeves, Wetmore W., *et al.* (See Farnum, William C., assignor.)
- Stefater, Frank W., assignor to Jas. Clark, Jr., Electric Co., Louisville, Ky. Squirrel-cage rotor. No. 1,089,597; Mar. 10; Gaz. vol. 200; p. 365.
- Steffan, George C. (See Lindberg and Steffan.)
- Steffel, Richard, Orviston, Pa. Washboiler. No. 1,120,167; Dec. 8; Gaz. vol. 209; p. 472.
- Steffens-Amberg Co., The. (See Fox, Thomas A., assignor.)
- Steffens, Fred, St. Joseph, Mo. Car-truck. No. 1,089,163; Mar. 3; Gaz. vol. 200; p. 171.
- Steffes, Anton J., Chilton, Wis. Lightning-rod brace. No. 1,122,434; Dec. 29; Gaz. vol. 209; p. 1386.
- Stegall, Sidney, Pelzer, S. C. Plow. No. 1,119,199; Dec. 1; Gaz. vol. 209; p. 105.
- Stegeman, Henry J., assignor of one-half to W. J. Perry, Bridgeport, Conn. Tractor. No. 1,087,332; Feb. 17; Gaz. vol. 199; p. 706.
- Steger, Charles C., Dayton, Ohio. Arch-supporter. No. 1,085,507; Jan. 27; Gaz. vol. 198; p. 848.
- Steger, Theodore C. (See Loney and Steger.)
- Stegmaier, Philip M., assignor to Plymouth Cordage Company, Plymouth, Mass. Calipers for rope and the like. No. 1,105,217; July 28; Gaz. vol. 204; p. 1175.
- Stehm, Frank R., assignor to The Enamel Concrete and Machinery Company, Des Moines, Iowa. Artificial-stone machine. No. 1,100,452; June 16; Gaz. vol. 203; p. 796.
- Stehm, Frank R., assignor to The Enamel Concrete and Machinery Company, Des Moines, Iowa. Apparatus for making artificial stone. No. 1,101,578; June 30; Gaz. vol. 203; p. 1289.

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- Steidel, Hugo L., Arlington, N. J. Stop attachment for window-shades. No. 1,089,731; Mar. 10; Gaz. vol. 200; p. 410.
- Steigerwald, Henry J., Auburn, N. Y. Antislipping pulley-belt. No. 1,098,990; June 2; Gaz. vol. 203; p. 214.
- Steigerwald, Henry J., Auburn, N. Y. Antiskidding device for vehicle-wheels. No. 1,102,103; June 30; Gaz. vol. 203; p. 1473.
- Stein, Alva C., Worthington, Ohio. Lifting-jack. No. 1,099,405; June 9; Gaz. vol. 203; p. 399.
- Stein, August, St. Louis, Mo. Folding umbrella. No. 1,096,647; May 12; Gaz. vol. 202; p. 537.
- Stein, Charles, Fall Creek, Wis. Ironing-board. No. 1,110,971; Sept. 15; Gaz. vol. 206; p. 829.
- Stein, Edward, assignor to The Higgin Manufacturing Company, Newport, Ky. Window-screen. No. 1,104,151; July 21; Gaz. vol. 204; p. 757.
- Stein, Meyer, Springfield, Ill. Acetylene-lamp. No. 1,106,062; Aug. 4; Gaz. vol. 205; p. 167.
- Stein, Rudolf, assignor to Micheli G. m. b. H., Frankfurt-on-the-Main, Germany. Machine for affixing and canceling postage-stamps. No. 1,100,790; June 23; Gaz. vol. 203; p. 964.
- Steinbach, William, New York, N. Y. Propeller. No. 1,117,103; Nov. 10; Gaz. vol. 208; p. 609.
- Steinbeck, Grant, Warren, Ohio. Car-seat. No. 1,096,518; May 12; Gaz. vol. 202; p. 494.
- Steinbecker, Karl, Charlottenburg, Germany, assignor to General Electric Company. Metallic-diaphragm pump. No. 1,085,306; Jan. 27; Gaz. vol. 198; p. 782.
- Steinbecker, Karl, Charlottenburg, Germany, assignor to General Electric Company. Internal-combustion engine. No. 1,086,791; Feb. 10; Gaz. vol. 199; p. 469.
- Steinbecker, Karl, Charlottenburg, Germany, assignor to General Electric Company. Internal-combustion engine. No. 1,086,792; Feb. 10; Gaz. vol. 199; p. 470.
- Steinbecker, Karl, Charlottenburg, Germany, assignor to General Electric Company. Internal-combustion engine. No. 1,086,793; Feb. 10; Gaz. vol. 199; p. 470.
- Steinbecker, Karl, Charlottenburg, Germany, assignor to General Electric Company. Pump. No. 1,119,657; Dec. 1; Gaz. vol. 209; p. 260.
- Steinbecker, Karl, Charlottenburg, Germany, assignor to General Electric Company. Engine. No. 1,119,658; Dec. 1; Gaz. vol. 209; p. 261.
- Steinberg, Arnold M. (See Alexander and Steinberg.)
- Steinberg, Harry, Huntingdon, Pa. Safety-valve. No. 1,091,980; Mar. 31; Gaz. vol. 200; p. 1298.
- Steinberg, Morris, Duluth, Minn. Garment-clasp. No. 1,110,154; Sept. 8; Gaz. vol. 206; p. 503.
- Steinberger, Louis, Brooklyn, N. Y. Case and cap for telephone-receivers. No. 1,093,951; Apr. 21; Gaz. vol. 201; p. 697.
- Steinberger, Louis, Brooklyn, N. Y. Disk strain-insulator. No. 1,118,694; Nov. 24; Gaz. vol. 208; p. 1246.
- Steinberger, Louis, Brooklyn, N. Y. Game-ball. No. 1,120,757; Dec. 15; Gaz. vol. 209; p. 730.
- Steinberger, Louis, New York, N. Y. Flexible electric conductor. No. 1,101,579; June 30; Gaz. vol. 203; p. 1289.
- Steinberger, Louis, New York, N. Y. High-potential insulator. No. 1,122,326; Dec. 29; Gaz. vol. 209; p. 1350.
- Steindl, John B., Chicago, Ill. Expanding reamer. No. 1,086,867; Feb. 10; Gaz. vol. 199; p. 497.
- Steindorff, Adolf. (See Schmidt and Steindorff.)
- Steine, Jacob, Montrose, Pa. Broom attachment. No. 1,084,974; Jan. 20; Gaz. vol. 198; p. 630.
- Steiner, Albin, Sonneburg, Germany, assignor to Geo. Borgfeldt & Co. Crying doll. No. 1,085,640; Feb. 3; Gaz. vol. 199; p. 21.
- Steiner, Albin, O. Liebermann, and C. Scharfenberg, Sonneberg, Germany, assignors to L. Rees, London, England. Sounding figure toy. No. 1,098,303; May 26; Gaz. vol. 202; p. 1203.
- Steiner, Arthur L., Vancouver, British Columbia, Canada, assignor to H. Hoisch, New York, N. Y. Telescopically-collapsible box. No. 1,119,467; Dec. 1; Gaz. vol. 209; p. 195.
- Steiner, Barnette T. and H. B. White, assignors to The Gilliam Manufacturing Company, Canton, Ohio. Steering device for motor-vehicles. No. 1,114,817; Oct. 27; Gaz. vol. 207; p. 977.
- Steiner, Charles R., Richmond, Va. Sectional sea-going vessel. No. 1,084,975; Jan. 20; Gaz. vol. 198; p. 630.
- Steiner, George A., and W. F. Tuckett, Salt Lake City, Utah. Device for inserting apron-strings. No. 1,119,659; Dec. 1; Gaz. vol. 209; p. 261.
- Steiner, Joe. (See Cochran, Edward A., assignor.)
- Steiner Manufacturing Company. (See Libke, Robert H., assignor.)
- Steiner, Sigmund, assignor of one-half to W. Krohn, Boryslaw, Austria-Hungary. Apparatus for raising sunken ships. No. 1,106,983; Aug. 11; Gaz. vol. 205; p. 532.
- Steinert, Alexander. (See Norris, George F., assignor.)
- Steingruber, George, Hazlehurst, Miss. Table. No. 1,084,499; Jan. 13; Gaz. vol. 198; p. 438.
- Steinhardt & Bro., A. (See Nickless, William A., assignor.)
- Steinhart, Eugen. (See Völler and Steinhart.)
- Steinhart, Eugen, Dusseldorf, Germany. Spring-coupling. No. 1,119,767; Dec. 1; Gaz. vol. 209; p. 296.
- Steinhauer, Frederick, Madison, Wis. Boat-fastening means. No. 1,094,610; Apr. 28; Gaz. vol. 201; p. 979.
- Steinhauser, Alfred, Philadelphia, Pa. Studding-fastener. No. 1,089,878; Mar. 10; Gaz. vol. 200; p. 460.
- Steinhauser, Burton. (See Griffey and Steinhauser.)
- Steinhilber, Adolf A., Rock Island, assignor to Artista Piano Player Company, Milan, Ill. Pneumatic action. No. 1,107,554; Aug. 18; Gaz. vol. 205; p. 780.
- Steinhorst, George. (See Johnson, Frederick B., assignor.)
- Steinkoenig, Frederick, Cincinnati, Ohio. Suction-sweeper. No. 1,114,928; Oct. 27; Gaz. vol. 207; p. 1018.
- Steinkopf, Wilhelm, Karlsruhe, Germany. Producing sulfur derivatives of hydrocarbons. No. 1,085,708; Feb. 3; Gaz. vol. 199; p. 45.
- Steinmann, Fritz, Niederschöneweide, near Berlin, Germany. Variable-pressure intensifier. No. 1,084,715; Jan. 20; Gaz. vol. 198; p. 544.
- Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Producing light. No. 1,088,740; Mar. 3; Gaz. vol. 200; p. 24.
- Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Electric lamp. No. 1,091,715; Mar. 31; Gaz. vol. 200; p. 1205.
- Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Electric lamp. No. 1,092,083; Mar. 31; Gaz. vol. 200; p. 1331.
- Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Alternating-current-rectifying apparatus. No. 1,095,170; Apr. 28; Gaz. vol. 201; p. 1176.
- Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Vapor-rectifier system. No. 1,097,062; May 19; Gaz. vol. 202; p. 725.
- Steinmetz, John H., Chicago, Ill. Adjustable stool. No. 1,114,062; Oct. 20; Gaz. vol. 207; p. 658.
- Steinmetz, John H., Chicago, Ill. Adjustable stool. No. 1,116,947; Nov. 10; Gaz. vol. 208; p. 555.
- Steinmetz, Joseph A. (See Veitch, Thomas, assignor.)
- Steinmetz, Joseph A., Philadelphia, Pa. Muffler. No. 1,087,468; Feb. 17; Gaz. vol. 199; p. 755.
- Steinmetz, Joseph A., Philadelphia, Pa. Means for destroying air-craft. No. 1,092,760; Apr. 7; Gaz. vol. 201; p. 218.
- Steinmetz, Joseph A., Philadelphia, Pa. Bomb-shield for battleships. No. 1,101,580; June 30; Gaz. vol. 203; p. 1290.
- Steinmetz, Joseph A., Philadelphia, Pa. Fire-extinguisher apparatus. No. 1,102,812; July 7; Gaz. vol. 204; p. 206.
- Steinmetz, Rudolph. (See Groh, Robert C., assignor.)
- Steinmeyer, John W., assignor to American Car and Foundry Company, St. Louis, Mo. Grain-hopper. No. 1,109,601; Sept. 1; Gaz. vol. 206; p. 261.
- Steinmeyer, John W., assignor to American Car and Foundry Company, St. Louis, Mo. Hopper-door mechanism. No. 1,109,602; Sept. 1; Gaz. vol. 206; p. 261.
- Steinschneider, Leo. (See Porges, Philipp, assignor.)
- Steinthal, Martin, New York, N. Y. Portfolio for displaying samples. No. 1,085,950; Feb. 3; Gaz. vol. 199; p. 133.
- Stelfox, James C., Westminster, London, England, assignor to A. G. Glasgow, Richmond, Va. Means for delivering oil and other liquids. No. 1,090,800; Mar. 17; Gaz. vol. 200; p. 818.
- Stellers, W. A. (See Andrews, William E., assignor.)
- Stellhorn, John C., Red Bud, Ill. Receptacle-cover and locking means therefor. No. 1,122,435; Dec. 29; Gaz. vol. 209; p. 1386.
- Stelling, Henry B., Augusta, Ga. Trap. No. 1,117,104; Nov. 10; Gaz. vol. 208; p. 609.
- Stelzer, John B., Miami, Fla. Stern-bearing. No. 1,098,187; May 26; Gaz. vol. 202; p. 1161.
- Stenborg, Andrew F. V., Hibbing, Minn. Fire-escape. No. 1,103,849; July 14; Gaz. vol. 204; p. 612.
- Stender, William, Milwaukee, Wis. Bottle-handling apparatus. No. 1,117,272; Nov. 17; Gaz. vol. 208; p. 708.
- Stene, Robert M., Danby, and S. D. McFadden, Barstow, Cal. Burner. No. 1,092,785; Apr. 7; Gaz. vol. 201; p. 227.
- Stenger, Grace C. (See Frederickson, Clayton E., assignor.)
- Stenger, Peter, assignor to Deister Concentrator Company, Fort Wayne, Ind. Ore-concentrator. No. 1,105,109; July 28; Gaz. vol. 204; p. 1137.
- Stenger, William H. (See Frederickson, Clayton E., assignor.)
- Stenman, Elis F., Worcester, assignor, by mesne assignments, to Independent Button Fastener Machine Company, (Inc.) Boston, Mass. Button-setting machine. No. 1,092,604; Apr. 7; Gaz. vol. 201; p. 166.
- Stenman, Uno A., Norfolk, Conn. Funnel. No. 1,112,488; Oct. 6; Gaz. vol. 207; p. 25.
- Stenotype Company, The. (See Sargent and Karlberg, assignors.)
- Stenquist, August, Drayton, N. D. Steering device for tractors. No. 1,083,417; Jan. 6; Gaz. vol. 198; p. 54.
- Stensland, Albert, Worthing, S. D. Wrench. No. 1,102,449; July 7; Gaz. vol. 204; p. 80.
- Stensland, Anna, Brooklyn, N. Y. Bust supporter and reducer. No. 1,115,034; Oct. 27; Gaz. vol. 207; p. 1055.
- Stensrud, Kristian, *et al.* (See Hansen, Hans C., assignor.)

Alphabetical list of patentees—Continued.

- Stenstrom, Edwin. (See Schoengarth and Stenstrom.)
- Stepanian, Stephen, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Coal-washer. No. 1,084,909; Jan. 20; Gaz. vol. 198; p. 608.
- Stephens-Adamson Mfg. Co. (See Kendall, Myron A., assignor.)
- Stephens, Annie W., New York, N. Y. Device for improving eyesight. No. 1,117,718; Nov. 17; Gaz. vol. 208; p. 866.
- Stephens, Charles, Barton Heights, assignor, by mesne assignments, to A. H. Calligan, Richmond, Va. Signaling system. No. 1,105,860; Aug. 4; Gaz. vol. 205; p. 96.
- Stephens, Charles R., assignor to The Moline Plow Company, Moline, Ill. Plow. No. 1,104,569; July 21; Gaz. vol. 204; p. 904.
- Stephens, Edward U., Battle Creek, Mich. Preparing leguminous products for edible purposes. No. 1,088,741; Mar. 3; Gaz. vol. 200; p. 24.
- Stephens, Ernest F., Hawesville, Ky. Subsoil-plow. No. 1,103,446; July 14; Gaz. vol. 204; p. 471.
- Stephens, George E., Knoxville, Iowa. Whiffletree-hook. No. 1,102,450; July 7; Gaz. vol. 204; p. 80.
- Stephens, George F. (See Mesker, Edwards, Smith, Stephens, and Seele.)
- Stephens, Ialo D., Roseburg, Oreg. Motion-picture-film rewind. No. 1,097,686; May 26; Gaz. vol. 202; p. 986.
- Stephens, John I., Chaffee, Mo. Cattle-guard. No. 1,089,509; Mar. 10; Gaz. vol. 200; p. 334.
- Stephens, Roderick, New York, N. Y. Vehicle-body. No. 1,093,952; Apr. 21; Gaz. vol. 201; p. 697.
- Stephens, Roscoe W., Maricopa, Cal. Strain-indicator support for drilling-rigs. No. 1,091,599; Mar. 31; Gaz. vol. 200; p. 1165.
- Stephens, Roscoe W., Pasadena, Cal. Drilling-rig. No. 1,106,900; Aug. 11; Gaz. vol. 205; p. 503.
- Stephens, William C., Carn Brea, England. Hose coupling or union. No. 1,092,673; Apr. 7; Gaz. vol. 201; p. 189.
- Stephens, Winston, New Bedford, Mass. Numerical puzzle. No. 1,090,245; Mar. 17; Gaz. vol. 200; p. 629.
- Stephenson, Charles G., Denver, Colo. Adjustable means for regulating the tensions of the spring-frames for motor-cycles. No. 1,101,764; June 30; Gaz. vol. 203; p. 1351.
- Stephenson, Clinton B. (See Oltsch, George J., assignor.)
- Stephenson, David C., Toledo, Ohio, assignor to The National Malleable Castings Company. Track-anchor. No. 1,100,926; June 23; Gaz. vol. 203; p. 1013.
- Stephenson, George W. (See French and Stephenson.)
- Stephenson, John W., Toledo, assignor to The National Malleable Castings Company, Cleveland, Ohio. Track-fastener. No. 1,085,880; Feb. 3; Gaz. vol. 199; p. 107.
- Stephenson, John W., Toledo, assignor to The National Malleable Castings Company, Cleveland, Ohio. Track-fastener. No. 1,085,881; Feb. 3; Gaz. vol. 199; p. 107.
- Stephenson, John W., Toledo, assignor to The National Malleable Castings Company, Cleveland, Ohio. Track-fastener. No. 1,085,882; Feb. 3; Gaz. vol. 199; p. 107.
- Stephenson, John W., Toledo, assignor to The National Malleable Castings Company, Cleveland, Ohio. Railway-track construction. No. 1,093,153; Apr. 14; Gaz. vol. 201; p. 389.
- Stephenson, John W., Toledo, assignor to The National Malleable Castings Company, Cleveland, Ohio. Anti-rail-creeper. No. 1,093,154; Apr. 14; Gaz. vol. 201; p. 389.
- Stephenson, John W., Toledo, Ohio, assignor to The National Malleable Castings Company. Rail-joint. No. 1,093,155; Apr. 14; Gaz. vol. 201; p. 389.
- Stephenson, John W., Toledo, Ohio, assignor to The National Malleable Castings Company. Guard-rail tie-plate. No. 1,093,156; Apr. 14; Gaz. vol. 201; p. 390.
- Stephenson, John W., Toledo, Ohio, assignor to The National Malleable Castings Company. Rail-support. No. 1,093,157; Apr. 14; Gaz. vol. 201; p. 390.
- Stephenson, John W., Toledo, Ohio, assignor to The National Malleable Castings Company. Rail-joint. No. 1,093,158; Apr. 14; Gaz. vol. 201; p. 390.
- Stephenson, John W., Toledo, assignor to The National Malleable Castings Company, Cleveland, Ohio. Railway-track construction. No. 1,122,043; Dec. 22; Gaz. vol. 209; p. 1216.
- Stephenson, John W., Toledo, assignor to The National Malleable Castings Company, Cleveland, Ohio. Locking mechanism. No. 1,122,044; Dec. 22; Gaz. vol. 209; p. 1217.
- Stephenson, Julius H. J. A., Hamburg, Germany. Localizing faults in cables and circuits. No. 1,084,910; Jan. 20; Gaz. vol. 198; p. 608.
- Stephenson, Landon H., Richmond, Va. Safety-razor. No. 1,116,750; Nov. 10; Gaz. vol. 208; p. 485.
- Stephenson, Milton E., Boston, Mass. Arch-support. No. 1,113,380; Oct. 13; Gaz. vol. 207; p. 381.
- Stephenson, William C., assignor of one-half to J. M. Daughtry, Rocky Mount, N. C. Tool-holder. No. 1,104,014; July 21; Gaz. vol. 204; p. 710.
- Steppacher, Oscar M., Philadelphia, Pa. Starch heater or table. No. 1,094,175; Apr. 21; Gaz. vol. 201; p. 773.
- Steppacher, Walter M., Philadelphia, Pa. Tab for neckbands for shirts. No. 1,122,327; Dec. 29; Gaz. vol. 209; p. 1351.
- Sterilization Company. (See Travis and Ault, assignors.)
- Sterkel, Otto, Ravensburg, Germany. Air-cooling device. No. 1,117,922; Nov. 17; Gaz. vol. 208; p. 935.
- Sterling, Charles P., Detroit, Mich. Ticket-holder. No. 1,099,214; June 9; Gaz. vol. 203; p. 332.
- Sterling Machinery Company. (See Wege, Ernest F., assignor.)
- Sterling Valve Company, The. (See Beck, John L., assignor.)
- Sterling, Warner S., Westwood, N. J. Tree treatment. No. 1,094,490; Apr. 28; Gaz. vol. 201; p. 938.
- Sterling Wheelbarrow Company. (See Mueller, Edward C., assignor.)
- Sterling Wheelbarrow Company. (See Smith, Irving R., assignor.)
- Stern, Anna H., assignor to Stern Specialty Company, New York, N. Y. Diaper-cover. No. 1,100,450; June 16; Gaz. vol. 203; p. 795.
- Stern, Emma, New York, N. Y. Dress. No. 1,098,596; June 2; Gaz. vol. 203; p. 83.
- Stern, Ernst, Hanover, assignor to Deutsche Gasglühlicht Aktiengesellschaft (Auergesellschaft), Berlin, Germany. Weighted silk and making it. No. 1,095,684; May 5; Gaz. vol. 202; p. 175.
- Stern, Georg. (See Bosch, Mittasch, Wolf, and Stern.)
- Stern, George, Berlin, Germany, assignor to General Electric Company. Transformer. No. 1,114,548; Oct. 20; Gaz. vol. 207; p. 832.
- Stern, Louis, Philadelphia, Pa. Automatic controller for electric circuits. No. 1,096,470; May 12; Gaz. vol. 202; p. 477.
- Stern, Milton C. (See Nickol and Stern.)
- Stern, Milton C., assignor to The Egly Register Company, Dayton, Ohio. Roll-paper attachment for type-writers. No. 1,101,581; June 30; Gaz. vol. 203; p. 1290.
- Stern, Milton C., assignor to The Egly Register Company, Dayton, Ohio. Carbon-paper protector. No. 1,110,357; Sept. 15; Gaz. vol. 206; p. 613.
- Stern, Milton C., and A. C. V. Malm, assignors to The Egly Register Company, Dayton, Ohio. Tension device for autographic registers. No. 1,110,657; Sept. 15; Gaz. vol. 206; p. 720.
- Stern, Philip K., New York, N. Y. Salt-cartridge. No. 1,087,469; Feb. 17; Gaz. vol. 199; p. 755.
- Stern, Philip K., assignor to Frank M. Randall Mfg. Corporation, New York, N. Y. Expansion cotter-pin. No. 1,097,371; May 19; Gaz. vol. 202; p. 833.
- Stern Specialty Company. (See Stern, Anna H., assignor.)
- Sternau & Company, S. (See Nelson, Charles, assignor.)
- Sternau & Company, S. (See Strobl, Alexander, assignor.)
- Sternberg, Ferdinand, assignor of one-half to J. Folcz, New York, N. Y. Paint composition. No. 1,110,358; Sept. 15; Gaz. vol. 206; p. 614.
- Sternberg, Moses J., New York, N. Y. Window-lock. No. 1,103,629; July 14; Gaz. vol. 204; p. 537.
- Sternberger, Samuel. (See Houghton, Genevieve, assignor.)
- Sterner, Alfred H., Philadelphia, Pa. Folding square. No. 1,114,655; Oct. 20; Gaz. vol. 207; p. 867.
- Sterner, Alfred H., Philadelphia, Pa. Folding square. No. 1,114,656; Oct. 20; Gaz. vol. 207; p. 867.
- Sterner, Amos J. (See Melander, August W., assignor.)
- Sternick, Max. (See Armstrong, Joseph F., assignor.)
- Stertzbach, Harry W. (See Johnson and Stertzbach.)
- Sterzing, Albert A. E., New York, N. Y. Transom-pivot. No. 1,116,511; Nov. 10; Gaz. vol. 208; p. 399.
- Stetler, Amos J., West Point, Pa. Vehicle-brake. No. 1,084,976; Jan. 20; Gaz. vol. 198; p. 630.
- Stettiner Chamotte-Fabrik Aktien-Gesellschaft vorm. Didier. (See Gohmann, Arthur, assignor.)
- Stettiner Chamotte-Fabrik Aktien-Gesellschaft Vormals Didier. (See Richter, Georg, assignor.)
- Steuart, Wilmot N., Brookfield, Ohio. Railway-tie. No. 1,088,940; Mar. 3; Gaz. vol. 200; p. 92.
- Steuernagel, Hugo V., Hartford, Conn. Swinging-structure mount. No. 1,115,345; Oct. 27; Gaz. vol. 207; p. 1162.
- Stevens, Alfred L., Chicago, Ill. Means for supporting railway-rails. No. 1,106,421; Aug. 11; Gaz. vol. 205; p. 332.
- Stevens, Alfred L., Chicago, Ill. Locomotive attachment. No. 1,106,422; Aug. 11; Gaz. vol. 205; p. 333.
- Stevens, Alfred L., Chicago, Ill. Railway cross-tie. No. 1,106,423; Aug. 11; Gaz. vol. 205; p. 333.
- Stevens, Archie H., Hornell, N. Y. Tool-holder. No. 1,106,745; Aug. 11; Gaz. vol. 205; p. 449.
- Stevens, Augustus R., Tampa, Fla., assignor of one-half to J. S. Long. Box-press. No. 1,095,940; May 5; Gaz. vol. 202; p. 259.
- Stevens, Augustus R., Tampa, Fla., assignor of one-half to J. S. Long. Fruit-sizer. No. 1,095,941; May 5; Gaz. vol. 202; p. 260.
- Stevens, Augustus R., Tampa, Fla., assignor of one-half to J. S. Long. Fruit-washing machine. No. 1,095,942; May 5; Gaz. vol. 202; p. 260.

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- Stevens, Burt D., assignor to The Berlin Machine Works, Beloit, Wis. Sawmill-carriage. No. 1,093,215; Apr. 14; Gaz. vol. 201; p. 409.
- Stevens, Burt D., Riverside, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Suction cleaning mechanism for printing-presses. No. 1,096,471; May 12; Gaz. vol. 202; p. 478.
- Stevens, Burt D., Riverside, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Jogger for printing-presses. No. 1,107,859; Aug. 18; Gaz. vol. 205; p. 889.
- Stevens, Burt D., Riverside, and M. A. Droitcour, assignors to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Sheet-delivery mechanism for printing-presses. No. 1,112,395; Sept. 29; Gaz. vol. 206; p. 1402.
- Stevens, Charles A., Norristown, Pa. Coin-controlled height-indicating machine. No. 1,095,040; Apr. 28; Gaz. vol. 201; p. 1130.
- Stevens, Charles O., Oakland, Cal. Game-board. No. 1,095,433; May 5; Gaz. vol. 202; p. 89.
- Stevens, Chester N., Kenilworth, Ill. Street construction. No. 1,116,857; Nov. 10; Gaz. vol. 208; p. 524.
- Stevens, Chester N., Kenilworth, assignor to Barrett Manufacturing Company, Chicago, Ill. Hard commercial pitch and preparing the same. No. 1,088,635; Feb. 24; Gaz. vol. 199; p. 1197.
- Stevens, Clement H., Las Palmas, Grand Canary, Canary Islands, assignor of one-half to S. Hunter, Wallsend-on-Tyne, England. Pneumatically-operated percussive hand-tool. No. 1,110,155; Sept. 8; Gaz. vol. 206; p. 503.
- Stevens, Clectic C., assignor of one-half to I. B. Frost, Randolph, Vt. Receptacle attachment for vehicles. No. 1,113,845; Oct. 13; Gaz. vol. 207; p. 544.
- Stevens, Clifton D., Muskegon, Mich. Fuel-feeding apparatus. No. 1,087,333; Feb. 17; Gaz. vol. 199; p. 706.
- Stevens and Company. (See Stevens, Frederick A., assignor.)
- Stevens, Drury E., Pleasant Hill, La. Hand canceling device. No. 1,109,480; Sept. 1; Gaz. vol. 206; p. 219.
- Stevens-Duryea Company. (See Cowles, Thomas L., assignor.)
- Stevens-Duryea Company. See Duryea, James F., assignor.)
- Stevens-Duryea Company. (See Remington, William M., assignor.)
- Stevens, Elbridge B., *et al.* (See Dow, Floyd, assignor.)
- Stevens, Enoch P., Chicago, Ill. Kiln. No. 1,111,871; Sept. 29; Gaz. vol. 206; p. 1223.
- Stevens, Enoch P., assignor to Locomotive Arch Brick Company, Chicago, Ill. Locomotive-arch construction. No. 1,090,891; Mar. 24; Gaz. vol. 200; p. 881.
- Stevens, Enoch P., assignor to Locomotive Arch Brick Company, Chicago, Ill. Boiler-arch construction. No. 1,103,447; July 14; Gaz. vol. 204; p. 471.
- Stevens, Enoch P., assignor to Locomotive Arch Brick Company, Chicago, Ill. Boiler-arch construction. No. 1,103,448; July 14; Gaz. vol. 204; p. 471.
- Stevens, Ernest A., Newton Falls, Ohio. Line-level. No. 1,116,641; Nov. 10; Gaz. vol. 208; p. 448.
- Stevens, Ernest J., Philadelphia, Pa. Inhaler. No. 1,105,934; Aug. 4; Gaz. vol. 205; p. 122.
- Stevens, Frank, *et al.* (See Farmer, William, assignor.)
- Stevens, Frederick A., Providence, R. I. Blank for eyeglass and spectacle bridges. No. 1,097,063; May 19; Gaz. vol. 202; p. 725.
- Stevens, Frederick A., Providence, R. I., assignor to Stevens and Company, Incorporated. Lens-mounting. No. 1,117,273; Nov. 17; Gaz. vol. 208; p. 709.
- Stevens, Frederick C. (See Clement, Edward E., assignor.)
- Stevens, Frederick C. (See Land and Fisher, assignors.)
- Stevens, Frederick C. (See Wright, Joseph L., assignor.)
- Stevens, George A., Elgin, Ill. Corn saving and cleaning device. No. 1,112,232; Sept. 29; Gaz. vol. 206; p. 1345.
- Stevens, Harry M., Schenectady, N. Y., assignor to General Electric Company. Motor-operated switch. No. 1,099,625; June 9; Gaz. vol. 203; p. 474.
- Stevens, Harry M., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic actuating mechanism. No. 1,119,660; Dec. 1; Gaz. vol. 209; p. 261.
- Stevens, Harry O., Cascade, Wis. Dirigible headlight. No. 1,116,151; Nov. 3; Gaz. vol. 208; p. 234.
- Stevens, Herbert L., Glen Ridge, N. J. Hat shaping and forming machine. No. 1,103,096; July 14; Gaz. vol. 204; p. 350.
- Stevens, J. O. (See Ludlum, William, Jr., assignor.)
- Stevens, James H., Boston, Mass. Salvarsan-needle. No. 1,087,845; Feb. 17; Gaz. vol. 199; p. 884.
- Stevens, John, Launceston, Tasmania, Australia. Fire-alarm. No. 1,102,451; July 7; Gaz. vol. 204; p. 80.
- Stevens, John, Galion, Ohio. Vault-door lock. No. 1,122,550; Dec. 29; Gaz. vol. 209; p. 1426.
- Stevens, John B., Macon, Ga. Brake attachment for railway-cars. No. 1,108,526; Aug. 25; Gaz. vol. 205; p. 1168.
- Stevens, John C., Malden, Mass. Holder for calendar-pads. No. 1,092,871; Apr. 14; Gaz. vol. 201; p. 292.
- Stevens, John E., Kewanee, Ill. Gasolene-motor. No. 1,084,977; Jan. 20; Gaz. vol. 198; p. 631.
- Stevens, Josiah N., Pittsburgh, Pa. Pivot-straightening device. No. 1,094,176; Apr. 21; Gaz. vol. 201; p. 773.
- Stevens, Josiah P., Atlanta, Ga. Safety-razor. No. 1,104,570; July 21; Gaz. vol. 204; p. 905.
- Stevens, Lawrence M., St. Louis, Mo. Non-refillable bottle. No. 1,096,764; May 12; Gaz. vol. 202; p. 576.
- Stevens, Leslie, Glen Ridge, N. J. Sectional forming-block. No. 1,109,713; Sept. 8; Gaz. vol. 206; p. 344.
- Stevens, Louise, Rainbow Lake, N. Y. Fruit-picker. No. 1,094,263; Apr. 21; Gaz. vol. 201; p. 801.
- Stevens, Merton P., East Orange, N. J. Gas-burner valve. No. 1,095,295; May 5; Gaz. vol. 202; p. 42.
- Stevens, Merton P., East Orange, N. J. Lighting-fixture. No. 1,095,296; May 5; Gaz. vol. 202; p. 42.
- Stevens, Oscar E., New York, N. Y., assignor to General Railway Signal Company. Automatic block-signaling system for electric railways. No. 1,094,103; Apr. 21; Gaz. vol. 201; p. 748.
- Stevens, Oscar E., New York, N. Y., assignor to General Railway Signal Company. Automatic block-signaling system for electric railways. No. 1,094,104; Apr. 21; Gaz. vol. 201; p. 748.
- Stevens, Ralph P., Stanford University, Cal. Ticket-punch. No. 1,112,573; Oct. 6; Gaz. vol. 207; p. 58.
- Stevens, Richard H., Munhall, Pa., assignor of one-half to P. T. Berg, Stockholm, Sweden. Dumping-car. No. 1,118,378; Nov. 24; Gaz. vol. 208; p. 1135.
- Stevens, Robert C. (See Skinner and Stevens.)
- Stevens, Robert C., Erie, Pa. Heater. No. 1,102,452; July 7; Gaz. vol. 204; p. 80.
- Stevens, Robert C., assignor to Skinner Engine Company, Erie, Pa. Engine valve-gear. (Reissue.) No. 13,694; Mar. 3; Gaz. vol. 200; p. 242.
- Stevens, Robert C., assignor to Skinner Engine Company, Erie, Pa. Steam-superheater. No. 1,102,361; July 7; Gaz. vol. 204; p. 48.
- Stevens, Robert C., assignor to Skinner Engine Company, Erie, Pa. Apparatus for controlling steam-superheaters. No. 1,106,337; Aug. 4; Gaz. vol. 205; p. 258.
- Stevens, Robert C., assignor to Skinner Engine Company, Erie, Pa. Steam-engine. No. 1,106,338; Aug. 4; Gaz. vol. 205; p. 259.
- Stevens, Robert C., assignor to The Skinner Engine Company, Erie, Pa. Puppet-valve. No. 1,112,233; Sept. 29; Gaz. vol. 206; p. 1345.
- Stevens, Robert C., assignor to Skinner Engine Company, Erie, Pa. Steam-engine. No. 1,112,489; Oct. 6; Gaz. vol. 207; p. 26.
- Stevens, Robert C., assignor to Skinner Engine Company, Erie, Pa. Steam-engine. No. 1,112,490; Oct. 6; Gaz. vol. 207; p. 26.
- Stevens, Robert L. (See King and Stevens.)
- Stevens, Samuel J., assignor of one-half to A. R. Gilmore, St. Louis, Mo. Water-closet-flushing mechanism. No. 1,103,550; July 14; Gaz. vol. 204; p. 506.
- Stevens, Sylvester G. (See Wieland, George A., assignor.)
- Stevens, Sylvester G., assignor of one-half to F. C. Bowman, Duluth, Minn. Beehive. No. 1,097,597; May 19; Gaz. vol. 202; p. 909.
- Stevens, Thomas A., Caney, Kans. Tally-card. No. 1,092,184; Apr. 7; Gaz. vol. 201; p. 21.
- Stevens, William B., Trappe, Md. Scalding-machine. No. 1,104,571; July 21; Gaz. vol. 204; p. 905.
- Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire-bead-making machine. No. 1,100,451; June 16; Gaz. vol. 203; p. 796.
- Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making straight-side tires. No. 1,101,103; June 23; Gaz. vol. 203; p. 1074.
- Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Portable buffer. No. 1,112,865; Oct. 6; Gaz. vol. 207; p. 159.
- Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making tire-beads. No. 1,122,813; Dec. 29; Gaz. vol. 209; p. 1520.
- Stevens, William N., New York, N. Y. Incased-concrete piling. No. 1,087,334; Feb. 17; Gaz. vol. 199; p. 706.
- Stevens, William S., Magdalena, N. Mex., assignor, by mesne assignments, to The Ozark Smelting and Mining Company, Cleveland, Ohio. Concentrating ores. No. 1,116,642; Nov. 10; Gaz. vol. 208; p. 449.
- Stevens, William X., Washington, D. C. Bowling-alley. No. 1,097,687; May 26; Gaz. vol. 202; p. 986.
- Stevenson, Albert S. J., McAlester, Okla. Display-rack. No. 1,120,168; Dec. 8; Gaz. vol. 209; p. 473.
- Stevenson, Alexander T., Portland, Oreg. Medicine-dose measurer and bottle-stopper. No. 1,093,740; Apr. 21; Gaz. vol. 201; p. 627.
- Stevenson, Charles H., Wallingford, assignor to Winchester Repeating Arms Co., New Haven, Conn. Tubular shot-carton. No. 1,113,708; Oct. 13; Gaz. vol. 207; p. 495.
- Stevenson, Charles W., Puyallup, Wash. Berry-box machine. No. 1,122,814; Dec. 29; Gaz. vol. 209; p. 1520.
- Stevenson, Clarence M., Los Angeles, Cal., and N. M. Baker, Southbridge, Mass. Eyeglasses. No. 1,104,152; July 21; Gaz. vol. 204; p. 757.

Alphabetical list of patentees—Continued.

- Stevenson, David B., Chester, W. Va. Safety attachment for lamps. No. 1,096,066; May 12; Gaz. vol. 202; p. 340.
- Stevenson, Francis E., assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Regulator for hydraulic steam-pumps. No. 1,111,505; Sept. 22; Gaz. vol. 206; p. 1056.
- Stevenson, John. (See Jenoi and Stevenson.)
- Stevenson, Oscar, *et al.* (See Graham, Perry, assignor.)
- Stevenson, Samuel P., Chester, Pa. Fastener for doors. No. 1,099,626; June 9; Gaz. vol. 203; p. 474.
- Stevenson, Vincent M. (See Dyer, Henry G., assignor.)
- Stevenson, William A., Florence, Mass. Apparatus for cleaning filter-beds. No. 1,096,868; May 19; Gaz. vol. 202; p. 655.
- Stevenson, William F., *et al.* (See Whitcomb, James, assignor.)
- Stevenson, William H., Chicago, Ill., and G. Gibbs, New York, N. Y., assignors to Philadelphia Holding Company, Philadelphia, Pa. Car-truck. No. 1,106,339; Aug. 4; Gaz. vol. 205; p. 259.
- Stevenson, William J. (See Smith and Stevenson.)
- Stevenson, William J., Milwaukee, Wis. Sewer-cleaner. No. 1,102,304; July 7; Gaz. vol. 204; p. 29.
- Stevenson, Thomas, assignor to American Graphophone Company, Bridgeport, Conn. Hydraulic press. No. 1,093,084; Apr. 14; Gaz. vol. 201; p. 364.
- Stever, Elbert M., Branchport, N. Y. Fuel-tank for automobiles. No. 1,097,950; May 26; Gaz. vol. 202; p. 1080.
- Stick, Crist H., Astoria, N. Y. Automatic electric gas-drip alarm device. No. 1,121,416; Dec. 15; Gaz. vol. 209; p. 959.
- Steward, Clarence S. (See Brown and Lowry, assignors.)
- Steward, Clarence S., Chattanooga, Tenn. Electric heating unit. No. 1,087,198; Feb. 17; Gaz. vol. 199; p. 658.
- Steward, Clarence S., Chattanooga, Tenn. Electric stove. No. 1,087,199; Feb. 17; Gaz. vol. 199; p. 658.
- Steward, Clarence S., Chattanooga, Tenn. Electric oven. No. 1,087,200; Feb. 17; Gaz. vol. 199; p. 658.
- Steward, Clarence S., Chattanooga, Tenn. Heating unit. No. 1,094,264; Apr. 21; Gaz. vol. 201; p. 801.
- Steward, Clarence S., Chattanooga, Tenn. Electric heater. No. 1,104,572; July 21; Gaz. vol. 204; p. 905.
- Steward, John F., Chicago, Ill. Motor-harvester. No. 1,090,246; Mar. 17; Gaz. vol. 200; p. 630.
- Steward, John F., Chicago, Ill. Lug for traction-wheels. No. 1,114,714; Oct. 20; Gaz. vol. 207; p. 888.
- Steward, Le Roy T., Chicago, Ill. Receptacle for mail and the like. No. 1,104,153; July 21; Gaz. vol. 204; p. 757.
- Steward, N. Harper. (See Pauli, Carl, assignor.)
- Stewart, Albert E. (See McFadden and Stewart.)
- Stewart, Albert P., *et al.* (See Williamson, John, assignor.)
- Stewart, Alfred C., Los Angeles, Cal. Hydraulic jack for well-casings. No. 1,100,204; June 16; Gaz. vol. 203; p. 711.
- Stewart, Alfred C., Los Angeles, Cal. Carbureting means for use with heavy fuels. No. 1,110,724; Sept. 15; Gaz. vol. 206; p. 744.
- Stewart, Alfred C., Los Angeles, Cal. Throttle for carbureters. No. 1,114,200; Oct. 20; Gaz. vol. 207; p. 708.
- Stewart, Alfred C., assignor of one-half to R. Watchorn, Los Angeles, Cal. Well-drilling machine. No. 1,084,762; Jan. 20; Gaz. vol. 198; p. 560.
- Stewart, Annie. (See Stewart, James S., assignor.)
- Stewart, Archibald, Keota, Iowa. Wheel. No. 1,089,284; Mar. 3; Gaz. vol. 200; p. 209.
- Stewart, Bunker and D. B., Garden City, Kans. Motor. No. 1,092,458; Apr. 7; Gaz. vol. 201; p. 116.
- Stewart, Burt C., assignor to Murphy Iron Works, Detroit, Mich. Grate-bar. No. 1,107,860; Aug. 18; Gaz. vol. 205; p. 889.
- Stewart, Charles A., Rollinsford, N. H. Cloth-folding machine. No. 1,109,801; Sept. 8; Gaz. vol. 206; p. 372.
- Stewart, Charles F., Flint, Mich. Cigarette-molding device. No. 1,084,374; Jan. 13; Gaz. vol. 198; p. 400.
- Stewart, Charles F., Nashville, Kans. Silo-support. No. 1,111,928; Sept. 29; Gaz. vol. 206; p. 1241.
- Stewart, Clarence B., Alhambra, Miss. Mail-pouch lifting and dumping device. No. 1,094,491; Apr. 28; Gaz. vol. 201; p. 938.
- Stewart, Clarke W., Olean, N. Y. Artificial bait. No. 1,088,475; Feb. 24; Gaz. vol. 199; p. 1145.
- Stewart, David B. (See Stewart, Bunker and D. B.)
- Stewart, David S., assignor of one-third to F. A. Hecker, Antigo, and one-third to N. C. Woodin, Superior, Wis. Four-wheel-drive truck. No. 1,105,218; July 28; Gaz. vol. 204; p. 1175.
- Stewart, Erin M., Boston, Ga. Pea-sheller. No. 1,116,948; Nov. 10; Gaz. vol. 208; p. 555.
- Stewart, George A., San Andreas, Cal. Auxiliary air-inlet for explosive-motors. No. 1,088,245; Feb. 24; Gaz. vol. 199; p. 1069.
- Stewart, Harlin E., Cerdo, W. Va. Suspending device. No. 1,111,812; Sept. 29; Gaz. vol. 206; p. 1201.
- Stewart, Harry O., *et al.* (See Symons, Boyle, and Blaind, assignors.) (Reissue.)
- Stewart, Harry S. (See Quick, Harry C., assignor.)
- Stewart Hartshorn Company. (See Hartshorn, Edmund F., assignor.)
- Stewart, Henry M. (See Montgomery and Stewart.)
- Stewart, James, Catford, England. Bobbin for thread and the like. No. 1,104,325; July 21; Gaz. vol. 204; p. 817.
- Stewart, James O., Spokane, Wash. Tire-spreading device. No. 1,087,846; Feb. 17; Gaz. vol. 199; p. 884.
- Stewart, James R., Tacoma, Wash. Gun-sight. No. 1,094,265; Apr. 21; Gaz. vol. 201; p. 801.
- Stewart, James S., assignor to A. Stewart, New York, N. Y. Electrical receptacle-attaching device. No. 1,097,736; May 26; Gaz. vol. 202; p. 1004.
- Stewart, James W., Bartonville, Ill. Wheel. No. 1,110,156; Sept. 8; Gaz. vol. 206; p. 504.
- Stewart, Jasper, Arkansas City, Kans. Heading attachment for kafir-corn harvesters. No. 1,091,779; Mar. 31; Gaz. vol. 200; p. 1229.
- Stewart, John, Gore, New Zealand. Draft attachment. No. 1,087,405; Feb. 17; Gaz. vol. 199; p. 731.
- Stewart, John, Codnor Park, England. W. Stewart, Motherwell, Scotland, and R. P. Bethell, Walsall, England. Producer and regenerative furnace. No. 1,098,991; June 2; Gaz. vol. 203; p. 215.
- Stewart, John D., Glenwoodville, Alberta, Canada. Disk-sharpener. No. 1,084,500; Jan. 13; Gaz. vol. 198; p. 438.
- Stewart, John G., assignor to Stewarts & Lloyds, Limited, Coatbridge, Scotland. Welded joint for iron and steel pipes and tubes. No. 1,083,767; Jan. 6; Gaz. vol. 198; p. 168.
- Stewart, John G., assignor to Stewarts & Lloyds, Limited, Coatbridge, Scotland. Welded joint for steel and iron pipes and tubes. No. 1,103,630; July 14; Gaz. vol. 204; p. 537.
- Stewart, John H., Lynn, Mass. Molding counters. No. 1,108,409; Aug. 25; Gaz. vol. 205; p. 1127.
- Stewart, John H., Jamaica, assignor to H. Frank, Jr., New York, N. Y. Three-point fire-door bolt. No. 1,097,372; May 19; Gaz. vol. 202; p. 833.
- Stewart, John K., Chicago, Ill. Cotton-picking device. No. 1,096,325; May 12; Gaz. vol. 202; p. 430.
- Stewart, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Shaft-speed indicator for cream-separators and the like. No. 1,083,638; Jan. 6; Gaz. vol. 198; p. 126.
- Stewart, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Grade-meter. No. 1,083,639; Jan. 6; Gaz. vol. 198; p. 126.
- Stewart, John K., Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, of Virginia. Odometer-train. No. 1,110,835; Sept. 15; Gaz. vol. 206; p. 781.
- Stewart, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Railway-odometer. No. 1,114,410; Oct. 20; Gaz. vol. 207; p. 783.
- Stewart, John K., Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation. Speed-indicator. No. 1,118,964; Dec. 1; Gaz. vol. 209; p. 21.
- Stewart, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Speedometer-driving connection for motor-cycles. No. 1,122,656; Dec. 29; Gaz. vol. 209; p. 1464.
- Stewart, Juan F., Wilmington, Del. Sawing-machine. No. 1,097,480; May 19; Gaz. vol. 202; p. 870.
- Stewart, Lewis H., Sacramento, Cal. Canning and preserving fruit. No. 1,099,577; June 9; Gaz. vol. 203; p. 458.
- Stewart, Maxwell G., assignor to W. A. Clutterbuck, Adelaide, South Australia, Australia. Shock-absorber for vehicles. No. 1,115,746; Nov. 3; Gaz. vol. 208; p. 95.
- Stewart, Norval, and A. B. Hollenbeck, Sidney, N. Y. Clamping device for foot-rests. No. 1,116,152; Nov. 3; Gaz. vol. 208; p. 235.
- Stewart, Oliver E., Brooklyn, N. Y. Valve-remover. No. 1,113,258; Oct. 13; Gaz. vol. 207; p. 337.
- Stewart, Peter T., Ripley, Ontario, Canada. Bag-support. No. 1,086,002; Feb. 3; Gaz. vol. 199; p. 151.
- Stewart, Ramsay R., Waiholo, New Zealand. Combined hames and collar. No. 1,114,929; Oct. 27; Gaz. vol. 207; p. 1019.
- Stewart, Robert A., Los Angeles, Cal. Apparatus for making white lead. No. 1,088,041; Feb. 24; Gaz. vol. 199; p. 1000.
- Stewart, Robert J., Mount Clemens, Mich. Shipping-case. No. 1,110,157; Sept. 8; Gaz. vol. 206; p. 504.
- Stewart, Robert P., Jamestown, N. Y. Sheet-metal receptacle. No. 1,105,710; Aug. 4; Gaz. vol. 205; p. 44.
- Stewart, Samuel B., Jr., Schenectady, N. Y., assignor to General Electric Company. Pantograph-trolley. No. 1,098,133; May 26; Gaz. vol. 202; p. 1144.
- Stewart, Samuel B., Jr., Schenectady, N. Y., assignor to General Electric Company. Interlocking overhead trolleys. No. 1,100,268; June 16; Gaz. vol. 203; p. 733.
- Stewart, Walter M., Ottumwa, Iowa. Stoker. No. 1,118,068; Nov. 24; Gaz. vol. 208; p. 1027.
- Stewart-Warner Speedometer Corporation. (See Burton, Charles S., assignor.)
- Stewart-Warner Speedometer Corporation. (See Stewart, John K., assignor.)

Alphabetical list of patentees—Continued.

- Stewart-Warner Speedometer Corporation. (See Thompson, Edward M., assignor.)
- Stewart-Warner Speedometer Corporation. (See Warner, Charles H., assignor.)
- Stewart-Warner Speedometer Corporation. (See Warner and Cadman, assignors.)
- Stewart-Warner Speedometer Corporation. (See Welch, Horace H., assignor.)
- Stewart, William. (See Stewart and Bethell.)
- Stewart, William C., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Pulling-over machine. No. 1,118,965; Dec. 1; Gaz. vol. 209; p. 21.
- Stewart, William C., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Pulling over boots and shoes. No. 1,118,966; Dec. 1; Gaz. vol. 209; p. 21.
- Stewart, William C., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Work-support for boot and shoe machines. No. 1,118,967; Dec. 1; Gaz. vol. 209; p. 22.
- Stewart, William C., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Fastener-inserting means. No. 1,118,968; Dec. 1; Gaz. vol. 209; p. 22.
- Stewart, William M. (See Brown, William E., assignor.)
- Stewarts & Lloyds. (See Stewart, John G., assignor.)
- Steynis, Jan, New York, N. Y., assignor to Steynis Ozone Company. Apparatus for the production of ozone. No. 1,100,997; June 23; Gaz. vol. 203; p. 1038.
- Steynis Ozone Company. (See Freet, William O., assignor.)
- Steynis Ozone Company. (See Steynis, Jan, assignor.)
- Shay, Alfred J., Seattle, Wash. Window-sash fastener. No. 1,108,271; Aug. 25; Gaz. vol. 205; p. 1080.
- Stickler, Charles W., Lansford, Pa. Tail-gate for dump-cars. No. 1,105,464; July 28; Gaz. vol. 204; p. 1265.
- Stickney, Benjamin R., Ticonderoga, N. Y. Web intaglio-printing press. No. 1,115,127; Oct. 27; Gaz. vol. 207; p. 1088.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,092,230; Apr. 7; Gaz. vol. 201; p. 36.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,098,922; June 2; Gaz. vol. 203; p. 193.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,098,923; June 2; Gaz. vol. 203; p. 193.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,099,213; June 9; Gaz. vol. 203; p. 331.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,099,270; June 9; Gaz. vol. 203; p. 351.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,100,104; June 16; Gaz. vol. 203; p. 676.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,100,269; June 16; Gaz. vol. 203; p. 733.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,100,453; June 16; Gaz. vol. 203; p. 796.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,100,454; June 16; Gaz. vol. 203; p. 797.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,100,455; June 16; Gaz. vol. 203; p. 797.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,101,765; June 30; Gaz. vol. 203; p. 1352.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,104,015; July 21; Gaz. vol. 204; p. 710.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,108,805; Aug. 25; Gaz. vol. 205; p. 1262.
- Stickney, Burnham C., Elizabeth, N. J., assignor to J. T. Underwood, Brooklyn, N. Y. Type-writing machine. No. 1,093,298; Apr. 14; Gaz. vol. 201; p. 439.
- Stickney, George F. (See Davis and Stickney.)
- Stidder, James G., Harrow, England. Tire for road-vehicles. No. 1,114,306; Oct. 20; Gaz. vol. 207; p. 746.
- Stiefel, Alvin C., Houma, La. Hand-pump. No. 1,108,637; Aug. 25; Gaz. vol. 205; p. 1207.
- Stiefel, George, Chicago, Ill. Bung-closure. No. 1,107,723; Aug. 18; Gaz. vol. 205; p. 842.
- Stieff Company, The. (See Anderfuhren, Louis, assignor.)
- Stiegelmann, Armand J. (See Reinking and Stiegelmann.)
- Stielow, Richard R., Neenah, Wis. Sewer-pipe valve. No. 1,119,895; Dec. 8; Gaz. vol. 209; p. 378.
- Stiewe, Wilhelm, Treptow, near Berlin, Germany. Clamp for tear-off blocks. No. 1,112,036; Sept. 29; Gaz. vol. 206; p. 1276.
- Stifel, Edward W., assignor to J. L. Stifel & Sons, Wheeling, W. Va. Printed textile fabric. No. 1,118,516; Nov. 24; Gaz. vol. 208; p. 1184.
- Stifel, Otto F. (See Cowgill, Orph W., assignor.)
- Stifel & Sons, J. L. (See Stifel, Edward W., assignor.)
- Stigberg, Axel E., New York, N. Y. Type-carrier. No. 1,102,104; June 30; Gaz. vol. 203; p. 1473.
- Stiggins, Edward A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Jack for shoe-machines. No. 1,104,016; July 21; Gaz. vol. 204; p. 710.
- Stiglich, Milan, Chicago, Ill. Hose-coupling. No. 1,121,147; Dec. 15; Gaz. vol. 209; p. 869.
- Stiglich, Stephen, Laurium, and J. W. Schneller, Calumet, Mich. Match-box. No. 1,108,018; Aug. 18; Gaz. vol. 205; p. 943.
- Stiker, Flavius B., assignor of one-half to A. F. Oliver, Buffalo, N. Y. Water-heater. No. 1,087,088; Feb. 10; Gaz. vol. 199; p. 567.
- Stiles, Linford S., Brooklyn, N. Y. Non-refillable bottle. No. 1,084,826; Jan. 20; Gaz. vol. 198; p. 581.
- Stiles, Luther M. (See Thatcher, Frank, assignor.)
- Stiles, Matthew D. S., Ridley Park, Pa. Support. No. 1,119,896; Dec. 8; Gaz. vol. 209; p. 378.
- Stiles, Robert G., Parkersburg, W. Va. Counterbalanced door or cover for retorts or similar vessels. No. 1,115,346; Oct. 27; Gaz. vol. 207; p. 1162.
- Stiles, Robert G., Parkersburg, W. Va. Retort. No. 1,117,923; Nov. 17; Gaz. vol. 208; p. 935.
- Stiles, William E., assignor to M. H. Palmer, Davenport, Iowa. Operating-table. No. 1,086,476; Feb. 24; Gaz. vol. 199; p. 1146.
- Still, Carl, Recklinghausen, Germany. Horizontal coke-oven. No. 1,098,188; May 26; Gaz. vol. 202; p. 1162.
- Still, Frederick R., assignor to American Blower Company, Detroit, Mich. Centrifugal fan. No. 1,094,031; Apr. 21; Gaz. vol. 201; p. 723.
- Still, Sun R., Hot Springs, Ark. Brace. No. 1,085,067; Jan. 20; Gaz. vol. 198; p. 661.
- Still, Sun R., Hot Springs, Ark. Railway-tie and clamp. No. 1,097,373; May 19; Gaz. vol. 202; p. 834.
- Still, William J., West Ealing, England. Manufacture of gilled tubular heat-interchanging apparatus. No. 1,094,477; May 5; Gaz. vol. 202; p. 105.
- Still, William J., West Ealing, England. Tubular heat-interchanging apparatus. No. 1,101,969; June 30; Gaz. vol. 203; p. 1425.
- Stille, Curt, Wilmersdorf, near Berlin, Germany. Relay for telephones. No. 1,099,406; June 9; Gaz. vol. 203; p. 400.
- Stille, Curt, Zehlendorf-West, near Berlin, Germany. Electro-optical cell. No. 1,103,638; Aug. 25; Gaz. vol. 205; p. 1207.
- Stille, Curt, Friedenau, near Berlin, Germany. Telegraphic photography. No. 1,116,949; Nov. 10; Gaz. vol. 208; p. 555.
- Stilling, Louis J., Newark, N. J. Surgical irrigating apparatus. No. 1,112,168; Sept. 29; Gaz. vol. 206; p. 1321.
- Stillman, Edwin S., *et al.* (See Stillman, John C., assignor.)
- Stillman, Herbert L., Westerly, R. I. Rail with joint-support for railways. No. 1,099,948; June 16; Gaz. vol. 203; p. 621.
- Stillman, Howard, Berkeley, Cal. Car-brake. No. 1,100,270; June 16; Gaz. vol. 203; p. 734.
- Stillman, John C., assignor of one-fourth to E. S. Stillman, one-fourth to H. E. Keltner, and one-fourth to F. O. Rossiter, Milwaukee, Wis. Furnace for hot-air heating systems. No. 1,110,466; Sept. 15; Gaz. vol. 206; p. 653.
- Stillman, Thomas B., Hoboken, N. J. Extracting potassium compounds from siliceous minerals. No. 1,106,984; Aug. 11; Gaz. vol. 205; p. 532.
- Stillwell, Elmer E., Orizaba, Mexico. Combination flue-expander and beading-tool. No. 1,115,612; Nov. 3; Gaz. vol. 208; p. 49.
- Stilson, Charles L., Mount Morris, N. Y. Switch-operating device. No. 1,086,237; Feb. 3; Gaz. vol. 199; p. 231.
- Stilwell, Charles B., Wayne, assignor to The Union Paper Bag Machine Company, Philadelphia, Pa. Packaging-machine. No. 1,109,023; Sept. 1; Gaz. vol. 206; p. 60.
- Stimmel, Frederick C., assignor to The Casey-Hedges Company, Chattanooga, Tenn. Steam-boiler furnace. No. 1,089,879; Mar. 10; Gaz. vol. 200; p. 461.
- Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Loom-shuttle. No. 1,091,867; Mar. 31; Gaz. vol. 200; p. 1261.
- Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Loom-shuttle. No. 1,091,868; Mar. 31; Gaz. vol. 200; p. 1261.

Alphabetical list of patentees—Continued.

- Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Tension for loom-shuttles. No. 1,103,097; July 14; Gaz. vol. 204; p. 351.
- Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Loom-shuttle. No. 1,117,719; Nov. 17; Gaz. vol. 208; p. 867.
- Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Filling-replenishing loom. No. 1,123,148; Dec. 29; Gaz. vol. 209; p. 1638.
- Stimpson, Edwin B., Brooklyn, N. Y., assignor to Edwin B. Stimpson Company. Tire-protective rivet. No. 1,091,981; Mar. 31; Gaz. vol. 200; p. 1298.
- Stimpson, Estelle H. (See Stimpson, Walter F., assignor.)
- Stimpson Scale and Manufacturing Company. (See Stimpson, Walter F., assignor.)
- Stimpson, Walter F., Detroit, assignor to Stimpson Scale and Manufacturing Company, Northville, Mich. Coffee-grinder. No. 1,086,868; Feb. 10; Gaz. vol. 199; p. 497.
- Stimpson, Walter F., Detroit, assignor to G. W. Hurd, Dundee, Mich. Adjustable index for scales. No. 1,092,872; Apr. 14; Gaz. vol. 201; p. 292.
- Stimpson, Walter F., Detroit, assignor to G. W. Hurd, Dundee, Mich. Computing-scale. No. 1,114,307; Oct. 20; Gaz. vol. 207; p. 746.
- Stimpson, Walter F., Detroit, assignor to G. W. Hurd, Dundee, Mich. Scale. No. 1,118,517; Nov. 24; Gaz. vol. 208; p. 1185.
- Stimpson, Walter F., assignor, by mesne assignments, to E. H. Stimpson, Detroit, Mich. Computing-scale. No. 1,106,323; Aug. 4; Gaz. vol. 205; p. 254.
- Stimson, David. (See Dozier, Joseph E., assignor.)
- Stinebring, George, Wooster, Ohio. Clutch. No. 1,107,724; Aug. 18; Gaz. vol. 205; p. 842.
- Stiner, Edgar F., New York, N. Y. Hanging for windows and the like. No. 1,088,042; Feb. 24; Gaz. vol. 199; p. 1000.
- Stingle, John D., Pine Village, Ind. Staple-holder. No. 1,087,092; Feb. 10; Gaz. vol. 199; p. 569.
- Stinson, Charles K., Templeton, Mass. Resilient tire. No. 1,109,261; Sept. 1; Gaz. vol. 206; p. 144.
- Stinson, Frederick V., Rockport, Me. Drag. No. 1,104,154; July 21; Gaz. vol. 204; p. 758.
- Stinson, John R., Malvern, Ark. Logging-bunk. No. 1,104,391; July 21; Gaz. vol. 204; p. 839.
- Stipp, Peter. (See Pilger, George J., assignor.)
- Stippick, John, Milwaukee, Wis. Kite. No. 1,092,303; Apr. 7; Gaz. vol. 201; p. 63.
- Stirckler, Frank B., Boston, Mass. Fastening device. No. 1,086,568; Feb. 10; Gaz. vol. 199; p. 391.
- Stirk, John G., Halifax, England. Shunt-regulator for variable-speed motors. No. 1,113,917; Oct. 13; Gaz. vol. 207; p. 568.
- Stirk, Sydney W., Somerville, Mass. Tool for spreading piston-rings. No. 1,119,374; Dec. 1; Gaz. vol. 209; p. 164.
- Stirn, Charles, San Francisco, Cal. Hot-meal server. No. 1,120,758; Dec. 15; Gaz. vol. 209; p. 730.
- Stiro, Domenick, New York, N. Y. Shaving-cup. No. 1,113,145; Oct. 6; Gaz. vol. 207; p. 253.
- Stitzel, Frederick, Louisville, Ky. Spring-wheel. No. 1,085,641; Feb. 3; Gaz. vol. 199; p. 22.
- Stitzel, Frederick, Louisville, Ky. Spring-wheel. No. 1,089,979; Mar. 10; Gaz. vol. 200; p. 495.
- Stitzel, Frederick, Louisville, Ky. Spring-wheel. No. 1,114,930; Oct. 27; Gaz. vol. 207; p. 1019.
- Stitzel, Frederick, Louisville, Ky. Governor. No. 1,122,328; Dec. 29; Gaz. vol. 209; p. 1351.
- Stivers, Jake M., assignor to National Quick Patch Company, Springfield, Mo. Repairing billiard-cloth. No. 1,097,481; May 19; Gaz. vol. 202; p. 871.
- Stiveson, John. (See Sherman and Stiveson.)
- Stjernquist, Charles A., Chicago, Ill. Heating system. No. 1,089,598; Mar. 10; Gaz. vol. 200; p. 365.
- Stokes, James D., assignor of one-half to C. P. Chamberlin and one-half to Joseph N. Smith & Company, Detroit, Mich. Hinge. No. 1,100,684; June 16; Gaz. vol. 203; p. 872.
- Stober, Floyd B., Byers, Colo. Antifreezing appliance. No. 1,108,806; Aug. 25; Gaz. vol. 205; p. 1263.
- Stobie, Victor, Sheffield, England. Improving pig-iron. No. 1,093,892; Apr. 21; Gaz. vol. 201; p. 678.
- Stobie, William H., Waterville, Me. Apparatus for disintegrating pulp. No. 1,099,579; June 9; Gaz. vol. 203; p. 459.
- Stobie, William H., Waterville, Me. Apparatus for disintegrating pulp. No. 1,099,580; June 9; Gaz. vol. 203; p. 459.
- Stobie, William H., Waterville, Me. Apparatus for disintegrating fibrous material. No. 1,099,581; June 9; Gaz. vol. 203; p. 459.
- Stobie, William H., Waterville, Me. Apparatus for disintegrating pulp. No. 1,123,033; Dec. 29; Gaz. vol. 209; p. 1598.
- Stobie, William H., Waterville, Me., assignor to Hollingsworth & Whitney Company, Boston, Mass. Disintegrating fibrous material used in the manufacture of paper-pulp. No. 1,099,578; June 9; Gaz. vol. 203; p. 459.
- Stock, Charles T., Jr. (See Brenner, Frederick, assignor.)
- Stock, David, Toronto, Ontario, Canada. Metal sash. No. 1,101,582; June 30; Gaz. vol. 203; p. 1290.
- Stock, Friedrich. (See Rabba and Stock.)
- Stock Quotation Telegraph Company, The. (See Hiltz, George S., assignor.)
- Stock, Walter, Albany, N. Y. Device for upsetting or lengthening an iron bar. No. 1,117,611; Nov. 17; Gaz. vol. 208; p. 826.
- Stock, William, Passaic, N. J. Milk-bottle. No. 1,104,082; July 21; Gaz. vol. 204; p. 735.
- Stockbridge, Radford, assignor of one-half to A. W. Beaman, Worcester, Mass. Shaping-machine. No. 1,096,808; May 12; Gaz. vol. 202; p. 592.
- Stockbridge, Radford, assignor of one-half to A. W. Beaman, Worcester, Mass. Driving mechanism for shaping-machines. No. 1,109,188; Sept. 1; Gaz. vol. 206; p. 118.
- Stockenberg, Charles T., Brooklyn, N. Y. Drinking-glass holder. No. 1,094,266; Apr. 21; Gaz. vol. 201; p. 802.
- Stocker, George J., St. Louis, Mo. Cooling-tower construction. No. 1,102,813; July 7; Gaz. vol. 204; p. 207.
- Stöcker, Hans, assignor to Weckerlein & Stöcker, Nuremberg, Germany. Apparatus for starting multiple-cylinder internal-combustion motors. No. 1,090,580; Mar. 17; Gaz. vol. 200; p. 747.
- Stocker, James M., Atlanta, Ga. Clutch. No. 1,098,189; May 26; Gaz. vol. 202; p. 1162.
- Stocker, Johannes. (See Lehmann and Stocker.)
- Stocker, Joseph, Logansport, Ind. Combined rocker and cradle. No. 1,086,951; Feb. 10; Gaz. vol. 199; p. 523.
- Stocker, Louis, Grahamton, Ky. Licker-in cloth. No. 1,099,321; June 9; Gaz. vol. 203; p. 370.
- Stocker, Theodore, Covington, Ky. Coin-controlled mechanism. No. 1,099,322; June 9; Gaz. vol. 203; p. 370.
- Stockhausen, Arnold H., East Adelaide, and W. G. Brinkworth, Adelaide, South Australia, Australia. Scotch-block for stopping runaway railway or tramway vehicles. No. 1,116,153; Nov. 3; Gaz. vol. 208; p. 235.
- Stocking, Amy M., East Orange, N. J. Appliance for supporting cooking utensils. No. 1,112,574; Oct. 6; Gaz. vol. 207; p. 58.
- Stocking, Bert A., and H. Mendenhall, Audubon, Iowa. Gearing. No. 1,096,067; May 12; Gaz. vol. 202; p. 340.
- Stockley, Edward W., Philadelphia, Pa. Folding screen. No. 1,118,069; Nov. 24; Gaz. vol. 208; p. 1027.
- Stockly, Walter D., Fairmont, W. Va., assignor to Mining Appliances Company. Self-lubricating wheeled vehicle. No. 1,108,807; Aug. 25; Gaz. vol. 205; p. 1263.
- Stockly, Walter D., Fairmont, W. Va., assignor to Mining Appliances Company. Mine-car. No. 1,108,808; Aug. 25; Gaz. vol. 205; p. 1264.
- Stockly, Walter D., Fairmont, W. Va., assignor to Mining Appliances Company. Wheel-connector for tubular axles. No. 1,108,809; Aug. 25; Gaz. vol. 205; p. 1264.
- Stockov, Max and S., New York, N. Y. Machine for forming shanks on buttons. No. 1,105,711; Aug. 4; Gaz. vol. 205; p. 44.
- Stockov, Solomon. (See Stockov, Max and S.)
- Stocks, Arthur S., London, England. Powder-puff and powder-container. No. 1,095,171; Apr. 28; Gaz. vol. 201; p. 1177.
- Stockstrom, Louis, assignor to American Stove Company, St. Louis, Mo. Oil-stove. No. 1,103,703; July 14; Gaz. vol. 204; p. 564.
- Stockstrom, Louis, assignor to American Stove Company, St. Louis, Mo. Oven-door. No. 1,108,810; Aug. 25; Gaz. vol. 205; p. 1264.
- Stockstrom, Louis, and H. H. Parpert, assignors to American Stove Company, St. Louis, Mo. Gas-burner. No. 1,091,253; Mar. 24; Gaz. vol. 200; p. 1008.
- Stockton, Elmer E., Bristol, Conn. Interchangeable compass-watch crown. No. 1,098,851; June 2; Gaz. vol. 203; p. 168.
- Stockton, James A., and M. N. Willimon, Tipton, Okla. Hand-operated stalk-cutter. No. 1,104,573; July 21; Gaz. vol. 204; p. 905.
- Stockwell, William H., Shreveport, La. Automobile towing attachment. No. 1,106,746; Aug. 11; Gaz. vol. 205; p. 449.
- Stockwell, William H., Shreveport, La. Automobile towing attachment. No. 1,116,751; Nov. 10; Gaz. vol. 208; p. 485.
- Stoddard, Charles F., Boston, Mass. Recording musical tones. No. 1,095,128; Apr. 28; Gaz. vol. 201; p. 1159.
- Stoddard, Charles F., Rochester, N. Y., assignor to American Pneumatic Service Company, Boston, Mass. Pneumatic-despatch apparatus. No. 1,088,109; Feb. 24; Gaz. vol. 199; p. 1023.
- Stoddard, Edgar R., Detroit, Mich. Grease-cup. No. 1,113,586; Oct. 13; Gaz. vol. 207; p. 453.
- Stoddard, Fred, Alnwick, England. Surveying instrument. No. 1,100,698; June 16; Gaz. vol. 203; p. 876.
- Stoddard, Hart A., assignor to Chelton Electric Company, Philadelphia, Pa. Wall-box. No. 1,112,426; Sept. 29; Gaz. vol. 206; p. 1413.
- Stoddard, James A., Bellevue, Wash. Feed-bag for horses. No. 1,100,205; June 16; Gaz. vol. 203; p. 711.
- Stoddard, John D., Cambridge City, Ind., assignor, by mesne assignments, to Interlocking Fence Company, Morton, Ill. Fence-machine. No. 1,092,409; Apr. 7; Gaz. vol. 201; p. 98.

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- Stoddard, Thomas G., Boston, Mass., assignor to The American Postal Machines Company, Portland, Me. Mail-marking machine. No. 1,088,110; Feb. 24; Gaz. vol. 199; p. 1024.
- Stoeckel, Edwin J. (See Schautz and Stoeckel.)
- Stoelting, Max C. (See Shay and Stoelting.)
- Stoeltzlen, Leo V., Erie, Pa., assignor to General Electric Company. Air-starting mechanism for oil-engines. No. 1,087,406; Feb. 17; Gaz. vol. 199; p. 731.
- Stoeltzlen, Leo V., Erie, Pa., assignor to General Electric Company. Fuel-pump. No. 1,108,811; Aug. 25; Gaz. vol. 205; p. 1265.
- Stoeltzlen, Leo V., Erie, Pa., assignor to General Electric Company. Fuel and starting valve for internal-combustion engines. No. 1,118,379; Nov. 24; Gaz. vol. 208; p. 1136.
- Stoepel, F. S., *et al.*, trustees. (See Finlayson, Alexander V., assignor.)
- Stoeser, Alexander J., Chicago, Ill. Concrete silo. No. 1,087,697; Feb. 17; Gaz. vol. 199; p. 835.
- Stoeser, Alexander J., Chicago, Ill. Mold for forming silos of concrete and the like. No. 1,122,329; Dec. 29; Gaz. vol. 209; p. 1351.
- Stoetzel, Joseph J., assignor to Pneumatic Tube Appliance Company, Chicago, Ill. Regulator for pneumatic service systems. No. 1,104,228; July 21; Gaz. vol. 204; p. 783.
- Stofa, Jozsef, Elgin, Ill. Inspection-car. No. 1,106,164; Aug. 4; Gaz. vol. 205; p. 203.
- Stofa, Jozsef, Elgin, Ill. Train-protector. No. 1,119,200; Dec. 1; Gaz. vol. 209; p. 105.
- Stoffel, Emil F., Pontiac, Mich. Governor. No. 1,096,962; May 19; Gaz. vol. 202; p. 690.
- Stoffel, Henry, Tulsa, Okla. Water-cooler. No. 1,096,572; May 12; Gaz. vol. 202; p. 512.
- Stoffels, Henry J., Norwood, Ohio. Guide-frame for gas-holders. No. 1,089,090; Mar. 3; Gaz. vol. 200; p. 143.
- Stohlberg, Carl. (See Eckberg and Stohlberg.)
- Stoikowitz, Alexander, Montreal, Quebec, Canada, assignor to Link Side-Bearing Company, Hammond, Ind. Link-motion side-bearing. No. 1,122,330; Dec. 29; Gaz. vol. 209; p. 1352.
- Stokes, George W., Philadelphia, Pa. Jacquard loom. No. 1,083,303; Jan. 6; Gaz. vol. 198; p. 15.
- Stokes & Smith Company. (See Carlson, Walter C., assignor.)
- Stokes & Smith Company. (See Hazel and Holbeche, assignors.)
- Stokes & Smith Company. (See Reifsnnyder, James D., assignor.)
- Stokes, William E. D., Jr., New York, N. Y., and G. W. Davis, Hoboken, N. J., assignors to W. E. D. Stokes, New York, N. Y. Receiving device for wireless systems. No. 1,089,091; Mar. 3; Gaz. vol. 200; p. 143.
- Stokes, William J., Crystal Springs, Miss. Harrow. No. 1,089,285; Mar. 3; Gaz. vol. 200; p. 209.
- Stolk, John M. G., Ensley, Ala. Box. No. 1,116,752; Nov. 10; Gaz. vol. 208; p. 486.
- Stoll, Clarence G., Brooklyn, N. Y., assignor to Western Electric Company, Chicago, Ill. Mounting for fuses. No. 1,093,893; Apr. 21; Gaz. vol. 201; p. 678.
- Stoll, Frank M., Denver, Colo. Cushion-seat for motorcycles. No. 1,095,172; Apr. 28; Gaz. vol. 201; p. 1177.
- Stoll, Frank M., assignor to The Stoll Manufacturing Company, Denver, Colo. Combined motor-cycle rear seat and luggage-carrier. No. 1,093,741; Apr. 21; Gaz. vol. 201; p. 627.
- Stoll Manufacturing Company, The. (See Stoll, Frank M., assignor.)
- Stollberg, Charles, Toledo, Ohio, assignor to American Can Company, New York, N. Y. Rotary wind-actuated sheet-metal sign. No. 1,088,378; Feb. 24; Gaz. vol. 199; p. 1114.
- Stoller, Frank, Kittanning, Pa. Cushioned heel. No. 1,112,942; Oct. 6; Gaz. vol. 207; p. 184.
- Stolley, William, Vivian, S. D. Fly-screen. No. 1,106,010; Aug. 4; Gaz. vol. 205; p. 148.
- Stolp, Charles H., Aurora, Ill. Oven. No. 1,114,931; Oct. 27; Gaz. vol. 207; p. 1019.
- Stolpe, Gustave E. (See Baird and Stolpe.)
- Stolper, Louis, New York, N. Y. Window. No. 1,098,695; June 2; Gaz. vol. 203; p. 116.
- Stoltz, Eugene J., New York, N. Y. Knife-sharpener. No. 1,090,421; Mar. 17; Gaz. vol. 200; p. 691.
- Stoltzenberg, Hugo, Breslau, assignor to Melasse-Schlempe, G. m. b. H., Berlin, Germany. Non-hygroscopic manure-stuff and making same. No. 1,104,326; July 21; Gaz. vol. 204; p. 817.
- Stolz, Jacob, Warden, Wash. Header and header-binder. No. 1,093,742; Apr. 21; Gaz. vol. 201; p. 628.
- Stomberg, John, Rockford, Ill. Wrench. No. 1,114,549; Oct. 20; Gaz. vol. 207; p. 832.
- Stomler, Cornelius D., Marine City, Mich. Sanitary toilet. No. 1,116,753; Nov. 10; Gaz. vol. 208; p. 486.
- Stone, Alfred, Elmhurst, Cal. Door-lock. No. 1,110,725; Sept. 15; Gaz. vol. 206; p. 744.
- Stone, Bernard S., Vancouver, British Columbia, Canada. Valve. No. 1,117,924; Nov. 17; Gaz. vol. 208; p. 936.
- Stone, Bruce B., Mount Clare, W. Va. Acetylene-lamp. No. 1,091,982; Mar. 31; Gaz. vol. 200; p. 1298.
- Stone, Charles W., Schenectady, N. Y., assignor to General Electric Company. Voltage-regulator. No. 1,091,716; Mar. 31; Gaz. vol. 200; p. 1206.
- Stone Company, J. (See Baylay, Willoughby L., assignor.)
- Stone & Company, J. (See Pike and Neville, assignors.)
- Stone & Company Limited, J. (See Mead, Albert A., assignor.)
- Stone & Company Limited, J. (See Parsons, William S., assignor.)
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Portable savings-bank. No. 1,099,103; June 2; Gaz. vol. 203; p. 249.
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Padlock. No. 1,104,327; July 21; Gaz. vol. 204; p. 817.
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Electroplating apparatus. No. 1,108,410; Aug. 25; Gaz. vol. 205; p. 1127.
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Safety device for power-operated machines. No. 1,111,042; Sept. 22; Gaz. vol. 206; p. 896.
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Safety device for power-operated machines. No. 1,111,276; Sept. 22; Gaz. vol. 206; p. 978.
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Drag-box. No. 1,112,943; Oct. 6; Gaz. vol. 207; p. 185.
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Drying apparatus. No. 1,117,720; Nov. 17; Gaz. vol. 208; p. 867.
- Stone, George, assignor to M. T. Stevens & Sons Company, North Andover, Mass. Apparatus for drying fibrous materials, &c. No. 1,086,567; Feb. 10; Gaz. vol. 199; p. 391.
- Stone, Harry A., assignor to Folding-Stand Company, Inc., New York, N. Y. Extension-leaf for folding tables. No. 1,094,032; Apr. 21; Gaz. vol. 201; p. 724.
- Stone, Harry A., assignor to Folding-Stand Company, Inc., New York, N. Y. Folding table. No. 1,094,033; Apr. 21; Gaz. vol. 201; p. 724.
- Stone, Harry A., assignor to Folding-Stand Company, Inc., New York, N. Y. Folding table. No. 1,104,083; July 21; Gaz. vol. 204; p. 735.
- Stone, Harry A., assignor to Folding-Stand Company, Inc., New York, N. Y. Folding type-writer support. No. 1,112,944; Oct. 6; Gaz. vol. 207; p. 185.
- Stone, J. H. (See Adamee, Jacob H., assignor.)
- Stone, James, Chicago, Ill. Lap-board. No. 1,106,901; Aug. 11; Gaz. vol. 205; p. 504.
- Stone, James B., Fresno, Cal. Wire cable. No. 1,089,684; Mar. 10; Gaz. vol. 200; p. 395.
- Stone, James C., *et al.* (See Lake and Marks, assignors.)
- Stone, John, Pampa, Tex. Beet-harvesting machine. No. 1,113,505; Oct. 13; Gaz. vol. 207; p. 426.
- Stone, John, Pittsburgh, Pa., assignor to Excess Indicator Company. Excess-electric-current indicator. No. 1,105,465; July 28; Gaz. vol. 204; p. 1265.
- Stone, John E., Pampa, Tex. Beet-harvester. No. 1,121,686; Dec. 22; Gaz. vol. 209; p. 1090.
- Stone, John W., Downingtown, Pa. Switch-operating mechanism. No. 1,093,589; Apr. 14; Gaz. vol. 201; p. 531.
- Stone, Joseph H., Okemah, Okla. Cotton-chopper. No. 1,093,894; Apr. 21; Gaz. vol. 201; p. 678.
- Stone, Joseph H., Okemah, Okla. Blade for cotton-choppers. No. 1,102,362; July 7; Gaz. vol. 204; p. 48.
- Stone, Julius F. (See Miller and Jones, assignors.)
- Stone, Julius H. (See Havenstrite, David J., assignor.)
- Stone, Melvin L., assignor to Draper Company, Hopedale, Mass. Filling-end controller for looms. No. 1,115,983; Nov. 3; Gaz. vol. 208; p. 177.
- Stone, Melvin T., San Antonio, Tex. Hydrocarbon-burner. No. 1,111,929; Sept. 29; Gaz. vol. 206; p. 1242.
- Stone, Sol, San Diego, Cal. Paper box. No. 1,104,392; July 21; Gaz. vol. 204; p. 840.
- Stone, Stuart R., New York, N. Y. Relay. No. 1,083,566; Jan. 6; Gaz. vol. 198; p. 102.
- Stone, Thomas W., assignor to The Western Gas Construction Company, Fort Wayne, Ind. Gas-washer. No. 1,098,190; May 26; Gaz. vol. 202; p. 1162.
- Stone, Wilbur M., assignor to A. Conrow, trustee, New York, N. Y. Note-sheet-guiding device. No. 1,105,046; July 28; Gaz. vol. 204; p. 1116.
- Stone, William F., Woodbury, N. J., assignor to Star Seal Company. Bottle-sealing machine. No. 1,083,768; Jan. 6; Gaz. vol. 198; p. 169.
- Stone, William S., Cecilian, Ky. Wrench. No. 1,101,889; June 30; Gaz. vol. 203; p. 1396.
- Stonebridge, Margaret, Garrison, N. Y. Washing-machine. No. 1,101,667; June 30; Gaz. vol. 203; p. 1319.
- Stoneham, Charles A., *et al.* (See Geraghty and Naylor, assignors.)
- Stoner, Elmer E., Stroudsburg, Pa. Ice-harvester. No. 1,115,613; Nov. 3; Gaz. vol. 208; p. 50.
- Stoner, Henry E., Walton-on-the-Thames, England. Roller-bearing. No. 1,100,791; June 23; Gaz. vol. 203; p. 965.

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- Stoner, Jordan N., Scottsdale, Pa. Movable headlight. No. 1,090,761; Mar. 17; Gaz. vol. 200; p. 805.
- Stoner, Lewis A., Lancaster, Pa. Cross-tie. No. 1,084,501; Jan. 13; Gaz. vol. 198; p. 438.
- Stoner, William E. (See Hoffman and Stoner.)
- Stonesifer, Harry A., assignor to Long Furniture Company, Hanover, Pa. Extension-table. No. 1,099,776; June 9; Gaz. vol. 203; p. 525.
- Stoney, John T., Cleveland, Ohio. Molding-machine. No. 1,113,709; Oct. 13; Gaz. vol. 207; p. 495.
- Stopp, Alvin C., Stoppington, Alberta, Canada. Fish-excluder. No. 1,095,434; May 5; Gaz. vol. 202; p. 89.
- Stopp, Alvin C., Stoppington, Alberta, Canada. Nut-lock. No. 1,122,331; Dec. 29; Gaz. vol. 209; p. 1352.
- Stoppie Kook-Kit Company. (See Stoppie, Walter W., assignor.)
- Stoppie, Walter W., assignor to Stoppie Kook Kit Company, Alma, Mich. Cooking-kit broiler. No. 1,095,970; May 5; Gaz. vol. 202; p. 269.
- Stoppie, Walter W., assignor to Stoppie Kook-Kit Company, Alma, Mich. Pocket cooking outfit. No. 1,096,002; May 5; Gaz. vol. 202; p. 281.
- Stoppie, Walter W., assignor to Little Giant Hay Press Company, Alma, Mich. Baling-press. No. 1,106,251; Aug. 4; Gaz. vol. 205; p. 230.
- Stoppie, Walter W., assignor to Little Giant Hay Press Company, Alma, Mich. Hay-press power mechanism. No. 1,106,252; Aug. 4; Gaz. vol. 205; p. 230.
- Stora Kopparbergs Bergslags Aktiebolag. (See Ekström, Per G., assignor.)
- Storaker, Knute, Westchester, N. Y. Scriber's compass. No. 1,111,192; Sept. 22; Gaz. vol. 206; p. 950.
- Storer, George B. (See Loesch, William, assignor.)
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Railway-vehicle. No. 1,087,053; Feb. 10; Gaz. vol. 199; p. 556.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Trolley-wire hanger. No. 1,100,792; June 23; Gaz. vol. 203; p. 965.
- Storey, Eugene W., Chicago, Ill. Sign-hanger. No. 1,086,238; Feb. 3; Gaz. vol. 199; p. 232.
- Storey, Isaac H. (See Kitchen and Storey.)
- Storey, James M., Hoschton, Ga. Device for converting motion. No. 1,087,615; Feb. 17; Gaz. vol. 199; p. 805.
- Storie, Isaac R., Rugby, Tenn. Subsoiler. No. 1,120,859; Dec. 15; Gaz. vol. 209; p. 765.
- Stork, Walter A., St. Louis, Mo. Self-basting roaster. No. 1,091,445; Mar. 24; Gaz. vol. 200; p. 1068.
- Storle, Ole O., Tacoma, Wash. Violin. No. 1,116,754; Nov. 10; Gaz. vol. 208; p. 487.
- Storm, Edwin R., New York, N. Y. Adjustable printing-plate holder. No. 1,095,150; Apr. 28; Gaz. vol. 201; p. 1168.
- Storm, Edwin R., New York, N. Y. Governor for engines. No. 1,115,984; Nov. 3; Gaz. vol. 208; p. 177.
- Storm, Hermann J., assignor of one-half to L. J. Bossert, Bridgeport, Conn. Sash-holder. No. 1,099,726; June 9; Gaz. vol. 203; p. 509.
- Storm Shield Mfg. Co. (See Krafft, Bert H., assignor.)
- Storr, John, Jr., Ottawa, Ontario, Canada. Combination-lock. No. 1,084,764; Jan. 20; Gaz. vol. 198; p. 560.
- Storrie, Alexander, Invercargill, New Zealand. Milk-releaser. No. 1,109,370; Sept. 1; Gaz. vol. 206; p. 183.
- Story, Ward B., assignor to Ward B. Story Company, Inc., New York, N. Y. Inking device for printing-presses. No. 1,105,861; Aug. 4; Gaz. vol. 205; p. 97.
- Story, Ward B., assignor to Ward B. Story Company, Inc., New York, N. Y. Trip device for printing-presses. No. 1,116,755; Nov. 10; Gaz. vol. 208; p. 487.
- Story, William E., Jr., Schenectady, N. Y., assignor to General Electric Co. Vapor electric device. No. 1,118,380; Nov. 24; Gaz. vol. 208; p. 1136.
- Stotelmeyer, Joseph R., and W. S. Hensell, Hagerstown, Md. Trolley-wheel mount. No. 1,102,453; July 7; Gaz. vol. 204; p. 81.
- Stott, Frank S. (See Trent, William, assignor.)
- Stott, James, Manayunk, Pa. Cutting ornamentation on glass articles. No. 1,103,631; July 14; Gaz. vol. 204; p. 538.
- Stouder, Augustus G. (See Lorimer and Stouder.)
- Stouffer, Luther, St. Joseph, Mo. Razor-handle. No. 1,084,238; Jan. 13; Gaz. vol. 198; p. 357.
- Stoughton, Bradley, New York, N. Y. Generating heat in fusion-furnaces. No. 1,117,274; Nov. 17; Gaz. vol. 208; p. 709.
- Stoughton, Joseph M., Yonkers, N. Y. Means for transmitting motion. No. 1,121,148; Dec. 15; Gaz. vol. 209; p. 869.
- Stout, Charles N., assignor of one-half to G. Morris Hamilton, Ontario, Canada. Refillable fuse. No. 1,107,861; Aug. 18; Gaz. vol. 205; p. 890.
- Stout, Harry H., assignor to General Chemical Company, New York, N. Y. Feeding device for roasting-furnaces. No. 1,102,454; July 7; Gaz. vol. 204; p. 81.
- Stout, Harry H., assignor to General Chemical Company, New York, N. Y. Roasting-furnace shaft. No. 1,119,325; Dec. 1; Gaz. vol. 209; p. 146.
- Stout, Robert P. (See Melgs and Stout.)
- Stout, Robert P., and F. A. Sullivan, Bethlehem, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Gun-sight. No. 1,106,747; Aug. 11; Gaz. vol. 205; p. 450.
- Stout, Will T., Kinta, Okla. Cotton-sack. No. 1,091,402; Mar. 24; Gaz. vol. 200; p. 1055.
- Stovall, John W., and J. T. Furniss, Stovall, Miss. Bottle-seal-detaching device. No. 1,090,422; Mar. 17; Gaz. vol. 200; p. 692.
- Stovall, Thomas H., Richmond, Va., assignor of one-half to J. Walters, Charleston, W. Va. Display-trunk. No. 1,105,381; July 28; Gaz. vol. 204; p. 1236.
- Stover, Allen C., Chicago, Ill. Stropping device for safety-razor blades. No. 1,086,239; Feb. 3; Gaz. vol. 199; p. 232.
- Stover, Arabelle M., Nevada City, Cal. Closure for receptacles. No. 1,087,847; Feb. 17; Gaz. vol. 199; p. 884.
- Stover Engine Works. (See Freidag, William F., assignor.)
- Stover, Peter, Jr. (See Potter, Stover, and Munz.)
- Stow, Percival E., Croydon, England. Film-mending machine. No. 1,088,478; Feb. 24; Gaz. vol. 199; p. 1146.
- Stowe, Bernard A. (See Ayers and Stowe.)
- Stowell, Desrie A. (See Harris and Stowell.)
- Stowell, Seth M., San Ardo, Cal. Spoke-auger. No. 1,117,925; Nov. 17; Gaz. vol. 208; p. 936.
- Stowers, William G., Blacksburg, Va. Post-hole digger. No. 1,116,154; Nov. 3; Gaz. vol. 208; p. 235.
- Strachan, John W., Kansas City, Mo. Machine for making wire-fence stays. No. 1,094,379; Apr. 21; Gaz. vol. 201; p. 837.
- Strack, Henry C., Owego, assignor of twenty-four one-hundredths to W. D. Strack and twenty-four one-hundredths to H. D. Strack, Brooklyn, N. Y. Grinding-mill. No. 1,111,770; Sept. 29; Gaz. vol. 206; p. 1185.
- Strack, Henry D., *et al.* (See Strack, Henry C., assignor.)
- Strack, Wallace D., *et al.* (See Strack, Henry C., assignor.)
- Strader, Julius G., assignor of one-half to M. D. Scott, Mosleys Junction, Va. Closure and locking mechanism for mail-bags. No. 1,095,603; May 5; Gaz. vol. 202; p. 147.
- Straessle, Charles J. J., Lynn, Mass. Shoe-heel-burnishing wheel. No. 1,120,559; Dec. 8; Gaz. vol. 209; p. 612.
- Straight, Bennett D., assignor to Multipost Company, Rochester, N. Y. Stamp-affixer. No. 1,093,658; Apr. 21; Gaz. vol. 201; p. 598.
- Straight, Clark H., Bristol, R. I. Cover for milk-receptacles. No. 1,116,950; Nov. 10; Gaz. vol. 208; p. 555.
- Straight, Edward B., Chicago, Ill. Drum-beater. No. 1,122,551; Dec. 29; Gaz. vol. 209; p. 1426.
- Straight Filament Lamp Company. (See O'Brien, Dennis J., assignor.)
- Strain, Shelley M., *et al.* (See Hughes, Hugh T., assignor.)
- Strait, William, Eau Claire, Wis. Tractor. No. 1,105,862; Aug. 4; Gaz. vol. 205; p. 97.
- Straka, Adolph. (See Bees, William H., assignor.)
- Straley, Harvila E. (See Shockley and Straley.)
- Strand, Elmer O., Lavina, Mont. Drying-rack. No. 1,086,478; Feb. 10; Gaz. vol. 199; p. 359.
- Strand, Eric A., Vancouver, British Columbia, Canada. Clutch-actuating device. No. 1,113,710; Oct. 13; Gaz. vol. 207; p. 496.
- Strand, Eric A., Vancouver, British Columbia, Canada. Steam friction device. No. 1,113,711; Oct. 13; Gaz. vol. 207; p. 496.
- Strand, George H., Merrill, Wis. Railway-tie. No. 1,106,165; Aug. 4; Gaz. vol. 205; p. 203.
- Strandberg, Harry, Newfolden, Minn. Self-serving dining-table. No. 1,095,239; May 5; Gaz. vol. 202; p. 22.
- Stranders, Julien, assignor to The United States Printing & Lithograph Company, New York, N. Y. Display device. No. 1,098,924; June 2; Gaz. vol. 203; p. 193.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. No. 1,119,998; Dec. 8; Gaz. vol. 209; p. 414.
- Strang, Charles B. and J. F., Lindenwood, Ill. Primer for internal-combustion engines. No. 1,108,411; Aug. 25; Gaz. vol. 205; p. 1127.
- Strang, John F. (See Strang, Charles B. and J. F.)
- Strange, Harry B., Blackheath, assignor to Thos. Firth and Sons, Limited, Sheffield, England. Fuse for projectiles. No. 1,107,461; Aug. 18; Gaz. vol. 205; p. 748.
- Strange, John, Neenah, Wis. Paper bucket. No. 1,118,695; Nov. 24; Gaz. vol. 208; p. 1247.
- Strasburger, Frank C. H., assignor to Bottlers Machinery Manufacturing Company, Chicago, Ill. Bottle-filling machine. No. 1,095,240; May 5; Gaz. vol. 202; p. 23.
- Strasser, Bruno. (See Edwin, Hähne, and Strasser.)
- Stratford, John E., and J. A. Ackley, assignors to Diffuse-Zone Disinfecting Company, Houston, Tex. Vaporizer for use with electric fans. No. 1,113,146; Oct. 6; Gaz. vol. 207; p. 253.
- Strathern, Alexander G., Coatbridge, Scotland. Machine for impressing metal bars by rolling the same. No. 1,108,272; Aug. 25; Gaz. vol. 205; p. 1080.
- Strattman, Edwin A., Bogalusa, La. Safety-turret for express-cars. No. 1,119,468; Dec. 1; Gaz. vol. 209; p. 195.

Alphabetical list of patentees—Continued.

- Stratton, Edmond F., assignor to A. S. Keller, New York, N. Y. Camera. No. 1,099,889; June 9; Gaz. vol. 203; p. 564.
- Stratton, Fenton F., East Croyden, England. Change-speed-gear mechanism for motor-vehicles. No. 1,095,129; Apr. 28; Gaz. vol. 201; p. 1160.
- Stratton, George M., New Brunswick, N. J. Ligature-holder. No. 1,103,227; July 14; Gaz. vol. 204; p. 398.
- Stratton, Harper E., Empire, Ohio. Pipe-ring cutter. No. 1,100,033; June 16; Gaz. vol. 203; p. 650.
- Stratton, Harry F. (See Wright and Stratton.)
- Stratton, Harry F., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Controller for electric motors. No. 1,122,657; Dec. 29; Gaz. vol. 209; p. 1465.
- Straub, Jackson L., assignor to The Star Ball Retainer Company, Lancaster, Pa. Ball-retainer. No. 1,114,932; Oct. 27; Gaz. vol. 207; p. 1019.
- Straub, William F., assignor to Electric Time Recorder Company, Chicago, Ill. Inking system. No. 1,116,155; Nov. 3; Gaz. vol. 208; p. 236.
- Straubel, Frederick L. G., Green Bay, Wis. File-cabinet. No. 1,033,304; Jan. 6; Gaz. vol. 198; p. 15.
- Straubel, Rudolf, assignor to Firm of C. Zeiss, Jena, Germany. Glass-surface-working tool. No. 1,097,565; May 19; Gaz. vol. 202; p. 898.
- Straubel, Rudolf, assignor to Firm of C. Zeiss, Jena, Germany. Cooling-chamber for projection purposes. No. 1,107,725; Aug. 18; Gaz. vol. 205; p. 842.
- Straughan, John W., assignor of one-third to J. W. Morgan and one-third to L. A. Casci, Pratt, W. Va. Switch-stand. No. 1,099,627; June 9; Gaz. vol. 203; p. 474.
- Straus, Theodore E., assignor to Worthington Cotton Harvester Company, Baltimore, Md. Cotton-picker. No. 1,110,158; Sept. 8; Gaz. vol. 206; p. 504.
- Straus, Theodore E., and B. Worthington, assignors to Worthington Cotton Harvester Company, Baltimore, Md. Cotton-picker. No. 1,091,254; Mar. 24; Gaz. vol. 200; p. 1009.
- Strause Gas Iron Co. (See Killgore, Robert B., assignor.)
- Strause Gas Iron Co. (See Strause and Spahr, assignors.)
- Strause Gas Iron Co. (See Spahr and Strause, assignors.)
- Strause, Louis J. (See Spahr and Strause.)
- Strause, Louis J., and O. Spahr, assignors to Strause Gas Iron Co., Philadelphia, Pa. Bunsen burner. No. 1,114,308; Oct. 20; Gaz. vol. 207; p. 746.
- Strause, Louis J., and O. Spahr, assignors to Strause Gas Iron Co., Philadelphia, Pa. Bunsen burner. No. 1,118,696; Nov. 24; Gaz. vol. 208; p. 1247.
- Strauss, Charles, and G. Rommel, New York, N. Y. Safety-clasp for bracelets, necklaces, and similar articles of jewelry. No. 1,094,947; Apr. 28; Gaz. vol. 201; p. 1100.
- Strauss, Jerome A., trustee. (See Wein, Samuel, assignor.)
- Strauss, Joseph B., Chicago, Ill. Counterbalancing window-sashes, &c. No. 1,096,402; May 12; Gaz. vol. 202; p. 454.
- Strauss, Joseph B., Chicago, Ill. Bridge. No. 1,111,872; Sept. 29; Gaz. vol. 206; p. 1223.
- Strauss, Lou R. (See Schwartz and Strauss.)
- Strauss Manufacturing Company. (See Hall, Frank H., assignor.)
- Straw, William P., Manchester, N. H. Loom-shuttle. No. 1,092,959; Apr. 14; Gaz. vol. 201; p. 322.
- Straw, William P., Manchester, N. H. Apparatus for treating fibrous material. No. 1,117,721; Nov. 17; Gaz. vol. 208; p. 868.
- Strawn, William M., *et al.* (See Snee, James M., assignor.)
- Strayer, William J., Newark, N. J. Hanger for embalming-bottles. No. 1,089,980; Mar. 10; Gaz. vol. 200; p. 496.
- Streb, Charles, assignor of one-half to F. Boyer, Rochester, N. Y. Footwear. No. 1,089,599; Mar. 10; Gaz. vol. 200; p. 365.
- Strebel, Louis, Bergenfield, N. J. Cap-feeder for bottle-capping machines. No. 1,106,590; Aug. 11; Gaz. vol. 205; p. 396.
- Strecker, Frederick W., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Adjustable die. No. 1,087,073; Feb. 10; Gaz. vol. 199; p. 562.
- Streeseaman, Henry H., Yonkers, N. Y. Antislipping device. No. 1,118,697; Nov. 24; Gaz. vol. 208; p. 1247.
- Street Car Indicator Company. (See Simpson, John, assignor.)
- Street, Charles R. (See Butcher, James M., assignor.)
- Street, Francis L. (See Barry and Street.)
- Street, Fred, Philadelphia, Pa. Gas-lighting device. No. 1,086,952; Feb. 10; Gaz. vol. 199; p. 523.
- Street, Mary E., St. Louis, Mo. Bathing-suit. No. 1,111,193; Sept. 22; Gaz. vol. 206; p. 950.
- Streeter, Alfred L., assignor of one-half to Illinois Malleable Iron Company, Chicago, Ill. Making brake-shoes. No. 1,118,160; Nov. 24; Gaz. vol. 208; p. 1058.
- Streeter, Alfred L., Chicago, Ill., assignor to Victor Railway Supply Company. Journal-box. No. 1,123,149; Dec. 29; Gaz. vol. 209; p. 1639.
- Streeter, Alfred L., Chicago, Ill. Brake-shoe. No. 1,090,892; Mar. 24; Gaz. vol. 200; p. 882.
- Streeton, Joseph, Los Angeles, Cal. Combined overshoe jack and scraper. No. 1,089,600; Mar. 10; Gaz. vol. 200; p. 366.
- Streett, George A., Cleveland, Ohio. Loose-leaf binder. No. 1,106,479; Aug. 11; Gaz. vol. 205; p. 355.
- Streett, J. Clark, *et al.* (See Eek, Albin C., assignor.)
- Streett, J. Clark, *et al.* (See Lee, Henry W., assignor.)
- Streib, John F., Avalon, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Center-sill construction. No. 1,100,206; June 16; Gaz. vol. 203; p. 711.
- Streib, John F., Avalon, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Dump-car-door-operating gear. No. 1,122,658; Dec. 29; Gaz. vol. 209; p. 1465.
- Streich, Charles G., Oshkosh, Wis. Dumping-wagon or analogous container. No. 1,106,523; Aug. 11; Gaz. vol. 205; p. 371.
- Streich, Charles G., Oshkosh, Wis. Wagon-body. No. 1,106,524; Aug. 11; Gaz. vol. 205; p. 371.
- Streich, Frank, and P. E. Franke, assignors to Union Wrapping Machine Company, Joliet, Ill. Bread wrapping and sealing machine. No. 1,110,083; Sept. 8; Gaz. vol. 206; p. 475.
- Streichert, Emil K. F., Detroit, Mich. Radiator-assembling device. No. 1,096,068; May 12; Gaz. vol. 202; p. 341.
- Streit, Gabriel, Steisslingen, Baden, Germany. Scythe. No. 1,102,814; July 7; Gaz. vol. 204; p. 207.
- Streitzig, Wilhelm. (See Schlattner, Franz, assignor.)
- Stretesky, Joseph R., and P. L. Larned, Bonne Terre, Mo. Wagon-scale. No. 1,088,479; Feb. 24; Gaz. vol. 199; p. 1147.
- Stribling, John L., Westbrook, Tex. Propeller. No. 1,097,775; May 26; Gaz. vol. 202; p. 1018.
- Stricker, Burkhard, Chicago, Ill. Smoker's accessory. No. 1,112,575; Oct. 6; Gaz. vol. 207; p. 59.
- Stricker, Gertrude, assignor of one-third to W. Stricker, Kansas City, Mo. Drain-lid for cooking utensils. No. 1,089,092; Mar. 3; Gaz. vol. 200; p. 143.
- Stricker, William. (See Stricker, Gertrude, assignor.)
- Strickland, Elwin M., Detroit, Mich. Device for examining small articles. No. 1,120,421; Dec. 8; Gaz. vol. 209; p. 563.
- Strickland, Mathew R., Perry, Fla. Barrel head and rim. No. 1,114,309; Oct. 20; Gaz. vol. 207; p. 747.
- Stricklen, Joseph, Bicknell, Ind. Canopy. No. 1,114,933; Oct. 27; Gaz. vol. 207; p. 1020.
- Strickler, James P., Columbus, Ohio. Pipe-cutter. No. 1,092,304; Apr. 7; Gaz. vol. 201; p. 63.
- Strickler, Joseph S., Aliquippa, Pa. Change-maker. No. 1,110,159; Sept. 8; Gaz. vol. 206; p. 505.
- Strickler, Mary E., Meadville, Mo. Chicken-feeder. No. 1,108,019; Aug. 18; Gaz. vol. 205; p. 944.
- Strickler, William H., assignor to Federal Construction Company, Chicago, Ill. Amusement device for use in pleasure-parks. No. 1,094,948; Apr. 28; Gaz. vol. 201; p. 1100.
- Strietelmeier, John E., assignor to The Ideal Wheel Company, Cincinnati, Ohio. Nut-lock. No. 1,084,566; Jan. 13; Gaz. vol. 198; p. 463.
- Strimban, Louis, New York, N. Y. Dish-washing machine. No. 1,086,626; Feb. 10; Gaz. vol. 199; p. 412.
- Stringer, Charles C. (See Ratcliffe, William A., assignor.)
- Stringfellow, Robinson L., Shreveport, La. Pipe-wrench. No. 1,093,496; Apr. 14; Gaz. vol. 201; p. 502.
- Stringham, Albert W. (See Gordon and Stringham.)
- Stringham, Fred, Denver, Colo. Amalgamator. No. 1,113,065; Oct. 6; Gaz. vol. 207; p. 225.
- Strippel, Albert E., assignor of one-half to M. E. Wallace, New York, N. Y. Stencil fabric and producing the same. No. 1,092,509; Apr. 7; Gaz. vol. 201; p. 134.
- Strite, Charles P., assignor to Cedar Rapids Foundry and Machine Company, Cedar Rapids, Iowa. Governor-pulley device. No. 1,109,877; Sept. 8; Gaz. vol. 206; p. 401.
- Strite, Frank S., Seattle, Wash. Rotary compressor. No. 1,117,461; Nov. 17; Gaz. vol. 208; p. 775.
- Strite, George T., Minneapolis, Minn. Connecting-rod. No. 1,092,118; Mar. 31; Gaz. vol. 200; p. 1344.
- Stritzel, Friedrich G., Washington, D. C. Flume-cleaning apparatus. No. 1,110,408; Sept. 15; Gaz. vol. 206; p. 631.
- Stritzel, John J., Elma, Iowa. Compound cushion-heel. No. 1,106,985; Aug. 11; Gaz. vol. 205; p. 532.
- Strobel, Andrew, St. Louis, Mo. Car-truck frame. No. 1,098,463; June 2; Gaz. vol. 203; p. 37.
- Strobel, Christopher J. (See Mellinger, Harrigan, Coppage, McDowell, Vedder, and Strobel.)
- Strobel, William H., assignor of one-fourth to M. Kallis and one-fourth to M. Dane, Chicago, Ill. Trousers-pocket. No. 1,116,643; Nov. 10; Gaz. vol. 208; p. 449.
- Strobl, Alexander, New York, assignor to S. Sternau & Company, Brooklyn, N. Y. Lamp. No. 1,096,069; May 12; Gaz. vol. 202; p. 341.
- Strobot, John J. (See Sutton, Robert J., assignor.)
- Ströh, Detlef. (See Müller-Deutschmann and Ströh.)
- Strobbach, Fritz, Charlottenburg, Germany, assignor to General Electric Company. Means for separating gases from liquids. No. 1,095,478; May 5; Gaz. vol. 202; p. 105.
- Strohecker, Henry E., Enon, Pa., assignor to C. F. Adamson, East Palestine, Ohio. Accelerator for automobile engines. No. 1,097,566; May 19; Gaz. vol. 202; p. 898.

Alphabetical list of patentees—Continued.

- Strohmenger, Arthur P., assignor to Ester and Company, Limited, Westminster, London, England. Electric fusion of metals. No. 1,085,951; Feb. 3; Gaz. vol. 199; p. 133.
- Strom, Eugene N., assignor to Pettibone Mulliken Company, Chicago, Ill. Guard-rail wedge device. No. 1,121,304; Dec. 15; Gaz. vol. 209; p. 920.
- Strom, Eugene N., assignor to Pettibone Mulliken Company, Chicago, Ill. Cast-metal railway-crossing. No. 1,121,305; Dec. 15; Gaz. vol. 209; p. 921.
- Ström, Olaus, Fertile, Minn. Horse-detacher. No. 1,086,412; Feb. 10; Gaz. vol. 199; p. 335.
- Stromberg-Carlson Telephone Manufacturing Company. (See Birsfield, Jules A., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Bradbury, Clifford C., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Clausen, Henry P., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Hague, Charles E., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Levis, John H., Jr., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Webster, Harry G., assignor.) (Reissue.)
- Stromberg Motor Devices Company. (See Bessom and Anderson, assignors.)
- Stromberg Motor Devices Company. (See Frey, Herbert H., assignor.)
- Stromberg Motor Devices Company. (See Goldberg, John S., assignor.)
- Stromberg Motor Devices Company. (See Goldberg and Tillotson, assignors.)
- Stromberg Motor Devices Company. (See Stamps, Nathaniel C., assignor.)
- Stromborg, Fritz O., Seattle, Wash. Self-cleaning screen. No. 1,100,793; June 23; Gaz. vol. 203; p. 965.
- Stromeyer, Julius, Philadelphia, Pa. Vehicle-tire. No. 1,088,845; Mar. 3; Gaz. vol. 200; p. 59.
- Strong, Arba R., Leesville, La. Ditching-machine. No. 1,090,247; Mar. 17; Gaz. vol. 200; p. 630.
- Strong Arm Manufacturing Company, The. (See Armstrong, William P., assignor.)
- Strong, Charles E., Amityville, N. Y. Packing. No. 1,086,240; Feb. 3; Gaz. vol. 199; p. 233.
- Strong, Charles E., Amityville, N. Y. Packing. No. 1,087,516; Feb. 17; Gaz. vol. 199; p. 770.
- Strong, Elisha E., Paris, France, assignor to Underwood Typewriter Co., New York, N. Y. Type-writing machine. No. 1,099,134; June 2; Gaz. vol. 203; p. 260.
- Strong, Elisha E., Paris, France, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,106,424; Aug. 11; Gaz. vol. 205; p. 333.
- Strong, Frederick A., Bridgeport, Conn., assignor to American Chain Company, Sherrill, N. Y. Pawl-and-ratchet mechanism. No. 1,088,043; Feb. 24; Gaz. vol. 199; p. 1001.
- Strong, James B. (See Banker and Strong.)
- Strong, James B. (See Davidson and Strong.)
- Strong, James B., Ramapo, N. Y. Switch-stand. No. 1,097,996; May 26; Gaz. vol. 202; p. 1097.
- Strong, Ripley, Yarnborough, England. Tire construction. No. 1,117,530; Nov. 17; Gaz. vol. 208; p. 798.
- Strong, Sebert H., Binghamton, N. Y. Picture-exhibition device. No. 1,084,666; Jan. 20; Gaz. vol. 198; p. 524.
- Strong, Walter W., *et al.* (See Spencer, Charles R., assignor.)
- Strong, William W., Mechanicsburg, Pa. Collecting particles present in an ionized medium. No. 1,096,765; May 12; Gaz. vol. 202; p. 576.
- Strong, William W., assignor to R. B. Mellon, Pittsburgh, Pa. Automatic regulating apparatus for electrical precipitation systems. No. 1,120,560; Dec. 8; Gaz. vol. 209; p. 613.
- Strong, William W., Pittsburgh, and A. F. Nesbit, Wilkesburg, assignors to R. B. Mellon, Pittsburgh, Pa. Means for removing particles of suspended matter from bodies of fluid and the like. No. 1,117,531; Nov. 17; Gaz. vol. 208; p. 799.
- Strong, William W., Pittsburgh, and A. F. Nesbit, Wilkesburg, assignors to R. B. Mellon, Pittsburgh, Pa. Means for removing particles of suspended matter from bodies of gas or fluid. No. 1,119,469; Dec. 1; Gaz. vol. 209; p. 196.
- Strong, William W., Pittsburgh, and A. F. Nesbit, Wilkesburg, assignors to R. B. Mellon, Pittsburgh, Pa. Separating finely-divided particles of solids or liquids from a gas. No. 1,120,561; Dec. 8; Gaz. vol. 209; p. 613.
- Strongson, Herman, New York, N. Y. Non-skid tire-shoe. No. 1,083,869; Jan. 6; Gaz. vol. 198; p. 199.
- Strosacker, Charles J. (See Griswold and Strosacker.)
- Strosacker, Charles J., assignor, by *mesne assignments*, to The Dow Chemical Company, Midland, Mich. Making carbon tetrachlorid. No. 1,121,880; Dec. 22; Gaz. vol. 209; p. 1158.
- Strosser, Frank, Cleveland, Ohio. Trolley. No. 1,122,815; Dec. 29; Gaz. vol. 209; p. 1520.
- Strother, Robert H., Montclair, N. J., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,116,156; Nov. 3; Gaz. vol. 208; p. 236.
- Stroud, Edward A., Spring Lake, N. J. Stone-splitting machine. No. 1,117,926; Nov. 17; Gaz. vol. 208; p. 936.
- Stroud, James H., Mabel, Minn. Rain-annunciator. No. 1,109,481; Sept. 1; Gaz. vol. 206; p. 220.
- Stroud, Lewis. (See Crookes and Stroud.)
- Stroud, Thomas F., Omaha, Nebr. Grading-machine. No. 1,101,766; June 30; Gaz. vol. 203; p. 1352.
- Stroud, William. (See Barr and Stroud.)
- Stroup, Rena B., Homeworth, Ohio. Fastening for over-shoes. No. 1,089,510; Mar. 10; Gaz. vol. 200; p. 334.
- Stroupe, Frank, *et al.* (See Taylor, Nicholas, assignor.)
- Strouse, Jay S., assignor of one-half to C. E. Trace, Baltimore, Md. Carbureting apparatus for internal-combustion engines. No. 1,091,600; Mar. 31; Gaz. vol. 200; p. 1166.
- Strouse, Moses A., *et al.* (See Harnishfeger, Alexander, assignor.)
- Strout, Adele T. (See Strout, Edwin A. and A. T.)
- Strout, Edwin A. and A. T., New York, N. Y. Mending-patch. No. 1,121,881; Dec. 22; Gaz. vol. 209; p. 1159.
- Strout, Harry W., Haverhill, Mass. Bilge-water-pumping device. No. 1,097,890; May 26; Gaz. vol. 202; p. 1058.
- Strozier, Webster G., assignor of one-half to C. C. Sinclair, Washington, D. C. Machine for cutting dovetail grooves. No. 1,085,390; Jan. 27; Gaz. vol. 198; p. 811.
- Strozier, Webster G., assignor of one-half to C. C. Sinclair, Washington, D. C. Dovetail-tool. No. 1,095,041; Apr. 28; Gaz. vol. 201; p. 1131.
- Strub, Pius M. (See Hogan, Hugh J., assignor.)
- Struble, Jacob B., Wilkesburg, assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway signaling system. No. 1,088,246; Feb. 24; Gaz. vol. 199; p. 1069.
- Struble, Jacob B., New York, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway signaling. No. 1,092,459; Apr. 7; Gaz. vol. 201; p. 116.
- Struble, Jacob B., San Francisco, Cal., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway signaling. No. 1,092,460; Apr. 7; Gaz. vol. 201; p. 117.
- Struble, Robert D., assignor to The Post-Haste Card Systems Company, Inc., Buffalo, N. Y. Filing device. No. 1,090,089; Mar. 10; Gaz. vol. 200; p. 533.
- Struck, Karl W. (See Lanphier and Struck.)
- Struensee, Louis C., Oshkosh, Wis. Equalizer-holder. No. 1,102,815; July 7; Gaz. vol. 204; p. 207.
- Struever, Henry F., Faulkton, S. D. Oil-can. No. 1,092,305; Apr. 7; Gaz. vol. 201; p. 64.
- Strupler, Albert, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Color-lake and making same. No. 1,085,178; Jan. 27; Gaz. vol. 198; p. 737.
- Strupp, Theodor J., Elkton, S. D. Running-gear. No. 1,094,492; Apr. 28; Gaz. vol. 201; p. 938.
- Struve, Herman J., Deshler, Nebr. Broom. No. 1,115,255; Oct. 27; Gaz. vol. 207; p. 1134.
- Struve, Georg von. (See Decker, Wilhelm, assignor.)
- Strzenciwlk, Andrew, Buffalo, N. Y. Hat-pin-point protector. No. 1,103,704; July 14; Gaz. vol. 204; p. 565.
- Stuart American Products Company. (See Stuart, Charles V., assignor.)
- Stuart, Charles V., Fort Worth, Tex. Apparatus for generating and carbureting hydrogen. No. 1,085,366; Jan. 27; Gaz. vol. 198; p. 802.
- Stuart, Charles V., Memphis, Tenn. Apparatus for carbureting air. No. 1,102,702; July 7; Gaz. vol. 204; p. 167.
- Stuart, Charles V., Memphis, Tenn. Burner. No. 1,112,234; Sept. 29; Gaz. vol. 206; p. 1346.
- Stuart, Charles L., Omaha, Nebr. Composing-stick. No. 1,114,550; Oct. 20; Gaz. vol. 207; p. 833.
- Stuart, Charles V., assignor to Stuart American Products Company, Memphis, Tenn. Carbureting air. No. 1,102,701; July 7; Gaz. vol. 204; p. 167.
- Stuart, Henry J. (See Russ and Stuart.)
- Stuart, Henry J., assignor to The R. N. Bassett Company, Derby, Conn. Tab-end button. No. 1,101,970; June 30; Gaz. vol. 203; p. 1425.
- Stuart, Henry J., assignor to The R. N. Bassett Company, Derby, Conn. Tab-end button. No. 1,101,971; June 30; Gaz. vol. 203; p. 1425.
- Stuart, Henry J., assignor to The Robert-N. Bassett Company, Derby, Conn. Tab end. No. 1,112,396; Sept. 29; Gaz. vol. 206; p. 1402.
- Stuart, John, Saugatuck, Conn., assignor to C. Wooster, Newark, N. J. Button. No. 1,105,110; July 28; Gaz. vol. 204; p. 1138.
- Stuart, John, Saugatuck, Conn., assignor of one-half to C. Wooster, Newark, N. J. Button. No. 1,105,111; July 28; Gaz. vol. 204; p. 1138.
- Stuart, Joseph, assignor to Lobdell Car Wheel Company, Wilmington, Del. Hardening the flanges of cast-steel wheels. No. 1,102,816; July 7; Gaz. vol. 204; p. 208.
- Stuart, Ollie L., Tampa, Fla. Bag-closure. No. 1,114,934; Oct. 27; Gaz. vol. 207; p. 1020.
- Stuart, Robert M., Los Angeles, Cal. Whistle. No. 1,116,756; Nov. 10; Gaz. vol. 208; p. 488.
- Stuart, William J., Portland, Conn. Telephone attachment. No. 1,084,239; Jan. 13; Gaz. vol. 198; p. 357.

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- Stub, Hans. (See Qviller and Stub.)
- Stubblebine, Winfred A., Allentown, Pa. Recuperator-furnace. No. 1,111,414; Sept. 22; Gaz. vol. 206; p. 1025.
- Stubbs, Ellen M. J., Philadelphia, Pa. Portable washtub. No. 1,107,862; Aug. 18; Gaz. vol. 205; p. 890.
- Stuber, Joseph, and H. G. Kuck, Peoria, Ill. Hose-connector. No. 1,101,818; June 30; Gaz. vol. 203; p. 1371.
- Stuber, Joseph, and H. G. Kuck, Peoria, Ill. Hose-coupling. No. 1,101,819; June 30; Gaz. vol. 203; p. 1371.
- Stuck, Everett, Syracuse, assignor to Art Metal Construction Company, Jamestown, N. Y. Base-lock for horizontal units. No. 1,109,086; Sept. 1; Gaz. vol. 206; p. 81.
- Stuck, Everett, assignor to O. M. Edwards, Syracuse, N. Y. Follower mechanism for filing-cabinets. No. 1,116,757; Nov. 10; Gaz. vol. 208; p. 488.
- Stucki, Arnold, Pittsburgh, Pa. Roller side bearing. No. 1,093,953; Apr. 21; Gaz. vol. 201; p. 697.
- Stucki, Arnold, Pittsburgh, Pa. Roller side bearing. No. 1,096,472; May 12; Gaz. vol. 202; p. 478.
- Stucki, Arnold, Pittsburgh, Pa. Roller side bearing. No. 1,096,473; May 12; Gaz. vol. 202; p. 478.
- Stücki, Willy, assignor to Küng, Sigg & Cie., Biel, Switzerland. Insole. No. 1,106,986; Aug. 11; Gaz. vol. 205; p. 532.
- Stucklé, Henry W. de, Paris, France. Producing pure zinc oxid. No. 1,118,894; Nov. 24; Gaz. vol. 208; p. 1313.
- Stucklé, Henry W. de, Paris, France. Purifying liquids which contain colloidal silicic acid as an impurity. No. 1,118,895; Nov. 24; Gaz. vol. 208; p. 1313.
- Studebaker Corporation, The. (See Brownlee, Joseph P., assignor.)
- Studebaker Corporation, The. (See Kelley, George B., assignor.)
- Studebaker Corporation, The. (See MacGlashan, William, assignor.)
- Studebaker, Enoch H., Waverly, assignor of one-half to J. L. Birdsong, Kenbridge, Va. Wagon-rack. No. 1,108,942; Sept. 1; Gaz. vol. 206; p. 30.
- Studer, Werner, Cedar Vale, Kans. Conveyer-apron. No. 1,087,848; Feb. 17; Gaz. vol. 199; p. 885.
- Studiengesellschaft für drahtlose Grubentelefonie m. b. H. (See Reineke, Josef H., assignor.)
- Stuebner, Ruben, Millvale, Pa. Rail-joint. No. 1,109,482; Sept. 1; Gaz. vol. 206; p. 220.
- Stuewe, Oscar H. (See Marquardt and Stuewe.)
- Stuewe, Oscar H., Milwaukee, Wis. Woven-wire mattress. No. 1,119,999; Dec. 8; Gaz. vol. 209; p. 414.
- Stuhr, Herman F. (See Weil and Stuhr.)
- Stukalo-Coylo, Nicholas, Hartford, Conn. Safety device for punches. No. 1,118,698; Nov. 24; Gaz. vol. 208; p. 1248.
- Stukart, Hendrik, assignor to U. S. Slicing Machine Company, Chicago, Ill. Slicing-machine. No. 1,106,591; Aug. 11; Gaz. vol. 205; p. 396.
- Stull, Emmett W., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Brush-holder. No. 1,101,218; June 23; Gaz. vol. 203; p. 1115.
- Stull, Emmett W., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Gear-case construction. No. 1,105,219; July 28; Gaz. vol. 204; p. 1176.
- Stull, Emmett W., Wilkesburg, Pa., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Circuit-breaker. No. 1,116,348; Nov. 3; Gaz. vol. 208; p. 300.
- Stull, Henry L., Girard, Ohio. Boiler-patch. No. 1,096,070; May 12; Gaz. vol. 202; p. 341.
- Stull, Jacob H., Fremont, Ohio. Duplex clutch. No. 1,111,681; Sept. 22; Gaz. vol. 206; p. 1118.
- Stull, James C. (See Omer and Stull.)
- Stull, James R., Los Angeles, Cal. Anvil attachment. No. 1,088,742; Mar. 3; Gaz. vol. 200; p. 25.
- Stull, Ray T., Urbana, Ill. Ceramic process and machine. No. 1,096,648; May 12; Gaz. vol. 202; p. 538.
- Stuller, William L., Detroit, Mich. Engine-starter. (Re-issue.) No. 13,681; Jan. 27; Gaz. vol. 198; p. 875.
- Stults, Delos B. (See Carter and Stults.)
- Stults, Delos B., Waverly, Ill. Rail-fastener. No. 1,120,000; Dec. 8; Gaz. vol. 209; p. 414.
- Stumpf, Alfred G. (See Maerz, Aloys, assignor.)
- Stungo, Josef, Berlin, assignor of one-half to W. Schneider, Charlottenburg, Germany. Pneumatic tire. No. 1,106,748; Aug. 11; Gaz. vol. 205; p. 450.
- Stupar, Gottfried, Chicago, Ill. Electric permutation-lock switch. No. 1,098,852; June 2; Gaz. vol. 203; p. 163.
- Stupar, Gottfried, Chicago, Ill. Permutation electric switch. No. 1,118,699; Nov. 24; Gaz. vol. 208; p. 1248.
- Stupian, Charles, assignor to C. Petrillo, Buffalo, N. Y. Pastry-baking machine. No. 1,119,548; Dec. 1; Gaz. vol. 209; p. 224.
- Sturdevant, Nelson, Detroit, Mich. Wind-shield joint. No. 1,107,863; Aug. 18; Gaz. vol. 205; p. 890.
- Sturdy Smokeless Furnace Company. (See Shoemaker, Frank A., assignor.)
- Sturgeon, John C., Erie, Pa. Motor-vehicle driving mechanism. No. 1,105,165; July 28; Gaz. vol. 204; p. 1156.
- Sturgis, Albert, Griffin, Ind. Seasoning attachment for meat-chopping machines. No. 1,110,515; Sept. 15; Gaz. vol. 206; p. 670.
- Sturgis, Herbert M., Kansas City, Mo. Roll-holder for toilet-paper. No. 1,096,071; May 12; Gaz. vol. 202; p. 341.
- Sturgis Steel Go-Cart Co. (See Spofford, Christopher S., assignor.)
- Sturgis Steel Go-Cart Co. (See Spofford and Henry, assignors.)
- Sturgis Steel Go-Cart Company. (See Cleveland, Grover E., assignor.)
- Sturgis Steel Go-Cart Company. (See Spofford and Jonas, assignors.)
- Sturgis, Stewart B. (See Rector, William G., assignor.)
- Sturgiss, Wilbur R., assignor of one-half to R. D. White, Conway, Ark. Cultivator attachment. No. 1,107,864; Aug. 18; Gaz. vol. 205; p. 891.
- Sturman, Robert E., Franklin township, Wright county, Minn. Tire. No. 1,093,034; Apr. 21; Gaz. vol. 201; p. 724.
- Sturrock, Alexander, South Melbourne, Melbourne, Victoria, Australia. Wire-bound box. No. 1,086,241; Feb. 3; Gaz. vol. 199; p. 233.
- Sturrock, Robert F., Dundee, Scotland. Furnace for boilers. No. 1,103,098; July 14; Gaz. vol. 204; p. 351.
- Sturtevant, Albert A., Hartland, Vt., and W. H. Honiss, Hartford, Conn. Pamphlet-stitching machine. No. 1,114,063; Oct. 20; Gaz. vol. 207; p. 658.
- Sturtevant, Charles L., trustee. (See Carroll, Fred M., assignor.)
- Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)
- Sturtevant Mill Company. (See Sturtevant, Thomas L. and T. J., assignors.)
- Sturtevant, Thomas J. (See Sturtevant, Thomas L. and T. J.)
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Screen. No. 1,087,994; Feb. 24; Gaz. vol. 199; p. 983.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Rotary fan. No. 1,087,995; Feb. 24; Gaz. vol. 199; p. 983.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Crushing-mill. No. 1,092,185; Apr. 7; Gaz. vol. 201; p. 21.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Crushing-mill. No. 1,105,712; Aug. 4; Gaz. vol. 205; p. 45.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Crushing-mill. No. 1,107,373; Aug. 18; Gaz. vol. 205; p. 716.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Screen or separator. No. 1,111,044; Sept. 22; Gaz. vol. 206; p. 897.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Screen or separator. No. 1,116,512; Nov. 10; Gaz. vol. 208; p. 399.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Crushing-mill. No. 1,119,126; Dec. 1; Gaz. vol. 209; p. 79.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Crushing or pulverizing mill. No. 1,120,250; Dec. 8; Gaz. vol. 209; p. 502.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Crushing-mill. No. 1,122,552; Dec. 29; Gaz. vol. 209; p. 1426.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Mixing-machine. No. 1,122,659; Dec. 29; Gaz. vol. 209; p. 1465.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Mixing-machine. No. 1,122,660; Dec. 29; Gaz. vol. 209; p. 1466.
- Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass., assignors to Sturtevant Mill Company. Crushing-mill. No. 1,083,951; Jan. 13; Gaz. vol. 198; p. 257.
- Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass., assignors to Sturtevant Mill Company. Crushing-machine. No. 1,105,713; Aug. 4; Gaz. vol. 205; p. 45.
- Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass., assignors to Sturtevant Mill Company. Millstone. No. 1,111,043; Sept. 22; Gaz. vol. 206; p. 897.
- Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass., assignors to Sturtevant Mill Company. Screen or separator. No. 1,114,064; Oct. 20; Gaz. vol. 207; p. 658.
- Stuth, Edward C., Minneapolis, Minn. Clothes-washing device. No. 1,087,150; Feb. 17; Gaz. vol. 199; p. 641.
- Stütting, Heinrich, Witten-on-the-Ruhr, Germany. Feed mechanism for tube-rolling mills. No. 1,092,084; Mar. 31; Gaz. vol. 200; p. 1331.
- Stutsman, Henry. (See Crouch and Stutsman.)
- Stutz, William H., Toledo, Ohio, assignor, by mesne assignments, to E. L. Ackerman, Detroit, Mich. Impulse-pump. No. 1,092,873; Apr. 14; Gaz. vol. 201; p. 292.

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- Stützer, Rudolf, assignor to Firm of C. Zeiss, Jena, Germany. Telemeter. No. 1,100,850; June 23; Gaz. vol. 203; p. 985.
- Stuver, Stephen T., Tacoma, Wash. Shredding-machine. No. 1,114,411; Oct. 20; Gaz. vol. 207; p. 783.
- Styche, George F., San Francisco, Cal. Shoe for roof-walking. No. 1,107,208; Aug. 11; Gaz. vol. 205; p. 610.
- Styll, Harry H., Southbridge, Mass. Watchmaker's loupe. No. 1,098,413; June 2; Gaz. vol. 203; p. 20.
- Styll, Harry H., Southbridge, Mass. Ophthalmic mounting. No. 1,103,449; July 14; Gaz. vol. 204; p. 472.
- Styll, Harry H., assignor to American Optical Company, Southbridge, Mass. Goggles. No. 1,105,714; Aug. 4; Gaz. vol. 205; p. 46.
- Suarez, Ramon, Chicago, Ill. Cigar-making device. No. 1,108,273; Aug. 25; Gaz. vol. 205; p. 1080.
- Subert, Max, assignor to Farm Products Distributing Company, New York, N. Y. Shipping-crate. No. 1,106,011; Aug. 4; Gaz. vol. 205; p. 148.
- Submarine Signal Company. (See Fessenden, Reginald A., assignor.)
- Submarine Signal Company. (See Hill and Abell, assignors.)
- Submarine Signal Company. (See Wood, Edward C., assignor.)
- Submarine Wireless Company. (See Berger, Christian, assignor.)
- Success Nailless Horseshoe Company, The. (See Hale, John A., assignor.)
- Such, Michael, St. Benedict, Pa. Rail-joint. No. 1,117,532; Nov. 17; Gaz. vol. 208; p. 799.
- Suchla, Thomas, Courtenay, N. D., assignor to J. Smieja, Royalton, Minn. Hame-connector. No. 1,083,870; Jan. 6; Gaz. vol. 198; p. 199.
- Sudekum, William, Nashville, Tenn. Metallic packing. No. 1,118,314; Nov. 24; Gaz. vol. 208; p. 1111.
- Sudfeldt & Co. (See Meyer, Frans M., assignor.)
- Sudor, A. (See Johnson, Richard, assignor.)
- Sudre, Charles, Renazé, France. Machine for cleaving slate-blocks and the like. No. 1,084,827; Jan. 20; Gaz. vol. 198; p. 582.
- Sudre, Charles, Renazé, France. Apparatus for splitting slate blocks and the like. No. 1,094,177; Apr. 21; Gaz. vol. 201; p. 774.
- Suelzen, Herman J., Chicago, Ill. Automatically-operating oiler for die-stocks. No. 1,086,479; Feb. 10; Gaz. vol. 199; p. 359.
- Suelzen, Herman J., Chicago, Ill. Oiling device for die-stocks. No. 1,086,480; Feb. 10; Gaz. vol. 199; p. 360.
- Suelzen, Herman J., Chicago, Ill. Automatic-oiling multiple-die stock. No. 1,089,447; Mar. 10; Gaz. vol. 200; p. 311.
- Sugar Centrifugal Discharger Company. (See Roberts and Gibson, assignors.)
- Sugden, Albert, Stratford, Ontario, Canada. Airship. No. 1,099,827; June 9; Gaz. vol. 203; p. 542.
- Suggitt, John, Minneapolis, Minn. Side-ballast unloading-plov. No. 1,088,846; Mar. 3; Gaz. vol. 200; p. 59.
- Suggs, Theophilus W., Arba, N. C. Planter. No. 1,089,286; Mar. 3; Gaz. vol. 200; p. 209.
- Suggs, Theophilus W., Arba, assignor of one-half to W. D. Mewborn, Jason, N. C. Planter. No. 1,097,064; May 19; Gaz. vol. 202; p. 726.
- Suggs, Theophilus W., Arba, assignor of one-half to H. F. Hardy, Jason, N. C. Sheet-metal-cutting machine. No. 1,115,347; Oct. 27; Gaz. vol. 207; p. 1163.
- Suhr, Charles A., Chicago, Ill. Earth-auger. No. 1,106,425; Aug. 11; Gaz. vol. 205; p. 333.
- Suhr, Charles L., Oil City, Pa. Distillate-condenser and steam-generator. No. 1,122,169; Dec. 22; Gaz. vol. 209; p. 1256.
- Suit, Harry F., Washington, D. C. Bottle-closure. No. 1,101,351; June 23; Gaz. vol. 203; p. 1159.
- Suits, Bert C., Indianapolis, Ind., assignor of one-half to J. Lederer, New York, N. Y. Automatic safety-gate for railway-crossings. No. 1,116,157; Nov. 3; Gaz. vol. 208; p. 236.
- Suits, Hiram R., Escanaba, Mich. Currycomb. No. 1,121,687; Dec. 22; Gaz. vol. 209; p. 1090.
- Sukup, John, Cudahy, Wis. Padlock. No. 1,089,981; Mar. 10; Gaz. vol. 200; p. 496.
- Sulfer, Charles, Chicago, Ill. Cash-register. No. 1,095,151; Apr. 28; Gaz. vol. 201; p. 1168.
- Sullivan, Albert W., Poughkeepsie, N. Y., and W. Renshaw, Chicago, Ill. Railway-car. No. 1,090,174; Mar. 17; Gaz. vol. 200; p. 604.
- Sullivan, Antonio, Bridgeport, Conn. Filter. No. 1,084,978; Jan. 20; Gaz. vol. 198; p. 631.
- Sullivan, Charles F., Des Moines, Iowa. Centrifugal switch. No. 1,122,332; Dec. 29; Gaz. vol. 209; p. 1353.
- Sullivan, Frank A. (See Stout and Sullivan.)
- Sullivan, Hiram E., Coaticook, Quebec, Canada. Check-valve. No. 1,094,267; Apr. 21; Gaz. vol. 201; p. 802.
- Sullivan, James A., Victoria, British Columbia, Canada. Automatic ship's-telegraph alarm. No. 1,099,673; June 9; Gaz. vol. 203; p. 490.
- Sullivan, James C., New York, N. Y. Lock. No. 1,084,502; Jan. 13; Gaz. vol. 198; p. 439.
- Sullivan, James E., Denver, Colo. Pipe-threading machine. No. 1,099,215; June 9; Gaz. vol. 203; p. 332.
- Sullivan, James H. (See Ackerman and Sullivan.)
- Sullivan, John G., et al. (See Motley, Phillips B., assignor.)
- Sullivan, John J., Parsons, Pa. Draft device and spark-arrester. No. 1,105,466; July 28; Gaz. vol. 204; p. 1265.
- Sullivan, Joseph T., et al., executors. (See Turnbull, Walter J.)
- Sullivan Machinery Company. (See Ball, Albert and F. A., assignors.)
- Sullivan Machinery Company. (See Ball and Mercer, assignors.)
- Sullivan Machinery Company. (See Ball and Officer, assignors.)
- Sullivan Machinery Company. (See Gilman, George H., assignor.)
- Sullivan Machinery Company. (See Gilman and Knights, assignors.)
- Sullivan Machinery Company. (See Willey, Frank E., assignor.)
- Sullivan, Patrick T., and F. Judge, Greenfield, Mass., assignors to Wells Brothers Company. Pipe threading and reaming device. No. 1,096,809; May 12; Gaz. vol. 202; p. 592.
- Sullivan, Warren R., Muskogee, Okla. Horse-hitching device. No. 1,120,422; Dec. 8; Gaz. vol. 209; p. 563.
- Sullivan, Wilkin L., Jackson, Miss. Hay-press. No. 1,105,007; July 28; Gaz. vol. 204; p. 1101.
- Sulman, Henry L., and H. F. K. Picard, assignors to The Madagascar Minerals Syndicate Limited, London, England. Recovery of nickel from its ores. No. 1,091,545; Mar. 31; Gaz. vol. 200; p. 1147.
- Sult, William F. (See Smith and Sult.)
- Sultemeyer, Charles F., New York, assignor, by mesne assignments, to Globe Ball Bearing Co., Brooklyn, N. Y. Antifriction-bearing. No. 1,121,208; Dec. 15; Gaz. vol. 209; p. 888.
- Sulzbacher, Jerome, New York, N. Y. Alarm-cable. No. 1,109,878; Sept. 8; Gaz. vol. 206; p. 401.
- Sulzer, Georg, Harrison, N. J., assignor to Henry B. Worthington, New York, N. Y. Centrifugal turbine, and similar pump. No. 1,118,070; Nov. 24; Gaz. vol. 208; p. 1028.
- Sulzer, Jakob, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Combustion-engine. No. 1,097,567; May 19; Gaz. vol. 202; p. 898.
- Sulzer, Robert, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Heating apparatus. No. 1,083,343; Jan. 6; Gaz. vol. 198; p. 28.
- Sumbler, Paul, assignor of fifty one-hundredths to himself, thirty-three and one-third one-hundredths to M. J. Clow, and sixteen and two-thirds one-hundredths to C. F. Hunter, Plattsburg, N. Y. Gas-engine. No. 1,101,352; June 23; Gaz. vol. 203; p. 1159.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Hopper-door mechanism. No. 1,097,951; May 26; Gaz. vol. 202; p. 1081.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Dumping-car door. No. 1,109,603; Sept. 1; Gaz. vol. 206; p. 261.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Car end construction. No. 1,109,604; Sept. 1; Gaz. vol. 206; p. 262.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Railway-car. No. 1,109,605; Sept. 1; Gaz. vol. 206; p. 262.
- Summerfield, Moses J. (See Davison, George J., assignor.)
- Summers, Edgar W., assignor to Summers Steel Car Company, Pittsburgh, Pa. Door-operating mechanism for dumping-cars. No. 1,095,241; May 5; Gaz. vol. 202; p. 23.
- Summers, Frank E., Memphis, Mo. Telephone system. No. 1,106,592; Aug. 11; Gaz. vol. 205; p. 397.
- Summers, Frank E., Memphis, Mo. Flying-machine. No. 1,114,201; Oct. 20; Gaz. vol. 207; p. 709.
- Summers, John, Maybrook, N. Y. Pilot or fender. No. 1,089,287; Mar. 3; Gaz. vol. 200; p. 210.
- Summers, Leland L., Chicago, Ill. Coking. No. 1,114,065; Oct. 20; Gaz. vol. 207; p. 659.
- Summers, Lewis E., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, Chicago, Ill. Pneumatic hammer. No. 1,115,985; Nov. 3; Gaz. vol. 208; p. 178.
- Summers, Rufus A., Opdyke, Ill. Basket-support. No. 1,100,851; June 23; Gaz. vol. 203; p. 985.
- Summers, Rufus A., Opdyke, Ill. Basket-holder. No. 1,101,583; June 30; Gaz. vol. 203; p. 1290.
- Summers Steel Car Company. (See Summers, Edgar W., assignor.)
- Summers, William T., Pasadena, Cal. Fruit-picker's bag. No. 1,097,374; May 19; Gaz. vol. 202; p. 834.
- Summerscales, Samuel H., Winnipeg, Manitoba, Canada. Traction-wheel. No. 1,095,943; May 5; Gaz. vol. 202; p. 261.
- Summerson, Thomas, Parsons, Pa. Non-refillable bottle. No. 1,120,860; Dec. 15; Gaz. vol. 209; p. 765.

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- Summey, David L., assignor to Chase Rolling Mill Co., Waterbury, Conn. Extrusion-machine. No. 1,109,535; Sept. 1; Gaz. vol. 206; p. 244.
- Sumner, Henry W. (See Gorman and Sumner.)
- Sumner Iron Works. (See Boyer, August, assignor.)
- Sumner, Orlando, London, England. Steam-generator. No. 1,109,483; Sept. 1; Gaz. vol. 206; p. 220.
- Sumner, Robert, Cowley Pechey, England. Curling-machine. No. 1,100,456; June 16; Gaz. vol. 203; p. 798.
- Sumner, William, assignor of one-half to H. Lodge, Liverpool, England. Audible alarm for motor-vehicles. No. 1,090,801; Mar. 17; Gaz. vol. 200; p. 819.
- Sumter Electrical Company. (See Mason, Charles T., assignor.)
- Sundberg, Per T., Stockholm, Sweden, assignor to Maskin- och Brobyggnads Aktiebolaget, Helsingfors; Finland. Means for supporting rapidly-rotating bodies. No. 1,113,712; Oct. 13; Gaz. vol. 207; p. 496.
- Sundby, Gudmund, Glöshaugen, near Trondhjem, Norway. Relief mechanism for water-motors. No. 1,109,153; Sept. 1; Gaz. vol. 206; p. 105.
- Sundby, Hans, Stoughton, Wis. Bolster-spring. No. 1,084,828; Jan. 20; Gaz. vol. 198; p. 582.
- Sundean, John M., Marshall, Minn. Shoe. No. 1,087,517; Feb. 17; Gaz. vol. 199; p. 770.
- Sundee, John R., assignor to Warner Jewelry Case Company, Buffalo, N. Y. Jewelry-box. No. 1,098,768; June 2; Gaz. vol. 203; p. 140.
- Sundeen, Bernhard. (See Edgecomb, Luther B., assignor.)
- Sundeen, Erik O., Spokane, Wash. Trousers. No. 1,119,661; Dec. 1; Gaz. vol. 209; p. 261.
- Sundel, Samuel, New York, N. Y. Portable burglar-alarm. No. 1,099,777; June 9; Gaz. vol. 203; p. 526.
- Sundell, Gustaf B., Stockholm, Sweden. Oil-cup. No. 1,110,836; Sept. 15; Gaz. vol. 206; p. 782.
- Sundell, Isak G., Helsingfors, Finland, Russia. Navigator's apparatus. No. 1,104,844; July 28; Gaz. vol. 204; p. 1046.
- Sunden, August J., Washington, D. C. Combination suspensory and protector. No. 1,106,987; Aug. 11; Gaz. vol. 205; p. 533.
- Sunderland, Charles C. (See Lee and Sunderland.)
- Sunderland, Charles C., Trenton, N. J., assignor to John A. Roebling's Sons Company. Rope-thimble. No. 1,121,306; Dec. 15; Gaz. vol. 209; p. 921.
- Sunderland, Sam, High Utley, Keighley, England. Gear-cutting tool. No. 1,090,350; Mar. 17; Gaz. vol. 200; p. 665.
- Sunderman, Frederick R., assignor to Sunderman Safety Carbureter Corporation, Newburgh, N. Y. Multiple-cylinder internal-combustion engine. No. 1,087,151; Feb. 17; Gaz. vol. 199; p. 642.
- Sunderman Safety Carbureter Corporation. (See Sunderman, Frederick R., assignor.)
- Sundh, August. (See Pearson and Sundh.)
- Sundh, August. (See Rennerfelt, Gustaf, assignor.)
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Contact-holder. No. 1,083,418; Jan. 6; Gaz. vol. 198; p. 54.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Combined friction and spur gearing for traction-elevators. No. 1,085,952; Feb. 3; Gaz. vol. 199; p. 133.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Variable-speed gearing. No. 1,095,479; May 5; Gaz. vol. 202; p. 106.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Differential-power-transmission mechanism. No. 1,099,472; June 9; Gaz. vol. 203; p. 422.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Adjustable transmission mechanism. No. 1,099,473; June 9; Gaz. vol. 203; p. 422.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Starting and controlling explosive-engines. No. 1,102,455; July 7; Gaz. vol. 204; p. 82.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Alternating-current electromagnetic switch. No. 1,105,311; July 28; Gaz. vol. 204; p. 1208.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Gear-pump. No. 1,105,312; July 28; Gaz. vol. 204; p. 1209.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Overload motor-controlling apparatus. No. 1,111,240; Sept. 22; Gaz. vol. 206; p. 966.
- Sundquist, John A., Georgetown, Conn. Toy wagon. No. 1,104,574; July 21; Gaz. vol. 204; p. 906.
- Sundquist, John A., Georgetown, Conn. Fruit-picker. No. 1,120,423; Dec. 8; Gaz. vol. 209; p. 564.
- Sundqvist, John, Georgetown, Conn. Toy. No. 1,091,171; Mar. 24; Gaz. vol. 200; p. 980.
- Sunlight Hat Co. (See Smith and Sult, assignors.)
- Sunvold, Herman H., Sacred Heart, Minn. Rear-axle truss. No. 1,108,812; Aug. 25; Gaz. vol. 205; p. 1265.
- Supan, Milton T., Red Bluff, Cal. Steering and propelling means for wagons. No. 1,116,644; Nov. 10; Gaz. vol. 208; p. 449.
- Superior Floor Oiler Co. (See Lichter, Ruben, assignor.)
- Superior Motor Specialty Company. (See Minogue, Martin T., assignor.)
- Superior Register Company, The. (See Leonard, Leon E., assignor.)
- Superior Toggle Company. (See Coughlin, Joseph D., assignor.)
- Suppes, Max M., Elyria, Ohio. Sanitary drinking-fountain. No. 1,121,149; Dec. 15; Gaz. vol. 209; p. 869.
- Supplee, Samuel G., New York, N. Y. Dental impression-tray. No. 1,083,509; Jan. 6; Gaz. vol. 198; p. 83.
- Supplee, Samuel G., East Orange, N. J. Dental impression-tray. No. 1,117,275; Nov. 17; Gaz. vol. 208; p. 709.
- Supplee, Samuel G., East Orange, N. J. Taking partial impressions for artificial dentures. No. 1,117,276; Nov. 17; Gaz. vol. 208; p. 710.
- Supplee, Samuel G., East Orange, N. J. Heating apparatus. No. 1,117,277; Nov. 17; Gaz. vol. 208; p. 710.
- Supreme Knitting Bobbin Company. (See Wardwell, Simon W., assignor.)
- Suraci, Stephen, New Haven, Conn. Ornamental shield. No. 1,088,480; Feb. 24; Gaz. vol. 199; p. 1147.
- Surbaugh, John S., Vincennes, Ind. Shovel, spade, and scoop. No. 1,083,952; Jan. 13; Gaz. vol. 198; p. 258.
- Surbaugh, John S., assignor of forty-nine one hundredths to H. P. Ridenour, Vincennes, Ind. Shovel. No. 1,085,642; Feb. 3; Gaz. vol. 199; p. 22.
- Surber, Harmon A., Sullivan, Mo. Saw-oiler. No. 1,090,951; Mar. 24; Gaz. vol. 200; p. 903.
- Surface, Walter M., Kingman, Kans. Oil-burner. No. 1,106,426; Aug. 11; Gaz. vol. 205; p. 334.
- Surmann, Johannes, Bremen, Germany. Knockdown box. No. 1,099,104; June 2; Gaz. vol. 203; p. 249.
- Surmann, Johannes, Holzhafen, Bremen, Germany. Collapsible packing. No. 1,121,947; Dec. 22; Gaz. vol. 209; p. 1182.
- Surmann, Johannes, Holzhafen, Bremen, Germany. Collapsible packing. No. 1,121,948; Dec. 22; Gaz. vol. 209; p. 1182.
- Surmann, Johannes, Holzhafen, Bremen, Germany. Collapsible packing. No. 1,121,949; Dec. 22; Gaz. vol. 209; p. 1182.
- Surratt, R. G. (See Keeney, John W., assignor.)
- Surdy Guard Company. (See Jones, Emerald E., assignor.)
- Suspension Bed Spring Manufacturing Company. (See Neadoff, Abraham S., assignor.)
- Süssis, Bernhard, New York, N. Y., assignor of one-half to L. Chrystal, Newark, N. J. Fire-escape. No. 1,103,850; July 14; Gaz. vol. 204; p. 612.
- Süsslin, Adolph, Gulfport, Miss. Lighting device for ovens. No. 1,089,982; Mar. 10; Gaz. vol. 200; p. 496.
- Sussman, Charles J., Corona, N. Y. Cloth-laying machine. No. 1,102,555; July 7; Gaz. vol. 204; p. 116.
- Sutcliffe, Frank, Conshohocken, Pa. Boiler-stand. No. 1,109,556; Sept. 1; Gaz. vol. 206; p. 244.
- Sutherland, Daniel M., Jr., Trenton, assignor to The Agasote Millboard Co., Ewing, N. J. Suction lifting apparatus. No. 1,110,409; Sept. 15; Gaz. vol. 206; p. 631.
- Sutherland, Franklin T. (See Bailey, James F., assignor.)
- Sutherland, Robert, Delia, Alberta, Canada. Rail-chair. No. 1,117,105; Nov. 10; Gaz. vol. 208; p. 609.
- Sutliff, Warren J., Schenectady, N. Y. Journal-box. No. 1,092,306; Apr. 7; Gaz. vol. 201; p. 64.
- Sutter, Charles F., Vanlue, Ohio. Runner end or crook for sleds. No. 1,121,950; Dec. 22; Gaz. vol. 209; p. 1183.
- Sutter, John H., Chicago, Ill. Laundry machinery. No. 1,092,605; Apr. 7; Gaz. vol. 201; p. 166.
- Sutter, Ole, Isanti, Minn. Bean-sorting belt. No. 1,085,179; Jan. 27; Gaz. vol. 198; p. 737.
- Sutton, Charles G., Cherrydale, Kans. Level attachment. No. 1,109,024; Sept. 1; Gaz. vol. 206; p. 60.
- Sutton, Charles H., Ohio City, Ohio. Lifting-jack. No. 1,104,328; July 21; Gaz. vol. 204; p. 818.
- Sutton, Frank G., Scranton, Pa. Reversible stove. No. 1,094,758; Apr. 28; Gaz. vol. 201; p. 1034.
- Sutton, Frank R., Texas City, Tex. Topping device for sugar-beets. No. 1,101,584; June 30; Gaz. vol. 203; p. 1291.
- Sutton, George C., I. W. Crowl, and J. O. Hamberg, Priest River, Idaho. Apparatus for burning stumps. No. 1,111,241; Sept. 22; Gaz. vol. 206; p. 966.
- Sutton, George C., I. W. Crowl, and J. O. Hamberg, Priest River, Idaho. Condenser. No. 1,111,242; Sept. 22; Gaz. vol. 206; p. 967.
- Sutton, Gramberry. (See Lee, James N., assignor.)
- Sutton, Henry. (See Fisher and Sutton.)
- Sutton, Henry M., W. L. and E. G. Steele, Dallas, Tex. Process and apparatus for sizing or classifying comminuted materials. No. 1,114,935; Oct. 27; Gaz. vol. 207; p. 1020.
- Sutton, Henry M., W. L. and E. G. Steele, Dallas, Tex. Electrical separation. No. 1,116,951; Nov. 10; Gaz. vol. 208; p. 556.
- Sutton, Henry M., W. L. and E. G. Steele, Dallas, Tex. Apparatus for sizing comminuted material. No. 1,119,662; Dec. 1; Gaz. vol. 209; p. 262.

Alphabetical list of patentees—Continued.

- Sutton, John P. (See Kelleher, Patrick H., assignor.)
 Sutton, John R. (See Sutton, Walter E., assignor.)
 Sutton, Raymond C., North Attleboro, Mass. Chicken-brooder. No. 1,091,900; Mar. 31; Gaz. vol. 200; p. 1271.
 Sutton, Raymond C., North Attleboro, Mass. Guard for feed-troughs. No. 1,100,927; June 23; Gaz. vol. 203; p. 1014.
 Sutton, Robert J., assignor of one-half to J. J. Strobt, Chicago, Ill. Bedstead and the like. No. 1,092,606; Apr. 7; Gaz. vol. 201; p. 167.
 Sutton, Simon S., Eldorado, Ill. Internal-combustion engine. No. 1,091,983; Mar. 31; Gaz. vol. 200; p. 1299.
 Sutton, Simon S., Eldorado, Ill. Internal-combustion engine. No. 1,111,682; Sept. 22; Gaz. vol. 206; p. 1119.
 Sutton, Simon S., Eldorado, Ill. Starter for internal-combustion engines. No. 1,111,683; Sept. 22; Gaz. vol. 206; p. 1119.
 Sutton, Walter E., assignor of forty-two one-hundredths to J. R. Sutton, Oakland, Cal. Creeper. No. 1,105,008; July 28; Gaz. vol. 204; p. 1102.
 Sutton, William S., Rockford, Ill. Internal-combustion engine. No. 1,103,325; July 14; Gaz. vol. 204; p. 431.
 Sutton, William S., Rockford, assignor to American Radiator Company, Chicago, Ill. Coupling. No. 1,088,847; Mar. 3; Gaz. vol. 200; p. 59.
 Sutton, William S., Rockford, assignor to American Radiator Company, Chicago, Ill. Service-outlet fitting for pneumatic cleaning systems. No. 1,096,278; May 12; Gaz. vol. 202; p. 413.
 Sutton, William S., Rockford, assignor to American Radiator Company, Chicago, Ill. Vacuum-cleaner. No. 1,109,639; Sept. 1; Gaz. vol. 206; p. 275.
 Suyehiro, Kyoji, Tokyo, Japan. Transmission-dynamometer for direct observation. No. 1,105,382; July 28; Gaz. vol. 204; p. 1237.
 Suzuki, Benjamin S., Seattle, Wash. Self-heating soldering-iron. No. 1,113,846; Oct. 13; Gaz. vol. 207; p. 544.
 Suzuki, Heishichi, Shibaku, Tokyo, Japan. Welding copper. No. 1,107,865; Aug. 18; Gaz. vol. 205; p. 891.
 Suzuki, Tozaburo, Sunamura, Tokyo, Japan. Making a food for fish or animals, and a seasoning. No. 1,083,769; Jan. 6; Gaz. vol. 198; p. 169.
 Svenson, Charles W., New Britain, assignor to The American Hardware Corporation, Hartford, Conn. Coaster-hub brake. No. 1,097,568; May 19; Gaz. vol. 202; p. 899.
 Svenson, Charles W., New Britain, assignor to The American Hardware Corporation, Hartford, Conn. Coaster-hub-brake. (Reissue.) No. 13,783; July 28; Gaz. vol. 204; p. 1313.
 Swafford, Mortimer H. (See Lane, William J., assignor.)
 Swaim, Cecil J., Montreal, Quebec, Canada. Attachment for type-writers. No. 1,106,120; Aug. 4; Gaz. vol. 205; p. 188.
 Swain, Benjamin O., and J. S. Timmons, Philadelphia, Pa. Device for reducing the insulating-strips of commutators. No. 1,116,158; Nov. 3; Gaz. vol. 208; p. 237.
 Swain, Charles W. (See Haynes, Venice L., assignor.)
 Swain, Edward S. (See Jones, Albert L., assignor.)
 Swain, Orlando. (See Timmins, James R., assignor.)
 Swain, Samuel, Grapeville, Pa. Rail-joint. No. 1,105,220; July 28; Gaz. vol. 204; p. 1176.
 Swainston, William H., Woodlawn, Mich. Saw-set. No. 1,088,941; Mar. 3; Gaz. vol. 200; p. 93.
 Swallow, Joseph G., New York, N. Y. Electric pocket-lamp. No. 1,119,663; Dec. 1; Gaz. vol. 209; p. 263.
 Swallow, William, Royton, England. Flame-spreader. No. 1,098,647; June 2; Gaz. vol. 203; p. 100.
 Swan, Alfred H. S., assignor to Rochester Stamping Company, Rochester, N. Y. Lamp-bracket. No. 1,088,848; Mar. 3; Gaz. vol. 200; p. 60.
 Swan, Henry R., Sr., Huntington, W. Va. Car-coupling. No. 1,120,562; Dec. 8; Gaz. vol. 209; p. 613.
 Swan, John B., Gladstone, Mich., assignor of one-half to C. F. Smith, Jr., Rhinelander, Wis. Sand-pipe used on railway-locomotives. No. 1,118,247; Nov. 24; Gaz. vol. 208; p. 1087.
 Swan, Julius F., Hoboken, N. J. Binder for loose music. No. 1,089,983; Mar. 10; Gaz. vol. 200; p. 497.
 Swanberg, Arthur W., Minneapolis, Minn. Increasing the efficiency of hydrocarbon liquids and the material for effecting such results. No. 1,092,461; Apr. 7; Gaz. vol. 201; p. 117.
 Swanberg, Arthur W., Minneapolis, assignor of one-third to G. W. Dayton and one-third to M. Normau, St. Paul, Minn. Water-motor. No. 1,096,203; May 12; Gaz. vol. 202; p. 385.
 Swane, Charles C., Bayonne, N. J., assignor to Houchin-Aiken Company, Brooklyn, N. Y. Soap amalgamating and mixing machine. No. 1,101,104; June 23; Gaz. vol. 203; p. 1074.
 Swank, Lafa, assignor to Dwiggins Wire Fence Company, Anderson, Ind. Fence-post and wire-tightener. No. 1,088,942; Mar. 3; Gaz. vol. 200; p. 93.
 Swank, Reuben B., Dayton, Ohio. Aeroplane. No. 1,089,880; Mar. 10; Gaz. vol. 200; p. 461.
 Swanson, Carl A. (See Hubbard and Swanson.)
 Swanson, Charles A., et al. (See Markham, Andrew J., assignor.)
 Swanson, Emil, Boone, Iowa. Nest. No. 1,089,984; Mar. 10; Gaz. vol. 200; p. 497.
 Swanson, Frank H., Chicago, Ill., assignor to A. J. Nystrom & Company, Map-holder. No. 1,092,607; Apr. 7; Gaz. vol. 201; p. 167.
 Swanson, Guss A., Seattle, Wash. Building-block. No. 1,097,148; May 19; Gaz. vol. 202; p. 755.
 Swanson, Gust, Rockford, Ill. Miter-box. No. 1,096,072; May 12; Gaz. vol. 202; p. 342.
 Swanson, Joseph, Kansas City, Kans. Lantern. No. 1,101,585; June 30; Gaz. vol. 203; p. 1291.
 Swanson, Nels, Muscatine, Iowa. Fracture-box. No. 1,089,801; Mar. 10; Gaz. vol. 200; p. 433.
 Swanson, Robert G., London, England. Depericarping-machine. No. 1,085,068; Jan. 20; Gaz. vol. 198; p. 661.
 Swanson, Starley S., Bellevue, Ohio. Harrow. No. 1,095,971; May 5; Gaz. vol. 202; p. 270.
 Swanson, Starley S., assignor to The Ohio Cultivator Company, Bellevue, Ohio. Cultivator. No. 1,104,329; July 21; Gaz. vol. 204; p. 818.
 Swanson, Starley S., assignor to The Ohio Cultivator Company, Bellevue, Ohio. Cultivator. No. 1,108,020; Aug. 18; Gaz. vol. 205; p. 944.
 Swanson, Theodore. (See Gustafson and Swanson.)
 Swanson, Theodore, Lynn Center, Ill. Work-bench. No. 1,112,729; Oct. 6; Gaz. vol. 207; p. 113.
 Swantees, Samuel F., St. Louis, Mo. Warming-closet. No. 1,112,491; Oct. 6; Gaz. vol. 207; p. 27.
 Swantusch, Henry B., Three Rivers, Mich. V-block. No. 1,119,470; Dec. 1; Gaz. vol. 209; p. 196.
 Sward, Harry A., Kirkwood, Ill. Fruit-picker. No. 1,102,105; June 30; Gaz. vol. 203; p. 1474.
 Swarovski, Daniel, and H. Weis, Wattens, near Hall, assignors to Glassschleiferei Wattens A. Kosmann D. Swarovski & Co., Wattens, Tyrol, Austria-Hungary. Mechanism for assorting solid substances. No. 1,098,062; May 26; Gaz. vol. 202; p. 1120.
 Swarovski, Daniel, and H. Weis, Wattens, near Hall, assignors to Glassschleiferei Wattens A. Kosmann, D. Swarovski & Co., Wattens, Tyrol, Austria-Hungary. Apparatus for supplying measured quantities. No. 1,106,686; Aug. 11; Gaz. vol. 205; p. 429.
 Swart, Fred M., Margaretville, N. Y. Bit. No. 1,116,159; Nov. 3; Gaz. vol. 208; p. 237.
 Swart, Robert B., Detroit, Mich., assignor to The Higgin Manufacturing Company, Newport, Ky. Window-screen. No. 1,100,665; June 16; Gaz. vol. 203; p. 865.
 Swartout, Charles L. (See Brown, Swartout, and Fitzgerald.)
 Swartwood, Michael G., Manchester, and V. Swartwood, Clay Center, Kans. Filtering device. No. 1,113,066; Oct. 6; Gaz. vol. 207; p. 226.
 Swartwood, Vernon. (See Swartwood, Michael G. and V.)
 Swartz, Fred M., assignor of one-half to C. Manshel, Providence, R. I. Spring-hinge. No. 1,102,556; July 7; Gaz. vol. 204; p. 117.
 Swartz, Riley S., Harpster, Ohio. Hay-loader. No. 1,096,326; May 12; Gaz. vol. 202; p. 431.
 Swartz, William J., assignor to Automatic Candy Machine Company, Seattle, Wash. Confection. No. 1,087,335; Feb. 17; Gaz. vol. 199; p. 707.
 Swartzbaugh, Charles E., Toledo, Ohio. Fireless cooker. No. 1,102,456; July 7; Gaz. vol. 204; p. 82.
 Swartzbaugh, Charles E., assignor to The Toledo Cooker Company, Toledo, Ohio. Fireless cooker or the like. No. 1,093,566; Apr. 14; Gaz. vol. 201; p. 523.
 Swartzwelder, Richard C., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Automatic slack-adjuster. No. 1,122,436; Dec. 29; Gaz. vol. 209; p. 1386.
 Swasey, Oscar F., Beverly, Mass. Knife. No. 1,089,019; Mar. 3; Gaz. vol. 200; p. 118.
 Swayger, John, East Deerfield, Mass. Harvester. No. 1,099,407; June 9; Gaz. vol. 203; p. 400.
 Swayne, Augustus E., Asheville, N. C. Account sheet or book. No. 1,098,992; June 2; Gaz. vol. 203; p. 215.
 Swayze, Hiram D. (See Corell, Leon O., assignor.)
 Swebillus, Carl G., and H. T. R. Hanitz, assignors to The Marlin Firearms Company, New Haven, Conn. Take-down firearm. No. 1,083,708; Jan. 6; Gaz. vol. 198; p. 149.
 Swebillus, Carl G., and H. T. R. Hanitz, assignors to The Marlin Firearms Company, New Haven, Conn. Repeating firearm. No. 1,030,351; Mar. 17; Gaz. vol. 200; p. 665.
 Swebillus, Carl G., and H. T. R. Hanitz, assignors to The Marlin Firearms Company, New Haven, Conn. Repeating firearm. No. 1,103,228; July 14; Gaz. vol. 204; p. 398.
 Swebillus, Carl G., and H. T. R. Hanitz, assignors to The Marlin Firearms Company, New Haven, Conn. Repeating firearm. No. 1,105,467; July 28; Gaz. vol. 204; p. 1266.
 Swebillus, Carl G., and H. T. R. Hanitz, assignors to The Marlin Firearms Company, New Haven, Conn. Take-down repeating firearm. No. 1,110,837; Sept. 15; Gaz. vol. 206; p. 782.
 Swedberg, Charles M., Yonkers, N. Y. Door-slu extension for subway-cars. No. 1,112,235; Sept. 29; Gaz. vol. 206; p. 1346.

Alphabetical list of patentees—Continued.

- Swedberg, Charles M., Yonkers, N. Y. Station-platform. No. 1,116,160; Nov. 3; Gaz. vol. 208; p. 237.
- Swedenborg, Swan, Cleveland, assignor to The Phoenix Foundry and Machine Company, Ashtabula, Ohio. Lift for drop-hammers and the like. No. 1,107,866; Aug. 18; Gaz. vol. 205; p. 891.
- Sweeney, John M., Portland, Oreg. Water-closet. No. 1,097,569; May 19; Gaz. vol. 202; p. 899.
- Sweeney, John T., Kingston, assignor to W. G. Browne Mfg. Co., New York, N. Y. Tape-measure. No. 1,096,963; May 19; Gaz. vol. 202; p. 690.
- Sweeney, Michael, assignor of one-half to L. E. Nassoiiy, Niagara Falls, N. Y. Screen. No. 1,122,437; Dec. 29; Gaz. vol. 209; p. 1387.
- Sweeney, William F. (See Bowen and Sweeney.)
- Sweeny, Francis R., Clemson College, S. C. Geographic-position indicator. No. 1,086,242; Feb. 3; Gaz. vol. 199; p. 233.
- Sweers, Riley, Toledo, Ohio. Dish and holder for ice-cream. No. 1,105,715; Aug. 4; Gaz. vol. 205; p. 46.
- Sweet, Arthur J., Newark, Ohio, assignor to Westinghouse Lamp Company. Means for rating incandescent lamps. No. 1,092,410; Apr. 7; Gaz. vol. 201; p. 98.
- Sweet, Burton W. (See Knight and Sweet.)
- Sweet, Eli, Binghamton, N. Y., assignor to J. W. Boyd, Denver, Colo. Hardening iron and steel. No. 1,121,572; Dec. 15; Gaz. vol. 209; p. 1014.
- Sweet, Ernest E., Detroit, Mich. Tail-light for vehicles. No. 1,097,737; May 26; Gaz. vol. 202; p. 1004.
- Sweet, Ernest E., Detroit, Mich. Window-operating means. No. 1,098,414; June 2; Gaz. vol. 203; p. 20.
- Sweet, George C., U. S. Navy. Automatic brake-controlling device. No. 1,084,503; Jan. 13; Gaz. vol. 198; p. 439.
- Sweet, Webb C., Washington, D. C. Dividing curtain for vehicle-tops. No. 1,111,813; Sept. 29; Gaz. vol. 206; p. 1202.
- Sweet, Welcome F., *et al.* (See Donnell, William F., assignor.)
- Sweet, Welcome F., St. Louis, Mo. Bloat-needle. No. 1,083,567; Jan. 6; Gaz. vol. 198; p. 102.
- Sweet, Welcome F., assignor to The Metal Novelty Company, St. Louis, Mo. Razor-blade-sharpening machine. No. 1,086,481; Feb. 10; Gaz. vol. 199; p. 360.
- Sweet, Welcome F., assignor to W. D. Mahaney, St. Louis, Mo. Vending-machine. No. 1,114,818; Oct. 27; Gaz. vol. 207; p. 978.
- Sweetland, Arthur H., Long Beach, assignor to National Street and Station Indicator Company, Los Angeles, Cal. Track-controlled mechanism. No. 1,117,722; Nov. 17; Gaz. vol. 208; p. 868.
- Sweetland, Ernest J., Montclair, N. J. Pressure-filter. No. 1,083,305; Jan. 6; Gaz. vol. 198; p. 16.
- Sweezy, Wiley G. (See Leighton, James A., assignor.)
- Sweigle, Charles H., Spokane, Wash. Illuminated number. No. 1,100,160; June 16; Gaz. vol. 203; p. 696.
- Swem, Louis A., Bellingham, Wash. Spark-arrester. No. 1,100,034; June 16; Gaz. vol. 203; p. 650.
- Swem, Louis A., Bellingham, Wash. Spark-arrester. No. 1,100,035; June 16; Gaz. vol. 203; p. 651.
- Swender, Albert W., St. Louis, Mo. Hobby-horse. No. 1,088,185; Feb. 24; Gaz. vol. 199; p. 1049.
- Swendson, Samuel G., Topeka, Kans. Cushion-tire. No. 1,122,553; Dec. 29; Gaz. vol. 209; p. 1427.
- Swensen, Lorenzo, Montpelier, Idaho. Adjustable caster. No. 1,116,334; Nov. 3; Gaz. vol. 208; p. 295.
- Swensen, Thomas, New York, N. Y. Player-piano. No. 1,102,611; July 7; Gaz. vol. 204; p. 137.
- Swett, Charles E. (See Coughlin and Swett.)
- Swezey, Benjamin F., Bellingham, Minn. Device for preventing snow-drifts. No. 1,108,943; Sept. 1; Gaz. vol. 206; p. 30.
- Swezey, George H., Newark, N. J. Article covered with sheet-celluloid. No. 1,101,972; June 30; Gaz. vol. 203; p. 1426.
- Swick, Orville E., Weston, W. Va. Pool-table attachment. No. 1,114,202; Oct. 20; Gaz. vol. 207; p. 709.
- Swift, Elijah K., assignor to The Whitin Machine Works, Whitinsville, Mass. Silver-working machine. No. 1,117,462; Nov. 17; Gaz. vol. 208; p. 775.
- Swift, Francis E., Dayton, Ohio. Heating and ventilating apparatus. No. 1,115,614; Nov. 3; Gaz. vol. 208; p. 50.
- Swift, George S. K., Providence, R. I. Automatic gas cut-off. No. 1,084,911; Jan. 20; Gaz. vol. 198; p. 609.
- Swift, George W., Jr., Bordentown, N. J. Machine for facing corrugated paper. No. 1,086,097; Feb. 3; Gaz. vol. 199; p. 186.
- Swift, George W., Jr., Bordentown, N. J. Gearing. No. 1,097,776; May 26; Gaz. vol. 202; p. 1018.
- Swift, Walter G., Providence, assignor of one-half to G. F. Bohl, Cranston, R. I. Attachment for installing magnetos on gas-engines. No. 1,107,374; Aug. 18; Gaz. vol. 205; p. 717.
- Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Support for drinking-cup cabinets. No. 1,095,242; May 5; Gaz. vol. 202; p. 23.
- Swift, William L. (See Meier, Swift, and Reller.)
- Swift, William L. (See Reed, Reller, Swift, and Meier.)
- Swift, William R., assignor of one-half to J. P. Bergmaier, Philadelphia, Pa. Molder's flask. No. 1,120,759; Dec. 15; Gaz. vol. 209; p. 730.
- Swindell, John A., Pittsburgh, Pa. Heating-furnace. No. 1,094,611; Apr. 28; Gaz. vol. 201; p. 979.
- Swindell, John A., Pittsburgh, Pa. Furnace-door. No. 1,098,993; June 2; Gaz. vol. 203; p. 215.
- Swindell, John A., Pittsburgh, Pa. Charging apparatus for open-hearth furnaces and the like. No. 1,106,988; Aug. 11; Gaz. vol. 205; p. 533.
- Swindell, John A., Pittsburgh, Pa. Annealing-furnace. No. 1,112,236; Sept. 29; Gaz. vol. 206; p. 1346.
- Swindell, John A. and J. C., Pittsburgh, Pa. Annealing-furnace. No. 1,112,237; Sept. 29; Gaz. vol. 206; p. 1347.
- Swindell, John C. (See Swindell, John A. and J. C.)
- Swindler, Edgar L., Palestine, Tex. Lock-joint rail. No. 1,095,243; May 5; Gaz. vol. 202; p. 24.
- Swindler, L. M. (See La Fary, Walter, assignor.)
- Swindowsky, Charles, Houston, Tex. Pencil attachment. No. 1,093,497; Apr. 14; Gaz. vol. 201; p. 502.
- Swinehart, Clark A., Akron, Ohio. Vehicle-tire. No. 1,089,020; Mar. 3; Gaz. vol. 200; p. 118.
- Swinehart, Clark A., Akron, Ohio. Vehicle-tire. No. 1,105,342; July 28; Gaz. vol. 204; p. 1220.
- Swinehart, George B., Seattle, Wash. Portable electric lamp. No. 1,084,375; Jan. 13; Gaz. vol. 198; p. 400.
- Swinehart, James A., St. Louis, Mo. Method of making tires and apparatus therefor. No. 1,122,333; Dec. 29; Gaz. vol. 209; p. 1353.
- Swing, Alfred J., Cincinnati, Ohio. Vehicle-wheel. No. 1,089,511; Mar. 10; Gaz. vol. 200; p. 335.
- Swing, Alfred J., Cincinnati, Ohio. Wheel. No. 1,089,601; Mar. 10; Gaz. vol. 200; p. 366.
- Swinglehurst, Harry, Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Circular-knitting machine. No. 1,087,698; Feb. 17; Gaz. vol. 199; p. 835.
- Swinglehurst, Harry, Boston, Mass., assignor to Scott & Williams, Inc., Philadelphia, Pa. Needle-cylinder for circular-knitting machines. No. 1,089,021; Mar. 3; Gaz. vol. 200; p. 119.
- Swinglehurst, Harry, Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Knitting-machine cylinder. No. 1,115,129; Oct. 27; Gaz. vol. 207; p. 1089.
- Swinglehurst, Harry, Collingswood, N. J., assignor to Scott & Williams, Inc., Boston, Mass. Yarn-changing device for knitting-machines. No. 1,093,362; Apr. 14; Gaz. vol. 201; p. 460.
- Swinglehurst, Harry, Laconia, N. H., assignor to Scott & Williams, Incorporated, Camden, N. J. Detector device of knitting-machine stop-motions. No. 1,099,408; June 9; Gaz. vol. 203; p. 401.
- Swinglehurst, Harry, Philadelphia, Pa., assignor, by mesne assignments, to Scott & Williams, Incorporated, Camden, N. J. Knitting-machine. No. 1,115,128; Oct. 27; Gaz. vol. 207; p. 1089.
- Swinglehurst, Harry, Philadelphia, Pa., assignor to Scott & Williams, Incorporated, Camden, N. J. Speed-changing and stopping device for knitting-machines. No. 1,116,161; Nov. 3; Gaz. vol. 208; p. 238.
- Swinland, John, Duluth, Minn. Folding umbrella. No. 1,088,743; Mar. 3; Gaz. vol. 200; p. 25.
- Swinland, John, Duluth, Minn. Umbrella. No. 1,095,362; May 5; Gaz. vol. 202; p. 64.
- Swinerton, Elizabeth C., Lancaster, Ohio. Novelty device. No. 1,097,891; May 26; Gaz. vol. 202; p. 1058.
- Swisher, Josiah O., Jacksonville, Fla. Brick-cleaning machine. No. 1,113,259; Oct. 13; Gaz. vol. 207; p. 337.
- Swiss Magneto Company, The. (See Baier, Fredrick, assignor.)
- Swithenbank, Charles. (See Rice, Norman E., assignor.)
- Switzer, Maurice, New York, N. Y., and J. D. Lacroix, Baltimore, Md., assignors of one-half to The Wilson Distilling Company and one-half to H. Ellis, New York, N. Y. Non-refillable bottle. No. 1,083,953; Jan. 13; Gaz. vol. 198; p. 258.
- Swoger, Thomas, Wilkinsburg, Pa. Folding piano. No. 1,119,054; Dec. 1; Gaz. vol. 209; p. 56.
- Swope, George W., and W. N. Bell, Norfolk, Va. Tooth-cleaning instrument. No. 1,083,770; Jan. 6; Gaz. vol. 198; p. 169.
- Swope, Gerard, New Brunswick, N. J., assignor to Western Electric Company, New York, N. Y. Telephone-switching apparatus. No. 1,086,869; Feb. 10; Gaz. vol. 199; p. 497.
- Swope, Sylvanus H., Greenville, Ohio. Bandage-fastener. No. 1,104,575; July 21; Gaz. vol. 204; p. 906.
- Sword, Charles, Cohoes, N. Y. Umbrella-display rack. No. 1,095,130; Apr. 28; Gaz. vol. 201; p. 1160.
- Swyers, Brice P., assignor of eight thirty-seconds to B. P. Swyers, seven thirty-seconds to G. E. Lorch, four thirty-seconds to G. M. Davis, two thirty-seconds to M. Maul, seven thirty-seconds to L. Lorch, Jr., Pittsburgh, and four thirty-seconds to J. H. Wagner, Mount Oliver borough, Pa. Electric switch. No. 1,106,593; Aug. 11; Gaz. vol. 205; p. 397.
- Swyney, George E., Seattle, Wash. Faucet. No. 1,117,723; Nov. 17; Gaz. vol. 208; p. 869.

Alphabetical list of patentees—Continued.

- Sydney, Sidney J., assignor of one-third to G. W. Snyder and one-third to G. A. Gale, Philadelphia, Pa. Internal-combustion engine. No. 1,086,243; Feb. 3; Gaz. vol. 199; p. 234.
- Sydney, Sidney J., Philadelphia, Pa., assignor of one-half to D. W. Alexander, Toronto, Ontario, Canada. Pneumatic tire. No. 1,123,034; Dec. 29; Gaz. vol. 209; p. 1598.
- Syfert, William W., Tulsa, Okla. Coupon-book. No. 1,086,569; Feb. 10; Gaz. vol. 199; p. 392.
- Sykes, Alexander L., Covington, Ky. Cooking appliance. No. 1,086,870; Feb. 10; Gaz. vol. 199; p. 497.
- Sykes, Frank P., Galetton, Pa. Log-transferring device. No. 1,084,376; Jan. 13; Gaz. vol. 198; p. 400.
- Sykes, Henry T., assignor of one-half to A. V. Ely, New London, Mo. Gravel-machine. No. 1,104,576; July 21; Gaz. vol. 204; p. 906.
- Sykes, William E., Uxbridge, England. Machine for cutting helical teeth of gear-wheels. No. 1,103,851; July 14; Gaz. vol. 204; p. 613.
- Sykes, William S. (See Quinn, James J., assignor.)
- Sykora, Charles, Storden, Minn. Internal-combustion engine. No. 1,099,271; June 9; Gaz. vol. 203; p. 351.
- Sylvester, Aaron, Indianapolis, Ind. Fender. No. 1,114,936; Oct. 27; Gaz. vol. 207; p. 1021.
- Sylvester, Louis F., Hoboken, N. J., assignor to National Fire Proofing Company, Pittsburgh, Pa. Centering for concrete arches. No. 1,108,639; Aug. 25; Gaz. vol. 205; p. 1207.
- Symer, Frederick, Buffalo, N. Y. Apparatus for brazing saw-blades or the like. No. 1,116,162; Nov. 3; Gaz. vol. 208; p. 238.
- Symington, Thomas H., Baltimore, Md. Draft-gear. No. 1,097,738; May 26; Gaz. vol. 202; p. 1004.
- Symington, Thomas H., Baltimore, Md. Draft-link. No. 1,097,739; May 26; Gaz. vol. 202; p. 1005.
- Symington, Thomas H., Baltimore, Md. Cheek-plate for draft-gear. No. 1,097,740; May 26; Gaz. vol. 202; p. 1005.
- Symington, Thomas H., Baltimore, Md. Spring-box. No. 1,103,632; July 14; Gaz. vol. 204; p. 538.
- Symington, Thomas H., Baltimore, Md. Draft-gear. No. 1,115,747; Nov. 3; Gaz. vol. 208; p. 95.
- Symington, Thomas H., Baltimore, Md. Side bearing. No. 1,116,645; Nov. 10; Gaz. vol. 208; p. 449.
- Symons, Josiah E., Chicago, Ill. Gyrotory crusher. No. 1,101,668; June 30; Gaz. vol. 203; p. 1320.
- Symons, Walter J., R. J. Boyle, and W. A. Blaind, assignors of seven twenty-fourths to said Symons, one-eighth to said Boyle, one-sixth to said Blaind, seven twenty-fourths to H. O. Stewart, and one-eighth to S. R. Burrows, Belleville, Ontario, Canada. Film-feeding mechanism for kinetoscopes. (Reissue.) No. 13,824; Nov. 10; Gaz. vol. 208; p. 624.
- Symons, William P. (See Walters and Symons.)
- Symons, Wilson E., Chicago, Ill. Automobile-fender. No. 1,114,412; Oct. 20; Gaz. vol. 207; p. 784.
- Synck, Henry, Coldwater, Ohio. Manure-distributor. No. 1,099,135; June 2; Gaz. vol. 203; p. 260.
- Synthetic Patents Co. (See Berendes, Rudolph, assignor.)
- Synthetic Patents Co. (See Berendes and Rietz, assignors.)
- Synthetic Patents Co. (See Callsen, Jürgen, assignor.)
- Synthetic Patents Co. (See Claisen, Ludwig, assignor.)
- Synthetic Patents Co. (See Fischer, Emil, assignor.)
- Synthetic Patents Co. (See Gräler, Buff, and Flashlaender, assignors.)
- Synthetic Patents Co. (See Günther and Zart, assignors.)
- Synthetic Patents Co. (See Hagemann, Karl, assignor.)
- Synthetic Patents Co. (See Hauptmann and Rohde, assignors.)
- Synthetic Patents Co. (See Jordan and Neelmeier, assignors.)
- Synthetic Patents Co. (See Taub and Fickewirth, assignors.)
- Synthetic Patents Co. (See Taub and Hahl, assignors.)
- Synthetic Patents Co. (See Thun, Tust, and Thoma-schewski, assignors.)
- Synthetic Patents Co. (See Volkmann, Paul, assignor.)
- Synthetic Patents Co. (See Weiler, Max, assignor.)
- Synthetic Patents Co. (See Zart and Schweitzer, assignors.)
- Synthetic Patents Co. Inc. (See Hiemenz, Wilhelm, assignor.)
- Syracuse Baler Company, The. (See Babcock, Frank J., assignor.)
- Syracuse Chilled Plow Company. (See Chase, Aurin M., assignor.)
- Syracuse Chilled Plow Company. (See Lee, William H., assignor.)
- Syvertsen, Ole C., assignor to Weir Stove Company, Taunton, Mass. Gas-stove. No. 1,088,849; Mar. 3; Gaz. vol. 200; p. 60.
- Szabo, Rozalia M., *et al.* (See Jenoi and Nagy, assignors.)
- Szabo, Rozalia M., *et al.* (See Jenoi and Kruchio, assignors.)
- Szabo, Rozalia M., *et al.* (See Jenoi and Stevenson, assignors.)
- Szalkay, Steven, Flint, Mich. Shield. No. 1,110,084; Sept. 8; Gaz. vol. 206; p. 476.
- Szamer, Vincent, Terryville, Conn. Safety-lamp. No. 1,104,941; July 28; Gaz. vol. 204; p. 1080.
- Szarka, Stephen, Brantford, Ontario, Canada. Shoe cleaning and polishing device. No. 1,119,201; Dec. 1; Gaz. vol. 209; p. 105.
- Szczepanik, Jan, Luisenhof, near Dresden, Germany. Producing polychromatic screens, plates, films, and paper for color photography. No. 1,089,602; Mar. 10; Gaz. vol. 200; p. 366.
- Szczepkowski, Wladislaus von, Leng, near Schrimm, and F. von Skrzydlewski, Posen, Germany. Apparatus for watering fields. No. 1,098,853; June 2; Gaz. vol. 203; p. 168.
- Szegel, Mike, Newark, N. J. Water-cycle. No. 1,104,229; July 21; Gaz. vol. 204; p. 784.
- Szekfu, Stephen, assignor of one-half to V. E. Munz, Ellensburg, Wash. Heel for foot-gear. No. 1,099,727; June 9; Gaz. vol. 203; p. 509.
- Szekfu, Stephen, assignor of one-half to V. E. Munz, Ellensburg, Wash. Heel for foot-gear. No. 1,106,989; Aug. 11; Gaz. vol. 205; p. 533.
- Szekfu, Stephen, assignor of one-half to V. E. Munz, Ellensburg, Wash. Heel for foot-gear. No. 1,106,990; Aug. 11; Gaz. vol. 205; p. 533.
- Széles, Gusztáv. (See Balogh and Széles.)
- Szeliga, Anton, assignor of one-fifth to P. Müller, one-fifth to E. Mauthberger, and one-tenth to F. Tichy, New York, N. Y. Attachment for moving-picture apparatus. No. 1,087,699; Feb. 17; Gaz. vol. 199; p. 835.
- Szénási, József. (See Budai and Szénási.)
- Szentpáli, John, and G. Vass, Gary, Ind. Life-boat. No. 1,100,457; June 16; Gaz. vol. 203; p. 798.
- Szepessy, John, Centerville, Md. Ship construction. No. 1,105,009; July 28; Gaz. vol. 204; p. 1102.
- Szilagyi, Géza, assignor of one-half to J. Bali, Gary, Ind. Monkey-wrench. No. 1,094,759; Apr. 28; Gaz. vol. 201; p. 1034.
- Szőcs, Eugen, Budapest, Austria-Hungary. Burner for clay-kilns. No. 1,104,017; July 21; Gaz. vol. 204; p. 711.
- Szot-Czetén, Iwan, Warsaw, Russia. Lubricating journal-box. No. 1,088,044; Feb. 24; Gaz. vol. 199; p. 1001.
- Szot-Czetén, Iwan, Warsaw, Russia. Axle-box. No. 1,107,867; Aug. 18; Gaz. vol. 205; p. 891.
- Sztankovits, Michael, College Point, N. Y. Lamp-extinguisher. No. 1,114,551; Oct. 20; Gaz. vol. 207; p. 833.
- Szücs, Gregor R., *et al.* (See Jenöl and Kruchio, assignors.)
- Szunyk, Jozsef, Dorchester, Va. Kettle. No. 1,089,164; Mar. 3; Gaz. vol. 200; p. 171.
- Szuth, John, New York, N. Y. Flying-machine. No. 1,110,727; Sept. 15; Gaz. vol. 206; p. 745.
- Szuth, John, assignor of one-fourth to G. Kocsis, New York, N. Y. Folding crate. No. 1,110,726; Sept. 15; Gaz. vol. 206; p. 744.
- Sztydlowski, Paul, Boston, Mass. Railway-spike. No. 1,096,403; May 12; Gaz. vol. 202; p. 455.
- Sztydlowski, Paul, Boston, Mass. Railway-spike. No. 1,099,323; June 9; Gaz. vol. 203; p. 370.
- T. Buettner & Co. (See Sencenbaugh, Samuel S., assignor.)
- T. A. Gillespie Company, The. (See Donaldson, Francis, assignor.)
- T. A. Willson & Co. (See Willson and Bourquin, assignors.)
- T. C. Entwistle Company. (See Sidebottom, John W., assignor.)
- T. D. Palmer Company. (See Palmer, Theodore D., assignor.)
- T. J. Clark Co. (See Clark, Thomas J., assignor.)
- T. L. Smith Company. (See Brackenbury, Edward W., assignor.)
- T. L. Smith Company, The. (See Smith and Brackenbury, assignors.)
- T. W. Adams & Co. (See Adams and Potts, assignors.)
- T. W. Manufacturing Company, The. (See Wheelock, Carl M., assignor.)
- T. W. Snow Construction Company. (See Moore, Moses M., assignor.)
- T. W. & C. B. Sheridan Company *et al.* (See Bredenberg, Alfred, assignor.)
- Tabbert, August, Newton, Iowa. Combined corn husker and shredder. No. 1,088,636; Feb. 24; Gaz. vol. 199; p. 1198.
- Tabbert, Leonhart, Yale, Idaho. Combination sled and wagon. No. 1,120,251; Dec. 8; Gaz. vol. 209; p. 503.
- Taber, Leon I., Mount Hermon, Mass. Combined hair-brush and mirror. No. 1,094,493; Apr. 28; Gaz. vol. 201; p. 939.
- Taber Pump Company. (See Traudt, William F., assignor.)
- Tabor, Clinton D., New Dorp, N. Y. Adjuster for sashes and doors. No. 1,120,169; Dec. 8; Gaz. vol. 209; p. 473.
- Tabor, Clinton D., New Dorp, N. Y., assignor of one-half to A. Schrafft, Newark, N. J. Weather-guard for doors. No. 1,110,242; Sept. 8; Gaz. vol. 206; p. 532.
- Tabor Manufacturing Company, The. (See Lewis, Wilfred, assignor.)

Alphabetical list of patentees—Continued.

- Tabor Manufacturing Company, The. (See Lewis and Ramsden, assignors.)
- Tabor Sash Fixture Co. (See Schrafft, Albert, assignor.)
- Tabriz Renovating Company. (See Craddock, Edward S., assignor.)
- Tabulo, Louis, London, England. Life-saving appliance for use at sea. No. 1,107,632; Aug. 18; Gaz. vol. 205; p. 809.
- Tacail, Charles P., Paris, France. Apparatus for massaging gums. No. 1,091,090; Mar. 24; Gaz. vol. 200; p. 951.
- Tacchi, Percy G., Acton, London, England. Internal-combustion engine. No. 1,086,953; Feb. 10; Gaz. vol. 199; p. 524.
- Tacchi, Percy G., Acton, London, England. Internal-combustion engine. No. 1,112,338; Sept. 29; Gaz. vol. 206; p. 1381.
- Tachell, Anna B. (See Donohue and Tachell.)
- Tackney, Edward J., assignor of one-half to H. C. Wiedeman, Detroit, Mich. Metal bung. No. 1,085,180; Jan. 27; Gaz. vol. 198; p. 737.
- Tackney, Edward J., assignor of one-half to H. C. Wiedeman, Detroit, Mich. Expandable bung-plug. No. 1,109,262; Sept. 1; Gaz. vol. 206; p. 144.
- Tadini, Gerome F., New York, N. Y. Vehicle-wheel. No. 1,083,709; Jan. 6; Gaz. vol. 198; p. 149.
- Taeubert, Edmund E., Los Angeles, Cal. Electric sad-iron. No. 1,114,413; Oct. 20; Gaz. vol. 207; p. 784.
- Taft, Harrison S., Seattle, Wash. Apparatus for driving subpiling. No. 1,094,949; Apr. 28; Gaz. vol. 201; p. 1100.
- Taft, Harrison S., Seattle, Wash. Reinforced-concrete shelter. No. 1,106,063; Aug. 4; Gaz. vol. 205; p. 167.
- Taft, Harrison S., Seattle, Wash. Reinforced-concrete-column construction. No. 1,111,194; Sept. 22; Gaz. vol. 206; p. 950.
- Taft, Herbert O., Burlington, Vt. Jack-spool and fastener. No. 1,100,504; June 16; Gaz. vol. 203; p. 814.
- Taft Machine Company. (See Gardner and Chase, assignors.)
- Taft, Samuel B., and L. H. Landry, Uxbridge, Mass. Pattern-chain rack. No. 1,085,767; Feb. 3; Gaz. vol. 199; p. 69.
- Taft, Walter E., Providence, R. I. Valve of internal-combustion engines. No. 1,086,794; Feb. 10; Gaz. vol. 199; p. 471.
- Taft, Walter E., Providence, R. I. Valve for internal-combustion engines. No. 1,115,986; Nov. 3; Gaz. vol. 208; p. 178.
- Taft, Walter E., Providence, R. I. Valve for internal-combustion engines. No. 1,115,987; Nov. 3; Gaz. vol. 208; p. 178.
- Taggart, Eugene N. (See Ping, Robert G., assignor.)
- Taggart, George H., New York, N. Y. Stop mechanism for phonographs. (Reissue.) No. 13,809; Oct. 13; Gaz. vol. 207; p. 580.
- Taggart, Herbert B. L., and O. B. Wortman, Philadelphia, Pa. Base-ball indicator-board. No. 1,118,597; Nov. 24; Gaz. vol. 208; p. 1213.
- Taggart, James E., Houston, Tex. Shield for cooking utensils. No. 1,096,204; May 12; Gaz. vol. 202; p. 385.
- Taggart, James M. (See Baldwin and Taggart.)
- Taglauer, John J. (See Draper and Taglauer.)
- Tagliabue, Charles J. (See Hawxhurst, Timothy S. K., assignor.)
- Tagliabue, Charles J. (See Schneider, Ralph F., assignor.)
- Tagliamonte, Silverio, Somerville, Mass. Automatic gas cut-off. No. 1,097,482; May 19; Gaz. vol. 202; p. 871.
- Taifarnopoulos, Dimitrios, Hoboken, N. J. Rotary steam-engine. No. 1,119,549; Dec. 1; Gaz. vol. 209; p. 224.
- Taigman, Max, New York, N. Y. Starting-box. No. 1,116,952; Nov. 10; Gaz. vol. 208; p. 556.
- Tait, Edgar W. (See McArthur, Donald R., assignor.)
- Tait, Edwin E., Bradford, Pa. Sleeping-car. No. 1,083,640; Jan. 6; Gaz. vol. 198; p. 126.
- Tait, George W., Kearney, N. J. Cloth-guiding device. No. 1,092,608; Apr. 7; Gaz. vol. 201; p. 168.
- Tait, Godfrey M. S., Washington, D. C. Treating milk and other liquids. No. 1,094,380; Apr. 21; Gaz. vol. 201; p. 837.
- Tait, Godfrey M. S., Washington, D. C. Pasteurizing apparatus. No. 1,104,716; July 21; Gaz. vol. 204; p. 953.
- Tait, J. Starr, *et al.* (See McKee, James T., assignor.)
- Tait, John, Dunedin, New Zealand. Water-circulator for boilers. No. 1,106,749; Aug. 11; Gaz. vol. 205; p. 450.
- Taiz, Jacob, Philadelphia, Pa. Shade-roller bracket. No. 1,114,203; Oct. 20; Gaz. vol. 207; p. 710.
- Takach, Victor, Cleveland, Ohio. Device for preventing ladders from slipping. No. 1,091,091; Mar. 24; Gaz. vol. 200; p. 951.
- Takács, Jahn, Youngstown, Ohio. Stovepipe-fastener. No. 1,117,142; Nov. 10; Gaz. vol. 208; p. 623.
- Takahashy, Kanichi. (See Kolke and Grant, assignors.)
- Taketoshi, Chobey, Portland, Oreg. Shoe-lace fastener. No. 1,105,541; July 28; Gaz. vol. 204; p. 1290.
- Talarico, Nicola, Turner, Me. Railway-track-tamping machine. No. 1,091,984; Mar. 31; Gaz. vol. 200; p. 1299.
- Talbert, Charles E., Washington, D. C., assignor to E. C. Henn, Cleveland, Ohio. Spark-plug. No. 1,087,897; Feb. 17; Gaz. vol. 199; p. 901.
- Talbert, Daniel H., Indianapolis, Ind. Machine for applying fluid to objects. No. 1,109,087; Sept. 1; Gaz. vol. 206; p. 82.
- Talbot, Edwin B., and S. F., and S. D. Dossie, Edmond, Okla. Agricultural machine. No. 1,085,508; Jan. 27; Gaz. vol. 198; p. 848.
- Talbot, Ivan F., assignor to E. O. Atwood, Boise, Idaho. Lubricator. No. 1,095,042; Apr. 28; Gaz. vol. 201; p. 1131.
- Talbot, James A., Walla Walla, Wash. Weed-cutter. No. 1,111,108; Sept. 22; Gaz. vol. 206; p. 919.
- Talbot, Samuel F. (See Talbot and Dossie.)
- Talbot, William W., New York, N. Y. Clinical thermometer. No. 1,119,202; Dec. 1; Gaz. vol. 209; p. 106.
- Talbot, William W., Atlanta, Ga., assignor of one-half to S. H. Boynton, Chicago, Ill., and one-half to J. H. Dow, Atlanta, Ga. Life guard or fender. No. 1,111,772; Sept. 29; Gaz. vol. 206; p. 1185.
- Talbot, William W., Chicago, Ill., and C. A. Sawtelle, Salt Lake City, Utah, assignors of one-half to S. H. Boynton, Chicago, Ill., and one-half to J. H. Dow, Atlanta, Ga. Combined buffer and fender. No. 1,111,771; Sept. 29; Gaz. vol. 206; p. 1185.
- Talbot, John A. (See Wyvill and Talbot.)
- Talbot, John L., and W. S. Wright, Lompoc, Cal. Dental instrument. No. 1,092,307; Apr. 7; Gaz. vol. 201; p. 64.
- Taliaferro, Mary E., New York, N. Y. Figure toy. No. 1,119,471; Dec. 1; Gaz. vol. 209; p. 197.
- Taliaferro, Thomas L., Wheeling, W. Va., assignor, by mesne assignments, to Phoenix Hermetic Company, New York, N. Y. Forming sealing-rings for glass or porcelain covers. No. 1,089,093; Mar. 3; Gaz. vol. 200; p. 143.
- Taliaferro, Thomas L., Wheeling, W. Va., assignor, by mesne assignments, to Phoenix Hermetic Company, New York, N. Y. Apparatus for coating covers. No. 1,089,350; Mar. 3; Gaz. vol. 200; p. 229.
- Taliaferro, Thomas L., Wheeling, W. Va., assignor, by mesne assignments, to Phoenix-Hermetic Company, New York, N. Y. Sheet-metal cover for receptacles. No. 1,109,484; Sept. 1; Gaz. vol. 206; p. 221.
- Taliaferro, Thomas L., Baltimore, Md., assignor to Continental Can Company, Syracuse, N. Y. Can-transferring mechanism. No. 1,092,609; Apr. 7; Gaz. vol. 201; p. 168.
- Taliaferro, Thomas L., and J. B. Bellamy, Wheeling, W. Va., assignors, by mesne assignments, to Phoenix-Hermetic Company, New York, N. Y. Sheet-metal cover for receptacles. No. 1,103,633; July 14; Gaz. vol. 204; p. 538.
- Talking Moving Picture Co., The. (See Mitchell, Richard S. M., assignor.)
- Tallett, William H., Watertown, N. Y. Fishing-rod. No. 1,098,769; June 2; Gaz. vol. 203; p. 140.
- Talley, Herbert, assignor to Independent Powder Company, Joplin, Mo. Shell filling and loading machine. No. 1,083,771; Jan. 6; Gaz. vol. 198; p. 170.
- Talley, Herbert, Joplin, Mo., assignor, by mesne assignments, to Hercules Powder Company. Shell carrier and shuttle. No. 1,105,936; Aug. 4; Gaz. vol. 205; p. 123.
- Talley, Herbert, Joplin, Mo., assignor, by mesne assignments, to Hercules Powder Company. Shell-assembling machine. No. 1,105,937; Aug. 4; Gaz. vol. 205; p. 123.
- Talley, William A., Sayre, Okla. Retaining-valve for air-brake systems. No. 1,097,375; May 19; Gaz. vol. 202; p. 834.
- Tallmadge, Charles H., Chicago, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Accounting mechanism. No. 1,084,667; Jan. 20; Gaz. vol. 198; p. 524.
- Tallmadge, Charles H., Chicago, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Means for accounting. No. 1,084,668; Jan. 20; Gaz. vol. 198; p. 525.
- Tallmadge, Charles H., Chicago, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Accounting system. No. 1,084,669; Jan. 20; Gaz. vol. 198; p. 525.
- Tallmadge, Charles H., Chicago, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Piecework-accounting system. No. 1,084,670; Jan. 20; Gaz. vol. 198; p. 526.
- Tallmadge, Charles H., Chicago, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Means and method for accounting. No. 1,084,671; Jan. 20; Gaz. vol. 198; p. 526.
- Tallman, Alanson B., deceased, Chicago, Ill.; B. V. Tallman, executrix. School-desk. No. 1,101,353; June 23; Gaz. vol. 203; p. 1160.
- Tallman, Bertha V., executrix. (See Tallman, Alanson B.)
- Tallman, James H., Hamilton, Ontario, Canada. Mechanical movement. No. 1,102,106; June 30; Gaz. vol. 203; p. 1474.
- Tallman, Percy L., assignor to Tallman, Robbins & Company, Chicago, Ill. Loose-leaf binder. No. 1,095,944; May 5; Gaz. vol. 202; p. 261.
- Tallman, Robbins & Company. (See Tallman, Percy L., assignor.)
- Tamagno, Daniel B., assignor to L. Tamagno, New York, N. Y. Can. No. 1,094,035; Apr. 21; Gaz. vol. 201; p. 725.

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- Tamagno, Daniel B., assignor to L. Tamagno, New York, N. Y. Can-closure. No. 1,109,557; Sept. 1; Gaz. vol. 206; p. 245.
- Tamagno, Lydie. (See Tamagno, Daniel B., assignor.)
- Tampier, René, Paris, France. Control mechanism for aeroplanes. No. 1,084,829; Jan. 20; Gaz. vol. 198; p. 582.
- Tanabe, Hakulyo C., Marysville, Cal. Toy. No. 1,118,826; Nov. 24; Gaz. vol. 208; p. 1290.
- Tanaka, Kichitaro, Tokyo, Japan. Life-preserver at sea. No. 1,096,573; May 12; Gaz. vol. 202; p. 512.
- Tandy, John L., Kansas City, Mo. Folding cot. No. 1,088,111; Feb. 24; Gaz. vol. 199; p. 1024.
- Tangsyndikat, Norsk. (See Krefting, Axel, assignor.)
- Tanimura, Kiyoye, Tokyo, Japan. Manufacture of plaited hats. No. 1,086,627; Feb. 10; Gaz. vol. 199; p. 412.
- Tann, James H., Dayton, Ohio. Hoisting-jack. No. 1,121,417; Dec. 15; Gaz. vol. 209; p. 959.
- Tannenbaum, Robert, Cincinnati, Ohio. Ash-remover. No. 1,108,944; Sept. 1; Gaz. vol. 206; p. 30.
- Tanner, Alfred W., Rock Island, Ill. Molding-machine. No. 1,123,035; Dec. 29; Gaz. vol. 209; p. 1598.
- Tanner, Delbert N., Great Falls, Mont. Automobile sled. No. 1,110,160; Sept. 8; Gaz. vol. 206; p. 505.
- Tanner, Edward, *et al.* (See Widdup, William R., assignor.)
- Tanner, John M., Portland, Oreg. Window-cleaner. No. 1,122,438; Dec. 29; Gaz. vol. 209; p. 1387.
- Tanner, Perry E., Akron, Ohio. Fluid-gage. No. 1,090,423; Mar. 17; Gaz. vol. 200; p. 692.
- Tanner, Perry E., Akron, Ohio. Fluid-gage. No. 1,090,424; Mar. 17; Gaz. vol. 200; p. 692.
- Tanner, Perry E., Akron, Ohio. Fluid-gage. No. 1,090,425; Mar. 17; Gaz. vol. 200; p. 692.
- Tannewitz, Carl E., Grand Rapids, Mich. Ink-well. No. 1,116,758; Nov. 10; Gaz. vol. 208; p. 489.
- Tapley, Thomas H., Chicago, Ill. Inserting folded sheets of paper in one another. No. 1,116,513; Nov. 10; Gaz. vol. 208; p. 400.
- Tappan, Frank. (See Crocker and Tappan.)
- Tappe, Edward A., Los Angeles, Cal. Signal apparatus for autovehicles. No. 1,104,281; July 21; Gaz. vol. 204; p. 802.
- Tarasch, Louis C., assignor to T. Jelenk, Brooklyn, N. Y. Vending-machine. No. 1,103,919; July 14; Gaz. vol. 204; p. 636.
- Taraszir, Andrew, New York, N. Y. Lock. No. 1,102,363; July 7; Gaz. vol. 204; p. 49.
- Tarbox, John P., Washington, D. C. Cord-adjuster. No. 1,087,093; Feb. 10; Gaz. vol. 199; p. 569.
- Tardieu, Jean, Caluire et Cuire, France. Machine for making corrugated paper. No. 1,113,260; Oct. 13; Gaz. vol. 207; p. 338.
- Tarian, Andy. (See Puskás and Tarian.)
- Tarkington, Clarence G., Chicago, Ill., assignor to Westinghouse Electric and Manufacturing Company. Control system for electric motors. No. 1,107,555; Aug. 18; Gaz. vol. 205; p. 781.
- Tarpenning, Charles T., Indianapolis, Ind. Acetylene-gas generator. No. 1,097,268; May 19; Gaz. vol. 202; p. 798.
- Tarrant Manufacturing Co. (See Tarrant, William P., assignor.)
- Tarrant, William P., Saratoga Springs, N. Y. Asphalting apparatus. No. 1,086,795; Feb. 10; Gaz. vol. 199; p. 471.
- Tarrant, William P., assignor to Tarrant Manufacturing Co., Saratoga Springs, N. Y. Pouring-pot. No. 1,086,796; Feb. 10; Gaz. vol. 199; p. 471.
- Tartar Chemical Company. (See Moszczenski, John B., assignor.)
- Tartiss, Alfred J., Rochester, N. Y. Spoon. No. 1,108,813; Aug. 25; Gaz. vol. 205; p. 1265.
- Tartrais, Eugène H., Montmorency, France. Rotary distributor for four-cycle internal-combustion engines. No. 1,102,817; July 7; Gaz. vol. 204; p. 208.
- Tassey, Joe C., Nashville, Tenn. Boiler-flue swage. No. 1,102,818; July 7; Gaz. vol. 204; p. 208.
- Tatár, Frank, New York, N. Y. Measuring-receptacle. No. 1,097,570; May 19; Gaz. vol. 202; p. 900.
- Tate, Charles G., assignor to United Motor Equipment Co., Chicago, Ill. Starting device. No. 1,091,092; Mar. 24; Gaz. vol. 200; p. 951.
- Tate, Charles G., Chicago, Ill., assignor, by mesne assignments, to United Motor Equipment Company. Combined priming and sparking plug. No. 1,095,244; May 5; Gaz. vol. 202; p. 24.
- Tate, Earl H., Los Angeles, Cal. Combination furniture structure. No. 1,122,170; Dec. 22; Gaz. vol. 209; p. 1257.
- Tate, Edward H., Malden, assignor to Tate Manufacturing Company, Boston, Mass. Mop. No. 1,097,892; May 26; Gaz. vol. 202; p. 1059.
- Tate, Harry F., Kokomo, Ind. Infant's bath-tub. No. 1,086,628; Feb. 10; Gaz. vol. 199; p. 412.
- Tate, John L., Jersey City, N. J. Way-bill. No. 1,095,435; May 5; Gaz. vol. 202; p. 89.
- Tate, Jones & Company. (See Kirkwood, Robert G., assignor.)
- Tate, Joseph H., Marion, N. C., and W. C. Tate, Waverly, Va. Automatic door-latch. No. 1,084,830; Jan. 20; Gaz. vol. 198; p. 583.
- Tate Manufacturing Company. (See Tate, Edward H., assignor.)
- Tate, Thomas L., Stewardson, assignor of one-half to J. H. Friesner, Strasburg, Ill. Flood-gate. No. 1,111,723; Sept. 22; Gaz. vol. 206; p. 1133.
- Tate, Wilfrong C. (See Tate, Joseph H. and W. C.)
- Tatham, Frederic S. (See Tod, Percy B., assignor.)
- Tatje, Hermann, New York, N. Y. Door-hanger. No. 1,083,954; Jan. 13; Gaz. vol. 198; p. 258.
- Tatje, Hermann, New York, N. Y. Door-hanger. No. 1,083,955; Jan. 13; Gaz. vol. 198; p. 258.
- Tatom, Fletcher L., Brooklyn, Ala. Carbureter. No. 1,099,828; June 9; Gaz. vol. 203; p. 542.
- Tatum, Charles A. (See Calkins, Almon B., assignor.)
- Tatum, Charles A. (See Hall, Willis E., assignor.)
- Tatum, Charles A., Middletown, N. J., assignor to Whitall Tatum Company, New York, N. Y. Atomizer. No. 1,099,474; June 9; Gaz. vol. 203; p. 422.
- Tatum, Charles A., assignor to Whitall Tatum Company, New York, N. Y. Breast-pump. No. 1,101,973; June 30; Gaz. vol. 203; p. 1426.
- Tatum, Charles A., Middletown, N. J., assignor to Whitall Tatum Company, New York, N. Y. Adjustable spray-tip for atomizers and the like. No. 1,120,760; Dec. 15; Gaz. vol. 209; p. 731.
- Tatum, Daniel G., Hendersonville, N. C. Running-gear. No. 1,090,762; Mar. 17; Gaz. vol. 200; p. 805.
- Tatum, Frederick C., *et al.* (See Barrett and Aldrich, assignors.)
- Tatum, Hamling, Elba, Ala. Railway-switch. No. 1,094,268; Apr. 21; Gaz. vol. 201; p. 802.
- Tatum, John J., Baltimore, Md. Collapsible stake-pocket. No. 1,091,546; Mar. 31; Gaz. vol. 200; p. 1148.
- Tatum, John J., Baltimore, Md. Brake head and shoe. No. 1,119,664; Dec. 1; Gaz. vol. 209; p. 263.
- Tatum, John J., Baltimore, Md. Brake-shoe. No. 1,121,209; Dec. 15; Gaz. vol. 209; p. 889.
- Tatum, John J., Baltimore, Md., assignor, by mesne assignments, to P. H. Murphy Company, Parnassus, Pa. Car. No. 1,087,407; Feb. 17; Gaz. vol. 199; p. 731.
- Tatum, John J., Baltimore, Md., assignor, by mesne assignments, to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,087,408; Feb. 17; Gaz. vol. 199; p. 732.
- Tatum, Lewis L., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller. No. 1,101,669; June 30; Gaz. vol. 203; p. 1320.
- Tatum, Lewis L., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Rheostat. No. 1,112,169; Sept. 29; Gaz. vol. 206; p. 1322.
- Tatum, Lewis L., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Rheostat. No. 1,112,170; Sept. 29; Gaz. vol. 206; p. 1322.
- Tatum, Lewis L., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Pressure-gage. No. 1,119,203; Dec. 1; Gaz. vol. 209; p. 106.
- Taub, Ludwig, and H. J. Hahl, Elberfeld, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Acidyl derivatives of C-ortho-allyl-ortho-benzoic acids. No. 1,113,713; Oct. 13; Gaz. vol. 207; p. 497.
- Taub, Ludwig, and G. Fickewirth, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Substance isolated from the apocynaceae and producing the same. No. 1,113,714; Oct. 13; Gaz. vol. 207; p. 497.
- Tauber, John C., Erie, Pa. Mechanism for knitting fleecelined fabric. No. 1,114,414; Oct. 20; Gaz. vol. 207; p. 784.
- Taubert, Albert, New York, N. Y. Green-corn spoon. No. 1,110,161; Sept. 8; Gaz. vol. 206; p. 505.
- Taurman, Alphonso, Richmond, Va. Articulated passenger-car. No. 1,114,552; Oct. 20; Gaz. vol. 207; p. 833.
- Taussig, John H. (See Rusby and Taussig.)
- Taussig, John H., assignor to the United Gas Improvement Company, Philadelphia, Pa. Clamp for vertical-gas-retort doors. No. 1,105,582; July 28; Gaz. vol. 204; p. 1305.
- Taussig, John H., assignor to The United Gas Improvement Company, Philadelphia, Pa. Base-closure for vertical-gas-retorts. No. 1,105,583; July 28; Gaz. vol. 204; p. 1305.
- Taussig, John H., assignor to The United Gas Improvement Company, Philadelphia, Pa. Automatic water-gas set. No. 1,119,472; Dec. 1; Gaz. vol. 209; p. 197.
- Taussig, Maurice, Chicago, Ill. Hinge for horizontally-disappearing doors. No. 1,105,221; July 28; Gaz. vol. 204; p. 1176.
- Taverner, John T., Redbank, Cal. Hame-hook. No. 1,118,700; Nov. 24; Gaz. vol. 208; p. 1249.
- Tawney, Oliver I., Turkey, Ariz. Tray-lifting device for show-cases. No. 1,098,994; June 2; Gaz. vol. 203; p. 215.
- Tawse, John G. (See Cordell and Tawse.)
- Taxameter Aktiengesellschaft. (See Schürzmann, Rudolf, assignor.)
- Taxis, Frederick C., *et al.* (See Hough, William B., assignor.)

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- Taylor, Albert H. (See Bayles and Taylor.)
- Taylor, Albert H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Rotation device for fluid-pressure-operated-hammer tools. No. 1,097,997; May 26; Gaz. vol. 202; p. 1097.
- Taylor, Albert H., and L. C. Bayles, Easton, Pa., assignors to Ingersoll-Rand Company, New York, N. Y. Pressure-reducing valve for air-feed drills. No. 1,086,413; Feb. 10; Gaz. vol. 199; p. 336.
- Taylor, Albert M., Boston, Mass. Watering-trough. No. 1,116,858; Nov. 10; Gaz. vol. 208; p. 525.
- Taylor, Albert W., Peckville, Pa. Drill-bit. No. 1,088,481; Feb. 24; Gaz. vol. 199; p. 1147.
- Taylor, Albertis C., assignor to The National Electric Welder Company, Warren, Ohio. Electrode-point for spot-welding machines. No. 1,096,205; May 12; Gaz. vol. 202; p. 386.
- Taylor, Arthur K., assignor to Taylor Nursery Baby Bed Company, Jacksonville, Fla. Bed. (Reissue.) No. 13,719; Apr. 21; Gaz. vol. 201; p. 860.
- Taylor, Carl E. (See Turnbull and Taylor.)
- Taylor, Cecil H. (See Neuteboom and Taylor.)
- Taylor, Charles C. (See Likely, Charles H., assignor.)
- Taylor, Charles C., Philadelphia, Pa. Combined envelop and coin-carrier. No. 1,108,274; Aug. 25; Gaz. vol. 205; p. 1081.
- Taylor, Charles G. (See Atterbury, John C., assignor.)
- Taylor, Charles H., Newburgh, N. Y. Handle for lawnmowers. No. 1,096,073; May 12; Gaz. vol. 202; p. 342.
- Taylor, Charles H., Montreal, Quebec, Canada. Meter. No. 1,103,384; July 14; Gaz. vol. 204; p. 449.
- Taylor, Clarence W. (See Graham, Leslie R., assignor.)
- Taylor, David H., and B. E. Connelly, Wheeling, W. Va. Driving mechanism. No. 1,109,088; Sept. 1; Gaz. vol. 206; p. 82.
- Taylor, Edward, Owensboro, Ky. Portable hydraulic stretcher. No. 1,110,838; Sept. 15; Gaz. vol. 206; p. 783.
- Taylor, Eugene H., Hyde Park, Mass. Safety device for corner-staying machines. No. 1,111,329; Sept. 22; Gaz. vol. 206; p. 996.
- Taylor, Eugene H., Hyde Park, Mass. Paper-box machine. No. 1,116,759; Nov. 10; Gaz. vol. 208; p. 489.
- Taylor, Eugene H., Hyde Park, Mass. Paster for paper-box machines. No. 1,119,375; Dec. 1; Gaz. vol. 209; p. 164.
- Taylor, Eugene H., Hyde Park, assignor to J. F. Spaulding, Boston, and J. G. Tewksbury, Somerville; E. R. Spaulding, Wellesley, Mass., administrator of said J. F. Spaulding, deceased; A. H. Tewksbury, administrator of said J. G. Tewksbury, deceased. Paper-box machine. No. 1,113,715; Oct. 13; Gaz. vol. 207; p. 497.
- Taylor, Ewing H., Howell, Tenn. Acetylene-gas generator. No. 1,102,107; June 30; Gaz. vol. 203; p. 1475.
- Taylor, Floyd T., New York, N. Y., assignor to The Cutter-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,098,134; May 26; Gaz. vol. 202; p. 1144.
- Taylor, Franklin A., Waterbury, Conn. Chain construction. No. 1,098,597; June 2; Gaz. vol. 203; p. 83.
- Taylor, Frederick W. T., Cricklewood, London, England. Aerial machine. No. 1,122,171; Dec. 22; Gaz. vol. 209; p. 1257.
- Taylor, George, New York, assignor to Emil Grossman Mfg Co. Inc., Brooklyn, N. Y. Mirror attachment for broughams, &c. No. 1,120,654; Dec. 8; Gaz. vol. 209; p. 646.
- Taylor, George P., Holyoke, Mass., assignor, by mesne assignments, to H. W. Cowan, J. L. Wyckoff, and E. N. White, trustees. Truck. No. 1,121,052; Dec. 15; Gaz. vol. 209; p. 834.
- Taylor, George P., Holyoke, Mass., assignor, by mesne assignments, to Cowan Truck Company. Truck. No. 1,122,439; Dec. 29; Gaz. vol. 209; p. 1387.
- Taylor, Gus, Turlock, Cal. Metallic railway-tie and means for securing a rail to the same. No. 1,113,506; Oct. 13; Gaz. vol. 207; p. 426.
- Taylor, Harry, Hamilton, assignor to H. W. Burrett, Toronto, Ontario, Canada. Boat-propeller. No. 1,092,960; Apr. 14; Gaz. vol. 201; p. 322.
- Taylor, Harry T., Petal, Miss. Reamer. No. 1,113,067; Oct. 6; Gaz. vol. 207; p. 226.
- Taylor, Henry, Chicago, Ill. High chair. No. 1,089,288; Mar. 3; Gaz. vol. 200; p. 210.
- Taylor, Henry, Chicago, Ill. Chain-link. No. 1,091,255; Mar. 24; Gaz. vol. 200; p. 1009.
- Taylor, Henry, Chicago, Ill. Go-cart. No. 1,110,162; Sept. 8; Gaz. vol. 206; p. 506.
- Taylor, Herbert C., Greensburg, Ind. Adjustable oven. No. 1,109,263; Sept. 1; Gaz. vol. 206; p. 144.
- Taylor, Herbert C., Greensburg, Ind. Oven. No. 1,120,103; Dec. 8; Gaz. vol. 209; p. 449.
- Taylor, Hugh G., Denver, Colo. Mechanical toy. No. 1,118,248; Nov. 24; Gaz. vol. 208; p. 1088.
- Taylor, Hugh G., Denver, Colo. Puzzle. No. 1,118,912; Nov. 24; Gaz. vol. 208; p. 1319.
- Taylor, Hurley M. (See Carnes, Albert H., assignor.)
- Taylor Instrument Companies. (See Collinson, Francis E., assignor.)
- Taylor Iron & Steel Company. (See Apgar, Marshall F., assignor.)
- Taylor, Isam H., Shreveport, La. Feed-bag-adjusting mechanism. No. 1,098,304; May 26; Gaz. vol. 202; p. 1203.
- Taylor, James A. (See Bagnall and Taylor.)
- Taylor, James C., Boston, assignor of one-third to C. H. Maiers, Norwood, and one-third to J. Galway, Boston, Mass. Automatic shut-off valve. No. 1,106,427; Aug. 11; Gaz. vol. 205; p. 334.
- Taylor, James W., assignor of one-third to G. A. Mohr and one-third to F. L. Fulton, Lansing, Mich. Valve for pneumatic tires. No. 1,108,640; Aug. 25; Gaz. vol. 205; p. 1208.
- Taylor, John, Stoney Stratford, England. Speedometer for motor-cycles. No. 1,102,364; July 7; Gaz. vol. 204; p. 49.
- Taylor, John C., Findlay, Ohio. Car.-coupling. No. 1,098,135; May 26; Gaz. vol. 202; p. 1144.
- Taylor, John D., Edgewood Park, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric signaling system. No. 1,083,306; Jan. 6; Gaz. vol. 193; p. 16.
- Taylor, John D., Edgewood Park, assignor to The Union Switch and Signal Company, Swissvale, Pa. Signal system for railways. No. 1,084,765; Jan. 20; Gaz. vol. 198; p. 561.
- Taylor, John D., Edgewood Park, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric motor. No. 1,102,819; July 7; Gaz. vol. 204; p. 209.
- Taylor, John D., Edgewood Park, assignor to The Union Switch & Signal Company, Swissvale, Pa. Centrifugal device. No. 1,120,252; Dec. 8; Gaz. vol. 209; p. 503.
- Taylor, John L., assignor to H. D. Yerxa, Chicago, Ill. Vending-machine. No. 1,107,462; Aug. 18; Gaz. vol. 205; p. 749.
- Taylor, John L., assignor to H. D. Yerxa, Chicago, Ill. Coin-control mechanism for vending-machines. No. 1,116,163; Nov. 3; Gaz. vol. 208; p. 239.
- Taylor, John L., Chicago, Ill., assignor to Taylor Portable Steel Derrick Company, Gondola derrick. No. 1,111,415; Sept. 22; Gaz. vol. 206; p. 1025.
- Taylor, John L., Chicago, Ill., assignor of one-fourth to Taylor Portable Steel Derrick Company. Derrick. No. 1,111,416; Sept. 22; Gaz. vol. 206; p. 1025.
- Taylor, John R. (See Cameron, Evan, assignor.)
- Taylor, John R., Winnipeg, Manitoba, Canada. Gravity steam-trap. No. 1,122,662; Dec. 29; Gaz. vol. 209; p. 1467.
- Taylor, Joseph and W., Rowland, Nev. Sheep hook or catcher. No. 1,112,867; Oct. 6; Gaz. vol. 207; p. 160.
- Taylor, Joseph W., Paterson, N. J. Plastic composition. No. 1,119,550; Dec. 1; Gaz. vol. 209; p. 225.
- Taylor, Lloyd B. (See Mashek, Frank, assignor.)
- Taylor, Mary D. (See Fogwell, Charles R., assignor.)
- Taylor, Nathan C. (See Clement and Taylor.)
- Taylor, Nicholas, Muskogee, Okla., assignor of one-eighth to F. Stroupe, one-fifth to G. Updegraff, and one-eighth to E. A. Edmondson. Control system for power-transmission mechanism. No. 1,102,557; July 7; Gaz. vol. 204; p. 117.
- Taylor Nursery Baby Bed Company. (See Taylor, Arthur K., assignor.) (Reissue.)
- Taylor Portable Steel Derrick Company. (See Taylor, John L., assignor.)
- Taylor, Ralph G., Davenport, Iowa. Flexible stay-bolt. No. 1,086,737; Feb. 10; Gaz. vol. 199; p. 449.
- Taylor, Ralph G., Davenport, assignor, by mesne assignments, to The Bettendorf Company, Bettendorf, Iowa. Door-operating mechanism for dump-cars. No. 1,087,616; Feb. 17; Gaz. vol. 199; p. 805.
- Taylor, Ralph G., Davenport, assignor, by mesne assignments, to The Bettendorf Company, Bettendorf, Iowa. Operating mechanism for dump-door winding-shafts. No. 1,104,393; July 21; Gaz. vol. 204; p. 840.
- Taylor, Richard J., Regina, Saskatchewan, Canada. Grain-spout for threshing-machines. No. 1,086,871; Feb. 10; Gaz. vol. 199; p. 498.
- Taylor, Richardson H., Meeker, Colo. Dental crown-mover. No. 1,094,269; Apr. 21; Gaz. vol. 201; p. 803.
- Taylor, Robert H. (See Jaqua, Guy R., assignor.)
- Taylor, Robert L., Mount Washington, Md., assignor of one-fourth to C. A. Baughan, Clifton Forge, Va. Safety device for elevators. No. 1,087,560; Feb. 17; Gaz. vol. 199; p. 786.
- Taylor, Samuel W., assignor to The Crown Cork and Seal Co., Baltimore, Md. Apparatus for applying closures to bottles. No. 1,117,533; Nov. 17; Gaz. vol. 208; p. 799.
- Taylor, Scott F., Hyde Park, Mass. Lathe. No. 1,088,850; Mar. 3; Gaz. vol. 200; p. 60.
- Taylor, Thomas, Jr., Hubbard Woods, Ill. Golf-club. No. 1,089,881; Mar. 10; Gaz. vol. 200; p. 461.
- Taylor, Thomas A., Kenton, Ohio. Fuel-heater. No. 1,109,025; Sept. 1; Gaz. vol. 206; p. 61.
- Taylor, Wallace M., assignor of forty-nine one-hundredths to J. Hlatky, Cleveland, Ohio. Rivet-head-cutting machine. No. 1,115,348; Oct. 27; Gaz. vol. 207; p. 1163.
- Taylor, Warren H., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Combination-lock. No. 1,092,874; Apr. 14; Gaz. vol. 201; p. 293.

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- Taylor-Wharton Iron and Steel Company. (See Campbell, Hall, and Howe, assignors.)
- Taylor-Wharton Iron and Steel Company. (See Howe, Henry M., assignor.)
- Taylor, William. (See Taylor, Joseph and W.)
- Taylor, William E., Eastport, Me., assignor to American Can Company, New York, N. Y. Machine for cutting and forming rectangular can-heads. No. 1,091,601; Mar. 31; Gaz. vol. 200; p. 1166.
- Taylor, William E., Eastport, Me., assignor to American Can Company, New York, N. Y. Measuring and feeding mechanism. No. 1,106,012; Aug. 4; Gaz. vol. 205; p. 148.
- Taylor, William E., Eastport, Me., assignor to American Can Company, New York, N. Y. Sheet-metal can for sardines. No. 1,112,037; Sept. 29; Gaz. vol. 206; p. 1276.
- Taylor, William E., Eastport, Me., assignor to American Can Company, New York, N. Y. Measuring and feeding mechanism. No. 1,122,334; Dec. 29; Gaz. vol. 209; p. 1353.
- Taylor, William F., assignor to General Asbestos & Rubber Company, Charleston, S. C. Gasketing-tape. No. 1,108,021; Aug. 18; Gaz. vol. 205; p. 944.
- Taylor, William N. (See Ward and Taylor.)
- Taylor, William O., *et al.* (See Mambourg, Leopold, assignor.)
- Taylor, William W., Montclair, N. J. Metallic building. No. 1,083,773; Jan. 6; Gaz. vol. 198; p. 170.
- Tayman, William E., Washington, D. C. Hand-truck. No. 1,103,162; July 14; Gaz. vol. 204; p. 375.
- Taynor, Albert A. (See Daley and Taynor.)
- Tcherniakofsky, Itzko, Lille, France. Triple-regulation cock for low-pressure heating systems. No. 1,106,594; Aug. 11; Gaz. vol. 205; p. 398.
- Teachout, Franklin D. (See King, Henry N., assignor.)
- Teague, Carl L. (See Tippet and Teague.)
- Teague, Joseph W., Salt Lake City, Utah. Oil-can. No. 1,108,022; Aug. 18; Gaz. vol. 205; p. 945.
- Teal, Arthur E. (See Hobbs and Teal.)
- Teale, Benjamin E. (See Smith and Teale.)
- Teare, William H. (See Black and Teare.)
- Teas, Lewis L. (See Dean and Teas.)
- Teasdale, William O., Manila, Philippine Islands. Electric-light pendant. No. 1,111,623; Sept. 22; Gaz. vol. 206; p. 1097.
- Tebbetts, Lewis B., 2d, St. Louis, Mo. Printing-plate. No. 1,087,561; Feb. 17; Gaz. vol. 199; p. 786.
- Tebbetts, Lewis B., 2d, St. Louis, Mo. Composite metal. No. 1,101,219; June 23; Gaz. vol. 203; p. 1115.
- Tebbetts, Lewis B., 2d, St. Louis, Mo. Composite metal. No. 1,101,220; June 23; Gaz. vol. 203; p. 1115.
- Tebbo, Silas B., Mount Clemens, Mich. Water-heater. No. 1,101,354; June 23; Gaz. vol. 203; p. 1160.
- Tebow, Oury J. (See Young and Tebow.)
- Tebyrica, Jose P. (See Bighetti, Adelino, assignor.)
- Techel, Hans, Kiel, assignor to Fried. Krupp Aktiengesellschaft Germaniaerft, Kiel-Gaarden, Germany. Submarine boat. No. 1,121,210; Dec. 15; Gaz. vol. 209; p. 889.
- Technical Supply Co. (See Krauss, Peter W., assignor.)
- Techno-Chemical Laboratories Limited. (See Boberg, Teofron, assignor.)
- Tedell, John, assignor to Rock Island Plow Company, Rock Island, Ill. Feeding mechanism for furnaces. No. 1,088,379; Feb. 24; Gaz. vol. 199; p. 1114.
- Tedell, John, Moline, assignor to Rock Island Plow Company, Rock Island, Ill. Work-holder. No. 1,119,376; Dec. 1; Gaz. vol. 209; p. 165.
- Tedeschi, Ermete, Somerville, Mass. Drawer-locking mechanism for desks, &c. No. 1,099,522; June 9; Gaz. vol. 203; p. 438.
- Teegarden, Henry A., Union City, Ohio. Combined incubator and brooder. No. 1,086,098; Feb. 3; Gaz. vol. 199; p. 187.
- Teegarden, Henry A., Union City, Ind. Combined incubator and brooder. No. 1,086,954; Feb. 10; Gaz. vol. 199; p. 524.
- Teel, Frank H., Salem, Mass. Leather-working machine. No. 1,091,093; Mar. 24; Gaz. vol. 200; p. 952.
- Teeple, Natalie A., (now by marriage N. A. Stolp,) Philadelphia, Pa. Means of protection for feminine wear. No. 1,109,264; Sept. 1; Gaz. vol. 206; p. 144.
- Teeter, Henry, Johnstown, Pa. Stopper-head and sleeve-brick. No. 1,085,181; Jan. 27; Gaz. vol. 198; p. 737.
- Teeter, Mahlon H., Monticello, Iowa. Adjustable automobile-pedal. No. 1,118,701; Nov. 24; Gaz. vol. 208; p. 1249.
- Teetor, Charles N., Hagerstown, Ind. Valve for internal-combustion engines. No. 1,115,748; Nov. 3; Gaz. vol. 208; p. 96.
- Teetor, Martin, Des Moines, Iowa. Calculating-machine. No. 1,086,244; Feb. 3; Gaz. vol. 199; p. 234.
- Teg, Wilhelm, Lake Park, Minn. Dustless ash-sifter. No. 1,117,106; Nov. 10; Gaz. vol. 208; p. 609.
- Tegarden, Charles A., Colfax, Ind. Leg-band for poultry. No. 1,093,743; Apr. 21; Gaz. vol. 201; p. 628.
- Tegeler, Alois, Nashua, Iowa. Metallic fence-post. No. 1,120,761; Dec. 15; Gaz. vol. 209; p. 731.
- Tegethoff, Chas. C. (See Cooper, Raymond G., assignor.)
- Tehan, John J., Pittsburgh, Pa. Milk bottle or jar protector. No. 1,089,985; Mar. 10; Gaz. vol. 200; p. 497.
- Teich, Ernest L., assignor to The American Hardware Corporation, New Britain, Conn. Cylinder-lock. No. 1,122,816; Dec. 29; Gaz. vol. 209; p. 1521.
- Teichgraeber, Theodor, *et al.* (See Overlach and Körner, assignors.)
- Teichmann, Otto, Cannstatt-Stuttgart, Germany. Machine for working dough and the like. No. 1,096,810; May 12; Gaz. vol. 202; p. 593.
- Teklenburg, William E., Cincinnati, Ohio. Lubricant-pumping mechanism. No. 1,121,777; Dec. 22; Gaz. vol. 209; p. 1121.
- Teleky, Antal, New York, N. Y. Life-preserving garment. No. 1,096,574; May 12; Gaz. vol. 202; p. 512.
- Telelectric Company, The. (See Reed, Walter C., assignor.)
- Telephone Improvement Company, The. (See Clement, Edward E., assignor.) (Reissue.)
- Telepost Company, The. (See Delany, Patrick B., assignor.)
- Telfer, Wilton, Winnipeg, Manitoba, Canada. Attachment to washbasin drain-pipes. No. 1,086,482; Feb. 10; Gaz. vol. 199; p. 361.
- Telfer, Wilton, Winnipeg, Manitoba, Canada. Automatic steam-trap. No. 1,105,112; July 28; Gaz. vol. 204; p. 1138.
- Tellander, Axel W., St. Paul, Minn. Stepping-stool. No. 1,095,945; May 5; Gaz. vol. 202; p. 261.
- Telleson, Edward, Binghamton, N. Y. Syringe-tank. No. 1,092,231; Apr. 7; Gaz. vol. 201; p. 36.
- Telleson, Edward, Binghamton, N. Y. Wheel-mount. No. 1,098,464; June 2; Gaz. vol. 203; p. 38.
- Tellier, Jérémie, assignor of one-half to D. Poirier, New Bedford, Mass. Dobby for looms. No. 1,100,161; June 16; Gaz. vol. 203; p. 696.
- Tellschow Gebrüder. (See Colombo and Hugo, assignors.)
- Temper, August, Milwaukee, Wis. Bottle-holder. No. 1,101,355; June 23; Gaz. vol. 203; p. 1160.
- Temperite Company, The. (See Marx, Richard, assignor.)
- Temple, Frank C., Brunswick, Me. Trunk-cover holder. No. 1,096,964; May 19; Gaz. vol. 202; p. 690.
- Temple, Frederic L., Cedar Grove, N. J., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,122,045; Dec. 22; Gaz. vol. 209; p. 1217.
- Temple, John. (See Clearwater, Temple, and Ramsey.)
- Temple, Robert M., Philadelphia, Pa. Mixer. No. 1,120,563; Dec. 8; Gaz. vol. 209; p. 614.
- Templeton, Calvin M., *et al.* (See Bryant, Clarence R., assignor.)
- Templeton, Henry A., and A. A. Bailey, Sultan, Wash. Egg-turning tray for incubators. No. 1,083,469; Jan. 6; Gaz. vol. 198; p. 71.
- Templeton Kenly & Co. (See Malicki, Joseph, assignor.)
- Templeton, William G., Colorado Springs, Colo. Coffee and tea mixer. No. 1,102,305; July 7; Gaz. vol. 204; p. 29.
- Templeton, William R., Roslindale, Mass. Apparatus for cleansing and sterilizing tumblers. No. 1,114,066; Oct. 20; Gaz. vol. 207; p. 659.
- Templin, Joseph H., assignor, by mesne assignments, to Santo Manufacturing Company, Philadelphia, Pa. Vacuum renovating apparatus. No. 1,108,275; Aug. 25; Gaz. vol. 205; p. 1081.
- Templin, Joseph H., Philadelphia, Pa. Pump for automobile-tires. No. 1,087,201; Feb. 17; Gaz. vol. 199; p. 659.
- Templin, Joseph H., assignor, by mesne assignments, to Santo Manufacturing Company, Philadelphia, Pa. Automatic lubricating device. No. 1,120,344; Dec. 8; Gaz. vol. 209; p. 536.
- Templin, William, Glenellyn, Ill. Stand for books. No. 1,096,575; May 12; Gaz. vol. 202; p. 512.
- Tempus Fugit Indicator Company Limited, The. (See Evans, David, assignor.)
- Ten Eyck, Frank E., Auburn, N. Y., assignor to Auto Atr-Rotar Company. Clutch mechanism. No. 1,120,253; Dec. 8; Gaz. vol. 209; p. 503.
- Ten Eyck, Peter G., Albany, N. Y. Railway signal and switch operating means. No. 1,111,930; Sept. 29; Gaz. vol. 206; p. 1242.
- Tenca, Louis P., assignor to The Eli Lilly & Company, Indianapolis, Ind. Tablet-making machine. No. 1,100,928; June 23; Gaz. vol. 203; p. 1014.
- Tench, Samuel V., *et al.* (See Johnson, John S., assignor.)
- Tench, Samuel V., Lansford, Pa. Plunger for jigs. No. 1,085,509; Jan. 27; Gaz. vol. 198; p. 848.
- Tenney, Charles I., Des Moines, Iowa. Incandescent gas-lamp. No. 1,085,709; Feb. 3; Gaz. vol. 199; p. 45.
- Tenney, Harry O. (See Thomas, Edwin E., assignor.)
- Tension Tire Company. (See Spelshouse, Howard F., assignor.)
- Teppert, Joseph, Buffalo, N. Y. Bow-shortening device for vehicle-tops. No. 1,112,171; Sept. 29; Gaz. vol. 206; p. 1323.
- Terada, Seizi, Seattle, Wash. Fuse-plug. No. 1,094,036; Apr. 21; Gaz. vol. 201; p. 725.
- Terashima, Noboru, Shinnakadori, Wakayama-shi, Japan. Fabric for matting. No. 1,096,404; May 12; Gaz. vol. 202; p. 455.

Alphabetical list of patentees—Continued.

- Terhune, Cornelius F., Clinton, Iowa. Fly-trap. No. 1,091,717; Mar. 31; Gaz. vol. 200; p. 1206.
- Terkelson, Albert C., Oakland, Cal. Deep-well pump. No. 1,097,376; May 19; Gaz. vol. 202; p. 835.
- Terney, Charles F., Brooklyn, assignor to The Barrel & Cask Closure Company, New York, N. Y. Bung bushing and closure for barrels. No. 1,085,571; Jan. 27; Gaz. vol. 198; p. 868.
- Terrel, Jackson L., Stroud, Okla. Cultivator attachment. No. 1,114,310; Oct. 20; Gaz. vol. 207; p. 747.
- Terrey, Arthur. (See Raabe and Terrey.)
- Terrian, Zenford, and J. Lennon, Jr.; said J. Lennon, Jr., assignor to J. Lennon, Sr., Fort Edward, N. Y. Paper and pulp screen. No. 1,115,035; Oct. 27; Gaz. vol. 207; p. 1056.
- Terrien, George C., Suring, Wis. Anchor. No. 1,101,718; June 30; Gaz. vol. 203; p. 1335.
- Terrill, Arthur C., Glendale, Cal. Lock for portable articles. No. 1,103,938; Aug. 4; Gaz. vol. 205; p. 123.
- Terry, Charles, Redditch, England. Link connection for driving-chains. No. 1,121,053; Dec. 15; Gaz. vol. 209; p. 834.
- Terry, Charles A., *et al.*, executors. (See Potter, Henry N.)
- Terry, Charles A., *et al.*, executors. (See Westinghouse, George.)
- Terry, Charles M., Gary, Ind. Scale-remover. No. 1,111,330; Sept. 22; Gaz. vol. 206; p. 996.
- Terry, Coleman A., deceased, New York, N. Y.; E. J. Terry, administratrix, assignor to Terry Core Drill Company. Brake mechanism. No. 1,091,869; Mar. 31; Gaz. vol. 200; p. 1262.
- Terry Core Drill Company. (See Terry, Coleman A., assignor.)
- Terry, David C., Grundyville, Tex. Washing-machine. No. 1,095,604; May 5; Gaz. vol. 202; p. 148.
- Terry, Edward W., Hawthorn, Victoria, Australia. Waterproofing of chrome-tanned leather. No. 1,121,418; Dec. 15; Gaz. vol. 209; p. 960.
- Terry, Emma J., administratrix. (See Terry, Coleman A.)
- Terry, Ira C., Monroe, La. Vehicle wheel-tire. No. 1,098,191; May 26; Gaz. vol. 202; p. 1163.
- Terry, Ira C., Monroe, La. Cultivator-harrow. No. 1,101,356; June 23; Gaz. vol. 203; p. 1160.
- Terry, Joseph T., Jr., San Francisco, Cal. Recovering metalliferous constituents of ores. No. 1,094,760; Apr. 28; Gaz. vol. 201; p. 1034.
- Terry, Joseph T., Jr., San Francisco, Cal. Ore-pulp classifier. No. 1,109,485; Sept. 1; Gaz. vol. 206; p. 221.
- Terry, Lewis W. (See Pinnow, Frederick P., assignor.)
- Terry, Richard A., Roanoke, Va. Oil-burner. No. 1,110,516; Sept. 15; Gaz. vol. 206; p. 670.
- Terry, Thomas F. (See Davis and Terry.)
- Terry, Willard B., Payson, Utah. Farm-gate attachment. No. 1,084,716; Jan. 20; Gaz. vol. 198; p. 544.
- Tervo, Karl A., West Quincy, Mass. Cow-milker. No. 1,105,468; July 28; Gaz. vol. 204; p. 1266.
- Teske, Charles, Wildrose, N. D. Spectacle-frame. No. 1,116,514; Nov. 10; Gaz. vol. 208; p. 400.
- Tesla, Nikola, New York, N. Y. Fountain. No. 1,113,716; Oct. 13; Gaz. vol. 207; p. 498.
- Tesla, Nikola, New York, N. Y. Apparatus for transmitting electrical energy. No. 1,119,732; Dec. 1; Gaz. vol. 209; p. 285.
- Tessier, Julien, assignor to Lubin Manufacturing Company, Philadelphia, Pa. Motion-picture mechanism. No. 1,087,996; Feb. 24; Gaz. vol. 199; p. 983.
- Tessier, Julien, assignor to Lubin Manufacturing Company, Philadelphia, Pa. Film-magazine. No. 1,111,506; Sept. 22; Gaz. vol. 206; p. 1056.
- Tessitore, Joel, Lynn, Mass. Adjustable pattern. No. 1,095,480; May 5; Gaz. vol. 202; p. 106.
- Tessler, Abraham G., Newark, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Cement. No. 1,122,554; Dec. 29; Gaz. vol. 209; p. 1427.
- Tessner, Edward, Milwaukee, Wis. Valve for pneumatic tires. No. 1,114,937; Oct. 27; Gaz. vol. 207; p. 1021.
- Teste, Etienne, Paris, France. Automatic multiple-note horn. No. 1,103,705; July 14; Gaz. vol. 204; p. 565.
- Testrup, Nils. (See Rigby, Thomas, assignor.)
- Testrup, Nils. (See Rigby and Testrup.)
- Testrup, Nils, London, assignor to Lever Brothers, Limited, Port Sunlight, England. Treatment of oils, fats, and the like. No. 1,114,067; Oct. 20; Gaz. vol. 207; p. 659.
- Testrup, Nils, assignor, by mesne assignments, to Wetcarbonizing Limited, London, England. Treatment of sewage and the like. No. 1,116,953; Nov. 10; Gaz. vol. 208; p. 556.
- Testrup, Nils, London, and O. Söderlund, Clapham Park, London, assignors, by mesne assignments, to Wetcarbonizing Limited, London, England. Removal of water from wet carbonized peat. No. 1,094,270; Apr. 21; Gaz. vol. 201; p. 803.
- Testrup, Nils, London, England, and T. Rigby, Dumfries, Scotland, assignors, by mesne assignments, to Wetcarbonizing Limited, London, England. Electric furnace. No. 1,106,166; Aug. 4; Gaz. vol. 205; p. 203.
- Teter, David G., Nokomis, Ill. Combined clod cutter and crusher. No. 1,103,450; July 14; Gaz. vol. 204; p. 472.
- Teter, William E. (See Gray and Teter.)
- Teter, William E., and C. B. Gray, Dallas, Tex. Mechanism for rotating a locomotive-headlight. No. 1,107,726; Aug. 18; Gaz. vol. 205; p. 842.
- Teters, Paul A., Rock Island, Tex. Railway-trestle. No. 1,120,564; Dec. 8; Gaz. vol. 209; p. 614.
- Tetlow, Lewis J., West Springfield, Mass. Aerial machine. No. 1,114,311; Oct. 20; Gaz. vol. 207; p. 747.
- Tetlow, Lewis J., West Springfield, assignor, by mesne assignments, to D. E. Hennessey, Holyoke, Mass. Dash-pot. No. 1,108,276; Aug. 25; Gaz. vol. 205; p. 1081.
- Teufer, Bernhard, Chemnitz, Germany. Treatment of cotton. No. 1,097,377; May 19; Gaz. vol. 202; p. 835.
- Teuf, Franz C., Oil City, Pa., assignor to General Electric Company. Pump. No. 1,112,339; Sept. 29; Gaz. vol. 206; p. 1382.
- Teuteberg, John H., Milan, Mo. Nut-lock. No. 1,100,794; June 23; Gaz. vol. 203; p. 966.
- Tevander, Olof N., and A. Manierre, deceased, Chicago, Ill.; George Manierre, executor. Closure. No. 1,117,147; Nov. 10; Gaz. vol. 208; p. 624.
- Tevander, Swan, Maywood, Ill. Can-tester. No. 1,087,074; Feb. 10; Gaz. vol. 199; p. 563.
- Tevander, Swan, Toledo, Ohio, assignor to American Can Company, New York, N. Y. Machine for closing covers on sheet-steel or other vessels. No. 1,094,950; Apr. 28; Gaz. vol. 201; p. 1100.
- Tewksbury, Anna H., administratrix. (See Taylor, Eugene H.)
- Tewksbury, James G., *et al.* (See Taylor, Eugene H., assignor.)
- Tewksbury, Russell B., Cleveland, Ohio. Thread-forming tool. No. 1,085,643; Feb. 3; Gaz. vol. 199; p. 22.
- Texas Auto Specialty Manufacturing Co. (See Lane, Luther L., assignor.)
- Texter, Charles H., Philadelphia, Pa. Milk-bottle. No. 1,108,023; Aug. 18; Gaz. vol. 205; p. 945.
- Textile Appliances Limited. (See Carver, Thomas A. B., assignor.)
- Textile Machine Works. (See Airhart, Lewis, assignor.)
- Textile Machine Works. (See Rahm, Robert C., assignor.)
- Thacher, George H., Jr., assignor to G. H. Thacher, Sr., Albany, N. Y. Dumping-grate. No. 1,109,265; Sept. 1; Gaz. vol. 206; p. 145.
- Thacher, George H., Jr., assignor to G. H. Thacher, Sr., Albany, N. Y. Inclined grate for furnaces. No. 1,109,266; Sept. 1; Gaz. vol. 206; p. 145.
- Thacher, William A., Lake City, Colo., assignor to The Acid Process Company. Process for treating ores. No. 1,119,473; Dec. 1; Gaz. vol. 209; p. 197.
- Thacker, William R., Council Bluffs, and C. G. Clark, Logan, Iowa. Gasolene-engine. No. 1,107,375; Aug. 18; Gaz. vol. 205; p. 717.
- Thal, Otto S., San Francisco, Cal. Advertising device. No. 1,120,345; Dec. 8; Gaz. vol. 209; p. 536.
- Thale, Harry H., Maywood, Mo. Bee-culture apparatus. No. 1,108,277; Aug. 25; Gaz. vol. 205; p. 1082.
- Thalheim, Richard, Gretna, La. Car-door. No. 1,096,139; May 12; Gaz. vol. 202; p. 364.
- Thalman, Andrew J., and A. A. Hart, Richmond, Cal. Swivel-head hydrant. No. 1,120,861; Dec. 15; Gaz. vol. 209; p. 765.
- Thatcher, Charles L., assignor to Irons and Russell Company, Providence, R. I. Button. No. 1,104,084; July 21; Gaz. vol. 204; p. 735.
- Thatcher, Frank, El Paso, Tex., assignor of one-half to L. M. Stiles, Hachita, N. Mex. Making alcohol. No. 1,096,965; May 19; Gaz. vol. 202; p. 690.
- Thatcher, Hervey D., Potsdam, N. Y. Game. No. 1,106,991; Aug. 11; Gaz. vol. 205; p. 534.
- Thatcher, Walter R., Oskaloosa, Iowa. Oil-gas burner. No. 1,122,817; Dec. 29; Gaz. vol. 209; p. 1521.
- Thayer, Arthur E., West Hartford, Conn. Course-finding instrument. No. 1,113,717; Oct. 13; Gaz. vol. 207; p. 498.
- Thayer, Charles H., administrator. (See Thayer, Julien H.)
- Thayer, Edward J., Independence, Oreg. Automatic pump. No. 1,088,045; Feb. 24; Gaz. vol. 199; p. 1001.
- Thayer, Frank, Callery, Pa. Wrench. No. 1,085,644; Feb. 3; Gaz. vol. 199; p. 23.
- Thayer, Fred N., Binghamton, N. Y. Supporting device. No. 1,084,504; Jan. 13; Gaz. vol. 198; p. 440.
- Thayer, Harry, Sidney, Me. Crow-jack. No. 1,111,195; Sept. 22; Gaz. vol. 206; p. 951.
- Thayer, Horace H., Jr., Wilmington, Del. Bulkhead-door. No. 1,110,410; Sept. 15; Gaz. vol. 206; p. 632.
- Thayer, Julien H., deceased; C. H. Thayer, administrator, Mount Pleasant, N. C. Gin and delinter saw-dressing machine. No. 1,086,483; Feb. 10; Gaz. vol. 199; p. 361.
- Thayer, Paul M., Plymouth, Ind. Automatic stoker for locomotives. No. 1,109,802; Sept. 8; Gaz. vol. 206; p. 373.
- Thayer, Walter, Merion, Pa. Return-envelop. No. 1,091,172; Mar. 24; Gaz. vol. 200; p. 980.
- Thayer, William B. (See Bennett, Willis J., assignor.)
- Theal, Franklin W., and C. A. Blair, Akron, Ohio. Railway-tie. No. 1,112,100; Sept. 29; Gaz. vol. 206; p. 1298.
- Thebaud, John E., Buffalo, N. Y. Auxiliary air-inlet device for internal-combustion engines. No. 1,121,307; Dec. 15; Gaz. vol. 209; p. 922.

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- Thebaud, John E., assignor of one-half to H. C. Nash, Buffalo, N. Y. Lubricant-retainer. No. 1,100,001; June 16; Gaz. vol. 203; p. 640.
- Theberath, John H., South Orange, N. J. Expandible metal link. No. 1,090,581; Mar. 17; Gaz. vol. 200; p. 747.
- Theis, Elmer E., Dayton, Ohio. Permutation switch-lock. No. 1,115,130; Oct. 27; Gaz. vol. 207; p. 1090.
- Theisen, Hans E., Munich, Germany. Apparatus for cleansing, cooling, and mixing gases. No. 1,088,186; Feb. 24; Gaz. vol. 199; p. 1049.
- Theisen, Hans E., Munich, Germany. Liquid-separator. No. 1,088,187; Feb. 24; Gaz. vol. 199; p. 1050.
- Theisen, Hans E., Munich, Germany. Gas-washing apparatus. No. 1,088,188; Feb. 24; Gaz. vol. 199; p. 1050.
- Thenser, John, Caribou, Me. Hand-bag. No. 1,084,301; Jan. 13; Gaz. vol. 198; p. 376.
- Theo. Smith Manufacturing Company. (See Smith, Theodore, assignor.)
- Thestrup, Valdemar, Omaha, Nebr. Sheet-buckling tool. No. 1,108,024; Aug. 18; Gaz. vol. 205; p. 945.
- Theune, Charles, Berlin, Germany. Indicator for determining and recording the current velocities and the cross-sections of rivers and the like. No. 1,103,099; July 14; Gaz. vol. 204; p. 351.
- Thew Automatic Shovel Company, The. (See Harris, Hollis H., assignor.)
- Thibadeau, Joseph, San Francisco, Cal. Mold. No. 1,091,901; Mar. 21; Gaz. vol. 200; p. 1271.
- Thibault, Joseph A. (See Martel and Thibault.)
- Thibault, Onésime, Fall River, Mass. Screening-shovel. No. 1,087,849; Feb. 17; Gaz. vol. 199; p. 885.
- Thickens, John H., assignor to The Beaver Company, Buffalo, N. Y. Wall-board. No. 1,121,951; Dec. 22; Gaz. vol. 209; p. 1183.
- Thie, John W., Mediapolis, Iowa. Whip-operating device. No. 1,112,340; Sept. 29; Gaz. vol. 206; p. 1382.
- Thiel, Heinrich, Ruhla, Germany. Escapement for running-gears. No. 1,106,253; Aug. 4; Gaz. vol. 205; p. 231.
- Thiele, Albrecht, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Sulfo compounds of quinolin-4-carboxylic acids arylated in the 2 position. No. 1,091,870; Mar. 31; Gaz. vol. 200; p. 1262.
- Thiele, Ludwig A., Holland, Mich. Fumigator. No. 1,095,043; Apr. 28; Gaz. vol. 201; p. 1131.
- Thiemann, Ernest F., Milwaukee, Wis. Molding-machine. No. 1,084,048; Jan. 13; Gaz. vol. 198; p. 292.
- Thiemann, Ernest F., Milwaukee, Wis. Means for filling moving flasks. No. 1,084,049; Jan. 13; Gaz. vol. 198; p. 292.
- Thieme, Fred K., *et al.* (See Showalter, Roy C., assignor.)
- Thieme, Herwarth, Magdeburg, Germany. Barrel-shaker. No. 1,100,852; June 23; Gaz. vol. 203; p. 986.
- Thieme, Otto, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Back-spacing mechanism for paper-carriages. No. 1,096,074; May 12; Gaz. vol. 202; p. 342.
- Thieme, Otto, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Calculating-machine. No. 1,100,929; June 23; Gaz. vol. 203; p. 1014.
- Thieme, Otto, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Carriage-return mechanism. No. 1,120,862; Dec. 15; Gaz. vol. 209; p. 766.
- Thienel, Alois G., New York, N. Y. Curling-machine. No. 1,116,164; Nov. 3; Gaz. vol. 208; p. 239.
- Thierry, Charles V., Paris, France. Electric zinc-furnace with integral condenser. No. 1,110,359; Sept. 15; Gaz. vol. 206; p. 614.
- Thierry, Charles V. and M., Paris, France. Electric zinc-furnace with integral condenser. No. 1,122,663; Dec. 29; Gaz. vol. 209; p. 1467.
- Thierry, Charles V. and M., Paris, France. Electric zinc-furnace with integral condenser. No. 1,122,664; Dec. 29; Gaz. vol. 209; p. 1467.
- Thierry, Michel. (See Thierry, Charles V. and M.)
- Thies, Frederick A., New York, N. Y. Snake-puller. No. 1,108,025; Aug. 18; Gaz. vol. 205; p. 945.
- Thies, Jacob W. N., New York, N. Y. Ice-box. No. 1,106,167; Aug. 4; Gaz. vol. 205; p. 204.
- Thiesen, Christen U., Pensacola, Fla. Parcel-post envelop. No. 1,117,927; Nov. 17; Gaz. vol. 208; p. 937.
- Thiesen, Jacob J. (See Thiesen, Peter W. and J. J.)
- Thiesen, Peter W. and J. J., Tulare county, Cal. Pump. No. 1,091,173; Mar. 24; Gaz. vol. 200; p. 980.
- Thiman, Knut G., New York, N. Y. Lock mechanism and key therefor. No. 1,107,376; Aug. 18; Gaz. vol. 205; p. 718.
- Thlogen Company, The. (See Young, Stewart W., assignor.)
- Thiss, George R., assignor to Barnum Trunk Company, Minneapolis, Minn. Knockdown table for automobiles. No. 1,104,018; July 21; Gaz. vol. 204; p. 711.
- Thissenius, Hans. (See Johnson and Thissenius.)
- Thivolle, Joseph L., assignor to Constructions Industrielles Dijonnaises, Dijon, France. Explosion-motor. No. 1,087,470; Feb. 17; Gaz. vol. 199; p. 755.
- Thoenig, William H., Detroit, assignor to Vanguard Manufacturing Company, Hamtramck, Mich. Windshield. No. 1,123,150; Dec. 29; Gaz. vol. 209; p. 1639.
- Thoeni, Herman, Spokane, Wash. Tree-support. No. 1,084,240; Jan. 13; Gaz. vol. 198; p. 357.
- Thoens, Burchard, New York, N. Y. Means for propelling vehicles. No. 1,121,419; Dec. 15; Gaz. vol. 209; p. 960.
- Thoin, Thomas, West Springfield, Mass. Amusement device. No. 1,096,474; May 12; Gaz. vol. 202; p. 479.
- Thom, George L., Brooklyn, N. Y., assignor to Ideal Coated Paper Co., Brookfield, Mass. Binding and sealing tape. No. 1,089,986; Mar. 10; Gaz. vol. 200; p. 498.
- Thom, George L., Brooklyn, N. Y., assignor to W. W. McLaurin, Brookfield, Mass. Punch. No. 1,098,696; June 2; Gaz. vol. 203; p. 117.
- Thom, James C., Chicago, Ill., assignor to Weyman-Bruton Company, New York, N. Y. Machine for packing pulverulent material. No. 1,092,232; Apr. 7; Gaz. vol. 201; p. 37.
- Thoma, Andrew, Cambridge, assignor to Clifton Manufacturing Company, Boston, Mass. Insole-finishing machine. No. 1,108,026; Aug. 18; Gaz. vol. 205; p. 946.
- Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Machine for filling the bottoms of shoes. No. 1,113,381; Oct. 13; Gaz. vol. 207; p. 381.
- Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Shoe-bottom filler and making same. No. 1,114,819; Oct. 27; Gaz. vol. 207; p. 979.
- Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Plastic composition for shoe-fillers. No. 1,115,988; Nov. 3; Gaz. vol. 208; p. 179.
- Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Using shoe-bottom filler. No. 1,118,161; Nov. 24; Gaz. vol. 208; p. 1053.
- Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Shoe-bottom filler. No. 1,120,634; Dec. 8; Gaz. vol. 209; p. 640.
- Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Paste shoe-filler and making same. No. 1,121,054; Dec. 15; Gaz. vol. 209; p. 834.
- Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Plastic shoe-bottom filler and making same. No. 1,121,688; Dec. 22; Gaz. vol. 209; p. 1091.
- Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Tough shoe-bottom filler. No. 1,121,689; Dec. 22; Gaz. vol. 209; p. 1091.
- Thoman, Alexander, Sr., Arkona, Ontario, Canada. Locating-buoy. No. 1,096,966; May 19; Gaz. vol. 202; p. 691.
- Thomas, Adaline, guardian. (See Thomas, Mark M.)
- Thomas, Adelbert A., assignor to Farrington Manufacturing Company, Boston, Mass. Box. No. 1,092,961; Apr. 14; Gaz. vol. 201; p. 322.
- Thomas, Adolph A., Chicago, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Automatic time-accounting device. No. 1,084,672; Jan. 20; Gaz. vol. 198; p. 527.
- Thomas, Andrew. (See Balogh and Thomas.)
- Thomas, Anthony H., Jr., and N. Williamson, Atlanta, Ga. Cuspidor. No. 1,118,071; Nov. 24; Gaz. vol. 208; p. 1028.
- Thomas & Armstrong Company, The. (See Hames, Harry C., assignor.)
- Thomas, August, Salt Lake City, Utah. Device for turning crank-pins on engine-shafts. No. 1,114,068; Oct. 20; Gaz. vol. 207; p. 660.
- Thomas & Betts Company. (See McMurtrie, Adnah, assignor.)
- Thomas & Betts Company. (See Thomas, Robert M., assignor.)
- Thomas, Bradford A., San Francisco, Cal. Hydrocarbon-burner. No. 1,092,308; Apr. 7; Gaz. vol. 201; p. 65.
- Thomas, Bradford A., assignor of fifty-five one hundredths to M. Auerbach and forty-five one hundredths to F. J. Silvey, San Francisco, Cal. Monkey-wrench. No. 1,114,415; Oct. 20; Gaz. vol. 207; p. 785.
- Thomas, Calvin W., assignor of one-half to L. D. Short, Peoria, Ill. Drum. No. 1,090,426; Mar. 17; Gaz. vol. 200; p. 693.
- Thomas, Carl C., Roland Park, Md. Sampling-tube for calorimeters. No. 1,108,278; Aug. 25; Gaz. vol. 205; p. 1082.
- Thomas, Charles A., Birmingham, Ala., assignor of one-half to F. A. Mayer, Washington, D. C. Means for keeping open telltale holes of stay-bolts. No. 1,117,463; Nov. 17; Gaz. vol. 208; p. 776.
- Thomas, Charles F., Chicago, Ill. Indicating attachment for mail-boxes. No. 1,119,551; Dec. 1; Gaz. vol. 209; p. 225.
- Thomas, Charles W., Laurel Springs, N. J., assignor to Silica Stone Works, Plainbrook, Pa. Process and apparatus for manufacturing stone. No. 1,093,363; Apr. 14; Gaz. vol. 201; p. 460.
- Thomas, Edmund, Erie, Pa. Rolling-mill. No. 1,083,774; Jan. 6; Gaz. vol. 198; p. 170.

Alphabetical list of patentees--Continued.

- Thomas, Edward, Alton, Ill. Nut-lock. No. 1,116,760; Nov. 10; Gaz. vol. 208; p. 490.
- Thomas, Edward G., New York, N. Y. Force-measuring machine. No. 1,120,762; Dec. 15; Gaz. vol. 209; p. 731.
- Thomas, Edward G., Boston, Mass., assignor to Lamson Company, Newark, N. J. Power control. No. 1,104,019; July 21; Gaz. vol. 204; p. 711.
- Thomas, Edwin. (See Langley and Thomas.)
- Thomas, Edwin E., assignor of one-half to H. O. Tenney, Portland, Oreg. Pneumatic water-elevator. No. 1,115,131; Oct. 27; Gaz. vol. 207; p. 1090.
- Thomas, Edwin L., Buffalo, N. Y. Explosion-engine. No. 1,088,851; Mar. 3; Gaz. vol. 200; p. 60.
- Thomas, Ferdinand, New York, N. Y. Tile structure. No. 1,106,168; Aug. 4; Gaz. vol. 205; p. 204.
- Thomas, Florin C., Washington, Pa. Index system. No. 1,084,174; Jan. 13; Gaz. vol. 198; p. 334.
- Thomas, Fred A., Pawtucket, R. I. Horse drinking-fountain. No. 1,111,507; Sept. 22; Gaz. vol. 206; p. 1056.
- Thomas, Frederic W., New City, N. Y. Diaphragm for sound-reproducers. No. 1,116,165; Nov. 3; Gaz. vol. 208; p. 239.
- Thomas, Frederic W., New City, N. Y. Diaphragm for sound-reproducers. No. 1,116,166; Nov. 3; Gaz. vol. 208; p. 240.
- Thomas, Frederick W. (See Rosino and Thomas.)
- Thomas, Genevieve C., Omaha, Nebr. Automobile-cap. No. 1,115,615; Nov. 3; Gaz. vol. 208; p. 50.
- Thomas, Georg, Breslau, Germany. Spark-arrester. No. 1,118,452; Nov. 24; Gaz. vol. 208; p. 1163.
- Thomas, George, Pittsburgh, Pa. Vehicle bow-spring. No. 1,101,586; June 30; Gaz. vol. 203; p. 1291.
- Thomas, George A., and C. Heberer, Valeria, assignors of one-third to A. H. Heberer, Mings, Iowa. Shingler's chair. No. 1,113,068; Oct. 6; Gaz. vol. 207; p. 226.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric outlet-fitting. No. 1,100,505; June 16; Gaz. vol. 203; p. 814.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electrical receptacle. No. 1,104,577; July 21; Gaz. vol. 204; p. 907.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Shade-holder. No. 1,106,234; Aug. 4; Gaz. vol. 205; p. 231.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric-lamp receptacle for signs. No. 1,110,163; Sept. 8; Gaz. vol. 206; p. 506.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electrical fitting. No. 1,118,827; Nov. 24; Gaz. vol. 208; p. 1290.
- Thomas, George B., assignor to The Perkins Electric Switch Manufacturing Company, Bridgeport, Conn. Push-button switch. No. 1,102,967; July 7; Gaz. vol. 204; p. 258.
- Thomas, George H. (See Kransse and Thomas.)
- Thomas, George H., Mineral Ridge, Ohio. Engine-starter. No. 1,118,598; Nov. 24; Gaz. vol. 208; p. 1214.
- Thomas, George P., Glenshaw, Pa. Metal-punching machine. No. 1,122,440; Dec. 29; Gaz. vol. 209; p. 1387.
- Thomas, Harry A., Springfield, Ill. Electric-battery cell. No. 1,090,763; Mar. 17; Gaz. vol. 200; p. 805.
- Thomas, Henry S., and C. H. McFarlinz, Fargo, Okla. Header. No. 1,090,802; Mar. 17; Gaz. vol. 200; p. 819.
- Thomas, Hopkins, assignor of one-half to W. R. Thomas, Sr., Catasauqua, Pa. Friction-clutch. No. 1,110,972; Sept. 15; Gaz. vol. 206; p. 829.
- Thomas, Horace T., Lansing, Mich. Carbureter. No. 1,120,763; Dec. 15; Gaz. vol. 209; p. 732.
- Thomas, Jacob, Newark, Del. Wall-paper-trimming machine. No. 1,098,770; June 2; Gaz. vol. 203; p. 140.
- Thomas, James F., Clarinda, Iowa. Exercising apparatus. No. 1,096,206; May 12; Gaz. vol. 202; p. 386.
- Thomas, James J., Whiting, Iowa. Shoe-lacer. No. 1,083,775; Jan. 6; Gaz. vol. 198; p. 171.
- Thomas, James L., Wilmington, Del. Rail-joint. No. 1,090,175; Mar. 17; Gaz. vol. 200; p. 605.
- Thomas, Jesse B. (See Estes, Dana, assignor.)
- Thomas, John. (See Hollis, Elbert H., assignor.)
- Thomas, John B., Lakewood, N. J. Railway-bed and rail-support. No. 1,109,267; Sept. 1; Gaz. vol. 206; p. 146.
- Thomas, John G. P., Chiswick, London, England. Suspension of rail-car bodies and the like. No. 1,099,949; June 16; Gaz. vol. 203; p. 621.
- Thomas, John G. P., Chiswick, England. Railway motor-coach. No. 1,106,169; Aug. 4; Gaz. vol. 205; p. 204.
- Thomas, John H., Bloomfield, N. J., assignor to Thomas Motive Power Company. Air-compressor. No. 1,109,154; Sept. 1; Gaz. vol. 206; p. 105.
- Thomas, John W., Pottsville, Pa. Furnace. No. 1,084,175; Jan. 13; Gaz. vol. 198; p. 335.
- Thomas, John W., Kansas City, Kans. Switch-stand. No. 1,121,778; Dec. 22; Gaz. vol. 209; p. 1121.
- Thomas Laughlin Co., The. (See Laughlin, Robert S., assignor.)
- Thomas, Leroy, Mombaccus, N. Y. Gearing for washing-machines. No. 1,107,727; Aug. 18; Gaz. vol. 205; p. 843.
- Thomas, Lewis A., Irricana, Alberta, Canada. Tandem draft connection for harvesters. No. 1,085,367; Jan. 27; Gaz. vol. 198; p. 802.
- Thomas, Luther B., Shreveport, assignor of one-tenth to J. M. Robinson, Bayou Lachute, La. Combined measuring and dispensing bin. No. 1,090,764; Mar. 17; Gaz. vol. 200; p. 805.
- Thomas, Luther B., Shreveport, assignor of one-tenth to J. M. Robinson, Bayou La Chute, La. Measuring and dispensing bin. No. 1,095,245; May 5; Gaz. vol. 202; p. 24.
- Thomas, Luther B., Shreveport, assignor of one-tenth to J. M. Robinson, Bayou La Chute, La. Combined measuring and dispensing bin. No. 1,097,149; May 19; Gaz. vol. 202; p. 755.
- Thomas, Luther B., Shreveport, assignor of one-tenth to J. M. Robinson, Bayou La Chute, La. Dispensing-bin. No. 1,118,381; Nov. 24; Gaz. vol. 208; p. 1137.
- Thomas Manufacturing Company, The. (See Pelton, Charles H., assignor.)
- Thomas, Marion L., Pasadena, Cal. Smoking implement. No. 1,118,828; Nov. 24; Gaz. vol. 208; p. 1290.
- Thomas, Mark M., minor; A. Thomas, guardian, assignor of one-third to M. S. Thomas and one-third to F. M. Gillum, Rifle, Colo. Railway safety appliance. No. 1,096,766; May 12; Gaz. vol. 202; p. 577.
- Thomas, Mark S., et al. (See Thomas, Mark M., assignor.)
- Thomas, Martin E., Cassaday, assignor of one-fourth to B. P. Belk, one-fourth to L. Hays, and one-fourth to W. R. Francis and W. Payne, Bowling Green, Ky. Train-stopping apparatus. No. 1,117,107; Nov. 10; Gaz. vol. 208; p. 610.
- Thomas, Marvin G., Basin, Wyo. Pipe. No. 1,111,196; Sept. 22; Gaz. vol. 206; p. 951.
- Thomas, Mary E., assignor of one-half to J. M. Fullerton, Pittsburgh, Pa. Garment-hanger. No. 1,089,832; Mar. 10; Gaz. vol. 200; p. 462.
- Thomas, Mathonihah, et al. (See Burton, Charles W., assignor.)
- Thomas Motive Power Company. (See Thomas, John H., assignor.)
- Thomas P. Taylor Co., The. (See Jameson, George P., assignor.)
- Thomas, Paul W., Brooklyn, N. Y. Door-hanger. No. 1,106,992; Aug. 11; Gaz. vol. 205; p. 534.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electrical distribution system. No. 1,091,256; Mar. 24; Gaz. vol. 200; p. 1009.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Mercury-vapor outfit and circuit therefor. No. 1,110,586; Sept. 15; Gaz. vol. 206; p. 694.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Alternating-current vapor-lamp. No. 1,110,587; Sept. 15; Gaz. vol. 206; p. 694.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Operation of vapor-converters. No. 1,110,588; Sept. 15; Gaz. vol. 206; p. 695.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Alternating-current vapor device. No. 1,110,589; Sept. 15; Gaz. vol. 206; p. 695.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Regulation of systems of electrical distribution. No. 1,110,590; Sept. 15; Gaz. vol. 206; p. 696.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Method of and apparatus for starting vapor devices. No. 1,110,591; Sept. 15; Gaz. vol. 206; p. 696.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. System of distribution by vapor electric converters. No. 1,110,592; Sept. 15; Gaz. vol. 206; p. 696.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. System of distribution by vapor electric converters. No. 1,110,593; Sept. 15; Gaz. vol. 206; p. 697.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Operation of vapor-converters. No. 1,110,594; Sept. 15; Gaz. vol. 206; p. 697.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Operation of vapor-converters. No. 1,110,595; Sept. 15; Gaz. vol. 206; p. 698.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. System of electrical distribution. No. 1,110,596; Sept. 15; Gaz. vol. 206; p. 698.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Starting device for vapor-converters. No. 1,110,597; Sept. 15; Gaz. vol. 206; p. 698.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Alternating and direct current electric distribution. No. 1,110,598; Sept. 15; Gaz. vol. 206; p. 699.

Alphabetical list of patentees—Continued.

- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Means for starting vapor-converters in series. No. 1,110,599; Sept. 15; Gaz. vol. 206; p. 699.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Three-wire system of electrical distribution. No. 1,110,658; Sept. 15; Gaz. vol. 206; p. 721.
- Thomas, Percy H., Pittsburgh, Pa., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Single-phase gas or vapor electric apparatus. No. 1,110,582; Sept. 15; Gaz. vol. 206; p. 692.
- Thomas, Percy H., Pittsburgh, Pa., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electrical distribution system. No. 1,110,583; Sept. 15; Gaz. vol. 206; p. 693.
- Thomas, Percy H., Pittsburgh, Pa., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electrical distribution system. No. 1,115,455; Oct. 27; Gaz. vol. 207; p. 1200.
- Thomas, Percy H., Pittsburgh, Pa., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electrical distribution system. No. 1,115,456; Oct. 27; Gaz. vol. 207; p. 1201.
- Thomas, Percy H., East Orange, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Means for keeping vapor-converters alive. No. 1,110,584; Sept. 15; Gaz. vol. 206; p. 693.
- Thomas, Percy H., East Orange, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Controlling device for vapor apparatus. No. 1,110,585; Sept. 15; Gaz. vol. 206; p. 694.
- Thomas, Percy H., Upper Montclair, assignor to Cooper Hewitt Electric Co., Hoboken, N. J. Vapor electric apparatus. No. 1,110,600; Sept. 15; Gaz. vol. 206; p. 700.
- Thomas, Percy H., Upper Montclair, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Cooling device for vapor electric apparatus. No. 1,110,601; Sept. 15; Gaz. vol. 206; p. 700.
- Thomas, Percy H., Upper Montclair, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric apparatus adapted for operation in series. No. 1,110,602; Sept. 15; Gaz. vol. 206; p. 701.
- Thomas, Percy H., Upper Montclair, assignor to Cooper Hewitt Electric Co., Hoboken, N. J. Mercury-vapor apparatus. No. 1,110,063; Sept. 15; Gaz. vol. 206; p. 701.
- Thomas, Phillips, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Condenser. No. 1,112,397; Sept. 29; Gaz. vol. 206; p. 1403.
- Thomas Potter, Sons & Company. (See Potter, Stover, and Munz, assignors.)
- Thomas, Robert M., Elizabeth, N. J., assignor to Thomas & Betts Company, New York, N. Y. Treatment of pipes and the like. No. 1,121,308; Dec. 15; Gaz. vol. 209; p. 922.
- Thomas, Robert T. (See Snyder, Augustus G., assignor.)
- Thomas, Rose, Foraker, Okla. Rake. No. 1,117,108; Nov. 10; Gaz. vol. 208; p. 610.
- Thomas Steel Reinforcement Company. (See Obenaur, Frederick P., assignor.)
- Thomas, Stephen S., Gulfport, Miss. Cotton-picker. No. 1,107,633; Aug. 18; Gaz. vol. 205; p. 809.
- Thomas, Stephen S., Gulfport, Miss. Cotton-picker. No. 1,122,172; Dec. 22; Gaz. vol. 209; p. 1257.
- Thomas, Thomas W., Portland, Oreg. Loose-leaf loose-card book. No. 1,119,768; Dec. 1; Gaz. vol. 209; p. 297.
- Thomas, Walter G., Grass Valley, Cal. Dental mallet and plugger. No. 1,084,766; Jan. 20; Gaz. vol. 198; p. 561.
- Thomas, William, *et al.* (See Hale, William H., assignor.)
- Thomas, William B., Caledonia, Miss. Agricultural implement. No. 1,113,382; Oct. 13; Gaz. vol. 207; p. 382.
- Thomas, William L., Hutchins, Tex. Vehicle for cotton-pickers. No. 1,089,603; Mar. 10; Gaz. vol. 200; p. 367.
- Thomas, William M., Oceanside, Cal. Concrete bridge construction. No. 1,097,269; May 19; Gaz. vol. 202; p. 798.
- Thomas, William M., Los Angeles, Cal. Reinforced-concrete bridge construction. No. 1,120,104; Dec. 8; Gaz. vol. 209; p. 449.
- Thomas, William R., Sr. (See Thomas, Hopkins, assignor.)
- Thomaschewski, Paul. (See Thun, Tust, and Thomaschewski.)
- Thomason, Eugene, *et al.* (See Samuels, John, assignor.)
- Thomason, Frank D. (See Joyce, Dorothy C., assignor.)
- Thomasson, Hiram S., Portland, Iowa. Spark-plug. No. 1,107,634; Aug. 18; Gaz. vol. 205; p. 810.
- Thome, John R., Baltimore, Md. Portable sanitary pail-cleaner. No. 1,091,094; Mar. 24; Gaz. vol. 200; p. 952.
- Thompson, Aaron L., Lansing, Minn. Vehicle-coupling. No. 1,103,163; July 14; Gaz. vol. 204; p. 376.
- Thompson, Albert. (See Dewar, George M., assignor.)
- Thompson, Albert, Philadelphia, Pa. Life-raft. No. 1,104,845; July 28; Gaz. vol. 204; p. 1046.
- Thompson, Albert E., Aurora, Ohio. Railway-tie and rail-fastener. No. 1,097,270; May 19; Gaz. vol. 202; p. 799.
- Thompson, Albert E., Hamilton, Ontario, Canada. Neck-tie-retainer. No. 1,100,271; June 16; Gaz. vol. 203; p. 734.
- Thompson, Albert M. (See Gray, William C., assignor.)
- Thompson, Albert R. (See Anderson and Thompson.)
- Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Cal. Exhaust-box for cans. No. 1,097,893; May 26; Gaz. vol. 202; p. 1059.
- Thompson, Albert W., Lowell, assignor to Saco-Lowell Shops, Boston, Mass. Spindle-drive mechanism for spinning, twisting, or like machines. No. 1,119,127; Dec. 1; Gaz. vol. 209; p. 79.
- Thompson, Andrew T. (See Shabley, Charles, assignor.)
- Thompson, Asa, Spartanburg, S. C. Automatic hoe. No. 1,089,351; Mar. 3; Gaz. vol. 200; p. 230.
- Thompson, Augustus F., Huntington, W. Va. Gas-burner. No. 1,099,829; June 9; Gaz. vol. 203; p. 542.
- Thompson, Bartlett H., North Adams, assignor of one-half to G. Wallace, Williamstown, Mass. Electric rail-bond. No. 1,098,192; May 26; Gaz. vol. 202; p. 1163.
- Thompson, Benjamin F., Arlington, Md. Telegraph system. No. 1,106,750; Aug. 11; Gaz. vol. 205; p. 451.
- Thompson, Bert E., Indianapolis, Ind. Automobile-hood. No. 1,104,942; July 28; Gaz. vol. 204; p. 1081.
- Thompson, Carl S., Dallas, Tex. Tool for driving corrugated fasteners. No. 1,108,279; Aug. 25; Gaz. vol. 205; p. 1083.
- Thompson, Carl S., Dallas, Tex. Ventilating and air-cooling system. No. 1,117,612; Nov. 17; Gaz. vol. 208; p. 826.
- Thompson, Charles, Portland, Oreg. Mechanical toy. No. 1,113,587; Oct. 13; Gaz. vol. 207; p. 453.
- Thompson, Charles E., Cleveland, Ohio. Valve. No. 1,106,064; Aug. 4; Gaz. vol. 205; p. 167.
- Thompson, Charles H., Stourbridge, England. Cleaning metal surfaces. No. 1,098,338; May 26; Gaz. vol. 202; p. 1215.
- Thompson, Charles H., assignor to Thornhill Wagon Company, Lynchburg, Va. Adjustable brake-lever. No. 1,088,247; Feb. 24; Gaz. vol. 199; p. 1070.
- Thompson, Charles M., Yellow Pine, La. Cloth-measuring device. No. 1,100,629; June 16; Gaz. vol. 203; p. 854.
- Thompson, Earl P. F., Troy, Tex. Device for stacking mail-matter. No. 1,094,271; Apr. 21; Gaz. vol. 201; p. 803.
- Thompson, Edward M., Beloit, Wis., assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation. Means for compensating tachometers for temperature variations. No. 1,088,943; Mar. 3; Gaz. vol. 200; p. 93.
- Thompson, Edward M., Beloit, Wis., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Instrument-dial illuminator. No. 1,118,969; Dec. 1; Gaz. vol. 209; p. 23.
- Thompson, Edwin C., and L. S. Dromgold, Chicago, Ill. Device for practising golf-strokes. No. 1,091,985; Mar. 31; Gaz. vol. 200; p. 1299.
- Thompson, Ellis E., Cedar Rapids, Iowa. Burglar-proof safe. No. 1,113,507; Oct. 13; Gaz. vol. 207; p. 426.
- Thompson, Enos, Radnor, W. Va. Spark-extinguisher. No. 1,109,486; Sept. 1; Gaz. vol. 206; p. 221.
- Thompson, Ford D., New York, N. Y. Sectional trunk. No. 1,101,357; June 23; Gaz. vol. 203; p. 1161.
- Thompson, Frederick L., Memphis, Tenn. Combination dough roller and cutter. No. 1,100,853; June 23; Gaz. vol. 203; p. 986.
- Thompson, George, Chicago, Ill. Die-press for forming railway-car journal-boxes. No. 1,106,902; Aug. 11; Gaz. vol. 205; p. 504.
- Thompson, George E., McCook, Nebr. Monolithic constructor. No. 1,107,377; Aug. 18; Gaz. vol. 205; p. 718.
- Thompson, George T., Washington, D. C. Spectacular display apparatus. No. 1,106,255; Aug. 4; Gaz. vol. 205; p. 231.
- Thompson, Gilbert O., Bantury, N. D. Make-and-break igniter. No. 1,102,365; July 7; Gaz. vol. 204; p. 49.
- Thompson, Harry G., Vancouver, British Columbia, Canada. Apparatus for launching ships' boats. No. 1,116,761; Nov. 10; Gaz. vol. 208; p. 490.
- Thompson, Harry H., Hagerstown, Md. Card-rack. No. 1,103,100; July 14; Gaz. vol. 204; p. 352.
- Thompson, Henry E., Newark, assignor of three-fourths to P. L. Gallagher, Verona, and one-fourth to J. D. Gallagher, Glen Ridge, N. J. Molding-flask. No. 1,104,085; July 21; Gaz. vol. 204; p. 735.
- Thompson, Henry P., Grove Crescent, Kingston-upon-Thames, England. Manufacturing embossing-plates. No. 1,086,484; Feb. 10; Gaz. vol. 199; p. 361.
- Thompson, Hezekiah, Windsor, Mo. Shipping-package. No. 1,102,820; July 7; Gaz. vol. 204; p. 209.
- Thompson, Horace W., East Cleveland, assignor to Bardons and Oliver, Cleveland, Ohio. Chuck mechanism. No. 1,118,072; Nov. 24; Gaz. vol. 208; p. 1029.
- Thompson, Irwin M., De Ridder, La. Bale-band tie. No. 1,095,946; May 5; Gaz. vol. 202; p. 262.
- Thompson, James A., *et al.* (See Robinson, Arthur J., assignor.)
- Thompson, James M., Milwaukee, Wis. Gear-casing for grinding-machines. No. 1,089,022; Mar. 3; Gaz. vol. 200; p. 119.
- Thompson, James M., assignor to Luther Bros. Co., Milwaukee, Wis. Tool-driving mechanism. No. 1,104,747; July 21; Gaz. vol. 204; p. 963.

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- Thompson, Jay K., Gary, Ind. Spacing device for punching-machines. No. 1,105,113; July 28; Gaz. vol. 204; p. 1139.
- Thompson, John F., Brooklyn, and E. E. Seelye, Tompkinsville, N. Y., assignor, by mesne assignments, to The International Nickel Company. Preventing oxidation of metals during annealing. No. 1,085,768; Feb. 3; Gaz. vol. 199; p. 69.
- Thompson, John H., Elyria, Ohio. Bracket. No. 1,096,967; May 19; Gaz. vol. 202; p. 691.
- Thompson, John S., Chicago, Ill. Type casting and composing machine. No. 1,119,769; Dec. 1; Gaz. vol. 209; p. 297.
- Thompson, John S., Chicago, Ill. Static collecting and discharging mechanism. No. 1,120,984; Dec. 15; Gaz. vol. 209; p. 808.
- Thompson, John S., assignor to Thompson Type Machine Company, Chicago, Ill. Type-casting machine. No. 1,119,733; Dec. 1; Gaz. vol. 209; p. 285.
- Thompson, Joseph O., Guilford, Mo. Manure-spreader. No. 1,101,358; June 23; Gaz. vol. 203; p. 1161.
- Thompson, Knight H., assignor to D. W. Cummins, Shelby, Ohio. Electric lamp for vehicles. No. 1,120,001; Dec. 8; Gaz. vol. 209; p. 415.
- Thompson, La Marcus A., assignor to The L. A. Thompson Scenic Railway Company, New York, N. Y. Signaling device for racing-coasters. No. 1,102,821; July 7; Gaz. vol. 204; p. 210.
- Thompson, La Marcus A., assignor to The L. A. Thompson Scenic Railway Company, New York, N. Y. Safety device for pleasure-railway cars. No. 1,102,822; July 7; Gaz. vol. 204; p. 210.
- Thompson, Lauris L., Austin, Minn. Flax-sieve for threshing-machines. No. 1,116,167; Nov. 3; Gaz. vol. 208; p. 240.
- Thompson, Livingston A., Milwaukee, Wis. Mixing apparatus. No. 1,087,152; Feb. 17; Gaz. vol. 199; p. 642.
- Thompson, Louis W. (See Gardner, Frederick N. and F. E., assignors.)
- Thompson, M. K., *et al.* (See Kaylor, William, assignor.)
- Thompson, Mary E., Newark, N. J. Ventilating device. No. 1,114,938; Oct. 27; Gaz. vol. 207; p. 1022.
- Thompson, Melville C., *et al.* (See Williams, Joseph, Jr., assignor.)
- Thompson, Milo C., Salem, Iowa. Spring-tensioned rolling cutter. No. 1,103,101; July 14; Gaz. vol. 204; p. 353.
- Thompson, Milton D., South Portland, assignor to The Thompson Propeller Company, Portland, Me. Device for facilitating the running of piping. No. 1,118,970; Dec. 1; Gaz. vol. 209; p. 23.
- Thompson, Milton E., Ridgway, Pa. Turbine-wheel. No. 1,108,945; Sept. 1; Gaz. vol. 206; p. 31.
- Thompson, Nels F., Kansas City, Mo. Bottle-closure. No. 1,104,578; July 21; Gaz. vol. 204; p. 907.
- Thompson, Owen A. (See Overly and Thompson.)
- Thompson, Peter. (See Roshon, Israel A., assignor.)
- Thompson Propeller Company, The. (See Thompson, Milton D., assignor.)
- Thompson, Richard W., Jr., Kendal, England. Skillet-making machine. No. 1,099,950; June 16; Gaz. vol. 203; p. 621.
- Thompson, Robert M., Tacoma, Wash. Course and speed indicating device for flying-machines. No. 1,121,309; Dec. 15; Gaz. vol. 209; p. 922.
- Thompson, Ross E. (See Ripley, Gladson, and Thompson.)
- Thompson, Roy, and C. Elrich, Otranto Station, Iowa. Attachment for cultivators. No. 1,091,403; Mar. 24; Gaz. vol. 200; p. 1055.
- Thompson, Samuel B., Vancouver, British Columbia, Canada. Street-car brake. No. 1,121,952; Dec. 22; Gaz. vol. 209; p. 1183.
- Thompson, Stacy C., Manistee, Mich. Table. No. 1,089,289; Mar. 3; Gaz. vol. 200; p. 210.
- Thompson Stacy C., Manistee, Mich. Clothes-rack. No. 1,089,290; Mar. 3; Gaz. vol. 200; p. 210.
- Thompson, Thomas, Brighton, Iowa. Ladder. No. 1,101,359; June 23; Gaz. vol. 203; p. 1161.
- Thompson, Thomas A., Loretto, Ky. Bedstead attachment. No. 1,088,800; Mar. 3; Gaz. vol. 200; p. 43.
- Thompson, Thomas L., Kingfisher, Okla. Wood-filling composition. No. 1,088,637; Feb. 24; Gaz. vol. 199; p. 1198.
- Thompson Type Machine Company. (See Thompson, John S., assignor.)
- Thompson, Uldric, Jr., Ithaca, N. Y. Recording apparatus for dredges and the like. No. 1,097,378; May 19; Gaz. vol. 202; p. 835.
- Thompson, Walter S., Ardmore, and J. F. Henderson, assignors of one-third to W. H. Sheneman, Philadelphia, Pa. Motor-vehicle. No. 1,086,738; Feb. 10; Gaz. vol. 199; p. 450.
- Thompson, Warren E., and W. A. Lockhart, Southbridge, Mass.; said Lockhart assignor to said Thompson. Swaging-machine. No. 1,099,523; June 9; Gaz. vol. 203; p. 439.
- Thompson, Wilkie H. (See Gerlach and Thompson.)
- Thompson, William D. (See Phillips, Columbus, assignor.)
- Thompson, William D., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,101,820; June 30; Gaz. vol. 203; p. 1371.
- Thompson, William F., assignor of one-half to W. C. Lohmeyer, Springfield, Mo. Self-calculating scale. No. 1,095,246; May 5; Gaz. vol. 202; p. 25.
- Thompson, William F., and J. Looney, Biggs, Cal. Cooling attachment for explosive-motors. No. 1,107,728; Aug. 18; Gaz. vol. 205; p. 843.
- Thompson, William J., New York, N. Y. Filing-cabinet. No. 1,083,776; Jan. 6; Gaz. vol. 198; p. 171.
- Thompson, William J., Thomas, W. Va. Prostatic urinal. No. 1,097,894; May 26; Gaz. vol. 202; p. 1059.
- Thompson, William D., and D. W. Hawksworth, assignors to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,089,604; Mar. 10; Gaz. vol. 200; p. 367.
- Thompson, Willis M., Lancaster, Nebr. Wagon. No. 1,088,189; Feb. 24; Gaz. vol. 199; p. 1051.
- Thompson, Willsie A. S., *et al.* (See Gray, Jesse L., assignor.)
- Thomsen, Andreas B. C., Copenhagen, Denmark. Self-registering compass. No. 1,120,565; Dec. 8; Gaz. vol. 209; p. 614.
- Thomsen, Charles M. (See Weigel, Charles, assignor.)
- Thomsen, Halfdan C. (See Erickson, William, assignor.)
- Thomsen, Peter. (See Schmidt and Thomsen.)
- Thomsen, Peter, assignor to Schmidt'sche Heissdampf Gesellschaft m. b. H., Cassel-Wilhelmshöhe, Germany. Connecting member for superheater-element ends. No. 1,112,868; Oct. 6; Gaz. vol. 207; p. 160.
- Thomsen, Peter, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshöhe, Germany. Smoke-tube superheater. No. 1,116,646; Nov. 10; Gaz. vol. 208; p. 450.
- Thomsen, Peter, and E. Doettloff, assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung, Cassel, Germany. Locomotive-boiler with smoke-tube superheater. No. 1,120,764; Dec. 15; Gaz. vol. 209; p. 732.
- Thomsen, Theodor, Charlottenburg, Germany, assignor to General Electric Company. Multistage-turbine. No. 1,090,110; Mar. 10; Gaz. vol. 200; p. 541.
- Thomson, David F., Cambridge, assignor to The Forbes Lithograph Manufacturing Company, Boston, Mass. Display device. No. 1,103,327; July 14; Gaz. vol. 204; p. 432.
- Thomson Electric Welding Company. (See Thomson, Elihu, assignor.)
- Thomson, Elihu, Swampscott, assignor to Thomson Electric Welding Company, Lynn, Mass. Electric seam-welding. No. 1,083,956; Jan. 13; Gaz. vol. 198; p. 259.
- Thomson, Elihu, Swampscott, assignor to Thomson Electric Welding Company, Lynn, Mass. Spot-welding machine. No. 1,084,673; Jan. 20; Gaz. vol. 198; p. 527.
- Thomson, Elihu, Swampscott, assignor to Thomson Electric Welding Company, Lynn, Mass. Spot-welding thin sheets. No. 1,085,769; Feb. 3; Gaz. vol. 199; p. 69.
- Thomson, Elihu, Swampscott, assignor to Thomson Electric Welding Company, Lynn, Mass. Spot-welding. No. 1,097,895; May 26; Gaz. vol. 202; p. 1060.
- Thomson, Elihu, Swampscott, assignor to Thomson Electric Welding Company, Lynn, Mass. Spot-welding machine. No. 1,122,665; Dec. 29; Gaz. vol. 209; p. 1468.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Turbo ship-steadying device. No. 1,093,159; Apr. 14; Gaz. vol. 201; p. 391.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Speed-indicator. No. 1,095,131; Apr. 28; Gaz. vol. 201; p. 1160.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Power-transmitting mechanism. No. 1,095,132; Apr. 28; Gaz. vol. 201; p. 1161.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Internal-combustion engine and operating same. No. 1,096,405; May 12; Gaz. vol. 202; p. 455.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Oil-engine. No. 1,105,047; July 28; Gaz. vol. 204; p. 1116.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. System of distribution. No. 1,105,716; Aug. 4; Gaz. vol. 205; p. 46.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Centrifugal pump. No. 1,112,238; Sept. 29; Gaz. vol. 206; p. 1347.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Propelling ships by polyphase electric current. No. 1,118,382; Nov. 24; Gaz. vol. 208; p. 1137.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Hydraulic clutch mechanism. No. 1,118,384; Nov. 24; Gaz. vol. 208; p. 1138.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Telephone metering system. No. 1,121,953; Dec. 22; Gaz. vol. 209; p. 1183.
- Thomson, Elihu, Lynn, Mass., assignor to General Electric Company. Centrifugal pump. No. 1,118,383; Nov. 24; Gaz. vol. 208; p. 1137.

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- Thomson, Henry C., Boston, and H. N. Michaelsen, Canton, Mass., assignors to Electric Goods Manufacturing Company. Igniter. No. 1,106,525; Aug. 11; Gaz. vol. 205; p. 372.
- Thomson, Herbert G., New York, N. Y. Wire-netting machine. No. 1,085,510; Jan. 27; Gaz. vol. 198; p. 849.
- Thomson, Hugh A., Glasgow, Scotland. Apparatus for operating the points of railways, tramways, and the like. No. 1,089,987; Mar. 10; Gaz. vol. 200; p. 498.
- Thomson, Hugh A., assignor to Scientific Treatments Limited, Glasgow, Scotland. Ozone-producer. No. 1,105,717; Aug. 4; Gaz. vol. 205; p. 47.
- Thomson, James S., Seattle, Wash. Sleigh attachment for motor-vehicles. No. 1,105,939; Aug. 4; Gaz. vol. 205; p. 124.
- Thomson, James S., Seattle, Wash. Propeller for auto-sleigh mechanism. No. 1,105,940; Aug. 4; Gaz. vol. 205; p. 124.
- Thomson, Jennie L., Tunkhannock, Pa. Means for teaching spelling and the like. No. 1,099,324; June 9; Gaz. vol. 203; p. 371.
- Thomson, John, New York, N. Y. Electric zinc-furnace with integral condenser. No. 1,086,414; Feb. 10; Gaz. vol. 199; p. 336.
- Thomson, John, New York, N. Y. Electric zinc-furnace with integral condenser. No. 1,086,415; Feb. 10; Gaz. vol. 199; p. 336.
- Thomson, John, New York, N. Y. Electric zinc-furnace with integral compound resistors and compound condensers. No. 1,086,416; Feb. 10; Gaz. vol. 199; p. 336.
- Thomson, John, New York, N. Y. Electric zinc-furnace with integral condenser. No. 1,086,417; Feb. 10; Gaz. vol. 199; p. 337.
- Thomson, John, New York, N. Y. Universal electric zinc-furnace with integral condenser. No. 1,086,418; Feb. 10; Gaz. vol. 199; p. 337.
- Thomson, John, New York, N. Y. Electric zinc-furnace with integral condenser. No. 1,090,427; Mar. 17; Gaz. vol. 200; p. 693.
- Thomson, John, New York, N. Y. Electric zinc-furnace with integral condenser. No. 1,090,428; Mar. 17; Gaz. vol. 200; p. 694.
- Thomson, John, New York, N. Y. Universal electric furnace, combined with means for condensing zinc. No. 1,090,429; Mar. 17; Gaz. vol. 200; p. 694.
- Thomson, John, New York, N. Y., assignor to John Thomson Press Company, Jersey City, N. J. Printing-press. No. 1,113,508; Oct. 13; Gaz. vol. 207; p. 427.
- Thomson, Ralph E. (See Allsop, Sibson, Lowe, and Thomson.)
- Thomson, Samuel G. (See Thomson, William P. and S. G.)
- Thomson, Thomas W. B., Edson, Alberta, Canada. Combined fishing-rod handle and reel. No. 1,119,474; Dec. 1; Gaz. vol. 209; p. 198.
- Thomson, William P. and S. G., Philadelphia, Pa. Railway-tie. No. 1,105,718; Aug. 4; Gaz. vol. 205; p. 47.
- Thomson, William P. and S. G., Philadelphia, Pa. Railway-tie. No. 1,105,719; Aug. 4; Gaz. vol. 205; p. 47.
- Thomson, William P. and S. G., Philadelphia, Pa. Railway-tie. No. 1,105,720; Aug. 4; Gaz. vol. 205; p. 48.
- Thomson, William S., assignor to The H. D. Smith & Company, Plantsville, Conn. Making threaded tool members and blanks for the same. No. 1,118,073; Nov. 24; Gaz. vol. 208; p. 1029.
- Thomson, William S., assignor to The H. D. Smith & Company, Plantsville, Conn. Pipe-wrench. No. 1,122,335; Dec. 29; Gaz. vol. 209; p. 1354.
- Thordarson, Chester H., Chicago, Ill. Machine for winding insulated coils and the like. No. 1,113,718; Oct. 13; Gaz. vol. 207; p. 498.
- Thordarson, Chester H., Chicago, Ill. Machine for cutting strips from web material. No. 1,116,954; Nov. 10; Gaz. vol. 208; p. 557.
- Thoren, Adolph H., Leahy, Wash. Water-power wheel. No. 1,103,706; July 14; Gaz. vol. 204; p. 565.
- Thorman, Christopher J. (See White, Fred C., Jr., assignor.)
- Thorman, Frank. (See Bromet, Thorman, and Wood.)
- Thorndike, Herbert W., assignor to F. W. Webb Manufacturing Company, Boston, Mass. Floor connection. No. 1,107,209; Aug. 11; Gaz. vol. 205; p. 610.
- Thorne, Charles S., assignor to The Thorne Hold-Fast Metal Bar Company, Troy, N. Y. Store-front construction. No. 1,085,229; Jan. 27; Gaz. vol. 198; p. 754.
- Thorne Hold-Fast Metal Bar Company, The. (See Thorne, Charles S., assignor.)
- Thorne, Robert H. (See Miller and Thorne.)
- Thorne, Robert H., assignor of one-half to J. L. Hough, Williamsport, Pa. Hydrant. No. 1,083,307; Jan. 6; Gaz. vol. 198; p. 16.
- Thorne, Walter L., Cincinnati, Ohio. Lasting-tack puller. No. 1,101,105; June 23; Gaz. vol. 203; p. 1074.
- Thorney, Emil. (See Thorney, William and E.)
- Thorney, William and E., Denver, Colo. Combustion-engine. No. 1,103,451; July 14; Gaz. vol. 204; p. 472.
- Thornhill, Edwin B., Gray Summit, Mo. Extraction of mercury from its ores and other materials. No. 1,119,377; Dec. 1; Gaz. vol. 209; p. 165.
- Thornhill Wagon Company. (See Thompson, Charles H., assignor.)
- Thorniley, Clarence W., Electra, Tex. Well-drilling apparatus. No. 1,092,309; Apr. 7; Gaz. vol. 201; p. 65.
- Thorniley, Clarence W., Electra, Tex. Table attachment for beds. No. 1,096,327; May 12; Gaz. vol. 202; p. 431.
- Thornley, Albert E., assignor to Narragansett Machine Company, Pawtucket, R. I. Gymnasium apparatus. No. 1,094,823; Apr. 28; Gaz. vol. 201; p. 1056.
- Thornley, Albert J., assignor to Narragansett Machine Company, Pawtucket, R. I. Locker system for gymnasiums. No. 1,087,850; Feb. 17; Gaz. vol. 199; p. 885.
- Thornley, Frederic S., Clarion, Iowa. Internal-combustion engine. No. 1,093,659; Apr. 21; Gaz. vol. 201; p. 599.
- Thornley, Frederic S., Clarion, Iowa. Explosive-engine. No. 1,096,968; May 19; Gaz. vol. 202; p. 691.
- Thornley, Harry. (See Thornley and Booth.)
- Thornley, Olney, Coyle, Okla. Vehicle-lamp. No. 1,094,272; Apr. 21; Gaz. vol. 201; p. 803.
- Thornley, Samuel and H., and J. Booth, Hyde, England. Bandeau for hats. No. 1,089,291; Mar. 3; Gaz. vol. 200; p. 211.
- Thornton, Edmund B. (See Gyger, Jasper O., assignor.)
- Thornton, Harry B., Cincinnati, Ohio, and J. W. Hammond, Longbeach, assignors to A. E. Davis, San Diego, Cal. Gas-meter. No. 1,090,507; Mar. 17; Gaz. vol. 200; p. 722.
- Thornton, John E., Altrincham, England, assignor to Fireproof Film Company. Photographic film for film-packs, changing-boxes, cameras, and the like. No. 1,098,535; June 2; Gaz. vol. 203; p. 63.
- Thornton, John E., and H. Kuhn, assignors to Fireproof Film Company, Rochester, N. Y. Apparatus for making photographic films. No. 1,116,762; Nov. 10; Gaz. vol. 208; p. 490.
- Thornton, John N., Bridgeport, Conn. Bath-tub heater. No. 1,112,038; Sept. 29; Gaz. vol. 206; p. 1276.
- Thornton, William E., and H. E. Parker, Philadelphia, Pa. Gas-iron. No. 1,105,721; Aug. 4; Gaz. vol. 205; p. 48.
- Thorp, Charles J., Detroit, Mich. Bottle-closure. No. 1,115,616; Nov. 3; Gaz. vol. 208; p. 50.
- Thorp, James M., Alameda, Cal. Nail-shield. No. 1,084,870; Jan. 20; Gaz. vol. 198; p. 596.
- Thorp, L. W. (See Holmes, Frank M., assignor.)
- Thorp, Sydney H., Charters Towers, Queensland, Australia. Garment-holding belt. No. 1,095,947; May 5; Gaz. vol. 202; p. 262.
- Thorp, Winfield S., New York, N. Y. Game apparatus. No. 1,095,436; May 5; Gaz. vol. 202; p. 89.
- Thorpe, Arthur C., assignor of one-half to J. Butler, Stockton, Cal. Fastening for pulleys. No. 1,087,265; Feb. 17; Gaz. vol. 199; p. 683.
- Thorpe, Arthur C. and H. E., Stockton, Cal. Staff-holder. No. 1,096,869; May 19; Gaz. vol. 202; p. 655.
- Thorpe, George B., Chicago, Ill. Roller window-screen. No. 1,091,095; Mar. 24; Gaz. vol. 200; p. 953.
- Thorpe, George W., Geneva, N. Y. Fur-stretcher. No. 1,110,016; Sept. 8; Gaz. vol. 206; p. 451.
- Thorpe, Henry E. (See Thorpe, Arthur C. and H. E.)
- Thorpe, Joseph B., Highlandville, assignor to Brown Burrell Co., Boston, Mass. Infant's band. No. 1,106,687; Aug. 11; Gaz. vol. 205; p. 429.
- Thorpe, William P., Sugargrove, Pa. Machine for washing milk-cans. No. 1,111,624; Sept. 22; Gaz. vol. 206; p. 1097.
- Thorsby, Karl J., Oakland, assignor to California Corrugated Culvert Company, West Berkeley, Cal. Cinch for sheet-metal pipe. No. 1,104,579; July 21; Gaz. vol. 204; p. 907.
- Thorschmidt, Ernest C., New York, N. Y. Moistening device. No. 1,101,719; June 30; Gaz. vol. 203; p. 1335.
- Thorschmidt, Ernest C., New York, N. Y. Candy-wrapping machine. No. 1,108,027; Aug. 18; Gaz. vol. 205; p. 946.
- Thorschmidt, Ernest C., New York, N. Y. Stave bending and forming machine. No. 1,108,946; Sept. 1; Gaz. vol. 206; p. 31.
- Thorschmidt, Ernest C., New York, N. Y. Liquid measuring and dispensing device. No. 1,115,036; Oct. 27; Gaz. vol. 207; p. 1056.
- Thorslend, Charly A., Berwyn, Ill. Railway safety appliance. No. 1,105,863; Aug. 4; Gaz. vol. 205; p. 97.
- Thorson, Gustave N., Kansas City, Mo. Nut-lock. No. 1,100,105; June 16; Gaz. vol. 203; p. 676.
- Thorson, Willie, Sparta, Mich. Automatic stop for elevators. No. 1,084,505; Jan. 13; Gaz. vol. 198; p. 440.
- Thorspeck, Louis K., Casco township, Allegan county, Mich. Metal wheel. No. 1,095,298; May 5; Gaz. vol. 202; p. 43.
- Thorstinson, Walter, Winnipeg, Manitoba, Canada. Switch-point-controlling device. No. 1,089,685; Mar. 10; Gaz. vol. 200; p. 395.
- Thos. Cusack Company. (See Conover, Harvey, assignor.)
- Thos, Firth and Sons. (See Strange, Harry B., assignor.)

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- Thousand, Adolph, Weston, Ohio. Autogenous welding outfit. No. 1,094,761; Apr. 28; Gaz. vol. 201; p. 1035.
- Thrall, George E., W. S., and P. O., Washington, D. C. Scaffold. No. 1,113,509; Oct. 13; Gaz. vol. 207; p. 427.
- Thrall, Perry O. (See Thrall, George E., W. S., and P. O.)
- Thrall, William S. (See Thrall, George E., W. S., and P. O.)
- Three Kays Carbon Compound Company. (See Olin, Abraham S., assignor.)
- Threlkeld, John H., Chariton, Iowa. Automatic stock and poultry fountain. No. 1,102,176; June 30; Gaz. vol. 203; p. 1498.
- Threm, William E., Cincinnati, Ohio. Combined fish-hook and sinker. No. 1,103,707; July 14; Gaz. vol. 204; p. 566.
- Thring, Alfred C., Philadelphia, Pa. Sun-power water-heater. No. 1,093,498; Apr. 14; Gaz. vol. 201; p. 502.
- Throckmorton, Isaac W., Richmond, Va. Safety device for elevators. No. 1,118,162; Nov. 24; Gaz. vol. 208; p. 1058.
- Thropp, John E., P. D. Thropp, Trenton, and A. De Laski, Weehawken, assignors to The De Laski and Thropp Circular Woven Tire Company, Trenton, N. J. Machine for making or building up pneumatic tires. No. 1,119,326; Dec. 1; Gaz. vol. 209; p. 146.
- Thropp, Peter D. (See Thropp and De Laski.)
- Thrun, Herman A. J., Ellson, Minn. Saw-handle. No. 1,086,310; Feb. 3; Gaz. vol. 199; p. 254.
- Thull, Frank J., Minneapolis, Minn. Twine-cutter. No. 1,087,471; Feb. 17; Gaz. vol. 199; p. 756.
- Thullen, Joseph C., Leetonia, Ohio, and L. H. Thullen, Edgewood Park, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. No. 1,097,197; May 19; Gaz. vol. 202; p. 772.
- Thullen, Louis H. (See Thullen, Joseph C. and L. H.)
- Thullen, Louis H., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric railway and signaling system therefor. No. 1,092,411; Apr. 7; Gaz. vol. 201; p. 99.
- Thullen, Louis H., Edgewood Park, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric railway. No. 1,094,494; Apr. 28; Gaz. vol. 201; p. 939.
- Thullen, Louis H., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signaling system for railways. No. 1,094,495; Apr. 28; Gaz. vol. 201; p. 939.
- Thullen, Louis H., Edgewood Park, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. No. 1,109,879; Sept. 8; Gaz. vol. 206; p. 401.
- Thullen, Louis H., Edgewood Park, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signaling system for railways. No. 1,109,880; Sept. 8; Gaz. vol. 206; p. 402.
- Thullen, Louis H., Edgewood Park, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signaling system for railways. No. 1,109,881; Sept. 8; Gaz. vol. 206; p. 402.
- Thum, William, Hammond, Ind. Electrolytic apparatus. No. 1,095,748; May 5; Gaz. vol. 202; p. 196.
- Thum, William, Hammond, Ind. Apparatus for refining and desilverizing lead. No. 1,106,480; Aug. 11; Gaz. vol. 205; p. 355.
- Thum, William, Hammond, Ind., assignor to United States Metals Refining Co., New York, N. Y. Separating bismuth from copper. No. 1,098,854; June 2; Gaz. vol. 203; p. 168.
- Thumb, Eugene W., Chicago, Ill. Carton. No. 1,103,708; July 14; Gaz. vol. 204; p. 566.
- Thumm, Gottlob P., Lowell, Mass. Beer-carbonating device. No. 1,100,036; June 16; Gaz. vol. 203; p. 651.
- Thun, Carl, Elberfeld, P. Tust and P. Thomaschewski, Vohwinkel, near Elberfeld, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Red alumina color-lake. No. 1,090,352; Mar. 17; Gaz. vol. 200; p. 666.
- Thun, Carl, Elberfeld, P. Tust and P. Thomaschewski, Vohwinkel, near Elberfeld, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Red alumina color-lakes obtained from aminoxanthopurpurin-sulfonic acids. No. 1,090,353; Mar. 17; Gaz. vol. 200; p. 666.
- Thunhart, Titus, Leoben, Styria, Austria-Hungary. Rope railway. No. 1,109,371; Sept. 1; Gaz. vol. 206; p. 184.
- Thurber, Charles H., Framingham, assignor to Ginn & Company, Boston, Mass. Chart. No. 1,087,336; Feb. 17; Gaz. vol. 199; p. 707.
- Thurber, Fred T. (See Norton, James A., assignor.)
- Thurber, Frederick H., Newark, N. J., assignor, by mesne assignments, to Gurney Electric Elevator Company, Honesdale, Pa. Elevator-brake. No. 1,088,744; Mar. 3; Gaz. vol. 200; p. 25.
- Thurber, Guy P., assignor, by mesne assignments, to Automatic Train Control & Signal Company, Pittsburgh, Pa. Air-washer. No. 1,116,647; Nov. 10; Gaz. vol. 208; p. 450.
- Thurber, Guy P., assignor, by mesne assignments, to Automatic Train Control & Signal Company, Pittsburgh, Pa. Throttle-valve controller. No. 1,117,278; Nov. 17; Gaz. vol. 208; p. 710.
- Thurlow, Ira M., assignor to The Berlin Machine Works, Beloit, Wis. Intermittent-grip device. No. 1,097,571; May 19; Gaz. vol. 202; p. 900.
- Thurman, Charles R., assignor to Electric Renovator Manufacturing Co., Pittsburgh, Pa. Dust-collector. No. 1,109,372; Sept. 1; Gaz. vol. 206; p. 184.
- Thurman, Charles R., assignor to Electric Renovator Manufacturing Company, Pittsburgh, Pa. Pipe-coupling. No. 1,115,989; Nov. 3; Gaz. vol. 208; p. 179.
- Thurman, William B., Madera, Cal. Ironing-board. No. 1,092,610; Apr. 7; Gaz. vol. 201; p. 168.
- Thurmond, Thomas D., Forsyth, Ga. Adjustable matrix for teeth-fillings. No. 1,095,948; May 5; Gaz. vol. 202; p. 262.
- Thurmond, Walter J., Columbus, Ga. Attachment for dental impression-cups. No. 1,117,928; Nov. 17; Gaz. vol. 208; p. 937.
- Thurston, Charles W., and S. E. Dudley, London, England. Book-cover. No. 1,103,102; July 14; Gaz. vol. 204; p. 353.
- Thurston, Cye A. (See Searles, Harry R., assignor.)
- Thurston, Howard, Coscob, Conn. Amusement apparatus. No. 1,083,308; Jan. 6; Gaz. vol. 198; p. 17.
- Thurston, Howard, Coscob, Conn. Amusement apparatus. No. 1,099,951; June 16; Gaz. vol. 203; p. 622.
- Thurston, Howard, Coscob, Conn. Amusement apparatus. No. 1,099,952; June 16; Gaz. vol. 203; p. 622.
- Thurston, Howard, Coscob, Conn. Apparatus for producing stage effects. No. 1,104,846; July 28; Gaz. vol. 204; p. 1047.
- Thurston-McCormick Co. (See McCormick, Langdon, assignor.)
- Thurston, William R., Hammond, Ind. Locomotive acetylene-gas headlight. No. 1,089,605; Mar. 10; Gaz. vol. 200; p. 367.
- Thurston, William T., Quincy, assignor of one-fourth to J. J. Lawlor, Concord, and one-fourth to F. L. Jones, Melrose, Mass. Nut-lock. No. 1,110,839; Sept. 15; Gaz. vol. 206; p. 783.
- Thust, George J., Detroit, Mich. Tube-rolling machine. No. 1,113,383; Oct. 13; Gaz. vol. 207; p. 382.
- Thwing, Charles B., assignor to Thwing Instrument Company, Philadelphia, Pa. Graphic recorder. No. 1,085,511; Jan. 27; Gaz. vol. 198; p. 849.
- Thwing, Charles B., assignor to Thwing Instrument Company, Philadelphia, Pa. Graphic recorder. No. 1,119,665; Dec. 1; Gaz. vol. 209; p. 263.
- Thwing Instrument Company. (See Thwing, Charles B., assignor.)
- Thydean, Custer L., Bigfork, Minn. Motor-sled. No. 1,115,617; Nov. 3; Gaz. vol. 208; p. 51.
- Tibb, John. (See Fader and Tibb.)
- Tibb, John W. (See Fader and Tibb.)
- Tibbe, Louis, and C. A. Rhoten, Macon, Ohio. Automatic hay-baler. No. 1,120,346; Dec. 8; Gaz. vol. 209; p. 537.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,097,777; May 26; Gaz. vol. 202; p. 1018.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,097,778; May 26; Gaz. vol. 202; p. 1019.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,111,773; Sept. 29; Gaz. vol. 206; p. 1186.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Engine. No. 1,113,510; Oct. 13; Gaz. vol. 207; p. 427.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor-control mechanism. No. 1,116,955; Nov. 10; Gaz. vol. 208; p. 557.
- Tibbetts, Milton, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Wind-shield. No. 1,120,863; Dec. 15; Gaz. vol. 209; p. 766.
- Tibbits, George W., Los Angeles, Cal. Vehicle-spring. No. 1,111,045; Sept. 22; Gaz. vol. 206; p. 898.
- Tibble, Frederick, Muskegon, Mich. Stop and waste cock. No. 1,092,310; Apr. 7; Gaz. vol. 201; p. 65.
- Tibbott, Frederick M., and E. Lemander, assignors to Emerson Piano Company, Boston, Mass. Hinge connection. No. 1,111,774; Sept. 29; Gaz. vol. 206; p. 1186.
- Tice, William A., et al. (See Atkins, William, assignor.)
- Tichborne, William H., Wheeling, W. Va. Drinking-cup. No. 1,117,109; Nov. 10; Gaz. vol. 208; p. 610.
- Tichenor, Clyde V. (See Tichenor, Squire W. and C. V.)
- Tichenor, Squire W. and C. V., Matanzas, Ky. Vehicle running-gear. No. 1,089,988; Mar. 10; Gaz. vol. 200; p. 498.
- Tichota, August. (See Tichota, Vencel J. and A.)
- Tichota, Vencel J., Dodge, Nebr. Draft-equalizer. No. 1,093,087; Apr. 14; Gaz. vol. 201; p. 365.
- Tichota, Vencel J. and A., Dodge, Nebr. Draft-equalizer. No. 1,096,140; May 12; Gaz. vol. 202; p. 365.
- Tichy, Frederick, et al. (See Szeliga, Anton, assignor.)
- Tichy, Joseph, Chicago, Ill. Journal-bearing. No. 1,086,872; Feb. 10; Gaz. vol. 199; p. 498.

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- Tickner, Frank W., Sharpsville, Pa., assignor of one-half to F. J. Leuthner, Buffalo, N. Y. Extractor for core-barrels. No. 1,122,046; Dec. 22; Gaz. vol. 209; p. 1217.
- Tieman, George, assignor of one-half to P. W. Mahler, Michigan City, Ind. Egg-case. No. 1,118,702; Nov. 24; Gaz. vol. 208; p. 1249.
- Tiemann, Fritz, Berlin, Germany. Concentration and crystallization apparatus especially for sugar manufacture. No. 1,087,409; Feb. 17; Gaz. vol. 199; p. 732.
- Tiemann, Fritz, Berlin, Germany. Purifying and decolorizing sugar solutions. No. 1,101,156; June 23; Gaz. vol. 203; p. 1092.
- Tiemann, William C., Philadelphia, Pa. Deodorizer. No. 1,123,036; Dec. 29; Gaz. vol. 209; p. 1598.
- Tiessen, Aaron P., Mountain Lake, Minn. Internal-combustion engine. No. 1,116,338; Nov. 3; Gaz. vol. 208; p. 296.
- Tietgen, Hans, New York, N. Y. Violin and making the same. No. 1,083,510; Jan. 6; Gaz. vol. 198; p. 83.
- Tietz, Ernest R. (See Henderson and Tietz.)
- Tiffany, Adelbert, Sioux City, Iowa. Motor-carriage for agricultural implements. No. 1,120,105; Dec. 8; Gaz. vol. 209; p. 449.
- Tiffany, Eli J., Bennington, Vt. Tobacco-pipe cleaner. No. 1,120,566; Dec. 8; Gaz. vol. 209; p. 615.
- Tiffany, George S. (See De Saussure and Tiffany.)
- Tiffany, George S., Summit, N. J., assignor to Gray National Telautograph Company, New York, N. Y. Telautographic apparatus. No. 1,085,069; Jan. 20; Gaz. vol. 198; p. 661.
- Tigh, Ligh S., Hoboken, N. J. Belt-shifter. No. 1,102,612; July 7; Gaz. vol. 204; p. 137.
- Tighe, Charles, London, England. Sock. No. 1,094,273; Apr. 21; Gaz. vol. 201; p. 804.
- Tikjian, Richard, Waterbury, Conn. Sound-producing instrument. No. 1,119,897; Dec. 8; Gaz. vol. 209; p. 378.
- Tilbury, Darius D. and H. W., Lonoke, Ark. Traction-wheel. No. 1,104,847; July 28; Gaz. vol. 204; p. 1047.
- Tilbury, Henry W. (See Tilbury, Darius D. and H. W.)
- Tilden, Arthur, St. Louis, Mo. Butcher's saw. No. 1,091,404; Mar. 24; Gaz. vol. 200; p. 1055.
- Till, Henry, Los Angeles, Cal. Can-opener. No. 1,098,648; June 2; Gaz. vol. 203; p. 100.
- Till, Henry, Los Angeles, Cal. Can-opener. No. 1,110,728; Sept. 15; Gaz. vol. 206; p. 745.
- Till, Henry, Pittsburg, Cal. Can-opener. No. 1,112,039; Sept. 29; Gaz. vol. 206; p. 1277.
- Tilley, James F., Washington, D. C., and S. B. Austin, Baltimore, Md., assignors, by mesne assignments, to Mott-LeGage Animated Advertising Corporation, New York, N. Y. Automatic display apparatus. No. 1,111,625; Sept. 22; Gaz. vol. 206; p. 1098.
- Tillinghast, Elbert R., Upper Montclair, N. J. Separating the strands of woven fabric. No. 1,100,458; June 16; Gaz. vol. 203; p. 798.
- Tillinghast, Elbert R., Upper Montclair, N. J. Strand-separating machine. No. 1,117,724; Nov. 17; Gaz. vol. 208; p. 869.
- Tillison, Arthur E., Belton, Mont. Wrench. No. 1,110,243; Sept. 8; Gaz. vol. 206; p. 533.
- Tillman, Ferdinand J., St. Louis, Mo. Adding-machine. No. 1,120,347; Dec. 8; Gaz. vol. 209; p. 537.
- Tillman, Marshal D., Wabash, Ind. Shock-absorber. No. 1,087,898; Feb. 17; Gaz. vol. 199; p. 901.
- Tillotson, Harry C. (See Goldberg and Tillotson.)
- Tillotson, William. (See Davis and Tillotson.)
- Tillotson, William L., Denver, Colo. Curved screen for stationary and moving picture reproduction and mechanism for producing the same. No. 1,089,448; Mar. 10; Gaz. vol. 200; p. 312.
- Tillou, Frank M., Bayonne, N. J. Automatic pool and billiard cue chalker. No. 1,103,852; July 14; Gaz. vol. 204; p. 613.
- Tilly, Charles A. (See O'Brien, Ott, and Tilly.)
- Tilly, Frank E. (See Hammerly, Richard, assignor.)
- Tills, Andy J., Backus, Minn. Axle-straightener. No. 1,095,299; May 5; Gaz. vol. 202; p. 44.
- Tilson, William, Mount Vernon, Ill. Spring-wheel. No. 1,117,534; Nov. 17; Gaz. vol. 208; p. 800.
- Tilton, Abram B., Bayhead, N. J. Waste and overflow connection for bath-tubs, washbasins, &c. No. 1,101,974; June 30; Gaz. vol. 203; p. 1426.
- Tily, Stephen B., J. G. and M. O. Rebuss, assignors to John Wanamaker, Philadelphia, Pa. Cash-register. No. 1,095,044; Apr. 28; Gaz. vol. 201; p. 1132.
- Timberlake, Daniel T., assignor of one-half to W. E. Hosch, St. Louis, Mo. Vehicle-wheel. No. 1,084,302; Jan. 13; Gaz. vol. 198; p. 377.
- Timberlake, Daniel T., assignor of one-half to W. E. Hosch, St. Louis, Mo. Spring vehicle-wheel. No. 1,084,303; Jan. 13; Gaz. vol. 198; p. 377.
- Timberlake, John B., Jackson, Mich. Folding display rack. No. 1,095,045; Apr. 28; Gaz. vol. 201; p. 1132.
- Timberlake, William A. (See Tiner, John F., assignor.)
- Timian, Julius E., Deep, N. D. Anesthetic-dropper. No. 1,121,690; Dec. 22; Gaz. vol. 209; p. 1091.
- Timings, Samuel, Birmingham, England. Means for removing scrap from sheet-metal stampings. No. 1,122,666; Dec. 29; Gaz. vol. 209; p. 1468.
- Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
- Timken Roller Bearing Company, The. (See Heinzelman, Reginald, assignor.)
- Timmer, Heinrich. (See Dinger and Timmer.)
- Timmerman, Louis C., Vesper, Kans. Ladder for silos. No. 1,118,385; Nov. 24; Gaz. vol. 208; p. 1138.
- Timmerman, William C. J. (See Behnke, Albert R., assignor.)
- Timmins, James R., assignor of one-fourth to O. Swain, Okmulgee, Okla. Apparatus for refining oil. No. 1,105,383; July 28; Gaz. vol. 204; p. 1237.
- Timmons, Cyrus C. (See Hamilton and Timmons.)
- Timmons, John S. (See Swain and Timmons.)
- Timmons, Joseph W., Orlando, Fla. Sound-producing device. No. 1,088,482; Feb. 24; Gaz. vol. 199; p. 1148.
- Timmons, Joseph W., Orlando, Fla. Hoe. No. 1,108,527; Aug. 25; Gaz. vol. 205; p. 1168.
- Timpe, Herman, assignor to Naamlooze Vennootschap Hollandsche Zijde Maatschappij, Amsterdam, Netherlands. Manufacture of artificial silk. No. 1,087,700; Feb. 17; Gaz. vol. 199; p. 836.
- Tindall, William R. (See Massmann and Tindall.)
- Tiner, John F., assignor of one-half to W. A. Timberlake, Uvalde, Tex. Flying-machine. No. 1,105,941; Aug. 4; Gaz. vol. 205; p. 124.
- Tingley, Allen J. (See Gould and Tingley.)
- Tingley, Allen J., and G. Gould, Owosso, Mich. Windrowing and bunching machine. No. 1,119,475; Dec. 1; Gaz. vol. 209; p. 198.
- Tingley, Allen J., S. Roosa, and G. Gould, Owosso, Mich. Bean-gathering machine. No. 1,114,416; Oct. 20; Gaz. vol. 207; p. 785.
- Tingley, Philo B., New York, N. Y. Line-spacing attachment for writing-machines. No. 1,103,103; July 14; Gaz. vol. 204; p. 353.
- Tingley, Philo B., New York, N. Y. Line-spacing attachment for writing-machines. No. 1,118,074; Nov. 24; Gaz. vol. 208; p. 1029.
- Tinkham, Francis M., Springfield, Mass. Convertible couch. No. 1,107,729; Aug. 18; Gaz. vol. 205; p. 843.
- Tinkham, George F., Houston, Tex. Oil-burner. No. 1,092,674; Apr. 7; Gaz. vol. 201; p. 190.
- Tinnberg, Knut A. E. (See Hult and Tinnberg.)
- Tipil, Joseph R. (See Kirchner, John, assignor.)
- Tipper, Lawrence C., Birmingham, England. Boot for animals, including poultry and other birds. No. 1,087,054; Feb. 10; Gaz. vol. 199; p. 556.
- Tippett, William E., and C. L. Teague, Washington, D. C. Curtain holding and releasing device. No. 1,101,476; June 23; Gaz. vol. 203; p. 1202.
- Tipping, Frank M. and F. R., St. Paul, Minn. Point for dipper-teeth. No. 1,095,605; May 5; Gaz. vol. 202; p. 148.
- Tipping, Frank R. (See Tipping, Frank M. and F. R.)
- Tirelli, Frank, New York, N. Y. Automobile-jack. No. 1,090,430; Mar. 17; Gaz. vol. 200; p. 694.
- Tirrell, Edward J., Flint, Mich. Universal joint. No. 1,112,869; Oct. 6; Gaz. vol. 207; p. 160.
- Tirrell, Allen A., Schenectady, N. Y., assignor to General Electric Company. Maintaining a constant power factor in a system of distribution. No. 1,084,674; Jan. 20; Gaz. vol. 198; p. 528.
- Tirrell, Allen A., Schenectady, N. Y., assignor to General Electric Company. Constant-current regulator. No. 1,098,649; June 2; Gaz. vol. 203; p. 100.
- Tirrell, Allen A., Schenectady, N. Y., assignor to General Electric Company. Relay. No. 1,101,670; June 30; Gaz. vol. 203; p. 1320.
- Tisdale, William J., Moselle, Miss. Cultivator. No. 1,118,882; Nov. 24; Gaz. vol. 208; p. 1309.
- Tischler, Moses, New York, N. Y. Bracket for pivotally supporting signs, mirrors, and similar devices. No. 1,110,973; Sept. 15; Gaz. vol. 206; p. 830.
- Tisher, Zachariah, and C. T. Litchfield, Spokane, Wash. Flange-oller. No. 1,121,055; Dec. 15; Gaz. vol. 209; p. 834.
- Tismer, Paul G., New York, N. Y. Fluid-pressure engine. No. 1,103,104; July 14; Gaz. vol. 204; p. 354.
- Titanium Alloy Manufacturing Company, The. (See Rossi, Auguste J., assignor.)
- Titanium Alloy Manufacturing Company, The. (See Rossi and Barton, assignors.)
- Titanium Alloy Manufacturing Company, The. (See Rossi and Meredith, assignors.)
- Titchenal, Norman S. (See Williams, Joseph H., assignor.)
- Titcomb, George E., New Rochelle, N. Y. Apparatus for freight transference. No. 1,107,378; Aug. 18; Gaz. vol. 205; p. 718.
- Title Guarantee & Trust Company, trustee. (See Pilkington, Herbert M., assignor.)
- Titus, Court C., assignor to Montana Metallurgical Company, Helena, Mont. Treating complex refractory ores of silver and gold. No. 1,111,976; Sept. 29; Gaz. vol. 206; p. 1256.
- Titus, Court C., assignor to Montana Metallurgical Company, Helena, Mont. Electrolytic cell. No. 1,111,977; Sept. 29; Gaz. vol. 206; p. 1256.
- Titus, John W., Mannington, W. Va. Front-axle coupling. No. 1,106,751; Aug. 11; Gaz. vol. 205; p. 451.

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- Tizley, Arthur J., assignor to E. F. Caldwell & Co., New York, N. Y. Operating means for electric-lamp switches. No. 1,108,641; Aug. 25; Gaz. vol. 205; p. 1208.
- Tizley, Arthur J., assignor to E. F. Caldwell & Co., New York, N. Y. Operating means for electric-lamp switches. No. 1,121,420; Dec. 15; Gaz. vol. 209; p. 960.
- Tjader, Richard, New York, N. Y. Interdeck-davit. No. 1,094,348; Apr. 21; Gaz. vol. 201; p. 826.
- Tjader, Richard, New York, N. Y. Automatic means for lowering life-boats. No. 1,116,956; Nov. 10; Gaz. vol. 208; p. 557.
- Tobacco Stemming Machine Company, The. (See Gerding, Louis H., assignor.)
- Tobacco Stemming Machine Company, The. (See Gerding and Billings, assignors.)
- Tobacco Stemming Machine Company, The. (See Morris, John O., assignor.)
- Tobias, Frank C., Fort Wayne, Ind. Hay-distributor. No. 1,092,875; Apr. 14; Gaz. vol. 201; p. 293.
- Tobias, Hermann B., New York, N. Y. Photographic-film package. No. 1,114,204; Oct. 20; Gaz. vol. 207; p. 710.
- Tobias, John M., Pittsburgh, Pa. Gas heating-stove. No. 1,093,499; Apr. 14; Gaz. vol. 201; p. 502.
- Tobias, John M., Pittsburgh, assignor to Lawson Manufacturing Company, Homestead, Pa. Gas-stove. No. 1,121,691; Dec. 22; Gaz. vol. 209; p. 1091.
- Tobias, Karl, assignor to Budapesti Villamos Városi Vasut Reszvénytársaság/Electrical Municipal Railway Company Ltd. in Budapest, Budapest, Austria-Hungary. Folding gate. No. 1,122,441; Dec. 29; Gaz. vol. 209; p. 1388.
- Tobie, Albert J., Westbury, N. Y. Mechanic's tool. No. 1,113,261; Oct. 13; Gaz. vol. 207; p. 339.
- Tobie, Edward P., Providence, R. I. Necktie-clasp. No. 1,105,542; July 28; Gaz. vol. 204; p. 1291.
- Tobin, Edward M., assignor to Trow & Holden Co., Barre, Vt. Pneumatic tool. No. 1,086,955; Feb. 10; Gaz. vol. 199; p. 525.
- Tobin, John J., assignor to Specialty Sales and Manufacturing Company, Chicago, Ill. Tool. No. 1,094,687; Apr. 28; Gaz. vol. 201; p. 1008.
- Tobin, Patric H., *et al.* (See Upshaw, Lucius L., assignor.)
- Tobler, Ulrich, Pforzheim, assignor to Brockdorff-Witzemann m. b. H., Berlin, Germany. Electrode-terminal for electric heaters. No. 1,101,360; June 23; Gaz. vol. 203; p. 1161.
- Toce, Francesco A., Lake Charles, La. Key-ring holder. No. 1,095,247; May 5; Gaz. vol. 202; p. 25.
- Tod, Percy B., assignor to F. S. Tatham, Pietermaritzburg, Natal, South Africa. Means for adjusting tent-ropes or the like. No. 1,083,958; Jan. 13; Gaz. vol. 198; p. 259.
- Toda, Sozaburo, New York, N. Y. Combined mixer, weigher, and sifter. No. 1,121,310; Dec. 15; Gaz. vol. 209; p. 923.
- Toda, Sozaburo, New York, N. Y. Combined sifter and mixer. No. 1,121,311; Dec. 15; Gaz. vol. 209; p. 923.
- Todd, Curtis, *et al.* (See Cobb, Luther, assignor.)
- Todd, Elbert N., Crisfield, Md. Envelop. No. 1,084,979; Jan. 20; Gaz. vol. 198; p. 631.
- Todd, Frank, Oak Park, Ill. Radiator for automobiles. No. 1,102,366; July 7; Gaz. vol. 204; p. 50.
- Todd, George W., Omaha, Nebr. Dental bridgework. No. 1,118,703; Nov. 24; Gaz. vol. 208; p. 1249.
- Todd, H. Stanley. (See Anderson, Emil, assignor.)
- Todd, John T., assignor to The Registered Tracer System, Springfield, Ill. Coin-holder. No. 1,112,040; Sept. 29; Gaz. vol. 206; p. 1277.
- Todd, John T., assignor to The Registered Tracer System, Springfield, Ill. File and binder. No. 1,120,864; Dec. 15; Gaz. vol. 209; p. 767.
- Todd, Marquis J., assignor to Buffalo Pitts Company, Buffalo, N. Y. Train of wheeled vehicles. No. 1,083,777; Jan. 6; Gaz. vol. 198; p. 171.
- Todd, Marquis J., assignor to Buffalo Pitts Company, Buffalo, N. Y. Wagon. No. 1,087,153; Feb. 17; Gaz. vol. 199; p. 642.
- Todd, Marquis J., assignor to Buffalo Pitts Company, Buffalo, N. Y. Guiding means for wheeled vehicles. No. 1,096,576; May 12; Gaz. vol. 202; p. 513.
- Todd, Marquis J., assignor to Buffalo Pitts Company, Buffalo, N. Y. Vehicle-spring. No. 1,098,598; June 2; Gaz. vol. 203; p. 84.
- Todd, Marquis J., assignor to Buffalo Pitts Company, Buffalo, N. Y. Coupling-lock for wheeled vehicles. No. 1,103,452; July 14; Gaz. vol. 204; p. 472.
- Todd, William C., and J. W. Pomeroy, Victoria, British Columbia, Canada. Traveling lawn-sprinkler. No. 1,108,528; Aug. 25; Gaz. vol. 205; p. 1169.
- Tödt, Heinrich, Lensahn, Germany. Centrifugal cream-separator. No. 1,087,851; Feb. 17; Gaz. vol. 199; p. 886.
- Tödt, Heinrich, Lensahn, Germany. Sterilizer. No. 1,093,500; Apr. 14; Gaz. vol. 201; p. 503.
- Toeffer, Charles, Milwaukee, Wis. Portable crane. No. 1,090,248; Mar. 17; Gaz. vol. 200; p. 630.
- Toeplitz, Richard, assignor to International Typesetting Machine Company, New York, N. Y. Assembling-elevator. No. 1,108,814; Aug. 25; Gaz. vol. 205; p. 1266.
- Toepperwein, Ferdinand L., assignor of one-half to R. T. Pruitt, San Antonio, Tex. Ice-cream-freezer holder. No. 1,085,572; Jan. 27; Gaz. vol. 198; p. 869.
- Toepperwein, Ferdinand L., San Antonio, Tex. Gasket or washer. No. 1,100,630; June 16; Gaz. vol. 203; p. 854.
- Toivonen, Thomas. (See Alanke and Toivonen.)
- Tokheim, John J., Cedar Rapids, Iowa. Liquid-drawing apparatus. No. 1,087,410; Feb. 17; Gaz. vol. 199; p. 732.
- Tolbert, Fred, assignor of one-half to H. W. Collier, Fort Smith, Ark. Railway-switch. No. 1,097,065; May 19; Gaz. vol. 202; p. 726.
- Toledo Automobile Devices Company, The. (See De Clairmont, Adolfo, assignor.)
- Toledo Cooker Company, The. (See Swartzbaugh, Charles E., assignor.)
- Toledo Electric Welder Company, The. (See Macneale, Neil, assignor.)
- Toledo Electric Welder Company, The. (See Pierce, Robert C., assignor.)
- Toledo Glass Company. (See Colburn, Irving W., assignor.)
- Toledo Glass Company, The. (See Owens, Michael J., assignor.)
- Toledo Machine & Tool Company, The. (See Hinde, Orton, and Lindgren, assignors.)
- Toledo Parlor Furniture Company, The. (See Klopping, Adolph C., assignor.)
- Toledo Pipe Threading Machine Company, The. (See Vosper, William W., assignor.)
- Toledo Scale Co. (See Crane, Samuel G., assignor.)
- Toledo Scale Company. (See Burkholder, John D., assignor.)
- Toledo Scale Company. (See De Vilbiss, Allen, Jr., assignor.)
- Toledo Scale Company. (See Hapgood, Clarence H., assignor.)
- Toledo Scale Company. (See Pool, Elmer C., assignor.)
- Toles, Justin K., San Francisco, Cal., assignor to W. R. Brown, Detroit, Mich. Fiber-cleaning apparatus. No. 1,115,990; Nov. 3; Gaz. vol. 208; p. 179.
- Tolin, David R., Tunnel Springs, Ala. Nut-lock. No. 1,116,168; Nov. 3; Gaz. vol. 208; p. 240.
- Tollefson, Gilbert, Bagley, Minn. Conveying system. No. 1,103,709; July 14; Gaz. vol. 204; p. 566.
- Tollefson, Victor E., Elk Point, S. D., assignor, by mesne assignments, to International Automobile Supply Co. Automobile-horn. No. 1,084,675; Jan. 20; Gaz. vol. 198; p. 528.
- Tollerton, William J., Chicago, Ill. Car construction. No. 1,085,645; Feb. 3; Gaz. vol. 199; p. 23.
- Tollerton, William J., Chicago, Ill. Lock-nut. No. 1,105,222; July 28; Gaz. vol. 204; p. 1177.
- Tolles, Charles L., Eau Claire, Wis. Traction-machine. No. 1,106,595; Aug. 11; Gaz. vol. 205; p. 398.
- Tolles, Charles L., Eau Claire, Wis. Traction-belt. No. 1,106,596; Aug. 11; Gaz. vol. 205; p. 398.
- Tollett, James L. (See McLaird, David J., assignor.)
- Tollinger, Barton K. (See Keagy, Tollinger, and Beatty.)
- Tolliver, Thomas M., Washington, D. C. Overflow-alarm for refrigerators. No. 1,122,667; Dec. 29; Gaz. vol. 209; p. 1469.
- Tolman, Charles P., New York, N. Y. Hand-truck. No. 1,097,688; May 26; Gaz. vol. 202; p. 986.
- Tolman, Gayger D., Oshkosh, Wis., assignor to J. S. Clark, Table. No. 1,118,704; Nov. 24; Gaz. vol. 208; p. 1250.
- Tolman, Scott H., Boston, Mass. Display-mount. No. 1,106,688; Aug. 11; Gaz. vol. 205; p. 429.
- Toltz, Max, St. Paul, Minn., assignor, by mesne assignments, to Locomotive Superheater Company, Wilmington, Del. Steam-superheater. No. 1,093,954; Apr. 21; Gaz. vol. 201; p. 698.
- Tolvstad, Nelson L., Groton, S. D. System of electrical selection. No. 1,108,028; Aug. 18; Gaz. vol. 205; p. 947.
- Tomasini, Thomas I. A., San Francisco, Cal. Spring-clip. No. 1,114,312; Oct. 20; Gaz. vol. 207; p. 748.
- Tomaszewski, Marcell, McKees Rocks, Pa. Mail-box. No. 1,120,865; Dec. 15; Gaz. vol. 209; p. 767.
- Tombrink, Augustus J., South Omaha, Nebr. Lifting-jack. No. 1,122,336; Dec. 29; Gaz. vol. 209; p. 1354.
- Tomek, Frank J., St. Louis, Mo. Razor-strop. No. 1,111,873; Sept. 29; Gaz. vol. 206; p. 1223.
- Tomkins, Calvin. (See Lange, William, assignor.)
- Tomko, Andy, Pittsburgh, Pa. Extensible bed. No. 1,101,361; June 23; Gaz. vol. 203; p. 1162.
- Tomko, John, Cleveland, Ohio. Device for filling and emptying vessels. No. 1,118,971; Dec. 1; Gaz. vol. 209; p. 23.
- Tömlich, Richard, Munich, Germany. Reservoir-brush. No. 1,088,801; Mar. 3; Gaz. vol. 200; p. 43.
- Tomlin, Wesley R., Fort Collins, Colo. Selective signal system. No. 1,114,939; Oct. 27; Gaz. vol. 207; p. 1022.
- Tomlinson, Charles E., Syracuse, assignor, by mesne assignments, to International Time Recording Company of New York, Endicott, N. Y. Recording-machine. No. 1,091,718; Mar. 31; Gaz. vol. 200; p. 1206.
- Tomlinson, Charles E., Syracuse, assignor, by mesne assignments, to International Time Recording Company of New York, Endicott, N. Y. Time-recorder. No. 1,103,105; July 14; Gaz. vol. 204; p. 354.

Alphabetical list of patentees—Continued.

- Tomlinson, Charles E., Syracuse, assignor, by mesne assignments, to International Time Recording Company of New York, Endicott, N. Y. Time-recording machine. No. 1,103,106; July 14; Gaz. vol. 204; p. 355.
- Tomlinson, Charles E., Syracuse, assignor, by mesne assignments, to International Time Recording Company of New York, Endicott, N. Y. Time-recorder. No. 1,110,085; Sept. 8; Gaz. vol. 206; p. 476.
- Tomlinson, Charles E., Syracuse, assignor, by mesne assignments, to International Time Recording Company of New York, Endicott, N. Y. Time-recorder. No. 1,110,411; Sept. 15; Gaz. vol. 206; p. 632.
- Tomlinson, Charles H., Mansfield, Ohio, assignor to The Tomlinson Coupler Company, Denver, Colo. Automatic car and train-pipe coupling. No. 1,094,612; Apr. 28; Gaz. vol. 201; p. 979.
- Tomlinson, Clarence L., Portland, Oreg. Wheel. No. 1,116,648; Nov. 10; Gaz. vol. 208; p. 451.
- Tomlinson Coupler Company, The. (See Tomlinson, Charles H., assignor.)
- Tomlinson, David Y., Roswell, N. Mex. Mold. No. 1,115,618; Nov. 3; Gaz. vol. 208; p. 51.
- Tomlinson, Henry W., Chicago, Ill. Slide-rule. No. 1,108,480; Aug. 25; Gaz. vol. 205; p. 1152.
- Tomlinson, Joseph, New York, N. Y., assignor to Cox Multi-Mailer Company, Augusta, Me. Type or slug feed for printing or addressing machines. No. 1,105,313; July 28; Gaz. vol. 204; p. 1209.
- Tomlinson, Joseph, Chicago, Ill., assignor to Cox Multi-Mailer Company, Augusta, Me. Mailing-machine. No. 1,105,314; July 28; Gaz. vol. 204; p. 1210.
- Tomlinson, Joseph, Chicago, Ill., assignor to Cox Multi-Mailer Company, Augusta, Me. Addressing, folding, and wrapping machine. No. 1,105,315; July 28; Gaz. vol. 204; p. 1210.
- Tomlinson, Joseph F., Syracuse, N. Y. Paint-mixer. No. 1,095,749; May 5; Gaz. vol. 202; p. 197.
- Tomlinson, Royal D., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Condenser. No. 1,085,182; Jan. 27; Gaz. vol. 198; p. 738.
- Tompkins, De Forrest. (See Johnston, Norton W., assignor.)
- Tompkins, De Forest, Astoria, assignor to S. Kanner, New York, N. Y. Razor-stropping machine. No. 1,087,411; Feb. 17; Gaz. vol. 199; p. 733.
- Tompkins-Hawley-Fuller Company. (See Fuller, Frederick H., assignor.) (Reissue.)
- Tompkins, Ralph S. (See Parkinson and Tompkins.)
- Tompkins, Roney P., Mount Vernon, N. Y. Ink-well. No. 1,120,170; Dec. 8; Gaz. vol. 209; p. 474.
- Tompkins, Stonewall, Brooklyn, N. Y. Double-lever car-brake. No. 1,091,602; Mar. 31; Gaz. vol. 200; p. 1166.
- Tompkins, Stonewall, Brooklyn, N. Y. Directory. No. 1,096,767; May 12; Gaz. vol. 202; p. 577.
- Tompkins, Stonewall, Brooklyn, N. Y. Railway-car brake. No. 1,108,815; Aug. 25; Gaz. vol. 205; p. 1266.
- Tomsick, Antone G., assignor to J. Tomsick, Jr., Pueblo, Colo. Rotating gearing. No. 1,091,871; Mar. 31; Gaz. vol. 200; p. 1262.
- Tomsick, Joseph, Jr. (See Tomsick, Antone G., assignor.)
- Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Treating electrometallurgical products. No. 1,099,674; June 9; Gaz. vol. 203; p. 491.
- Toney, Walter C., Princeton, Ala. Rail-fastener. No. 1,096,768; May 12; Gaz. vol. 202; p. 577.
- Toogood, Alexander J. (See Cockburn, William R., assignor.)
- Toogood, Herbert J., assignor to Robert Dempster & Sons, Limited, Elland, England. Means for utilizing the residual heat of coke produced in vertical gas-retorts. No. 1,101,477; June 23; Gaz. vol. 203; p. 1202.
- Toohy, John J., Everett, Mass. Liquid-level indicator. No. 1,118,075; Nov. 24; Gaz. vol. 208; p. 1030.
- Tooker, Harry L., Winslow, Ariz. Electrically-operated air-brake. No. 1,084,506; Jan. 13; Gaz. vol. 198; p. 440.
- Toomey, John F. (See Hinrichsen and Toomey.)
- Topf, Ludwig, Erfurt, Germany. Germinating apparatus. No. 1,090,431; Mar. 17; Gaz. vol. 200; p. 695.
- Topf, Ludwig, Erfurt, Germany. Apparatus for treating granular material. No. 1,094,178; Apr. 21; Gaz. vol. 201; p. 774.
- Topf, Ludwig, Erfurt, Germany. Apparatus for producing and controlling moistened air in malting-drums. No. 1,104,717; July 21; Gaz. vol. 204; p. 954.
- Topf & Soehne, J. A. (See Bornmann, Ernst, assignor.)
- Topham, Laurence E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Driving mechanism. No. 1,088,380; Feb. 24; Gaz. vol. 199; p. 1115.
- Topham, Laurence E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Driving and stopping mechanism. No. 1,099,325; June 9; Gaz. vol. 203; p. 371.
- Topham, Laurence E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,099,326; June 9; Gaz. vol. 203; p. 371.
- Topham, Laurence E., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Driving and stopping mechanism. No. 1,099,327; June 9; Gaz. vol. 203; p. 372.
- Topham, Laurence E., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Driving and stopping mechanism. No. 1,099,328; June 9; Gaz. vol. 203; p. 372.
- Topp, Charles H., Huntington, W. Va. Hydrocarbon-burner. No. 1,115,132; Oct. 27; Gaz. vol. 207; p. 1090.
- Topper, Jacob M., Corsica, Pa. Point-protector for impaling instruments. No. 1,105,384; July 28; Gaz. vol. 204; p. 1238.
- Topping, W. V. B. (See Plice, Thomas V., assignor.)
- Torbert, James R., Woodward, Ala. Globe-valve. No. 1,115,256; Oct. 27; Gaz. vol. 207; p. 1134.
- Torchiani, Harry, Chicago, Ill. Apparatus for treating barrels. No. 1,102,306; July 7; Gaz. vol. 204; p. 29.
- Toren, John A., Chicago, Ill. Printer's tie-up. No. 1,096,207; May 12; Gaz. vol. 202; p. 386.
- Torgersen, Hjalmar, Ashby, Minn. Tooth for hay-rakes. No. 1,104,020; July 21; Gaz. vol. 204; p. 712.
- Torgrud, Martin P., Whalan, Minn. Gate-fastener. No. 1,106,324; Aug. 4; Gaz. vol. 205; p. 254.
- Torkelsen, Nils J., Oakland, Cal. Preparing a preserved meat compound. No. 1,088,944; Mar. 3; Gaz. vol. 200; p. 94.
- Torkington, Alfred W., London, England. Spring suspension for vehicles. No. 1,114,553; Oct. 20; Gaz. vol. 207; p. 834.
- Torley, Charles, Brussels, Belgium, and O. Matter, Troisdorf, Germany. Manufacture of nitrous oxid. No. 1,098,305; May 26; Gaz. vol. 202; p. 1203.
- Tormey, John M., Central Falls, R. I. Center-gage. No. 1,096,769; May 12; Gaz. vol. 202; p. 577.
- Tormey, Peter. (See Barnwell and Tormey.)
- Tormin, Egmont M., Newton Center, assignor to Holtzer-Cabot Electric Company, Brookline, Mass. Dynamo. No. 1,108,086; Aug. 18; Gaz. vol. 205; p. 967.
- Tormin, Egmont M., Newton Center, assignor to Holtzer-Cabot Electric Company, Brookline, Mass. Dynamo. No. 1,108,087; Aug. 18; Gaz. vol. 205; p. 968.
- Tormin, Egmont M., Newton Center, assignor to Holtzer-Cabot Electric Company, Brookline, Mass. Centrifugal switch. No. 1,108,088; Aug. 18; Gaz. vol. 205; p. 968.
- Tornberg, Carl A., Marathon, Fla. Wrench. No. 1,106,752; Aug. 11; Gaz. vol. 205; p. 452.
- Török, Elis, New York, N. Y. Dirigible airship. No. 1,115,457; Oct. 27; Gaz. vol. 207; p. 1201.
- Torrance, Francis J., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Waste-valve. No. 1,084,767; Jan. 20; Gaz. vol. 198; p. 561.
- Torrance, George J., Harrison, N. J. Apron for fiber-treating machines. No. 1,107,730; Aug. 18; Gaz. vol. 205; p. 844.
- Torrance, James F. (See Peet, Wilbur G. and C. E., assignors.)
- Torres, Jose, New York, N. Y. Crown-cap-assorting machine. No. 1,118,972; Dec. 1; Gaz. vol. 209; p. 24.
- Torrey, William F., Quincy, Mass., assignor, by mesne assignments, to North American Chemical Company, Portland, Me. Shoe-bottom-filler machine. No. 1,122,661; Dec. 29; Gaz. vol. 209; p. 1466.
- Torseth, Oscar, Eau Claire, Wis. Log-conveying system. No. 1,118,076; Nov. 24; Gaz. vol. 208; p. 1030.
- Torseth, Oscar, Eau Claire, Wis. Track. No. 1,118,077; Nov. 24; Gaz. vol. 208; p. 1030.
- Torseth, Oscar, Eau Claire, Wis. Traction system. No. 1,121,779; Dec. 22; Gaz. vol. 209; p. 1122.
- Torsion Balance Company, The. (See Conway, George M., assignor.)
- Torsion Balance Company, The. (See Munzner, Max, assignor.)
- Torske, John L., Plummer, Minn. Beater for threshers. No. 1,093,216; Apr. 14; Gaz. vol. 201; p. 410.
- Tóth, John, Phoenixville, Pa. Railway-crossing gate. No. 1,102,968; July 7; Gaz. vol. 204; p. 258.
- Tóth, Margarethe, Cleveland, Ohio. Hair-fastener. No. 1,088,745; Mar. 3; Gaz. vol. 200; p. 26.
- Toth, Sophia, et al. (See Kobling, Anton S., assignor.)
- Tothill, William S., Lockport, N. Y. Shirt. No. 1,111,626; Sept. 22; Gaz. vol. 206; p. 1098.
- Tothill, William S., Chicago, Ill. Teeter-ladder and the like. No. 1,113,384; Oct. 13; Gaz. vol. 207; p. 383.
- Totten, Wilson E. (See Rist and Totten.)
- Tottle & Co., Wm. A. (See McMillan, Hugh P., assignor.)
- Tourjée, Walter H., Factoryville, Pa. Barber's shears. No. 1,103,710; July 14; Gaz. vol. 204; p. 566.
- Tousey, Sinclair, New York, N. Y. X-ray tube. No. 1,100,037; June 16; Gaz. vol. 203; p. 652.
- Tousley, Nelson E., Watertown, and C. H. Roper, Belmont, Mass., assignors to Hood Rubber Co. Tennis-shoe. No. 1,115,875; Nov. 3; Gaz. vol. 208; p. 139.
- Toussaint, Felix J., Ford City, Pa. Door-spring. No. 1,088,483; Feb. 24; Gaz. vol. 199; p. 1148.
- Towe, Durward N., West Durham, N. C. Street-sweeper. No. 1,088,746; Mar. 3; Gaz. vol. 200; p. 26.
- Towell, Minnie, New York, N. Y. Corset. No. 1,083,470; Jan. 6; Gaz. vol. 198; p. 71.

- Tower, Charles H., Holyoke, Mass. Water-cooling apparatus for automobile-radiators. No. 1,116,169; Nov. 3; Gaz. vol. 208; p. 240.
- Tower, Daniel W. (See Annable, Warren W., assignor.)
- Tower, Daniel W., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch and lock. No. 1,121,954; Dec. 22; Gaz. vol. 209; p. 1184.
- Tower, Ray J., assignor of one-half to The Gordon Hollow Blast Grate Company, Greenville, Mich. Edger. No. 1,111,331; Sept. 22; Gaz. vol. 206; p. 996.
- Towery, John H., Cushing, Okla. Engine. No. 1,103,634; July 14; Gaz. vol. 204; p. 539.
- Towle, Eugene A., St. Paul, Minn. Closure for vessels. No. 1,093,501; Apr. 14; Gaz. vol. 201; p. 504.
- Towle, Herbert L. (See Harlow and Towle.)
- Towle, Urban A., Portland, Me. Steering-gear connection for motor-vehicles. No. 1,084,567; Jan. 13; Gaz. vol. 198; p. 463.
- Towler, Mary E., Hubbard, Tex. Collar-support. No. 1,102,823; July 7; Gaz. vol. 204; p. 211.
- Towler, Mary E., Hubbard, Tex. Tag-holding device. No. 1,110,467; Sept. 15; Gaz. vol. 206; p. 653.
- Towler, Maximilian J. L., Detroit, Mich. Friction device. No. 1,118,705; Nov. 24; Gaz. vol. 208; p. 1250.
- Towne, Amos A., Longbeach, Cal. Combination-tool. No. 1,084,176; Jan. 13; Gaz. vol. 198; p. 335.
- Towne, Joseph M., East Orange, N. J., assignor, by mesne assignments, to Standard Heat and Ventilation Company, Inc., New York, N. Y. Steam-trap. No. 1,095,046; Apr. 28; Gaz. vol. 201; p. 1133.
- Towne, Milo F., *et al.* (See Smith, Jay F., assignor.)
- Towner, Orrin, St. Catharines, Ontario, Canada. Double-tree. No. 1,101,975; June 30; Gaz. vol. 203; p. 1426.
- Towns, William A., *et al.* (See Caldwell, Samuel, assignor.)
- Townsan, Charles F., Mitchell, S. D. Valve-adjuster. No. 1,085,512; Jan. 27; Gaz. vol. 198; p. 849.
- Townsend, Abraham L., Iola, Kans. Obstetrical forceps. No. 1,085,953; Feb. 3; Gaz. vol. 199; p. 134.
- Townsend, Abraham L., Iola, Kans. Stock-breeding appliance. No. 1,085,954; Feb. 3; Gaz. vol. 199; p. 134.
- Townsend, Charles E., Lebanon, Nebr. Corn-binder. No. 1,107,463; Aug. 18; Gaz. vol. 205; p. 749.
- Townsend, Charles H., Berkeley, Cal. Concentrating lampshade. No. 1,104,330; July 21; Gaz. vol. 204; p. 819.
- Townsend, Charles H., Berkeley, Cal. Wind-shield for automobiles. No. 1,110,729; Sept. 15; Gaz. vol. 206; p. 745.
- Townsend, Clinton P., *et al.* (See Ramage, Alexander S., assignor.)
- Townsend, Clinton P., Washington, D. C., assignor to Acheson Oildag Company, Niagara Falls, N. Y. Dry deflocculated body and method of preparing same. No. 1,116,957; Nov. 10; Gaz. vol. 208; p. 558.
- Townsend, Clinton P., Washington, D. C., and E. A. Sperry, Cleveland, Ohio, assignors, by mesne assignments, to Hooker Electrochemical Company, New York, N. Y. Electrolytic cell. No. 1,097,826; May 26; Gaz. vol. 202; p. 1035.
- Townsend, David. (See Melas, William, assignor.)
- Townsend, David, assignor to Cornell Economizer Company, Philadelphia, Pa. Smoke-consuming device. No. 1,088,639; Feb. 24; Gaz. vol. 199; p. 1199.
- Townsend, Fitzhugh, New York, N. Y., assignor to General Railway Signal Company. System of automatic block-signaling. No. 1,116,763; Nov. 10; Gaz. vol. 208; p. 491.
- Townsend, Fitzhugh, deceased, New York, N. Y.; J. J. Townsend, administrator, assignor to General Railway Signal Company. System of automatic block-signaling for electric railways. No. 1,113,511; Oct. 13; Gaz. vol. 207; p. 428.
- Townsend, Harry E., Brooklyn, assignor to Jaburg Bros., New York, N. Y. Gearing. No. 1,101,478; June 23; Gaz. vol. 203; p. 1203.
- Townsend, James H., Gloversville, N. Y. Sweeper. No. 1,105,048; July 28; Gaz. vol. 204; p. 1117.
- Townsend, Jay F., Pittsburgh, Pa. Metallic tie. No. 1,110,164; Sept. 8; Gaz. vol. 206; p. 506.
- Townsend, John J., administrator. (See Townsend, Fitzhugh.)
- Townsend, Joseph A., Pasadena, Cal. Interbraced pantograph-trolley. No. 1,100,408; June 16; Gaz. vol. 203; p. 782.
- Townsend, Robert V., Riverside, assignor of one-half to J. Dunn, Providence, R. I. Sheet-music turner. No. 1,102,824; July 7; Gaz. vol. 204; p. 211.
- Townsend, Roy C., Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill. Variable-speed mechanism. No. 1,098,697; June 2; Gaz. vol. 203; p. 117.
- Townsend, Thomas, Providence, R. I. Means for mounting needles in textile combs. No. 1,105,166; July 28; Gaz. vol. 204; p. 1156.
- Townsend, William P., *et al.* (See Matthew, Amos H., assignor.)
- Towson, Morris S., assignor, by mesne assignments, to The Elwell-Parker Electric Company, Cleveland, Ohio. Motor-vehicle. No. 1,112,172; Sept. 29; Gaz. vol. 206; p. 1323.
- Towson, Morris S., assignor, by mesne assignments, to The Elwell-Parker Electric Company, Cleveland, Ohio. Motor-vehicle. No. 1,112,173; Sept. 29; Gaz. vol. 206; p. 1323.
- Toyoda, Sakichi, Shimasaki-cho, Nagoya, Japan. Protecting means for shuttle-replenishing devices. No. 1,093,088; Apr. 14; Gaz. vol. 201; p. 366.
- Tozzi, Angelo M., Bayonne, N. J., assignor to Condon-Auto-stop Company. Automatic brake mechanism. No. 1,107,868; Aug. 18; Gaz. vol. 205; p. 892.
- Traber, Ralph A. K., St. Louis, Mo. Nutcracker. No. 1,087,617; Feb. 17; Gaz. vol. 199; p. 806.
- Trabue, William, Louisville, Ky. Automatic magazine-firearm. No. 1,112,945; Oct. 6; Gaz. vol. 207; p. 185.
- Trace, Charles E. (See Strouse, Jay S., assignor.)
- Trace, Russell A. (See Sauer and Trace.)
- Trace, Russell A., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Cake-former. No. 1,095,750; May 5; Gaz. vol. 202; p. 197.
- Trace, Russell A., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Cooker. No. 1,106,597; Aug. 11; Gaz. vol. 205; p. 399.
- Trace, Russell A., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Gate-controlling device for cookers. No. 1,115,133; Oct. 27; Gaz. vol. 207; p. 1091.
- Trachte, Arnold L., Madison, Wis. Submerged combination tank-heater and feed-cooker. No. 1,118,599; Nov. 24; Gaz. vol. 208; p. 1214.
- Trackless Trolley Company of America. (See Ledwinka, Joseph, assignor.)
- Tracy, Charles A., Chicago, Ill. Device for propelling boats. No. 1,121,955; Dec. 22; Gaz. vol. 209; p. 1184.
- Tracy, David D., assignor of one-half to J. H. Casey, Jackson, Mich. Sectional conduit. No. 1,092,311; Apr. 7; Gaz. vol. 201; p. 66.
- Tracy, Eugene H., Cass Lake, Minn. Combined lock and latch. No. 1,088,484; Feb. 24; Gaz. vol. 199; p. 1148.
- Tracy, Hayden H. (See Boyrie, Harry E., assignor.)
- Tracy, James J., Cleveland, Ohio. Window-cleaning device. No. 1,099,143; June 2; Gaz. vol. 203; p. 263.
- Tracy, James J., Jr., Cleveland, Ohio. Liquid-fuel burner. No. 1,111,109; Sept. 22; Gaz. vol. 206; p. 920.
- Tracy, Jeremiah E. (See Richards, Francis H., assignor.)
- Tracy, Joseph F., Chicago, Ill. Spark-plug. No. 1,093,744; Apr. 21; Gaz. vol. 201; p. 628.
- Tracy, Michael H., Worcester, Mass. Electric shut-off cock. No. 1,085,646; Feb. 3; Gaz. vol. 199; p. 23.
- Tracy, Oliver H. (See Meyers and Tracy.)
- Tracy, Paul, London, England. Appliance for attaching edges of boards with dowels. No. 1,100,162; June 16; Gaz. vol. 203; p. 696.
- Tracy, Stephen J., Palisades Park, N. J. Life-saving apparatus for ships. No. 1,120,866; Dec. 15; Gaz. vol. 209; p. 767.
- Traders Metal Goods Co. (See Oelman, Paul H., assignor.)
- Trafford, Wesley, New York, N. Y. Seam-cutter. No. 1,095,606; May 5; Gaz. vol. 202; p. 148.
- Trafford, Wesley, New York, N. Y. Alarm device. No. 1,112,576; Oct. 6; Gaz. vol. 207; p. 59.
- Trägarth, John, Gottenborg, Sweden. Filing device for loose leaves or similar bodies. No. 1,091,986; Mar. 31; Gaz. vol. 200; p. 1300.
- Träger, Karl, assignor to Pyramiden Fliegenfängerfabrik Max Dametz, G. m. b. H., Zeitz, Germany. Fly-catcher. No. 1,093,502; Apr. 14; Gaz. vol. 201; p. 504.
- Traber, Wilfred C., London, Ontario, Canada. Loose-leaf binder. No. 1,092,675; Apr. 7; Gaz. vol. 201; p. 190.
- Train, Charles D., Belknap, Ill. Cleaning grain. No. 1,118,078; Nov. 24; Gaz. vol. 208; p. 1031.
- Trainer, James, Gallia, assignor of one-half to F. T. Slagle, Columbus, Ohio. Apparatus for transmitting power. No. 1,122,818; Dec. 29; Gaz. vol. 209; p. 1522.
- Trainor, Frank P., Uniontown, Pa. Detachable-point pick. No. 1,111,277; Sept. 22; Gaz. vol. 206; p. 979.
- Trainor, William M., New York, N. Y. Garment. No. 1,120,985; Dec. 15; Gaz. vol. 209; p. 809.
- Tralles, George E. (See Snow, Henry A., assignor.)
- Trama, Philip. (See Horn, John Q., assignor.)
- Trambley, Peter L., Albuquerque, N. Mex. Pedal. No. 1,091,405; Mar. 24; Gaz. vol. 200; p. 1055.
- Trammell, Erasmus R., Lakeland, Fla. Switch-target. No. 1,098,063; May 26; Gaz. vol. 202; p. 1120.
- Transmission Akts. (See Martins, Jens C., assignor.)
- Transportation Utilities Company. (See Conwell, Walter L., assignor.)
- Transportation Utilities Company. (See Conwell and Ostrander, assignors.)
- Transportation Utilities Company. (See Julien, Bartholomew, assignor.)
- Trantom, William. (See Moore and Trantom.)
- Trapp, Sydenham B., Jr. (See Holland, Ab., assignor.)
- Trask, Philip, Yonkers, N. Y. Sand-distributor. No. 1,099,830; June 9; Gaz. vol. 203; p. 543.
- Trask, Robert D., *et al.*, executors. (See Webster, Edwin A., assignor.)
- Trask, Sampson, San Francisco, Cal. Atomizer. No. 1,113,069; Oct. 6; Gaz. vol. 207; p. 227.
- Traub, Emil, Newark, N. J., assignor to The Singer Manufacturing Company. Clutch. No. 1,089,512; Mar. 10; Gaz. vol. 200; p. 335.

Alphabetical list of patentees—Continued.

- Traub, George E., San Diego, Cal. Pneumatic-tire pressure-gage and dust-cap. No. 1,091,780; Mar. 31; Gaz. vol. 200; p. 1229.
- Traub, Max C., Basel, Switzerland, assignor to McKessen & Robbins, New York, N. Y. Manufacturing alkyl-ethers of morphin. No. 1,100,998; June 23; Gaz. vol. 203; p. 1038.
- Traub, Ural S. (See Hobe and Traub.)
- Traub, Ural S., Yonkers, N. Y. Valve mechanism for explosive-engines. No. 1,089,989; Mar. 10; Gaz. vol. 200; p. 499.
- Traube, Arthur, Charlottenburg, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Converting photographic silver-prints into colored prints. No. 1,093,503; Apr. 14; Gaz. vol. 201; p. 504.
- Traudt, William F., Rutherford, N. J., assignor to Taber Pump Company. Apparatus for treating and delivering pulp. No. 1,089,165; Mar. 3; Gaz. vol. 200; p. 171.
- Traugott, Albert A., Portland, Oreg. Inkstand. No. 1,091,026; Mar. 24; Gaz. vol. 200; p. 930.
- Traurig, Otto, New York, N. Y. Display-block for watches. No. 1,122,668; Dec. 29; Gaz. vol. 209; p. 1469.
- Traut & Hine Manufacturing Company, The. (See Humphrey, Ernest N., assignor.)
- Traut & Hine Mfg. Co., The. (See Irving, Ira W., assignor.)
- Trautmann, Henry J., and J. L. Copping, London, England. Ventilating and other fan. No. 1,098,306; May 26; Gaz. vol. 202; p. 1204.
- Trautner, Nick W., Red Wing, Minn. Clothes-line reel. No. 1,089,023; Mar. 3; Gaz. vol. 200; p. 119.
- Travallo, Charles F., New Rochelle, assignor to Arthur Greenfield, Inc., New York, N. Y. Soffit-clip. No. 1,115,749; Nov. 3; Gaz. vol. 208; p. 96.
- Traver, Adelbert L., assignor to American Raveller Co., Philmont, N. Y. Trimming and cleaning attachment. No. 1,116,170; Nov. 3; Gaz. vol. 208; p. 241.
- Traver, Horace B., assignor to W. C. Ritchie & Company, Chicago, Ill. Pasteboard-box-making machine. No. 1,096,075; May 12; Gaz. vol. 202; p. 342.
- Travers, Harry. (See Lindstedt and Travers.)
- Travers, Stephen A., assignor of one-half to J. F. Kuhn, New York, N. Y. Gasoline and oil separator. No. 1,105,223; July 28; Gaz. vol. 204; p. 1177.
- Traverse, James J. (See Jarman, Alfred J., assignor.)
- Travis, David S., Marengo, Ohio. Animal-trap. No. 1,109,558; Sept. 1; Gaz. vol. 206; p. 245.
- Travis, Don C., assignor to The Simmons Manufacturing Company, Kenosha, Wis. Spring-seat. No. 1,116,859; Nov. 10; Gaz. vol. 208; p. 525.
- Travis, Don Carlos. (See Vincent and Travis.)
- Travis, Thomas, Montclair, N. J. Garden-truck-burner barrow. No. 1,108,642; Aug. 25; Gaz. vol. 205; p. 1208.
- Travis, William O., Hampton, and E. Ault, deceased; J. Hughes, executor, London, England; said Travis and said Ault assignors to Sterilization Company. Apparatus for purifying sewage or the like. No. 1,101,106; June 23; Gaz. vol. 203; p. 1075.
- Trax, Judson D., et al., executors. (See Waitz, John W.)
- Traylor, Bruce W., New York, N. Y., assignor to Traylor Engineering and Manufacturing Co. Gearing. No. 1,106,256; Aug. 4; Gaz. vol. 205; p. 232.
- Traylor Engineering and Manufacturing Co. (See Traylor, Bruce W., assignor.)
- Treacy, Frank P., De Smet, S. D. Lap-robe fastener. No. 1,085,368; Jan. 27; Gaz. vol. 198; p. 803.
- Treadway, William T., St. Louis, Mo. Sheet-container. No. 1,112,041; Sept. 29; Gaz. vol. 206; p. 1277.
- Treadwell, Victor A., Detroit, Mich. Ship's swinging table. No. 1,083,778; Jan. 6; Gaz. vol. 198; p. 172.
- Trebing, John, guardian. (See Finnegan, John L.)
- Tree, Eber B., Chicago, Ill., assignor to J. H. Beach, T. R. Eggert, W. M. Spiegel, C. W. Holmes, and G. M. Diven, Elmira, N. Y. Rotary engine. No. 1,104,331; July 21; Gaz. vol. 204; p. 819.
- Trefzer, Jacques A., Detroit, and C. S. Owen, Highland Park, Mich. Dirigible lamp. No. 1,104,021; July 21; Gaz. vol. 204; p. 712.
- Treganza, Howard J., assignor to The Ansonia Clock Company, New York, N. Y. Clock-switch. No. 1,088,381; Feb. 24; Gaz. vol. 199; p. 1115.
- Treganza, Howard J., assignor to The Ansonia Clock Company, New York, N. Y. Clock. No. 1,103,453; July 14; Gaz. vol. 204; p. 473.
- Treganza, Howard J., assignor to Ansonia Clock Company, New York, N. Y. Alarm mechanism for clocks. No. 1,115,134; Oct. 27; Gaz. vol. 207; p. 1091.
- Treganza, Howard J., assignor to The Ansonia Clock Company, New York, N. Y. Alarm-clock. No. 1,116,764; Nov. 10; Gaz. vol. 208; p. 491.
- Tregoning, Alfred, Los Angeles, Cal. Irrigating system. No. 1,104,580; July 21; Gaz. vol. 204; p. 908.
- Tregoning Electric Manufacturing Company, The. (See Tregoning, William C., assignor.)
- Tregoning, John, New Haven, Conn. Combination sash-lock and alarm. No. 1,093,955; Apr. 21; Gaz. vol. 201; p. 698.
- Tregoning, William C., assignor to The Tregoning Electric Manufacturing Company, Cleveland, Ohio. Socket for incandescent electric lamps. No. 1,090,354; Mar. 17; Gaz. vol. 200; p. 666.
- Treibacher Chemische Werke Gesellschaft m. b. H. (See Fattinger, Franz, assignor.)
- Treibacher Chemische Werke Gesellschaft mit beschränkter Haftung. (See Ganz, Charles, assignor.)
- Treiber, Oscar. (See Bell and Treiber.)
- Treiber, Theodore R., Kansas City, Mo. Bed. No. 1,088,305; Feb. 24; Gaz. vol. 199; p. 1090.
- Treiber, Theodore R., assignor to The Central Billiard Supply Company, Kansas City, Mo. Chalk-holder. No. 1,088,304; Feb. 24; Gaz. vol. 199; p. 1090.
- Treiber, Theodore R., Kansas City, Mo. Cue-tip clamp. No. 1,099,675; June 9; Gaz. vol. 203; p. 492.
- Treiber, William F., Corning, assignor to Ingersoll-Rand Company, New York, N. Y. Unloading device for compressors. No. 1,093,299; Apr. 14; Gaz. vol. 201; p. 439.
- Treichel, Gustav W., Ambler, Pa. Water-meter. No. 1,105,224; July 28; Gaz. vol. 204; p. 1177.
- Treichsch, Elmer. (See Baldwin and Treisch.)
- Treloggan, Austin H., Handsworth, Birmingham, England. Exhaust-whistle. No. 1,120,424; Dec. 8; Gaz. vol. 209; p. 564.
- Tremp, A. A., et al. (See Harling, Walter, assignor.)
- Trench, Walter L., Baltimore, and A. G. Zepp, Annapolis Junction, Md. Ballast-cleaner. No. 1,119,378; Dec. 1; Gaz. vol. 209; p. 165.
- Trenkamp Stove & Manufacturing Company, The. (See Geurink, Bernard A., assignor.)
- Trenowith, Romilly, McGill, Nev. Spoon-holder. No. 1,113,918; Oct. 13; Gaz. vol. 207; p. 568.
- Trent, Benjamin, Clifton, N. J. Fire-alarm circuit-closer. No. 1,095,949; May 5; Gaz. vol. 202; p. 262.
- Trent, Walter E., assignor of one-third to H. C. Cutler, Reno, Nev. Separating apparatus. No. 1,097,896; May 26; Gaz. vol. 202; p. 1060.
- Trent, William, assignor of one-half to F. S. Stott, Stottville, N. Y. Spool. No. 1,119,552; Dec. 1; Gaz. vol. 209; p. 226.
- Trenton Electric and Conduit Company, The. (See Alpaugh, Clifford J., assignor.)
- Trenton Iron Company, The. (See Webber, Samuel S., assignor.)
- Tresca, Clifford F. (See Annis, John H., assignor.)
- Trescott, John B., and R. C. Busch, St. Louis, Mo. Boat-propelling mechanism. No. 1,091,257; Mar. 24; Gaz. vol. 200; p. 1010.
- Tresp, August P. (See Simmons and Tresp.)
- Tresselt, William, New York, N. Y. Sash-lock. No. 1,097,379; May 19; Gaz. vol. 202; p. 836.
- Tressler, Charles J., Glencoe, Pa. Nut-lock. No. 1,090,765; Mar. 17; Gaz. vol. 200; p. 806.
- Treuheit, Fred J., et al. (See Grueninger, Edward, assignor.)
- Trevey, David A. (See Dalley and Trevey.)
- Trevisan, Richard, Worcester, Mass. Cheese-cutter. No. 1,104,718; July 21; Gaz. vol. 204; p. 954.
- Tribett, Herbert E., Cameron, W. Va. Adjusting means for car-brakes. No. 1,094,274; Apr. 21; Gaz. vol. 201; p. 804.
- Trice, Bacon S., Corpus Christi, Tex. Combined hat and coat rack. No. 1,116,765; Nov. 10; Gaz. vol. 208; p. 491.
- Trick, Wilkins M., Pittsburgh, Pa. Proportional indicating device. No. 1,091,872; Mar. 31; Gaz. vol. 200; p. 1262.
- Triebel, Frieda, Strassburg, Germany. Hat-box. No. 1,114,313; Oct. 20; Gaz. vol. 207; p. 748.
- Trifonoff, Alexander, and D. Gardner, St. Petersburg, Russia. Treating antimony and arsenic ores. No. 1,097,897; May 26; Gaz. vol. 202; p. 1061.
- Trimbach, Joseph, Rye, N. Y. Non-refillable bottle. No. 1,095,607; May 5; Gaz. vol. 202; p. 149.
- Trimble, Frank. (See Main, George W., assignor.)
- Trimble, Joseph A., and C. H. Miller, Portland, Oreg. Oil-burner. No. 1,086,956; Feb. 10; Gaz. vol. 199; p. 525.
- Trimble, Walter A. (See McGlinsey and Trimble.)
- Trinder, Charles R., Fendalton, Christchurch, New Zealand. Appliance for use in connection with saucepans. No. 1,101,587; June 30; Gaz. vol. 203; p. 1292.
- Trinkaus, Charles J., Chicago, Ill. Hydraulic jack for stump-pullers. No. 1,102,825; July 7; Gaz. vol. 204; p. 211.
- Trinks, Franz, Brunswick, Germany. Device for preventing the overthrow of gears. No. 1,088,485; Feb. 24; Gaz. vol. 199; p. 1148.
- Trinks, Franz, Brunswick, Germany. Calculating-machine. No. 1,088,486; Feb. 24; Gaz. vol. 199; p. 1149.
- Trinks, Franz, Brunswick, Germany. Calculating-machine. No. 1,094,275; Apr. 21; Gaz. vol. 201; p. 804.
- Trinks, Franz, Brunswick, Germany. Carrying mechanism for calculating-machines. No. 1,098,193; May 26; Gaz. vol. 202; p. 1163.
- Trinks, Franz, Brunswick, Germany. Calculating-machine. No. 1,100,631; June 16; Gaz. vol. 203; p. 854.
- Trinks, Franz, Brunswick, Germany. Calculating-machine. No. 1,118,829; Nov. 24; Gaz. vol. 208; p. 1291.
- Trinks, Franz, Brunswick, Germany. Calculating-machine. No. 1,118,830; Nov. 24; Gaz. vol. 208; p. 1291.
- Triou, André, Seine, France. Locking device for grease-cups. No. 1,090,766; Mar. 17; Gaz. vol. 200; p. 806.
- Triplett, James M., Wenatchee, Wash. Loop-setter. No. 1,097,483; May 19; Gaz. vol. 202; p. 872.

Alphabetical list of patentees—Continued.

- Tripp, Benjamin D., Binghamton, assignor of one-fourth to A. R. Kelly, New York, one-fourth to W. J. Haskin and one-fourth to M. S. Squires, Binghamton, N. Y. Automatic train-stop. No. 1,113,385; Oct. 13; Gaz. vol. 207; p. 383.
- Tripp, C. A. (See Rutledge, William T., assignor.)
- Tripp, Eliphalet A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for shaping rands. No. 1,115,037; Oct. 27; Gaz. vol. 207; p. 1056.
- Tripp Fruit Wrapping Machine Company. (See Ballard, Milton H., assignor.)
- Tripp, George F., Flint, Mich. Fireplace. No. 1,087,852; Feb. 17; Gaz. vol. 199; p. 886.
- Tripp, Solomon. (See Prash and Tripp.)
- Triquet, Paul G., Paris, France. Sterilizer. No. 1,089,990; Mar. 10; Gaz. vol. 200; p. 499.
- Trischan, John, Chicago, Ill. Rubber heel. No. 1,106,753; Aug. 11; Gaz. vol. 205; p. 452.
- Trist, Arthur R., London, England. Cup-ring-packed piston or plunger. No. 1,083,957; Jan. 13; Gaz. vol. 198; p. 259.
- Trist, Arthur R., London, England. Manufacture of cup-packing of composite material. No. 1,118,315; Nov. 24; Gaz. vol. 208; p. 1112.
- Trist, Arthur R., London, England. Note-sheet for electrical musical instruments. No. 1,120,171; Dec. 8; Gaz. vol. 209; p. 474.
- Triumph Manufacturing Company, The. (See Hackstedde, Herbert, assignor.)
- Triumph Voting Machine Company. (See Abbott, Charles C., assignor.)
- Triumph Voting Machine Company. (See Winslow, Lenna R., assignor.)
- Trivers, Daniel J., Bridgeport, and J. M. Schneider, Long Hill, Conn. Drill-press attachment for offset drilling. No. 1,112,730; Oct. 6; Gaz. vol. 207; p. 113.
- Trnka, Karl, Sofia, Bulgaria. Construction of railway-lines. No. 1,085,770; Feb. 3; Gaz. vol. 199; p. 70.
- Trobeck, Enoch, Charlottenburg, Germany, assignor to The National-Acme Manufacturing Company, Cleveland, Ohio. Metal-working machine. No. 1,092,462; Apr. 7; Gaz. vol. 201; p. 117.
- Troemner, Charles E. (See Hagey, Robert J., assignor.)
- Troesch, Ernst, Basel, Switzerland. Device for supporting the lower extremities of invalids when lying down. No. 1,118,973; Dec. 1; Gaz. vol. 209; p. 24.
- Tröger, Richard, Charlottenburg, Germany, assignor to General Electric Company. Governing mechanism for centrifugal compressors operating in parallel. No. 1,121,956; Dec. 22; Gaz. vol. 209; p. 1185.
- Trojan Machine Company. (See Scovill, James P., assignor.)
- Trojanoski, Walter, Patchogue, N. Y. Shade-hanger. No. 1,115,257; Oct. 27; Gaz. vol. 207; p. 1134.
- Tromlitz, Oscar, Cleveland, Ohio. Compasses. No. 1,098,536; June 2; Gaz. vol. 203; p. 63.
- Trommer, Charles R., assignor to A. Wittnauer Co., New York, N. Y. Bracelet. No. 1,120,567; Dec. 8; Gaz. vol. 209; p. 615.
- Tromp, Gerard P., assignor to Western Electric Company, New York, N. Y. Switch-key. No. 1,109,947; Sept. 8; Gaz. vol. 206; p. 427.
- Trompeter, Henry G. (See Gates, Charles, assignor.)
- Trompeter, William C., Edgemont, S. D. Agricultural implement. No. 1,114,940; Oct. 27; Gaz. vol. 207; p. 1022.
- Trone, Maurice N., Hanover, Pa. Type-writer. No. 1,101,588; June 30; Gaz. vol. 203; p. 1292.
- Tronrud, Peter, Prairie Farm, Wis. Whip-socket. No. 1,112,239; Sept. 29; Gaz. vol. 206; p. 1347.
- Tropp, Leopold, *et al.* (See Rivkin, Bert, assignor.)
- Troppman, Charles J., assignor to F. A. Hardy & Company, Chicago, Ill. Instrument for measuring lenses. No. 1,083,309; Jan. 6; Gaz. vol. 198; p. 17.
- Troppman, Charles J., assignor to F. A. Hardy & Company, Chicago, Ill. Goggles or eye-protector. No. 1,097,198; May 19; Gaz. vol. 202; p. 772.
- Troseth, Gunerius. (See Frosliid and Troseth.)
- Tross, Fred, Jr. (See Hines, Edward, assignor.)
- Trost, Jacob, New York, N. Y. Dentist's tool. No. 1,111,110; Sept. 22; Gaz. vol. 206; p. 920.
- Trostler, Max F., Cleveland, Ohio. Amusement device. No. 1,099,899; June 9; Gaz. vol. 203; p. 568.
- Trotter, George F., assignor of one-half to A. M. Millard, Des Moines, Iowa. Self-starter. No. 1,114,069; Oct. 20; Gaz. vol. 207; p. 660.
- Trotter, Henry, and E. Bell, Anderson, Mo. Reel for taking up and paying out wire. No. 1,120,172; Dec. 8; Gaz. vol. 209; p. 474.
- Trotter, James, Chicago, Ill. Draft-producing device. No. 1,111,775; Sept. 29; Gaz. vol. 206; p. 1187.
- Trotter, James, Chicago, Ill. Draft-regulating device for locomotive-engines. No. 1,111,776; Sept. 29; Gaz. vol. 206; p. 1187.
- Trotter, Walter F., Charleston, W. Va., assignor to The Jeffrey Manufacturing Company. Electrically-driven drill. No. 1,086,797; Feb. 10; Gaz. vol. 199; p. 472.
- Trotter, Walter F., Charleston, W. Va., assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Drill. No. 1,087,089; Feb. 10; Gaz. vol. 199; p. 568.
- Trotter, Walter H. (See Nelson, Herman, assignor.)
- Trounce, Frank W. (See Scott, Frederick C., assignor.)
- Trout, Ed T., Chillicothe, Tex. Churn. No. 1,086,739; Feb. 10; Gaz. vol. 199; p. 450.
- Trout, Miles W., Youngwood, Pa. Galvanizing-machine. No. 1,107,464; Aug. 18; Gaz. vol. 205; p. 750.
- Trout, Peter N., Roanoke, Va. Headlight-actuating mechanism for locomotives. No. 1,112,577; Oct. 6; Gaz. vol. 207; p. 59.
- Trout, Philip H., Mount Vernon, assignor to Vinton, Trout & Wheeler, Inc., New York, N. Y. Making hollow tiles. No. 1,122,669; Dec. 29; Gaz. vol. 209; p. 1469.
- Trout, William H., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Set-works. No. 1,097,271; May 19; Gaz. vol. 202; p. 799.
- Troutman, George W., Caldwell, Kans. Adjustable valve-seat-dressing device. No. 1,088,945; Mar. 3; Gaz. vol. 200; p. 94.
- Troutman, Roy J., Shamokin, Pa. Sanitary toilet-seat. No. 1,092,786; Apr. 7; Gaz. vol. 201; p. 227.
- Troutman, William D., Chicago, Ill. Rotary engine. No. 1,083,710; Jan. 6; Gaz. vol. 198; p. 150.
- Trow & Holden Co. (See Tobin, Edward M., assignor.)
- Troxel, David S., Elyria, Ohio. Saddle. No. 1,118,600; Nov. 24; Gaz. vol. 208; p. 1214.
- Troxel, David S., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Bicycle saddle-clamp. No. 1,096,076; May 5; Gaz. vol. 202; p. 343.
- Troxel Manufacturing Company, The. (See Troxel, David S., assignor.)
- Troxell, Harry J., Gettysburg, Pa. Film reel and casing. No. 1,106,754; Aug. 11; Gaz. vol. 205; p. 452.
- Troxler, Leon, New Orleans, La. Propeller-blade. No. 1,097,199; May 19; Gaz. vol. 202; p. 772.
- Troy, John W., Port Huron, Mich. Elevating means. No. 1,115,750; Nov. 3; Gaz. vol. 208; p. 96.
- Troy Laundry Machinery Company. (See Bartholomew, William, assignor.)
- Troy Laundry Machinery Company. (See Bartholomew and Balzer, assignors.)
- Troy Laundry Machinery Company. (See Bartholomew, Broderick, and Balzer, assignors.)
- Troy Laundry Machinery Company. (See Broderick, James F., assignor.)
- Troy, Matthew O., Schenectady, N. Y., assignor to General Electric Company. Protecting high-voltage transformers. No. 1,105,385; July 28; Gaz. vol. 204; p. 1238.
- Troy, Steven. (See Jacobsen, Troy, and Kjeldsen.)
- Troy Wagon Works Company, The. (See Eccard and Smith, assignors.)
- Troye, Einar, and E. Edwin, assignors to Norsk Hydro-Elektrisk Kvaestofaktieselskab, Christiania, Norway. Electric-arc-furnace plant. No. 1,122,555; Dec. 29; Gaz. vol. 209; p. 1427.
- Truby, Franklin J., assignor to Automatic Electric Company, Chicago, Ill. Automatic trunking system. No. 1,122,556; Dec. 29; Gaz. vol. 209; p. 1428.
- Truchetet, Jean B. (See Grillet and Truchetet.)
- Trudeau, Felix L., Stoco, Ontario, Canada. Nut-locking plate. No. 1,123,037; Dec. 29; Gaz. vol. 209; p. 1599.
- True, Charles H., assignor to The Railway Materials Company, Chicago, Ill. Burner for oil-furnaces. No. 1,093,364; Apr. 14; Gaz. vol. 201; p. 461.
- True, Charles H., Phoenixville, Pa., assignor to The Railway Materials Company, Chicago, Ill. Brake-shoe. No. 1,114,941; Oct. 27; Gaz. vol. 207; p. 1023.
- True, Charles H., Phoenixville, Pa., assignor to The Railway Materials Company, Chicago, Ill. Brake-shoe. No. 1,114,942; Oct. 27; Gaz. vol. 207; p. 1023.
- True, William W., Newport, Vt. Evaporator. No. 1,096,328; May 12; Gaz. vol. 202; p. 432.
- Truesdell, Fred A., Youngstown, Ohio. Rotary valve for internal-combustion engines. No. 1,113,512; Oct. 13; Gaz. vol. 207; p. 428.
- Truett, Henry B. (See Derby and Truett.)
- Trufant, Walter E., Whitman, Mass. Transmission-shaft for automobiles. No. 1,084,912; Jan. 20; Gaz. vol. 198; p. 609.
- Trullinger, Bert. (See Trullinger, Lewis F., assignor.)
- Trullinger, Lewis F., assignor to B. Trullinger, Lincoln, Nebr. Lubricator for steam and other engines. No. 1,098,995; June 2; Gaz. vol. 203; p. 216.
- Trumble, John T., assignor to Chevrolet Motor Company, Flint, Mich. Clutch-yoke. No. 1,116,171; Nov. 3; Gaz. vol. 208; p. 241.
- Trumbo, O. B., *et al.* (See Baum, James B., assignor.)
- Trumbull, Robert J., San Rafael, Cal. Ball game. No. 1,096,208; May 12; Gaz. vol. 202; p. 387.
- Trumelet-Faber, Corneille G. E., Paris, France. Saving apparatus for aviators. No. 1,105,049; July 28; Gaz. vol. 204; p. 1117.
- Trump, Edward N., Syracuse, N. Y. Lixiviating apparatus. No. 1,084,980; Jan. 20; Gaz. vol. 198; p. 632.
- Trump, Edward N., Syracuse, assignor to The Solvay Process Company, Solvay, N. Y. Concrete-machine. No. 1,089,883; Mar. 10; Gaz. vol. 200; p. 462.
- Trump, John W. (See Schell, Milo M., assignor.)

Alphabetical list of patentees—Continued.

- Trumper, Frederick J., Cleveland, Ohio, assignor to The National Malleable Castings Company. Hand brake mechanism. No. 1,098,415; June 2; Gaz. vol. 203; p. 20.
- Trundle, George T., assignor to The American Multigraph Company, Cleveland, Ohio. Clip for locking type-lines. No. 1,083,711; Jan. 6; Gaz. vol. 198; p. 150.
- Trundle, George T., assignor to The American Multigraph Company, Cleveland, Ohio. Compensating device for ribbon-feeding mechanism. No. 1,115,991; Nov. 3; Gaz. vol. 208; p. 179.
- Trundle, George T., assignor to The American Multigraph Company, Cleveland, Ohio. Feeding mechanism for cards, envelopes, and similar articles. No. 1,116,860; Nov. 10; Gaz. vol. 208; p. 526.
- Trundle, George T., assignor to The American Multigraph Company, Cleveland, Ohio. Linotype-casting mechanism. No. 1,122,819; Dec. 29; Gaz. vol. 209; p. 1522.
- Trundle, George T., Jr., assignor to The American Multigraph Company, Cleveland, Ohio. Rule for rotary printing-machines. No. 1,109,374; Sept. 1; Gaz. vol. 206; p. 185.
- Trundle, George T., Jr., assignor to The American Multigraph Company, Cleveland, Ohio. Column-rule. No. 1,109,375; Sept. 1; Gaz. vol. 206; p. 186.
- Trundle, George T., Jr., assignor to The American Multigraph Company, Cleveland, Ohio. Mechanism for ejecting linotype-slugs. No. 1,122,820; Dec. 29; Gaz. vol. 209; p. 1523.
- Trundy, Charles P., Boston, Mass. Phonograph. No. 1,110,165; Sept. 8; Gaz. vol. 206; p. 506.
- Truran, Timothy, Middlesboro, British Columbia, Canada. Automatic engine-stop. No. 1,109,373; Sept. 1; Gaz. vol. 206; p. 185.
- Trussed Concrete Steel Company of Canada. (See Dawson, John, assignor.)
- Trussed Concrete Steel Company. (See Kahn and Kane, assignors.)
- Trussed Concrete Steel Company. (See Kane, Thomas H., assignor.)
- Trussell, Clarence D., assignor to Trussell Manufacturing Company, New York, N. Y. Temporary binder. No. 1,104,394; July 21; Gaz. vol. 204; p. 840.
- Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)
- Trust, Henry, New York, N. Y. Food-handling apparatus. No. 1,114,070; Oct. 20; Gaz. vol. 207; p. 661.
- Truswall Manufacturing Company. (See Higgins, Albert G., assignor.)
- Tryon, Joseph H., Glen Ridge, N. J., and C. A. Grotz, Ozone Park, N. Y. Making printing-plates. No. 1,100,854; June 23; Gaz. vol. 203; p. 986.
- Tryon, Joseph H., Glen Ridge, N. J., and C. A. Grotz, Ozone Park, N. Y. Apparatus for making printing-plates. No. 1,100,855; June 23; Gaz. vol. 203; p. 987.
- Trypani, Emmanuel G., Liverpool, England. Apparatus for ginning or treating cotton and other fibers. No. 1,118,453; Nov. 24; Gaz. vol. 208; p. 1163.
- Tscherne, Alois, Rorschach, Switzerland. Apparatus for cutting binding-threads. No. 1,104,848; July 28; Gaz. vol. 204; p. 1047.
- Tscherning, Henry, assignor to Arcade Manufacturing Company, Freeport, Ill. Jarring apparatus for packing granular materials. No. 1,102,367; July 7; Gaz. vol. 204; p. 50.
- Tscherning, Henry, assignor to Arcade Manufacturing Company, Freeport, Ill. Molding-machine. No. 1,103,454; July 14; Gaz. vol. 204; p. 473.
- Tschopik, Julius D., assignor to D. G. Butts Specialty Company, New Orleans, La. Sanitary-drinking-cup package. No. 1,101,107; June 23; Gaz. vol. 203; p. 1075.
- Tschudi, Aegidius. (See Sprenger and Tschudi.)
- Tschudy, Fred, Birmingham, Ala. Reversing mechanism. No. 1,112,101; Sept. 29; Gaz. vol. 206; p. 1298.
- Tschudy, Frederick, Birmingham, Ala. Preventing deposition of carbon in reversing-furnaces. No. 1,093,895; Apr. 21; Gaz. vol. 201; p. 678.
- Tschunke, Reinhold. (See Iljinsky and Tschunke.)
- Tsuboi, Kayozi, Portland, Oreg. Weeding implement. No. 1,097,827; May 26; Gaz. vol. 202; p. 1035.
- Tsuboi, Kayozi, Portland, Oreg. Garden implement. No. 1,109,487; Sept. 1; Gaz. vol. 206; p. 222.
- Tsuboi, Kayozi, Portland, Oreg. Pruning implement. No. 1,109,488; Sept. 1; Gaz. vol. 206; p. 222.
- Tsukamoto, Iwakichi, San Francisco, Cal. Fruit-stem cutter. No. 1,115,619; Nov. 3; Gaz. vol. 208; p. 51.
- Tsumura, Georgie N., Mountain View, Cal. Animal-trap. No. 1,098,064; May 26; Gaz. vol. 202; p. 1120.
- Tsuru, Suveo, Newburgh, N. Y. Lemon-juice extractor. No. 1,105,114; July 28; Gaz. vol. 204; p. 1139.
- Tubbs, Lee J., Charleston, S. C. Registering device. No. 1,106,257; Aug. 4; Gaz. vol. 205; p. 232.
- Tubbs, Mary J., *et al.* (See Akes, Charles Y., assignor.)
- Tuch, Christian C., Honolulu, Hawaii. Rotary water-motor. No. 1,100,632; June 16; Gaz. vol. 203; p. 855.
- Tuch, Christian C., Honolulu, Hawaii. Alarm-lock. No. 1,100,633; June 16; Gaz. vol. 203; p. 855.
- Tüchler, Eduard, Vienna, Austria-Hungary. Device for securing ladies' hats on the head. No. 1,084,177; Jan. 13; Gaz. vol. 198; p. 335.
- Tuck, Joseph, Hawks Nest, W. Va. Cutter-head for mining-machines. No. 1,084,871; Jan. 20; Gaz. vol. 198; p. 596.
- Tuck, William W., assignor to Velox Manufacturing Company, New York, N. Y. Addressing-machine. No. 1,094,824; Apr. 28; Gaz. vol. 201; p. 1057.
- Tucker, Albert H. (See Smith and Tucker.)
- Tucker, Albert R., Lott, Tex. Telephone system. No. 1,100,856; June 23; Gaz. vol. 203; p. 987.
- Tucker, Art R., Greenwich, Ohio. Trousers-support. No. 1,097,200; May 19; Gaz. vol. 202; p. 773.
- Tucker, Benjamin W., South Orange, N. J. Machine for folding collars, &c. No. 1,086,419; Feb. 10; Gaz. vol. 199; p. 337.
- Tucker, Benjamin W., South Orange, N. J. Machine for folding collars, &c. No. 1,086,420; Feb. 10; Gaz. vol. 199; p. 338.
- Tucker, Benjamin W., South Orange, N. J. Machine for folding collars, &c. No. 1,086,421; Feb. 10; Gaz. vol. 199; p. 338.
- Tucker, Benjamin W., South Orange, N. J. Machine for folding collars, cuffs, &c. No. 1,086,422; Feb. 10; Gaz. vol. 199; p. 339.
- Tucker, Benjamin W., Newark, N. J., assignor to J. B. Patton, Kent, Ohio. Tacking device. No. 1,093,300; Apr. 14; Gaz. vol. 201; p. 440.
- Tucker, Charles W. (See Kahrs, Leander A., assignor.)
- Tucker, Clarence L., Jefferson City, Tenn. Iron and brace. No. 1,083,779; Jan. 6; Gaz. vol. 198; p. 172.
- Tucker, Clyde B. (See Shows and Tucker.)
- Tucker, Edwin W., San Francisco, Cal. Oil-burning system. No. 1,098,065; May 26; Gaz. vol. 202; p. 1121.
- Tucker, George E., assignor to E. Robinson, Springwater, N. Y. Road scraper and smoother. No. 1,092,676; Apr. 7; Gaz. vol. 201; p. 190.
- Tucker, George F. (See Free, William Y., assignor.)
- Tucker, George H. (See Jones and Tucker.)
- Tucker, George K., Horace, Ill. Incline lifting-jack. No. 1,109,089; Sept. 1; Gaz. vol. 206; p. 83.
- Tucker, Harry G., assignor to National Fuel Saver Corporation, Chicago, Ill. Fuel-economizer device. No. 1,122,821; Dec. 29; Gaz. vol. 209; p. 1523.
- Tucker, John M., and J. A. Wilding, London, England. Carbureter. No. 1,106,258; Aug. 4; Gaz. vol. 205; p. 232.
- Tucker, Junius E., Memphis, Tenn., assignor of one-third to D. C. Herndon and one-third to A. G. Ballersby, New York, N. Y. Egg-carrier. No. 1,104,719; July 21; Gaz. vol. 204; p. 954.
- Tucker, Otto R., St. Louis, Mo. Flash-lamp. No. 1,099,475; June 9; Gaz. vol. 203; p. 423.
- Tucker, Philander K., Sioux Falls, S. D. Car coupling and brake. No. 1,089,991; Mar. 10; Gaz. vol. 200; p. 500.
- Tucker, Roswell S., and H. R. Farnsworth, Sandusky, Ohio. Brick-scraping machine. No. 1,123,038; Dec. 29; Gaz. vol. 209; p. 1599.
- Tucker, Samuel L., Woodbury, N. J., assignor to A. B. Huey, Philadelphia, Pa. Automatic control for printing-presses. No. 1,095,751; May 5; Gaz. vol. 202; p. 197.
- Tucker, Stanley. (See Chapman and Tucker.)
- Tucker, William S., Myrtlewood, Ala. Smoke-consumer. No. 1,113,070; Oct. 6; Gaz. vol. 207; p. 227.
- Tuckett, William F. (See Steiner and Tuckett.)
- Tuculet, Martin F., Buenos Aires, Argentina. Machine for applying lead heads to nails. No. 1,118,706; Nov. 24; Gaz. vol. 208; p. 1251.
- Tudor, John F., assignor of one-fourth to G. C. Kessingner and one-fourth to C. N. Secrist, Wilmington, Ohio. Railway-tie. No. 1,098,996; June 2; Gaz. vol. 203; p. 216.
- Tueckmantel, Hugo, Irvington, N. J., assignor to The R. Neumann Hardware Co. Stay-hinge for bag-frames. No. 1,102,307; July 7; Gaz. vol. 204; p. 30.
- Tueckmantel, Hugo, Irvington, N. J., assignor to The R. Neumann Hardware Co. Bag-frame fastener. No. 1,104,455; July 21; Gaz. vol. 204; p. 862.
- Tufford, Andrew W., Toronto, Ontario, Canada. Power transmission. No. 1,120,867; Dec. 15; Gaz. vol. 209; p. 768.
- Tufford, John G., assignor of one-sixth to C. H. Ingwer, one-sixth to A. G. Smith, and one-twelfth to W. C. Smith, Elyria, Ohio. Resilient heel. No. 1,110,730; Sept. 15; Gaz. vol. 206; p. 746.
- Tufting Machine Supply Company. (See Brink, George B., assignor.)
- Tufts, Gay L., Anahuac, Tex. Foot-rest. No. 1,113,719; Oct. 13; Gaz. vol. 207; p. 499.
- Tufts, Harry W., North Attleboro, Mass., assignor to Hallam-Rice Company, Providence, R. I. Tie-clasp. No. 1,103,455; July 14; Gaz. vol. 204; p. 474.
- Tuffy, Martin, and J. M. Schoeder, Kennedy, N. D. Header attachment for binder-equipped harvesters. No. 1,119,898; Dec. 8; Gaz. vol. 209; p. 379.
- Tuite, George S., Los Angeles, Cal. Concrete-form hanger. No. 1,094,496; Apr. 28; Gaz. vol. 201; p. 940.
- Tukey, Charles F., South Foster, R. I. Stopper. No. 1,096,969; May 19; Gaz. vol. 202; p. 692.
- Tulford, William A., Elkhorn, W. Va. Metal-bender. No. 1,119,691; Dec. 1; Gaz. vol. 209; p. 272.

Alphabetical list of patentees—Continued.

- Tull, John E., Brooklyn, N. Y. Water-circulator for steam-boilers. No. 1,109,882; Sept. 8; Gaz. vol. 206; p. 403.
- Tule, Oliver W., Hartford, Conn. Cushion-heel for boots or shoes. No. 1,091,174; Mar. 24; Gaz. vol. 200; p. 981.
- Tull, William L., Gridley, Cal. Hay-loading derrick. No. 1,108,029; Aug. 18; Gaz. vol. 205; p. 947.
- Tullis, Amos E., Fargo, N. D. Artificial limb. No. 1,117,725; Nov. 17; Gaz. vol. 208; p. 869.
- Tulloch, David D., Newark, N. J. Bolt and nut lock. No. 1,097,484; May 19; Gaz. vol. 202; p. 872.
- Tulloch, David M., New York, assignor of one-half to E. T. Christensen, Brooklyn, N. Y. Explosive-engine. No. 1,086,245; Feb. 3; Gaz. vol. 199; p. 234.
- Tuma, Frank J., Richmond, Va. Work-support for chair-repairing machines. No. 1,122,442; Dec. 29; Gaz. vol. 209; p. 1388.
- Tune, Gunnar S., New York, N. Y. Massage-vibrator. No. 1,084,178; Jan. 13; Gaz. vol. 198; p. 335.
- Tuners Supply Company. (See Hale, Frank W., assignor.)
- Tung-Lok Silo Company. (See McNerney, Edward C., assignor.)
- Tunis, Henry C., Newark, N. J. Safety attachment for automobile cranking mechanism. No. 1,090,660; Mar. 17; Gaz. vol. 200; p. 774.
- Tunncliffe, Charles, Clarinda, Iowa. Combined drinking-fountain and attachment for faucets. No. 1,096,406; May 12; Gaz. vol. 202; p. 456.
- Tunstall, Albert E. (See Tunstall, William B. and A. E.)
- Tunstall, William B. and A. E., Worcester, assignors, by mesne assignments, to National Piano Company, Boston, Mass. Pneumatic governor for musical instruments. No. 1,088,306; Feb. 24; Gaz. vol. 199; p. 1090.
- Tunstead, Louisa C., Victoria, British Columbia, Canada. Garden-shears. No. 1,101,890; June 30; Gaz. vol. 203; p. 1396.
- Tuohy, William H., Eagle, Wis. Concrete-mold. No. 1,109,803; Sept. 8; Gaz. vol. 206; p. 373.
- Tuohy, William H., Eagle, Wis. Concrete-mold. No. 1,111,197; Sept. 22; Gaz. vol. 206; p. 951.
- Tupper, Ernest L., Nashua, N. H. Incubator. No. 1,095,248; May 5; Gaz. vol. 202; p. 25.
- Tupper, William, Grass Valley, Cal. Dish-washing machine. No. 1,083,380; Jan. 6; Gaz. vol. 198; p. 40.
- Turbayne, William A., Buffalo, N. Y., assignor, by mesne assignments, to Central Trust Company of New York, trustee. Voltage-regulator. No. 1,104,849; July 28; Gaz. vol. 204; p. 1048.
- Turbine Motor Electric Car Company, The. (See Lister, John T., assignor.)
- Turbine Pump Company. (See Richards, John, assignor.)
- Turck, Frederick M., New York, N. Y. Slip-sheet machine for printing-presses. No. 1,107,556; Aug. 18; Gaz. vol. 205; p. 781.
- Tureck, Max, Anamoose, N. D. Locking device for end-gates. No. 1,097,828; May 26; Gaz. vol. 202; p. 1036.
- Turine, George, Mass City, Mich. Gate-latch. No. 1,097,485; May 19; Gaz. vol. 202; p. 872.
- Turitz, Morris M., *et al.* (See Rivkin, Bert, assignor.)
- Turk, Albert R., Chicago, Ill. Manifold-sales-book manipulator. No. 1,090,582; Mar. 17; Gaz. vol. 200; p. 748.
- Turke, John, and R. F. Reil, Boston, Mass. Car-door lock. No. 1,096,770; May 12; Gaz. vol. 202; p. 577.
- Turlur, Paul, Waltham, France. Arrangement for dobby and jacquard mechanisms weaving with open shed. No. 1,102,826; July 7; Gaz. vol. 204; p. 212.
- Turman, Ira L., Cynthiana, Ind. Combined syringe, hot-water bag, and ice-bag. No. 1,119,666; Dec. 1; Gaz. vol. 209; p. 264.
- Turnbo, Annie M. (See Majors, Walter L., assignor.)
- Turnbull, Alexander, Glasgow, Scotland. Emergency-rim for vehicle-wheels. No. 1,088,747; Mar. 3; Gaz. vol. 200; p. 26.
- Turnbull, Alfred P., Sydney, New South Wales, Australia. Means for governing the speed of wind-motors. No. 1,112,240; Sept. 29; Gaz. vol. 206; p. 1348.
- Turnbull, Douglas P., Kalamazoo, Mich. Cuspidor. No. 1,101,589; June 30; Gaz. vol. 203; p. 1292.
- Turnbull, Emily D., *et al.*, executors. (See Turnbull, Walter J.)
- Turnbull, James G., Manchester, England. Collar-supporter. No. 1,112,102; Sept. 29; Gaz. vol. 206; p. 1298.
- Turnbull Manufacturing Company, The. (See Turnbull and Taylor, assignors.)
- Turnbull, Percy, Atlantic City, N. J. Cuspidor. No. 1,091,987; Mar. 31; Gaz. vol. 200; p. 1300.
- Turnbull, Walter J., deceased, New Orleans, La.; E. D. Turnbull and J. T. Sullivan, executors. Drill. No. 1,112,946; Oct. 6; Gaz. vol. 207; p. 186.
- Turnbull, Walter J., deceased; J. T. Sullivan and E. D. Turnbull, executors, New Orleans, La. Conveyer. No. 1,112,947; Oct. 6; Gaz. vol. 207; p. 186.
- Turnbull, Walter J., deceased; J. T. Sullivan and E. D. Turnbull, executors, New Orleans, La. Slat conveyer. No. 1,112,948; Oct. 6; Gaz. vol. 207; p. 187.
- Turnbull, Werd W., and C. R. Taylor; said Turnbull assignor to The Turnbull Manufacturing Company, Columbus, Ohio. Batter-baking machine. No. 1,117,929; Nov. 17; Gaz. vol. 208; p. 937.
- Turner, Albert, and T. Robinson, Denton, Manchester, England. Felt-hat-body-planking machine. No. 1,100,459; June 16; Gaz. vol. 203; p. 799.
- Turner, Alonzo O., Tampa, Fla. Auto-drive. No. 1,113,071; Oct. 6; Gaz. vol. 207; p. 227.
- Turner, Alton R., Lima, Ohio. Tail-gate fastener. No. 1,117,930; Nov. 17; Gaz. vol. 208; p. 938.
- Turner, Arnold, Danbury, Conn. Manufacturing hats. No. 1,100,163; June 16; Gaz. vol. 203; p. 697.
- Turner, Arnold, Danbury, Conn. Hat-sizing machine. No. 1,118,079; Nov. 24; Gaz. vol. 208; p. 1031.
- Turner, Benjamin B., Baltimore, Md. Electrical connection. No. 1,104,720; July 21; Gaz. vol. 204; p. 954.
- Turner Brass Works, The. (See Bowyer, John A., assignor.)
- Turner, Cecil L., New York, N. Y., assignor of one-half to S. H. Hart, Houston, Tex. Still. No. 1,091,781; Mar. 31; Gaz. vol. 200; p. 1230.
- Turner, Charles, Chicago, Ill. Extracting oils from solids. No. 1,104,456; July 21; Gaz. vol. 204; p. 862.
- Turner, Charles A., Mount Carmel, Ill. Non-refillable bottle. No. 1,106,598; Aug. 11; Gaz. vol. 205; p. 399.
- Turner, Charles P. (See Mitchell, William J., assignor.)
- Turner, Charles P., W. T. Drake, Harrisburg, and J. E. Little, Steelton, Pa. Tilting furnace. No. 1,086,485; Feb. 10; Gaz. vol. 199; p. 362.
- Turner, Charles W., Brooklyn, N. Y. Oxyhydrocarbon-burner. No. 1,097,066; May 19; Gaz. vol. 202; p. 726.
- Turner, Claude A. P., Minneapolis, Minn. Fireproof construction. No. 1,097,998; May 26; Gaz. vol. 202; p. 1097.
- Turner, Claude A. P., Minneapolis, Minn. Reinforced concrete construction. No. 1,097,999; May 26; Gaz. vol. 202; p. 1098.
- Turner, Claude A. P., Minneapolis, Minn. Drawbridge. No. 1,106,259; Aug. 4; Gaz. vol. 205; p. 233.
- Turner, Claude A. P., Minneapolis, Minn. Ice-house. No. 1,106,854; Aug. 11; Gaz. vol. 205; p. 488.
- Turner, Day & Woolworth Handle Company. (See Cummins, James A., assignor.)
- Turner, Edward T., Dayton, Ohio. Feed-water heater. No. 1,107,379; Aug. 18; Gaz. vol. 205; p. 719.
- Turner, Edward W., and H. S. Reams, assignors to Richmond Cedar Works, Richmond, Va. Machine for making clothes-pins. No. 1,109,948; Sept. 8; Gaz. vol. 206; p. 427.
- Turner, Emma A. (See Kemper, John T. and C. W., assignors.)
- Turner, Flora M., administratrix. (See Allyn and Turner.)
- Turner, Frank F., Little Falls, Minn. Water-heater. No. 1,087,266; Feb. 17; Gaz. vol. 199; p. 683.
- Turner, George A., assignor to Holgate Brothers Company, Kane, Pa. Woodworking-machine. No. 1,086,246; Feb. 3; Gaz. vol. 199; p. 235.
- Turner, George A., assignor to Holgate Brothers Company, Kane, Pa. Shaper for woodworking-machines. No. 1,086,247; Feb. 3; Gaz. vol. 199; p. 235.
- Turner, George T. (See Allyn and Turner.)
- Turner, George W., Bishop, Cal. Plow-point bolt. No. 1,088,046; Feb. 24; Gaz. vol. 199; p. 1001.
- Turner, Harry, assignor to Armstrong Bros. Tool Company, Chicago, Ill. Tool-holder. No. 1,103,164; July 14; Gaz. vol. 204; p. 376.
- Turner, Harry E. (See Downie and Turner.)
- Turner, Harvey E., William, W. Va. Horseshoe-blank. No. 1,084,676; Jan. 20; Gaz. vol. 198; p. 529.
- Turner, Hugh L., Oklahoma, Okla. Ventilator. No. 1,100,634; June 16; Gaz. vol. 203; p. 855.
- Turner, James S., Lowell, Mass. Machine for covering rolls with leather. No. 1,098,066; May 26; Gaz. vol. 202; p. 1122.
- Turner, Jesse A., Elliott, Iowa. Button-mold holder. No. 1,116,172; Nov. 3; Gaz. vol. 208; p. 241.
- Turner, John A., Washington, D. C. Liquid-level indicator. No. 1,093,745; Apr. 21; Gaz. vol. 201; p. 628.
- Turner, John B., and J. S. Briscoe, Okmulgee, Okla. Mowing-machine. No. 1,089,292; Mar. 3; Gaz. vol. 200; p. 211.
- Turner, John E., Normantown, and S. C. Turner, Rosedale, W. Va. Saw-setting device. No. 1,097,272; May 19; Gaz. vol. 202; p. 800.
- Turner, Joseph, assignor, by mesne assignments, to American Vertebrate Propeller Company, New York, N. Y. Propelling mechanism. No. 1,109,155; Sept. 1; Gaz. vol. 206; p. 105.
- Turner, Joseph, and H. Dean, Huddersfield, assignors to Read Holliday & Sons, Ltd., Turnbridge, Huddersfield, England. Dyeing vegetable fibers. No. 1,090,176; Mar. 17; Gaz. vol. 200; p. 605.
- Turner, Joseph, and H. Dean, assignors to Read Holliday & Sons, Ltd., Turnbridge, Huddersfield, England. Substantive dyestuff. No. 1,099,676; June 9; Gaz. vol. 203; p. 492.
- Turner, Joseph, and H. Dean, assignors to Read Holliday & Sons, Ltd., Huddersfield, England. Dyeing vegetable fibers. No. 1,105,722; Aug. 4; Gaz. vol. 205; p. 48.
- Turner, Joseph S., Los Angeles, Cal. Surgical needle. No. 1,110,468; Sept. 15; Gaz. vol. 206; p. 653.

Alphabetical list of patentees—Continued.

- Turner, Loren H., assignor to J. M. Schoonmaker, Pittsburgh, Pa. Center plate. No. 1,121,150; Dec. 15; Gaz. vol. 209; p. 870.
- Turner, Monroe B., Falco, Ala. Table. No. 1,118,851; Nov. 24; Gaz. vol. 208; p. 1298.
- Turner, Ora N., assignor to Bay State Metal Wheel Company, Templeton, Mass. Collapsible vehicle. No. 1,114,314; Oct. 20; Gaz. vol. 207; p. 748.
- Turner, Orton A., Coldwater, Mich. Fishing-rod. No. 1,113,847; Oct. 13; Gaz. vol. 207; p. 544.
- Turner, Sherley C. (See Turner, John E. and S. C.)
- Turner, Steven, New York, N. Y. Necktie-holder. No. 1,122,337; Dec. 29; Gaz. vol. 209; p. 1354.
- Turner, Thomas G., assignor to F. W. Wright, trustee, Yonkers, N. Y. Baffle-wall. No. 1,100,038; June 16; Gaz. vol. 203; p. 652.
- Turner, Walter V. (See Dewson and Turner.)
- Turner, Walter V., Edgewood, assignor to Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,085,771; Feb. 3; Gaz. vol. 199; p. 70.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Electropneumatic brake. No. 1,087,997; Feb. 24; Gaz. vol. 199; p. 984.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Pressure-governor for pumps. No. 1,093,660; Apr. 21; Gaz. vol. 201; p. 599.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,096,870; May 19; Gaz. vol. 202; p. 656.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-compressor. No. 1,096,871; May 19; Gaz. vol. 202; p. 656.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Triple-valve device. No. 1,096,872; May 19; Gaz. vol. 202; p. 656.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Limiting-valve device. No. 1,099,582; June 9; Gaz. vol. 203; p. 460.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety-valve cut-off device. No. 1,099,583; June 9; Gaz. vol. 203; p. 460.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Emergency-valve device. No. 1,099,905; June 9; Gaz. vol. 203; p. 570.
- Turner, Walter V., Edgewood, assignor to Westinghouse Air Brake Company, Pittsburgh, Pa. High-pressure emergency-brake. No. 1,104,850; July 28; Gaz. vol. 204; p. 1048.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Triple-valve device. No. 1,107,380; Aug. 18; Gaz. vol. 205; p. 719.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. No. 1,107,381; Aug. 18; Gaz. vol. 205; p. 719.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake apparatus. No. 1,108,280; Aug. 25; Gaz. vol. 205; p. 1083.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,108,947; Sept. 1; Gaz. vol. 206; p. 31.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Triple-valve device. No. 1,108,948; Sept. 1; Gaz. vol. 206; p. 32.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,108,949; Sept. 1; Gaz. vol. 206; p. 32.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Triple-valve device. No. 1,111,777; Sept. 29; Gaz. vol. 206; p. 1188.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Quick-action triple-valve device. No. 1,112,493; Oct. 6; Gaz. vol. 207; p. 27.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Combined automatic and straight-air brake. No. 1,112,494; Oct. 6; Gaz. vol. 207; p. 28.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Duplex-pressure electric pump-governor. No. 1,112,495; Oct. 6; Gaz. vol. 207; p. 28.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,114,820; Oct. 27; Gaz. vol. 207; p. 979.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Train-pipe vent-valve device. No. 1,114,821; Oct. 27; Gaz. vol. 207; p. 979.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,114,822; Oct. 27; Gaz. vol. 207; p. 980.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Electropneumatic control-valve. No. 1,114,823; Oct. 27; Gaz. vol. 207; p. 980.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Triple-valve device. No. 1,119,899; Dec. 8; Gaz. vol. 209; p. 379.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Emergency-valve device. No. 1,120,765; Dec. 15; Gaz. vol. 209; p. 732.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic sand-valve device. No. 1,120,766; Dec. 15; Gaz. vol. 209; p. 733.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,120,986; Dec. 15; Gaz. vol. 209; p. 809.
- Turner, Walter V., Wilksburg, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,109,714; Sept. 8; Gaz. vol. 206; p. 345.
- Turner, Walter V., Wilksburg, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,109,715; Sept. 8; Gaz. vol. 206; p. 345.
- Turner, Walter V., Wilksburg, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Lubricator for air-pumps. No. 1,112,492; Oct. 6; Gaz. vol. 207; p. 27.
- Turner, William B., Wilmington, Del., assignor to W. B. Turner Machine Company. Leather-finishing machine. No. 1,102,368; July 7; Gaz. vol. 204; p. 51.
- Turner, William C. (See Graham, Turner, Foster, and Grant.)
- Turner, William E., Denton, near Manchester, England. Felt-hat-brushing machine. No. 1,100,460; June 16; Gaz. vol. 203; p. 799.
- Turner, William W., Washington, D. C. Chair. No. 1,108,030; Aug. 18; Gaz. vol. 205; p. 948.
- Turney Company, The. (See Turney, Eugene T., assignor.)
- Turney, Eugene T., New York, N. Y. Combination-bench. No. 1,100,272; June 16; Gaz. vol. 203; p. 735.
- Turney, Eugene T., New York, N. Y. Music roll or spool and flange therefor. No. 1,109,716; Sept. 8; Gaz. vol. 206; p. 346.
- Turney, Eugene T., assignor to Artista Piano Player Company, Rock Island, Ill. Automatic speed-controller and stop mechanism for piano-playing attachments. No. 1,091,719; Mar. 31; Gaz. vol. 200; p. 1207.
- Turney, Eugene T., Rock Island, assignor to Artista Piano Player Company, Milan, Ill. Music sheet or record for playing attachments for musical instruments. No. 1,107,558; Aug. 18; Gaz. vol. 205; p. 782.
- Turney, Eugene T., Rock Island, assignor to Artista Piano Player Company, Milan, Ill. Winding and rewinding mechanism for music sheets or records. No. 1,107,561; Aug. 18; Gaz. vol. 205; p. 783.
- Turney, Eugene T., Rock Island, assignor to Artista Piano Player Company, Milan, Ill. Winding and rewinding mechanism for music sheets or records. No. 1,107,562; Aug. 18; Gaz. vol. 205; p. 784.
- Turney, Eugene T., Rock Island, assignor to Artista Piano Player Company, Milan, Ill. Winding and rewinding mechanism for music sheets or records. No. 1,112,174; Sept. 29; Gaz. vol. 206; p. 1324.
- Turney, Eugene T., Rock Island, assignor to Artista Piano Player Company, Milan, Ill. Pneumatic action for musical instruments. No. 1,118,249; Nov. 24; Gaz. vol. 208; p. 1088.
- Turney, Eugene T., Davenport, Iowa, assignor, by mesne assignments, to American Player Action Company, New York, N. Y. Piano-player. No. 1,098,136; May 26; Gaz. vol. 202; p. 1145.
- Turney, Eugene T., Davenport, Iowa, assignor, by mesne assignments, to American Player Action Company, New York, N. Y. Piano-player. No. 1,102,613; July 7; Gaz. vol. 204; p. 138.
- Turney, Eugene T., assignor to American Player Action Company, New York, N. Y. Valve mechanism for pneumatic players. No. 1,111,778; Sept. 29; Gaz. vol. 206; p. 1189.
- Turney, Eugene T., assignor to The Turney Company, Chicago, Ill. Playing attachment for musical instruments. No. 1,107,557; Aug. 18; Gaz. vol. 205; p. 782.
- Turney, Eugene T., Rock Island, assignor to The Turney Company, Chicago, Ill. Winding and rewinding mechanism for music sheets or records. No. 1,107,559; Aug. 18; Gaz. vol. 205; p. 782.
- Turney, Eugene T., Rock Island, assignor to The Turney Company, Chicago, Ill. Music sheet or record. No. 1,107,560; Aug. 18; Gaz. vol. 205; p. 783.
- Turney, Tully C., Nevada, Ohio. Folding trousers-creaser. No. 1,101,891; June 30; Gaz. vol. 203; p. 1396.

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- Turpin, John. (See Ullrich and Turpin.)
- Turton, Charles M., Nashville, Tenn. Spring-cushion type-writer foot. No. 1,114,417; Oct. 20; Gaz. vol. 207; p. 785.
- Turzik, Paul, Endicott, assignor of one-half to S. T. Krna, Binghamton, N. Y. Wheel-plow. No. 1,104,230; July 21; Gaz. vol. 204; p. 784.
- Tuscany, Alexander, and L. J. Peterson, St. Albans, Vt. Stanchion-retainer. No. 1,084,179; Jan. 13; Gaz. vol. 198; p. 336.
- Tuseth, Charles J., Osseo, Minn. Plow. No. 1,106,526; Aug. 11; Gaz. vol. 205; p. 372.
- Tussing, Christian, Tonawanda, N. Y. Automatic organ. No. 1,096,329; May 12; Gaz. vol. 202; p. 432.
- Tust, Paul. (See Thun, Tust, and Thomaschewski.)
- Tutt, Edward G., et al. (See Lee, Henry W., assignor.)
- Tuttle, Frederick A., Plainfield, Ill. Corn-harvesting machine. No. 1,099,216; June 9; Gaz. vol. 203; p. 333.
- Tuttle, Harry, Connerville, Ind. Tire-holder. No. 1,106,755; Aug. 11; Gaz. vol. 205; p. 453.
- Tuttle, John A., et al. (See McGraner, John E., assignor.)
- Tuttle, Joseph H., Somerville, assignor to C. B. Frost, Cambridge, Mass. Gunning apparatus. No. 1,118,163; Nov. 24; Gaz. vol. 208; p. 1059.
- Tuttle, Manning, Springfield, Mass. Combined wrench and lock for shut-off cocks. No. 1,104,022; July 21; Gaz. vol. 204; p. 712.
- Tuttle, Peter J., Williamston, Mich. Poultry-feeder. No. 1,116,958; Nov. 10; Gaz. vol. 208; p. 558.
- Tuttle, Ralph P., Arrochar, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlled apparatus. No. 1,086,957; Feb. 10; Gaz. vol. 199; p. 526.
- Tutwiler, Thomas H., Memphis, Tenn. Railway-track construction in paved streets. No. 1,121,421; Dec. 15; Gaz. vol. 209; p. 960.
- Tuxbury, Clarence C., et al. (See Reed, Arthur S., assignor.)
- Tweed, Herman D., et al. (See Harn, Charles B., assignor.)
- Tweedie, Charles. (See Goodbar, Alvan B., assignor.)
- Tweedie, Charles, Jefferson City, Mo. Boot and shoe. No. 1,115,038; Oct. 27; Gaz. vol. 207; p. 1057.
- Tweedy, Edmund, assignor of one-half to E. R. Tweedy, New York, N. Y., and one-half to Matteawan Manufacturing Company. Preparing fur for felting. No. 1,085,391; Jan. 27; Gaz. vol. 198; p. 811.
- Tweedy, Emma R., et al. (See Tweedy, Edmund, assignor.)
- Twit, Jacob M., and J. O. Wise, Ericson, Mont. Washing-machine. No. 1,104,581; July 21; Gaz. vol. 204; p. 908.
- Twichell, Frank A., assignor to San Juan Fishing & Packing Company, Inc., Seattle, Wash. Cannery exhaust-box. No. 1,122,173; Dec. 22; Gaz. vol. 209; p. 1258.
- Twigg, Ernest. (See Spellman and Twigg.)
- Twigg, Ernest, assignor to Landers, Frary & Clark, New Britain, Conn. Grinding-mill. No. 1,114,657; Oct. 20; Gaz. vol. 207; p. 868.
- Twining, Charles, Locust Point, N. J. Smoker's pouch. No. 1,096,771; May 12; Gaz. vol. 202; p. 578.
- Twining, Charles, Locust Point, N. J. Safety-razor. No. 1,119,327; Dec. 1; Gaz. vol. 209; p. 147.
- Twinplex Manufacturing Company. (See Kanawah, Crawford M., assignor.)
- Twiss, Richard S., Edgerton, Va. Mail-pouch. No. 1,092,962; Apr. 14; Gaz. vol. 201; p. 322.
- Twiss, Richard S., Edgerton, Va. Mail-pouch. (Reissue.) No. 13,801; Sept. 15; Gaz. vol. 206; p. 845.
- Twist, William J., Tulsa, Okla. Horseshoe. No. 1,089,293; Mar. 3; Gaz. vol. 200; p. 211.
- Twombly Motors Company. (See Twombly, Willard I., assignor.)
- Twombly, Willard I., New York, N. Y. Gas-engine. No. 1,102,457; July 7; Gaz. vol. 204; p. 83.
- Twombly, Willard I., New York, N. Y. Internal-combustion engine. No. 1,113,262; Oct. 13; Gaz. vol. 207; p. 339.
- Twombly, Willard I., assignor to Twombly Motors Company, New York, N. Y. Motor-vehicle. No. 1,089,024; Mar. 3; Gaz. vol. 200; p. 120.
- Twombly, Willard I., assignor to Twombly Motors Company, New York, N. Y. Aeroplane. No. 1,112,731; Oct. 6; Gaz. vol. 207; p. 114.
- Twombly, Willard I., assignor to Twombly Motors Company, New York, N. Y. Internal-combustion engine. No. 1,117,464; Nov. 17; Gaz. vol. 208; p. 776.
- Twombly, Willard I., assignor to Twombly Motors Company, New York, N. Y. Motor-vehicle. No. 1,120,106; Dec. 8; Gaz. vol. 209; p. 450.
- Tyborowski, Edmund. (See Brech and Tyborowski.)
- Tyden, Emil. (See Burton, Charles S., assignor.)
- Tyden, Emil, Hastings, Mich. Seal-lock. No. 1,093,661; Apr. 21; Gaz. vol. 201; p. 599.
- Tyden, Emil, Hastings, Mich. Indicator-lock. No. 1,093,662; Apr. 21; Gaz. vol. 201; p. 600.
- Tyden, Emil, Evanston, Ill. Seal-lock. No. 1,115,620; Nov. 3; Gaz. vol. 208; p. 51.
- Tyden, Emil, Evanston, Ill. Self-locking seal. No. 1,115,751; Nov. 3; Gaz. vol. 208; p. 97.
- Tydings, Thomas J., Moberly, Mo. Folding type-writer cabinet. No. 1,121,422; Dec. 15; Gaz. vol. 209; p. 961.
- Tye, Anna R., St. Joseph, Mo. Automatic stop. No. 1,094,037; Apr. 21; Gaz. vol. 201; p. 725.
- Tygard Engine, The. (See Tygard, James W., assignor.)
- Tygard, Frederick C., Pittsburgh, Pa. Internal-combustion engine. No. 1,107,382; Aug. 18; Gaz. vol. 205; p. 720.
- Tygard, James W., New York, N. Y., assignor to The Tygard Engine. Internal-combustion engine. No. 1,123,039; Dec. 29; Gaz. vol. 209; p. 1599.
- Tyler, Augustus, Wheeling, W. Va. Resilient tire. No. 1,092,963; Apr. 14; Gaz. vol. 201; p. 323.
- Tyler, Clarence E., Passaic, N. J., and E. D. Every, Walton, assignors to S. E. T. Valve & Hydrant Company, New York, Inc., New York, N. Y. Curb-box. No. 1,108,031; Aug. 18; Gaz. vol. 205; p. 948.
- Tyler, Clifford M. (See Bone, Jamieson, assignor.)
- Tyler, Edward B. (See Staaf, Werner I., assignor.)
- Tyler, Edward B. (See Staaf and Tyler.)
- Tyler, Edward B., Pittsburgh, Pa. Pipe-support. No. 1,097,273; May 19; Gaz. vol. 202; p. 800.
- Tyler, Joseph C., J. A. Behrends, and L. Parks, Abilene, Tex. Machine for truing locomotive driving-wheels. No. 1,085,710; Feb. 3; Gaz. vol. 199; p. 46.
- Tyler, Lydia A., Spokane, Wash., assignor to R. J. Schmid, San Diego, Cal. Hat-ventilator. No. 1,111,417; Sept. 22; Gaz. vol. 206; p. 1026.
- Tyler, Robert H., New York, N. Y. Indexed book. No. 1,084,981; Jan. 20; Gaz. vol. 198; p. 632.
- Tyler, Thaddeus F., Lawrence, Mass. Waterproofing apparatus. No. 1,092,761; Apr. 7; Gaz. vol. 201; p. 219.
- Tyler, S. R., et al. (See Ellis, Thomas H., assignor.)
- Tyler, William C. (See Nall and Tyler.)
- Tyler, William C., and E. Nall, assignors to The Goodyear Tire and Rubber Company, Akron, Ohio. Friction-clutch. No. 1,096,649; May 12; Gaz. vol. 202; p. 538.
- Tyler, William C., and E. Nall, assignors to The Goodyear Tire and Rubber Company, Akron, Ohio. Tensioning device. No. 1,100,039; June 16; Gaz. vol. 203; p. 652.
- Tyler, William C., and E. Nall, assignors to The Goodyear Tire and Rubber Company, Akron, Ohio. Machine for covering bead-cores. No. 1,113,513; Oct. 13; Gaz. vol. 207; p. 428.
- Tyler, William T., Warsaw, Va. Pen cleaner and holder. No. 1,089,992; Mar. 10; Gaz. vol. 200; p. 500.
- Tynes, Minor E., Gloster, Miss. Sewing-machine attachment. No. 1,085,307; Jan. 27; Gaz. vol. 198; p. 782.
- Typograph Gesellschaft m. b. H. (See Dorneth, Julius, assignor.)
- Tyrrell, Charles A. (See Eggers, Alfred C., assignor.)
- Tyrrell, Charles A., New York, N. Y. Syringe. No. 1,086,873; Feb. 10; Gaz. vol. 199; p. 498.
- Tysseling, Peter, Pella, Iowa. Resilient wheel. No. 1,113,514; Oct. 13; Gaz. vol. 207; p. 429.
- Tyson Company, The. (See Tyson, Frank, assignor.)
- Tyson, Frank, assignor to The Tyson Company, Canton, Ohio. Ice-cream freezer. No. 1,089,094; Mar. 3; Gaz. vol. 200; p. 144.
- Tytlanchuk, Anastazy. (See Fedorcio, Stanislaw, assignor.)
- Tywacana Farms Poultry Company. (See Hammond, Robert O., assignor.)
- U. S. Expansion Bolt Co. (See Conrad, Joseph R., assignor.)
- U. S. Expansion Bolt Company. (See Zifferer, Lothar R., assignor.)
- U. S. Hame Company. (See Cameron, Charles E., assignor.)
- U. S. Hame Company. (See Wiedrich, Charles L., assignor.)
- U. S. Slicing Machine Company. (See McCormick, John I., assignor.)
- U. S. Slicing Machine Company. (See Stukart, Hendrik, assignor.)
- U. S. Steel Furniture Company. (See Ohnstrand, Enoch, assignor.)
- U. S. Steel Tank & Pipe Company. (See Fernoch and Baker, assignors.)
- U. S. Wire Mat Company. (See Bennett, John L., assignor.)
- Ubl, John, New York, N. Y. Clothes-drier. No. 1,106,993; Aug. 11; Gaz. vol. 205; p. 534.
- Ubelaker, Joseph. (See Zaar and Ubelaker.)
- Überlé, Erich, Grunewald, Germany, assignor to General Electric Company. Turbine-nozzle. No. 1,112,341; Sept. 29; Gaz. vol. 206; p. 1382.
- Udell, Frank L., and G. E. Predock, St. Louis, Mo. Clothes-pounder. No. 1,093,016; Apr. 14; Gaz. vol. 201; p. 340.
- Udstad, Sigvald, St. Charles, assignor to American Car and Foundry Company, St. Louis, Mo. Brake-handle. No. 1,097,952; May 26; Gaz. vol. 202; p. 1081.
- Udstad, Sivert, Aurora, Ill. Pressure-regulator. No. 1,107,383; Aug. 18; Gaz. vol. 205; p. 720.
- Uebler, William J., West Schuyler, N. Y. Milking-machine. No. 1,111,978; Sept. 29; Gaz. vol. 206; p. 1256.

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- Uecke, Charles F., New London, Wis. Baling-machine. No. 1,088,487; Feb. 24; Gaz. vol. 199; p. 1149.
- Uehling, Fritz F. (See Skinner, James A., assignor.)
- Uetz, Antonia. (See Yurow, Andrew, assignor.)
- Uffelman, George J., assignor of two-fifths to P. Bish and nine one-hundredths to E. Bowman, Pittsburgh, Pa. Curtain-pole and shade-roller fixture. No. 1,116,173; Nov. 3; Gaz. vol. 208; p. 242.
- Uffner, Hyman, New York, N. Y. Album. No. 1,088,748; Mar. 3; Gaz. vol. 200; p. 27.
- Uffner, Hyman, New York, N. Y. Container. No. 1,108,281; Aug. 25; Gaz. vol. 205; p. 1083.
- Ufford, Charles A., Boston, Mass. Sectional dress-form. No. 1,119,476; Dec. 1; Gaz. vol. 209; p. 198.
- Uherkovich de Uherkocz, Julius, Barnesboro, Pa. Wheel-frame for baby-carriages. No. 1,119,002; Dec. 1; Gaz. vol. 209; p. 34.
- Uhl, Georg, New York, N. Y. Firearm-support. No. 1,112,732; Oct. 6; Gaz. vol. 207; p. 114.
- Uhlarick, Caten J., Big Sandy, Mont. Pump. No. 1,095,608; May 5; Gaz. vol. 202; p. 149.
- Uhleln, John C., Watertown, N. Y. Non-refillable bottle. No. 1,087,472; Feb. 17; Gaz. vol. 199; p. 756.
- Uhlenhuth, Rudolf, assignor to Farbwerke vorm. Meister Lucius & Brining, Höchst-on-the-Main, Germany. Producing amino-anthraquinones. No. 1,104,943; July 28; Gaz. vol. 204; p. 1081.
- Uhlenkott, Herman W., Ferdinand, Idaho. Saw-set. No. 1,094,497; Apr. 28; Gaz. vol. 201; p. 940.
- Uhlemann, William R., Chicago, Ill. Lens-mount. No. 1,109,189; Sept. 1; Gaz. vol. 206; p. 118.
- Uhlemann, William R., Chicago, Ill. Eyeglasses. No. 1,120,767; Dec. 15; Gaz. vol. 209; p. 733.
- Uhler, Levi, Allentown, Pa. Pretzel-rolling machine. No. 1,116,766; Nov. 10; Gaz. vol. 208; p. 492.
- Ublig, Kurt, Berlin, Germany. Automatic file or binder. No. 1,086,423; Feb. 10; Gaz. vol. 199; p. 339.
- Ublig, Richard W., Rutherford, N. J., assignor to The Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,098,925; June 2; Gaz. vol. 203; p. 194.
- Ublig, Richard W., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,114,315; Oct. 20; Gaz. vol. 207; p. 749.
- Ublig, Richard W., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,114,316; Oct. 20; Gaz. vol. 207; p. 749.
- Ublig, Richard W., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,117,279; Nov. 17; Gaz. vol. 208; p. 711.
- Uhlinger, Roy H. (See Brownlee and Uhlinger.)
- Uhlyarik, Anthony, New York, N. Y. Radiator for motor-vehicles and the like. No. 1,121,541; Dec. 15; Gaz. vol. 209; p. 1002.
- Uhrbrock, Richard H., Towson, Md. Wire-clamp. No. 1,103,711; July 14; Gaz. vol. 204; p. 567.
- Ullensaker, Helmer, Hatton, N. D. Sprocket-wheel. No. 1,104,086; July 21; Gaz. vol. 204; p. 735.
- Ullman, James A., New York, N. Y. Still. No. 1,113,515; Oct. 13; Gaz. vol. 207; p. 429.
- Ullman, Samuel R., Wilkes-Barre, Pa. Carton. No. 1,112,042; Sept. 29; Gaz. vol. 206; p. 1278.
- Ullmann, Emil, assignor to Orenstein & Koppel-Arthur Koppel Aktiengesellschaft, Berlin, Germany. Buffer-coupling for railway-vehicles. No. 1,091,547; Mar. 31; Gaz. vol. 200; p. 1148.
- Ullmann, Isaac A., Brooklyn, N. Y. Device for attaching collars to shirts. No. 1,115,258; Oct. 27; Gaz. vol. 207; p. 1134.
- Ullner, Edward H., West New York, N. J. Window. No. 1,116,767; Nov. 10; Gaz. vol. 208; p. 492.
- Ullom, George W., et al. (See Mendenhall, Charles A., assignor.)
- Ulrich, Charles A., Hoboken, N. J. Buffer. No. 1,094,498; Apr. 28; Gaz. vol. 201; p. 940.
- Ulrich, Georg, Magdeburg, assignor to Fried. Krupp Aktiengesellschaft, Grusonwerk, Magdeburg-Buckau, Germany. Magnetic separator. No. 1,089,993; Mar. 10; Gaz. vol. 200; p. 500.
- Ulrich, Georg, assignor to Fried. Krupp Aktiengesellschaft, Grusonwerk, Magdeburg-Buckau, Germany. Magnetic separator. No. 1,114,071; Oct. 20; Gaz. vol. 207; p. 661.
- Ulrich, Henry A., and J. Turpin, Ironton, Ohio. Street-sweeper. No. 1,101,045; June 23; Gaz. vol. 203; p. 1055.
- Ulman, Jacob A., Baltimore, Md., assignor, by mesne assignments, to The Anglo-American Patent Bottle Company Limited, London, England. Non-refillable bottle. No. 1,111,046; Sept. 22; Gaz. vol. 206; p. 898.
- Ulmer, Charles A., Lisbon, N. D. Machine for shocking grain. No. 1,084,507; Jan. 13; Gaz. vol. 198; p. 440.
- Ulrey, Charles A., Villa Nueva, Argentina. Combustion-injected flash-generator. No. 1,093,896; Apr. 21; Gaz. vol. 201; p. 678.
- Ulrich, Alva A., Epping, N. D. Protector. No. 1,110,017; Sept. 8; Gaz. vol. 206; p. 452.
- Ulrich, Charles B., Hancock, Mich. Drawing-board structure. No. 1,113,263; Oct. 13; Gaz. vol. 207; p. 339.
- Ulrich, Charles B., Houghton, Mich. File. No. 1,121,151; Dec. 15; Gaz. vol. 209; p. 870.
- Ulrich, Emil F., and E. D. Rash, Anaconda, Mont. Bath-tub foot. No. 1,118,974; Dec. 1; Gaz. vol. 209; p. 24.
- Ulrich, Francis O., Tamaqua, Pa. Automobile-lock. No. 1,097,486; May 19; Gaz. vol. 202; p. 872.
- Ulrich, George A., Mexico, Mexico. Hat-fastener. No. 1,095,752; May 5; Gaz. vol. 202; p. 198.
- Ulrich, George A., Mexico, Mexico. Oil-burner. No. 1,095,753; May 5; Gaz. vol. 202; p. 198.
- Ulrich, Joseph, Beardsley, Minn. Back-pad. No. 1,088,382; Feb. 24; Gaz. vol. 199; p. 1115.
- Ulrich, Peter A., Deer Creek, Ill. Fruit-picker. No. 1,091,096; Mar. 24; Gaz. vol. 200; p. 953.
- Ulrich, Roy. (See Marsh and Ulrich.)
- Umhauer, Karl, Freiburg, Breisgau, Germany. Lock. No. 1,106,599; Aug. 11; Gaz. vol. 205; p. 399.
- Umpfrey, Louis C., and J. F. McCloud, assignors to The Fulsmore Mfg. Co., Morgantown, Ind. Drawer construction for tables or the like. No. 1,112,733; Oct. 6; Gaz. vol. 207; p. 115.
- Undeen, Gustav A., Proctor, Vt. Manufacture of polishing-stones. No. 1,099,831; June 9; Gaz. vol. 203; p. 543.
- Undeland, Andrew L., Omaha, Nebr. Barber's chair. No. 1,116,515; Nov. 10; Gaz. vol. 208; p. 401.
- Under-Feed Stoker Company of America. (See Kenney and Grohn, assignors.)
- Underfeed Stoker Company of America. (See Kenney, William J., assignor.)
- Underfeed Stoker Company of America. (See Kenney and Grohn, assignors.)
- Underhill, Charles R., Chancy, Miss. Rotary steam-engine. No. 1,094,276; Apr. 21; Gaz. vol. 201; p. 805.
- Underhill, Charles R., New Haven, Conn. Gear-shifting mechanism. No. 1,115,876; Nov. 3; Gaz. vol. 208; p. 139.
- Underhill, Charles R., New Haven, Conn. Gear-shifting mechanism. No. 1,115,877; Nov. 3; Gaz. vol. 208; p. 139.
- Underhill, Charles R., New Haven, Conn. Gear-shifting mechanism. No. 1,115,878; Nov. 3; Gaz. vol. 208; p. 139.
- Underhill, Charles R., Muskegon, assignor, by mesne assignments, to Detroit Coil Company, Detroit, Mich. Spark-coil. No. 1,095,437; May 5; Gaz. vol. 202; p. 90.
- Underhill, Charles R., Providence, R. I., assignor to Underhill Telegraph Translator Company, Jersey City, N. J. Telegraph system. No. 1,108,529; Aug. 25; Gaz. vol. 205; p. 1169.
- Underhill, Charles R., and D. J. Kelsey, assignors to The Acme Wire Co., New Haven, Conn. Machine for producing electrical coils. No. 1,110,166; Sept. 8; Gaz. vol. 206; p. 507.
- Underhill Telegraph Translator Company. (See Underhill, Charles R., assignor.)
- Underpinning & Foundation Company, The. (See Pruyr, Francis L., assignor.)
- Underration, John, Hocking, Iowa. Miner's auger. No. 1,104,231; July 21; Gaz. vol. 204; p. 784.
- Underwood Computing Machine Company. (See Jansson, Charles A., assignor.)
- Underwood Computing Machine Company. (See Wright, Walter, assignor.)
- Underwood Engineering Company. (See Underwood, John T., assignor.)
- Underwood, Frank B., assignor of one-half to F. E. Heylmann, Noblesville, Ind. Step-ladder. No. 1,109,559; Sept. 1; Gaz. vol. 206; p. 245.
- Underwood, Frank G., assignor of one-fourth to J. T. Jensen, Deadwood, S. D. Vaporizer and carbureter. No. 1,088,749; Mar. 3; Gaz. vol. 200; p. 27.
- Underwood, Fredrick M., Hastings, Nebr. Mechanical stoker. No. 1,091,406; Mar. 24; Gaz. vol. 200; p. 1055.
- Underwood, Herman M., et al. (See Beugler, Frank R., assignor.)
- Underwood, John T. (See Barnard, Walter E., assignor.)
- Underwood, John T. (See Becker, Richard M., assignor.)
- Underwood, John T. (See Dench, William L., assignor.)
- Underwood, John T. (See Gumprecht, William L., assignor.)
- Underwood, John T. (See Hart, Frederick A., assignor.)
- Underwood, John T. (See Knoll, George W., assignor.)
- Underwood, John T. (See Main, Fred F., assignor.)
- Underwood, John T. (See Stickney, Burnham C., assignor.)
- Underwood, John T., Logan, Ohio. Valve mechanism. No. 1,086,424; Feb. 10; Gaz. vol. 199; p. 339.
- Underwood, John T., assignor to Underwood Engineering Company, Detroit, Mich. Burner for kilns. No. 1,105,723; Aug. 4; Gaz. vol. 205; p. 49.
- Underwood, John T., assignor to Underwood Engineering Company, Detroit, Mich. Brick-kiln. No. 1,105,724; Aug. 4; Gaz. vol. 205; p. 49.
- Underwood, Oliver P., Des Moines, Iowa. Vaporizer. No. 1,091,782; Mar. 31; Gaz. vol. 200; p. 1230.

Alphabetical list of patentees—Continued.

- Underwood, Oliver P., Indianola, Iowa. Mechanical movement. No. 1,116,768; Nov. 10; Gaz. vol. 208; p. 492.
- Underwood Typewriter Company. (See Bates, Harry, assignor.)
- Underwood Typewriter Company. (See Broughton, Lyman D., assignor.)
- Underwood Typewriter Company. (See Brown, Clarence H., assignor.)
- Underwood Typewriter Company. (See Busz, Stanislas D., assignor.)
- Underwood Typewriter Company. (See Coladant, Ernest A. N., assignor.)
- Underwood Typewriter Company. (See Coe, Thomas J., assignor.)
- Underwood Typewriter Company. (See Cooper, John J., assignor.)
- Underwood Typewriter Company. (See Corcoran, Cornelius B., assignor.)
- Underwood Typewriter Company. (See Davis, Charles L., assignor.)
- Underwood Typewriter Company. (See Dennis, Adolphus S., assignor.)
- Underwood Typewriter Company. (See Fengler, Hermann V., assignor.)
- Underwood Typewriter Company. (See Fortin, Benjamin P., assignor.)
- Underwood Typewriter Co. (See Fricks and Ashe, assignors.)
- Underwood Typewriter Company. (See Fuerth, William G., assignor.)
- Underwood Typewriter Company. (See Gibbs, Charles, assignor.)
- Underwood Typewriter Company. (See Gibbs and Sokolov, assignors.)
- Underwood Typewriter Company. (See Griffin, George E., assignor.)
- Underwood Typewriter Company. (See Henning, William A., assignor.)
- Underwood Typewriter Company. (See Knauer, Casper, assignor.)
- Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
- Underwood Typewriter Company. (See Lockwood, Marquis H., assignor.)
- Underwood Typewriter Company. (See Lundeborg, Carl F., assignor.)
- Underwood Typewriter Company. (See Lux, Julius K., assignor.)
- Underwood Typewriter Company. (See McLaughlin, John C., assignor.)
- Underwood Typewriter Company. (See McLaughlin, William P., assignor.)
- Underwood Typewriter Company. (See Mohler, Valentin J., assignor.)
- Underwood Typewriter Company. (See Nibourel, Alexandre V., assignor.)
- Underwood Typewriter Company. (See Pfunder, Emil L., assignor.)
- Underwood Typewriter Company. (See Rennie, John A., assignor.)
- Underwood Typewriter Company. (See Roberts, Frank C., assignor.)
- Underwood Typewriter Company. (See Roberts, Lyman R., assignor.)
- Underwood Typewriter Company. (See Roberts and Davis, assignors.)
- Underwood Typewriter Company. (See Robinson, Frank A., assignor.)
- Underwood Typewriter Company. (See Schiff, Sigmund, assignor.)
- Underwood Typewriter Company. (See Smith, Charles E., assignor.)
- Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
- Underwood Typewriter Company. (See Smith, Stephen T., assignor.)
- Underwood Typewriter Company. (See Smith, Stephen T., Jr., assignor.)
- Underwood Typewriter Company. (See Sokolov, Jacob, assignor.)
- Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)
- Underwood Typewriter Company. (See Strong, Elisha E., assignor.)
- Underwood Typewriter Company, The. (See Uhlig, Richard W., assignor.)
- Underwood Typewriter Company. (See Vogel, Charles H., assignor.)
- Underwood Typewriter Company. (See Wernery, Lester A., assignor.)
- Underwood, Walter H., New York, N. Y. Making metallic and plastic fabric. No. 1,096,077; May 12; Gaz. vol. 202; p. 343.
- Underwood, Walter H., New York, N. Y. Loom. No. 1,109,090; Sept. 1; Gaz. vol. 206; p. 83.
- Underwood, William J., Shafter Lake, Tex. Weed-cutter for plows. No. 1,102,703; July 7; Gaz. vol. 204; p. 168.
- Udi, Arnold, Carpio, N. D. Swingletree-hook. No. 1,098,997; June 2; Gaz. vol. 203; p. 216.
- Ungar, Gustav A., New York, N. Y. Pumping plant. No. 1,083,568; Jan. 6; Gaz. vol. 198; p. 102.
- Ungar, Joseph. (See Higgins and Ungar.)
- Ungaro, Daniel. (See Hirst and Ungaro.)
- Unger, Ernest. (See Grosert and Unger.)
- Unger, Oskar, and E. Molineus, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing quinzarin. No. 1,087,412; Feb. 17; Gaz. vol. 199; p. 733.
- Unger, Salomon, New York, N. Y. Parquet-flooring. No. 1,115,039; Oct. 27; Gaz. vol. 207; p. 1057.
- Unger, Salomon, New York, N. Y. Fire-escape. No. 1,118,316; Nov. 24; Gaz. vol. 208; p. 1112.
- Unger, Solomon, Philadelphia, Pa. Safety-catch. No. 1,085,884; Feb. 3; Gaz. vol. 199; p. 108.
- Uniform Dyeing Machine Company. (See Schmitz, Joseph, assignor.)
- Union Arms Company, The. (See Wilson, Charles D., assignor.)
- Union Bag & Paper Company, The. (See Witham, George S., Sr., and I. J., assignors.)
- Union Button Sewing Company. (See Lyons, Harry B., assignor.)
- Union Caliper Company. (See Ellis, Emory E., assignor.)
- Union Draft Gear Company. (See Canfield, Lewis T., assignor.)
- Union Draft Gear Company. (See Cardwell, James R., assignor.)
- Union Fibre Company. (See Hohaus, Theodore, assignor.)
- Union Fibre Company. (See Lappen, James E., assignor.)
- Union Gas Engine Company. (See Page and Belden, assignors.)
- Union Iron Works. (See Schalscha, Max, assignor.)
- Union Lock Stitch Company. (See Merrick, Frank W., assignor.)
- Union Metal Manufacturing Company, The. (See Barrick, Christopher C., assignor.)
- Union Metallic Cartridge Company. (See Gully, Albert B., assignor.)
- Union Metallic Cartridge Company. (See Hoagland, Frank O., assignor.)
- Union Metallic Cartridge Company. (See Lindsay, Charles F., assignor.)
- Union Mills. (See Reaney, Joseph H., assignor.)
- Union Paper Bag Machine Company, The. (See Stilwell, Charles B., assignor.)
- Union Paper Company. (See Anderson, Ernest D., assignor.)
- Union Peat Company, The. (See Sigler and Jarvis, assignors.)
- Union Special Machine Company. (See Barnes, Walter E., assignor.)
- Union Special Machine Company. (See Bigelow, John, assignor.)
- Union Special Machine Company. (See Burke, Edward, assignor.)
- Union Special Machine Company, The. (See Cone, Charles L., assignor.)
- Union Special Machine Company. (See Dahl, Harry J., assignor.)
- Union Special Machine Company. (See De Nike, Joseph H., assignor.)
- Union Special Machine Company, The. (See Elwell, Oliver E., assignor.)
- Union Special Machine Company. (See Hilton, Alexander F., assignor.)
- Union Special Machine Company. (See McNeil, Chester, assignor.)
- Union Special Machine Company. (See Moffatt, James R., assignor.)
- Union Special Machine Company. (See North, Francis S., assignor.)
- Union Special Machine Company. (See Onderdonk, Lansing, assignor.)
- Union Special Machine Company. (See Onderdonk and Woodward, assignors.)
- Union Special Machine Company. (See Rathbun, Charles L., assignor.)
- Union Special Machine Company, The. (See Scott, George, assignor.)
- Union Special Machine Company. (See Seymour, Dudley S., assignor.)
- Union Special Machine Company. (See Van Horn, Vindicator J., assignor.)
- Union Special Machine Company. (See Woodward, Russell G., assignor.)
- Union Special-Maschinenfabrik G. m. b. H. (See Maier, Karl, assignor.)
- Union Special Sewing Machine Company, The. (See Lindeberg, John, assignor.)
- Union Special Sewing Machine Company. (See Woodward, Russell G., assignor.)
- Union Steel Screen Company, The. (See Dean, George E., assignor.)
- Union Switch and Signal Company, The. (See Bliss, Elmer F., assignor.)
- Union Switch & Signal Company, The. (See Coleman, John P., assignor.)
- Union Switch & Signal Company, The. (See Dunham, Charles W., assignor.)

Alphabetical list of patentees—Continued.

- Union Switch & Signal Company, The. (See Follett, Waldo F., assignor.)
 Union Switch & Signal Company, The. (See Harrington, Clinton O., assignor.)
 Union Switch and Signal Company, The. (See Hawkins, Laurence A., assignor.)
 Union Switch and Signal Company, The. (See Hawkins and Bliss, assignors.)
 Union Switch and Signal Company, The. (See Howard, Lemuel F., assignor.)
 Union Switch and Signal Company, The. (See Lennox, John S., assignor.)
 Union Switch & Signal Company, The. (See McCarthy, Daniel J., assignor.) (Reissue.)
 Union Switch and Signal Company, The. (See Moak, William V., assignor.)
 Union Switch and Signal Company, The. (See Oler, Benjamin F., assignor.)
 Union Switch and Signal Company, The. (See Scattergood and Wallace, assignors.)
 Union Switch and Signal Company, The. (See Struble, Jacob B., assignor.)
 Union Switch and Signal Company, The. (See Taylor, John D., assignor.)
 Union Switch & Signal Company, The. (See Thullen, Joseph C. and L. H., assignors.)
 Union Switch & Signal Company, The. (See Thullen, Louis H., assignor.)
 Union Switch & Signal Company, The. (See Tuttle, Ralph P., assignor.)
 Union Switch & Signal Company, The. (See Utne, Per, assignor.)
 Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
 Union Tool Company. (See Grafton, George B., assignor.)
 Union Wrapping Machine Company. (See Streich and Franke, assignors.)
 Unionite Company. (See Richardson, Benjamin F., assignor.)
 Unit Construction Company. (See Conzelman, John E., assignor.)
 Unit Weighing and Packing System, The. (See Heybach, Frederick J., assignor.)
 United Aluminum Ingot Company. (See Mellen, Greenville, assignor.)
 United Button Company. (See Morrissey, Thomas F., assignor.)
 United Centadrink Manufacturing Company. (See Malmstrom, Peter E., assignor.)
 United Cigarette Machine Co. (See Ewers, Alexander L., assignor.)
 United Cotton Gin Company. (See Bullock, Edwin R., assignor.)
 United Demonstrating Machine Company, The. (See Jaros and Wilson, assignors.)
 United Electric Company, The. (See Goughnour, Charles L., assignor.)
 United Fast Color Eyelet Company. (See Kempshall, Eleazer, assignor.)
 United Fast Color Eyelet Company. (See Neuberth, Franklin G., assignor.)
 United Gas Improvement Company, The. (See Brady, Edward J., assignor.)
 United Gas Improvement Company, The. (See Evans, Owen B., assignor.)
 United Gas Improvement Company, The. (See Fulweiler, Walter H., assignor.)
 United Gas Improvement Company, The. (See Glasgow, Arthur G., assignor.)
 United Gas Improvement Company, The. (See Ives, Herbert E., assignor.)
 United Gas Improvement Company, The. (See O'Donnell and Kunberger, assignors.)
 United Gas Improvement Company, The. (See Rusby, John M., assignor.)
 United Gas Improvement Company, The. (See Rusby and Taussig, assignors.)
 United Gas Improvement Company, The. (See Taussig, John H., assignor.)
 United Ice Improvement Company. (See Parsons, Washington E., assignor.)
 United Indurated Fibre Co. (See Peterson, Jesse, assignor.)
 United Injector Company. (See Dobson, William, assignor.)
 United Injector Company, The. (See Durkee, Henry B., assignor.)
 United Injector Company, The. (See Williston, Belvin T., assignor.)
 United Motor Equipment Co. (See Tate, Charles G., assignor.)
 United Motors Company. (See Kremer, Franklin W., assignor.)
 United Printing Machinery Company. (See Garner, Vernon, assignor.)
 United Press and Manufacturing Company. (See Morlock, Albert J., assignor.)
 United Shirt and Collar Company. (See Pine, James K. P., assignor.)
 United Shoe Machinery Company. (See Alexander, Alexander M., assignor.)
 United Shoe Machinery Company. (See Alley, Frederick L., assignor.)
 United Shoe Machinery Company. (See Ashton, Orrell, assignor.)
 United Shoe Machinery Company. (See Ball, Augustus A., Jr., assignor.)
 United Shoe Machinery Company. (See Barclay, William R., assignor.)
 United Shoe Machinery Company. (See Barclay and Gouldbourn, assignors.)
 United Shoe Machinery Company. (See Barton, Joseph M., assignor.)
 United Shoe Machinery Company. (See Bates, Arthur, assignor.)
 United Shoe Machinery Company. (See Bates, Jerram, and Gouldbourn, assignors.)
 United Shoe Machinery Company. (See Bates and Briggs, assignors.)
 United Shoe Machinery Company. (See Bates and Cooper, assignors.)
 United Shoe Machinery Company. (See Bates and Silvester, assignors.)
 United Shoe Machinery Company. (See Bayard, Emery, assignor.)
 United Shoe Machinery Company. (See Bayley, Charles H., assignor.)
 United Shoe Machinery Company. (See Bazzoni, Lewis J., assignor.)
 United Shoe Machinery Company. (See Beaumont, Ernest C., assignor.)
 United Shoe Machinery Company. (See Beckman, Frank E., assignor.)
 United Shoe Machinery Company. (See Bennion, Charles, assignor.)
 United Shoe Machinery Company. (See Bertrand, Fred-eric E., assignor.)
 United Shoe Machinery Company. (See Bingham and Pratt, assignors.)
 United Shoe Machinery Company. (See Bonney, Charles A., assignor.)
 United Shoe Machinery Company. (See Boyden, William A., assignor.)
 United Shoe Machinery Company. (See Braden, Albert R., assignor.)
 United Shoe Machinery Company. (See Brock, Matthias, assignor.)
 United Shoe Machinery Company. (See Brogan, James A., assignor.)
 United Shoe Machinery Company. (See Brogan, Michael F., assignor.)
 United Shoe Machinery Company. (See Brothers, Eli, assignor.)
 United Shoe Machinery Company. (See Brown, Louis M., assignor.)
 United Shoe Machinery Company. (See Burns, Robert J., assignor.)
 United Shoe Machinery Company. (See Caselton, Arthur, assignor.)
 United Shoe Machinery Company. (See Casgrain, Louis A., assignor.)
 United Shoe Machinery Company. (See Cavanagh, James, assignor.)
 United Shoe Machinery Company. (See Cavanagh, James, Jr., assignor.)
 United Shoe Machinery Company. (See Chateaufneuf, Frank, assignor.)
 United Shoe Machinery Company. (See Coey, Edward, assignor.)
 United Shoe Machinery Company. (See Colby, Daniel W., assignor.)
 United Shoe Machinery Company. (See Collins, James E., assignor.)
 United Shoe Machinery Company. (See Cook, Miller, Jr., assignor.)
 United Shoe Machinery Company. (See Coombs, Abram L., assignor.)
 United Shoe Machinery Company. (See Cooper and Sayer, assignors.)
 United Shoe Machinery Company. (See Crisp, Joseph E., assignor.)
 United Shoe Machinery Company. (See Cuff, William H., assignor.)
 United Shoe Machinery Company. (See Davenport, Eugene F., assignor.)
 United Shoe Machinery Company. (See De Minico, Charles, assignor.)
 United Shoe Machinery Company. (See Dow, John L., assignor.)
 United Shoe Machinery Company. (See Dunphy, James A., assignor.)
 United Shoe Machinery Company. (See Eastham, Henry W., assignor.)
 United Shoe Machinery Company. (See Eaton, Harrison H., assignor.)
 United Shoe Machinery Company. (See Eaton and Pease, assignors.)
 United Shoe Machinery Company. (See Eldridge, John A., assignor.)
 United Shoe Machinery Company. (See Engel, Karl, assignor.)

Alphabetical list of patentees—Continued.

- United Shoe Machinery Company. (See English, Analdo M., assignor.)
 United Shoe Machinery Company. (See Enslin, Herbert E., assignor.)
 United Shoe Machinery Company. (See Eppler, Andrew, assignor.)
 United Shoe Machinery Company. (See Farrar, Frederick W., assignor.)
 United Shoe Machinery Company. (See Fausse, Joseph, assignor.)
 United Shoe Machinery Company. (See Fernald, Frank E., assignor.)
 United Shoe Machinery Company. (See Fitzgerald, Walter S., assignor.)
 United Shoe Machinery Company. (See Flynt, Louis W. G., assignor.)
 United Shoe Machinery Company. (See Fowler, Alfred B., assignor.)
 United Shoe Machinery Company. (See Frasier, Warren, assignor.)
 United Shoe Machinery Company. (See Freeman, Louis G., assignor.) (Reissue.)
 United Shoe Machinery Company. (See Furber, Frederick M., assignor.)
 United Shoe Machinery Company. (See Gee, Henry C., assignor.)
 United Shoe Machinery Company. (See Gillespie, John J., assignor.)
 United Shoe Machinery Company. (See Glidden, John E., assignor.)
 United Shoe Machinery Company. (See Goddu, George, assignor.)
 United Shoe Machinery Company. (See Gordon, Hiram W., assignor.)
 United Shoe Machinery Company. (See Gordon, William, assignor.)
 United Shoe Machinery Company. (See Gouldbourn, Joseph, assignor.)
 United Shoe Machinery Company. (See Grant, Sidney G., assignor.)
 United Shoe Machinery Company. (See Hadaway, John B., assignor.)
 United Shoe Machinery Company. (See Hall, Daniel E., assignor.)
 United Shoe Machinery Company. (See Hall, Harry, assignor.)
 United Shoe Machinery Company. (See Hamm, William S., assignor.)
 United Shoe Machinery Company. (See Hamilton, Benjamin J., assignor.)
 United Shoe Machinery Company. (See Hammond, William P., assignor.)
 United Shoe Machinery Company. (See Hess, Meyer S., assignor.)
 United Shoe Machinery Company. (See Hill, George S., assignor.)
 United Shoe Machinery Company. (See Hooper, William H., assignor.)
 United Shoe Machinery Company. (See Hurd, Edward L., assignor.)
 United Shoe Machinery Company. (See Iffert, Jean A. G., assignor.)
 United Shoe Machinery Company. (See Jackson, Walter, assignor.)
 United Shoe Machinery Company. (See Jacobs, Ernest C., assignor.)
 United Shoe Machinery Company. (See Jacobs, Ernest C., assignor.) (Reissue.)
 United Shoe Machinery Company. (See Jerram, Arthur E., assignor.)
 United Shoe Machinery Company. (See Jerram and Gouldbourn, assignors.)
 United Shoe Machinery Company. (See Jerram, Bates, and Gouldbourn, assignors.)
 United Shoe Machinery Company. (See Johnson, Albert E., assignor.)
 United Shoe Machinery Company. (See Johnson, John H., assignor.)
 United Shoe Machinery Company. (See Julian, Gideon, assignor.)
 United Shoe Machinery Company. (See Kaven, Moses B., assignor.)
 United Shoe Machinery Company. (See Keyes, Eugene L., assignor.)
 United Shoe Machinery Company. (See Krippendorf, Paul F. W. C., assignor.)
 United Shoe Machinery Company. (See Latham, Albert, assignor.)
 United Shoe Machinery Company. (See Loomer, Henry M., assignor.)
 United Shoe Machinery Company. (See Lund, Thomas, assignor.)
 United Shoe Machinery Company. (See Lynch, John M., assignor.)
 United Shoe Machinery Company. (See Lyon, Harry, assignor.)
 United Shoe Machinery Company, The. (See MacKenzie, Fred L., assignor.)
 United Shoe Machinery Company. (See Mayo, Benjamin F., assignor.)
 United Shoe Machinery Company. (See McAuliffe, Thomas H., assignor.)
 United Shoe Machinery Company. (See McFeely, Ronald F., assignor.)
 United Shoe Machinery Company. (See McLeod, George T., assignor.)
 United Shoe Machinery Company. (See Meyer, William C., assignor.)
 United Shoe Machinery Company. (See Nash, Frederick J., assignor.)
 United Shoe Machinery Company. (See O'Brien, Thomas H., assignor.)
 United Shoe Machinery Company. (See Pease, Charles, assignor.)
 United Shoe Machinery Company. (See Perri, Angelo, assignor.)
 United Shoe Machinery Company. (See Perry, Frederick H., assignor.)
 United Shoe Machinery Company. (See Phelan, Merton D., assignor.)
 United Shoe Machinery Company. (See Plant, Thomas G., assignor.)
 United Shoe Machinery Company. (See Plant, Thomas G., assignor.) (Reissue.)
 United Shoe Machinery Company. (See Pope, Joseph H., assignor.)
 United Shoe Machinery Company. (See Povah, Albert J., assignor.)
 United Shoe Machinery Company. (See Preble, Edwin N., assignor.)
 United Shoe Machinery Company. (See Prenzel, Adam H., assignor.)
 United Shoe Machinery Company. (See Prime, Daniel N., assignor.)
 United Shoe Machinery Company. (See Ray, Eugene J., assignor.)
 United Shoe Machinery Company. (See Reid, John F., assignor.)
 United Shoe Machinery Company. (See Reimann, Franz M., assignor.)
 United Shoe Machinery Company. (See Richardson, John H., assignor.)
 United Shoe Machinery Company. (See Rigby, John H., assignor.)
 United Shoe Machinery Company. (See Roche, Thomas and P. W. D., assignors.)
 United Shoe Machinery Company. (See Rumney, Fred A., assignor.)
 United Shoe Machinery Company. (See Russell, Arthur L., assignor.)
 United Shoe Machinery Company. (See Scott, Jacob R., assignor.)
 United Shoe Machinery Company. (See Seely, Thomas H., assignor.)
 United Shoe Machinery Company. (See Shaw, Linus H., assignor.)
 United Shoe Machinery Company. (See Simmons, Ralph C., assignor.)
 United Shoe Machinery Company. (See Smith, John C., assignor.)
 United Shoe Machinery Company. (See Smith, Robert B., assignor.)
 United Shoe Machinery Company. (See Smith, Thomas G., assignor.)
 United Shoe Machinery Company. (See Soulis, Harold A., assignor.)
 United Shoe Machinery Company. (See Stalker, Fred C., assignor.)
 United Shoe Machinery Company. (See Stanbon, Charles P., assignor.)
 United Shoe Machinery Company. (See Steward, William C., assignor.)
 United Shoe Machinery Company. (See Stiggins, Edward A., assignor.)
 United Shoe Machinery Company. (See Topham, Laurence E., assignor.)
 United Shoe Machinery Company. (See Tripp, Elphalet A., assignor.)
 United Shoe Machinery Company. (See Weber, Lewis F., assignor.)
 United Shoe Machinery Company. (See Wentworth, Samuel J., assignor.)
 United Shoe Machinery Company. (See West, Alonzo E., assignor.)
 United Shoe Machinery Company. (See Whitcher and Randall, assignors.)
 United Shoe Machinery Company. (See Winkley, Erastus E., assignor.)
 United Shoe Machinery Company. (See Winter, Henry W., assignor.)
 United Shoe Machinery Company. (See York, Reuben G., assignor.)
 United States Concentrating Co. (See King, Orrin H., assignor.)
 United States Electric Signal Co. (See Ruddick, John J., assignor.)
 United States Electrical Tool Company, The. (See Smith, John A., assignor.)
 United States Envelope Company. (See Froehlich, Joseph, assignor.)

Alphabetical list of patentees—Continued.

- United States Envelope Company. (See Swift, Willard E., assignor.)
- United States Fastener Company. (See Humphrey, Ernest N., assignor.)
- United States Fastener Company. (See MacCormack, George A., assignor.)
- United States Gypsum Company, The. (See Birdsey and Henning, assignors.)
- United States Hopper Company. (See Ruggles, Frederick W., assignor.)
- United States Inclinator Company. (See Schellhammer, Alfred L., assignor.)
- United States Light and Heating Company, The. (See Bliss, William L., assignor.)
- United States Light & Heating Company, The. (See Carpenter, Campbell C., assignor.)
- United States Manufacturing Company. (See Brown, Carl E., assignor.)
- United States Metallic Packing Company, The. (See King, Charles W. G., assignor.)
- United States Metal Products Co. (See Daly, Daniel A., assignor.)
- United States Metals Refining Co. (See Thum, William, assignor.)
- United States Playing Card Co., The. (See McCracken, James D., assignor.)
- United States Printing & Lithograph Company, The. (See Stranders, Julien, assignor.)
- United States Safety Gas Machine Company. (See Andres, J. Frank, assignor.)
- United States Sealing Company. (See Beals, Frank H., assignor.) (Reissue.)
- United States Tire Company, The. (See Midgley, Thomas, assignor.)
- United States Tire Company, The, *et al.* (See Wagenhorst, James H., assignor.)
- United States Wave Power Company, The. (See Bryson, David K., assignor.)
- United States Wave Power Company, The. (See Close, Albert S., assignor.)
- United Vacuum Appliance Company. (See Preston, Ray W., assignor.)
- United Wire Tire Company, The. (See Beam, Frank E., assignor.)
- United-Xpedite Finishing Company. (See Beaudry, Zoltique, assignor.)
- United-Xpedite Finishing Company. (See Pease, Charles, assignor.)
- Universal Aerial Navigation Company. (See Oman, John W., assignor.)
- Universal Appliance Company. (See Landin, Carl J., assignor.)
- Universal Auto Supply Manufacturing Company. (See Reetz, William, assignor.)
- Universal Butter Machine Company. (See Volkmann, Charles, assignor.)
- Universal Caster & Foundry Company. (See Diss, Albert B., assignor.)
- Universal Caster & Foundry Company. (See Neuberth, George E., assignor.)
- Universal Combustion Company. (See Van Daam, Gerrit, assignor.)
- Universal Display Advertising Company. (See Gibson and Sartolow, assignors.) (Reissue.)
- Universal Draft Gear Attachment Co. (See Nash, Charles J., assignor.)
- Universal Draft Gear Attachment Co. (See Wrigley, Henry I., assignor.)
- Universal Electric Welding Company. (See Lachman, Laurence S., assignor.)
- Universal Indexing Company. (See Smith, Louis R., assignor.)
- Universal Interchangeable Tooth Company, The. (See Eyslin, Leo E., assignor.)
- Universal Interchangeable Tooth Company. (See Fritz, Gustav E., assignor.)
- Universal Liquid Register Company. (See Brown, Charles F., assignor.)
- Universal Metallic Tie Company. (See Rupp and Johnson, assignors.) (Reissue.)
- Universal Motor Company, The. (See Rhodes, Harry A., assignor.) (Reissue.)
- Universal Non-Refillable Bottle Company. (See Stattemann, Walter A., assignor.)
- Universal Oil Converter Company. (See Bassford, William K., assignor.)
- Universal Optical Corporation. (See Linden, Carl P., assignor.)
- Universal Oxygen Company. (See Müller, Hans, assignor.)
- Universal Railway Supply Company. (See Lane, W. Britton, assignor.)
- Universal Rim Company. (See Anglada, Joseph A., assignor.)
- Universal Rim Company. (See Baker, Erle K., assignor.)
- Universal Rim Company. (See Hawley and Baker, assignors.)
- Universal Road Machinery Co. (See Clearwater, James H., assignor.)
- Universal Screen and Blind Company. (See Lancaster, George W., assignor.)
- Universal Screw Cutting Company. (See Crellin, Edwin W., assignor.)
- Universal Sterilizer Company. (See Coburn and Davis, assignors.)
- Universal Switch Box Co., The. (See Raquette, Joseph G., assignor.)
- Universal Tobacco Machine Company. (See Jackson, Graham H., assignor.)
- Universal Turbine Company, The. (See Anderson, Emil, assignor.)
- Universal Valve Company. (See O'Brien, Sargent, Dowd, and O'Brien, assignors.)
- Universal Ventilating Company. (See Delany, Philip S., assignor.)
- Universal Winding Company. (See Bolton, John B., assignor.)
- Universal Winding Company. (See Harvey and Marcroft, assignors.)
- Universal Winding Company. (See Marcroft, William, assignor.)
- Universal Winding Company. (See Rand, Festus S., assignor.)
- Universal Winding Company. (See Ryden, Claes, assignor.)
- Universal Winding Company. (See Sands, Thomas J., assignor.)
- Universal Wireless Telephone and Telegraph Company. (See Herrguth, Frank P., assignor.)
- "Universelle" Cigaretten-Maschinen-Industrie System Otto Bergsträsser-Aktiengesellschaft. (See Grabl, Max C., assignor.)
- Universelle Cigaretten-Maschinen-Industrie System Otto Bergsträsser Aktiengesellschaft. (See Mühlbauer, Ernst C., assignor.)
- "Universelle" Cigaretten-Maschinen-Industrie System Otto Bergsträsser Aktiengesellschaft. (See Müller, Johann C., assignor.)
- Unke, Otto C. and W. H., Milwaukee, Wis. Muffler. No. 1,096,970; May 19; Gaz. vol. 202; p. 692.
- Unke, William H. (See Unke, Otto C. and W. H.)
- Unks, Thomas E., Sandusky, Ohio. Gearing. No. 1,110,840; Sept. 15; Gaz. vol. 206; p. 783.
- Unné, Pierre G. (See Canton, Unné, and Salmson.)
- Uno, Masa, Oakland, Cal. Polishing and cleaning device. No. 1,118,080; Nov. 24; Gaz. vol. 208; p. 1032.
- Unruh, Albert A., Portland, Oreg. Car-fender. No. 1,085,711; Feb. 3; Gaz. vol. 199; p. 46.
- Unruh, Albert A., Portland, Oreg. Life-boat. No. 1,119,770; Dec. 1; Gaz. vol. 209; p. 297.
- Unruh, Benjamin G., assignor of one-half to V. T. Miller, Ness City, Kans. Cattle-yoke. No. 1,123,040; Dec. 29; Gaz. vol. 209; p. 1599.
- Unruh, Daniel, Delaware City, Del. Nut-lock. No. 1,099,272; June 9; Gaz. vol. 203; p. 352.
- Unruh, Frank, New Orleans, La. Pencil attachment. No. 1,103,712; July 14; Gaz. vol. 204; p. 567.
- Unruh, Henry H., Great Bend, Kans. Post-hole auger. No. 1,097,067; May 19; Gaz. vol. 202; p. 727.
- Unterberg, Gustav, Durlach, Germany. Interrupter for electrical ignition apparatus for internal-combustion engines having a device for adjusting the time of sparking. No. 1,087,701; Feb. 17; Gaz. vol. 199; p. 836.
- Unterberg, Gustav, Durlach, Germany. Apparatus for starting internal-combustion engines. No. 1,089,294; Mar. 3; Gaz. vol. 200; p. 211.
- Up-To-Date Manufacturing Co. (See Paquette, Herman A., assignor.)
- Upchurch, John A. (See Oxford and Upchurch.)
- Updegraff, George, *et al.* (See Taylor, Nicholas, assignor.)
- Upham, Burt F., Chicago, Ill., assignor to Southgate Machinery Company, Boston, Mass. Tripping mechanism for printing-presses. No. 1,087,055; Feb. 10; Gaz. vol. 199; p. 556.
- Upham, Burt F., Chicago, Ill. Bed-motion for printing-presses. No. 1,094,405; Apr. 21; Gaz. vol. 201; p. 847.
- Upham, Sherman D., Chicago, Ill. Amusement device. No. 1,096,577; May 12; Gaz. vol. 202; p. 513.
- Uphaus, Oscar J., Mobile, Ala. Fountain-rule. No. 1,096,772; May 12; Gaz. vol. 202; p. 578.
- Uphoff, Leslie S. (See Hulse and Uphoff.)
- Upp, Charles B., assignor to D. W. Snyder, Reading, Pa. Drying-former for stockings. No. 1,106,260; Aug. 4; Gaz. vol. 205; p. 233.
- Upp, William C., New York, N. Y. View-changing device. No. 1,090,121; Mar. 10; Gaz. vol. 200; p. 545.
- Upshaw, Lucius L., Denison, Tex. Cotton-harvester. No. 1,092,762; Apr. 7; Gaz. vol. 201; p. 219.
- Upshaw, Lucius L., assignor of one-fifth to G. L. Blackford and one-fifth to P. H. Tobin, Denison, Tex. Picking mechanism for cotton-harvesters. No. 1,084,508; Jan. 13; Gaz. vol. 198; p. 441.
- Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Concrete piles and piling elements. No. 1,088,946; Mar. 3; Gaz. vol. 200; p. 94.
- Upson, Maxwell M., Englewood, N. J., and H. P. Hamlin, assignors to Raymond Concrete Pile Company, New York, N. Y. Reinforced bulkhead or retaining-wall. No. 1,111,979; Sept. 29; Gaz. vol. 206; p. 1257.

Alphabetical list of patentees—Continued.

- Upson, Ralph H., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Apparatus for heating inflating-gas in balloons. No. 1,092,611; Apr. 7; Gaz. vol. 201; p. 169.
- Upson, Ralph H., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Apparatus for heating inflating-gas in balloons. No. 1,096,578; May 12; Gaz. vol. 202; p. 513.
- Upson, Ralph H., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Apparatus for heating inflating-gas in balloons. No. 1,097,201; May 19; Gaz. vol. 202; p. 773.
- Upson, W. Richard. (See Chenoweth, Arthur N., assignor.)
- Uptegraff, Alexander G., Lenox, Mass. Non-slip tread. No. 1,093,663; Apr. 21; Gaz. vol. 201; p. 601.
- Uptegraff, Walter D., *et al.*, executors. (See Potter, Henry N.)
- Uptegraff, Walter D., *et al.*, executors. (See Westinghouse, George.)
- Upton, Emory, Benton Harbor, Mich., and L. C. Upton, La Grange, Ill., assignors to Upton Machine Co. Power-transmitting device. No. 1,106,903; Aug. 11; Gaz. vol. 205; p. 505.
- Upton, Hiram C. and J. E., Atwater, Ill. Safety-stirrup. No. 1,083,641; Jan. 6; Gaz. vol. 198; p. 127.
- Upton, John E. (See Upton, Hiram C. and J. E.)
- Upton, John H., Dunsmuir, Cal. Automobile-horn. No. 1,116,174; Nov. 3; Gaz. vol. 208; p. 242.
- Upton, Louis C. (See Upton, Emory and L. C.)
- Upton Machine Co. (See Upton, Emory and L. C., assignors.)
- Upton, Samuel, Arlington Heights, assignor to S. P. MacAskill, Cambridge, Mass. Valve for internal-combustion engines. No. 1,101,590; June 30; Gaz. vol. 203; p. 1293.
- Urban, Charles F. (See Diener and Urban.)
- Urban, William C., Granite City, Ill., assignor of one-half to Hoyt Metal Company, St. Louis, Mo. Casting apparatus. No. 1,110,659; Sept. 15; Gaz. vol. 206; p. 721.
- Urban, William C., Granite City, Ill., assignor of one-half to Hoyt Metal Company, St. Louis, Mo. Making castings. No. 1,112,496; Oct. 6; Gaz. vol. 207; p. 29.
- Urdang, Benjamin L., assignor of one-third to M. Urdang, New York, N. Y. Collapsible trunk. No. 1,088,488; Feb. 24; Gaz. vol. 199; p. 1149.
- Urdang, Michael. (See Urdang, Benjamin L., assignor.)
- Urgellés, José M., Baracoa, Cuba. Machine for removing pulp from cocoa and other pulpy berries. No. 1,110,167; Sept. 8; Gaz. vol. 206; p. 507.
- Urle, George M., Kansas City, Mo., assignor to R. B. Calcutt, Chicago, Ill. Oil duster and polisher. No. 1,089,732; Mar. 10; Gaz. vol. 200; p. 410.
- Urkewitz, Charles, Cambridge, Mass. Water-meter. No. 1,100,635; June 16; Gaz. vol. 203; p. 855.
- Urquhart, Charles H., Newark, N. J. Precipitating and recovering metals. No. 1,090,661; Mar. 17; Gaz. vol. 200; p. 774.
- Urquhart, Charles H., Newark, N. J., assignor of one-half to C. E. Knox, San Francisco, Cal. Ore-sampler. No. 1,088,638; Feb. 24; Gaz. vol. 199; p. 1198.
- Urquhart, Norman D., Glenwood Springs, Colo. Renewable cartridge-fuse. No. 1,087,853; Feb. 17; Gaz. vol. 199; p. 886.
- Urschel, John H., Westplains, Mo. Tool-coupling. No. 1,096,650; May 12; Gaz. vol. 202; p. 538.
- Ury, Julian J., *et al.* (See Mullins, Ollie, assignor.)
- Usher Automatic Stop Company. (See Usher, Charles H., assignor.)
- Usher, Charles H., assignor to Usher Automatic Stop Company, Chicopee Falls, Mass. Planer-stop mechanism. No. 1,088,852; Mar. 3; Gaz. vol. 200; p. 61.
- Usonia Machine Company. (See McGirr, Theodore G., assignor.)
- Utahna Development Company. (See Pfeiffer, Otto G., assignor.) (Reissue.)
- Utard, Henry, New York, and J. Smith, Brooklyn, N. Y. Dry battery and manufacturing the same. No. 1,102,458; July 7; Gaz. vol. 204; p. 83.
- Utica Wax Sharpener Company, The. (See Edgerton and Dinowsky, assignors.)
- Utility Manufacturing Company. (See Applegate, Lee R., assignor.)
- Utility Manufacturing Company. (See Easton, William S., assignor.)
- Utne, Per, Edgewood Park, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of brakes for railway-vehicles. No. 1,105,316; July 28; Gaz. vol. 204; p. 1211.
- Utne, Per, Edgewood Park, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of railway cars or trains. No. 1,105,317; July 28; Gaz. vol. 204; p. 1211.
- Utne, Per, Edgewood Park, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of railway cars or trains. No. 1,110,412; Sept. 15; Gaz. vol. 206; p. 633.
- Utt, Allen, San Antonio, Tex. Envelop. No. 1,120,568; Dec. 8; Gaz. vol. 209; p. 615.
- Utter, Richard I., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system with automatic ringing. No. 1,112,497; Oct. 6; Gaz. vol. 207; p. 29.
- Utterback, Claude F., Mooresville, Ind. Lock for mail-boxes. No. 1,114,824; Oct. 27; Gaz. vol. 207; p. 980.
- Utterback, Ezra M., Macksburg, Iowa. Wheel-scraper. No. 1,105,469; July 28; Gaz. vol. 204; p. 1267.
- Utz, John G., Detroit, Mich., assignor to The Perfection Spring Company, Cleveland, Ohio. Crank-case for combustion-engines. No. 1,114,554; Oct. 20; Gaz. vol. 207; p. 834.
- Uyeda, Sumiye, Cressy, Cal. Wearing-apparel. No. 1,083,712; Jan. 6; Gaz. vol. 198; p. 151.
- Uyeno, Sadamasa, Tokyo, Japan. Producing the materials for generating hydrogen. No. 1,120,768; Dec. 15; Gaz. vol. 209; p. 734.
- V. Weber & Company. (See Freas, Thomas B., assignor.)
- Vaaler, Jens, assignor to The Clemetsen Company, Chicago, Ill. Type-writer desk. (Reissue.) No. 13,832; Nov. 24; Gaz. vol. 208; p. 1320.
- Vacarezza, Andrew, Vineland, N. J. Ratchet-wrench. No. 1,119,900; Dec. 8; Gaz. vol. 209; p. 380.
- Vaccaro, Joseph, deceased, Bristol, R. I.; P. Vaccaro, administrator. Transposing device. No. 1,096,651; May 12; Gaz. vol. 202; p. 539.
- Vaccaro, Pietro, administrator. (See Vaccaro, Joseph.)
- Vacher, Henri E. J. (See Buelna and Beverley, assignors.)
- Vacula, Johan, Munhall, Pa. Traction attachment for vehicle-wheels. No. 1,117,280; Nov. 17; Gaz. vol. 208; p. 711.
- Vacula, Martin, Munhall, Pa. Automobile-lamp. No. 1,092,412; Apr. 7; Gaz. vol. 201; p. 99.
- Vacuum Cleaner Company, The. (See Raymond and Baker, assignors.)
- Vaday, John, Ridgewood, N. J. Antiskidding device. No. 1,105,386; July 28; Gaz. vol. 204; p. 1238.
- Vadner, Charles S., Salt Lake City, Utah. Apparatus for arresting smelter-fumes and recovering their values. No. 1,085,712; Feb. 3; Gaz. vol. 199; p. 47.
- Vadner, Charles S., Salt Lake City, Utah. Rendering smelter-fumes useful and recovery of their values. No. 1,103,165; July 14; Gaz. vol. 204; p. 376.
- Vadner, Charles S., Salt Lake City, Utah. Arresting sulphurous gases and fumes and utilizing the heat and gases contained therein. No. 1,110,660; Sept. 15; Gaz. vol. 206; p. 721.
- Vadner, Charles S., Salt Lake City, Utah. Treatment of copper ores and the recovery of their values. No. 1,111,874; Sept. 29; Gaz. vol. 206; p. 1224.
- Vagt, August, Leverkusen, near Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing sulfonic acids. No. 1,102,827; July 7; Gaz. vol. 204; p. 212.
- Vail, George L., Denver, Colo. Condenser. No. 1,103,386; July 14; Gaz. vol. 204; p. 450.
- Vail, Jesse A., and E. O. Powers, Beloit, Wis., assignors to Fairbanks, Morse & Company, Chicago, Ill. Engine. No. 1,090,249; Mar. 17; Gaz. vol. 200; p. 631.
- Vail, Joseph M., Bryan, Ohio. Rail-stay. No. 1,091,603; Mar. 31; Gaz. vol. 200; p. 1167.
- Vail, Ralph E., Los Angeles, Cal. Carbon-scraper. No. 1,091,604; Mar. 31; Gaz. vol. 200; p. 1167.
- Vail, Robert W., New York, N. Y. Endless-belt conveyer. No. 1,103,635; July 14; Gaz. vol. 204; p. 539.
- Vail, William A., and O. E. Smith, assignors of one-fourth to said Vail, one-fourth to said Smith, one-fourth to F. Lackner, and one-fourth to J. Holden, Chicago, Ill. Tube for pneumatic tires. No. 1,092,130; Mar. 31; Gaz. vol. 200; p. 1347.
- Vaillancourt, Joseph F., Fall River, Mass. Bobbin-cleaning device. No. 1,092,413; Apr. 7; Gaz. vol. 201; p. 99.
- Vains, Antoine R. de, Paris, France. Bleaching lignocellulose and pectocellulose. No. 1,106,994; Aug. 11; Gaz. vol. 205; p. 535.
- Vaith, Edward, Brocket, N. D. Pole-tip. No. 1,117,110; Nov. 10; Gaz. vol. 208; p. 611.
- Vakula, Andrew, Caro, Mich. Portable fence. No. 1,121,780; Dec. 22; Gaz. vol. 209; p. 1122.
- Vale, Baldwin, Alameda, Cal. Implement of agriculture. No. 1,110,244; Sept. 8; Gaz. vol. 206; p. 533.
- Vale, Clarence, and T. C. Mundy, Roanoke, Va. Bolt-threading machine. No. 1,112,175; Sept. 29; Gaz. vol. 206; p. 1324.
- Valentine, Herbert S., assignor to Reading Crane and Hoist Works, Reading, Pa. Motor-control device. No. 1,102,459; July 7; Gaz. vol. 204; p. 84.
- Valentine, Herbert S., assignor to Reading Crane and Hoist Works, Reading, Pa. Brake mechanism. No. 1,114,317; Oct. 20; Gaz. vol. 207; p. 749.
- Valentine, Ralph E., assignor to Kellogg Toasted Corn Flake Co., Battle Creek, Mich. Machine for making biscuits of shredded cereal. No. 1,102,614; July 7; Gaz. vol. 204; p. 138.
- Valentine, Walter D., Altadena, Cal., assignor to National Rapid Transit Company, Seattle, Wash. Monorailway system. No. 1,102,615; July 7; Gaz. vol. 204; p. 139.
- Valentine, Warren R., Ford City, Pa. Runner for grinding plate-glass. No. 1,101,046; June 23; Gaz. vol. 203; p. 1055.

Alphabetical list of patentees—Continued.

- Valerius, Theodore L., Fort Atkinson, Wis., assignor to The Creamery Package Manufacturing Company, Chicago, Ill. Ripener and pasteurizer. No. 1,086,629; Feb. 10; Gaz. vol. 199; p. 412.
- Valerius, Theodore L., Fort Atkinson, Wis., assignor to Creamery Package Manufacturing Company, Chicago, Ill. Bottle-filling machine. No. 1,088,112; Feb. 24; Gaz. vol. 199; p. 1024.
- Valerius, Theodore L., Fort Atkinson, Wis., assignor to Creamery Package Manufacturing Co., Chicago, Ill. Apparatus for treating milk and cream or the like. No. 1,088,113; Feb. 24; Gaz. vol. 199; p. 1025.
- Valerius, Theodore L., Fort Atkinson, Wis., assignor to Creamery Package Manufacturing Company, Chicago, Ill. Means for tempering liquids. No. 1,091,097; Mar. 24; Gaz. vol. 200; p. 953.
- Valerius, Theodore L., Fort Atkinson, Wis., assignor to Creamery Package Manufacturing Company, Chicago, Ill. Apparatus for soaking or sterilizing ice-cream cans. No. 1,094,499; Apr. 28; Gaz. vol. 201; p. 940.
- Valerius, Theodore L., Fort Atkinson, Wis., assignor to Creamery Package Manufacturing Company, Chicago, Ill. Ice-cream-can sterilizer. No. 1,094,500; Apr. 28; Gaz. vol. 201; p. 941.
- Vales, Edward J., Augusta, Ga. Roving-stop for spinning-frames. No. 1,103,329; July 14; Gaz. vol. 204; p. 432.
- Valeur, Fredrik, Gmunden, Austria-Hungary. Apparatus for removing dust from exhaust-gases. No. 1,113,848; Oct. 13; Gaz. vol. 207; p. 545.
- Valind, Joseph, Gladstone, assignor of one-half to A. Blomstrom, Wells, and A. Grant, Escanaba, Mich. Wrench. No. 1,105,725; Aug. 4; Gaz. vol. 205; p. 49.
- Valliquet, Benjamin, Chicago, Ill. Electric hammer. No. 1,091,098; Mar. 24; Gaz. vol. 200; p. 954.
- Vallens, Eugene, New York, N. Y. Cigar-box. No. 1,102,704; July 7; Gaz. vol. 204; p. 168.
- Vallentyne, John F., Minneapolis, Minn. Shock-loader. No. 1,110,469; Sept. 15; Gaz. vol. 206; p. 654.
- Vallez, Louis, Lille, France. Rotary combustion-engine for aerial machines. No. 1,097,150; May 19; Gaz. vol. 202; p. 756.
- Valliant, James R., Atlantic City, N. J. Igniting device. No. 1,093,217; Apr. 14; Gaz. vol. 201; p. 410.
- Vallier, James W., Independence, Oreg. Combined seat and walking-cane. No. 1,089,295; Mar. 3; Gaz. vol. 200; p. 212.
- Vallier, Wilfred, Pontiac, Mich. Starting-crank. No. 1,104,851; July 28; Gaz. vol. 204; p. 1049.
- Valliere, Charles W., East Auburn, Cal. Drinking-fountain. No. 1,101,720; June 30; Gaz. vol. 203; p. 1336.
- Valliere, Felix, Groveton, N. H. Harness-hame. No. 1,116,175; Nov. 3; Gaz. vol. 208; p. 242.
- Vallilee, Edward F., Syracuse, N. Y. Scaffolding or attachment for ladders. No. 1,106,013; Aug. 4; Gaz. vol. 205; p. 149.
- Vallino, Mario, assignor to Società Anonima Italiana Gio Ansaldo & Co., Genoa, Italy. Water-tube marine steam-boiler. No. 1,120,254; Dec. 8; Gaz. vol. 209; p. 504.
- Vallo, Frank K., Murphysboro, Ill. Chicken-leg-securing device. No. 1,089,296; Mar. 3; Gaz. vol. 200; p. 212.
- Vallone, Charles, assignor to Barcalo Manufacturing Co., Buffalo, N. Y. Antirattling device for sliding-side cribs. No. 1,103,714; July 14; Gaz. vol. 204; p. 568.
- Vallone, Charles, and J. H. Illig, assignors to Barcalo Manufacturing Co., Buffalo, N. Y. Machine for coating tubes and the like. No. 1,103,713; July 14; Gaz. vol. 204; p. 567.
- Valois, Felix E., Haverhill, assignor to Hamel Shoe Machinery Company, Lynn, Mass. Welt-beating machine. No. 1,089,025; Mar. 3; Gaz. vol. 200; p. 120.
- Valois, Felix E., Haverhill, assignor to Hamel Shoe Machinery Company, Lynn, Mass. Slugging-machine. No. 1,114,943; Oct. 27; Gaz. vol. 207; p. 1023.
- Valois, Felix E., Haverhill, assignor to Hamel Shoe Machinery Company, Lynn, Mass. Outsole trimming and channeling machine. No. 1,118,883; Nov. 24; Gaz. vol. 208; p. 1309.
- Valot, Edward B., Lees Summit, Mo. Liquid-fuel burner. No. 1,084,117; Jan. 13; Gaz. vol. 198; p. 315.
- Van Aken, John C., Ridgway, Pa. Sled. No. 1,098,650; June 2; Gaz. vol. 203; p. 101.
- Van Akin, George B., and J. E. Borst, Hudson, Mich. Machine for rewinding films. No. 1,121,445; Dec. 15; Gaz. vol. 209; p. 969.
- Van Aller, Tycho, Schenectady, N. Y., assignor to General Electric Company. Electric heating device. No. 1,101,821; June 30; Gaz. vol. 203; p. 1372.
- Van Alstyne, Charles H. and M. C., South Haven, Mich. Suction-cleaner. No. 1,096,078; May 12; Gaz. vol. 202; p. 343.
- Van Alstyne, Matthew C. (See Van Alstyne, Charles H. and M. C.)
- Van Arsdale, George D., East Orange, N. J. Extracting copper from ores. No. 1,119,477; Dec. 1; Gaz. vol. 209; p. 199.
- Van Arsdale, George D., East Orange, N. J. Extracting copper from ores. No. 1,119,478; Dec. 1; Gaz. vol. 209; p. 199.
- Van Arsdall, Alexander L., Kansas City, Mo. Removable saddle for fixed dental bridges. No. 1,091,446; Mar. 24; Gaz. vol. 200; p. 1068.
- Van Atta, Fred E. (See Choate, Charles N., assignor.)
- Van Auken, Benjamin H., Syracuse, N. Y. Ventilating-cowl. No. 1,097,487; May 19; Gaz. vol. 202; p. 873.
- Van Auken, Lansing, Watervliet, N. Y. Egg-carrier. No. 1,114,825; Oct. 27; Gaz. vol. 207; p. 981.
- Van Beuning, Albert, and R. F. Killam, Edgewater, Colo. Rail-joint. No. 1,090,967; Mar. 24; Gaz. vol. 200; p. 908.
- Van Brown, Lewis, Asheville, N. C. Store-ladder. No. 1,090,803; Mar. 17; Gaz. vol. 200; p. 819.
- Van Brunt, Abram, Bridgeport, Conn. Water-column. No. 1,097,274; May 19; Gaz. vol. 202; p. 800.
- Van Brunt, Abram, Brooklyn, N. Y. Suspender-buckle. (Reissue.) No. 13,738; May 26; Gaz. vol. 202; p. 1228.
- Van Buren, Edmund, New York, N. Y. Wind-shield. No. 1,111,980; Sept. 29; Gaz. vol. 206; p. 1257.
- Van Buskirk, Elmira, administratrix. (See Van Buskirk and Cooper.)
- Van Buskirk, William R., deceased, Paterson, and J. A. Cooper, Jersey City, N. J.; E. Van Buskirk, administratrix. Water-gate. No. 1,110,974; Sept. 15; Gaz. vol. 206; p. 830.
- Van Camp, Gordon R., Drayton, N. D. Motor plow and planter. No. 1,094,277; Apr. 21; Gaz. vol. 201; p. 805.
- Van Cauwenbergh, Frank, Rockford, Ill. Molding-machine. No. 1,092,186; Apr. 7; Gaz. vol. 201; p. 21.
- Van Daam, Gerrit, Buffalo, N. Y. Preheating device. No. 1,120,425; Dec. 8; Gaz. vol. 209; p. 564.
- Van Daam, Gerrit, Buffalo, N. Y., assignor, by mesne assignments, to Universal Combustion Company, Inc. Means for feeding preheated air. No. 1,118,386; Nov. 24; Gaz. vol. 208; p. 1138.
- Van de Cruys, Henri. (See Cornand and Van de Cruys.)
- Van de Sandt, Alfred. (See Coon and Van de Sandt.)
- Van De Velde, Abraham C., Chicago, Ill. Power-boist. No. 1,086,958; Feb. 10; Gaz. vol. 199; p. 526.
- Van De Velde, Abraham C., Chicago, Ill. Hoist. No. 1,119,901; Dec. 8; Gaz. vol. 209; p. 380.
- Van Deinse, Anton F. (See Potter and Van Deinse.)
- Van den Plas, Antoine, Woluwe, St. Pierre-lez-Brussels, Belgium. Door-locking mechanism. No. 1,094,278; Apr. 21; Gaz. vol. 201; p. 805.
- Van den Plas, Antoine, Woluwe-St. Pierre-lez-Brussels, Belgium. Support for projectors or lamps, particularly for motor-vehicles. No. 1,100,506; June 16; Gaz. vol. 203; p. 814.
- Van den Plas, Willy, Woluwe, St. Pierre-lez-Brussels, Belgium. Folding hood for automobiles and like vehicles. No. 1,096,652; May 12; Gaz. vol. 202; p. 539.
- Van Der Cruysen, Frank, Webster Groves, Mo. Piston packing-ring. No. 1,089,026; Mar. 3; Gaz. vol. 200; p. 121.
- Van der Kooy, Peter, Cleveland, Ohio. Electric burglar-alarm system. No. 1,115,879; Nov. 3; Gaz. vol. 208; p. 140.
- Van Der Veen, William E., Harvard, Ill. Gambrel. No. 1,091,988; Mar. 31; Gaz. vol. 200; p. 1301.
- Van Deren, George W., Elmira, N. Y. Coaster-brake. No. 1,100,930; June 23; Gaz. vol. 203; p. 1015.
- Van Derwerken, Theodore E., assignor of one-half to W. H. Rabbett, Green Island, N. Y. Device for turning automobile-headlights. No. 1,093,897; Apr. 21; Gaz. vol. 201; p. 679.
- Van Devereer Manufacturing Company. (See Fowler, Henry R., assignor.)
- Van Dolah, Arthur J., Linnton, Oreg. Crate. No. 1,104,582; July 21; Gaz. vol. 204; p. 908.
- Van Doren, Elmer D., Beardstown, Ill. Rubber-patch clamp for hose. No. 1,096,971; May 19; Gaz. vol. 202; p. 692.
- Van Doren, Horatio E., South Bend, Ind. Mounting-block for embossing-dies. No. 1,112,578; Oct. 6; Gaz. vol. 207; p. 60.
- Van Doren, John B., Berkley Heights, N. J., assignor of one-half to W. A. Luce, Boston, Mass. Pyrotechnic toy. No. 1,089,166; Mar. 3; Gaz. vol. 200; p. 171.
- Van Doren, Willard V. (See Mueller and Van Doren.)
- Van Dorn Electric Tool Company, The. (See Schneider, Franklin, assignor.)
- Van Dorn Iron Works Company, The. (See Martin, Arthur, assignor.)
- Van Dorn Iron Works Company, The. (See Van Dorn and Whitehouse, assignors.)
- Van Dorn, James H., and J. T. Whitehouse, assignors to The Van Dorn Iron Works Company, Cleveland, Ohio. Lock-box mechanism for jail-cells. No. 1,110,470; Sept. 15; Gaz. vol. 206; p. 654.
- Van Dorn, James H., and J. T. Whitehouse, assignors to The Van Dorn Iron Works Company, Cleveland, Ohio. Cell-door-operating mechanism. No. 1,122,443; Dec. 29; Gaz. vol. 209; p. 1388.
- Van Dorn, William T., Chicago, Ill. Railway-coupling. No. 1,121,692; Dec. 22; Gaz. vol. 209; p. 1092.
- Van Dresser, William C., assignor to Gemmer Manufacturing Company, Detroit, Mich. Bushing. No. 1,103,107; July 14; Gaz. vol. 204; p. 355.
- Van Dusen, Mary R., Charlevoix, Mich. Folding chair. No. 1,109,717; Sept. 8; Gaz. vol. 206; p. 346.
- Van Duyne, Richard D. (See Johnson, Hamilton, and Van Duyne.)

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- Van Duzer, Clarence E., assignor, by mesne assignments, to The Adapti Manufacturing Company, Cleveland, Ohio. Distributing-box for electric conduits. No. 1,086,630; Feb. 10; Gaz. vol. 199; p. 412.
- Van Dyke, Carl C., St. Paul, Minn. Package-tie. No. 1,088,190; Feb. 24; Gaz. vol. 199; p. 1051.
- Van Dyke, George, New Brunswick, N. J. Vacuum radiator-valve. No. 1,085,885; Feb. 3; Gaz. vol. 199; p. 108.
- Van Dyke, John W., and W. M. Irish, assignors to The Atlantic Refining Company, Philadelphia, Pa. Process of and apparatus for distilling petroleum. No. 1,095,438; May 5; Gaz. vol. 202; p. 90.
- Van Epp, Paul N., Medina, assignor of one-third to L. E. Owen, Catawba Island, Ohio. Trolley-retriever. No. 1,107,465; Aug. 18; Gaz. vol. 205; p. 750.
- Van Es, Louis J. C., Batavia, Netherlands East Indies. Drill. No. 1,112,498; Oct. 6; Gaz. vol. 207; p. 30.
- Van Essen, Pieter D., Haag, Netherlands. Delay-action fuse. No. 1,089,994; Mar. 10; Gaz. vol. 200; p. 500.
- Van Etten, James B., Stroudsburg, Pa. Combined stove and fireless cooker. No. 1,113,072; Oct. 6; Gaz. vol. 207; p. 228.
- Van Everdingen, Theodorus, The Hague, Netherlands. Mustard vessel. No. 1,117,281; Nov. 17; Gaz. vol. 208; p. 711.
- Van Fleet, Emmitt W., Evart, Mich. Seed-grading machine. No. 1,108,282; Aug. 25; Gaz. vol. 205; p. 1084.
- Van Fleet, Frederick W. and R. S., Forest, Ohio. Corner-joint for screens and other frames. No. 1,102,460; July 7; Gaz. vol. 204; p. 84.
- Van Fleet, Rodney S. (See Van Fleet, Frederick W. and R. S.)
- Van Fossen, William H., Eureka, Ill. Truss-pad. No. 1,119,128; Dec. 1; Gaz. vol. 209; p. 80.
- Van Gaasbeek, Walter H. (See Van Wert, Charles H. and G. B., assignors.)
- Van Giesen, Joseph S., Litchville, N. D. Concrete-construction form. No. 1,119,734; Dec. 1; Gaz. vol. 209; p. 286.
- Van Gilder, Lincoln, Ventnor, N. J. Pipe-repair device. No. 1,097,151; May 19; Gaz. vol. 202; p. 756.
- Van Glahn, Edward C., assignor to National Electric Utilities Corporation, New York, N. Y. Unit or grid. No. 1,088,114; Feb. 24; Gaz. vol. 199; p. 1025.
- Van Glahn, Edward C., assignor to National Electric Utilities Corporation, New York, N. Y. Electrically-heated implement. No. 1,096,475; May 12; Gaz. vol. 202; p. 479.
- Van Gundy, Charles P., Catonsville, Md. Alloy. No. 1,098,137; May 26; Gaz. vol. 202; p. 1145.
- Van Haagen, Richard C. J. (See Van Hall, Basenau, and Van Haagen.)
- Van Hall, Adriaan F., F. Basenau, and R. C. J. Van Haagen, assignors to Naamlooze Vennootschap Briquet Company (Briket Maatschappij), Amsterdam, Netherlands. Fuel block or briquet. No. 1,114,715; Oct. 20; Gaz. vol. 207; p. 888.
- Van Hauter, August L., Lodi, N. J. Burglar-alarm. No. 1,096,972; May 19; Gaz. vol. 202; p. 692.
- Van Hoesen, Harold M. (See Cotton, Walter H., assignor.)
- Van Hoesen, James R., Brooklyn, N. Y. Heating device. No. 1,101,721; June 30; Gaz. vol. 203; p. 1336.
- Van Hoevenberg, Henry, North Elba, N. Y. Gas-burner cleaner. No. 1,112,176; Sept. 29; Gaz. vol. 206; p. 1325.
- Van Hoevenberg, Henry, North Elba, N. Y., and R. W. Pope, Elizabeth, N. J., assignors of one-half to W. J. Spain, New York, N. Y. Protector for telephone-transmitters. No. 1,083,569; Jan. 6; Gaz. vol. 198; p. 103.
- Van Hook, Franklin P., Topeka, Kans. Silo. No. 1,095,481; May 5; Gaz. vol. 202; p. 106.
- Van Horn, Le Roy K., Youngstown, Ohio. Mold for making concrete structures. No. 1,120,569; Dec. 8; Gaz. vol. 209; p. 615.
- Van Horn, Vandiver J., assignor to Union Special Machine Company, Chicago, Ill. Ornamental seam for sewed articles. No. 1,100,507; June 16; Gaz. vol. 203; p. 814.
- Van Horn, Vandiver J., assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. No. 1,100,508; June 16; Gaz. vol. 203; p. 815.
- Van Horn, Vandiver J., assignor to Union Special Machine Company, Chicago, Ill. Ornamental seam for sewed articles. No. 1,100,509; June 16; Gaz. vol. 203; p. 815.
- Van Horn, Vandiver J., assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. No. 1,100,510; June 16; Gaz. vol. 203; p. 815.
- Van Horn, William H. (See Kemp and Van Horn.)
- Van Horne, Benjamin F. (See Coffman and Van Horne.)
- Van Horne, Thomas C. (See Dukessmith, Frank H., assignor.)
- Van Houten, Frank H. (See Hanna and Van Houten.)
- Van Houten, Frank H., Fishkill-on-the-Hudson, N. Y. Dough-proving cabinet. No. 1,115,621; Nov. 3; Gaz. vol. 208; p. 52.
- Van Houten, Frank H., Fishkill-on-the-Hudson, N. Y. Dough-beating machine. No. 1,122,670; Dec. 29; Gaz. vol. 209; p. 1470.
- Van Houten, Frank H., assignor to Dutchess Tool Company, Fishkill-on-the-Hudson, N. Y. Dough-handling machinery. No. 1,119,204; Dec. 1; Gaz. vol. 208; p. 106.
- Van Houten, Frank H., assignor to Dutchess Tool Company, Fishkill-on-the-Hudson, N. Y. Dough-handling machinery. No. 1,119,205; Dec. 1; Gaz. vol. 209; p. 107.
- Van Kampen, Jan W. P., Watergraafsmeer, and G. A. Cox, Utrecht, Netherlands. Universal rifle-projectile. No. 1,094,395; Apr. 21; Gaz. vol. 201; p. 843.
- Van Kirk, Benjamin R., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Side bearing for electric trucks. No. 1,097,488; May 19; Gaz. vol. 202; p. 873.
- Van Leir, Henry W., assignor, by mesne assignments, to S. S. Wenzell Machine Company, Philadelphia, Pa. Valve for bottle-filling apparatus. No. 1,093,365; Apr. 14; Gaz. vol. 201; p. 461.
- Van Leuven, Charles H., New York, N. Y. Side-recess-entrance car. No. 1,098,000; May 26; Gaz. vol. 202; p. 1098.
- Van Lieu, Samuel M. (See Gregg, Wilks B., assignor.)
- Van Liew, John, Chicago, Ill. Miner's lamp. No. 1,090,250; Mar. 17; Gaz. vol. 200; p. 631.
- Van Male, William A. (See Bambeck and Van Male.)
- Van Mater, John H. (See Waterhouse and Van Mater.)
- Van Mater, John H., Atlantic Highlands, N. J. Phonographic sound-box. No. 1,111,779; Sept. 29; Gaz. vol. 206; p. 1189.
- Van Meter, Charles, *et al.* (See McGraner, John E., assignor.)
- Van Ness, Clair L., Akron, Ohio. Head for insulating-machines. No. 1,100,002; June 16; Gaz. vol. 203; p. 640.
- Van Ness, Frank W. (See Matchette and Van Ness.)
- Van Ness, Frank W., assignor to F. J. Matchette, Milwaukee, Wis. Vacuum-governor. No. 1,090,893; Mar. 24; Gaz. vol. 200; p. 882.
- Van Ness, Frank W., Milwaukee, Wis., assignor, by mesne assignments, to Richmond Radiator Company, New York, N. Y. Recess-box. No. 1,108,283; Aug. 25; Gaz. vol. 205; p. 1084.
- Van Ness, Marvin B., Welsh, La. Centrifugal pumping mechanism. No. 1,108,089; Aug. 18; Gaz. vol. 205; p. 968.
- Van Ness, Matthew P., *et al.* (See Franke, Frederick W., assignor.)
- Van Ness, Schuyler, Framingham, assignor to Dennison Manufacturing Company, Boston, Mass. Coin-holder. No. 1,114,826; Oct. 27; Gaz. vol. 207; p. 981.
- Van Nest, Isaac G., and A. J. Killeen, Los Angeles, Cal. Automatic smudge-kindler. No. 1,102,616; July 7; Gaz. vol. 204; p. 139.
- Van Norden, Eric B., H. P. Hamburg, New York, N. Y., and S. S. Harper, deceased, Philadelphia, Pa.; E. L. Harper, executor. Pencil-sharpener. No. 1,121,423; Dec. 15; Gaz. vol. 209; p. 961.
- Van Norman, Charles E., Springfield, Mass. Grinding-machine. No. 1,102,558; July 7; Gaz. vol. 204; p. 118.
- Van Norman, Frederick D., assignor, by mesne assignments, to Van Norman Machine Tool Company, Springfield, Mass. Spindle-bearing-lubricating device. No. 1,099,218; June 9; Gaz. vol. 203; p. 333.
- Van Norman Machine Tool Company. (See Van Norman, Frederick D., assignor.)
- Van Nortwick, George W. (See Sherlock and Van Nortwick.)
- Van Nostran, William L., Cincinnati, Ohio. Necktie. No. 1,100,164; June 16; Gaz. vol. 203; p. 697.
- Van Nostrand, Charles L., Bedford, Iowa, assignor to American Sarcophagus Company. Sarcophagus. No. 1,090,953; Mar. 24; Gaz. vol. 200; p. 904.
- Van Nostrand, Leonard G., Scranton, Pa. Grate-bar. No. 1,122,338; Dec. 29; Gaz. vol. 209; p. 1354.
- Van Nuis, Charles S., New Brunswick, N. J. Time-limit control for circuit breakers. No. 1,109,091; Sept. 1; Gaz. vol. 206; p. 83.
- Van Oosterwyck, Jean-Baptiste, Loncin-Ans, Liege, Belgium. Water-tube boiler. No. 1,099,136; June 2; Gaz. vol. 203; p. 260.
- Van Osdel, Charles R., Monrovia, Cal. Berry-box. No. 1,101,479; June 23; Gaz. vol. 203; p. 1203.
- Van Patten, George M., Council Bluffs, Iowa. End-gate. No. 1,093,218; Apr. 14; Gaz. vol. 201; p. 410.
- Van Patten, Samuel R., Ithaca, N. Y. Flexible container. No. 1,087,702; Feb. 17; Gaz. vol. 199; p. 837.
- Van Raalten, Cornelius D., Gempolkrep, near Modjokerto, Dutch East India. Shaking-sieve apparatus. No. 1,093,579; Apr. 14; Gaz. vol. 201; p. 527.
- Van Ranst, Samuel B., Syracuse, and M. Havens, Jr., Albany; said Van Ranst assignor to Crouse-Hinds Company, Syracuse, N. Y. Electrical appliance. No. 1,100,857; June 23; Gaz. vol. 203; p. 987.
- Van Rensselaer, Joseph L., New York, N. Y. Non-refillable bottle. No. 1,107,384; Aug. 18; Gaz. vol. 205; p. 721.
- Van Riper, Lewis C., New York, N. Y. Starting device for explosive-engines. No. 1,104,087; July 21; Gaz. vol. 204; p. 736.
- Van Riper, Lewis C., New York, N. Y., assignor to Vano-scope Company. Motion-picture machine. No. 1,085,392; Jan. 27; Gaz. vol. 198; p. 811.

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- Van Schoiack, Isaac L., Sugar Grove, Ill. Railway-tie. No. 1,097,275; May 19; Gaz. vol. 202; p. 801.
- Van Schoiack, Isaac L., Sugar Grove, Ill. Bag-holder. No. 1,110,018; Sept. 8; Gaz. vol. 206; p. 452.
- Van Schoik, Charles W., New York, N. Y. Heater for automobiles. No. 1,109,376; Sept. 1; Gaz. vol. 206; p. 186.
- Van Steenburg, John L., Erie, Pa. Lubricating trolley-wheel. No. 1,105,470; July 28; Gaz. vol. 204; p. 1267.
- Van Steenburgh, George W., Manokill, N. Y. Spring-tire. No. 1,103,445; July 14; Gaz. vol. 204; p. 470.
- Van Syckel, Claude S., Camden, N. J. Vehicle-spring. No. 1,111,278; Sept. 22; Gaz. vol. 206; p. 979.
- Van Syckel, Claude S., Camden, N. J. Vehicle-spring. No. 1,111,279; Sept. 22; Gaz. vol. 206; p. 979.
- Van Tine, David W., Philadelphia, Pa., assignor to R. Heinisch's Sons Co., Newark, N. J. Shears. No. 1,083,871; Jan. 6; Gaz. vol. 198; p. 199.
- Van Tuyl, Thomas, Kankakee, Ill., assignor to A. E. Cook, Odebolt, Iowa. Supply and feed system for hydrocarbon-engines. No. 1,098,138; May 26; Gaz. vol. 202; p. 1145.
- Van Valkenburg, Burt R., Oakland, Cal. Tremolo mechanism. No. 1,085,308; Jan. 27; Gaz. vol. 198; p. 783.
- Van Valkenburg, Burt R., Oakland, Cal. Orchestrion. No. 1,109,268; Sept. 1; Gaz. vol. 206; p. 146.
- Van Valkenburg, Levi D., Holyoke, Mass. Retainer for fountain-pens and pencils. No. 1,095,685; May 5; Gaz. vol. 202; p. 175.
- Van Valkenburg, Randall T., Washington, D. C. Gate-hinge. No. 1,084,832; Jan. 20; Gaz. vol. 198; p. 583.
- Van Valkenburg, Randall T., Washington, D. C. Gate. No. 1,110,168; Sept. 8; Gaz. vol. 206; p. 508.
- Van Vorst, George A., Scotia, N. Y. Automobile-fender. No. 1,106,121; Aug. 4; Gaz. vol. 205; p. 188.
- Van Vleck, Horace R., Montclair, N. J. Gas-engine. No. 1,118,975; Dec. 1; Gaz. vol. 209; p. 24.
- Van Vliet, Levi, and F. O'Neil, Pomona, Cal. Gas-generator. No. 1,094,762; Apr. 28; Gaz. vol. 201; p. 1035.
- Van Wert, Charles H. and G. B.; said C. H. Van Wert assignor to W. H. Van Gaasbeck, Kingston, N. Y. Shock-absorber. No. 1,113,073; Oct. 6; Gaz. vol. 207; p. 228.
- Van Wert, George B. (See Van Wert, Charles H. and G. B.)
- Van Wie, Arthur E., Kenosha, Wis. Roof-shoe. No. 1,103,108; July 14; Gaz. vol. 204; p. 356.
- Van Wormer, Arba, assignor to Horton Manufacturing Company, Fort Wayne, Ind. Stop mechanism for wringers. No. 1,105,225; July 28; Gaz. vol. 204; p. 1177.
- Van Wormer, Arba, assignor to Horton Manufacturing Company, Fort Wayne, Ind. Stop mechanism for wringers and the like. No. 1,105,226; July 28; Gaz. vol. 204; p. 1178.
- Van Wyke, Arthur. (See Gaulin and Van Wyke.)
- Van Zandt, Frederick N. (See Baldwin, James E., assignor.)
- Van Zandt, George D., Pearl River, N. Y. Rake-cleaner. No. 1,084,982; Jan. 20; Gaz. vol. 198; p. 632.
- Van Zandt, Jacobs & Co. (See Shumway, Harry E., assignor.)
- Van Zandt, Luther L., assignor of three-fourths to Davis Drug Company, Oklahoma, Okla. Chance device. No. 1,096,330; May 12; Gaz. vol. 202; p. 432.
- Vana, Mary. (See Prokop, Frank, assignor.)
- Vance Company, The. (See Vance, Lee M., assignor.)
- Vance, George A., Palmyra, Ill. Flood-gate. No. 1,116,516; Nov. 10; Gaz. vol. 208; p. 401.
- Vance, James L. (See Riley, Vance, and Jenkins.)
- Vance, Lee M., assignor to The Vance Company, Incorporated, Davis, Cal. Staple-retainer. No. 1,106,600; Aug. 11; Gaz. vol. 205; p. 400.
- Vance, Lee M., assignor to The Vance Company, Incorporated, Davis, Cal. Staple-retainer. No. 1,110,975; Sept. 15; Gaz. vol. 206; p. 830.
- Vance, Leo P., Rock Island, Ill. Gasoline-engine. No. 1,090,177; Mar. 17; Gaz. vol. 200; p. 605.
- Vance, Oscar L., Decatur, Ind. Automobile-headlight. No. 1,099,217; June 9; Gaz. vol. 203; p. 333.
- Vance, William H., Berkeley, Cal. Sash-lock. No. 1,103,229; July 14; Gaz. vol. 204; p. 398.
- Vande, Gerard, Los Angeles, Cal. Vibrator. No. 1,093,301; Apr. 14; Gaz. vol. 201; p. 440.
- Vande Greyn, Gerrit J., Chicago, Ill. Automatic time-switch. No. 1,116,517; Nov. 10; Gaz. vol. 208; p. 401.
- Vandegriff, James N., assignor to Railway Roller Bearing Company, Syracuse, N. Y. Antifriction thrust-bearing. No. 1,106,065; Aug. 4; Gaz. vol. 205; p. 167.
- Vanden Berg, Peter H., assignor to Pacific Electric Heating Company, Ontario, Cal. Alfalfa-gate. No. 1,092,187; Apr. 7; Gaz. vol. 201; p. 22.
- Vandenbergh, William H., Chicago, Ill. Lubricator. No. 1,106,756; Aug. 11; Gaz. vol. 205; p. 453.
- Vandenorth, James P., Chicago, Ill. Window-shade. No. 1,106,601; Aug. 11; Gaz. vol. 205; p. 400.
- Vander Ploeg, W. G., *et al.* (See Greenland, Loyd D., assignor.)
- Vander Veer, John H., Brooklyn, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Automatic controlling device. No. 1,113,388; Oct. 13; Gaz. vol. 207; p. 384.
- Vander Wilt, D., *et al.* (See Greenland, Loyd D., assignor.)
- Vandercook, Robert O., Chicago, Ill. Printing-press. No. 1,100,409; June 16; Gaz. vol. 203; p. 782.
- Vandercook, Robert O., Evanston, Ill. Inking device for printing-presses. No. 1,120,868; Dec. 15; Gaz. vol. 209; p. 768.
- Vandergriff, Robert E., Fellows, Cal. Drill. No. 1,090,952; Mar. 24; Gaz. vol. 200; p. 903.
- Vanderslice, Benjamin F., Darby, Pa. Trestle for tables, scaffolding, &c. No. 1,113,264; Oct. 13; Gaz. vol. 207; p. 340.
- Vanderveld, Anthony, assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Show-case. No. 1,103,230; July 14; Gaz. vol. 204; p. 399.
- Vanderveld, Anthony, assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Display-rack. No. 1,113,386; Oct. 13; Gaz. vol. 207; p. 384.
- Vandervell, Charles A., and A. H. Midgley, Acton Vale, England. Self-regulating dynamo-electric machine. No. 1,086,486; Feb. 10; Gaz. vol. 199; p. 362.
- Vandervell, Charles A., and A. H. Midgley, Acton Vale, England. Self-regulating dynamo-electric machine. No. 1,088,489; Feb. 24; Gaz. vol. 199; p. 1150.
- Vandervoort, Francis M., Fredonia, Kans. Front-drive tractor. No. 1,091,720; Mar. 31; Gaz. vol. 200; p. 1207.
- Vandiver, Leslie A., Chicago, Ill. Vending-machine. No. 1,099,409; June 9; Gaz. vol. 203; p. 400.
- Vandiver, Leslie A., Chicago, Ill., assignor to Star Novelty Manufacturing Co., Shelby, Mo. Vending-machine. No. 1,113,919; Oct. 13; Gaz. vol. 207; p. 568.
- Vandyke, Donald J., assignor of one-half to J. Shalne, Cambridge, Mass. Container. No. 1,104,852; July 28; Gaz. vol. 204; p. 1049.
- Vanguard Manufacturing Company. (See Thoeming, William H., assignor.)
- Vaniman, Melvin, Atlantic City, N. J., assignor to International Aeronautical Construction Company. Speed and direction indicator for airships. No. 1,084,831; Jan. 20; Gaz. vol. 198; p. 583.
- Vanneman, John M., Philadelphia, Pa. Garment. No. 1,092,677; Apr. 7; Gaz. vol. 201; p. 191.
- Vannette Bobbinless Sewing Machine Company. (See Vannette, Jasper, assignor.)
- Vannette, Jasper, Tiffin, Ohio, assignor to Vannette Bobbinless Sewing Machine Company, Amsterdam, N. Y. Sewing-machine. No. 1,096,407; May 12; Gaz. vol. 202; p. 456.
- Vanoscope Company. (See Van Riper, Lewis C., assignor.)
- Vantrease, Clarence O., Nashville, Tenn. Resilient wheel. No. 1,097,829; May 26; Gaz. vol. 202; p. 1036.
- Vardell, Arthur A., Dallas, Tex. Cotton-seed linter. No. 1,102,177; June 30; Gaz. vol. 203; p. 1498.
- Varga, Charles, Etna, Pa. Shoe-cleaning device. No. 1,114,944; Oct. 27; Gaz. vol. 207; p. 1024.
- Varga, Johan, Norwalk, Conn. Nutcracker. No. 1,117,726; Nov. 17; Gaz. vol. 208; p. 870.
- Varga, John, Chicago, Ill. Desk. No. 1,096,331; May 12; Gaz. vol. 202; p. 432.
- Varia, Pietro, White Plains, N. Y. Vending-machine. No. 1,092,188; Apr. 7; Gaz. vol. 201; p. 22.
- Varian, James A., Norwalk, Conn. Garage. No. 1,102,828; July 7; Gaz. vol. 204; p. 212.
- Varian, Joseph H., Los Angeles, Cal. Vegetable slicing and cooking machine. No. 1,086,248; Feb. 3; Gaz. vol. 199; p. 236.
- Varian, Samuel T., East Orange, N. J. Billiard-cue. No. 1,092,189; Apr. 7; Gaz. vol. 201; p. 22.
- Variel, Robert H. F., Jr., Los Angeles, Cal. Game-indicator. No. 1,114,945; Oct. 27; Gaz. vol. 207; p. 1024.
- Variety Manufacturing Company. (See Gervais and Gilmore, assignors.)
- Variety Manufacturing Company. (See Gilmore, Millard, assignor.)
- Varley, Benjamin R., assignor to Varley Duplex Magnet Company, Jersey City, N. J. Winding-machine. No. 1,102,369; July 7; Gaz. vol. 204; p. 51.
- Varley Duplex Magnet Company. (See Varley, Benjamin R., assignor.)
- Varley Duplex Magnet Company. (See Varley and Macfarren, assignors.)
- Varley, Richard, Englewood, N. J. Electrical system. No. 1,103,385; July 14; Gaz. vol. 204; p. 450.
- Varley, Richard, Englewood, N. J. Electrical system. No. 1,112,177; Sept. 29; Gaz. vol. 206; p. 1325.
- Varley, Richard, Englewood, N. J., and W. W. Macfarren, Pittsburgh, Pa., assignors to Varley Duplex Magnet Company, Jersey City, N. J. Power system for automobiles. No. 1,110,086; Sept. 8; Gaz. vol. 206; p. 476.
- Varnell, Sidney. (See Buster and Varnell.)
- Varner, William J. (See Armor and Varner.)
- Varney, Gorham C., *et al.* (See Le Compte, Joseph H., assignor.)

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- Varney, Theodore, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-welding apparatus. No. 1,095,300; May 5; Gaz. vol. 202; p. 44.
- Varsamis, George. (See Contos, John, assignor.)
- Varsity Underwear Company. (See Juhn, Sidney, assignor.)
- Vasbinder, William E. (See Reid, William, assignor.)
- Vasey, Joseph T., Marshfield, Oreg. Fruit-gatherer. No. 1,114,318; Oct. 20; Gaz. vol. 207; p. 750.
- Vasko, John, Hutchinson, W. Va. Railway-track switch. No. 1,095,301; May 5; Gaz. vol. 202; p. 44.
- Vass, Gábor. (See Szentpáli and Vass.)
- Vassalakis, Markos, Washington, D. C. Combined rudder and fender. No. 1,091,027; Mar. 24; Gaz. vol. 200; p. 930.
- Vassallo, Jean. (See Bonnot, Belot, Vassallo, and Emery.)
- Vauchlain, Charles P., Rosemont, and J. M. Burns, assignors to The Baldwin Locomotive Works, Philadelphia, Pa. Heading stay-bolts. No. 1,119,735; Dec. 1; Gaz. vol. 209; p. 286.
- Vauchlain, Samuel M., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Joint for articulated locomotives. No. 1,099,076; June 2; Gaz. vol. 203; p. 240.
- Vauchlain, Samuel M., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Car-truck. No. 1,102,108; June 30; Gaz. vol. 203; p. 1475.
- Vauchlain, Samuel M., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Rack-locomotive. No. 1,114,555; Oct. 20; Gaz. vol. 207; p. 834.
- Vaughan, Amos C., Anadarko, Okla. Decoy. No. 1,110,245; Sept. 8; Gaz. vol. 206; p. 533.
- Vaughan, Bernard G., assignor to National Match Company, Joliet, Ill. Match-splint-conveying apparatus. No. 1,093,366; Apr. 14; Gaz. vol. 201; p. 461.
- Vaughan, Bernard G., assignor to National Match Company, Joliet, Ill. Impregnating apparatus. No. 1,116,649; Nov. 10; Gaz. vol. 208; p. 451.
- Vaughan & Bushnell Mfg. Co. (See Graham, Edward M., assignor.)
- Vaughan, David F., Riverton, N. J. Anticreeper for railway-rails. No. 1,099,525; June 9; Gaz. vol. 203; p. 440.
- Vaughan, David F., Riverton, N. J. Anticreeper for railway-rails. No. 1,113,516; Oct. 13; Gaz. vol. 207; p. 430.
- Vaughan, David F. and D. L., Riverton, N. J. Anticreeper for railway-rails. No. 1,099,524; June 9; Gaz. vol. 203; p. 439.
- Vaughan, David L. (See Vaughan, David F. and D. L.)
- Vaughan, David L., Riverton, N. J. Carrier for pneumatic-tire shoes. No. 1,092,463; Apr. 7; Gaz. vol. 201; p. 118.
- Vaughan, Earl, Beverly, Mass. Steam-engine indicator. No. 1,098,067; May 26; Gaz. vol. 202; p. 1122.
- Vaughan, Edwin W., Worcester, Mass. Curtain-rod. No. 1,112,950; Oct. 6; Gaz. vol. 207; p. 188.
- Vaughan, H. A. (See Besson, William M. T., assignor.)
- Vaughan, Harry L., Chicago, Ill. Throat for bottling-machines. No. 1,104,023; July 21; Gaz. vol. 204; p. 713.
- Vaughan, Harry L., Chicago, Ill. Throat for bottling-machines. No. 1,104,024; July 21; Gaz. vol. 204; p. 713.
- Vaughan, Harry L., Chicago, Ill. Bottle-opener. No. 1,104,025; July 21; Gaz. vol. 204; p. 714.
- Vaughan, Henry H., Montreal, Quebec, Canada. Lateral-motion device for railway-trucks. No. 1,099,890; June 9; Gaz. vol. 203; p. 565.
- Vaughan, Henry H., Montreal, Quebec, Canada. Lateral-motion device for railway-trucks. No. 1,099,891; June 9; Gaz. vol. 203; p. 565.
- Vaughan, Henry H., Montreal, Quebec, Canada. Reverse-gear. No. 1,101,976; June 30; Gaz. vol. 203; p. 1427.
- Vaughan, Henry H., Montreal, Quebec, Canada. Appliance for locomotive cabs and tenders. No. 1,108,816; Aug. 25; Gaz. vol. 205; p. 1266.
- Vaughan, Henry H., Montreal, Quebec, Canada. Lavatory equipment for passenger-cars. No. 1,122,444; Dec. 29; Gaz. vol. 209; p. 1389.
- Vaughan, Henry H., Westmount, Quebec, Canada. Railway-car truck. No. 1,120,173; Dec. 8; Gaz. vol. 209; p. 475.
- Vaughan, Henry H., assignor to H. Osborne, W. A. Petersen, and said Vaughan, Montreal, Quebec, Canada. Means for turning crank-pins while in place in driving-wheels and boring the driving-wheel for the pin. No. 1,093,219; Apr. 14; Gaz. vol. 201; p. 411.
- Vaughan, J. M. (See Vaughan, James S., assignor.)
- Vaughan, James S., assignor of one-half to J. M. Vaughan, Leota, Mo. Cotton-chopper. No. 1,091,258; Mar. 24; Gaz. vol. 200; p. 1010.
- Vaughan, Jane A., Ruby Valley, Nev. Wardrobe. No. 1,121,211; Dec. 15; Gaz. vol. 209; p. 889.
- Vaughan, Jay W., Detroit, Mich. Mold for cement beams. No. 1,113,387; Oct. 13; Gaz. vol. 207; p. 384.
- Vaughan, John F., Cambridge, Mass. Flow-indicator. No. 1,111,684; Sept. 22; Gaz. vol. 206; p. 1119.
- Vaughan, Sanford S., Oak Park, Ill. Fire-escape ladder. No. 1,102,461; July 7; Gaz. vol. 204; p. 84.
- Vaughan, Thomas M., assignor to Michigan Metal Products Company, Battle Creek, Mich. Toy boat. No. 1,118,081; Nov. 24; Gaz. vol. 208; p. 1032.
- Vaughan, Thomas M., assignor to Electric Nail Company, Battle Creek, Mich. Machine for manufacturing roofing-nails and nailing-strips. No. 1,119,553; Dec. 1; Gaz. vol. 209; p. 226.
- Vaughan, Walter H., Detroit, Mich. Heel. No. 1,083,115; Feb. 24; Gaz. vol. 199; p. 1025.
- Vaughan, Walter H., Detroit, Mich. Heel. No. 1,122,445; Dec. 29; Gaz. vol. 209; p. 1389.
- Vaughn, Bert C., assignor to S. C. Vaughn, Pittsburgh, Pa. Inhaling device. No. 1,084,304; Jan. 13; Gaz. vol. 198; p. 378.
- Vaughn, Cyrus S., New Rochelle, N. Y. Automobile-signal. No. 1,097,689; May 26; Gaz. vol. 202; p. 986.
- Vaughn, Henry S. (See Eggleton, Samuel W., assignor.)
- Vaughn, John G., Guthrie, Mo. Gate. No. 1,104,583; July 21; Gaz. vol. 204; p. 908.
- Vaughn, Joseph. (See Gersich and Vaughn.)
- Vaughn, Lorenzo D., and T. Miller, Grafton, W. Va. Igniter for miners' lamps. No. 1,084,872; Jan. 20; Gaz. vol. 198; p. 597.
- Vaughn, Sarah C. (See Vaughn, Bert C., assignor.)
- Vaught, James C. H., Globe, Ariz. Chuck for rock-drills. No. 1,083,310; Jan. 6; Gaz. vol. 198; p. 18.
- Vawter, Robert G., Woodstock, Va. Soldering-iron. No. 1,092,678; Apr. 7; Gaz. vol. 201; p. 191.
- Vearing, William W., Philadelphia, Pa. Device for oiling or shellacking floors. No. 1,120,426; Dec. 8; Gaz. vol. 209; p. 565.
- Vedder, John W. (See Mellinger, Harrigan, Coppage, McDowell, Vedder, and Strobel.)
- Vedder, John W., Wilmington, Del. Dipper for driers in paper-making machines. No. 1,084,677; Jan. 20; Gaz. vol. 198; p. 529.
- Veeder, Curtis H., Hartford, Conn. Driving connection for odometers. No. 1,088,853; Mar. 3; Gaz. vol. 200; p. 61.
- Veeder, Curtis H., Hartford, Conn. Carbureter. No. 1,119,479; Dec. 1; Gaz. vol. 209; p. 199.
- Veeder, Curtis H., assignor to The Veeder Manufacturing Company, Hartford, Conn. Setting glass. No. 1,093,580; Apr. 14; Gaz. vol. 201; p. 527.
- Veeder, Edwin J., Hillsdale, Mich. Shipping-carton for brooms. No. 1,088,383; Feb. 24; Gaz. vol. 199; p. 1116.
- Veeder Manufacturing Company, The. (See Veeder, Curtis H., assignor.)
- Vega Company. (See Nelson, Nelson J., assignor.)
- Vega y Vega, Tomás, Buenos Aires, Argentina. Sowing-machine. No. 1,098,416; June 2; Gaz. vol. 203; p. 21.
- Veil-Picard, Edmond. (See Dogny, Henri, and Veil-Picard.)
- Veit, Harry M. (See Sondhelm and Veit.)
- Veitch, Thomas, New York, N. Y., assignor of one-half to J. A. Steinmetz, Philadelphia, Pa. Starting device for internal-combustion engines. No. 1,117,282; Nov. 17; Gaz. vol. 208; p. 711.
- Velardo, John. (See Velardo, Paul and J.)
- Velardo, Paul, Somerville, and J. Velardo, Boston, Mass. Hat-protector. No. 1,106,527; Aug. 11; Gaz. vol. 205; p. 372.
- Velasko, Adolph G., Syracuse, N. Y. Undergarment. No. 1,084,180; Jan. 13; Gaz. vol. 198; p. 336.
- Veldop Company, The. (See Peck, Ira F., assignor.)
- Velen, Luther T., Cleburne, Kans. Power mechanism for harvesters and the like. No. 1,088,384; Feb. 24; Gaz. vol. 199; p. 1116.
- Velox Manufacturing Company. (See Tuck, William W., assignor.)
- Velten, Hugo, Milan, Italy. Ore-dressing apparatus. No. 1,089,606; Mar. 10; Gaz. vol. 200; p. 367.
- Venable, William M., assignor to Blaw Collapsible Steel Centering Company, Pittsburgh, Pa. Beam-mold. No. 1,090,583; Mar. 17; Gaz. vol. 200; p. 748.
- Venable, William M., assignor to Blaw Steel Construction Company, Pittsburgh, Pa. Wall-mold. No. 1,103,109; July 14; Gaz. vol. 204; p. 356.
- Venable, William M., assignor to Blaw Collapsible Steel Centering Company, Pittsburgh, Pa. Column-form. No. 1,114,946; Oct. 27; Gaz. vol. 207; p. 1024.
- Venable, William M., assignor to Blaw Steel Construction Company, Pittsburgh, Pa. Column-mold. No. 1,120,570; Dec. 8; Gaz. vol. 209; p. 616.
- Venable, William M., assignor to Blaw Steel Construction Company, Pittsburgh, Pa. Column-top mold. No. 1,122,822; Dec. 29; Gaz. vol. 209; p. 1523.
- Vener Products Corporation. (See Hutchinson, William F., assignor.)
- Venge, John, Milwaukee, Wis. Electric generating device for railway-trains. No. 1,089,995; Mar. 10; Gaz. vol. 200; p. 501.
- Venners, James H., assignor of one-half to W. L. Mills-paugh, Brooklyn, N. Y. Interchangeable motor-vehicle. No. 1,106,689; Aug. 11; Gaz. vol. 205; p. 430.
- Venners, Sidney C., New York, N. Y. Signal system. No. 1,115,349; Oct. 27; Gaz. vol. 207; p. 1163.
- Venning, Frank J., Cincinnati, Ohio. Locking device. No. 1,086,692; Feb. 10; Gaz. vol. 199; p. 434.
- Venske, William, Minneapolis, Minn. Sliding casement-window. No. 1,110,841; Sept. 15; Gaz. vol. 206; p. 783.

Alphabetical list of patentees—Continued.

- Ventrice, Bartolo, Collinsville, Cal. Water-intake for power-boats. No. 1,090,584; Mar. 17; Gaz. vol. 200; p. 748.
- Ventrice, Nicola, Collinsville, Cal. Permutation-lock. No. 1,098,068; May 26; Gaz. vol. 202; p. 1122.
- Venturi Alarm Company. (See Hamilton, John R., assignor.)
- Ver Planck, William E. (See Chatain and Ver Planck.)
- Ver Planck, William E. (See Lucke and Ver Planck.)
- Ver Planck, William E., Erie, Pa., assignor to General Electric Company. Controlling mechanism for internal-combustion engines. No. 1,094,406; Apr. 21; Gaz. vol. 201; p. 847.
- Ver Planck, William E., Erie, Pa., assignor to General Electric Company. Fuel-pump for engines. No. 1,116,959; Nov. 10; Gaz. vol. 208; p. 558.
- Ver Planck, William E., and H. G. Chatain, Erie, Pa., assignors to General Electric Company. System of engine cooling and car-heating. No. 1,118,601. Nov. 24; Gaz. vol. 208; p. 1215.
- Verber, George, Chicago, Ill. Ash-sifter. No. 1,101,977; June 30; Gaz. vol. 203; p. 1427.
- Verberckmoes, Louis F., Anaconda, Mont. Watchcase-crown. No. 1,114,947; Oct. 27; Gaz. vol. 207; p. 1024.
- Verbeyst, Martin, Park Ridge, N. J. Embossing apparatus. No. 1,093,664; Apr. 21; Gaz. vol. 201; p. 601.
- Vercellini, Stephen, Boston, Mass. Board-puller. No. 1,091,873; Mar. 31; Gaz. vol. 200; p. 1263.
- Verclaire, Walter E., Chicago, Ill. Aeroplane. No. 1,093,746; Apr. 21; Gaz. vol. 201; p. 629.
- Verclaire, Walter E., Chicago, Ill. Aeroplane. No. 1,106,428; Aug. 11; Gaz. vol. 205; p. 334.
- Verein chemischer Fabriken in Mannheim. (See Hausmann, Fritz, assignor.)
- Verein für Chemische Industrie in Mainz. (See Colischonn and Ruppert, assignors.)
- Vereinigte Carborundum- und Elektrizitäts-Werke Akt. Ges. (See Heimberg, Paul, assignor.)
- Vereinigte Glanzstoff-Fabriken A.-G. (See Bronnert, Emile, assignor.)
- Vereinigte Kunstseidefabriken A. G. (See Dietler, Friedrich E., assignor.)
- Vereinigte Kunstseidefabriken A. G. (See Schniter, Karl, assignor.)
- Vereinigte Seidenfärbereien C. A. Langenbeck & I. P. Lohe. (See Ley, Hermann, assignor.)
- Vereinigte Walz- und Röhrenwerke Akt.-Ges. vormals Friedr. Boecker Ph's Sohn & Co. und Friedr. Koenig. (See Bell and Treiber, assignors.)
- Vergé, Alphonse E. (See Fletcher, Hartley, assignor.)
- Verges Manufacturing Co. (See Dennis, William, assignor.) (Reissue.)
- Vergnani, Pietro, Somerville, Mass. Melting-furnace. No. 1,121,957; Dec. 22; Gaz. vol. 209; p. 1185.
- Verhaert, Léon, Paris, France. Flask with stilligoutte stopper. No. 1,098,998; June 2; Gaz. vol. 203; p. 217.
- Verhoeven, Thomas A., Buffalo, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,099,476; June 9; Gaz. vol. 203; p. 423.
- Vermillion, Fredrick L., Springfield, Ill. Machine for printing photographic negatives. No. 1,086,487; Feb. 10; Gaz. vol. 199; p. 362.
- Vermilya, Edgar L. (See Fowler and Vermilya.)
- Vermont Farm Machine Company. (See Kimball, Perley L., assignor.)
- Vernaz, Marcel. (See Pictet and Vernaz.)
- Vernaz, Marcel, Annemasse, France, and P. Pictet, Geneva, Switzerland. Internal-combustion engine. No. 1,105,471; July 28; Gaz. vol. 204; p. 1267.
- Verner, Hamilton T., Charlotte, N. C., and C. C. Ranson, Richmond, Va. Pawl-and-ratchet mechanism. No. 1,106,995; Aug. 11; Gaz. vol. 205; p. 535.
- Verneuil, Egiste, assignor to Societe Henri Gras & Cie., Paris, France. Safety-plug for vessels containing inflammable liquids. No. 1,102,559; July 7; Gaz. vol. 204; p. 118.
- Vernon, James M., Everett, Wash. Building construction. No. 1,096,773; May 12; Gaz. vol. 202; p. 578.
- Verret, Nicholas J., Memphis, Tenn. Illuminating-lamp. No. 1,084,241; Jan. 13; Gaz. vol. 198; p. 358.
- Versluis, August J., Moline, assignor of one-half to A. Burrall, Rock Island, Ill. Pot or pail cover. No. 1,122,557; Dec. 29; Gaz. vol. 209; p. 1429.
- Verstraelen, Michael, Inglewood, assignor of one-half to J. H. Burton, Oceanpark, Cal. Note-sheet controller. No. 1,102,969; July 7; Gaz. vol. 204; p. 258.
- Vertunni, Joseph, and A. T. Orelli, Long Beach, Cal. Shearing-machine. No. 1,122,558; Dec. 29; Gaz. vol. 209; p. 1428.
- Ves-Tong Mfg. Co. (See Fuiks, Samuel J., assignor.)
- Vesper, Ora J., Ashland, Ohio. Molding-machine. No. 1,098,194; May 26; Gaz. vol. 202; p. 1164.
- Vest, Eugene W., Tacoma, Wash. Water-heater for ranges, &c. No. 1,121,693; Dec. 22; Gaz. vol. 209; p. 1092.
- Vest, Eugene W., Mulberry Grove, Ill., assignor to Majestic Mfg. Co., St. Louis, Mo. Range. No. 1,121,152; Dec. 15; Gaz. vol. 209; p. 870.
- Vesta Accumulator Co. (See Perry, Ward S., assignor.)
- Vesta Manufacturing Co. (See Cobb, George B., Jr., assignor.)
- Vesta Manufacturing Company. (See Newell, George T., Jr., assignor.)
- Vetter, Charles L., Philadelphia, Pa. Sliding bottom for incubators. No. 1,109,269; Sept. 1; Gaz. vol. 206; p. 146.
- Vetter, Otto, Seattle, Wash. Gage. No. 1,090,432; Mar. 17; Gaz. vol. 200; p. 695.
- Vetvick, Albert J., Foley, Minn. Hoisting-machine. No. 1,091,605; Mar. 31; Gaz. vol. 200; p. 1168.
- Via, William F., Huntington, W. Va. Automobile-brake. No. 1,088,248; Feb. 24; Gaz. vol. 199; p. 1070.
- Viall, William G., Bridgeport, Conn. Fan-wheel. No. 1,096,079; May 12; Gaz. vol. 202; p. 344.
- Viard, Antoine, Bron, France. Metal receptacle. No. 1,113,265; Oct. 13; Gaz. vol. 207; p. 340.
- Viard, Louis E., Bar-sur-Seine, France. Internal-combustion engine. No. 1,090,894; Mar. 24; Gaz. vol. 200; p. 882.
- Vibber, Wheeler H., New London, Conn. Suspension-box fitting for electric installation. No. 1,104,395; July 21; Gaz. vol. 204; p. 841.
- Vibber, Wheeler H., assignor of one-half to The Gillette-Vibber Co., New London, Conn. Pipe-conduit fitting for electric installation. No. 1,101,892; June 30; Gaz. vol. 203; p. 1396.
- Vick, John, Afognak, Alaska. Fish-float. No. 1,115,752; Nov. 3; Gaz. vol. 208; p. 97.
- Vickers, Austin, Asbury Park, N. J. Undergarment. No. 1,104,584; July 21; Gaz. vol. 204; p. 909.
- Vickers, Edwin J., New Comerstown, Ohio. Account-file. No. 1,093,956; Apr. 21; Gaz. vol. 201; p. 699.
- Vickers, James F., Colusa, Cal. Fire-escape. No. 1,110,169; Sept. 8; Gaz. vol. 206; p. 508.
- Vickers Limited. (See Bourcier, Gabriel, assignor.)
- Vickers Limited. (See Dawson and Buckham, assignors.)
- Vickers Limited. (See Dawson and Horne, assignors.)
- Vickers Limited. (See Elia, Giovanni E., assignor.)
- Vickers Limited. (See Smith, Franklin E., assignor.)
- Vickers, Roy H., Fayetteville, Ark. Electric switch and locking means therefor. No. 1,086,249; Feb. 3; Gaz. vol. 199; p. 236.
- Vickers, Theodore W., Silver Peak, Nev. Repair device for pneumatic tires. No. 1,115,622; Nov. 3; Gaz. vol. 208; p. 52.
- Vickery, Frederick W., London, England. Sheet-delivery mechanism. No. 1,106,261; Aug. 4; Gaz. vol. 205; p. 233.
- Vickery, Frederick W., London, England. Sheet cutting, laying, and like machine. No. 1,118,831; Nov. 24; Gaz. vol. 208; p. 1291.
- Vickery, Frederick W., assignor to Vickers Patents Limited, London, England. Paper-cutting machine. No. 1,109,489; Sept. 1; Gaz. vol. 206; p. 223.
- Vickers Patents Limited. (See Vickery, Frederick W., assignor.)
- Victel, Olaf A., Granville, N. D. Vehicle spring and shock-absorber. No. 1,105,726; Aug. 4; Gaz. vol. 205; p. 50.
- Victor Acetylene Supply Company. (See Wheatley and Larmon, assignors.)
- Victor, Alexander F., Davenport, Iowa. Picture-projecting machine. No. 1,084,678; Jan. 20; Gaz. vol. 198; p. 529.
- Victor, Alexander F., Davenport, Iowa. Picture-record for display-machines. No. 1,096,873; May 19; Gaz. vol. 202; p. 657.
- Victor, Birt, Pascagoula, Miss. Reinforced-concrete sheet-pile. No. 1,083,570; Jan. 6; Gaz. vol. 198; p. 103.
- Victor Chemical Works. (See Holbrook, Robert A., assignor.)
- Victor Jar Company, The. (See Elchhorn, Jacob C., assignor.)
- Victor Railway Supply Company. (See Streeter, Alfred L., assignor.)
- Victor Safe & Lock Co., The. (See Haustetter, Alfred P., assignor.)
- Victor Safe & Lock Co., The. (See Spivey, Thomas S., assignor.)
- Victor Shaw Ring Traveler Company. (See Lancaster, Wilger T., assignor.)
- Victor Specialty Company, The. (See Kidder, Arthur B., assignor.)
- Victor Talking Machine Company. (See Börsöny, Armin, assignor.)
- Victor Talking Machine Company. (See Dennison, Wilburn N., assignor.)
- Victor Talking Machine Company. (See English, John C., assignor.)
- Victor Talking Machine Company. (See Johnson, Eldridge R., assignor.)
- Victor Talking Machine Company. (See Owen and Hewitt, assignors.)
- Victor Typewriter Company. (See Campbell, George W., assignor.)
- Victor Typewriter Company. (See Hulse, William H., assignor.)
- Vidar, John L., Los Angeles, Cal. Compressor for ammonia systems. No. 1,120,635; Dec. 8; Gaz. vol. 209; p. 640.

Alphabetical list of patentees—Continued.

- Videbak, Hans, assignor of one-half to N. P. P. Palleson, Calgary, Alberta, Canada. Automatic air and steam coupling attachment for railway-cars. No. 1,084,586; Jan. 13; Gaz. vol. 198; p. 470.
- Vieau, Arthur E. (See Bissell and Vieau.)
- Vieira, Joseph, Arcata, Cal. Soil-pulverizer. No. 1,112,499; Oct. 6; Gaz. vol. 207; p. 30.
- Vielberth, Franz, Nuremberg, Germany. Roller-bearing. No. 1,109,490; Sept. 1; Gaz. vol. 206; p. 223.
- Vierengel, Matthew, Brooklyn, N. Y. Printing-press. No. 1,087,473; Feb. 17; Gaz. vol. 199; p. 756.
- Vierengel, Matthew, Brooklyn, N. Y. Closure-flap for envelopes. No. 1,112,178; Sept. 29; Gaz. vol. 206; p. 1325.
- Vierengel, Matthew, Brooklyn, N. Y., assignor to Samuel Cupples Envelope Company, St. Louis, Mo. Machine for making window-envelope blanks. No. 1,104,026; July 21; Gaz. vol. 204; p. 714.
- Viers, Arthur, and R. D. Scott, Red Lodge, Mont. Fishing-tackle. No. 1,110,246; Sept. 8; Gaz. vol. 206; p. 534.
- Vietze, Hans. (See Fanta, Regal, Vietze, and Wessely.)
- Viger, George H., Montreal, Quebec, Canada. Reducing-valve. No. 1,108,950; Sept. 1; Gaz. vol. 206; p. 32.
- Vignos, Augustus. (See Grahmann, Otto, assignor.)
- Vignos, Charles. (See Meyers, Louis J., assignor.)
- Vilg, Anders, Christiania, Norway. Steelyard dairy-scale. No. 1,106,528; Aug. 11; Gaz. vol. 205; p. 373.
- Vilkie, Joseph E., Titusville, Pa. Nut-lock. No. 1,090,662; Mar. 17; Gaz. vol. 200; p. 774.
- Villard, Richard H., assignor of one-half to W. E. Armistead, Atlanta, Ga. Ball-bearing hanger. No. 1,083,780; Jan. 6; Gaz. vol. 198; p. 172.
- Villarejo, Oscar F., Milwaukee, Wis. Lamp attachment for firearms. No. 1,120,769; Dec. 15; Gaz. vol. 209; p. 734.
- Villiers, Edward C., Faversham, England. Leak-stopper. No. 1,122,047; Dec. 22; Gaz. vol. 209; p. 1217.
- Vim Motion Picture Company. (See Duhem, Victor L., assignor.)
- Vincent-Alward Company, The. (See Rhenstrom, Anthony, assignor.)
- Vincent, Harry S., Ridgewood, N. J. Circulating-tube for steam-boilers. No. 1,097,830; May 26; Gaz. vol. 202; p. 1036.
- Vincent, Louis N., Prescott, Ariz. Drain-valve. No. 1,091,463; Mar. 24; Gaz. vol. 200; p. 1073.
- Vincent, Louis N., Prescott, Ariz. Grease-cup. No. 1,115,623; Nov. 3; Gaz. vol. 208; p. 52.
- Vincent, Odeode, Leroy, La. Nut-lock. No. 1,089,607; Mar. 10; Gaz. vol. 200; p. 368.
- Vincent, Pywell, Portland, Me. Window-screen. No. 1,107,385; Aug. 18; Gaz. vol. 205; p. 721.
- Vincent, Sheridan, Los Angeles, Cal. Rotary internal-combustion engine. No. 1,112,734; Oct. 6; Gaz. vol. 207; p. 115.
- Vincent, Timothy D., Pittsburgh, Pa. Lawn-mower. No. 1,115,350; Oct. 27; Gaz. vol. 207; p. 1164.
- Vincent, William W., and D. Travis, assignors to The Simmons Manufacturing Company, Kenosha, Wis. Folding-couch attachment. No. 1,096,209; May 12; Gaz. vol. 202; p. 387.
- Vines, Ouse B., Rochelle, La. Rail. No. 1,117,111; Nov. 10; Gaz. vol. 208; p. 611.
- Viney, George, Pittsburgh, Pa. Fluid-cooler. No. 1,086,425; Feb. 10; Gaz. vol. 199; p. 340.
- Vingum, Martin J., Stoughton, Wis., assignor to Moline Plow Company. Manure-spreader. No. 1,102,462; July 7; Gaz. vol. 204; p. 85.
- Vinnemeier, Gerhard, Claremore, Okla. Photographic-printing machine. No. 1,091,099; Mar. 24; Gaz. vol. 200; p. 954.
- Vinquist, Charles R., Denver, Colo. Strainer. No. 1,088,307; Feb. 24; Gaz. vol. 199; p. 1091.
- Vinquist, Charles R., Denver, Colo. Automatic vestibule-curtain holder. No. 1,092,190; Apr. 7; Gaz. vol. 201; p. 23.
- Vinson, Bird G., Roseburg, Oreg. Rail-torpedo. No. 1,085,830; Feb. 3; Gaz. vol. 199; p. 89.
- Vinto, William H. (See Bell and Vinto.)
- Vinton, Squire A., Okolona, Miss. Game apparatus. No. 1,086,959; Feb. 10; Gaz. vol. 199; p. 526.
- Vinton, Trout & Wheeler. (See Trout, Philip H., assignor.)
- Violet, William H., Rifle, Colo. Wheeled scraper. No. 1,106,170; Aug. 4; Gaz. vol. 205; p. 204.
- Vioran, Raoul L., Chicago, Ill. Sanitary cuspidor. No. 1,103,636; July 14; Gaz. vol. 204; p. 540.
- Viragh, Stephen, Swissvale, Pa. Reversible window-sash. No. 1,087,202; Feb. 17; Gaz. vol. 199; p. 659.
- Viragh, Stephen, Swissvale, Pa. Sash-holder. No. 1,114,827; Oct. 27; Gaz. vol. 207; p. 981.
- Viragh, Stephen, Swissvale, Pa. Pivoted window. No. 1,115,753; Nov. 3; Gaz. vol. 208; p. 97.
- Virck, Paul. (See Heimann and Virck.)
- Virginia Laboratory Company. (See Kügelgen, Bidder, and Seward, assignors.)
- Virginia Laboratory Company. (See Seward and Kügelgen, assignors.)
- Virginia Refrigerator Corporation. (See Coleman, Clyde J., assignor.)
- Virginia Trunk and Bag Company. (See Plummer and Witherspoon, assignor.)
- Virtue, Dennis E., Owatonna, Minn. Silo. No. 1,093,898; Apr. 21; Gaz. vol. 201; p. 679.
- Visel, Adolf, assignor of one-half to S. W. Leeming, Milwaukee, Wis. Artificial arm. No. 1,111,508; Sept. 22; Gaz. vol. 206; p. 1057.
- Vissering, Harry, assignor to Harry Vissering & Company, Chicago, Ill. Track-sanding apparatus. No. 1,109,092; Sept. 1; Gaz. vol. 206; p. 83.
- Vissering, Harry, assignor to Harry Vissering and Company, Chicago, Ill. Trap for sander devices. No. 1,109,093; Sept. 1; Gaz. vol. 206; p. 84.
- Vissering, Harry, assignor to Harry Vissering and Company, Chicago, Ill. Lubricator. No. 1,119,902; Dec. 8; Gaz. vol. 209; p. 380.
- Vissering, Harry, assignor to Harry Vissering and Company, Chicago, Ill. Fastener for car-doors. No. 1,119,903; Dec. 8; Gaz. vol. 209; p. 380.
- Vissering, Harry, assignor to Harry Vissering and Company, Chicago, Ill. Angle-cock holder. No. 1,119,904; Dec. 8; Gaz. vol. 209; p. 381.
- Vissering, Harry, Chicago, and P. Carpenter, Glenview, Ill., assignors to W. S. Murrian, trustee, Knoxville, Tenn. Valve-gear for steam-engines. No. 1,103,110; July 14; Gaz. vol. 204; p. 356.
- Vita, Charles. (See Lichtenstein and Vita.)
- Vitali, Frank, Healdsburg, Cal. Tire-sleeve. No. 1,114,556; Oct. 20; Gaz. vol. 207; p. 835.
- Vite-A-Type Company. (See Brand, William E., assignor.)
- Viz, Elemér, Kosd, and J. Muslay, Budapest, Austria-Hungary. Heat-generator. No. 1,092,312; Apr. 7; Gaz. vol. 201; p. 66.
- Vobach, Herman E., Lyndon Station, Wis. Vehicle-wheel. No. 1,119,129; Dec. 1; Gaz. vol. 209; p. 80.
- Vodoz, Frederick W., Chicago, Ill. Power-transmission gearing. No. 1,091,606; Mar. 31; Gaz. vol. 200; p. 1168.
- Voegeli, Frederick B., Mansfield, Mass. Life-saving suit. No. 1,113,074; Oct. 6; Gaz. vol. 207; p. 228.
- Voegeli, Frederick B., Mansfield, Mass. Washing-machine. No. 1,117,112; Nov. 10; Gaz. vol. 208; p. 611.
- Voelker, August, Beuel, near Bonn, Germany. Producing hollow quartz bodies. No. 1,107,386; Aug. 18; Gaz. vol. 205; p. 721.
- Voelker, August, Beuel, near Bonn, Germany. Producing transparent quartz. No. 1,107,387; Aug. 18; Gaz. vol. 205; p. 722.
- Voelpel, Charles W., E. R. Connor, Port Richmond, and J. M. Connor, New York, N. Y. Game apparatus. No. 1,116,769; Nov. 10; Gaz. vol. 208; p. 492.
- Voelpel, Daniel, Brooklyn, N. Y. Truss. No. 1,098,599; June 2; Gaz. vol. 203; p. 84.
- Voelpel, John F. (See Burke and Voelpel.)
- Vogan, Frank M., Canton, Ohio. Roofing-tile. No. 1,101,591; June 30; Gaz. vol. 203; p. 1293.
- Vogel, Charles H., Vancouver, British Columbia, Canada, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,100,410; June 16; Gaz. vol. 203; p. 783.
- Vogel, Charles H., Vancouver, British Columbia, Canada, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,100,795; June 23; Gaz. vol. 203; p. 966.
- Vogel, Charles H., Vancouver, British Columbia, Canada, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,101,108; June 23; Gaz. vol. 203; p. 1076.
- Vogel, Eugene W., assignor to The Railroad Supply Company, Chicago, Ill. Electromagnetic bell. No. 1,091,548; Mar. 31; Gaz. vol. 200; p. 1148.
- Vogel, Felix, Altona, Germany. Shoe-stretcher. No. 1,101,221; June 23; Gaz. vol. 203; p. 1115.
- Vogel, Frederick M., Pittsfield, Mass., assignor to General Electric Company. Heating device. No. 1,120,987; Dec. 15; Gaz. vol. 209; p. 809.
- Vogel, John, Zeeland, Mich. Perpetual calendar. No. 1,083,381; Jan. 6; Gaz. vol. 198; p. 40.
- Vogel, Joseph F., New York, N. Y. Wrist supporting and guiding attachment for pianos and the like. No. 1,112,735; Oct. 6; Gaz. vol. 207; p. 115.
- Vogel, Joseph F., New York, N. Y. Bracket. No. 1,112,736; Oct. 6; Gaz. vol. 207; p. 115.
- Vogel, Joseph J., Springfield, Minn. Corking-machine. No. 1,105,115; July 28; Gaz. vol. 204; p. 1139.
- Vogel, Joshua F., assignor to Gendron Wheel Company, Toledo, Ohio. Steering-gear. No. 1,109,718; Sept. 8; Gaz. vol. 206; p. 346.
- Vogel, Kurt A., Chicago, Ill. Razor-sharpening machine. No. 1,097,953; May 26; Gaz. vol. 202; p. 1081.
- Vogel, Orville A., Gallup, N. Mex. Repeating rifle. No. 1,103,715; July 14; Gaz. vol. 204; p. 568.
- Vogel, William C., Chicago, Ill. Piano-action. No. 1,121,312; Dec. 15; Gaz. vol. 209; p. 923.
- Voglesong, Charles C., Oakland, Cal. Automatic weighing apparatus. No. 1,083,959; Jan. 13; Gaz. vol. 198; p. 260.
- Voglesong, Clyde C., Oakland, Cal. Change-making machine. No. 1,092,313; Apr. 7; Gaz. vol. 201; p. 67.
- Vogt, Adelbert F., Detroit, Mich. Attachment for animal-traps. No. 1,092,612; Apr. 7; Gaz. vol. 201; p. 169.
- Vogt, Axel S., Altoona, Pa. Piston-rod. No. 1,112,737; Oct. 6; Gaz. vol. 207; p. 116.

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- Vogt, George E., Tallmadge, Ohio. Heating-tool. No. 1,107,188; Aug. 11; Gaz. vol. 205; p. 603.
- Vogt, Ira H., Dayton, Ohio. Galley-lock. No. 1,113,517; Oct. 13; Gaz. vol. 207; p. 430.
- Vogt, Jacob, New Rochelle, N. Y. Hoof-pad. No. 1,121,694; Dec. 22; Gaz. vol. 209; p. 1092.
- Vogt, Lewis G., and J. H. Kundert, Delphos, Ohio. Corn-planter. No. 1,095,754; May 5; Gaz. vol. 202; p. 199.
- Vogtländische Maschinen-Fabrik (vormals J. C. & H. Dietrich) Aktiengesellschaft. (See Egli, Arnold, assignor.)
- Voight, George F., San Francisco, Cal. Lubricating device for springs. No. 1,084,181; Jan. 13; Gaz. vol. 198; p. 337.
- Voight, Henry G., New Britain, Conn. Controlling and locking means for sectional sliding doors. No. 1,083,960; Jan. 13; Gaz. vol. 198; p. 260.
- Voight, Henry G., New Britain, Conn. Controlling means for sliding doors. No. 1,083,961; Jan. 13; Gaz. vol. 198; p. 260.
- Voight, Henry G., New Britain, Conn. Door-controlling means. No. 1,083,962; Jan. 13; Gaz. vol. 198; p. 261.
- Voight, Henry G., New Britain, Conn. Door-controlling means. No. 1,083,963; Jan. 13; Gaz. vol. 198; p. 261.
- Voight, Henry G., New Britain, Conn. Door closer and check. No. 1,085,070; Jan. 20; Gaz. vol. 198; p. 662.
- Voight, Henry G., New Britain, Conn. Controlling means for multiple-section sliding doors. No. 1,085,071; Jan. 20; Gaz. vol. 198; p. 662.
- Voight, Henry G., New Britain, Conn. Controlling means for multiple-section sliding doors. No. 1,085,072; Jan. 20; Gaz. vol. 198; p. 662.
- Voight, Henry G., New Britain, Conn. Controlling means for multiple sliding doors. No. 1,085,073; Jan. 20; Gaz. vol. 198; p. 663.
- Voight, Henry G., New Britain, Conn. Door-controlling means. No. 1,087,075; Feb. 10; Gaz. vol. 199; p. 563.
- Voight, Henry G., New Britain, Conn. Door-check. No. 1,090,804; Mar. 17; Gaz. vol. 200; p. 819.
- Voight, Henry G., New Britain, Conn. Lock construction. No. 1,093,809; Apr. 21; Gaz. vol. 201; p. 649.
- Voight, Henry G., New Britain, Conn. Lock mechanism. No. 1,093,810; Apr. 21; Gaz. vol. 201; p. 649.
- Voight, Henry G., New Britain, Conn. Cylinder-lock mechanism. No. 1,093,811; Apr. 21; Gaz. vol. 201; p. 650.
- Voight, Henry G., New Britain, Conn. Door closer and check. No. 1,097,604; May 19; Gaz. vol. 202; p. 912.
- Voight, Henry G., New Britain, Conn. Door-closer. No. 1,097,605; May 19; Gaz. vol. 202; p. 913.
- Voight, Henry G., New Britain, Conn. Operating and locking means for sectional sliding doors. No. 1,097,606; May 19; Gaz. vol. 202; p. 913.
- Voight, Henry G., New Britain, Conn. Door-knob. No. 1,100,636; June 16; Gaz. vol. 203; p. 856.
- Voight, Henry G., New Britain, Conn. Door operating and locking device. No. 1,112,342; Sept. 29; Gaz. vol. 206; p. 1383.
- Voight, Henry G., assignor to The American Hardware Corporation, New Britain, Conn. Pintle for hinges. No. 1,097,741; May 26; Gaz. vol. 202; p. 1005.
- Voight, Henry G., assignor to The American Hardware Corporation, New Britain, Conn. Lock mechanism. No. 1,099,105; June 2; Gaz. vol. 203; p. 249.
- Voight, Henry G., assignor to The American Hardware Corporation, New Britain, Conn. Lock. No. 1,105,167; July 28; Gaz. vol. 204; p. 1157.
- Voight, Henry G., assignor to The American Hardware Corporation, New Britain, Conn. Holding and releasing device for doors. No. 1,107,388; Aug. 18; Gaz. vol. 205; p. 722.
- Voight, Henry G., assignor to The American Hardware Corporation, New Britain, Conn. Door-controlling means for elevators. No. 1,108,481; Aug. 25; Gaz. vol. 205; p. 1152.
- Voight, Henry G., assignor to The American Hardware Corporation, New Britain, Conn. Cylinder-lock construction. No. 1,115,040; Oct. 27; Gaz. vol. 207; p. 1057.
- Voigt, Adolf, Giessen, Germany. Explosive. No. 1,095,302; May 5; Gaz. vol. 202; p. 44.
- Voigt, Albert, New York, N. Y. Locking device for sliding doors. No. 1,112,738; Oct. 6; Gaz. vol. 207; p. 116.
- Voigt, Gustav A., Los Angeles, Cal. Gun-sight. No. 1,111,332; Sept. 22; Gaz. vol. 206; p. 997.
- Voigt, Max E., assignor to The English & Mersick Co., New Haven, Conn. Latch for vehicle-doors. No. 1,098,926; June 2; Gaz. vol. 203; p. 194.
- Voigt, Philip H., and O. C. Kuehne, Houston, Tex. Wind-ing-drum. No. 1,111,333; Sept. 22; Gaz. vol. 206; p. 997.
- Voigtmann & Company. (See Iman, Orla H., assignor.)
- Voigtmann, Frank, Chicago, Ill. Fusible link. No. 1,116,518; Nov. 10; Gaz. vol. 208; p. 402.
- Vojichoski, Felix, Menominee township, Menominee county, Mich. Endless-chain seeder and planter. No. 1,084,768; Jan. 20; Gaz. vol. 198; p. 562.
- Volby, Gustav A., Williston, N. D. Traction-wheel. No. 1,118,164; Nov. 24; Gaz. vol. 208; p. 1059.
- Volckmann, Hugo, assignor to Washington Cutlery Company, Watertown, Wis. Grass-hook. No. 1,091,549; Mar. 31; Gaz. vol. 200; p. 1149.
- Vold, Lars H., Westville, N. J., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Means for eliminating vibrations in rotary shafts. No. 1,107,731; Aug. 18; Gaz. vol. 205; p. 844.
- Vold, Ole G., Dawson, Minn. Seed-corn crate and drier. No. 1,108,412; Aug. 25; Gaz. vol. 205; p. 1127.
- Voldsness, Oscar H., Elewa, Wis. Mail-delivery apparatus. No. 1,086,798; Feb. 10; Gaz. vol. 199; p. 472.
- Volkenborn, Paul, Cologne-Ehrenfeld, Germany. Double skip or kibble for automatically receiving loose material. No. 1,103,387; July 14; Gaz. vol. 204; p. 450.
- Völker, Wendelin, Wiesbaden-Sonnenberg, Germany. Automatic means for lubricating pumps. No. 1,084,769; Jan. 20; Gaz. vol. 198; p. 562.
- Volkers, James, Loran township, Stephenson county, Ill. Swinging gate. No. 1,115,624; Nov. 3; Gaz. vol. 208; p. 53.
- Volkman, Charles, assignor to Universal Butter Machine Company, Chicago, Ill. Sanitary butter making and molding machine. No. 1,117,283; Nov. 17; Gaz. vol. 208; p. 712.
- Volkman, Paul, Leverkusen, near Cologne, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Yellow azo dyestuffs. No. 1,098,600; June 2; Gaz. vol. 203; p. 84.
- Volkmar Auto Starter Company. (See Volkmar, Bernhard, assignor.)
- Volkmar, Bernhard, New York, N. Y., assignor to Volkmar Auto Starter Company. Starter for internal-combustion engines. No. 1,097,898; May 26; Gaz. vol. 202; p. 1061.
- Volkmar, Bernhard, New York, N. Y., assignor to Volkmar Auto Starter Company. Starter for internal-combustion engines. No. 1,097,899; May 26; Gaz. vol. 202; p. 1062.
- Vollbrecht, Frederick A., Detroit, Mich. Manifold-heater. No. 1,089,884; Mar. 10; Gaz. vol. 200; p. 462.
- Völler, Karl, Dusseldorf, Germany. Field-gun carriage. No. 1,090,767; Mar. 17; Gaz. vol. 200; p. 807.
- Völler, Karl, Dusseldorf, Germany. Gun adapted preferably for use in submarine boats. No. 1,093,504; Apr. 14; Gaz. vol. 201; p. 504.
- Völler, Karl, Dusseldorf, Germany. Gun adapted preferably for use in submarine boats. No. 1,095,049; Apr. 28; Gaz. vol. 201; p. 1134.
- Völler, Karl, Dusseldorf, Germany. Tangent sight for guns. No. 1,101,362; June 23; Gaz. vol. 203; p. 1162.
- Völler, Karl, Dusseldorf, Germany. Mounting gun-carriage spades. No. 1,108,032; Aug. 18; Gaz. vol. 205; p. 948.
- Völler, Karl, Dusseldorf, Germany. Limber-hook. No. 1,119,667; Dec. 1; Gaz. vol. 209; p. 264.
- Völler, Karl, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Ammunition-wagon. No. 1,088,047; Feb. 24; Gaz. vol. 199; p. 1002.
- Völler, Karl, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Sighting apparatus for ordnance. No. 1,088,191; Feb. 24; Gaz. vol. 199; p. 1051.
- Völler, Karl, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Means for removing ammunition-shells. No. 1,088,490; Feb. 24; Gaz. vol. 199; p. 1150.
- Völler, Karl, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Sighting device for guns. No. 1,095,048; Apr. 28; Gaz. vol. 201; p. 1133.
- Völler, Karl, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Setting-key for fuses. No. 1,104,585; July 21; Gaz. vol. 204; p. 909.
- Völler, Karl, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Device for automatically opening the breech of a gun with a recoiling barrel. No. 1,108,530; Aug. 25; Gaz. vol. 205; p. 1170.
- Völler, Karl, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Gun-carriage. No. 1,112,951; Oct. 6; Gaz. vol. 207; p. 188.
- Völler, Karl, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Gun-carriage. No. 1,119,629; Dec. 1; Gaz. vol. 209; p. 251.
- Völler, Karl, and E. Steinhart, Dusseldorf, assignors to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Spring-coupling. No. 1,091,989; Mar. 31; Gaz. vol. 200; p. 1301.
- Völler, Karl, and E. Müller, Dusseldorf, assignors to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Protective shield for guns. No. 1,096,653; May 12; Gaz. vol. 202; p. 539.
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- Vollrath, Carl A. W., assignor to The Jacob J. Vollrath Manufacturing Company, Sheboygan, Wis. Composition for producing speckled enamel. No. 1,119,905; Dec. 8; Gaz. vol. 209; p. 381.
- Vollrath, Edward, *et al.* (See Crooks, Earl G., assignor.)
- Volp, John, Grove City, assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Fire-resisting shutter or curtain. No. 1,095,152; Apr. 28; Gaz. vol. 201; p. 1169.
- Volz, Joseph, Englevalle, N. D. Inkstand. No. 1,093,505; Apr. 14; Gaz. vol. 201; p. 504.
- Volz, William E. (See Rumble and Volz.)
- Von Barth, Arthur, New York, N. Y. Wage-paying machine or the like. No. 1,114,828; Oct. 27; Gaz. vol. 207; p. 981.
- Von der Linde, Gustav, St. Tonis, near Crefeld, Germany. Obtaining the tin from waste tinned metal. No. 1,116,176; Nov. 3; Gaz. vol. 208; p. 243.
- Von der Malsburg, Karol, Dublany, near Lemberg, Austria-Hungary. Apparatus for pulling tree-stumps out of the ground. No. 1,096,874; May 19; Gaz. vol. 202; p. 657.
- Von Dorn, Calvin W., Albuquerque, N. Mex., assignor of one-third to C. K. Schafer, Naco, Ariz. Fly-trap. No. 1,089,513; Mar. 10; Gaz. vol. 200; p. 336.
- Von Drak, Charles H. (See Hannon and Von Drak.)
- Von Hassel, Georg M., New York, N. Y., assignor, by mesne assignments, to American Suspension Railways Company, Dover, Del. Suspension-railway without traction-cable. No. 1,122,000; Dec. 22; Gaz. vol. 209; p. 1200.
- Von Hohenstein, Charles H., San Antonio, Tex. Liquid-hydrocarbon burner. No. 1,111,509; Sept. 22; Gaz. vol. 206; p. 1057.
- Von Holdt, Norbert W., Chicago, Ill. Ruling device. No. 1,118,082; Nov. 24; Gaz. vol. 208; p. 1032.
- Von Moos, George F., Chicago, Ill., assignor of one-third to E. G. Siggers, Washington, D. C. Automobile cover-adjuster. No. 1,108,951; Sept. 1; Gaz. vol. 206; p. 33.
- Von Pagenhardt, Maximilian, Kansas City, Mo. Steam-generator. No. 1,111,176; Sept. 22; Gaz. vol. 206; p. 944.
- Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,096,973; May 19; Gaz. vol. 202; p. 693.
- Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Printing cash-register. No. 1,115,626; Nov. 3; Gaz. vol. 208; p. 53.
- Von Schluembach, Adolph, Altoona, Pa. Folding crate or box. No. 1,111,407; Sept. 22; Gaz. vol. 206; p. 1022.
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- Von Zepel, Philip, Duquesne, Pa. Grate for furnaces. No. 1,105,054; July 28; Gaz. vol. 204; p. 1119.
- Vondrachek, Louis F. E., Valley City, N. D. Motor-driven vehicle. No. 1,107,563; Aug. 18; Gaz. vol. 205; p. 785.
- Voorhees, John R., Cedar Falls, Iowa. Friction-clutch. No. 1,091,783; Mar. 31; Gaz. vol. 200; p. 1231.
- Voorhees, John R., Cedar Falls, Iowa. Dredging device. No. 1,095,303; May 5; Gaz. vol. 202; p. 44.
- Voris, Anthony, New York, N. Y. Photographic camera. No. 1,108,033; Aug. 18; Gaz. vol. 205; p. 948.
- Vosburgh, Henry E. (See Hoag and Vosburgh.)
- Vosper, William W., assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio. Pipe threading and cutting apparatus. No. 1,084,118; Jan. 13; Gaz. vol. 198; p. 315.
- Voss, Adolph G., Chicago, Ill. Computing-machine. No. 1,090,252; Mar. 17; Gaz. vol. 200; p. 632.
- Voss, Carl, Newark, N. J. Leather rolling and embossing machine. No. 1,090,433; Mar. 17; Gaz. vol. 200; p. 696.
- Voss, Otto, Summerville, S. C. Hat-fastener. No. 1,093,747; Apr. 21; Gaz. vol. 201; p. 629.
- Voss, Simon B., Hartly, Del. Flying-machine. No. 1,097,489; May 19; Gaz. vol. 202; p. 873.
- Voss, William H., Davenport, Iowa. Mechanical movement for wringers. No. 1,089,733; Mar. 10; Gaz. vol. 200; p. 411.
- Voss, William H., Davenport, Iowa. Washing-machine and gear. No. 1,108,531; Aug. 25; Gaz. vol. 205; p. 1170.
- Voss, Willis M., assignor of one-half to F. J. Cortina, Tampa, Fla. Signaling apparatus for vehicles. No. 1,121,424; Dec. 15; Gaz. vol. 209; p. 962.
- Vosseler, William, Cincinnati, Ohio. Liquid-cooler. No. 1,099,329; June 9; Gaz. vol. 203; p. 373.
- Vöster, Fritz, and M. Jungbauer, Augsburg, Germany, assignors to Cook and Co., Manchester, England. Carding-engine. No. 1,103,231; July 14; Gaz. vol. 204; p. 399.
- Votey, Edwin S., Summit, N. J. Combined player-piano and phonograph. No. 1,119,906; Dec. 8; Gaz. vol. 209; p. 381.
- Votteler, Julius. (See Heldmann, Peter, assignor.)
- Vredenburgh, Peter, Jr. (See Coleman, Thomas A., assignor.)
- Vreeland, Henry A. (See Moore, Herbert L. G., assignor.)
- Vreeland, Walter G. (See Kibele and Vreeland.)
- Vroman, Smith, assignor to S. A. Guiberson, Jr., San Francisco, Cal. Well-casing spear. No. 1,091,100; Mar. 24; Gaz. vol. 200; p. 955.
- Vroom, Oler P., Linneus, Mo. Automatic harness-hook. No. 1,100,637; June 16; Gaz. vol. 203; p. 856.
- Vulcan Box Toe Process Co., The. (See Clausing, George, assignor.)
- Vulcan Box Toe Process Co., The. (See Youngman and Drenan, assignors.)
- Vulcan Coil Co. (See Seeley, James E., assignor.)
- Vulcan Detinning Company. (See Wolff, Paul, assignor.)
- W. Eddy Plow Company. (See Eddy, Oscar H., assignor.)
- W. A. Plummer Manufacturing Company. (See Blake, George H., assignor.)
- W. B. Turner Machine Company. (See Turner, William B., assignor.)
- W. C. Edge Jewelry Company, The. (See Miller, Henry, assignor.)
- W. C. Meadows Mill Co. (See Moore, James D., assignor.)
- W. C. Ritchie & Company. (See Milmo, Michael J., assignor.)
- W. C. Ritchie & Company. (See Traver, Horace B., assignor.)
- W. D. Allen Manufacturing Company. (See Gibbs, Henry, assignor.)
- W. G. Browne Mfg. Co. (See Sweeney, John T., assignor.)
- W. H. Bundy Recording Company. (See Bundy, Willard H., assignor.)
- W. H. Miner Company. (See O'Connor, Martin A., assignor.)
- W. H. Mullins Company, The. (See Miller, Uriah R., assignor.)
- W. J. Clark Company, The. (See Clark, William H. and W. J., assignors.)
- W. J. Hoar Shoe Manufacturing Co. (See Hoar, Walter J., assignor.)
- W. & L. E. Gurley. (See Hess, Wendell, Jr., assignor.)
- W. N. Durant Co. (See Julian, Charles H., assignor.)
- W. S. Rockwell Company. (See Rockwell, Walter S., assignor.) (Reissue.)
- W. W. Kimball Company. (See Hiscock, Emory C., assignor.)
- W. W. Kimball Company. (See Kinder, Halsey G., assignor.)
- W. W. Sly Manufacturing Company, The. (See Reddy, Byron H., assignor.)
- W. W. Sly Manufacturing Company, The. (See Sly, William W. and W. C., assignors.)
- Wachs und Cerosinwerke zu Hamburg J. Schliekum & Co. (See Boyen, Edgar C. W. A. von, assignor.)
- Wachs, Walter G., and R. L. Gallup, Chicago, assignors to H. Molner, Cook county, Ill. Glass-convexing furnace. No. 1,118,976; Dec. 1; Gaz. vol. 209; p. 25.
- Wachtel, Charles, Brooklyn, assignor to Interstate Electric Novelty Co., New York, N. Y. Portable electric light. No. 1,122,446; Dec. 29; Gaz. vol. 209; p. 1389.
- Wachtel, Elmer, Los Angeles, Cal. Flying-machine. No. 1,115,041; Oct. 27; Gaz. vol. 207; p. 1058.
- Wachtelhausen, Henry, assignor to The Parker Clock Company, Meriden, Conn. Hair-spring regulator. No. 1,103,551; July 14; Gaz. vol. 204; p. 507.
- Wächter, Alfred, Zurich, Switzerland. Vane-wheel pump. No. 1,086,488; Feb. 10; Gaz. vol. 199; p. 362.
- Wachter, Frederick, assignor to Parke, Davis & Company, Detroit, Mich. Ampul-holder. No. 1,103,111; July 14; Gaz. vol. 204; p. 357.
- Wachter, Louis E. F., Hartford, Conn. Pendant-bow. No. 1,098,001; May 26; Gaz. vol. 202; p. 1099.
- Wächter, Richard, Dresden, Germany, assignor, by mesne assignments, to Sponge Rubber Inner Heel Company, New York, N. Y. Boot-ventilator. No. 1,113,266; Oct. 13; Gaz. vol. 207; p. 340.
- Wachter, William C., Medicine Lake, Mont. Straw-deck for separators. No. 1,114,073; Oct. 20; Gaz. vol. 207; p. 662.
- Wacker, Charles H. (See Wacker, Frederick G., assignor.)
- Wacker, Frederick G., assignor to C. H. Wacker, Chicago, Ill. Metallic-barrel-making machinery. No. 1,090,178; Mar. 17; Gaz. vol. 200; p. 606.
- Wacker, Frederick G., assignor to C. H. Wacker, Chicago, Ill. Apparatus for shaping metal articles. No. 1,111,198; Sept. 22; Gaz. vol. 206; p. 952.
- Wacker, George W., assignor to J. S. Bretz Company, New York, N. Y. Electric spark-producing apparatus. No. 1,083,964; Jan. 13; Gaz. vol. 198; p. 262.
- Wacker, George W., assignor to J. S. Bretz Company, New York, N. Y. Engine-starting spark-producing apparatus. No. 1,083,965; Jan. 13; Gaz. vol. 198; p. 262.
- Wacker, George W., East Orange, N. J., assignor to The Simms Magneto Company, New York, N. Y. Starter-switch for dual ignition systems. No. 1,089,167; Mar. 3; Gaz. vol. 200; p. 172.
- Wacker, William F., Sioux City, Iowa. Bell-ringing apparatus. No. 1,091,902; Mar. 31; Gaz. vol. 200; p. 1271.

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- Waddell, Alexander, Dunfermline, Scotland. Process and apparatus for the treatment of coal, shale, or the like in vertical retorts. No. 1,103,112; July 14; Gaz. vol. 204; p. 357.
- Waddell, Andrew L., Rectortown, assignor of one-half to A. L. Moffett, Plains, Va. Wrench. No. 1,098,195; May 26; Gaz. vol. 202; p. 1164.
- Waddell, Edward B., Jr., assignor of one-third to H. A. Goodloe and one-third to M. White, Williamson, W. Va. Automatic safety-valve. No. 1,093,899; Apr. 21; Gaz. vol. 201; p. 680.
- Waddell, Edward B., Jr., assignor of one-third to G. D. Poole and one-third to G. W. Brown, Williamson, W. Va. Wrench. No. 1,106,262; Aug. 4; Gaz. vol. 205; p. 234.
- Waddell, John F. (See Huggins and Waddell.)
- Waddell, John M., Greenfield, Ohio. Show-case. No. 1,112,500; Oct. 6; Gaz. vol. 207; p. 30.
- Waddell, William C., assignor to Hoynes Safety Powder Company, Cleveland, Ohio. Manufacturing explosive compounds. No. 1,105,864; Aug. 4; Gaz. vol. 205; p. 98.
- Waddell, William C., assignor to Hoynes Safety Powder Company, Cleveland, Ohio. Explosive compound. No. 1,105,865; Aug. 4; Gaz. vol. 205; p. 98.
- Waddelle, William B., Bethlehem, Md. Post. No. 1,097,110; May 19; Gaz. vol. 202; p. 741.
- Waddill, Frank H., New Orleans, La. Levee-reinforcement and making the same. No. 1,095,249; May 5; Gaz. vol. 202; p. 26.
- Wade, Charles E., Masonville, N. Y. Door-catch. No. 1,120,107; Dec. 8; Gaz. vol. 209; p. 451.
- Wade, Ernest M., Rock Ferry, England. Fountain or reservoir pen. No. 1,122,559; Dec. 29; Gaz. vol. 209; p. 1429.
- Wade, Frank H., Chicago, and W. E. Bauerle, Oak Park, Ill. Double-current generator. No. 1,097,742; May 26; Gaz. vol. 202; p. 1006.
- Wade, Henry C., assignor to Aqua Gas Company, New York, N. Y. Apparatus for generating gaseous fuel. No. 1,121,695; Dec. 22; Gaz. vol. 209; p. 1092.
- Wade, Irving E., Gravity, Iowa. Key-guide. No. 1,105,472; July 28; Gaz. vol. 204; p. 1268.
- Wade, Joseph A., Liverpool, England. Variable-speed friction-gearing. No. 1,098,771; June 2; Gaz. vol. 203; p. 140.
- Wade, L. G. (See Monahan, Louis J., assignor.)
- Wade, Lucius N., May View, Wash. Barn-yard cart. No. 1,122,756; Dec. 29; Gaz. vol. 209; p. 1498.
- Wade, Thomas E., Philadelphia, Pa. Aerial amusement apparatus. No. 1,093,506; Apr. 14; Gaz. vol. 201; p. 504.
- Wadhams, Darius T., assignor to N. Gray, Jr., Oswego, N. Y. Feeding and spacing mechanism for cutting machines. No. 1,095,250; May 5; Gaz. vol. 202; p. 26.
- Wadhams, George. (See Brampton and Wadhams.)
- Wadsworth, Arthur W., Fort Thomas, Ky. Watch pendant and bow. No. 1,093,017; Apr. 14; Gaz. vol. 201; p. 340.
- Wadsworth, Frank L. O., Sewickley, Pa. Furnace-grate. No. 1,103,232; July 14; Gaz. vol. 204; p. 399.
- Wadsworth, Frank L. O., Sewickley, Pa. Water-heater construction. No. 1,108,284; Aug. 25; Gaz. vol. 205; p. 1085.
- Wadsworth, Frank L. O., Sewickley, Pa. Manufacture of vehicle-tires. No. 1,111,418; Sept. 22; Gaz. vol. 206; p. 1026.
- Wadsworth, Frank L. O., Sewickley, Pa. Construction of vehicle-tires. No. 1,111,419; Sept. 22; Gaz. vol. 206; p. 1026.
- Wadsworth, Frank L. O., Sewickley, Pa. Manufacture of glass sheets. No. 1,119,328; Dec. 1; Gaz. vol. 209; p. 147.
- Wadsworth, Frank L. O., Sewickley, Pa. Manufacture of sheet-glass. No. 1,119,329; Dec. 1; Gaz. vol. 209; p. 147.
- Wadsworth, Frank L. O., Sewickley, Pa. Water-heater construction. No. 1,120,571; Dec. 8; Gaz. vol. 209; p. 616.
- Wadsworth, Frank L. O., Sewickley, assignor, by mesne assignments, to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,106,481; Aug. 11; Gaz. vol. 205; p. 356.
- Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Fuel-feed system for engines with starters. No. 1,088,854; Mar. 3; Gaz. vol. 200; p. 62.
- Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Footboard ventilation for motor-vehicles. No. 1,094,501; Apr. 28; Gaz. vol. 201; p. 942.
- Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Motor-driven vehicle. No. 1,097,954; May 26; Gaz. vol. 202; p. 1082.
- Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Dash set for motor-vehicles. No. 1,100,999; June 23; Gaz. vol. 203; p. 1038.
- Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Electrically-operated brake. No. 1,104,586; July 21; Gaz. vol. 204; p. 909.
- Wagar, Jerome. (See Walton and Wagar.)
- Wagemaker, Isaac, Grand Rapids, Mich. Drawer-guide. No. 1,089,514; Mar. 10; Gaz. vol. 200; p. 336.
- Wagenhorst, James H., Akron, Ohio, assignor, by mesne assignments, of two-fifths to The B. F. Goodrich Company, New York, N. Y., one-fifth to The Goodyear Tire & Rubber Company, Akron, Ohio, and one-fifth to The United States Tire Company, New York, N. Y. Vehicle wheel-rim. No. 1,085,772; Feb. 3; Gaz. vol. 199; p. 70.
- Wagenhorst, James H., Akron, Ohio, assignor, by mesne assignments, of two-fifths to The B. F. Goodrich Company, New York, N. Y., one-fifth to The Goodyear Tire & Rubber Company, Akron, Ohio, and one-fifth to The United States Tire Company, New York, N. Y. Vehicle wheel-rim. No. 1,085,773; Feb. 3; Gaz. vol. 199; p. 71.
- Wagenhorst, James H., Akron, Ohio, assignor, by mesne assignments, of two-fifths to The B. F. Goodrich Company, New York, N. Y., one-fifth to The Goodyear Tire & Rubber Company, Akron, Ohio, and one-fifth to The United States Tire Company, New York, N. Y. Vehicle wheel-rim. No. 1,103,637; July 14; Gaz. vol. 204; p. 540.
- Wager, Fred A. (See Lewis and Wager.)
- Wagg, James B., and J. A. Johnson, assignors of one-third to W. L. Wagg, Appleton, Wis. Guard for calendering-machines. No. 1,102,109; June 30; Gaz. vol. 203; p. 1475.
- Wagg, Solomon R., Appleton, Wis. Treating paper. No. 1,117,113; Nov. 10; Gaz. vol. 208; p. 611.
- Wagg, Solomon R., Appleton, Wis. Paper-making apparatus. No. 1,117,114; Nov. 10; Gaz. vol. 208; p. 611.
- Wagg, William L. (See Wagg and Johnson, assignors.)
- Wagley, Oswal O., Milwaukee, Wis. Water-meter. No. 1,109,804; Sept. 8; Gaz. vol. 206; p. 374.
- Wagner, Adam. (See Horn and Wagner.)
- Wagner, Albert P. and O. H., North Detroit, Mich. Can-labeling machine. No. 1,094,349; Apr. 21; Gaz. vol. 201; p. 827.
- Wagner, Carl R., Sonnenberg, near Wiesbaden, Germany. Manufacture of non-alcoholic beverages. No. 1,084,833; Jan. 20; Gaz. vol. 198; p. 583.
- Wagner, Charles, Grantwood, N. J., and A. Hormel, New York, N. Y. Lithographic press. No. 1,120,770; Dec. 15; Gaz. vol. 209; p. 734.
- Wagner, Charles, Grantwood, N. J., and A. Hormel, New York, N. Y. Lithographic press. No. 1,120,771; Dec. 15; Gaz. vol. 209; p. 734.
- Wagner, Chester I., Dayton, Ohio, assignor to The Shaw-Walker Company, Muskegon, Mich. Index. No. 1,111,931; Sept. 29; Gaz. vol. 206; p. 1242.
- Wagner, Clinton D., Cedar Rapids, Iowa. Pipe-damper. No. 1,101,222; June 23; Gaz. vol. 203; p. 1116.
- Wagner, Clinton J., Memphis, Tenn. Wood concrete-form. No. 1,101,592; June 30; Gaz. vol. 203; p. 1293.
- Wagner Comb Manufacturing Co., The. (See Hellriegel, Edmund, assignor.)
- Wagner, Edwin, Molalla, Oreg. Means for the prevention of kicking by milking-cows. No. 1,106,996; Aug. 11; Gaz. vol. 205; p. 535.
- Wagner Electric Manufacturing Company. (See Fynn, Valere A., assignor.)
- Wagner Electric Manufacturing Company. (See Sparrow, Simon, assignor.)
- Wagner, Ernst, Reutlingen, Germany. Wire twisting and weaving machine. No. 1,096,080; May 12; Gaz. vol. 202; p. 344.
- Wagner, Ernest G., Lewiston, Idaho. Flush-tank regulator. No. 1,113,518; Oct. 13; Gaz. vol. 207; p. 430.
- Wagner, Ernst, Reutlingen, Germany. Machine for colling spiral springs. No. 1,122,447; Dec. 29; Gaz. vol. 209; p. 1390.
- Wagner, Frank C., Grampian, Pa. Claw-bar. No. 1,123,041; Dec. 29; Gaz. vol. 209; p. 1600.
- Wagner, Frederic J., Santa Ana, Cal. Filter-press. No. 1,119,736; Dec. 1; Gaz. vol. 209; p. 286.
- Wagner, Frederic T., Chicago, Ill. Combined back button and tie-holder. No. 1,114,319; Oct. 20; Gaz. vol. 207; p. 750.
- Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Apparatus for subjecting gases to the action of liquids. No. 1,091,464; Mar. 24; Gaz. vol. 200; p. 1074.
- Wagner, Fredrick, Natrona, Pa. Electric terminal connector. No. 1,115,135; Oct. 27; Gaz. vol. 207; p. 1092.
- Wagner, Fritz, Gross Lichterfelde, near Berlin, Germany. Main pressure-valve. No. 1,106,757; Aug. 11; Gaz. vol. 205; p. 453.
- Wagner, Gus J., and M. H. Hopkins, assignors to The O. & W. Thum Company, Grand Rapids, Mich. Oil-press. No. 1,110,087; Sept. 8; Gaz. vol. 206; p. 477.
- Wagner, Gustave J., and M. H. Hopkins, assignors to The O. & W. Thum Company, Grand Rapids, Mich. Sticky-fly-paper device. No. 1,117,284; Nov. 17; Gaz. vol. 208; p. 712.
- Wagner, Hans, Ludwigsburg, Germany. Umbrella. No. 1,093,160; Apr. 14; Gaz. vol. 201; p. 391.
- Wagner, Henry J., Dellwood, N. Y. Non-drip cornice. No. 1,085,886; Feb. 3; Gaz. vol. 199; p. 109.
- Wagner, Herman A., East Orange, N. J. Separating metals from ores. No. 1,115,351; Oct. 27; Gaz. vol. 207; p. 1164.

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- Wagner, John, New York, N. Y. Hasp-lock. No. 1,094,279; Apr. 21; Gaz. vol. 201; p. 806.
- Wagner, John H., *et al.* (See Swyers, Brice P., assignor.)
- Wagner, John L., assignor to The Pneumelectric Machine Company, Syracuse, N. Y. Pressure-developing pneumatic tool. No. 1,093,302; Apr. 14; Gaz. vol. 201; p. 440.
- Wagner, Joseph F., assignor to Arnold-Wagner Electric Co., South Bend, Ind. Junction-box. No. 1,090,805; Mar. 17; Gaz. vol. 200; p. 820.
- Wagner, Lawrence L., Lakemont, Pa. Pneumatic tool. No. 1,091,447; Mar. 24; Gaz. vol. 200; p. 1069.
- Wagner, Louis G., and W. G. Lohmeyer, assignors to The Bridgeport Mechanical Company, Bridgeport, Conn. Figure-polycycle. No. 1,100,411; June 16; Gaz. vol. 203; p. 783.
- Wagner Manufacturing Company. (See Horn and Wagner, assignors.)
- Wagner, Marion E., assignor of one-half to F. M. Wallis, Pickering, Mo. Adjustable bracket for window-shades. No. 1,090,355; Mar. 17; Gaz. vol. 200; p. 666.
- Wagner, Martin H., Aplington, Iowa. Hay-rack. No. 1,121,781; Dec. 22; Gaz. vol. 209; p. 1122.
- Wagner, Michael, assignor to S. S. Newman, Pittsburgh, Pa. Attachment for grinding-machines. No. 1,101,593; June 30; Gaz. vol. 203; p. 1294.
- Wagner, Michael, assignor, by mesne assignments, to S. S. Newman, Pittsburgh, Pa. Drill-grinding attachment. No. 1,107,229; Aug. 11; Gaz. vol. 205; p. 618.
- Wagner, Michael, assignor of one-fourth to S. Silberstein, Pittsburgh, Pa. Valve for water-jacketed explosion-engines. No. 1,107,635; Aug. 18; Gaz. vol. 205; p. 810.
- Wagner, Oswin H. (See Wagner, Albert P. and O. H.)
- Wagner, Otto, Ronneburg, assignor to W. Kretschmar, Gera-Untermhaus, Germany. Pipe-severing device. No. 1,097,152; May 19; Gaz. vol. 202; p. 757.
- Wagner, Paul, Charlottenburg, Germany, assignor to General Electric Company. Shaft-packing. No. 1,104,588; July 21; Gaz. vol. 204; p. 910.
- Wagner, Paul A., Carlstadt, N. J. Loom-harness. No. 1,112,739; Oct. 6; Gaz. vol. 207; p. 116.
- Wagner, Paul A., Carlstadt, N. J. Heddle for loom-harness. No. 1,112,740; Oct. 6; Gaz. vol. 207; p. 117.
- Wagner, Paul A., Carlstadt, N. J. Reed for looms. No. 1,112,741; Oct. 6; Gaz. vol. 207; p. 117.
- Wagner, Paul A., Carlstadt, N. J. Making reeds for looms. No. 1,112,742; Oct. 6; Gaz. vol. 207; p. 117.
- Wagner, Victor, assignor to Drew Carrier Company, Waterloo, Wis. Elevated-trolley track. No. 1,090,253; Mar. 17; Gaz. vol. 200; p. 633.
- Wagner, William, *et al.* (See Newton, Frank W., assignor.)
- Wahl Adding Machine Company. (See Poole, Arthur F., assignor.)
- Wahl Adding Machine Company. (See Webster, Bester R., assignor.)
- Wahl, Charles D., Philadelphia, Pa. Loom. No. 1,102,110; June 30; Gaz. vol. 203; p. 1476.
- Wahl, John F. (See Goverts, Johann P., assignor.)
- Wahl, Robert, Chicago, Ill. Manufacture of temperance beer. No. 1,117,613; Nov. 17; Gaz. vol. 208; p. 826.
- Wahlberg, Nils E., assignor to Oakland Motor Car Company, Pontiac, Mich. Vehicle spring connection. No. 1,099,677; June 9; Gaz. vol. 203; p. 492.
- Wahlberg, Nils E., assignor to Oakland Motor Car Company, Pontiac, Mich. Muffler-control lever for motor-vehicles. No. 1,112,043; Sept. 29; Gaz. vol. 206; p. 1278.
- Wahlen, Ralph M., Elkhart, Ind. Grease-cup. No. 1,099,526; June 9; Gaz. vol. 203; p. 440.
- Wahlstrom, Axel, Oakland, Cal. Feeding apparatus for poultry. No. 1,098,069; May 26; Gaz. vol. 202; p. 1123.
- Wahmann, George H., Baltimore, Md. Water bath and sterilizer. No. 1,095,534; May 5; Gaz. vol. 202; p. 125.
- Wahn, Josef, Vienna, Austria-Hungary. Ground-detector for insulators. No. 1,095,439; May 5; Gaz. vol. 202; p. 91.
- Wahrenberger, Theophilus. (See Martinez, Norberto, assignor.)
- Waid, Calvin R., Birmingham, Ala. Grate-bar. No. 1,104,853; July 28; Gaz. vol. 204; p. 1049.
- Waid, James F., assignor of one-third to C. H. Krippendorf and one-third to W. Fowler, Cincinnati, Ohio. Machine for tacking the shoe upper and counter. No. 1,102,617; July 7; Gaz. vol. 204; p. 140.
- Waidlich, John F., Lansing, Mich. Heel-plate. No. 1,108,413; Aug. 25; Gaz. vol. 205; p. 1128.
- Waidely, George P., Pittsburgh, Pa. Combined display-stand and cover for receptacles. No. 1,085,647; Feb. 3; Gaz. vol. 199; p. 24.
- Waidlich, Walter, Detroit, Mich. Fastener for envelopes and other containers. No. 1,089,297; Mar. 3; Gaz. vol. 200; p. 212.
- Waight, Edward L., San Francisco, Cal. Safety appliance for air-craft. No. 1,103,233; July 14; Gaz. vol. 204; p. 400.
- Waik, Friedrich, Akron, Ohio. Closure for receptacles. No. 1,093,748; Apr. 21; Gaz. vol. 201; p. 629.
- Waindle, Francis J., Chicago, Ill. Game apparatus. No. 1,116,650; Nov. 10; Gaz. vol. 208; p. 451.
- Wainright, William F., Winchester, Ill. Grader. No. 1,111,420; Sept. 22; Gaz. vol. 206; p. 1027.
- Wainright, William F., and J. Montgomery, Winchester, Ill. Wire-fence clamp. No. 1,100,931; June 23; Gaz. vol. 203; p. 1015.
- Wainwright, Charles, Erie, Pa. Controlling device for fluid-compressors. No. 1,113,075; Oct. 6; Gaz. vol. 207; p. 229.
- Wainwright, John, Benazette, Pa. Surveying instrument. No. 1,108,034; Aug. 18; Gaz. vol. 205; p. 949.
- Wait, William B., New York, N. Y. Bookbinding. No. 1,090,663; Mar. 17; Gaz. vol. 200; p. 775.
- Wait, William B., New York, N. Y. Plate-holding device. No. 1,090,664; Mar. 17; Gaz. vol. 200; p. 775.
- Wait, William B., New York, N. Y. Sheet-delivery apparatus. No. 1,090,665; Mar. 17; Gaz. vol. 200; p. 775.
- Wait, William B., New York, N. Y. Sheet-gage. No. 1,090,666; Mar. 17; Gaz. vol. 200; p. 776.
- Wait, William B., New York, N. Y. Embossing-machine. No. 1,111,334; Sept. 22; Gaz. vol. 206; p. 997.
- Wait, William B., Jr., New York, N. Y. Wafer. No. 1,102,370; July 7; Gaz. vol. 204; p. 51.
- Waite Grass Carpet Company. (See Gray, George L., assignor.)
- Waite Grass Carpet Company. (See Waite, Ossian T., assignor.)
- Waite, Guy B., New York, N. Y. Fireproof-building construction. No. 1,099,953; June 16; Gaz. vol. 203; p. 623.
- Waite, Harry C., Chicago, Ill. Vehicle-spring. No. 1,111,421; Sept. 22; Gaz. vol. 206; p. 1027.
- Waite, Harry C., Lewistown, Mont. Agricultural soil-working machine. No. 1,120,255; Dec. 8; Gaz. vol. 209; p. 504.
- Waite, Harry L., Egremont, England. Sounding-machine. No. 1,094,763; Apr. 28; Gaz. vol. 201; p. 1035.
- Waite, Harry L., Egremont, England. Sounding-machine. No. 1,094,868; Apr. 28; Gaz. vol. 201; p. 1071.
- Waite, Leslie J., Binghamton, N. Y. Motor-car. No. 1,123,042; Dec. 29; Gaz. vol. 209; p. 1600.
- Waite, Ossian T., Oshkosh, Wis. Decorative material. No. 1,084,119; Jan. 13; Gaz. vol. 198; p. 315.
- Waite, Ossian T., assignor to Waite Grass Carpet Company, Oshkosh, Wis. Grass-twine machine. No. 1,110,842; Sept. 15; Gaz. vol. 206; p. 784.
- Waite, Wilbur M., Syracuse, N. Y., and J. H. Wheelock, Worcester, Mass., assignors, by mesne assignments, to American Model and Instrument Company. Signal or alarm device. No. 1,098,772; June 2; Gaz. vol. 203; p. 141.
- Waite, William T., Kansas City, Mo., assignor to The Orpheola Company, Laporte, Ind. Note-sheet guide for piano-players. No. 1,084,568; Jan. 13; Gaz. vol. 198; p. 463.
- Waite, William T., assignor to The Orpheola Company, Laporte, Ind. Player-piano pedal mechanism. No. 1,114,074; Oct. 20; Gaz. vol. 207; p. 662.
- Waite, William T., assignor to The Orpheola Company, Laporte, Ind. Player-piano note-sheet-spool motor. No. 1,117,727; Nov. 17; Gaz. vol. 208; p. 870.
- Waite, William T., assignor to The Orpheola Company, Laporte, Ind. Piano-player mechanism. No. 1,119,907; Dec. 8; Gaz. vol. 209; p. 381.
- Walters, William. (See Appling, Abram, assignor.)
- Waitt, George L., Buffalo, N. Y. Cotter. No. 1,092,876; Apr. 14; Gaz. vol. 201; p. 293.
- Waitt, Walter G., Fremont, assignor to National Carbon Company, Cleveland, Ohio. Dry cell. No. 1,115,458; Oct. 27; Gaz. vol. 207; p. 1201.
- Waitz, Charles A., Rouseville, Pa. Pump-barrel. No. 1,088,491; Feb. 24; Gaz. vol. 199; p. 1151.
- Waitz, Charles A., Rouseville, Pa. Working barrel for pumps. No. 1,097,276; May 19; Gaz. vol. 202; p. 801.
- Waitz, Charles A., Rouseville, Pa. Bottom-hole packer. No. 1,097,277; May 19; Gaz. vol. 202; p. 801.
- Waitz, John W., deceased, Oil City, Pa.; J. D. Trax and W. M. Parker, executors. Producing gasolene. No. 1,105,727; Aug. 4; Gaz. vol. 205; p. 50.
- Waiz, Anton, assignor of one-half to E. L. Greenslit, Worcester, Mass. Tap extension. No. 1,088,855; Mar. 3; Gaz. vol. 200; p. 62.
- Wajda, Floryan, East Hammond, Ind., assignor of one-half to B. J. Glnski, Chicago, Ill. Switch-throwing device. No. 1,110,088; Sept. 8; Gaz. vol. 206; p. 478.
- Wakefield, Albert, Washington, D. C. Churn. No. 1,116,177; Nov. 3; Gaz. vol. 208; p. 243.
- Wakefield, Almond J., Faulkton, S. D. Gang-plow. No. 1,097,111; May 19; Gaz. vol. 202; p. 741.
- Wakefield, Burdette O., Rogers, Ark. Toy. No. 1,118,707; Nov. 24; Gaz. vol. 208; p. 1251.
- Wakefield, Frederick W., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Lighting-fixture. No. 1,086,426; Feb. 10; Gaz. vol. 199; p. 340.
- Wakefield, Frederick W., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Lighting-fixture. No. 1,086,874; Feb. 10; Gaz. vol. 199; p. 499.

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- Wakefield, Frederick W., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Lamp-shade holder. No. 1,090,254; Mar. 17; Gaz. vol. 200; p. 633.
- Wakefield, Frederick W., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Terminal for electric-light fixtures. No. 1,093,367; Apr. 14; Gaz. vol. 201; p. 462.
- Wakefield, Frederick W., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Lighting-fixture. No. 1,099,477; June 9; Gaz. vol. 203; p. 423.
- Wakefield, Frederick W., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Lighting-fixture. No. 1,111,875; Sept. 29; Gaz. vol. 206; p. 1224.
- Wakefield, Frederick W., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Lighting-fixture. No. 1,119,480; Dec. 1; Gaz. vol. 209; p. 200.
- Wakefield, William, Chicago, Ill. Brick-machine. No. 1,101,594; June 30; Gaz. vol. 203; p. 1294.
- Wakeman, Charles A. (See Dichmann, William, assignor.)
- Wakeman, Rudolph H., Brockroad, Va. Portable folding chicken-coop. No. 1,121,425; Dec. 15; Gaz. vol. 209; p. 962.
- Wakfer, William H., South Norwood, assignor of one-half to S. Peck, Calbourne, England. Manufacture of files or rasps. No. 1,109,156; Sept. 1; Gaz. vol. 206; p. 106.
- Wakfer, William H., South Norwood, assignor of one-half to S. Peck, Wallington, England. Percussive hammer, drill, and the like. No. 1,114,075; Oct. 20; Gaz. vol. 207; p. 662.
- Wakfer, William H., South Norwood, assignor of one-half to S. Peck, Wallington, England. Percussive hammer, drill, and the like. No. 1,116,519; Nov. 10; Gaz. vol. 208; p. 402.
- Wakfer, William H., South Norwood, assignor of one-half to S. Peck, Wallington, England. Percussive hammer-drill and the like. No. 1,119,330; Dec. 1; Gaz. vol. 209; p. 148.
- Walbridge, Henry L., New York, N. Y. Wrapping and check apparatus for store-service. No. 1,118,318; Nov. 24; Gaz. vol. 208; p. 1113.
- Walch, Frederick W. (See Mirano and Walch.)
- Walchensteiner, Josef. (See Prettnner, Franz, assignor.)
- Wald Manufacturing Company. (See Pawsat, Ewald F., assignor.)
- Waldeck, George A. (See Cook, John W., assignor.)
- Walden, Albert E., Baltimore, Md. Sterilizer. No. 1,085,955; Feb. 3; Gaz. vol. 199; p. 134.
- Walden, Alfred E., assignor to Chalmers Motor Company, Detroit, Mich. Fuel-oil-delivery system for motor-vehicles. No. 1,111,335; Sept. 22; Gaz. vol. 206; p. 998.
- Walden, Frederick E., Worcester, assignor to Walden Tool Company, Boston, Mass. Wrench. No. 1,113,389; Oct. 13; Gaz. vol. 207; p. 385.
- Walden Tool Company. (See Walden, Frederick E., assignor.)
- Waldes, Heinrich, Wrschowitz, near Prague, Austria-Hungary. Spring device for spring-pressed buttons. No. 1,084,377; Jan. 13; Gaz. vol. 198; p. 400.
- Waldes, Heinrich, Wrschowitz, near Prague, Austria-Hungary. Feeding mechanism for button-sewing machines. No. 1,110,843; Sept. 15; Gaz. vol. 206; p. 784.
- Waldes, Heinrich, Prague-Wrschowitz, Austria-Hungary. Advertising device. No. 1,116,178; Nov. 3; Gaz. vol. 208; p. 243.
- Waldman, Herman C., St. Louis, Mo. Form for concrete columns. No. 1,085,713; Feb. 3; Gaz. vol. 199; p. 47.
- Waldo, James C. (See Aupperle and Waldo.)
- Waldon, Sidney D., assignor to Packard Motor Car Company, Detroit, Mich. Muffler. No. 1,094,105; Apr. 21; Gaz. vol. 201; p. 748.
- Waldon, Sidney D., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,122,048; Dec. 22; Gaz. vol. 209; p. 1218.
- Waldron, Asberry B., Bronson, Fla. Hanger for sap-gathering receptacles. No. 1,115,627; Nov. 3; Gaz. vol. 208; p. 54.
- Waldron, Frank R. (See Alexander, Robert E., assignor.)
- Waldron, William H., Highland Park, assignor to Jno. Waldron Co., New Brunswick, N. J. Border-cutting machine. No. 1,123,043; Dec. 29; Gaz. vol. 209; p. 1601.
- Wales, Charles, assignor to The White Adding Machine Company, New Haven, Conn. Dash-pot. No. 1,115,628; Nov. 3; Gaz. vol. 208; p. 54.
- Wales, Charles, Nashville, Tenn., assignor to The White Adding Machine Company, New Haven, Conn. Printing mechanism. No. 1,122,174; Dec. 22; Gaz. vol. 209; p. 1258.
- Wales, Charles, Nashville, Tenn., assignor to The White Adding Machine Company, New Haven, Conn. Forming angular bosses. No. 1,122,175; Dec. 22; Gaz. vol. 209; p. 1259.
- Wales, Charles, Nashville, Tenn., assignor to The White Adding Machine Company, New Haven, Conn. Mechanism for converting motion. No. 1,122,176; Dec. 22; Gaz. vol. 209; p. 1259.
- Wales, Charles, Nashville, Tenn., assignor to The White Adding Machine Company, New Haven, Conn. Positioning mechanism. No. 1,122,177; Dec. 22; Gaz. vol. 209; p. 1260.
- Wales, Charles M., New York, N. Y. Making hollow axles. No. 1,104,088; July 21; Gaz. vol. 204; p. 736.
- Wales, Nathaniel B., assignor to R. C. Morley, Saginaw, Mich. Pneumatic jack. No. 1,108,952; Sept. 1; Gaz. vol. 206; p. 33.
- Wales, Rowland T., Chrome, N. J. Apparatus for roasting slimes. No. 1,085,831; Feb. 3; Gaz. vol. 199; p. 90.
- Wales, Samuel S., Munhall, Pa. Apparatus for treating car-wheels and similar circular bodies. No. 1,105,116; July 28; Gaz. vol. 204; p. 1140.
- Wales, Samuel S., Munhall, assignor to Carnegie Steel Company, Pittsburgh, Pa. Treating armor-plate. No. 1,097,572; May 19; Gaz. vol. 202; p. 900.
- Wales, Samuel S., Munhall, assignor to Carnegie Steel Company, Pittsburgh, Pa. Armor and safe plate. No. 1,097,573; May 19; Gaz. vol. 202; p. 901.
- Wales, Samuel S., Munhall, assignor to Carnegie Steel Company, Pittsburgh, Pa. Armor-plate. No. 1,111,709; Sept. 22; Gaz. vol. 206; p. 1129.
- Wales, Samuel S., Munhall, assignor to Carnegie Steel Company, Pittsburgh, Pa. Steel alloy. No. 1,111,710; Sept. 22; Gaz. vol. 206; p. 1129.
- Wales, Samuel S., Munhall, assignor to Carnegie Steel Company, Pittsburgh, Pa. Alloyed steel. No. 1,111,711; Sept. 22; Gaz. vol. 206; p. 1129.
- Walinder, Bert R. (See Walinder, Gunnar, assignor.)
- Walinder, Gunnar, assignor of two-fifths to B. R. Walinder, Chicago, Ill. Pump. No. 1,097,955; May 26; Gaz. vol. 202; p. 1082.
- Walker, Alpheus P., *et al.* (See Younger, Charles, assignor.)
- Walker, Arthur W., Malden, Mass. Draft-regulator. No. 1,106,904; Aug. 11; Gaz. vol. 205; p. 505.
- Walker, Arthur W., Malden, Mass. Shaker for grates. No. 1,107,466; Aug. 18; Gaz. vol. 205; p. 751.
- Walker, Arthur W., Malden, Mass. Radiator-joint. No. 1,108,532; Aug. 25; Gaz. vol. 205; p. 1171.
- Walker, Benjamin F., Bridgeport, Conn. Dental floss-holder. No. 1,106,758; Aug. 11; Gaz. vol. 205; p. 454.
- Walker & Bennett Manufacturing Company. (See Bennett, Frederick, assignor.)
- Walker, Bertram O., Portland, Ore. Rotary steam-engine. No. 1,106,997; Aug. 11; Gaz. vol. 205; p. 535.
- Walker, Charles, Knoxville, Tenn. Attachment or force-tube for drain-valves. No. 1,119,554; Dec. 1; Gaz. vol. 209; p. 226.
- Walker, Charles A., Pittsburg, Kans. Gage-cock. No. 1,113,267; Oct. 13; Gaz. vol. 207; p. 341.
- Walker, Charles R., Newburgh, N. Y. Drying system. (Reissue.) No. 13,678; Jan. 20; Gaz. vol. 198; p. 672.
- Walker, David. (See Walker, Raymond R., assignor.)
- Walker, Edwin, Erie, Pa. Lemon-squeezer. No. 1,115,754; Nov. 3; Gaz. vol. 208; p. 97.
- Walker, Edwin E., Oakley, Mich. Bean-separating machine. No. 1,099,778; June 9; Gaz. vol. 203; p. 526.
- Walker, Eli M., Meriden, Conn., assignor to The Parker Clock Company. Clock. No. 1,103,552; July 14; Gaz. vol. 204; p. 507.
- Walker, Everett H., assignor to Lawrence Manufacturing Company, Lowell, Mass. Knitting-machine. No. 1,086,570; Feb. 10; Gaz. vol. 199; p. 392.
- Walker, Francis J., Jr., Erie, Pa. Storing unfermented fruit-juice. No. 1,103,920; July 14; Gaz. vol. 204; p. 637.
- Walker, Frank W. (See Fisher, Harry L., assignor.)
- Walker, Fred L., Burlington, Iowa. Combined wrench and vise. No. 1,105,473; July 28; Gaz. vol. 204; p. 1268.
- Walker, Freeman V., Bluffton, S. C. Sign or display-card. No. 1,089,996; Mar. 10; Gaz. vol. 200; p. 501.
- Walker, Freeman V., Bluffton, S. C. Display-sign. No. 1,107,125; Aug. 11; Gaz. vol. 205; p. 578.
- Walker, George, Newton Center, Mass. Mechanism for controlling the locks of the computing-numerals in a computing-machine. No. 1,098,855; June 2; Gaz. vol. 203; p. 169.
- Walker, George, Newton Center, Mass. Computing-machine. No. 1,098,856; June 2; Gaz. vol. 203; p. 169.
- Walker, George, assignor to Landers, Frary & Clark, New Britain, Conn. Weighing-machine. No. 1,103,456; July 14; Gaz. vol. 204; p. 474.
- Walker, George K., Webster Groves, Mo. Grocer's dispensing-bin. No. 1,101,822; June 30; Gaz. vol. 203; p. 1372.
- Walker, George O., Walker, Ore. Insect-catcher. No. 1,102,829; July 7; Gaz. vol. 204; p. 213.
- Walker, Harry S., assignor of three-eighths to J. R. Chambers, Corvallis, and one-fourth to L. A. Reed, Medford, Ore. Moving-picture screen. No. 1,094,613; Apr. 28; Gaz. vol. 201; p. 980.
- Walker, Henry S., Wales, Mass. Coaster-brake. No. 1,089,997; Mar. 10; Gaz. vol. 200; p. 501.
- Walker, J. R., *et al.* (See Walker, James M., assignor.)
- Walker, James F., assignor of three-fourths to T. N. Frazier, McKeesport, Pa. Carrier. No. 1,091,260; Mar. 24; Gaz. vol. 200; p. 1010.
- Walker, James H. (See Olinger and Walker.)

Alphabetical list of patentees—Continued.

- Walker, James H., and J. A. Olinger, West Chicago, Ill. Underreamer. No. 1,095,050; Apr. 28; Gaz. vol. 201; p. 1134.
- Walker, James J., *et al.* (See Guilianni, Alfredo, assignor.)
- Walker, James L., Grand Island, Nebr. Flying-machine. No. 1,111,627; Sept. 22; Gaz. vol. 206; p. 1098.
- Walker, James M., Carrollton, Ga., assignor of one-fourth to W. W. Baskin, one-fourth to W. T. Herrin, and one-half to J. M., J. R., T., and M. Walker. Fertilizer-distributor. No. 1,090,356; Mar. 17; Gaz. vol. 200; p. 666.
- Walker, James T., and A. C. Jones, Pinola, Miss. Lap-link loggerhead-hook. No. 1,084,983; Jan. 20; Gaz. vol. 198; p. 633.
- Walker, Jesse B., Savannah, Tenn. Internal-combustion engine. No. 1,122,823; Dec. 29; Gaz. vol. 209; p. 1523.
- Walker, John, Toronto, Ontario, Canada. Horseshoe. No. 1,098,773; June 2; Gaz. vol. 203; p. 141.
- Walker, John, assignor to John Walker Machine Company, Boston, Mass. Grinding-mill. No. 1,114,320; Oct. 20; Gaz. vol. 207; p. 750.
- Walker, John, Jr., London, England. File for papers and documents. No. 1,111,981; Sept. 29; Gaz. vol. 206; p. 1257.
- Walker, John B., Punxsutawney, Pa. Saw-clamp. No. 1,119,908; Dec. 8; Gaz. vol. 209; p. 382.
- Walker, John C., Yonkers, N. Y. Making an alloy of ferromanganese and silicon. No. 1,109,640; Sept. 1; Gaz. vol. 206; p. 276.
- Walker, John M., *et al.* (See Walker, James M., assignor.)
- Walker, Joseph, Birmingham, England. Support for notebooks and the like. No. 1,098,999; June 2; Gaz. vol. 203; p. 217.
- Walker, Joseph L., Baton Rouge, La. Wheel. No. 1,087,854; Feb. 17; Gaz. vol. 199; p. 886.
- Walker Manufacturing Company. (See Rasmussen, Laurits T., assignor.)
- Walker, Martin W. (See Williams and Walker.)
- Walker, Mattie, *et al.* (See Walker, James M., assignor.)
- Walker, Maurice, New York, N. Y. Bankable flexible sled. No. 1,083,713; Jan. 6; Gaz. vol. 198; p. 151.
- Walker, Melbourne, Florence, Ontario, Canada. Valve. No. 1,094,688; Apr. 28; Gaz. vol. 201; p. 1008.
- Walker, Miles, Old Trafford, England, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dynamo-electric machine. No. 1,115,352; Oct. 27; Gaz. vol. 207; p. 1164.
- Walker, Oakley S., Worcester, Mass. Grinding-machine. No. 1,091,407; Mar. 24; Gaz. vol. 200; p. 1056.
- Walker, Percy H. D. (See Walker, Victor E. and P. H. D.)
- Walker, Perry M. (See Dean, Leonidas T., assignor.)
- Walker, Ralph, Antler, N. D. Exhaust-regulator. No. 1,119,331; Dec. 1; Gaz. vol. 209; p. 148.
- Walker, Ralph S., Niagara Falls, N. Y. Pump. No. 1,100,796; June 23; Gaz. vol. 203; p. 966.
- Walker, Raymond G., *et al.* (See McClelland, James, assignor.)
- Walker, Raymond R., assignor of one-half to D. Walker, Follansbee, W. Va. Shock-absorber. No. 1,106,014; Aug. 4; Gaz. vol. 205; p. 149.
- Walker, Tommy, *et al.* (See Walker, James M., assignor.)
- Walker, V. I., *et al.* (See Beck, Charles L., assignor.)
- Walker, Victor E. and P. H. D., assignors to The Charles Parker Company, Meriden, Conn. Swivel-vise. No. 1,106,602; Aug. 11; Gaz. vol. 205; p. 400.
- Walker, Ward C., Battle Creek, Mich. Hose-clamp. No. 1,121,782; Dec. 22; Gaz. vol. 209; p. 1122.
- Walker-Wells Company. (See Wells, Harlan P., assignor.)
- Walker, Willard R., Syracuse, N. Y. Swinging shelf. No. 1,114,948; Oct. 27; Gaz. vol. 207; p. 1025.
- Walker, William E., Woodstock, Ohio. Chronometer-escapement. No. 1,091,261; Mar. 24; Gaz. vol. 200; p. 1011.
- Walker, William E., Bordeaux, Wash. Nut-lock. No. 1,099,410; June 9; Gaz. vol. 203; p. 401.
- Walker, William F. (See Field and Walker.)
- Walker, William F., Chicago, assignor of one-eighth to M. Borwick, Cicero, one-fourth to C. F. Dusman and one-eighth to A. B. Cameron, Chicago, Ill. Safety-lock. No. 1,102,830; July 7; Gaz. vol. 204; p. 213.
- Walker, William F., Chicago, assignor of one-eighth to M. Borwick, Cicero, one-fourth to C. F. Dusman and one-eighth to A. B. Cameron, Chicago, Ill. Safety-lock. No. 1,117,285; Nov. 17; Gaz. vol. 208; p. 713.
- Walker, William R., New York, N. Y. Manufacture of steel. No. 1,086,003; Feb. 3; Gaz. vol. 199; p. 151.
- Walker, William R., New York, N. Y. Treating steel in electric furnaces with basic hearths. No. 1,086,489; Feb. 10; Gaz. vol. 199; p. 363.
- Walker, Wythe E., Salt Lake City, Utah, assignor of one-half to G. W. Phillips, Denver, Colo. Reinforced-concrete floor construction. No. 1,101,767; June 30; Gaz. vol. 203; p. 1352.
- Walkowc, John J., Detroit, Mich. Fountain-pen point. No. 1,112,870; Oct. 6; Gaz. vol. 207; p. 161.
- Walkup, Charles W. (See Walkup, John A. and C. W.)
- Walkup, John A. and C. W., Waco, Tex. Water-feeding device. No. 1,101,363; June 23; Gaz. vol. 203; p. 1162.
- Walkup, Samuel T. (See Peto and Walkup.) (Reissue.)
- Walkup, Samuel T. (See Pfister, Louis F., assignor.) (Reissue.)
- Wall, Charles M., assignor of one-half to J. A. Bickford, Curwensville, Pa. Center-bearing for grinding-pans. No. 1,090,667; Mar. 17; Gaz. vol. 200; p. 776.
- Wall, Charles M., assignor of one-half to J. A. Bickford, Curwensville, Pa. Press-box. No. 1,108,643; Aug. 25; Gaz. vol. 205; p. 1208.
- Wall, Enos A., Salt Lake City, Utah. Roll-adjusting mechanism. No. 1,088,116; Feb. 24; Gaz. vol. 199; p. 1025.
- Wall, Enos A., Salt Lake City, Utah. Grinding and crushing roll. No. 1,098,417; June 2; Gaz. vol. 203; p. 21.
- Wall, Enos A., Salt Lake City, Utah. Roll-adjusting mechanism. No. 1,103,113; July 14; Gaz. vol. 204; p. 358.
- Wall, George H. (See McCormack and Wall.)
- Wall, John, assignor of two-fifths to A. N. Hays, Lake Victor, Tex. Display-rack for ax-handles and the like. No. 1,084,378; Jan. 13; Gaz. vol. 198; p. 401.
- Wall, Robert C., Philadelphia, Pa. Tire-fastening device. No. 1,087,618; Feb. 17; Gaz. vol. 199; p. 806.
- Wall, Robert M., Americus, Ga. Wasteway. No. 1,106,015; Aug. 4; Gaz. vol. 205; p. 150.
- Wall, Samuel, Harrisburg, Ill. Railway-tie. No. 1,106,482; Aug. 11; Gaz. vol. 205; p. 356.
- Wallace, Andrew H., St. Catharines, Ontario, Canada. Photographic-printing machine. No. 1,103,330; July 14; Gaz. vol. 204; p. 433.
- Wallace, Andrew H., St. Catharines, Ontario, Canada. Photographic-printing device. No. 1,103,331; July 14; Gaz. vol. 204; p. 433.
- Wallace, Columbus C., Dover, assignor of one-half to C. A. Moery, Indian Mound, Tenn. Envelop-sealer. No. 1,112,343; Sept. 29; Gaz. vol. 206; p. 1383.
- Wallace, David A., Chicago, Ill. Plumb-light. No. 1,113,519; Oct. 13; Gaz. vol. 207; p. 431.
- Wallace, David J., U. S. Navy. Safety gas-burner. No. 1,113,076; Oct. 6; Gaz. vol. 207; p. 229.
- Wallace, Donald M. (See Gartrell, Francis W., assignor.)
- Wallace, Edwin C., East Auburn, Cal. Protecting-sheet. No. 1,107,732; Aug. 18; Gaz. vol. 205; p. 845.
- Wallace, Edwin C., East Auburn, Cal. Composite pavement. No. 1,115,259; Oct. 27; Gaz. vol. 207; p. 1135.
- Wallace, Edwin L., assignor to The Shredded Wheat Company, Niagara Falls, N. Y. Machine to facilitate the use of cartons. No. 1,092,233; Apr. 7; Gaz. vol. 201; p. 37.
- Wallace, Emilius F., Syracuse, N. Y. Clothes-washer. No. 1,116,520; Nov. 10; Gaz. vol. 208; p. 403.
- Wallace, Frank W., Chattanooga, Tenn. Clothes-rack for sleeping-cars. No. 1,111,199; Sept. 22; Gaz. vol. 206; p. 952.
- Wallace, Frederick L. (See Browne and Wallace.)
- Wallace, George. (See Thompson, Bartlett H., assignor.)
- Wallace, George, Niagara Falls, N. Y. Pipe-cutting machine. No. 1,111,336; Sept. 22; Gaz. vol. 206; p. 998.
- Wallace, Gustave, New York, N. Y. Angle-finder. No. 1,089,885; Mar. 10; Gaz. vol. 200; p. 463.
- Wallace, Halbert C., *et al.* (See Link, Lewis, assignor.)
- Wallace, Harry B., assignor to Samuel Cupples Wooden Ware Company, St. Louis, Mo. Mop. No. 1,113,175; Oct. 6; Gaz. vol. 207; p. 265.
- Wallace, Henry W., Monroe, Oreg. Saw-gage. No. 1,108,035; Aug. 18; Gaz. vol. 205; p. 949.
- Wallace, Herbert A. (See Scattergood and Wallace.)
- Wallace, Herbert A., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for governing the passage of cars or vehicles along a railway and the control thereof. No. 1,102,831; July 7; Gaz. vol. 204; p. 213.
- Wallace, Jacob H., T. D. and J. D. Means, Boulder, Colo. Beet-harvester. No. 1,105,728; Aug. 4; Gaz. vol. 205; p. 50.
- Wallace, James A., Troy, N. Y. Sharpening device. No. 1,092,877; Apr. 14; Gaz. vol. 201; p. 294.
- Wallace, James G., New York, N. Y. Type-writer. No. 1,114,557; Oct. 20; Gaz. vol. 207; p. 835.
- Wallace, Jesse I., *et al.* (See Link, Lewis, assignor.)
- Wallace, John N. (See Adams and Wallace.)
- Wallace, John N., Antwerp, Belgium, assignor to Western Electric Company, New York, N. Y. Printing-machine. No. 1,097,203; May 19; Gaz. vol. 202; p. 774.
- Wallace, Joseph, Chicago, Ill. Ink-pencil. No. 1,085,714; Feb. 3; Gaz. vol. 199; p. 47.
- Wallace, Lem. (See Brannen and Wallace.)
- Wallace, Mary E. (See Strippel, Albert E., assignor.)
- Wallace Novelty Company. (See Bouchery, August, assignor.)
- Wallace Novelty Company. (See Green, Willard R., assignor.)
- Wallace Novelty Company. (See Green and Fornander, assignors.)
- Wallace, Robert. (See Lowe, Clarence W., assignor.)
- Wallace, Robert H. (See Hart and Wallace.)
- Wallace, Samuel R., Herrick, Ill. Ice-creeper. No. 1,116,179; Nov. 3; Gaz. vol. 208; p. 243.
- Wallace, William J., Detroit, Mich. Shock-absorber. No. 1,109,560; Sept. 1; Gaz. vol. 206; p. 245.
- Wallace, William L., Morristown, Tenn. Tobacco-pipe. No. 1,086,875; Feb. 10; Gaz. vol. 199; p. 499.
- Wallace, William R. (See Harvey and Brill, assignors.)

Alphabetical list of patentees—Continued.

- Wallach, Morris, *et al.* (See Grabau, Hans E., assignor.)
 Wallbillich, John J., Detroit, Mich. Shaft-coupling. No. 1,103,716; July 14; Gaz. vol. 204; p. 568.
 Walle, Carl G., New York, N. Y. Life-saving suit. No. 1,095,051; Apr. 28; Gaz. vol. 201; p. 1134.
 Wallem, Axel B., Cynwyd, Pa., assignor to Harrison Safety Boiler Works. Combination water heating and measuring apparatus. No. 1,117,535; Nov. 17; Gaz. vol. 208; p. 800.
 Waller, Carl R., Trenton, N. J., assignor to De Laval Steam Turbine Company, New York, N. Y. Elastic-fluid turbine. No. 1,096,081; May 12; Gaz. vol. 202; p. 345.
 Waller, Charles W., assignor of one-half to P. A. Franzmann, Chicago, Ill. Flying-machine. No. 1,083,714; Jan. 6; Gaz. vol. 198; p. 151.
 Waller, Francis M., Wembley, England. Mechanically-propelled plow. No. 1,106,603; Aug. 11; Gaz. vol. 205; p. 400.
 Waller, Grant A., and F. E. Wright, assignors to Q. A. and F. E. Wright, Fortville, Ind. Acetylene-gas generator. No. 1,109,377; Sept. 1; Gaz. vol. 206; p. 186.
 Waller, Lee O., Philadelphia, Pa., assignor to Kal-Pheno Chemical Company, Smyrna, Del. Dentifrice. No. 1,107,389; Aug. 18; Gaz. vol. 205; p. 722.
 Waller, Peter A., Kewanee, Ill. Corn-husker. No. 1,108,817; Aug. 25; Gaz. vol. 205; p. 1267.
 Waller, Peter A., assignor to Boss Manufacturing Company, Kewanee, Ill. Glove. No. 1,103,921; July 14; Gaz. vol. 204; p. 637.
 Waller, Robert H. (See Rather, Lee O., assignor.)
 Waller, Thomas S., assignor to Diamond Power Specialty Company, Detroit, Mich. Blower for boilers. No. 1,100,165; June 16; Gaz. vol. 203; p. 697.
 Wallerstedt, Charles, St. Louis, Mo. Coin-purse. No. 1,115,136; Oct. 27; Gaz. vol. 207; p. 1092.
 Walles, Herman, Chicago, Ill. Hoisting apparatus. No. 1,101,595; June 30; Gaz. vol. 203; p. 1295.
 Wallett, Oliver D., Pittsburgh, Pa. Concrete-pile former. No. 1,101,364; June 23; Gaz. vol. 203; p. 1163.
 Wallick, Willis L., Alexandria, Ind. Bridle. No. 1,097,490; May 19; Gaz. vol. 202; p. 874.
 Wallin, Joseph, assignor of one-half to A. Carlson, Rockford, Ill. Table. No. 1,097,956; May 26; Gaz. vol. 202; p. 1083.
 Wallin, William H., Stromsburg, Nebr. Curtain-clasp. No. 1,092,679; Apr. 7; Gaz. vol. 201; p. 191.
 Walling, William S., assignor to Crampton-Farley Brass Company, Kansas City, Mo. Combined backwater-trap and floor-drain. No. 1,119,909; Dec. 8; Gaz. vol. 209; p. 382.
 Wallis, Anthony H., St. Louis, Mo. Machine for ornamenting window-cames and the like. No. 1,088,308; Feb. 24; Gaz. vol. 199; p. 1091.
 Wallis, Frank M. (See Wagner, Marion E., assignor.)
 Wallis, John P. (See Bryant, Clyde J., assignor.)
 Wallis, Joseph A., 2d, Beverly, Mass. Rotary internal-combustion engine. No. 1,109,270; Sept. 1; Gaz. vol. 206; p. 147.
 Wallis-Lispensard Cotton Harvester Corporation. (See Lispensard, George, assignor.)
 Wallis Tractor Company. (See Hendrickson, Robert O., assignor.)
 Wallmann, Johann G., Oakland, Cal. Electric heater. No. 1,087,518; Feb. 17; Gaz. vol. 199; p. 770.
 Wallmann, Johann G., Oakland, Cal. Thermostat. No. 1,112,743; Oct. 6; Gaz. vol. 207; p. 117.
 Wallmann, Johann G., Oakland, Cal. Combined liquid-fuel control for motor-cars and grade-motors. No. 1,120,772; Dec. 15; Gaz. vol. 209; p. 735.
 Walls, Percy B., Pittsburgh, Pa. Lock for levers. No. 1,087,619; Feb. 17; Gaz. vol. 199; p. 806.
 Walp, James, Allentown, Pa. Valve. No. 1,110,731; Sept. 15; Gaz. vol. 206; p. 746.
 Walpole, Benjamin M., Providence, R. I. Electric fuse or cut-out. No. 1,086,693; Feb. 10; Gaz. vol. 199; p. 434.
 Walpole Shoe Supply Company. (See Wescott, William B., assignor.)
 Walpole Shoe Supply Company. (See Wescott, William B. and E. W., assignors.)
 Walquist, Frank W., assignor to Zahm Manufacturing Company, Buffalo, N. Y. Pressure-regulator. No. 1,120,002; Dec. 8; Gaz. vol. 209; p. 415.
 Walrath, George P., *et al.* (See Rowell, Frank C., assignor.)
 Walser, Robert, West New York, and A. Sauter, Union Hill, N. J. Lock and key. No. 1,100,511; June 16; Gaz. vol. 203; p. 815.
 Walsh, Arthur Q., New York, N. Y. Retaining device. No. 1,091,262; Mar. 24; Gaz. vol. 200; p. 1011.
 Walsh-Baker Corporation. (See Walsh, Thomas P., assignor.)
 Walsh, Eugene W., New York, N. Y. Telephone-booth door. No. 1,089,449; Mar. 10; Gaz. vol. 200; p. 312.
 Walsh, George A., and L. B. La Vigne, East Toledo, Ohio. Water-separating apparatus. No. 1,097,779; May 26; Gaz. vol. 202; p. 1019.
 Walsh, Harry C. H., Chicago, Ill. Clutch mechanism. No. 1,099,867; June 9; Gaz. vol. 203; p. 556.
 Walsh, Helen, Lakewood, Ohio. Sanitary cuff. No. 1,116,521; Nov. 10; Gaz. vol. 208; p. 403.
 Walsh, Henry E., Chicago, Ill. Label-holder. No. 1,112,501; Oct. 6; Gaz. vol. 207; p. 31.
 Walsh, James J. (See Sperry, Thomas E., assignor.)
 Walsh, James O., Bayonne, N. J. Bottle-stopper. No. 1,090,434; Mar. 17; Gaz. vol. 200; p. 696.
 Walsh, James O., New York, N. Y., and A. C. Austin, Hasbrouck Heights, N. J., assignors to said Walsh. Banana food product. No. 1,090,255; Mar. 17; Gaz. vol. 200; p. 633.
 Walsh, James O., New York, N. Y., and A. C. Austin, Hasbrouck Heights, N. J., assignors to said Walsh. Preparing a food product. No. 1,090,256; Mar. 17; Gaz. vol. 200; p. 634.
 Walsh, John A., Rochester, N. Y. Electric-railway trolley. No. 1,098,698; June 2; Gaz. vol. 203; p. 117.
 Walsh, John C., Philadelphia, Pa. Shoe-support. No. 1,104,396; July 21; Gaz. vol. 204; p. 841.
 Walsh, John F. (See Meredith, Noah E., assignor.)
 Walsh, John J. (See Donegan and Walsh.)
 Walsh, John M. (See Ricke, George H., assignor.)
 Walsh, Martin J., Jr., St. Louis, Mo. Money-sorting machine. No. 1,109,026; Sept. 1; Gaz. vol. 206; p. 61.
 Walsh, Michael F., New York, N. Y. Rear signal for vehicles. No. 1,108,036; Aug. 18; Gaz. vol. 205; p. 950.
 Walsh, Michael J. (See Mennickheim, Frederick W., Jr., assignor.)
 Walsh, Thomas P., Boston, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Pile-wire loom. No. 1,088,856; Mar. 3; Gaz. vol. 200; p. 62.
 Walsh, Thomas P., Boston, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Machine for cutting and stripping yarn from bobbins. No. 1,109,949; Sept. 8; Gaz. vol. 206; p. 428.
 Walsh, Thomas P., Boston, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Loom for weaving oriental rugs. No. 1,117,115; Nov. 10; Gaz. vol. 208; p. 612.
 Walsh, Thomas P., Boston, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Axminster loom. No. 1,118,083; Nov. 24; Gaz. vol. 208; p. 1033.
 Walsh, Thomas P., Boston, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Loom for weaving cane, &c. No. 1,119,332; Dec. 1; Gaz. vol. 209; p. 148.
 Walsh, Thomas P., Boston, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Automatic positive-shuttle loom for heavy weaving. No. 1,121,696; Dec. 22; Gaz. vol. 209; p. 1093.
 Walsh, Thomas P., Boston, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Loom with automatic positive shuttle-drive and shuttle-changer for heavy work. No. 1,122,448; Dec. 29; Gaz. vol. 209; p. 1391.
 Walsh, William E., Butte, Mont. Automatic-dumping conveyer. No. 1,104,232; July 21; Gaz. vol. 204; p. 784.
 Walsh, William J., Hamilton, Ontario, Canada. Rotatable open-book rest. No. 1,093,220; Apr. 14; Gaz. vol. 201; p. 411.
 Walsh, William J., Hamilton, Ontario, Canada. Rotatable open-book rest. No. 1,100,106; June 16; Gaz. vol. 203; p. 676.
 Walsh, William J., Creston, Iowa. Gambrel. No. 1,107,467; Aug. 18; Gaz. vol. 205; p. 751.
 Walshe, Denny E., Grand Saline, Tex. Tag-fastener. No. 1,103,853; July 14; Gaz. vol. 204; p. 614.
 Walter, August. (See Muehleisen and Walter.)
 Walter, August C., Alex, Okla. Reach for vehicles. No. 1,100,797; June 23; Gaz. vol. 203; p. 967.
 Walter, Bertie E., Tulsa, Okla. Funnel. No. 1,094,350; Apr. 21; Gaz. vol. 201; p. 827.
 Walter, Charles H., Connellsville, Pa. Locomotive-headlight. No. 1,098,196; May 26; Gaz. vol. 202; p. 1164.
 Walter, Charles L., assignor to The Monarch Manufacturing Company, Bascom, Ohio. Baling apparatus. No. 1,090,257; Mar. 17; Gaz. vol. 200; p. 634.
 Walter, Frank L., assignor to W. Walter, Waterloo, Iowa. Rotary screen and separator. No. 1,088,117; Feb. 24; Gaz. vol. 199; p. 1026.
 Walter, Fred B., Wabash, Ind. Table-slide. No. 1,085,648; Feb. 3; Gaz. vol. 199; p. 24.
 Walter, Fredrick H., Fennimore, Wis. Spike. No. 1,112,871; Oct. 6; Gaz. vol. 207; p. 161.
 Walter, George C., *et al.* (See Douglas, John, assignor.)
 Walter, George E., Rochester, N. Y. Lawn-trimmer. No. 1,112,502; Oct. 6; Gaz. vol. 207; p. 31.
 Walter, Guy C. (See Lyon, Roy M., assignor.)
 Walter, Harrison B., assignor to National Fibre Box Company, Danville, Ill. Box. No. 1,121,428; Dec. 15; Gaz. vol. 209; p. 963.
 Walter, Joseph C., Lecompton township, Douglas county, Kans. Elevating and dumping apparatus. No. 1,120,869; Dec. 15; Gaz. vol. 209; p. 769.
 Walter, L. C. (See Kutscher, William H., assignor.)
 Walter M. Lowney Company, The. (See Green, Charles M., assignor.)
 Walter M. Lowney Company, The. (See Prigge, John A., Jr., assignor.)
 Walter, Otto, Hanover, Germany. Vulcanizer. No. 1,104,722; July 21; Gaz. vol. 204; p. 955.
 Walter, Sanford F. (See Lyons and Gruenberg, assignors.)
 Walter, William. (See Walter, Frank L., assignor.)

Alphabetical list of patentees—Continued.

- Walters, Anthoney, and G. Hennkens, assignors of one-eighth to T. Albes, St. Louis, Mo. Wheel. No. 1,099,219; June 9; Gaz. vol. 203; p. 334.
- Walters, Edward J., Groveland, and W. P. Symons, Arlington, Cal. Hydraulic weighing-scale. No. 1,098,197; May 26; Gaz. vol. 202; p. 1165.
- Walters, Edwin C., and P. G. Mason, assignors to Newman and Guardia Limited, London, England. Camera. No. 1,088,492; Feb. 24; Gaz. vol. 199; p. 1151.
- Walters, Guy O., Longbeach, Cal. Fly-trap. No. 1,091,550; Mar. 31; Gaz. vol. 200; p. 1149.
- Walters, Jacob L., Sioux Valley, Minn. Plow-harrow. No. 1,121,427; Dec. 15; Gaz. vol. 209; p. 963.
- Walters, John. (See Stovall, Thomas H., assignor.)
- Walters, Julius W., Glens Falls, N. Y. Propeller. No. 1,087,203; Feb. 17; Gaz. vol. 199; p. 660.
- Walters, Julius W., Glens Falls, N. Y. Pulp-grinder. No. 1,088,857; Mar. 3; Gaz. vol. 200; p. 63.
- Walters, William J., Detroit, and W. Boyd, Grand Rapids, Mich. Vehicle-tire. No. 1,120,348; Dec. 8; Gaz. vol. 209; p. 538.
- Waltham Watch Company. (See Conover, Fitch, assignor.)
- Waltham Watch Company. (See Fitch, Ezra C., assignor.)
- Waltham Watch Company. (See Ohlson, Olof, assignor.)
- Waltham Watch Company. (See Rushton, John W., assignor.)
- Walther, George, Dayton, Ohio. Automobile truck-wheel. No. 1,120,256; Dec. 8; Gaz. vol. 209; p. 504.
- Walther, Heinrich, assignor to Nollische Werke Ernst Nolle, Weissenfels, Germany. Pulling-over machine. No. 1,110,170; Sept. 8; Gaz. vol. 206; p. 508.
- Walther, Heinrich, assignor to Nollische Werke Ernst Nolle, Weissenfels, Saxony, Germany. Lasting and nailing machine. No. 1,110,171; Sept. 8; Gaz. vol. 206; p. 509.
- Walther, Otto, Chemnitz, Germany. Embroidering-machine. No. 1,106,429; Aug. 11; Gaz. vol. 205; p. 335.
- Waltke, William A., St. Louis, Mo. Making disinfectant soap. No. 1,083,571; Jan. 6; Gaz. vol. 198; p. 103.
- Waltner, Adolph J., Freeman, S. D. Adjustable plow-hitch. No. 1,118,084; Nov. 24; Gaz. vol. 208; p. 1033.
- Walton, David D. (See Jones, Charles D., assignor.)
- Walton, Frank P., Cincinnati, Ohio. Display apparatus. No. 1,088,640; Feb. 24; Gaz. vol. 199; p. 1199.
- Walton, Frederick, Holborn, London, England. Vehicle suspension apparatus. No. 1,090,954; Mar. 24; Gaz. vol. 200; p. 904.
- Walton, Harry H., and P. Gotwalt, Harrisburg, Pa. Nut and bolt lock. No. 1,083,471; Jan. 6; Gaz. vol. 198; p. 71.
- Walton, Howard J., and C. M. Nerber, Titusville, Pa. Device for contracting piston-rings. No. 1,103,717; July 14; Gaz. vol. 204; p. 569.
- Walton, James C., Fort Worth, Tex., assignor of one-half to J. A. Wisherd, Stanton, Nebr. Gas-generator. No. 1,118,319; Nov. 24; Gaz. vol. 208; p. 1113.
- Walton, Jerrold F. (See Borgert, William C., assignor.)
- Walton, Julian N., Brooklyn, N. Y. Vacuum system. No. 1,112,872; Oct. 6; Gaz. vol. 207; p. 161.
- Walton, Ulrich W., Paton, Iowa. Automatic trip. No. 1,115,353; Oct. 27; Gaz. vol. 207; p. 1165.
- Walton, William L., and J. Wagar, Bantry, N. D. Motor-plow. No. 1,106,529; Aug. 11; Gaz. vol. 205; p. 373.
- Walz, John C. (See Quatmann, Richard C., assignor.)
- Wambaugh, William J., Morgantown, W. Va. Lamp-chimney. No. 1,122,049; Dec. 22; Gaz. vol. 209; p. 1218.
- Wamble, Charles, Concord, Cal. Portable knockdown stove. No. 1,084,509; Jan. 13; Gaz. vol. 198; p. 441.
- Wambsgans, Jacob and W. H., Peoria, Ill. Joint for artificial legs. No. 1,112,503; Oct. 6; Gaz. vol. 207; p. 31.
- Wambsgans, William H. (See Wambsgans, Jacob and W. H.)
- Wanamaker, Charles B., assignor to Leedy Manufacturing Company, Indianapolis, Ind. Sleigh-bells. No. 1,084,718; Jan. 20; Gaz. vol. 198; p. 545.
- Wanamaker, Charles B., assignor to Leedy Manufacturing Company, Indianapolis, Ind. Retaining-ring for drum-covers. No. 1,084,719; Jan. 20; Gaz. vol. 198; p. 545.
- Wanamaker, Harry. (See Smith and Wanamaker.)
- Wandel, Robert, Reutlingen, Germany. Knotter or strainer for paper manufacture. No. 1,105,227; July 28; Gaz. vol. 204; p. 1179.
- Wanderer Werke vorm. Winkelhofer & Jaenicke Akt.-Ges. (See Buschmann, Theodor E., assignor.)
- Wanderer-Werke, vormals Winkelhofer & Jaenicke, A. G. (See Greve, John E. W., assignor.)
- Wandrey, Fred G. (See Madsen and Wandrey.)
- Wang, Theodore, Jacksonville, Fla. Sprayer. No. 1,109,883; Sept. 8; Gaz. vol. 206; p. 404.
- Wangeman, Oscar C. (See Griffen and Wangeman.)
- Wangness, Carl M., Finley, N. D. Loader. No. 1,106,171; Aug. 4; Gaz. vol. 205; p. 205.
- Wann, John T., Berkeley, Cal. Evaporator. No. 1,089,027; Mar. 3; Gaz. vol. 200; p. 121.
- Wanner, Albert, Jr., Hoboken, N. J. Arm-chair. No. 1,088,385; Feb. 24; Gaz. vol. 199; p. 1116.
- Wappler Electric Manufacturing Company. (See Fayer, Charles F., assignor.)
- Wappler, Reinhold H., assignor to American Cystoscope Makers, Inc., New York, N. Y. Diagnostic lamp. No. 1,087,998; Feb. 24; Gaz. vol. 199; p. 984.
- Wappler, Reinhold H., assignor to D. T. Garrie, New York, N. Y. Therapeutic electric apparatus. No. 1,092,878; Apr. 14; Gaz. vol. 201; p. 294.
- Ward, Albert. (See Ward, Karl and A.)
- Ward, Alfred, Port Huron, Mich. Dauber-securing device. No. 1,101,671; June 30; Gaz. vol. 203; p. 1320.
- Ward, Alfred, Bowbells, N. D. Stubble-burner. No. 1,112,241; Sept. 29; Gaz. vol. 206; p. 1348.
- Ward, Annie, Seattle, Wash. Collapsible washtub. No. 1,097,690; May 26; Gaz. vol. 202; p. 987.
- Ward B. Story Company. (See Story, Ward B., assignor.)
- Ward, Charles A., New York, N. Y. Motor-truck. No. 1,111,510; Sept. 22; Gaz. vol. 206; p. 1057.
- Ward, Charles A., New York, N. Y. Transmission-gearing. (Reissue.) No. 13,838; Dec. 1; Gaz. vol. 209; p. 308.
- Ward, Charles E., Tronsdale, Okla. Cultivator. No. 1,100,512; June 16; Gaz. vol. 203; p. 816.
- Ward, Daniel O., deceased, Oak Park, Ill.; N. L. Ward, administratrix. Self-locking nut and making same. No. 1,087,056; Feb. 10; Gaz. vol. 199; p. 556.
- Ward, Daniel O., deceased, Oak Park, Ill.; N. L. Ward, administratrix. Blank for self-locking nuts. No. 1,101,501; June 23; Gaz. vol. 203; p. 1212.
- Ward, David H., Vancouver, British Columbia, Canada. Display advertising mechanism. No. 1,090,668; Mar. 17; Gaz. vol. 200; p. 776.
- Ward, Douglas M., Gary, Ind. Detachable connection for building-blocks. No. 1,115,260; Oct. 27; Gaz. vol. 207; p. 1135.
- Ward, Edward K., Davenport, Iowa. Vacuum street-sweeper. No. 1,107,564; Aug. 18; Gaz. vol. 205; p. 785.
- Ward, Edward M., et al. (See Harding, Lester E., assignor.)
- Ward, Ernest N. and F. J., assignors of one-third to S. M. West, Baxter Springs, Kans. Pump. No. 1,122,178; Dec. 22; Gaz. vol. 209; p. 1260.
- Ward, Frank D., New York, N. Y. Slack-adjuster for railway-brakes. No. 1,112,504; Oct. 6; Gaz. vol. 207; p. 32.
- Ward, Frank D., New York, N. Y., assignor to Sauvage Ward Brake Company, Inc. Slack-adjuster for railway-brakes. No. 1,113,720; Oct. 13; Gaz. vol. 207; p. 499.
- Ward, Frederick A., and W. N. Taylor, Toledo, Ohio. Gear-grinding machine. No. 1,104,589; July 21; Gaz. vol. 204; p. 910.
- Ward, Frederick H., Brooklyn, N. Y. Electric-box connection. No. 1,113,520; Oct. 13; Gaz. vol. 207; p. 431.
- Ward, Frederick J. (See Ward, Ernest N. and F. J.)
- Ward, George R., New York, N. Y. Wrapping-machine. No. 1,087,413; Feb. 17; Gaz. vol. 199; p. 733.
- Ward, George R., New York, N. Y., assignor to The Wrapping Machine Company of America. Bread-wrapping machine. No. 1,094,614; Apr. 28; Gaz. vol. 201; p. 980.
- Ward, Henry J., assignor to B. C. Dickey, Indiana Harbor, Ind. Car-seal. No. 1,108,953; Sept. 1; Gaz. vol. 206; p. 33.
- Ward, Irvine D., Halifax, and A. T. Metcalf, Bradford, England. Cleaning device for weather-screens of motor-vehicles, &c. No. 1,117,286; Nov. 17; Gaz. vol. 208; p. 713.
- Ward, John D., deceased; L. H. Ward, administratrix, Buffalo, N. Y. Adding-machine. No. 1,109,378; Sept. 1; Gaz. vol. 206; p. 187.
- Ward, John E., New York, N. Y., assignor to Standard Heat and Ventilation Company, Inc. Car-ventilator. No. 1,092,879; Apr. 14; Gaz. vol. 201; p. 294.
- Ward, John E., New York, N. Y., assignor to Standard Heat and Ventilation Company. Pipe-coupling. No. 1,099,220; June 9; Gaz. vol. 203; p. 335.
- Ward, John M., Washington, D. C. Pneumatic drier. No. 1,108,285; Aug. 25; Gaz. vol. 205; p. 1085.
- Ward, John S., Weimar, Tex. Garden implement. No. 1,089,298; Mar. 3; Gaz. vol. 200; p. 213.
- Ward, John W., Klamath Falls, Oreg. Crate. No. 1,116,651; Nov. 10; Gaz. vol. 208; p. 452.
- Wård, Karl and A., Stockholm, Sweden. Centrifugal purifying apparatus for fluids. No. 1,098,927; June 2; Gaz. vol. 203; p. 194.
- Ward, Lewis G., William, W. Va. Belt-cutting machine. No. 1,092,547; Apr. 7; Gaz. vol. 201; p. 146.
- Ward, Lillian H., administratrix. (See Ward, John D.)
- Ward, Nellie L., administratrix. (See Ward, Daniel O.)
- Ward, Orin W., New York, N. Y. Box construction. No. 1,088,493; Feb. 24; Gaz. vol. 199; p. 1151.
- Ward Pump Company. (See Johnson, Oscar W., assignor.)
- Ward, Raymond E., and C. Crowl, East Palestine, Ohio. Valve. No. 1,104,944; July 28; Gaz. vol. 204; p. 1081.
- Ward, Raymond L., assignor of one-half to B. N. Johnson, Kansas City, Mo. Sheet-holddown attachment for fly-sticks. No. 1,115,629; Nov. 3; Gaz. vol. 208; p. 55.
- Ward, Richard J., Dunton, N. Y. Apparatus for reducing electric currents. No. 1,085,393; Jan. 27; Gaz. vol. 198; p. 812.
- Ward, Robert E., Kansas City, Mo. Fish-hook. No. 1,120,870; Dec. 15; Gaz. vol. 209; p. 769.

Alphabetical list of patentees—Continued.

- Ward, Robert F., assignor of one-half to J. M. Brown, Kingstree, S. C. Cultivator. No. 1,117,728; Nov. 17; Gaz. vol. 208; p. 870.
- Ward, Robert L., Robinson, Ill. Truss. No. 1,109,379; Sept. 1; Gaz. vol. 206; p. 187.
- Ward, William H., Bayonne, N. J. Combined toilet mirror and lamp. No. 1,120,773; Dec. 15; Gaz. vol. 209; p. 736.
- Ward, William H., Cumberland, Md. Measuring-pump. No. 1,117,729; Nov. 17; Gaz. vol. 208; p. 871.
- Ward, William L., E. C. Boerner, and H. D. Remsen, assignors to Russell, Burdall & Ward Bolt and Nut Co., Port Chester, N. Y. Double-acting automatic nut-blank machine. No. 1,088,192; Feb. 24; Gaz. vol. 199; p. 1052.
- Ward, William M., assignor of one-half to E. O. Millay, Romeo, Mich. Shock-absorber. No. 1,095,610; May 5; Gaz. vol. 202; p. 149.
- Wardell, Henry R., New York, N. Y., assignor to H. W. Johns-Manville Company. Metal-reinforced roofing. No. 1,096,579; May 12; Gaz. vol. 202; p. 514.
- Warden, Marine R., Chicago, Ill. Wave-motor. No. 1,096,332; May 12; Gaz. vol. 202; p. 433.
- Warden, William F., Akron, Ohio. Filter. No. 1,108,037; Aug. 18; Gaz. vol. 205; p. 950.
- Warden, William F., assignor to The Burt Manufacturing Company, Akron, Ohio. Fan-ventilator. No. 1,117,287; Nov. 17; Gaz. vol. 208; p. 713.
- Wardin, Leonard D., Los Angeles, Cal. Engraver's adjustable transfer and manufacturing said transfer. No. 1,113,588; Oct. 13; Gaz. vol. 207; p. 453.
- Wardle, Joseph D., *et al.* (See Munson, John G., assignor.)
- Wardlow, Hazen, assignor to H. T. Goddin, Naylor, Mo. Cattle-guard. No. 1,096,082; May 12; Gaz. vol. 202; p. 345.
- Wardlow, James M., Ada, Okla. Hoe. No. 1,095,756; May 5; Gaz. vol. 202; p. 199.
- Wardroper, Frank L., Oklahoma, Okla. Door-lock. No. 1,098,601; June 2; Gaz. vol. 203; p. 85.
- Wardwell Braiding Machine Company. (See Wardwell, Simon W., assignor.)
- Wardwell, Daniel W., Rome, N. Y. Soap-holder for shaving-cups. No. 1,112,664; Oct. 6; Gaz. vol. 207; p. 91.
- Wardwell, Simon W., Providence, R. I. Take-up and winding-on mechanism for braiding-machines. No. 1,083,642; Jan. 6; Gaz. vol. 198; p. 127.
- Wardwell, Simon W., Providence, R. I. Braiding-machine. No. 1,085,369; Jan. 27; Gaz. vol. 198; p. 803.
- Wardwell, Simon W., Providence, R. I. Winding-machine. No. 1,093,900; Apr. 21; Gaz. vol. 201; p. 680.
- Wardwell, Simon W., Providence, R. I. Stopping device for winding-spindles. No. 1,097,691; May 26; Gaz. vol. 202; p. 987.
- Wardwell, Simon W., Providence, R. I., assignor to Supreme Knitting Bobbin Company, Portland, Me. Winding-machine. No. 1,118,603; Nov. 24; Gaz. vol. 208; p. 1216.
- Wardwell, Simon W., Providence, R. I., assignor to Supreme Knitting Bobbin Company, Portland, Me. Winding-machine. No. 1,118,604; Nov. 24; Gaz. vol. 208; p. 1216.
- Wardwell, Simon W., Providence, R. I., assignor to Wardwell Braiding Machine Company, Portland, Me. Clutch device. No. 1,118,605; Nov. 24; Gaz. vol. 208; p. 1216.
- Ware Grain Binder Attachment Co. (See Heitmiller, Herman E., assignor.)
- Ware Grain Binder Attachment Company. (See Ware, Joseph L., assignor.)
- Ware, Joseph L., assignor to Ware Grain Binder Attachment Company, St. Paul, Minn. Binder-head. No. 1,106,604; Aug. 11; Gaz. vol. 205; p. 401.
- Ware, Raymond, Boston, Mass. Internal-combustion engine. No. 1,107,468; Aug. 18; Gaz. vol. 205; p. 751.
- Ware, Walter, Chicago, Ill. Roller. No. 1,110,360; Sept. 15; Gaz. vol. 206; p. 614.
- Warfield, Lewis, New York, N. Y. Tire. No. 1,086,876; Feb. 10; Gaz. vol. 199; p. 499.
- Warham, R. William. (See Warham, Robert F., assignor.)
- Warham, Robert F., Applegate, Cal., assignor of one-half to R. W. Warham, Honolulu, Hawaii. Facial steamer. No. 1,119,910; Dec. 8; Gaz. vol. 209; p. 382.
- Waring, Arthur B., New York, N. Y. Manufacture of felt hats. No. 1,085,370; Jan. 27; Gaz. vol. 198; p. 804.
- Waring, Arthur B., New York, N. Y. Felt hat. No. 1,115,042; Oct. 27; Gaz. vol. 207; p. 1058.
- Waring, Arthur B., New York, N. Y. Decorating felt hats. No. 1,115,043; Oct. 27; Gaz. vol. 207; p. 1059.
- Waring, Arthur B., New York, N. Y. Making felt hats. No. 1,115,354; Oct. 27; Gaz. vol. 207; p. 1165.
- Waring, Edward M., New York, N. Y. Suction cleaning apparatus. No. 1,105,942; Aug. 4; Gaz. vol. 205; p. 125.
- Waring Hat M'fg. Co. (See Lowe, George A., assignor.)
- Waring, Vechten, Brooklyn, N. Y. Page-holder for books and the like. No. 1,094,502; Apr. 28; Gaz. vol. 201; p. 942.
- Warland Dual Rim Company Limited, The. (See Cope, Sidney H., assignor.)
- Warman, Charles R., Newark, Ohio. Baling-press alarm. No. 1,098,602; June 2; Gaz. vol. 203; p. 85.
- Warman, William A., New York, N. Y. Valve mechanism for pumps, engines, &c. No. 1,109,271; Sept. 1; Gaz. vol. 206; p. 147.
- Warman, William A., New York, N. Y. Air compressor or motor. No. 1,109,805; Sept. 8; Gaz. vol. 206; p. 374.
- Warne, Ivar F. (See Abrams and Warne.)
- Warne, Ivar F., Syracuse, N. Y., assignor, by mesne assignments, to Continental Can Company, Inc. Mechanism for feeding can ends. No. 1,092,613; Apr. 7; Gaz. vol. 201; p. 169.
- Warne, Ivar F., Syracuse, N. Y., assignor, by mesne assignments, to Continental Can Company, Inc. Lap-seam-body maker. No. 1,094,179; Apr. 21; Gaz. vol. 201; p. 775.
- Warne, Alfred, Miami, Fla. Folding trunk. No. 1,114,321; Oct. 20; Gaz. vol. 207; p. 751.
- Warne, Alfred, Miami, Fla. Collapsible barrel. No. 1,116,770; Nov. 10; Gaz. vol. 208; p. 493.
- Warne, Frederick C., assignor to The Roderick Lean Manufacturing Company, Mansfield, Ohio. Cultivator. No. 1,104,027; July 21; Gaz. vol. 204; p. 715.
- Warne, Frederick C., assignor to The Roderick Lean Manufacturing Company, Mansfield, Ohio. Cultivator. No. 1,107,390; Aug. 18; Gaz. vol. 205; p. 723.
- Warne, Frederick C., assignor to Roderick Lean Manufacturing Company, Mansfield, Ohio. Head for land-roller drums. No. 1,108,038; Aug. 18; Gaz. vol. 205; p. 951.
- Warne, Frederick C., assignor to Roderick Lean Manufacturing Company, Mansfield, Ohio. Cultivator. No. 1,110,471; Sept. 15; Gaz. vol. 206; p. 654.
- Warnecke, Fredrick C., Madison, Wis. Bird and animal cage. No. 1,123,044; Dec. 29; Gaz. vol. 209; p. 1601.
- Warner, Alonzo A., assignor to Landers, Frary & Clark, New Britain, Conn. Electric heater. No. 1,120,003; Dec. 8; Gaz. vol. 209; p. 418.
- Warner Arms Corporation. (See Fyrberg, Andrew, assignor.)
- Warner, Arthur L., Moline, Ill., assignor to Williams, White & Company. Crank-shaft-forging apparatus. No. 1,108,954; Sept. 1; Gaz. vol. 206; p. 34.
- Warner, Arthur W. (See Carpenter and Warner.)
- Warner Brothers Company, The. (See Dunn, James, assignor.)
- Warner Brothers Company, The. (See Hartnett, John F., assignor.)
- Warner Brothers Company. (See Langhammer and Johnson, assignors.)
- Warner Brothers Company, The. (See Warner, De Ver H., assignor.)
- Warner Brothers Company, The. (See Wilson, Clarence C., assignor.)
- Warner, Charles E., Ottawa, Kans. Automobile-jack. No. 1,100,932; June 23; Gaz. vol. 203; p. 1016.
- Warner, Charles H., Beloit, Wis., assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation. Spiral-gear power-transmitting device. No. 1,088,947; Mar. 3; Gaz. vol. 200; p. 95.
- Warner, Charles H., and A. B. Cadman, Beloit, Wis., assignors, by mesne assignments, to Stewart-Warner Speedometer Corporation. Speed-indicating instrument. No. 1,088,948; Mar. 3; Gaz. vol. 200; p. 95.
- Warner, Clyde W., Vancouver, British Columbia, Canada. Trolley-head. No. 1,116,652; Nov. 10; Gaz. vol. 208; p. 452.
- Warner, De Ver H., assignor to The Warner Brothers Company, Bridgeport, Conn. Buckle. No. 1,099,527; June 9; Gaz. vol. 203; p. 440.
- Warner, Earl A. (See Plummer, Hausser, and Warner.)
- Warner, Frank A., Washington, Vt. Bed. No. 1,096,333; May 12; Gaz. vol. 202; p. 433.
- Warner, Franklin B., assignor to Kirtland Bros. & Co., New York, N. Y. Multifocal telescope. No. 1,088,494; Feb. 24; Gaz. vol. 199; p. 1152.
- Warner, George R., Snover, Mich. Holdback. No. 1,111,111; Sept. 22; Gaz. vol. 206; p. 920.
- Warner, Henry S. (See Sinclair, Harry R., assignor.)
- Warner Jewelry Case Company. (See Sundee, John R., assignor.)
- Warner, Lea P., assignor to Jordan Machine Company, Philadelphia, Pa. Machine for tonguing and grooving box parts. No. 1,106,759; Aug. 11; Gaz. vol. 205; p. 454.
- Warner, Lewis C., Naugatuck, assignor to The Beacon Falls Rubber Shoe Company, Beacon Falls, Conn. Treating rubber. No. 1,122,824; Dec. 29; Gaz. vol. 209; p. 1524.
- Warner, Robert L., Concord, and A. O. Niedner, Malden, Mass.; said Niedner assignor to said Warner. Sight for firearms. No. 1,083,966; Jan. 13; Gaz. vol. 198; p. 262.
- Warner, Sherman F. (See Smith and Warner.)
- Warner, Thomas H., Denver, Colo. Removable calk for horseshoes. No. 1,086,250; Feb. 3; Gaz. vol. 199; p. 236.
- Warner, Thomas S., Springfield, Ohio. Cultivator. No. 1,108,286; Aug. 25; Gaz. vol. 205; p. 1086.
- Warnick, Edward W., Cuyahoga Falls, Ohio. Trolley-wheel guard. No. 1,093,507; Apr. 14; Gaz. vol. 201; p. 505.

Alphabetical list of patentees—Continued.

- Warnick, William, and H. L. Leilich, assignors to The Delphos Manufacturing Company, Delphos, Ohio. Knockdown brooder-coop. No. 1,083,572; Jan. 6; Gaz. vol. 198; p. 103.
- Warnock, Samuel J., Chicago, Ill., and J. J. Neuman, Beaver Dam, Wis. Radiator-bushing. No. 1,097,780; May 26; Gaz. vol. 202; p. 1020.
- Waroczky, John, Duquesne, Pa. Compound hoe. No. 1,110,089; Sept. 8; Gaz. vol. 206; p. 478.
- Warrell, John D., Deweyville, Tex. Fan attachment for sewing-machines. No. 1,114,076; Oct. 20; Gaz. vol. 207; p. 663.
- Warren, Alexander C., Chicago, Ill. Card-index. No. 1,118,165; Nov. 24; Gaz. vol. 208; p. 1059.
- Warren, Alfred T., New York, N. Y. Automatic water-supply apparatus. No. 1,096,519; May 12; Gaz. vol. 202; p. 494.
- Warren, Alva S., Batavia, N. Y. Cabbage-harvester. No. 1,110,844; Sept. 15; Gaz. vol. 206; p. 785.
- Warren, Charles E., Helena, Mont. Ditcher. No. 1,089,802; Mar. 10; Gaz. vol. 200; p. 434.
- Warren, Charles L., Jamaica, N. Y. Garment-hanger. No. 1,098,339; May 26; Gaz. vol. 202; p. 1215.
- Warren Featherbone Company, The. (See Gelow, Albert, assignor.)
- Warren Featherbone Company, The. (See Morley, Albert, assignor.)
- Warren, Frank, Seattle, Wash. Coin-operated vending-machine. No. 1,088,949; Mar. 3; Gaz. vol. 200; p. 96.
- Warren, Frank R. (See Reynolds, Johnson, and Warren.)
- Warren, George B., Rockford, Ill. Feed box or trough. No. 1,102,371; July 7; Gaz. vol. 204; p. 51.
- Warren, Henry, Kinmundy, Ill. Road-scraper. No. 1,086,740; Feb. 10; Gaz. vol. 199; p. 450.
- Warren, Henry E., *et al.* (See Warren, John N., assignor.)
- Warren, Henry E., Ashland, Mass. Electric apparatus for driving clocks or similar mechanism. No. 1,089,886; Mar. 10; Gaz. vol. 200; p. 463.
- Warren, Henry E., assignor to The Lombard Governor Company, Ashland, Mass. Mechanism for controlling the speed of turbines or other prime movers connected in parallel. No. 1,095,178; Apr. 28; Gaz. vol. 201; p. 1180.
- Warren, Henry E., assignor to The Lombard Governor Company, Ashland, Mass. High-pressure prime mover. No. 1,114,077; Oct. 20; Gaz. vol. 207; p. 663.
- Warren, Henry E., assignor to Mac-It Parts Company, Lancaster, Pa. Method of and apparatus for generating holes in metal. No. 1,123,045; Dec. 29; Gaz. vol. 209; p. 1601.
- Warren, Irene, Chicago, Ill. Holder for lantern-slides, cards, &c. No. 1,111,422; Sept. 22; Gaz. vol. 206; p. 1027.
- Warren, Jemima, McComb, Ohio. Supporter. No. 1,103,114; July 14; Gaz. vol. 204; p. 358.
- Warren, John B., assignor to Broadfield Poultry Farm, Incorporated, Bolton, Mass. Tray for egg-cases. No. 1,097,743; May 26; Gaz. vol. 202; p. 1006.
- Warren, John N., assignor of one-third to H. E. Warren and one-third to H. E. Mack, Jr., Lancaster, Pa. Tool-post screw and making the same. No. 1,094,825; Apr. 28; Gaz. vol. 201; p. 1057.
- Warren, John R., Grand Rapids, Mich. Internal-combustion engine. No. 1,092,787; Apr. 7; Gaz. vol. 201; p. 227.
- Warren, Lew W. (See Rubert, George L., assignor.)
- Warren, Murray H., Mexico, Mexico. Apparatus for refining petroleum. No. 1,110,361; Sept. 15; Gaz. vol. 206; p. 615.
- Warren, Peter R., Boston, Mass. Display-card. No. 1,093,303; Apr. 14; Gaz. vol. 201; p. 441.
- Warren, Peter R., Boston, Mass. Display-container. No. 1,099,832; June 9; Gaz. vol. 203; p. 543.
- Warren, Philip E., New York, N. Y. Non-refillable bottle. No. 1,084,510; Jan. 13; Gaz. vol. 198; p. 442.
- Warren, Roy L., Oxford, Ohio. Music-leaf turner. No. 1,123,046; Dec. 29; Gaz. vol. 209; p. 1602.
- Warren Steam Pump Company. (See Gage, Burt O., assignor.)
- Warren Webster & Company. (See Bilyeu, William F., assignor.)
- Warren Webster & Company. (See Braemer, William G. R., assignor.)
- Warren Webster & Company. (See Fitts, James L., assignor.)
- Warren Webster & Company. (See Miller, Maximilian P., assignor.)
- Warren Webster & Company. (See Montreuil, Francis H., assignor.)
- Warren Webster & Company. (See Osbourn, Millard P., assignor.)
- Warren Webster & Company. (See Osbourn and Comfort, assignors.)
- Warren Webster & Company. (See Serrell and Fitts, assignors.)
- Warren, Willie E., West York, Ill. Concrete railway-tie. No. 1,123,047; Dec. 29; Gaz. vol. 209; p. 1602.
- Warren, Willis D. P. (See Morse and Warren.)
- Warrilow, Charles. (See Flaberty and Warrilow.)
- Warriner, Walter, Fort Wayne, Ind. Pliers. No. 1,111,200; Sept. 22; Gaz. vol. 206; p. 953.
- Warsen, August W., New York, N. Y. Crusher. No. 1,101,480; June 23; Gaz. vol. 203; p. 1203.
- Wartler, Levi, and P. F. Loichot, assignors to The Louisville Machine Company, Louisville, Ohio. Tile and brick forming and cutting table. No. 1,108,287; Aug. 25; Gaz. vol. 205; p. 1086.
- Warthen, Harry J., Washington, D. C. Electric signal system for railways. No. 1,090,357; Mar. 17; Gaz. vol. 200; p. 667.
- Warthen, Harry J., Washington, D. C. System for controlling the operation of railway-trains. No. 1,090,358; Mar. 17; Gaz. vol. 200; p. 667.
- Warthen, Harry J., Washington, D. C. Electric train-control system for railways. No. 1,090,359; Mar. 17; Gaz. vol. 200; p. 668.
- Warthen, Harry J., Washington, D. C. Electric signal for railways. No. 1,090,360; Mar. 17; Gaz. vol. 200; p. 668.
- Warthen, Harry J., Washington, D. C. Apparatus for controlling the speed of railway-trains. No. 1,090,361; Mar. 17; Gaz. vol. 200; p. 669.
- Warthen, Harry J., Washington, D. C. Electric signal for railways. No. 1,090,362; Mar. 17; Gaz. vol. 200; p. 669.
- Warthen, Harry J., Washington, D. C. Trolley for electric signals for railways. No. 1,090,363; Mar. 17; Gaz. vol. 200; p. 669.
- Warthen, Harry J., Washington, D. C. Automatic air-brake control for railways. No. 1,090,806; Mar. 17; Gaz. vol. 200; p. 820.
- Warthen, Harry J., Washington, D. C. Device for controlling the speed of railway-trains. No. 1,090,807; Mar. 17; Gaz. vol. 200; p. 821.
- Wartman, John J., New York, N. Y. Plumb-stock. No. 1,110,976; Sept. 15; Gaz. vol. 206; p. 831.
- Warwick, George T., Springfield, Mass. Machine for making blanks for screws. No. 1,091,551; Mar. 31; Gaz. vol. 200; p. 1149.
- Warwick, George T., Springfield, Mass. Machine for slotting and shaping the heads of screws. No. 1,099,678; June 9; Gaz. vol. 203; p. 493.
- Warwick, John F., Chicago, Ill. Tank and stand-pipe protector. No. 1,120,108; Dec. 8; Gaz. vol. 209; p. 451.
- Warwick, Oscar A., and O. O. Campbell, Bowling Green, Mo. Bed-spring tightener. No. 1,102,111; June 30; Gaz. vol. 203; p. 1477.
- Wasen, Ernest, New York, N. Y. Scarf-form. No. 1,097,491; May 19; Gaz. vol. 202; p. 874.
- Washburn, Frank S., Nashville, Tenn. Rendering calcium cyanamid non-dusting. No. 1,098,651; June 2; Gaz. vol. 203; p. 101.
- Washburn, Frank S., Nashville, Tenn. Fertilizer and making the same. No. 1,100,638; June 16; Gaz. vol. 203; p. 857.
- Washburn, Frank S., Nashville, Tenn. Process and apparatus for making phosphoric acid and compounds of the same. No. 1,100,639; June 16; Gaz. vol. 203; p. 857.
- Washburn, Frank S., Nashville, Tenn. Fertilizer and producing the same. No. 1,103,115; July 14; Gaz. vol. 204; p. 358.
- Washburn, Frank S., Nashville, Tenn. Making ammonium phosphate. No. 1,115,044; Oct. 27; Gaz. vol. 207; p. 1059.
- Washburn, George S., Belle Plaine, Iowa. Hay-rack. No. 1,111,982; Sept. 29; Gaz. vol. 206; p. 1258.
- Washburn, Herbert I., Laurel Springs, N. J. Motor-driven device for tilling the soil. No. 1,087,620; Feb. 17; Gaz. vol. 199; p. 807.
- Washburn, James M., Chicago, Ill. Support for cards, pictures, and the like. No. 1,123,151; Dec. 29; Gaz. vol. 209; p. 1639.
- Washburn, Roderick T. (See Huff, Maribo C., assignor.)
- Washburn, William F., Newark, N. J. Carbureter. No. 1,123,048; Dec. 29; Gaz. vol. 209; p. 1602.
- Washburne, Ajay, Fruitvale, Cal. Gyrotory rock-crusher. No. 1,087,204; Feb. 17; Gaz. vol. 199; p. 660.
- Washburne, James V., Fulton, N. Y. Loose-leaf binder. No. 1,094,951; Apr. 28; Gaz. vol. 201; p. 1101.
- Washburne, John L., Rock Falls, Ill. Pasteboard-box opener. No. 1,095,251; May 5; Gaz. vol. 202; p. 27.
- Washington Cutlery Company. (See Volckmann, Hugo, assignor.)
- Washington, Eugene, Pittsburgh, Pa. Trolley. No. 1,083,715; Jan. 6; Gaz. vol. 198; p. 152.
- Washington, J. E., Jr. (See Kuhns, James H., assignor.)
- Washington, Lonnie G., Dunnellon, Fla. Combined automobile and boat. No. 1,122,671; Dec. 29; Gaz. vol. 209; p. 1470.
- Washington, Madison T. B., assignor of one-fifth to J. W. Witherspoon, New York, N. Y. Mechanical motor. No. 1,109,380; Sept. 1; Gaz. vol. 206; p. 187.
- Washington Steel & Ordnance Company. (See Burton, William A., assignor.)
- Washington Steel & Ordnance Company. (See Keen, William H., assignor.)
- Wasley, Thomas E., San Jose, Cal. Apparatus for incinerating refuse material. No. 1,094,503; Apr. 28; Gaz. vol. 201; p. 942.
- Wasley, Thomas E., San Jose, Cal. Apparatus for handling invalids and others. No. 1,122,825; Dec. 29; Gaz. vol. 209; p. 1524.

Alphabetical list of patentees—Continued.

- Wason, Alfred E. (See Pinkerton and Wason.)
 Wassell, Clifford R. (See Babendreer and Wassell.)
 Wasson Engineering & Supply Co. (See Lang, Charles E., assignor.)
 Watchorn, Robert. (See Stewart, Alfred C., assignor.)
 Waterbury Buckle Company. (See Moore, Roswell A., assignor.)
 Waterbury Button Company, The. (See Smith, Joseph R., assignor.)
 Waterbury Clock Co. (See Horn, Ernest H., assignor.)
 Waterbury Clock Co. (See Putnam, James R., assignor.)
 Waterbury Clock Co. (See Smith, William J., assignor.)
 Waterbury Clock Co. (See Wehinger, Frederick, assignor.)
 Waterbury, Emery D., Sawtelle, assignor of one-half to M. Lintner, Napa, Cal. Can sealing and opening device. (Reissue.) No. 13,709; Mar. 31; Gaz. vol. 200; p. 1351.
 Waterbury Farrel Foundry and Machine Company, The. (See Nickerson, Clarendon, assignor.)
 Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
 Waterbury Mfg. Co. (See Crane, Arthur T., assignor.)
 Waterbury Mfg. Co. (See Goetz, Henry F., assignor.)
 Waterbury Mfg. Co. (See Monaghan, William J., assignor.)
 Waterbury Mfg. Co. (See Recker, Adolph C., assignor.)
 Waterbury Tool Company, The. (See Janney, Reynold, assignor.)
 Waterfield, James, assignor to Quaker Lace Company, Philadelphia, Pa. Lace fabric and making same. No. 1,110,845; Sept. 15; Gaz. vol. 206; p. 785.
 Waterhouse, Addison G., assignor, by mesne assignments, to Atlas Still Mfg. Co., New York, N. Y. Distilling apparatus. No. 1,113,521; Oct. 13; Gaz. vol. 207; p. 431.
 Waterhouse, Addison G., Leonardo, and J. H. Van Mater, Atlantic Highlands, N. J. Treating vegetable and mineral matter by heat. No. 1,105,729; Aug. 4; Gaz. vol. 205; p. 51.
 Waterhouse, Harold D., Wollaston, Mass. Power tire-pump. (Reissue.) No. 13,687; Feb. 10; Gaz. vol. 199; p. 573.
 Waterhouse, Seymour W., San Jose, Cal. Detector and alarm for pneumatic tires. No. 1,096,408; May 12; Gaz. vol. 202; p. 457.
 Waterhouse, Walter H. (See Sheldon, Clarence O., assignor.)
 Waterloo Register Company, The. (See Knox, John O., assignor.)
 Waterloo Skirt & Garment Company. (See Dignan, Ruth, assignor.)
 Waterman, Frank R., Medford, assignor of one-half to E. J. Hall, Brockton, Mass. Garment-clasp. No. 1,113,522; Oct. 13; Gaz. vol. 207; p. 432.
 Waterman, Frank W., Baltimore, Md. Apparatus for extracting turpentine and resinous substances from wood. No. 1,099,779; June 9; Gaz. vol. 203; p. 526.
 Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Disk barrow. No. 1,104,748; July 21; Gaz. vol. 204; p. 963.
 Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Rake. No. 1,104,749; July 21; Gaz. vol. 204; p. 964.
 Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Plow-lift. No. 1,104,750; July 21; Gaz. vol. 204; p. 964.
 Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Plow-beam. No. 1,107,733; Aug. 18; Gaz. vol. 205; p. 845.
 Waterman, Russell R., assignor to San Diego Aerial Navigation Co., San Diego, Cal. Attachment for dirigible balloons or gas-bags. No. 1,103,388; July 14; Gaz. vol. 204; p. 451.
 Waterman, William H., Bigsring, Nebr. Steering device for tractors. No. 1,096,974; May 19; Gaz. vol. 202; p. 694.
 Waterman, William K., New York, N. Y. Tablet. No. 1,086,960; Feb. 10; Gaz. vol. 199; p. 527.
 Waterous, Charles P., *et al.*, executors. (See Waterous, Frederick L.)
 Waterous, Frank J., *et al.*, executors. (See Waterous, Frederick L.)
 Waterous, Frederick L., deceased, St. Paul, Minn.; J. C. P., and F. J. Waterous, executors. Clutch mechanism. No. 1,106,605; Aug. 11; Gaz. vol. 205; p. 401.
 Waterous, Jane, *et al.*, executors. (See Waterous, Frederick L.)
 Waters, Charles W. (See Kent and Waters.)
 Waters, George G. (See Weil and Waters.)
 Waters, Joseph G., *et al.* (See Kane, Peter W., assignor.)
 Waters, Lena, *et al.* (See Baum, James B., assignor.)
 Waters, Orthello, Long Beach, Cal. Vehicle-spring. No. 1,105,010; July 28; Gaz. vol. 204; p. 1103.
 Waters, Samuel S., Washington, D. C. Recording and indicating device for musical instruments. No. 1,103,553; July 14; Gaz. vol. 204; p. 507.
 Waters, Samuel S., Washington, D. C., assignor to Aeolian Company, New York, N. Y. Combined player-piano and phonograph. No. 1,119,333; Dec. 1; Gaz. vol. 209; p. 149.
 Waters, Samuel S., Washington, D. C., assignor to Aeolian Company, New York, N. Y. Making records for musical instruments. No. 1,122,826; Dec. 29; Gaz. vol. 209; p. 1524.
 Waters, William G., Athens, Ga. Bed-brace. No. 1,117,116; Nov. 10; Gaz. vol. 208; p. 612.
 Waterson, Eli, Victoria, British Columbia, Canada. Builder's scaffold. No. 1,111,814; Sept. 29; Gaz. vol. 206; p. 1202.
 Waterston, Charles L. (See Ratterree and Waterston.)
 Watkins, Andrew J., Lyon, Mont. Bullet. No. 1,114,205; Oct. 20; Gaz. vol. 207; p. 710.
 Watkins, Benjamin G., W. P., and T., Elizabethtown, Ky. Post-hole auger. No. 1,110,517; Sept. 15; Gaz. vol. 206; p. 670.
 Watkins, Benjamin G., Nehawka, Nebr., and T. and W. P. Watkins, Elizabethtown, Ky. Earth-auger. No. 1,114,206; Oct. 20; Gaz. vol. 207; p. 711.
 Watkins, John, Dykes, Mo. Sickle-bar holder. No. 1,108,039; Aug. 18; Gaz. vol. 205; p. 951.
 Watkins, Mortimer P., Roanoke, Va. Metallic window. No. 1,098,652; June 2; Gaz. vol. 203; p. 101.
 Watkins, Samuel J., Avondale, Colo. Rail-joint. No. 1,095,440; May 5; Gaz. vol. 202; p. 91.
 Watkins, Taylor. (See Watkins, Benjamin G., W. P., and T.)
 Watkins, Tom, Gateway, Colo. Trap. No. 1,117,536; Nov. 17; Gaz. vol. 208; p. 800.
 Watkins, Walter P. (See Watkins, Benjamin G., W. P., and T.)
 Watkins, William A., assignor of one-half to S. A. Ratliff, Riverside, Cal. Air-supply means for motors. No. 1,089,998; Mar. 10; Gaz. vol. 200; p. 502.
 Watkins, William E., Boston, Mass. Puzzle. No. 1,111,337; Sept. 22; Gaz. vol. 206; p. 998.
 Watkins, William F., assignor to F. H. Hall and G. Lapray, Spokane, Wash. Storage-bin. No. 1,112,952; Oct. 6; Gaz. vol. 207; p. 188.
 Watkins, William J., assignor to O. G. Hurdleston, Fort Worth, Tex. Apparatus for manufacturing carbureted gas. No. 1,116,653; Nov. 10; Gaz. vol. 208; p. 453.
 Watres, Lewis S., assignor to Hull Manufacturing Company, Scranton, Pa. Water-feed controller for steam-boilers. No. 1,087,999; Feb. 24; Gaz. vol. 199; p. 985.
 Watres, Reyburn, Scranton, Pa. Locking-nut. No. 1,088,750; Mar. 3; Gaz. vol. 200; p. 27.
 Watres, Reyburn, Scranton, Pa., assignor, by mesne assignments, to National Graphite Lubrication Company, Wilmington, Del. Lubricating device for internal-combustion engines. No. 1,108,955; Sept. 1; Gaz. vol. 206; p. 34.
 Watrigant, Henri L. A. M. (See Guignard and Watrigant.)
 Watrous, Earl G., Chicago, Ill. Liquid-soap fixture. No. 1,094,615; Apr. 28; Gaz. vol. 201; p. 981.
 Watrous, Earl G., Chicago, Ill. Valve. No. 1,103,638; July 14; Gaz. vol. 204; p. 540.
 Watrous, Earl G., Chicago, Ill. Water-closet. No. 1,106,122; Aug. 4; Gaz. vol. 205; p. 189.
 Watrous, Earl G., Chicago, Ill. Lavatory-fixture. No. 1,108,956; Sept. 1; Gaz. vol. 206; p. 35.
 Watrous, Earl G., Chicago, Ill. Liquid-soap-dispensing device. No. 1,118,977; Dec. 1; Gaz. vol. 209; p. 25.
 Watrous, Edward L., Des Moines, Iowa, assignor to D. B. Gann, Chicago, Ill. Combined latch and handle. No. 1,086,571; Feb. 10; Gaz. vol. 199; p. 393.
 Watson, Biddle V., Utah, Ill. Wireless check-row planter. No. 1,101,978; June 30; Gaz. vol. 203; p. 1427.
 Watson, Brook E., *et al.* (See Jordan, George D., assignor.)
 Watson, Charles, Pomeroy, Wash. Conveyer. No. 1,095,441; May 5; Gaz. vol. 202; p. 91.
 Watson, Charles W. (See Sandage, Jacob R., assignor.)
 Watson, Charles W., Oak Park, Ill., assignor to Rota Engine Company. Internal-combustion engine. No. 1,112,579; Oct. 6; Gaz. vol. 207; p. 60.
 Watson, David S., Canastota, N. Y. Fire-shield. No. 1,100,003; June 16; Gaz. vol. 203; p. 640.
 Watson, Everett V. (See Osterhoudt, William D., assignor.)
 Watson, Frank C., Wallingford, Pa. Building structure. No. 1,113,268; Oct. 13; Gaz. vol. 207; p. 341.
 Watson, Frank H., Jonesboro, Ark. Violin-piano. No. 1,117,288; Nov. 17; Gaz. vol. 208; p. 714.
 Watson, Frank L., Lynchburg, Va. Expansion-trap. No. 1,096,654; May 12; Gaz. vol. 202; p. 540.
 Watson, George W., assignor to Nashua Card Gummed and Coated Paper Company, Nashua, N. H. Wrapping-machine. No. 1,110,090; Sept. 8; Gaz. vol. 206; p. 478.
 Watson, Harmon, Cullman, Ala. Railway-tie and fastener. No. 1,090,258; Mar. 17; Gaz. vol. 200; p. 634.
 Watson, J. R., Jr. (See Morse, Mark S., assignor.)
 Watson, James A., Winnipeg, Manitoba, Canada. Coffee-percolator. No. 1,108,288; Aug. 25; Gaz. vol. 205; p. 1086.
 Watson, James A., Washington, D. C., assignor to Bethlehem Steel Company, South Bethlehem, Pa. Projectile. No. 1,112,044; Sept. 29; Gaz. vol. 206; p. 1278.
 Watson, Jesse N., St. Louis, Mo. Casement-window-operating mechanism. No. 1,090,259; Mar. 17; Gaz. vol. 200; p. 634.

Alphabetical list of patentees—Continued.

- Watson, John, Passaic, N. J., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,099,478; June 9; Gaz. vol. 203; p. 424.
- Watson, John A., Raymond, Ill. Pipe-wrench. No. 1,113,269; Oct. 13; Gaz. vol. 207; p. 341.
- Watson, John W., Gary, Ind. Tongs. No. 1,111,338; Sept. 22; Gaz. vol. 206; p. 999.
- Watson Manufacturing Company. (See Watson and Carlson, assignors.)
- Watson & McDaniel Company. (See Jahn, Frederick L., assignor.)
- Watson, Oliver E., and R. Lint, Dayton, Ohio. Button-cleaning shield. No. 1,122,449; Dec. 29; Gaz. vol. 209; p. 1391.
- Watson, Orrin W., Spokane, Wash. Current-wheel. No. 1,083,472; Jan. 6; Gaz. vol. 198; p. 71.
- Watson, Orrin W., Spokane, Wash. Current-wheel. No. 1,120,109; Dec. 8; Gaz. vol. 209; p. 451.
- Watson, Richard M., Detroit, Mich. Loose-leaf binder. No. 1,089,515; Mar. 10; Gaz. vol. 200; p. 337.
- Watson, Richard M., assignor of one-half to O. P. Senzik, Detroit, Mich. Loose-leaf binder. No. 1,089,734; Mar. 10; Gaz. vol. 200; p. 411.
- Watson, Robert, Washington, D. C., assignor to G. C. Yocum, Scranton, Pa. Coin-controlled mechanism. No. 1,084,305; Jan. 13; Gaz. vol. 198; p. 378.
- Watson Solar Window Company. (See Iman, Orla H., assignor.)
- Watson, Strother, Gallatin, Tenn. Mail-bag catching and delivering apparatus. No. 1,084,984; Jan. 20; Gaz. vol. 198; p. 633.
- Watson, Wilbur J., Cleveland, Ohio. Reinforced concrete construction. No. 1,121,313; Dec. 15; Gaz. vol. 209; p. 924.
- Watson, William A., Malden, assignor to National Piano Company, Boston, Mass. Pneumatic valve mechanism. No. 1,094,351; Apr. 21; Gaz. vol. 201; p. 827.
- Watson, William A., Malden, assignor to National Piano Company, Boston, Mass. Pneumatic valve mechanism. No. 1,101,979; June 30; Gaz. vol. 203; p. 1428.
- Watson, William A., Malden, assignor to National Piano Company, Boston, Mass. Control for self-playing musical instruments. No. 1,106,998; Aug. 11; Gaz. vol. 205; p. 536.
- Watson, William A., Malden, assignor to National Piano Company, Boston, Mass. Automatic locking device for tracker mechanism. No. 1,112,242; Sept. 29; Gaz. vol. 206; p. 1349.
- Watson, William L., McKenzie, N. D. Deflating-tool. No. 1,104,028; July 21; Gaz. vol. 204; p. 715.
- Watson, William W., Jamestown, N. Y. Screen-frame. No. 1,098,857; June 2; Gaz. vol. 203; p. 170.
- Watson, William W., Jamestown, N. Y. Knockdown roller-screen. No. 1,113,721; Oct. 13; Gaz. vol. 207; p. 500.
- Watson, William W., Weir, Miss. Putty. No. 1,117,932; Nov. 17; Gaz. vol. 208; p. 938.
- Watson, William W., and J. G. Carlson, assignors to Watson Manufacturing Company, Jamestown, N. Y. Metallic roller. No. 1,092,464; Apr. 7; Gaz. vol. 201; p. 118.
- Watt, Charles S., Dedham, assignor to B. F. Sturtevant Company, Boston, Mass. Elastic-fluid turbine. No. 1,119,481; Dec. 1; Gaz. vol. 209; p. 200.
- Watt, George M., and J. E. Bryant, Oakland City, Ind. Wagon-brake. No. 1,108,533; Aug. 25; Gaz. vol. 205; p. 1171.
- Watt, James A., assignor to W. A. De Hart, New York, N. Y. Mechanical toy. No. 1,091,448; Mar. 24; Gaz. vol. 200; p. 1069.
- Watt, John A., assignor of one-eighth to J. H. Austen, Halifax, Nova Scotia, Canada. Combination windlass for vessels. No. 1,084,511; Jan. 13; Gaz. vol. 198; p. 442.
- Watters, Edward C., Kansas City, Mo. Skirt-measuring tape. No. 1,096,975; May 19; Gaz. vol. 202; p. 694.
- Watters, Edward C., Kansas City, Mo. Dressmaker's rule. No. 1,108,040; Aug. 18; Gaz. vol. 205; p. 951.
- Watters, Edward C., Kansas City, Mo. Skirt-rule. No. 1,114,658; Oct. 20; Gaz. vol. 207; p. 868.
- Watters, Edward C., Kansas City, Mo. Slip-joint. No. 1,119,130; Dec. 1; Gaz. vol. 209; p. 80.
- Watters, John H., Augusta, Ga. Track-sander. No. 1,092,680; Apr. 7; Gaz. vol. 201; p. 191.
- Watters, John H., Augusta, Ga. Air-brake-setting device. No. 1,096,334; May 12; Gaz. vol. 202; p. 433.
- Watterson, James E., Pittsburgh, Pa. Game apparatus. No. 1,085,371; Jan. 27; Gaz. vol. 198; p. 804.
- Wattie, William, Worcester, Mass., assignor to Crompton & Knowles Loom Works. Pile-wire for pile-fabric looms. No. 1,109,719; Sept. 8; Gaz. vol. 206; p. 346.
- Wattie, William, Worcester, Mass., assignor to Crompton & Knowles Loom Works. Vibrator-lever and vibrator-connector. No. 1,112,874; Oct. 6; Gaz. vol. 207; p. 162.
- Watton, Emery M., Oldtown, Me. Plate-lifter. No. 1,118,602; Nov. 24; Gaz. vol. 208; p. 1215.
- Watts, Anthony J., St. Louis, Mo. Hydrocarbon-engine. No. 1,090,260; Mar. 17; Gaz. vol. 200; p. 635.
- Watts, Arthur. (See Dustin, Frykman, and Watts.)
- Watts, Elmer A., assignor to The Miller Improved Gas Engine Company, Springfield, Ohio. Device for operating magnetos. No. 1,112,580; Oct. 6; Gaz. vol. 207; p. 61.
- Watts, Ernest E., Kingston, Ontario, Canada. Extracting zinc from its ores or compounds. No. 1,111,201; Sept. 22; Gaz. vol. 206; p. 953.
- Watts, Frank E., and D. T. Hastings, assignors to Hupp Motor Car Company, Detroit, Mich. Speedometer-drive for vehicles. No. 1,088,048; Feb. 24; Gaz. vol. 199; p. 1002.
- Watts, George E., Brooklyn, N. Y. Shirt. No. 1,089,999; Mar. 10; Gaz. vol. 200; p. 503.
- Watts, George F., Brooklyn, N. Y. Semaphorical direction-indicator. No. 1,100,207; June 16; Gaz. vol. 203; p. 711.
- Watts, John W., Paducah, Ky. Ventilating sash-lock. No. 1,092,234; Apr. 7; Gaz. vol. 201; p. 37.
- Watts, Robert J., Waverly, Ill. Staple-driving appliance. No. 1,100,208; June 16; Gaz. vol. 203; p. 712.
- Watts, Walter A., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Adjustable tongue. No. 1,091,990; Mar. 31; Gaz. vol. 200; p. 1301.
- Watts, Warren, Hayes township, Clay county, Kans. Double suction grain cleaner and grader. No. 1,096,335; May 12; Gaz. vol. 202; p. 434.
- Watts, William. (See Agier, Marie, assignor.)
- Watts, William, Louisville, Ky. Buncher and bander. No. 1,104,155; July 21; Gaz. vol. 204; p. 758.
- Watts, William H., Hamilton, Va. Device for suspending trolley-wires, &c. No. 1,116,522; Nov. 10; Gaz. vol. 208; p. 403.
- Waugh, Daniel S., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Rotating means for rock-drills. No. 1,084,183; Jan. 13; Gaz. vol. 198; p. 337.
- Waugh, Daniel S., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Motor. No. 1,090,179; Mar. 17; Gaz. vol. 200; p. 606.
- Waugh, Daniel S., assignor to The Denver Rock Drill & Machinery Company, Denver, Colo. Drill-bit-locking means. No. 1,091,263; Mar. 24; Gaz. vol. 200; p. 1011.
- Waugh, Daniel S., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Rock-drill. No. 1,112,398; Sept. 29; Gaz. vol. 206; p. 1403.
- Waugh, Daniel S., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Rock-drill. No. 1,114,949; Oct. 27; Gaz. vol. 207; p. 1025.
- Waugh Draft Gear Company. (See Forsyth, George H., assignor.)
- Waugh, James A., Louisiana, Mo. Combined letter and parcel-post mail-box. No. 1,105,730; Aug. 4; Gaz. vol. 205; p. 51.
- Waugh, James M., Chicago, Ill. Bumping block or post for railways. No. 1,104,332; July 21; Gaz. vol. 204; p. 820.
- Waugh, Jesse C., St. Paul, Minn. Coin-holder. No. 1,113,920; Oct. 13; Gaz. vol. 207; p. 569.
- Waverly Company, The. (See Kennedy, Harold H., assignor.)
- Waverley Company, The. (See Kennedy and Gibbons, assignors.)
- Waverley Company, The. (See Maxim, Hiram P., assignor.)
- Waxbom, Carl J. E., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Locomotive. No. 1,085,715; Feb. 3; Gaz. vol. 199; p. 47.
- Waxbom, Carl J. E., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Electric locomotive. No. 1,120,572; Dec. 8; Gaz. vol. 209; p. 617.
- Waxler, Ralph A., Lawrenceville, Ill. Safety gas cut-off. No. 1,091,991; Mar. 31; Gaz. vol. 200; p. 1301.
- Way, Abiathar L. (See Williams, Selby L., assignor.)
- Way, Charles M., Minneapolis, Minn. Border for bed-springs. No. 1,105,318; July 28; Gaz. vol. 204; p. 1211.
- Way, David R., Fairfield, Iowa. Gas-generator. No. 1,094,280; Apr. 21; Gaz. vol. 201; p. 806.
- Way, Ovid D. (See Conrad, Gust F., assignor.)
- Way, Raymond S., assignor of one-half to C. W. Pressley, Los Angeles, Cal. Foldable gas-stove. No. 1,092,681; Apr. 7; Gaz. vol. 201; p. 192.
- Way, Sylvester B. (See Fay and Way.)
- Waybright, Charles S., Staunton, Va. Automatic damper for stovepipes. No. 1,112,505; Oct. 6; Gaz. vol. 207; p. 32.
- Waycott, Albert, assignor to The Damascus Brake Beam Co., Cleveland, Ohio. Forge-steel fulcrum for brake-beams. No. 1,121,212; Dec. 15; Gaz. vol. 209; p. 889.
- Waycott, Albert, assignor to The Damascus Brake Beam Co., Cleveland, Ohio. Brake-beam fulcrum. No. 1,121,213; Dec. 15; Gaz. vol. 209; p. 890.
- Waye, August A., assignor of one-fourth to J. Kuppertz, St. Louis, Mo. Bottle. No. 1,089,837; Mar. 10; Gaz. vol. 200; p. 463.
- Wayland, Frank, Salem, Mass. Leather-working machine. No. 1,090,895; Mar. 24; Gaz. vol. 200; p. 883.
- Wayne, Albert L., et al. (See Johnson, Clinton A., assignor.)
- Waynert, Erik W., Mason, Wis. Folding harrow. No. 1,110,846; Sept. 15; Gaz. vol. 206; p. 786.

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- Wayrynen, William L., Lake Norden, S. D. Attachment for centrifugal governors. No. 1,084,913; Jan. 20; Gaz. vol. 198; p. 610.
- Wayte, Walter J., Philadelphia, Pa., assignor to The American Agricultural Chemical Company. Defecant and making same. No. 1,088,751; Mar. 3; Gaz. vol. 200; p. 27.
- Wear Wrench Company. (See Harvie, King A., assignor.)
- Wearne, Richard L., assignor to The Binghamton Washing Machine Co., Binghamton, N. Y. Drive-gearing for wringers. No. 1,122,223; Dec. 22; Gaz. vol. 209; p. 1275.
- Wearproof Mat Company. (See Peterson, Christen J., assignor.)
- Weatherford, Joseph H., Memphis, Tenn. Toy. No. 1,120,871; Dec. 15; Gaz. vol. 209; p. 770.
- Weatherill, Henry G. (See Rundquist, William, assignor.)
- Weatherly, John R., Charleston, S. C. Stalk-cutter. No. 1,095,252; May 5; Gaz. vol. 202; p. 27.
- Weatherly, John R., assignor of one-half to I. Blank, Charleston, S. C. Combined cotton chopper and cultivator. No. 1,113,722; Oct. 13; Gaz. vol. 207; p. 500.
- Weathers, Charles V., San Jose, Cal. Shock-absorbing spring for gun-stocks. No. 1,086,490; Feb. 10; Gaz. vol. 199; p. 363.
- Weathers, William F., Jackson, Mich. Furnace. No. 1,119,206; Dec. 1; Gaz. vol. 209; p. 107.
- Weathersby, Fred R., Houston, Tex. Drill. No. 1,102,112; June 30; Gaz. vol. 203; p. 1477.
- Weathersby, John R., Middlesex, N. C. Clevis. No. 1,099,000; June 2; Gaz. vol. 203; p. 217.
- Weathersby, Robert H., and E. E. Putnam, Mammoth, Ariz. Non-refillable bottle. No. 1,106,263; Aug. 4; Gaz. vol. 205; p. 234.
- Weatherwax, Walter S., Silver City, N. Mex. Steering-wheel hub and axle connection. No. 1,086,251; Feb. 3; Gaz. vol. 199; p. 236.
- Weaver, Albert E. (See Weaver, Floyd C. and A. E.)
- Weaver, Albert T. (See Banta and Weaver.)
- Weaver, Albert T. (See Kilmer and Weaver.)
- Weaver, Albert T., Joliet, Ill., assignor to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Bale-tie. No. 1,109,720; Sept. 8; Gaz. vol. 206; p. 347.
- Weaver, Albert T., Joliet, Ill., assignor to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Bale-tie. No. 1,109,721; Sept. 8; Gaz. vol. 206; p. 347.
- Weaver, Charles G., Crystalsprings, Kans. Wood-carrier. No. 1,118,519; Nov. 24; Gaz. vol. 208; p. 1185.
- Weaver, Charles H. and R. W., South Bethlehem, Pa. Mechanical fingering device for stringed musical instruments. No. 1,094,038; Apr. 21; Gaz. vol. 201; p. 725.
- Weaver, Courtland W., assignor of one-half to V. F. Moulson, Toronto, Ontario, Canada. Faucet. No. 1,097,492; May 19; Gaz. vol. 202; p. 875.
- Weaver, Floyd C., Washington, D. C., and A. E. Weaver, West Lafayette, Ind. Fuel-heater for internal-combustion engines. No. 1,101,365; June 23; Gaz. vol. 203; p. 1163.
- Weaver, Frank H., Jamaica, N. Y. Thread-holder. No. 1,116,180; Nov. 3; Gaz. vol. 208; p. 243.
- Weaver, Gabe, Jellico, Tenn. Spring-wheel. No. 1,088,386; Feb. 24; Gaz. vol. 199; p. 1117.
- Weaver, Harry E. (See Estabrook and Weaver.)
- Weaver, Ira A., assignor to The Racine-Sattley Company, Springfield, Ill. Plow-mounting. No. 1,086,491; Feb. 10; Gaz. vol. 199; p. 363.
- Weaver, Ira A., assignor to The Racine-Sattley Company, Springfield, Ill. Plow-break-pin construction. No. 1,086,492; Feb. 10; Gaz. vol. 199; p. 363.
- Weaver, Ira A., assignor to The Weaver Mfg. Co., Springfield, Ill. Jack. No. 1,038,049; Feb. 24; Gaz. vol. 199; p. 1002.
- Weaver, Ira A., assignor to The Weaver Mfg. Co., Springfield, Ill. Jack. No. 1,114,829; Oct. 27; Gaz. vol. 207; p. 982.
- Weaver, Jacob F. (See Malone, John A. and L. R., assignors.)
- Weaver, James H. (See Paridon and Weaver.)
- Weaver, James M., Los Angeles, Cal. Mortise-catch. No. 1,106,760; Aug. 11; Gaz. vol. 205; p. 454.
- Weaver, John A., Greeley, Colo. Beet-harvester. No. 1,086,631; Feb. 10; Gaz. vol. 199; p. 413.
- Weaver, John A., Gap, Pa. Tobacco-shears. No. 1,091,607; Mar. 31; Gaz. vol. 200; p. 1168.
- Weaver, Joseph E., Twin Falls, Idaho. Pump. No. 1,115,261; Oct. 27; Gaz. vol. 207; p. 1135.
- Weaver, Martin L., Montgomery, Ala. Window-ventilator. No. 1,100,640; June 16; Gaz. vol. 203; p. 857.
- Weaver, Mary J., Cincinnati, Ohio. Dish-washing machine. No. 1,106,430; Aug. 11; Gaz. vol. 205; p. 335.
- Weaver Mfg. Co., The. (See Weaver, Ira A., assignor.)
- Weaver, Myron W., Monmouth Junction, N. J. Automatic gas-extinguisher. No. 1,122,827; Dec. 29; Gaz. vol. 209; p. 1525.
- Weaver, Odell, Terre Haute, Ind. Sterilizing apparatus. No. 1,086,004; Feb. 3; Gaz. vol. 199; p. 152.
- Weaver, Ralph, Atlanta, Ga. Air-superheater for steam-boiler furnaces. No. 1,097,692; May 26; Gaz. vol. 202; p. 988.
- Weaver, Robert R., assignor to The Ralston Steel Car Company, Columbus, Ohio. Drop-door-shaft-operating means. No. 1,122,179; Dec. 22; Gaz. vol. 209; p. 1261.
- Weaver, Rollin W. (See Weaver, Charles H. and R. W.)
- Weaver, Thomas E., assignor of one-half to I. O. Spence, Pelham, Ga. Glazing-strip. No. 1,105,117; July 28; Gaz. vol. 204; p. 1140.
- Weaver, Victor M., Harrisburg, Pa. Cyanamid-producing apparatus. No. 1,093,749; Apr. 21; Gaz. vol. 201; p. 630.
- Webb, Albert L., Sudbrook Park, Md. Electric lamp for small firearms. No. 1,095,686; May 5; Gaz. vol. 202; p. 175.
- Webb, De Witt C., Boston, Mass. Radiator attachment. No. 1,102,705; July 7; Gaz. vol. 204; p. 168.
- Webb, Dorsey S., Traverse City, Mich. Heater. No. 1,086,252; Feb. 3; Gaz. vol. 199; p. 237.
- Webb, Edward, and V. Keech, Virginia, Minn. Dipper-tooth and clamp. No. 1,087,621; Feb. 17; Gaz. vol. 199; p. 807.
- Webb, Edwin W. (See Barber and Webb.)
- Webb, George E., Milwaukee, Wis. Grease-gun. No. 1,117,730; Nov. 17; Gaz. vol. 208; p. 871.
- Webb, George H., Providence, R. I. Advertising-sign. No. 1,096,580; May 12; Gaz. vol. 202; p. 514.
- Webb, George R. (See Fairfax, James E., assignor.)
- Webb, James E. (See Alge, Webb, and Henson.)
- Webb, Jean F., Jr., assignor to The International Signal Co., Incorporated, New York, N. Y. Train-stopping mechanism. No. 1,101,768; June 30; Gaz. vol. 203; p. 1353.
- Webb, Jean F., Jr., Denver, Colo., assignor to The Electric Signagraph and Semaphore Company, Incorporated. Train signaling and controlling system. No. 1,114,078; Oct. 20; Gaz. vol. 207; p. 663.
- Webb, John, Chicago, Ill. Hinge for tilting sash. No. 1,108,857; Aug. 25; Gaz. vol. 205; p. 1282.
- Webb, John L., and G. W. Wiseman, Sawtelle, Cal.; said Webb assignor to said Wiseman. Door-stop. No. 1,098,307; May 26; Gaz. vol. 202; p. 1204.
- Webb, Joseph, *et al.* (See Fuller, Eugene, assignor.)
- Webb, Joseph C., Twin Falls, Idaho. Envelop-closure. No. 1,110,019; Sept. 8; Gaz. vol. 206; p. 452.
- Webb, Morrell A., Algona, Iowa. Display-case. No. 1,088,249; Feb. 24; Gaz. vol. 199; p. 1070.
- Webb Talking Picture Company, The. (See Comer, John J., assignor.)
- Webb, Wilbur F., Huntington, W. Va. Cabinet. No. 1,089,299; Mar. 3; Gaz. vol. 200; p. 213.
- Webb, William E., Jr., Larchmont, N. Y. Neckwear. No. 1,101,769; June 30; Gaz. vol. 203; p. 1353.
- Webb, Wilmer M., assignor to H. T. Paiste Company, Philadelphia, Pa. Outlet-fixture for current-conductors. No. 1,112,953; Oct. 6; Gaz. vol. 207; p. 189.
- Webber, Allie A., Castleton, Ill. Corn-harvesting machine. No. 1,097,693; May 26; Gaz. vol. 202; p. 988.
- Webber, Arthur H., Boston, Mass., assignor to Webber Mfg. Co. Carbureter. No. 1,120,573; Dec. 8; Gaz. vol. 209; p. 618.
- Webber, George, Seattle, Wash. Feed-mixer. No. 1,120,574; Dec. 8; Gaz. vol. 209; p. 618.
- Webber, Herbert S. (See Leland and Webber.)
- Webber, Jedah G., and C. F. Carr, Antwerp, Ohio. Beet-harvester. No. 1,112,344; Sept. 29; Gaz. vol. 206; p. 1383.
- Webber Mfg. Co. (See Webber, Arthur H., assignor.)
- Webber, Philip H., Hoopeston, Ill. Tongue-support. No. 1,100,699; June 16; Gaz. vol. 203; p. 877.
- Webber, Samuel S., assignor to The Trenton Iron Company, Trenton, N. J. Cableway. No. 1,085,649; Feb. 3; Gaz. vol. 199; p. 25.
- Webber, Wesley, Kearney, N. J. Projecting device. No. 1,091,992; Mar. 31; Gaz. vol. 200; p. 1302.
- Webber, William S. (See Gannon and Webber.)
- Webel, Franz, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing chlorin derivatives of the amyl series. No. 1,098,858; June 2; Gaz. vol. 203; p. 170.
- Webel, Franz, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing isoprene. No. 1,098,859; June 2; Gaz. vol. 203; p. 170.
- Weber, Adolphus B., Kaufman, Ill. Fishing-pole support. No. 1,092,548; Apr. 7; Gaz. vol. 201; p. 146.
- Weber, Albert, Hoboken, N. J. Turbine. No. 1,108,041; Aug. 18; Gaz. vol. 205; p. 951.
- Weber, Albert, assignor to The Ferro Machine and Foundry Company, Cleveland, Ohio. Producing pistons. No. 1,106,905; Aug. 11; Gaz. vol. 205; p. 505.
- Weber, August, Jr., assignor to Weber Electric Company, Schenectady, N. Y. Incandescent-electric-lamp socket. No. 1,120,110; Dec. 8; Gaz. vol. 209; p. 452.
- Weber, August, Sr., and J., assignors to Weber Electric Company, Schenectady, N. Y. Case for incandescent-electric-lamp sockets. No. 1,093,221; Apr. 14; Gaz. vol. 201; p. 411.
- Weber, Bertha, Portola, Cal. Steamer attachment for boilers. No. 1,083,783; Jan. 6; Gaz. vol. 198; p. 173.
- Weber, Boniface W., Yocemento, Kans. Hay-fork. No. 1,091,408; Mar. 24; Gaz. vol. 200; p. 1056.

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- Weber, Carl S., Hackensack, N. J. Egg-holder. No. 1,092,682; Apr. 7; Gaz. vol. 201; p. 192.
- Weber, Charles H., Hilliard, Ohio. Resilient vehicle-wheel. No. 1,094,616; Apr. 28; Gaz. vol. 201; p. 981.
- Weber, Christopher J. (See Weber, Frank R. and C. J.)
- Weber & Co., F. (See Riedel, John M., assignor.)
- Weber Dental Manufacturing Company, The. (See Weber, Henry E., assignor.)
- Weber, Edward C. (See Reinecke, Weber, and Krah.)
- Weber Electric Company. (See Weber, August, Jr., assignor.)
- Weber Electric Company. (See Weber, August, Sr., and J., assignors.)
- Weber, Frank R. and C. J., St. Paul, Minn. Ventilator. No. 1,106,123; Aug. 4; Gaz. vol. 205; p. 189.
- Weber, Fred J., Peoria, Ill. Kettle. No. 1,083,716; Jan. 6; Gaz. vol. 198; p. 152.
- Weber, George A., Stamford, Conn., assignor to The Rail Joint Company, New York, N. Y. Making rail-joint cars. No. 1,116,181; Nov. 3; Gaz. vol. 208; p. 244.
- Weber, George W., St. Paul, Minn., assignor to American Can Company, New York, N. Y. Canning asparagus. No. 1,083,311; Jan. 6; Gaz. vol. 198; p. 18.
- Weber, George W., assignor to American Can Company, New York, N. Y. Advertising-button. No. 1,094,952; Apr. 28; Gaz. vol. 201; p. 1101.
- Weber, George W., assignor to American Can Company, New York, N. Y. Sifter-top powder-can. No. 1,104,457; July 21; Gaz. vol. 204; p. 862.
- Weber, George W., assignor to American Can Company, New York, N. Y. Sheet-metal spool. No. 1,104,458; July 21; Gaz. vol. 204; p. 863.
- Weber, Henry, assignor to Latham Machinery Company, Chicago, Ill. Wire-stapling machine. No. 1,111,112; Sept. 22; Gaz. vol. 206; p. 920.
- Weber, Henry, assignor to Latham Machinery Company, Chicago, Ill. Stapling-machine for boxes, cases, and the like. No. 1,111,113; Sept. 22; Gaz. vol. 206; p. 921.
- Weber, Henry, assignor to Latham Machinery Company, Chicago, Ill. Staple forming and driving mechanism. No. 1,111,114; Sept. 22; Gaz. vol. 206; p. 921.
- Weber, Henry, assignor to Latham Machinery Company, Chicago, Ill. Wire stitching or stapling machine. No. 1,111,115; Sept. 22; Gaz. vol. 206; p. 922.
- Weber, Henry, assignor to Latham Machinery Company, Chicago, Ill. Work-guide. No. 1,111,116; Sept. 22; Gaz. vol. 206; p. 922.
- Weber, Henry, Jr., assignor to Latham Machinery Company, Chicago, Ill. Work-feeding mechanism for stitching-machines. No. 1,095,253; May 5; Gaz. vol. 202; p. 27.
- Weber, Henry, and W. Osterholm, assignors to Latham Machinery Company, Chicago, Ill. Work-support for stapling-machines. No. 1,103,234; July 14; Gaz. vol. 204; p. 400.
- Weber, Henry E., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Cuspidor. No. 1,089,095; Mar. 3; Gaz. vol. 200; p. 144.
- Weber, Henry E., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Reservoir-cuspidor. No. 1,111,047; Sept. 22; Gaz. vol. 206; p. 898.
- Weber, Herman, Philadelphia, Pa. Button. No. 1,085,956; Feb. 3; Gaz. vol. 199; p. 135.
- Weber, Herman A., Hartford, Conn. Spark-arrester and smoke-treating device. No. 1,109,884; Sept. 8; Gaz. vol. 206; p. 404.
- Weber, Jacob, New York, N. Y. Window. No. 1,119,482; Dec. 1; Gaz. vol. 209; p. 201.
- Weber, Jacob A., St. Louis, Mo. Window-fixture. No. 1,096,476; May 12; Gaz. vol. 202; p. 480.
- Weber, John. (See Weber, August, Sr., and J.)
- Weber, John A., Toledo, Ohio. Power log-loader. No. 1,099,221; June 9; Gaz. vol. 203; p. 335.
- Weber, John A., Toledo, Ohio. Log-turning apparatus. No. 1,118,085; Nov. 24; Gaz. vol. 208; p. 1033.
- Weber, Josef, Essen-on-the-Ruhr, Germany. Detinning. No. 1,115,262; Oct. 27; Gaz. vol. 207; p. 1136.
- Weber, Josef, Essen-on-the-Ruhr, Germany, assignor to Goldschmidt Detinning Company, New York, N. Y. Removing zinc from zinc-coated material. No. 1,122,340; Dec. 29; Gaz. vol. 209; p. 1355.
- Weber, Lewis F., Frankfort-on-the-Main, Germany, assignor to United Shoe Machinery Company, Paterson, N. J. Eyeletting-machine. No. 1,119,911; Dec. 8; Gaz. vol. 209; p. 382.
- Weber, Matthew J., assignor to The Ohio Pump & Brass Company, Columbus, Ohio. Hose-coupling. No. 1,115,992; Nov. 3; Gaz. vol. 208; p. 180.
- Weber, Peter, Orange, N. J. Sound-box. No. 1,087,339; Feb. 17; Gaz. vol. 199; p. 708.
- Weber, Peter, Orange, N. J. Diaphragm for phonograph sound-boxes. No. 1,098,340; May 26; Gaz. vol. 202; p. 1215.
- Weber, Raymond E., assignor to W. M. Dillon, Sterling, Ill. Wire-fence machine. No. 1,115,630; Nov. 3; Gaz. vol. 208; p. 55.
- Weber, Theodore T., Buffalo, N. Y. Carbureter. No. 1,091,784; Mar. 31; Gaz. vol. 200; p. 1231.
- Weber, Walter. (See Henkel and Weber.)
- Weber, Walter, assignor to Henkel & Cie., Dusseldorf, Germany. Manufacturing perborate of zinc. No. 1,121,428; Dec. 15; Gaz. vol. 209; p. 963.
- Weber, William J., Fort Wayne, Ind. Vegetable-washer. No. 1,090,585; Mar. 17; Gaz. vol. 200; p. 749.
- Webster, Arnold S., Jr., Camden, N. J. Explosive-engine. No. 1,096,141; May 12; Gaz. vol. 202; p. 365.
- Webster, Benjamin C., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Switch-movement. No. 1,122,828; Dec. 29; Gaz. vol. 209; p. 1525.
- Webster, Bester R., Pasadena, Cal., assignor, by mesne assignments, to Wahl Adding Machine Company, Wilmington, Del. Tabulating-machine. No. 1,118,978; Dec. 1; Gaz. vol. 209; p. 26.
- Webster, Edward W. (See Ericsson, Gustav E., assignor.)
- Webster, Edwin A., Groveland, assignor to C. K. Fox, deceased, Haverhill, Mass.; I. L. Fox, L. H. Chick, and R. D. Trask, executors. Jack for leveling-machines. No. 1,086,099; Feb. 3; Gaz. vol. 199; p. 187.
- Webster, Edwin A., Groveland, assignor to C. K. Fox, deceased, Haverhill, Mass.; I. L. Fox, L. H. Chick, and R. D. Trask, executors. Leveling-machine. No. 1,086,100; Feb. 3; Gaz. vol. 199; p. 187.
- Webster, Ernest C., assignor of one-half to H. Gruen-hagen, East Oakland, Cal. Electric water-heating faucet. No. 1,118,320; Nov. 24; Gaz. vol. 208; p. 1114.
- Webster, Fay H., Marvell, Ark. Street-indicator for cars. No. 1,093,508; Apr. 14; Gaz. vol. 201; p. 505.
- Webster, Fay H., Marvell, Ark. Signal system. No. 1,109,381; Sept. 1; Gaz. vol. 206; p. 187.
- Webster, Frederick L., Seattle, Wash., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Shaft-bearing. No. 1,108,042; Aug. 18; Gaz. vol. 205; p. 952.
- Webster, George A., Sandwich, Ill. Hot-water heater and radiator. No. 1,098,537; June 2; Gaz. vol. 203; p. 63.
- Webster, George A., Somerville, assignor to C. H. Sherburne, Boston, Mass. Brake-handle. No. 1,105,866; Aug. 4; Gaz. vol. 205; p. 98.
- Webster, George M., Fort Dodge, Iowa. Seed-cleaner. No. 1,092,191; Apr. 7; Gaz. vol. 201; p. 23.
- Webster, Harold W., Billerica, England. Retort. No. 1,084,679; Jan. 20; Gaz. vol. 198; p. 530.
- Webster, Harry G., Chicago, Ill. Harmonic signaling system. No. 1,090,435; Mar. 17; Gaz. vol. 200; p. 697.
- Webster, Harry G., Chicago, Ill. Call-bell. No. 1,090,436; Mar. 17; Gaz. vol. 200; p. 698.
- Webster, Harry G., Chicago, Ill. Telephone-relay. No. 1,119,131; Dec. 1; Gaz. vol. 209; p. 81.
- Webster, Harry G., Chicago, Ill., assignor, by mesne assignments, to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-exchange system. (Reissue) No. 13,710; Mar. 31; Gaz. vol. 200; p. 1352.
- Webster, John E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Resilient driving connection. No. 1,089,168; Mar. 3; Gaz. vol. 200; p. 172.
- Webster, John E., Pittsburgh, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Induction-motor winding. No. 1,101,672; June 30; Gaz. vol. 203; p. 1321.
- Webster, John H. (See Brown, Webster, and Salamon.)
- Webster, John H., Carrickfergus, Ireland. Manufacture of salt. No. 1,104,854; July 28; Gaz. vol. 204; p. 1050.
- Webster, John L., Chicago, Ill. Demountable rim for vehicle-wheels. No. 1,111,423; Sept. 22; Gaz. vol. 206; p. 1028.
- Webster, John L., Ottawa, Ontario, Canada. Fuel-saver and smoke-consumer. No. 1,112,179; Sept. 29; Gaz. vol. 206; p. 1326.
- Webster, Lawrence B., Marion, Ind. Road-roller. No. 1,120,427; Dec. 8; Gaz. vol. 209; p. 565.
- Webster, William, London, England. Sprinkler. No. 1,114,079; Oct. 20; Gaz. vol. 207; p. 664.
- Webster, William A., Galesburg, Ill. Hinge. No. 1,102,372; July 7; Gaz. vol. 204; p. 52.
- Webster, William J., assignor of one-fourth to T. H. Parry and one-fourth to L. Parry, Bisbee, Ariz. Rake. No. 1,099,954; June 16; Gaz. vol. 203; p. 623.
- Webster, William R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Sheet-metal nut and making the same. No. 1,088,641; Feb. 24; Gaz. vol. 199; p. 1199.
- Webster, William R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Rolling-mill or similar installation. No. 1,109,885; Sept. 8; Gaz. vol. 206; p. 405.
- Webster, Willis C., Dubois, Pa., assignor to Buffalo Air Brake Company, Buffalo, N. Y. Triple valve. No. 1,117,289; Nov. 17; Gaz. vol. 208; p. 714.
- Wechsler, Artur, Nuremberg, Germany. Necktie. No. 1,086,493; Feb. 10; Gaz. vol. 199; p. 364.
- Wechsler, Leopold, and R. Scherer, New York, N. Y. Railway-spike. No. 1,095,052; Apr. 28; Gaz. vol. 201; p. 1135.
- Wecht, Charles L., Logansport, Ind. Sash-fastener. No. 1,111,511; Sept. 22; Gaz. vol. 206; p. 1058.

Alphabetical list of patentees—Continued.

- Weckbaugh, Joseph V., St. Louis, Mo., assignor to Nagle Re Blade Knife Company, Newark, N. J. Inserting rivets in reblade-knives. No. 1,109,094; Sept. 1; Gaz. vol. 206; p. 84.
- Weckerlein & Stöcker. (See Stöcker, Hans, assignor.)
- Weckerling, Joseph. (See Reichard, James H., assignor.)
- Weckert, Frank A., Solon Springs, Wis. Spring-wheel. No. 1,103,332; July 14; Gaz. vol. 204; p. 434.
- Weeks & Co., *et al.* (See Scholle, Eduard, assignor.)
- Wedekind & Co., m. b. H., R. (See Iljinsky and Tschunke, assignors.)
- Wedekind, Edgar. (See Kuzel and Wedekind.)
- Wedel, George, Gotebo, Okla. Sash-holder. No. 1,083,643; Jan. 6; Gaz. vol. 198; p. 127.
- Wedeman, George F. (See Arnold and Wedeman.)
- Wedeman, Harry, Manhattan, Mont. Spring-wheel. No. 1,104,283; July 21; Gaz. vol. 204; p. 803.
- Weder, Hermann, Sr., and C. H. Wolff, Philadelphia, Pa. Toilet-bracket. No. 1,108,043; Aug. 18; Gaz. vol. 205; p. 952.
- Wedge, Albert, Iron River, Mich. Vehicle attachment. No. 1,088,495; Feb. 24; Gaz. vol. 199; p. 1152.
- Wedge, Nestor E., Long Hill, Conn. Folding rack for hand-trucks. No. 1,099,584; June 9; Gaz. vol. 203; p. 460.
- Wedge, Uteley, Ardmore, Pa. Metallurgical furnace. No. 1,086,494; Feb. 10; Gaz. vol. 199; p. 364.
- Wedge, Uteley, Ardmore, Pa. Electrical heating device for metallurgical furnaces. No. 1,088,496; Feb. 24; Gaz. vol. 199; p. 1152.
- Wedge, Uteley, Ardmore, Pa. Metallurgical furnace. No. 1,094,953; Apr. 28; Gaz. vol. 201; p. 1101.
- Wedge, Uteley, Ardmore, Pa. Metallurgical furnace. No. 1,094,954; Apr. 28; Gaz. vol. 201; p. 1102.
- Wedge, Uteley, Ardmore, Pa. Rabblers and rabble-arm for metallurgical furnaces. No. 1,100,461; June 16; Gaz. vol. 203; p. 799.
- Wedge, Uteley, Ardmore, Pa. Manufacture of sulfuric acid. No. 1,104,590; July 21; Gaz. vol. 204; p. 911.
- Wedge, Uteley, Ardmore, Pa. Sulfuric-acid manufacture. No. 1,106,999; Aug. 11; Gaz. vol. 205; p. 536.
- Wedge, Uteley, Ardmore, Pa. Metallurgical furnace. No. 1,115,263; Oct. 27; Gaz. vol. 207; p. 1136.
- Wedge, Uteley, Ardmore, Pa. Mixing apparatus. No. 1,116,182; Nov. 3; Gaz. vol. 208; p. 244.
- Wedge, Uteley, Ardmore, Pa. Metallurgical furnace. No. 1,119,483; Dec. 1; Gaz. vol. 209; p. 201.
- Wedge, Uteley, Ardmore, Pa. Heater. No. 1,121,314; Dec. 15; Gaz. vol. 209; p. 924.
- Wedge, Uteley, Ardmore, assignor to The Furnace Patent Company, Philadelphia, Pa. Dust-collector. No. 1,086,961; Feb. 10; Gaz. vol. 199; p. 527.
- Wedig, John H., Granite City, Ill. Hypodermic syringe. No. 1,100,798; June 23; Gaz. vol. 203; p. 967.
- Wedig, John H., Granite City, Ill. Hypodermic syringe. No. 1,100,799; June 23; Gaz. vol. 203; p. 967.
- Wedin, John, Minneapolis, Minn. Wrench. No. 1,085,183; Jan. 27; Gaz. vol. 198; p. 738.
- Wedmore, Daniel A., Camden, N. J. Tying and supporting device for reinforcing-wires of concrete structures. No. 1,099,679; June 9; Gaz. vol. 203; p. 493.
- Wedmore, Edmund B., Rugby, England, assignor to General Electric Company. Leakage indicator and connections. No. 1,085,309; Jan. 27; Gaz. vol. 198; p. 783.
- Wedmore, Edmund B., Rugby, England, assignor to General Electric Company. Protective device. No. 1,114,558; Oct. 20; Gaz. vol. 207; p. 835.
- Wedmore, Edmund B., Rugby, England, assignor to General Electric Company. Oil-switch. No. 1,115,264; Oct. 27; Gaz. vol. 207; p. 1136.
- Wedit Company, The. (See Fenn, William B., assignor.)
- Weed Chain Tire Grip Company. (See Dobbins, Timothy C., assignor.)
- Weed Chain Tire Grip Company. (See Lashar, Walter B., assignor.)
- Weed, Chester A., Brooklyn, N. Y. Mirror attachment for automobiles. No. 1,114,559; Oct. 20; Gaz. vol. 207; p. 836.
- Weed, Helen I., Buffalo, N. Y. Bottle-cap lifter. No. 1,100,933; June 23; Gaz. vol. 203; p. 1016.
- Weed, Howard W. (See Springsteen and Weed.)
- Weeden, Arthur W., *et al.* (See Stadig, Esaias T., assignor.)
- Weeden, John E., Somersworth, N. H. Last. No. 1,093,665; Apr. 21; Gaz. vol. 201; p. 601.
- Weekly, James W., Fredericktown, Ohio. Neck-yoke safety-holder. No. 1,117,117; Nov. 10; Gaz. vol. 208; p. 612.
- Weeks Carrier Company, The. (See Weeks, Oscar J., assignor.)
- Weeks, Charles D. (See Weeks, Frederick H. and C. D.)
- Weeks, Charlie E., assignor of one-third to E. J. Cook, Oakland, and one-third to H. Leon, San Francisco, Cal. Paper-roll abutter. No. 1,094,765; Apr. 28; Gaz. vol. 201; p. 1036.
- Weeks, Clinton M., and H. N. Jackson, Babylon, N. Y. Short-circuiting attachment for gas-engine igniters. No. 1,107,000; Aug. 11; Gaz. vol. 205; p. 536.
- Weeks, Francis D., Salida, Colo. Measured-delivery apparatus. No. 1,103,333; July 14; Gaz. vol. 204; p. 434.
- Weeks, Francis D., Salida, Colo., assignor, by mesne assignments, to Dwight & Lloyd Sintering Company, New York, N. Y. Calcining, desulfurizing, agglomerating, and sintering ores and like material. (Reissue.) No. 13,758; June 23; Gaz. vol. 203; p. 1219.
- Weeks, Frederick H. and C. D., Akron, Ohio; said C. D. Weeks assignor to said F. H. Weeks. Machine for cutting weight-pockets in window-frames, &c. No. 1,083,473; Jan. 6; Gaz. vol. 198; p. 72.
- Weeks, Harry G., Chicago, Ill. Electric water-heater. No. 1,116,339; Nov. 3; Gaz. vol. 208; p. 296.
- Weeks, Harry G., assignor to New Era Mfg. Co., Chicago, Ill. Electric cigar-lighter. No. 1,114,207; Oct. 20; Gaz. vol. 207; p. 711.
- Weeks, Harry G., assignor to F. C. Austin, Chicago, Ill. Electric cooking apparatus. No. 1,118,454; Nov. 24; Gaz. vol. 208; p. 1164.
- Weeks, John A., Ganer, Ala. Combined plow and cultivator. No. 1,109,095; Sept. 1; Gaz. vol. 206; p. 84.
- Weeks, John B., assignor to The Long Furniture Company, Hanover, Pa. Extension-table. No. 1,099,780; June 9; Gaz. vol. 203; p. 526.
- Weeks, Lewis E. (See Spenst and Weeks.)
- Weeks, Oscar J., assignor to The Weeks Carrier Company, New York, N. Y. Receptacle. No. 1,113,523; Oct. 13; Gaz. vol. 207; p. 432.
- Weeks, Roy E., Portland, Ore. Boring-lifter. No. 1,096,799; May 12; Gaz. vol. 202; p. 589.
- Weeks, Thomas J., Pittston, Pa. Corn-removing grinder. No. 1,096,875; May 19; Gaz. vol. 202; p. 658.
- Weeks, William C., Vancouver, British Columbia, Canada. Excavating device. No. 1,110,604; Sept. 15; Gaz. vol. 206; p. 701.
- Weet, Leander C., assignor to Morris Walsh Sons, Pittsburgh, Pa. Package. No. 1,087,340; Feb. 17; Gaz. vol. 199; p. 708.
- Wege, Ernest F., La Crosse, Wis., assignor to Sterling Machinery Company. Concrete-mixer. No. 1,091,264; Mar. 24; Gaz. vol. 200; p. 1012.
- Wegener, Arnold H., Hoboken, N. J. Nut-lock. No. 1,084,680; Jan. 20; Gaz. vol. 198; p. 530.
- Wegener, Arnold H., Hoboken, N. J. Nut-lock. No. 1,093,666; Apr. 21; Gaz. vol. 201; p. 602.
- Wegener, Frank C., Des Moines, Iowa, assignor to Wegener, Johnson Bell Gun Company. Bell-gun. No. 1,114,950; Oct. 27; Gaz. vol. 207; p. 1026.
- Wegener, Johnson Bell Gun Company. (See Wegener, Frank C., assignor.)
- Weglein, Louis, Jr., Philadelphia, Pa. Device for moistening and heating the air-supply for internal-combustion engines. No. 1,097,380; May 19; Gaz. vol. 202; p. 836.
- Wegner, Fred, Fairport, N. Y. Conveying and feeding mechanism. No. 1,085,774; Feb. 3; Gaz. vol. 199; p. 71.
- Wegner, Fred, Fairport, N. Y. Can-heading machine. No. 1,095,972; May 5; Gaz. vol. 202; p. 270.
- Wegner, Fred, Fairport, assignor to Sanitary Can Company, New York, N. Y. Double-seaming machine. No. 1,104,751; July 21; Gaz. vol. 204; p. 965.
- Wegner, William F., Chicago, Ill. Ventilator. No. 1,121,642; Dec. 15; Gaz. vol. 209; p. 1002.
- Weh, Joseph, Elizabeth, N. J. Colander-holder. No. 1,112,744; Oct. 6; Gaz. vol. 207; p. 118.
- Wehinger, Frederick, assignor to Waterbury Clock Co., Waterbury, Conn. Strike and chime clock. No. 1,110,732; Sept. 15; Gaz. vol. 206; p. 746.
- Wehner, George A., Savannah, Ga. Target. No. 1,093,667; Apr. 21; Gaz. vol. 201; p. 602.
- Wehner, George A., Savannah, Ga. Permutation-lock. No. 1,103,116; July 14; Gaz. vol. 204; p. 358.
- Wehner, Louis. (See Ferris and Wehner.)
- Wehrle, Charles, and S. Overpeck, Chicago, Ill. Combined printing and vignetting frame. No. 1,101,596; June 30; Gaz. vol. 203; p. 1295.
- Wehrle Company, The. (See Pickup, George E., assignor.)
- Wehrwein, John, Shawmont, Pa. Shoe. No. 1,083,573; Jan. 6; Gaz. vol. 198; p. 104.
- Weide, Hans. (See Lorenz and Weide.)
- Weidenbach, Herman A., Buffalo, N. Y. Multiplying centrifugal governor. No. 1,099,222; June 9; Gaz. vol. 203; p. 335.
- Weidinger, Edna, *et al.* (See Weidinger, William G. G., assignor.)
- Weidinger, Emma, *et al.* (See Weidinger, William G. G., assignor.)
- Weidinger, William G. G., assignor of one-third to E. Weidinger and one-third to E. Weidinger, Chicago, Ill. Propeller-screw. No. 1,123,152; Dec. 29; Gaz. vol. 209; p. 1640.
- Weidlein, Edward R., Pittsburgh, Pa., assignor, by mesne assignments, to Metals Research Company, New York, N. Y. Hydrometallurgy of copper. No. 1,089,096; Mar. 3; Gaz. vol. 200; p. 144.
- Weidlich, Ernest A., Jr., *et al.* (See Franke, Frederick W., assignor.)
- Weidmann Silk Dyeing Co. (See Meili, Ernest, assignor.)
- Weidner, Harvey H., Plymouth, Ind. Photograph-printing stand. No. 1,093,509; Apr. 14; Gaz. vol. 201; p. 506.
- Weidner, Michael, Lake Henry, Minn. Autosled. No. 1,083,312; Jan. 6; Gaz. vol. 198; p. 19.
- Weidner, Orla E., Arcola, Ill. Internal-combustion engine. No. 1,117,933; Nov. 17; Gaz. vol. 208; p. 938.

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- Weidt, Richard, Vienna, Austria-Hungary. Sandal. No. 1,088,309; Feb. 24; Gaz. vol. 199; p. 1091.
- Weier, Anton G., Chicago, Ill. Attachment for sausage-machines. No. 1,087,856; Feb. 17; Gaz. vol. 199; p. 887.
- Weierman, Charles S. (See Beers, Elbert H., assignor.)
- Weigel, Albert P., assignor to Kokomo Nail and Brad Company, Kokomo, Ind. Speed-gearing. No. 1,101,597; June 30; Gaz. vol. 203; p. 1295.
- Weigel, Arnold A. (See Woods and Weigel.)
- Weigel, Charles, assignor of one-half to C. M. Thomsen, Minneapolis, Minn. Clothes-brush. No. 1,113,589; Oct. 13; Gaz. vol. 207; p. 454.
- Weigel, David J., Platteville, Wis. Tie. No. 1,090,768; Mar. 17; Gaz. vol. 200; p. 807.
- Weigel, Herbert L. (See Lange and Weigel.)
- Weigel, John P. (See Schorn, Oscar, assignor.)
- Weigel, Joseph, Flandreau, S. D. Poultry-feeder. No. 1,098,603; June 2; Gaz. vol. 203; p. 85.
- Weigel, William, Flandreau, S. D. Shock-loader. No. 1,086,005; Feb. 3; Gaz. vol. 199; p. 152.
- Weigh and Tie Company, The. (See Ramsey, Joseph H., assignor.)
- Weigher Patent Company. (See Messiter, Edwin H., assignor.)
- Weikel, Wilbur S., Lillydale, W. Va. Multiple-power engine. No. 1,084,512; Jan. 13; Gaz. vol. 198; p. 442.
- Weikert, Alvin W., and J. Pettibone, Washington, D. C. Self-locking junction-box coupling. No. 1,106,761; Aug. 11; Gaz. vol. 205; p. 455.
- Weil, Arthur B., and H. F. Stühr, Cleveland, Ohio. Safety appliance for motor-vehicles. No. 1,113,524; Oct. 13; Gaz. vol. 207; p. 432.
- Weil, Charles L., assignor to Diamond Crystal Salt Company, St. Clair, Mich. Apparatus for making salt. No. 1,091,721; Mar. 31; Gaz. vol. 200; p. 1208.
- Weil, Charles L., assignor to Diamond Crystal Salt Company, St. Clair, Mich. Making salt. No. 1,105,387; July 28; Gaz. vol. 204; p. 1238.
- Weil, Edward, and M. Deady, La Fayette, Ind. Extension-ladder. No. 1,089,608; Mar. 10; Gaz. vol. 200; p. 369.
- Weil, Jacob A., Stockton-on-Tees, England. Gas-producer. No. 1,105,474; July 28; Gaz. vol. 204; p. 1268.
- Weil, John, Mansfield, Ohio. Puzzle. No. 1,121,697; Dec. 22; Gaz. vol. 209; p. 1093.
- Weil, Otto. (See Goldschmidt and Weil.)
- Weil, Sigmund, and G. G. Waters, Atlanta, Ga. Stock-display cabinet. No. 1,114,080; Oct. 20; Gaz. vol. 207; p. 665.
- Weil, Simon. (See Hauser, Leopold, assignor.)
- Weiland, Charles, New York, N. Y. Automobile-bumper. No. 1,098,860; June 2; Gaz. vol. 203; p. 170.
- Weiland, Charles W., Brooklyn, N. Y. Automatic safety launching device for life-boats. No. 1,104,089; July 21; Gaz. vol. 204; p. 737.
- Weiler, Max, Elberfeld, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Yellowish-green triphenylmethane dye. No. 1,101,770; June 30; Gaz. vol. 203; p. 1353.
- Weiler, Wilhelm, Berlin, Germany, assignor to General Electric Company. Dynamo-electric machine. No. 1,104,233; July 21; Gaz. vol. 204; p. 785.
- Weimann, Ferdinand A., West Hoboken, N. J. Vacuum-producing apparatus. No. 1,108,644; Aug. 25; Gaz. vol. 205; p. 1209.
- Weimar, Andrew, assignor to A. and W. D. Weimar, Philadelphia, Pa. Lay and shuttle mechanism for narrow-ware looms. No. 1,088,497; Feb. 24; Gaz. vol. 199; p. 1153.
- Weimar, Otto L., Philadelphia, Pa. Railway-tie. No. 1,087,855; Feb. 17; Gaz. vol. 199; p. 887.
- Weimar, William D. (See Weimar, Andrew, assignor.)
- Weimer, Frank M. and R. F., Somerset, Pa. Mail-receptacle. No. 1,109,491; Sept. 1; Gaz. vol. 206; p. 223.
- Weimer, Noah C., Grand Junction, Colo. Harness. No. 1,089,735; Mar. 10; Gaz. vol. 200; p. 412.
- Weimer, Robert F. (See Weimer, Frank M. and R. F.)
- Wein, Julius H., Butte, Mont. Hat-size ticket. No. 1,113,849; Oct. 13; Gaz. vol. 207; p. 545.
- Wein, Samuel, New York, N. Y., assignor to J. A. Strauss, trustee. Metal alloy. No. 1,102,618; July 7; Gaz. vol. 204; p. 140.
- Weinberg, Alexander, Pittsburgh, Pa. Actuating mechanism for signals, &c. No. 1,102,619; July 7; Gaz. vol. 204; p. 140.
- Weinberg, Fritz, assignor to E. Berliner, Washington, D. C. Multicylinder rotary gas-engine. No. 1,105,118; July 28; Gaz. vol. 204; p. 1141.
- Weinberg, Ike J., assignor, by mesne assignments, to Dixie Cotton Felt Mattress Company, Chicago, Ill. Machine for filling compartment-mattresses. No. 1,093,668; Apr. 21; Gaz. vol. 201; p. 603.
- Weinberg, Julius G. (See Andrews, Arthur A., assignor.)
- Weindel, Anton. (See Kéler and Weindel.)
- Weiner, Morris. (See Cohn and Weiner.)
- Weiner, Samuel M. (See Silverman, Wulf, assignor.)
- Weinke, Henry A., Sanborn, Iowa. Lifting-jack. No. 1,101,598; June 30; Gaz. vol. 203; p. 1296.
- Weinman, Joseph C., Boone, Iowa. Hame-fastener and reinforcement for horse-collars. No. 1,090,896; Mar. 24; Gaz. vol. 200; p. 883.
- Weinmann, Louis E., Chicago, Ill. Sofa-bed. No. 1,120,349; Dec. 8; Gaz. vol. 209; p. 538.
- Weinrich, Frank, Chicago, Ill., assignor to Brunswick-Balke-Collender Co. Water-closet. No. 1,119,210; Dec. 1; Gaz. vol. 209; p. 108.
- Weinrich, Moriz, Yonkers, N. Y. Manufacturing refined sugar. No. 1,084,771; Jan. 20; Gaz. vol. 198; p. 562.
- Weinrich, Moriz, Yonkers, N. Y. Defecating raw cane-sugar or cane-sugar syrup. No. 1,084,772; Jan. 20; Gaz. vol. 198; p. 563.
- Weinrich, Moriz, Yonkers, N. Y. Drying bone-black. No. 1,121,429; Dec. 15; Gaz. vol. 209; p. 964.
- Weinschenker, Gustave, New Alexandria, Pa. Lubricator for pit-car wheels. No. 1,089,169; Mar. 3; Gaz. vol. 200; p. 173.
- Weinstein, Jacob, New Haven, Conn. Mothproof bag. No. 1,113,525; Oct. 13; Gaz. vol. 207; p. 433.
- Weintraub, Ezechiel, Schenectady, N. Y., assignor to General Electric Company. Means for transforming electrical energy. No. 1,086,101; Feb. 3; Gaz. vol. 199; p. 188.
- Weintraub, Ezechiel, Schenectady, N. Y., assignor to General Electric Company. Transforming electrical energy. No. 1,086,102; Feb. 3; Gaz. vol. 199; p. 188.
- Weintraub, Ezechiel, Schenectady, N. Y., assignor to General Electric Company. Electric lamp. No. 1,086,103; Feb. 3; Gaz. vol. 199; p. 189.
- Weintraub, Ezechiel, Schenectady, N. Y., assignor to General Electric Company. Producing light by electricity. No. 1,086,104; Feb. 3; Gaz. vol. 199; p. 189.
- Weintraub, Ezechiel, Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus and method of operating the same. No. 1,086,105; Feb. 3; Gaz. vol. 199; p. 189.
- Weintraub, Ezechiel, Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 1,086,106; Feb. 3; Gaz. vol. 199; p. 190.
- Weintraub, Ezechiel, Schenectady, N. Y., assignor to General Electric Company. Operating vapor electric apparatus from an alternating-current source. No. 1,110,847; Sept. 15; Gaz. vol. 206; p. 786.
- Weintraub, Ezechiel, Schenectady, N. Y., assignor to General Electric Company. Transmitting alternating current through a vapor. No. 1,115,631; Nov. 3; Gaz. vol. 208; p. 55.
- Weintraub, Ezechiel, Schenectady, N. Y., assignor to General Electric Company. Receiver for wireless telegraphy. No. 1,116,183; Nov. 3; Gaz. vol. 208; p. 244.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Electric lamp. No. 1,086,107; Feb. 3; Gaz. vol. 199; p. 190.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Hard body for wearing-surfaces and the like. No. 1,088,858; Mar. 3; Gaz. vol. 200; p. 63.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Electrode. No. 1,093,957; Apr. 21; Gaz. vol. 201; p. 699.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Ethereal-wave-responsive device. No. 1,096,142; May 12; Gaz. vol. 202; p. 365.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Platinum alloy. No. 1,096,655; May 12; Gaz. vol. 202; p. 540.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Vapor electric device. No. 1,102,308; July 7; Gaz. vol. 204; p. 30.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Making boron suboxid. No. 1,105,388; July 28; Gaz. vol. 204; p. 1239.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Variable-resistance device. No. 1,110,848; Sept. 15; Gaz. vol. 206; p. 786.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Metallic electrode. No. 1,116,960; Nov. 10; Gaz. vol. 208; p. 559.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Electrical heating device. No. 1,118,387; Nov. 24; Gaz. vol. 208; p. 1138.
- Weintraub, Ezechiel, and A. E. Hirschman, Lynn, Mass., assignors to General Electric Company. Vapor electric device. No. 1,093,368; Apr. 14; Gaz. vol. 201; p. 462.
- Weintraub, Ezechiel, and F. A. Kroner, Lynn, Mass., assignors to General Electric Company. Refractory fibrous material and making the same. No. 1,094,352; Apr. 21; Gaz. vol. 201; p. 828.
- Weir & Craig Manufacturing Company. (See Shreve, Harry B., assignor.)
- Weir, Harry B., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Dynamo-electric machine. No. 1,117,731; Nov. 17; Gaz. vol. 208; p. 871.
- Weir, James G., Glasgow, Scotland. Geared propeller-drive for ships. No. 1,103,117; July 14; Gaz. vol. 204; p. 359.
- Weir, Robert E. C., New York, N. Y. Mechanical rowboat. No. 1,112,954; Oct. 6; Gaz. vol. 207; p. 189.
- Weir Stove Company. (See Syvertsen, Ole C., assignor.)

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- Weis, Alwin W. D., Quincy, Ill. Paper-corrugating machine. No. 1,115,265; Oct. 27; Gaz. vol. 207; p. 1137.
- Weis, Andrew L., Monroe, Mich., assignor to The Weis-Van Wormer Company. Closure for paper packages. No. 1,095,535; May 5; Gaz. vol. 202; p. 125.
- Weis, Andrew L., assignor to Weis Manufacturing Co., Monroe, Mich. Filing device for talking-machine records. No. 1,117,118; Nov. 10; Gaz. vol. 208; p. 613.
- Weis, Andrew L., assignor to Weis Manufacturing Co., Monroe, Mich. Filing device for talking-machine records. No. 1,120,872; Dec. 15; Gaz. vol. 209; p. 770.
- Weis, Andrew L. and F. N., assignors to The Weis-Van Wormer Company, Monroe, Mich. Box-making machine. No. 1,095,536; May 5; Gaz. vol. 202; p. 125.
- Weis, Frank N. (See Weis, Andrew L. and F. N.)
- Weis, Frank N. and W. C., Monroe, Mich., assignors to The Weis-Van Wormer Company. Paper-box-making machine. No. 1,095,537; May 5; Gaz. vol. 202; p. 126.
- Weis, Hugo. (See Swarovski and Weis.)
- Weis, John P., Nyack, N. Y. Stocking-welting machine. No. 1,118,322; Nov. 24; Gaz. vol. 208; p. 1114.
- Weis, John P., Nyack, N. Y. Overseaming sewing-machine. No. 1,119,912; Dec. 8; Gaz. vol. 209; p. 383.
- Weis, John P., Brooklyn, N. Y., assignor, by mesne assignments, to Metropolitan Sewing Machine Company. Feeding mechanism for sewing-machines. No. 1,088,752; Mar. 3; Gaz. vol. 200; p. 28.
- Weis, John P., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Looper mechanism for sewing-machines. No. 1,094,353; Apr. 21; Gaz. vol. 201; p. 828.
- Weis, John P., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Combined cutting and sewing machine. No. 1,114,082; Oct. 20; Gaz. vol. 207; p. 666.
- Weis, John P., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Sewing-machine. No. 1,118,709; Nov. 24; Gaz. vol. 208; p. 1251.
- Weis, John P., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Tensioning mechanism. No. 1,118,710; Nov. 24; Gaz. vol. 208; p. 1252.
- Weis, John P., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Presser-foot for sewing-machines. No. 1,118,711; Nov. 24; Gaz. vol. 208; p. 1252.
- Weis, John P., assignor to Metropolitan Sewing Machine Company, Nyack, N. Y. Overedge stitching-machine. No. 1,097,381; May 19; Gaz. vol. 202; p. 836.
- Weis, John P., Nyack, assignor to Metropolitan Sewing Machine Company, New York, N. Y. Combined ruffling and feeding mechanism for sewing-machines. No. 1,118,321; Nov. 24; Gaz. vol. 208; p. 1114.
- Weis, John P., and C. E. Johnson, Nyack, assignors to L. N. Littauer, Gloversville, N. Y. Multiple-needle overedge-stitch-forming mechanism. No. 1,083,967; Jan. 13; Gaz. vol. 198; p. 263.
- Weis, John P., and R. R. Hughes, Jr., Nyack, assignors to L. N. Littauer, Gloversville, N. Y. Combined ruffling, trimming, and overstitch sewing mechanism. No. 1,111,339; Sept. 22; Gaz. vol. 206; p. 999.
- Weis Manufacturing Co. (See Weis, Andrew L., assignor.)
- Weis, Otto, Vancouver, British Columbia, Canada. Fruit-squeezer. No. 1,107,230; Aug. 11; Gaz. vol. 205; p. 618.
- Weis-Van Wormer Company, The. (See Weis, Andrew L., assignor.)
- Weis-Van Wormer Company, The. (See Weis, Andrew L. and F. N., assignors.)
- Weis-Van Wormer Company, The. (See Weis, Frank N. and W. C., assignors.)
- Weis, William C. (See Weis, Frank N. and W. C.)
- Weisbach, Rudolph. (See Berger and Weisbach.)
- Weisbrod, Jacob H., assignor to American Car and Foundry Company, St. Louis, Mo. Cast-steel body-bolster. No. 1,109,606; Sept. 1; Gaz. vol. 206; p. 262.
- Weisbrod, Jacob H., assignor to American Car and Foundry Company, St. Louis, Mo. Car end plate. No. 1,122,450; Dec. 29; Gaz. vol. 209; p. 1391.
- Weise, Clarence H., and F. A. McAuvie, Archbald, Pa.; said McAuvie assignor to said Weise. Moving-picture machine. No. 1,092,549; Apr. 7; Gaz. vol. 201; p. 146.
- Weise, Julius, Wiesbaden, and F. Rieche, assignors to R. Koepp & Co., Chemische Fabrik, Oestrich-on-the-Rhine, Germany. Production of mixtures of nitrogen and hydrogen suitable for the manufacture of ammonia. No. 1,098,139; May 26; Gaz. vol. 202; p. 1145.
- Weiser, Abraham G., South Pasadena, Cal. Door and latch handle. No. 1,095,611; May 5; Gaz. vol. 202; p. 150.
- Weiser, Edward, Hamilton, Ohio. Device for breaking and locking rims. No. 1,120,257; Dec. 8; Gaz. vol. 209; p. 505.
- Weiser, Frank J., Norwood, Minn. Rope-machine. No. 1,110,472; Sept. 15; Gaz. vol. 206; p. 655.
- Weiser, Frank J. W., assignor to George P. Bent Company, Chicago, Ill. Adjustable piano-string plate. No. 1,097,694; May 26; Gaz. vol. 202; p. 988.
- Weiser, John, Chicago, Ill. Piano sounding-board. No. 1,090,261; Mar. 17; Gaz. vol. 200; p. 635.
- Weisert, Ida M., New York, N. Y. Diaper-protector. No. 1,096,477; May 12; Gaz. vol. 202; p. 480.
- Weiskopf, Charles H., Jr., Los Angeles, Cal. Resilient wheel. No. 1,100,040; June 16; Gaz. vol. 203; p. 652.
- Weiss, Albert T., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Labeling-machine. No. 1,086,572; Feb. 10; Gaz. vol. 199; p. 393.
- Weiss, Albert T., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Furniture-drawer. No. 1,095,363; May 5; Gaz. vol. 202; p. 65.
- Weiss, Albert T., assignor to Yawman & Erbe Manufacturing Co., Rochester, N. Y. Locking device for sectional furniture. No. 1,095,364; May 5; Gaz. vol. 202; p. 65.
- Weiss, Albert T., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Partitions or walls for metal furniture. No. 1,112,506; Oct. 6; Gaz. vol. 207; p. 33.
- Weiss, Albert T., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Follower for filing-receptacles. No. 1,114,081; Oct. 20; Gaz. vol. 207; p. 665.
- Weiss, Albert T., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Follower for filing-receptacles. No. 1,116,184; Nov. 3; Gaz. vol. 208; p. 245.
- Weiss, Albert T., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Tie-piece for metallic furniture. No. 1,118,979; Dec. 1; Gaz. vol. 209; p. 26.
- Weiss, Alfred H., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Semi-automatic telephone system. No. 1,117,290; Nov. 17; Gaz. vol. 208; p. 715.
- Weiss, Arthur J., West Orange, assignor of one-half to E. A. McCoy, East Orange, N. J. Device for regulating supplemental supply of fuel mixtures and air to internal-combustion engines. No. 1,115,632; Nov. 3; Gaz. vol. 208; p. 56.
- Weiss, Christian, Nuremberg, F. Bürker, Trossingen, Württemberg, and M. Heuschkel, Stuttgart, assignors to Württembergische Harmonikafabrik Ch. Weiss, Trossingen, Germany. Metal harmonica. No. 1,094,180; Apr. 21; Gaz. vol. 201; p. 775.
- Weiss, David, Cleveland, Ohio. Tooth-brush. No. 1,086,006; Feb. 3; Gaz. vol. 199; p. 153.
- Weiss, David, Cleveland, Ohio. Tooth-brush. No. 1,104,459; July 21; Gaz. vol. 204; p. 863.
- Weiss, David, Cleveland, Ohio. Combined head-shield and band for cigars. No. 1,106,016; Aug. 4; Gaz. vol. 205; p. 150.
- Weiss, George W., New York, N. Y. Dress-form. No. 1,121,698; Dec. 22; Gaz. vol. 209; p. 1094.
- Weiss, Heinrich, Vienna, Austria-Hungary. Oil-transformer. No. 1,104,723; July 21; Gaz. vol. 204; p. 955.
- Weiss, José, Houghton, Arundel, and A. Keith, London, England. Wing or supporting-plane for aeroplanes and aerial machines. No. 1,092,192; Apr. 7; Gaz. vol. 201; p. 23.
- Weiss, Joseph, Bison, Kans. Door-closure. No. 1,086,962; Feb. 10; Gaz. vol. 199; p. 527.
- Weiss, Joseph W., Baltimore, Md. Collapsible carton. No. 1,104,234; July 21; Gaz. vol. 204; p. 785.
- Weiss, Joseph W., Baltimore, Md. Reinforced collapsible box. No. 1,108,289; Aug. 25; Gaz. vol. 205; p. 1087.
- Weiss, Joseph W., Baltimore, Md. Collapsible hat-package. No. 1,109,722; Sept. 8; Gaz. vol. 206; p. 347.
- Weiss, Joseph W., Baltimore, Md. Collapsible carton. No. 1,119,207; Dec. 1; Gaz. vol. 209; p. 107.
- Weiss, Joseph W., Baltimore, Md. Collapsible or knock-down box. No. 1,119,208; Dec. 1; Gaz. vol. 209; p. 107.
- Weiss, Joseph W., Baltimore, Md. Collapsible carton. No. 1,120,774; Dec. 15; Gaz. vol. 209; p. 736.
- Weiss, Karl, assignor to The Blake and Johnson Company, Waterbury, Conn. Machine for feeding headed blanks. No. 1,104,029; July 21; Gaz. vol. 204; p. 715.
- Weiss, Louis T., Jr., assignor to Reliance Ball Bearing Door Hanger Company, New York, N. Y. Door-hanger. No. 1,085,074; Jan. 20; Gaz. vol. 198; p. 663.
- Weiss, Robert, Kingersheim, Germany. Finishing or dressing textile fabrics with soapy preparations. No. 1,097,493; May 19; Gaz. vol. 202; p. 875.
- Weiss, Willard A., Needles, Cal. Lathe-chuck. No. 1,095,304; May 5; Gaz. vol. 202; p. 45.
- Weissberg, David, assignor of one-half to M. Weissberg, Pittsburgh, Pa. Trunk-lock. No. 1,122,224; Dec. 22; Gaz. vol. 209; p. 1276.
- Weissberg, Ernst, Cassel, Germany. Electric safety-fuse. No. 1,092,805; Apr. 7; Gaz. vol. 201; p. 234.
- Weissberg, Max. (See Weissberg, David, assignor.)
- Weisse, Faneuil D., New York, N. Y. Set of teeth for practice-work in dental surgery. No. 1,108,290; Aug. 25; Gaz. vol. 205; p. 1087.
- Weisse, Richard A., Brooklyn, N. Y. Machine for folding and cutting textile and paper strips. No. 1,098,538; June 2; Gaz. vol. 203; p. 64.
- Weissenborn, Albert B., Appleton, Wis. Shuttle. No. 1,119,132; Dec. 1; Gaz. vol. 209; p. 81.
- Weissenhanner, Alfred L., Bayonne, N. J. Closure for jars, &c. No. 1,108,645; Aug. 25; Gaz. vol. 205; p. 1209.
- Weissenhanner, Alfred L., Bayonne, N. J. Sheet-metal stopper. No. 1,118,606; Nov. 24; Gaz. vol. 208; p. 1217.
- Weisser, Mathias, Milwaukee, Wis. Gas-engine. No. 1,099,955; June 16; Gaz. vol. 203; p. 624.

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- Weisz, Joseph, Colombes, near Paris, France. Internal-combustion engine. No. 1,101,599; June 30; Gaz. vol. 203; p. 1296.
- Weiter, Joseph H., Mexico, Mexico. Clamping device for heels or the like. No. 1,088,753; Mar. 3; Gaz. vol. 200; p. 28.
- Weitershausen, Albert W., Millvale borough, assignor to Pittsburgh Art Glass Company, Pittsburgh, Pa. Leaded glass construction. No. 1,112,420; Sept. 29; Gaz. vol. 206; p. 1411.
- Weithaler, Anton, Karlsruhe, Germany. Producing smooth, glossy, or glazed coating on cement goods. No. 1,101,823; June 30; Gaz. vol. 203; p. 1372.
- Weitz, Frank H., Duryea, Pa. Bobbin-holder ejector. No. 1,087,703; Feb. 17; Gaz. vol. 199; p. 837.
- Weitzel, George M., Duquesne, Pa. Game apparatus. No. 1,112,243; Sept. 29; Gaz. vol. 206; p. 1349.
- Weitzenkorn, Joseph W. (See Sargent and Weitzenkorn.)
- Weixler, Mathias, Louisville, Ky. Knockdown tree-guard. No. 1,116,961; Nov. 10; Gaz. vol. 208; p. 559.
- Welage, Bernard J. (See Schnitzler and Welage.)
- Welborn, Wayman L. (See Wiggs, William W., assignor.)
- Welby, Harry S., Fresno, Cal. Combination tripod and staff. No. 1,093,750; Apr. 21; Gaz. vol. 201; p. 630.
- Welch, Albert G., executor. (See Woods, Edwin S.)
- Welch, Albert G., executor. (See Woods and Weigel.)
- Welch, Allie R. and F. S., Pontiac, Mich. Transmission mechanism. No. 1,122,341; Dec. 29; Gaz. vol. 209; p. 1355.
- Welch, Cephas. (See Bollenbach, Louis, assignor.)
- Welch, Clarence R., Scranton, Pa. Controlling apparatus for hoisting-engines. No. 1,108,044; Aug. 18; Gaz. vol. 205; p. 952.
- Welch, Drew O., Dublin, Tex. Plow attachment. No. 1,086,427; Feb. 10; Gaz. vol. 199; p. 340.
- Welch, Fred S. (See Welch, Allie R. and F. S.)
- Welch, George J., Wanganui, New Zealand. Non-refillable bottle. No. 1,114,083; Oct. 20; Gaz. vol. 207; p. 666.
- Welch, George S., Chicago, Ill. Oven. No. 1,119,737; Dec. 1; Gaz. vol. 209; p. 286.
- Welch, Gustin, Niagara Falls, N. Y. Inhaler-holder. No. 1,098,140; May 26; Gaz. vol. 202; p. 1146.
- Welch, Gustin, Niagara Falls, N. Y. Tube-holder. No. 1,098,141; May 26; Gaz. vol. 202; p. 1146.
- Welch, Horace, Selma, Ala. Rake-cleaner. No. 1,099,001; June 2; Gaz. vol. 203; p. 218.
- Welch, Horace H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Speed-indicator. No. 1,084,587; Jan. 13; Gaz. vol. 198; p. 471.
- Welch, James, Torrington, Conn. Lace-curtain stretcher. No. 1,119,668; Dec. 1; Gaz. vol. 209; p. 264.
- Welch, John D. (See Boyd and Welch.)
- Welch, John R., Alexandria, Ind. Wheel. No. 1,100,800; June 23; Gaz. vol. 203; p. 968.
- Welch, John R., assignor to The Kinsey Manufacturing Company, Toledo, Ohio. Door for automobile-bodies. No. 1,091,608; Mar. 31; Gaz. vol. 200; p. 1169.
- Welch, John R., assignor to The Kinsey Manufacturing Company, Toledo, Ohio. Hinge. No. 1,091,609; Mar. 31; Gaz. vol. 200; p. 1169.
- Welch, Johnson B., assignor of one-half to A. R. Hiatt Stockport, Iowa. Chicken-coop. No. 1,087,414; Feb. 17; Gaz. vol. 199; p. 734.
- Welch, Lawrence E., Meriden, Conn. Reaming attachment for die-stocks. No. 1,096,876; May 19; Gaz. vol. 202; p. 658.
- Welch, Lyman W., Grand Rapids, Mich. Revolving-rack show-case. No. 1,104,156; July 21; Gaz. vol. 204; p. 758.
- Welch, Lyman W., assignor to The Welch Manufacturing Company, Grand Rapids, Mich. Revolving-rack show-case. No. 1,101,600; June 30; Gaz. vol. 203; p. 1297.
- Welch Manufacturing Company, The. (See Welch, Lyman W., assignor.)
- Welch, Thomas B., et al. (See Burnett, Charles E., assignor.)
- Welch, Timothy A., Sayre, Pa. Safety device for bolt-machines. No. 1,111,424; Sept. 22; Gaz. vol. 206; p. 1028.
- Welch, Walter H. (See Robb and Welch.)
- Welch, Walter J., assignor of one-half to W. E. Belcher, Chicago, Ill. Tank-skimmer. No. 1,107,391; Aug. 18; Gaz. vol. 205; p. 723.
- Welch, William H., assignor to The Cleveland Machine & Manufacturing Company, Cleveland, Ohio. Mechanical movement. No. 1,110,977; Sept. 15; Gaz. vol. 206; p. 831.
- Welch, William H., assignor to The Cleveland Machine & Manufacturing Company, Cleveland, Ohio. Drawing-press. No. 1,111,000; Sept. 15; Gaz. vol. 206; p. 838.
- Weld, Carley G., North Chatham, Mass. Fluid-pressure-driven pump. No. 1,114,659; Oct. 20; Gaz. vol. 207; p. 868.
- Weld, Carley G., North Chatham, Mass. Power fluid-actuated impulse-pump. No. 1,114,951; Oct. 27; Gaz. vol. 207; p. 1026.
- Weldy, Arthur S., Toronto, Ontario, Canada, assignor, by mesne assignments, to The McCaskey Register Company, (Incorporated in 1914,) Alliance, Ohio. Filing appliance. No. 1,116,771; Nov. 10; Gaz. vol. 208; p. 493.
- Welham, Alfred L., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Runway structure. No. 1,121,699; Dec. 22; Gaz. vol. 209; p. 1094.
- Welin, Axel, London, England, assignor to Welin Marine Equipment Company. Apparatus for hoisting and lowering ships' boats. No. 1,094,617; Apr. 28; Gaz. vol. 201; p. 981.
- Welin Davit and Lane & Degroot Co. (See Lundin, Andreas P., assignor.)
- Welin Marine Equipment Co. (See Broady, Harry W., assignor.)
- Welin Marine Equipment Company. (See Welin, Axel, assignor.)
- Welin, Peter, Worcester, Mass., assignor, by mesne assignments, to Krell Auto-Grand Piano Co. of America, Connersville, Ind. Panel-operating device. No. 1,085,650; Feb. 3; Gaz. vol. 199; p. 25.
- Welin, Peter, Worcester, Mass., assignor, by mesne assignments, to Krell Auto-Grand Piano Co. of America, Connersville, Ind. Panel-operating mechanism for musical-instrument cases. No. 1,091,175; Mar. 24; Gaz. vol. 200; p. 981.
- Welin, Peter, Worcester, Mass., assignor, by mesne assignments, to L. Maxwell, Cincinnati, Ohio. Combination grand piano. No. 1,120,775; Dec. 15; Gaz. vol. 209; p. 736.
- Welin, Peter, Worcester, Mass., assignor, by mesne assignments, to L. Maxwell, Cincinnati, Ohio. Double-scale tracker. No. 1,123,049; Dec. 29; Gaz. vol. 209; p. 1603.
- Welland, Bardenes P., Bricelyn, Minn. Horse-protector. No. 1,108,045; Aug. 18; Gaz. vol. 205; p. 953.
- Weller, Edwin. See Weller, Warren W., assignor.)
- Weller Manufacturing Co. (See Howard, Hermon E. assignor.)
- Weller, Warren W., assignor of one-half to E. Weller, Hamilton, Ohio. Disk plow. No. 1,096,478; May 12; Gaz. vol. 202; p. 480.
- Welles, Henry S., New York, N. Y. Artificial bait. No. 1,101,223; June 23; Gaz. vol. 203; p. 1116.
- Wellington, Stephen. (See Anson, Joseph, assignor.)
- Wellisch, Ferdinand J., London, England. Lock. No. 1,092,414; Apr. 7; Gaz. vol. 201; p. 100.
- Wellman, Alfred F., Cincinnati, Ohio. Bread-slicer. No. 1,123,050; Dec. 29; Gaz. vol. 209; p. 1603.
- Wellman, Calvin W., Oshkosh, Wis. Lowering device for caskets. No. 1,117,537; Nov. 17; Gaz. vol. 208; p. 801.
- Wellman, Charles P., West Medford, assignor to P. E. Ginn, Winchester, Mass. Feeder for automatic weighing-machines. No. 1,115,633; Nov. 3; Gaz. vol. 208; p. 56.
- Wellman, Henry O., Somerville, Mass. Tent-support. No. 1,089,803; Mar. 10; Gaz. vol. 200; p. 434.
- Wellman, Perley C., Emporia, Kans. Machine for applying box-stays. No. 1,097,112; May 19; Gaz. vol. 202; p. 742.
- Wellman, Samuel T., Cleveland, Ohio. Ladle for molten metal. No. 1,084,914; Jan. 20; Gaz. vol. 198; p. 610.
- Wellman, Samuel T., Cleveland, Ohio. Apparatus for treating metals. No. 1,116,772; Nov. 10; Gaz. vol. 208; p. 494.
- Wellman-Seaver-Morgan Company, The. (See Hulett, George H., assignor.)
- Wellman, William M. (See Pleger and Wellman.)
- Wellman, Willie F., Hoxie, Kans. Detachable bedstead side. No. 1,093,958; Apr. 21; Gaz. vol. 201; p. 699.
- Wells, Amelia B., and M. Blickhan, New York, N. Y. Garment. No. 1,118,913; Nov. 24; Gaz. vol. 208; p. 1319.
- Wells, Arthur C., Amityville, N. Y. Engine-starting device. No. 1,087,562; Feb. 17; Gaz. vol. 199; p. 786.
- Wells, Brooks H. (See Goodyear, Nelson, assignor.)
- Wells Brothers Company. (See Sullivan and Judge, assignors.)
- Wells, Charles H. (See Adams, Wells, and Payne.)
- Wells, Cherrill H., Chicago, Ill. Garment. No. 1,089,353; Mar. 3; Gaz. vol. 200; p. 230.
- Wells, Elias B., Miami, Fla. Wire-fence clamp. No. 1,105,389; July 28; Gaz. vol. 204; p. 1239.
- Wells, Elisha F., Miami, Fla. Casting-reel. No. 1,114,084; Oct. 20; Gaz. vol. 207; p. 666.
- Wells, Elmer E., Goltry, Okla. Silo-roof. No. 1,107,002; Aug. 11; Gaz. vol. 205; p. 537.
- Wells, Ezra T., Chicago, Ill. Vehicle-spring. No. 1,118,708; Nov. 24; Gaz. vol. 208; p. 1251.
- Wells, Frank B., Kansas City, Mo. Combination velocipede and cart. No. 1,105,731; Aug. 4; Gaz. vol. 205; p. 51.
- Wells, Frank C. (See Babcock, Wells, and Brown.)
- Wells, Frank E. (See Wells, Willet C. and F. E.)
- Wells, Frank O., and F. Judge, Greenfield, Mass. Caliper-gage for screw-threads. No. 1,090,180; Mar. 17; Gaz. vol. 200; p. 607.
- Wells, Frederic E., Greenfield, Mass. Tap-wrench. No. 1,099,681; June 9; Gaz. vol. 203; p. 494.
- Wells, Gordon. (See Jaques and Wells.)

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- Wells, Henry F. (See Fenton, William C., assignor.)
- Wells, Jay L. (See Lenhart and Wells.)
- Wells, Joel C., Southbridge, Mass. Spectacles and eyeglasses. No. 1,090,181; Mar. 17; Gaz. vol. 200; p. 607.
- Wells, Joel C., Southbridge, Mass. Glasses. No. 1,098,418; June 2; Gaz. vol. 203; p. 21.
- Wells, Joel C., Southbridge, Mass. Split-bridge lens attachment. No. 1,099,273; June 9; Gaz. vol. 203; p. 352.
- Wells, Joel C., Southbridge, Mass. Guard. No. 1,101,512; June 23; Gaz. vol. 203; p. 1216.
- Wells, Joel C., Southbridge, Mass. Ophthalmic mounting. No. 1,103,389; July 14; Gaz. vol. 204; p. 451.
- Wells, Joel C., Southbridge, Mass. Spectacles. No. 1,108,957; Sept. 1; Gaz. vol. 206; p. 35.
- Wells, Joel C., Southbridge, Mass. Eyeglasses. No. 1,114,830; Oct. 27; Gaz. vol. 207; p. 982.
- Wells, Joel C., and N. M. Baker, Southbridge, Mass. Ophthalmic mounting. No. 1,104,157; July 21; Gaz. vol. 204; p. 759.
- Wells, Leslie, *et al.* (See Hunter, Ira, assignor.)
- Wells, Millard E., Bristol, Ind. Photographer's printing-frame holder. No. 1,115,644; Nov. 3; Gaz. vol. 208; p. 57.
- Wells, O. A., *et al.* (See Kaylor, William, assignor.)
- Wells, Walter E., and J. H. Maguire, Gardner, Mass. Automatic train-stop device. No. 1,091,610; Mar. 31; Gaz. vol. 200; p. 1169.
- Wells, Walter W. (See Bachle and Wells.)
- Wells, Willet C. and F. E., Columbus, Ohio. Means for increasing the efficiency of fuel for motive power. No. 1,099,411; June 9; Gaz. vol. 203; p. 401.
- Wells, William H., Norwich, N. Y. Cutting-machine. No. 1,108,414; Aug. 25; Gaz. vol. 205; p. 1128.
- Wellstead, Henry, Evanston, assignor of one-half to M. P. Noyes, Chicago, Ill. Resilient tire. No. 1,087,474; Feb. 17; Gaz. vol. 199; p. 757.
- Welsbach, Carl A. von, Vienna, Austria-Hungary. Manufacture of electric filaments. No. 1,109,887; Sept. 8; Gaz. vol. 206; p. 405.
- Welsbach, Carl A. von, Vienna, Austria-Hungary. Manufacture of electric filaments. No. 1,109,888; Sept. 8; Gaz. vol. 206; p. 406.
- Welsbach, Carl A. von, Vienna, Austria-Hungary, assignor to Welsbach Light Company, Gloucester City, N. J. Manufacture of electric filaments. No. 1,086,428; Feb. 10; Gaz. vol. 199; p. 341.
- Welsbach, Carl A. von, Vienna, Austria-Hungary, assignor to Welsbach Light Company, Gloucester City, N. J. Manufacture of electric filaments. No. 1,109,886; Sept. 8; Gaz. vol. 206; p. 405.
- Welsbach, Carl F. A. von, Vienna, Austria-Hungary. Manufacture of electric filaments. No. 1,090,111; Mar. 10; Gaz. vol. 200; p. 541.
- Welsbach Light Company. (See Baskerville, Charles, assignor.)
- Welsbach Light Company. (See Knoedler, Elmer L., assignor.)
- Welsbach Light Company. (See Litle, Thomas J., Jr., assignor.)
- Welsbach Light Company. (See Lyon, Howard, assignor.)
- Welsbach Light Company. (See Welsbach, Carl A. von, assignor.)
- Welsh, Frank E., Jr. (See Graf, Robert R., assignor.)
- Welsh, Henry W., assignor to The Avery Scale Company, North Milwaukee, Wis. Apparatus for weighing liquids. No. 1,099,223; June 9; Gaz. vol. 203; p. 335.
- Welsh, James M., Niagara Falls, N. Y., assignor, by mesne assignments, to The Spirella Company, Meadville, Pa. Garment stay and clasp. No. 1,108,534; Aug. 25; Gaz. vol. 205; p. 1171.
- Welsh, James W. (See Jones and Welsh.)
- Welsh, Linnie J., Plainville, Ill. Tongue-truck. No. 1,107,001; Aug. 11; Gaz. vol. 205; p. 537.
- Welsh, Maurice, and I. Paul, Chicago, Ill. Razor-blade holder. No. 1,120,350; Dec. 8; Gaz. vol. 209; p. 538.
- Welsh, Michael D., Plymouth, Mass. Fence-post. No. 1,083,310; Feb. 24; Gaz. vol. 199; p. 1091.
- Welter Sole Company. (See Brewer, Albert G., assignor.)
- Welter, Grover C., Roswell, N. Mex. Folding box. No. 1,094,764; Apr. 28; Gaz. vol. 201; p. 1036.
- Welter, William F., Chicago, Ill. Box-staying machine. No. 1,092,614; Apr. 7; Gaz. vol. 201; p. 170.
- Welton, John A., Canal Dover, Ohio. Grinding-mill. No. 1,087,415; Feb. 17; Gaz. vol. 199; p. 734.
- Welton, Park E., Akron, Ohio. Vulcanizer. No. 1,121,214; Dec. 15; Gaz. vol. 209; p. 890.
- Welwood, Eugene D., assignor to Porcela-Radax Company, Pittsburgh, Pa. Cleaning-powder. No. 1,117,732; Nov. 17; Gaz. vol. 208; p. 872.
- Wemlinger, Julius R., New York, N. Y. Metal sheet-piling. No. 1,084,120; Jan. 13; Gaz. vol. 198; p. 316.
- Wenborne, Charles A., Chicago, Ill., assignor to The Wenborne-Karpen Dryer Co. Drying apparatus. No. 1,087,563; Feb. 17; Gaz. vol. 199; p. 787.
- Wenborne-Karpen Dryer Co. (See Hultgren, Charles, assignor.)
- Wenborne-Karpen Dryer Co., The. (See Wenborne, Charles A., assignor.)
- Wendelken, Cyrus F., Newark, Ohio. Extensible billiard-table. No. 1,106,017; Aug. 4; Gaz. vol. 205; p. 150.
- Wendell, Carl A., Joliet, Ill. Continuous automatic drier. No. 1,088,754; Mar. 3; Gaz. vol. 200; p. 28.
- Wendell, Fred C., deceased; T. S. Wendell, administratrix, New York, N. Y. Apron-controlling mechanism. No. 1,100,801; June 23; Gaz. vol. 203; p. 968.
- Wendell, Fred C., deceased; T. S. Wendell, administratrix, New York, N. Y. Ironing-machine. No. 1,118,712; Nov. 24; Gaz. vol. 208; p. 1253.
- Wendell, H. F. (See Beeny, Maurice J. and E. W., assignors.)
- Wendell, Harry F. (See Epley, James G., assignor.)
- Wendell, Theresa S., administratrix. (See Wendell, Fred C.)
- Wendland, Robert G. (See Griffith and Wendland.)
- Wendorf, Herman E., Lakemills, Wis. Post-hole digger. No. 1,107,734; Aug. 18; Gaz. vol. 205; p. 845.
- Wendt, Gustave A., Spokane, Wash. Revolving-cylinder gas-engine. No. 1,111,048; Sept. 22; Gaz. vol. 206; p. 899.
- Wendt, Karl, assignor to Georgs-Marien-Bergwerks- und Hütten-Verein, Aktiengesellschaft, Georgsmarienhütte, near Osnabrück, Germany. Furnace with regenerative firing. No. 1,097,900; May 26; Gaz. vol. 202; p. 1063.
- Wendt, Oswald H., Detroit, Mich. Tool-maker's locating-tool. No. 1,101,601; June 30; Gaz. vol. 203; p. 1297.
- Wenger, Jacob W., Bottineau, N. D. Nose-bag support. No. 1,084,985; Jan. 20; Gaz. vol. 198; p. 633.
- Wenger, Solomon B., South English, Iowa. Corn-rack. No. 1,095,687; May 5; Gaz. vol. 202; p. 175.
- Wenieke, Albert, assignor of one-half to L. Wenieke, Burlington, Iowa. Glass-cleaner. No. 1,084,184; Jan. 13; Gaz. vol. 198; p. 338.
- Wenieke, Louis. (See Wenieke, Albert, assignor.)
- Wenige, Arthur F. (See Dujat, John C., assignor.)
- Wenker, Benedict G., and J. F. Krause, St. Joseph, Mo. Foot-action flusher or water-supply device. No. 1,083,382; Jan. 6; Gaz. vol. 198; p. 41.
- Wennagel, Theodor S., Hamburg, Germany. Manufacture of elastic plastic masses. No. 1,107,003; Aug. 11; Gaz. vol. 205; p. 538.
- Wenon, William, Kirkwood, Mo. Non-skidder. No. 1,083,644; Jan. 6; Gaz. vol. 198; p. 128.
- Wenrich, Christopher E., assignor of one-half to P. D. Allwine, Harrisburg, Pa. Target-operating mechanism. No. 1,088,668; Feb. 24; Gaz. vol. 199; p. 1209.
- Wensley, James A. (See Ethridge, Frank N., assignor.)
- Wenslick, John H., assignor to The Fulton Tool Works, Canal Fulton, Ohio. Fastener for sectional coal-auger nuts. No. 1,099,224; June 9; Gaz. vol. 203; p. 336.
- Wentland, Daniel, Pettibone, N. D. Gang-plow. No. 1,109,806; Sept. 8; Gaz. vol. 206; p. 375.
- Wentling, Jacob E. (See Mauck and Wentling.)
- Wentworth, Edward F., assignor to Model Underwear Company, Sinking Spring, Pa. Undergarment. No. 1,089,888; Mar. 10; Gaz. vol. 200; p. 464.
- Wentworth, Samuel J., Newport, Ky., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Forming heel-seats for boots and shoes. No. 1,090,182; Mar. 17; Gaz. vol. 200; p. 607.
- Wentz, George F., assignor to The Wentz Yoder Manufacturing Company, Cleveland, Ohio. Thermostatic valve. No. 1,088,193; Feb. 24; Gaz. vol. 199; p. 1052.
- Wentz, George F., Lakewood, Ohio, assignor to Spotless Steam Sponger Co., Cleveland, Ohio. Drainage means for drying-drums. No. 1,095,757; May 5; Gaz. vol. 202; p. 199.
- Wentz, William C., Marine, Ill. Headlight-actuator. No. 1,090,262; Mar. 17; Gaz. vol. 200; p. 635.
- Wentz Yoder Manufacturing Company, The. (See Wentz, George F., assignor.)
- Wenzel, Albert W., Newark, N. J., assignor to American Piston Ring Company. Machine for hammering metal packing-rings. No. 1,113,526; Oct. 13; Gaz. vol. 207; p. 433.
- Wenzel, John, New York, N. Y. Dumping-wagon. No. 1,096,083; May 12; Gaz. vol. 202; p. 346.
- Wenzel, John M. (See Wolf, Fred A., assignor.)
- Wenzel, Max, Spremberg, Germany. Apparatus for piecing warp-threads. No. 1,098,308; May 26; Gaz. vol. 202; p. 1204.
- Wenzel, Max, Spremberg, Germany. Apparatus for successively separating single threads from a warp. No. 1,105,867; Aug. 4; Gaz. vol. 205; p. 98.
- Wenzel-Schmidt, Hermann, Unionport, N. Y. Instrument for measuring the tension and the sounding length of strings. No. 1,113,390; Oct. 13; Gaz. vol. 207; p. 385.
- Wenzelmann, Gustave. (See Shoemaker, William B., assignor.)
- Wenzelmann, Gustave, Galesburg, Ill. Electric stove or iron. No. 1,093,510; Apr. 14; Gaz. vol. 201; p. 506.
- Wenzelmann, Gustave, Galesburg, Ill. Silo. No. 1,115,880; Nov. 3; Gaz. vol. 208; p. 140.
- Wenzelmann, Gustave, Galesburg, Ill. Silo. No. 1,116,654; Nov. 10; Gaz. vol. 208; p. 453.
- Wenzelmann, Gustave, Galesburg, Ill. Operating means for driven mechanisms. No. 1,118,980; Dec. 1; Gaz. vol. 209; p. 27.
- Wenzelmann, Gustave, Galesburg, Ill. Scale-tester. No. 1,118,981; Dec. 1; Gaz. vol. 209; p. 27.
- Werden, Henrietta T. (See Coe and Werden.)

Alphabetical list of patentees—Continued.

- Werden, Henrietta T., and S. L. W. Coe, New York, N. Y. Vending-machine. No. 1,084,242; Jan. 13; Gaz. vol. 198; p. 358.
- Werkheiser, Robert C., Wilkes-Barre, Pa. Toe-cap for boots and shoes. No. 1,115,045; Oct. 27; Gaz. vol. 207; p. 1059.
- Werling, Julius H. (See Brown and Werling.)
- Werns, Sidney. (See Kellner and Werns.)
- Wern, Gustav P., New York, N. Y. Automatic control for a band-brake. No. 1,109,382; Sept. 1; Gaz. vol. 206; p. 188.
- Werner, Friedrich C. K., Brooklyn, N. Y. Cover for evaporated-milk cans or the like. No. 1,113,270; Oct. 13; Gaz. vol. 207; p. 342.
- Werner, John, Rochester, N. Y. Syrup-cooker. No. 1,105,168; July 28; Gaz. vol. 204; p. 1157.
- Werner, Oscar, Los Angeles, Cal. Pencil-holder. No. 1,110,518; Sept. 15; Gaz. vol. 206; p. 670.
- Werner, Paul, assignor of one-half to E. Spindler, New York, N. Y. Washing-machine. No. 1,086,253; Feb. 3; Gaz. vol. 199; p. 237.
- Werner & Pfeiderer. (See Wild, Anton, assignor.)
- Werner, Thomas O., Bangor, Pa. Transmission mechanism. No. 1,097,901; May 26; Gaz. vol. 202; p. 1063.
- Werner, William, Milwaukee, Wis. Gripping device. No. 1,109,190; Sept. 1; Gaz. vol. 206; p. 119.
- Wernery, Lester A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,108,415; Aug. 25; Gaz. vol. 205; p. 1128.
- Werness, Edward, Red Wing, Minn. Shipping-package. No. 1,097,695; May 26; Gaz. vol. 202; p. 989.
- Wernet, George L., and H. A. Collett, Philadelphia, Pa. Artificial tooth. No. 1,102,373; July 7; Gaz. vol. 204; p. 52.
- Wernicke, Otto H. L., Grand Rapids, Mich. Insulating-lining for safes. No. 1,084,986; Jan. 20; Gaz. vol. 198; p. 634.
- Wernicke, Otto H. L., assignor to The Macey Co., Grand Rapids, Mich. Fire-resisting cabinet. No. 1,096,479; May 12; Gaz. vol. 202; p. 481.
- Wernig, Frederick A., New York, N. Y. Bracket for license-number plates. No. 1,090,897; Mar. 24; Gaz. vol. 200; p. 883.
- Wernimont, Frank T., assignor to Hall Manufacturing Co., Monticello, Iowa. Wire-fence clamp. No. 1,122,829; Dec. 29; Gaz. vol. 209; p. 1526.
- Wernitz, Oliver W., Warsaw, Ind. Wrench. No. 1,115,755; Nov. 3; Gaz. vol. 208; p. 98.
- Werolin, Edwin S., Brooklyn, assignor to Sohmer & Company, New York, N. Y. Action for grand pianos. No. 1,097,696; May 26; Gaz. vol. 202; p. 989.
- Wert, Cyrus S., Kendallville, Ind. Tamping apparatus. No. 1,085,716; Feb. 3; Gaz. vol. 199; p. 48.
- Wert, Cyrus S., Kendallville, Ind. Brick-machine. No. 1,095,442; May 5; Gaz. vol. 202; p. 92.
- Wertepny, Alexander, Belfield, N. D. Non-skid protector for tires. No. 1,111,391; Oct. 13; Gaz. vol. 207; p. 385.
- Wertheim, Anne L., London, England. Self-leveling cot, bunk, couch, and the like for use on board ship. No. 1,084,915; Jan. 20; Gaz. vol. 198; p. 610.
- Wertheimer, Benjamin, New York, N. Y. Adjustable bandeau for ladies' hats. No. 1,086,963; Feb. 10; Gaz. vol. 199; p. 527.
- Wertz, Ambrose. (See Gast and Wertz.)
- Wertz, John T., New York, N. Y. Wire nipper and twister. No. 1,120,575; Dec. 8; Gaz. vol. 209; p. 618.
- Wervath, Hans, Chicago, Ill. Awning. No. 1,114,952; Oct. 27; Gaz. vol. 207; p. 1026.
- Wescott, Ernest W. (See Wescott, William B. and E. W.)
- Wescott, James M., Hornell, and C. B. Smith, Prattsburg, N. Y. Automatic safety gas-valve. No. 1,090,769; Mar. 17; Gaz. vol. 200; p. 807.
- Wescott, William B., assignor to Walpole Shoe Supply Company, Boston, Mass. Apparatus for heating coated fabric. No. 1,084,513; Jan. 13; Gaz. vol. 198; p. 443.
- Wescott, William B. and E. W., assignors, by mesne assignments, to Walpole Shoe Supply Company, Boston, Mass. Apparatus for heating coated fabric. No. 1,102,178; June 30; Gaz. vol. 203; p. 1499.
- Wesener, John A., Chicago, Ill. Maturing and bleaching flour. No. 1,096,480; May 12; Gaz. vol. 202; p. 481.
- Wesener, John A., Chicago, Ill. Apparatus for treating flour. No. 1,099,225; June 9; Gaz. vol. 203; p. 336.
- Weser, John A., New York, N. Y. Mechanical musical instrument. No. 1,088,000; Feb. 24; Gaz. vol. 199; p. 985.
- Weser, John A., New York, N. Y. Graphophone. No. 1,100,107; June 16; Gaz. vol. 203; p. 677.
- Wesley, Joseph J., Douglaston, N. Y., assignor to Metropolitan Electric & Mfg. Co. Metering panel-switchboard. No. 1,119,484; Dec. 1; Gaz. vol. 209; p. 201.
- Wesley, Oscar. (See Robbins, Jacob H., assignor.)
- Wesolowski, Peter J., Detroit, Mich. Latch. No. 1,084,681; Jan. 20; Gaz. vol. 198; p. 530.
- Wesolowski, Peter J., Detroit, Mich. Can-head-cutting machine. No. 1,100,802; June 23; Gaz. vol. 203; p. 968.
- Wesolowski, Peter J., Detroit, Mich. Latch. No. 1,104,460; July 21; Gaz. vol. 204; p. 863.
- Wesp, Emil J., Rochester, N. Y. Fastener for heels of shoes. No. 1,119,555; Dec. 1; Gaz. vol. 209; p. 227.
- Wesp, Emil J., Rochester, N. Y. Fastener for heels. No. 1,119,556; Dec. 1; Gaz. vol. 209; p. 227.
- Wessel, Karl, St. Paul, Minn. Flax-machine. No. 1,085,310; Jan. 27; Gaz. vol. 198; p. 783.
- Wessely, Norbert. (See Fanta, Regal, Vietze, and Wessely.)
- Wessendorff, Henry H. (See Putnam and Wessendorff.)
- Wessling, Henry, Hays Station, Pa. Refractory brick. No. 1,088,755; Mar. 3; Gaz. vol. 200; p. 29.
- Wessling, Henry, Hays Station, Pa. Refractory brick. No. 1,088,756; Mar. 3; Gaz. vol. 200; p. 29.
- Wessmann, Alfred C., New York, N. Y. Bookbinder's truck. No. 1,099,226; June 9; Gaz. vol. 203; p. 337.
- Wessmann, Alfred C. (See Schade, John, Jr., assignor.)
- Wessoleck, Augustus W., assignor to The American Hardware Corporation, New Britain, Conn. Speedometer attachment for cycles. No. 1,096,976; May 19; Gaz. vol. 202; p. 694.
- Wesson, Joseph H., Springfield, Mass. Making a cartridge-shell. No. 1,101,224; June 23; Gaz. vol. 203; p. 1116.
- West, Alonzo E., Portsmouth, Ohio, assignor to United Shoe Machinery Company, Paterson, N. J. Lubricating device for the shields of edge-trimming machines for shoes. No. 1,092,465; Apr. 7; Gaz. vol. 201; p. 118.
- West, Arthur J., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Internal-combustion engine. No. 1,101,893; June 30; Gaz. vol. 203; p. 1397.
- West, Augustus A., assignor to The Rosalind Company, New York, N. Y. Hair-curler. No. 1,095,254; May 5; Gaz. vol. 202; p. 28.
- West Bend Barn Equipment Company. (See Fitzgerald, Jeremiah C., assignor.)
- West, Brennan B., assignor to The American Multigraph Company, Cleveland, Ohio. Printing-machine. No. 1,106,906; Aug. 11; Gaz. vol. 205; p. 506.
- West, Charles C., Cairo, Ill. Tension device for armature-winding mechanism. No. 1,103,718; July 14; Gaz. vol. 204; p. 569.
- West, Charles C., assignor to Manitowoc Ship Building & Dry Dock Company, Manitowoc, Wis. Sand-barge. No. 1,106,124; Aug. 4; Gaz. vol. 205; p. 190.
- West, Charlotte, and R. Bernard, Chicago, Ill. Mechanical surgery appliance. No. 1,116,773; Nov. 10; Gaz. vol. 208; p. 494.
- West, David C., Lake George, N. Y. Claw-hammer. No. 1,117,465; Nov. 17; Gaz. vol. 208; p. 777.
- West Disinfecting Company. (See Marcuse, Moses M., assignor.)
- West, Earl E., assignor of one-half to W. H. Jarrett, Bridgeport, Ill. Well-bailing device. No. 1,092,788; Apr. 7; Gaz. vol. 201; p. 228.
- West End Pottery Company, The. (See Cuning, Willis E., assignor.)
- West, Ernest W., Gloversville, N. Y. Lawn-rake and seed-brush. No. 1,115,881; Nov. 3; Gaz. vol. 208; p. 140.
- West, Harry, Washington, D. C. Game-registering device. No. 1,086,254; Feb. 3; Gaz. vol. 199; p. 237.
- West, Harry H., Plymouth, Pa. Stocking and making same. No. 1,117,934; Nov. 17; Gaz. vol. 208; p. 939.
- West, Harry H., Plymouth, Pa. Circular-knitting machine. No. 1,117,935; Nov. 17; Gaz. vol. 208; p. 939.
- West, Harry H., Plymouth, Pa. Circular-knitting machine. No. 1,117,936; Nov. 17; Gaz. vol. 208; p. 939.
- West, Harry H., Plymouth, Pa. Circular-knitting machine. No. 1,117,937; Nov. 17; Gaz. vol. 208; p. 940.
- West, Harry H., Plymouth, Pa. Yarn-feeding mechanism for circular-knitting machines. No. 1,118,713; Nov. 24; Gaz. vol. 208; p. 1253.
- West, Harry H., Plymouth, Pa. Circular-knitting machine. No. 1,122,560; Dec. 29; Gaz. vol. 209; p. 1429.
- West, John A., Los Angeles, Cal. Dental crown-remover. No. 1,109,096; Sept. 1; Gaz. vol. 206; p. 84.
- West, John W., Braintree, Mass. Protector for tubethread. No. 1,114,660; Oct. 20; Gaz. vol. 207; p. 869.
- West, John W., East Braintree, Mass. Thread-protector. No. 1,120,004; Dec. 8; Gaz. vol. 209; p. 416.
- West, Lenner C., Sentinel, Okla. Medicated nest-egg. No. 1,119,557; Dec. 1; Gaz. vol. 209; p. 227.
- West, Louis G. M., Baltimore, Md. Lubricating apparatus. No. 1,086,255; Feb. 3; Gaz. vol. 199; p. 238.
- West, Samuel M. (See Ward, Ernest N. and F. J., assignors.)
- West, Thomas J., Makaweli, Hawaii. Cane-conveyer. No. 1,094,281; Apr. 21; Gaz. vol. 201; p. 806.
- West Virginia Malleable Iron Co. (See Woelfel, Ernest H., assignor.)
- West, William, Denver, Colo. Water-closet for railway-carriages. No. 1,112,507; Oct. 6; Gaz. vol. 207; p. 33.
- West, William, and L. C. Goff, Denver, Colo. Dispensing device. No. 1,105,732; Aug. 4; Gaz. vol. 205; p. 52.
- West, William C., Kansas City, Mo. Antiseptic drinking-fountain. No. 1,099,002; June 2; Gaz. vol. 203; p. 218.
- West, William F., Minneapolis, Minn. Car-wheel guard. No. 1,091,409; Mar. 24; Gaz. vol. 200; p. 1056.
- West, William T., Philadelphia, Pa. Golf-ball-marking device. No. 1,096,084; May 12; Gaz. vol. 202; p. 346.
- Westaway, Walter C., Belvidere, assignor to W. W. Lufkin, Beloit, Ill. Carburetor or the like. No. 1,089,516; Mar. 10; Gaz. vol. 200; p. 337.

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- Westberg, John E., El Campo, Tex. Guard for hand-planes. No. 1,085,651; Feb. 3; Gaz. vol. 199; p. 25.
- Westbrook, John A., assignor of one-half to J. A. Adkins, Brady, Tex. Packer for silos. No. 1,104,333; July 21; Gaz. vol. 204; p. 820.
- Westen, Charles. (See Cooper, Harry M., assignor.)
- Westendarp, Henry O., Lynn, Mass., assignor to General Electric Company. Hydrocarbon-engine. No. 1,107,636; Aug. 18; Gaz. vol. 205; p. 810.
- Westendarp, Henry O., Saugus, Mass., assignor to General Electric Company. Automatic starting mechanism for internal-combustion-engine generator sets. No. 1,112,244; Sept. 29; Gaz. vol. 206; p. 1349.
- Westendorp, Heinrich, Chemnitz, Germany. Shaving apparatus. No. 1,114,322; Oct. 20; Gaz. vol. 207; p. 751.
- Westenfelter, Charles W., Springfield, Ohio. Dentifrice. No. 1,112,180; Sept. 29; Gaz. vol. 206; p. 1326.
- Westenhiser, Oscar F., and W. P. Jones, St. Louis, Mo. Press. No. 1,098,699; June 2; Gaz. vol. 203; p. 118.
- Wester, Joseph A., West Frankfort, Ill. Miner's acetylene-lamp. No. 1,114,208; Oct. 20; Gaz. vol. 207; p. 711.
- Westerbeck, Frederick, St. Louis, Mo. Sheet-metal can. No. 1,083,574; Jan. 6; Gaz. vol. 198; p. 104.
- Westerbeck, Frederick, St. Louis, Mo. Sheet-metal box. No. 1,110,661; Sept. 15; Gaz. vol. 206; p. 722.
- Westerbeck, Frederick, St. Louis, Mo. Pocket savings-bank. No. 1,112,955; Oct. 6; Gaz. vol. 207; p. 190.
- Westerberg, George M., Chicago, Ill. Faucet and drinking-fount. No. 1,091,552; Mar. 31; Gaz. vol. 200; p. 1150.
- Westerberg, George M., Chicago, Ill. Cycle-pedal. No. 1,122,342; Dec. 29; Gaz. vol. 209; p. 1355.
- Westerberg, Peter G., New York, N. Y. Elevator-well-door operator and lock. No. 1,104,591; July 21; Gaz. vol. 204; p. 911.
- Westerfield, Granville G., Indianapolis, Ind. Pneumatic engine-starter. No. 1,108,291; Aug. 25; Gaz. vol. 205; p. 1087.
- Westerheide, Wilhelm, Dusseldorf, Germany. Device for finishing and particularly for remilling valve-seats and valve-cones. No. 1,085,832; Feb. 3; Gaz. vol. 199; p. 90.
- Westerlund, Victor, Portland, Oreg. Flue-thimble protector. No. 1,085,311; Jan. 27; Gaz. vol. 198; p. 783.
- Westerman, Frederick, Chicago, Ill. Depositing-machine. No. 1,121,430; Dec. 15; Gaz. vol. 209; p. 964.
- Westerman, Frederick, Chicago, Ill. Depositing-machine. No. 1,121,431; Dec. 15; Gaz. vol. 209; p. 964.
- Westerman, Frederick, Chicago, Ill. Depositing-machine. No. 1,121,432; Dec. 15; Gaz. vol. 209; p. 965.
- Westerman, Frederick, Chicago, Ill. Depositing-machine. No. 1,121,433; Dec. 15; Gaz. vol. 209; p. 965.
- Westerman, Frederick, Chicago, Ill. Depositing-machine. No. 1,121,434; Dec. 15; Gaz. vol. 209; p. 966.
- Western Clock Company. (See Kern, George, assignor.)
- Western Door Control Company. (See Mills, Edward N., assignor.)
- Western Electric Company. (See Adams, Arthur H., assignor.)
- Western Electric Company. (See Adams and Dixon, assignors.)
- Western Electric Company. (See Adams and Wallace, assignors.)
- Western Electric Company. (See Allen, Roy M., assignor.)
- Western Electric Company. (See Anderegg, Gustavus A., assignor.)
- Western Electric Company. (See Arnold, Harold D., assignor.)
- Western Electric Company. (See Beck, William O., assignor.)
- Western Electric Company. (See Binkley, William R., assignor.) (Reissue.)
- Western Electric Company. (See Boswau, Johannes P. C., assignor.)
- Western Electric Company. (See Bullard, Albert M., assignor.)
- Western Electric Company. (See Cahusac, Clarence N., assignor.)
- Western Electric Company. (See Casper, William L., assignor.)
- Western Electric Company. (See Colpitts, Edwin H., assignor.)
- Western Electric Company. (See Craft, Edward B., assignor.)
- Western Electric Company. (See Danielson, Oscar A., assignor.)
- Western Electric Company. (See De Vignier, Robert M., assignor.)
- Western Electric Company. (See Dixon, Amos F., assignor.)
- Western Electric Company. (See Dunham, Bert G., assignor.)
- Western Electric Company. (See Dyson, Alfred H., assignor.)
- Western Electric Company. (See Egerton, Henry C., assignor.)
- Western Electric Company. (See Field, Joseph C., assignor.)
- Western Electric Company. (See Forsberg, Oscar F., assignor.)
- Western Electric Company. (See Gilson, Albert F. F., assignor.)
- Western Electric Company. (See Glunt, Omer M., assignor.)
- Western Electric Company. (See Glunt and Mueller, assignors.)
- Western Electric Company. (See Graves, Charles C., assignor.)
- Western Electric Company. (See Hill, Ralph N., assignor.)
- Western Electric Company. (See Hinrichsen and Toomey, assignors.)
- Western Electric Company. (See Holmes and Harris, assignors.)
- Western Electric Company. (See Hosford, William F., assignor.)
- Western Electric Company. (See Juley, Joseph P., assignor.)
- Western Electric Company. (See Kinton, William G., assignor.)
- Western Electric Company. (See Kropp, John A., assignor.)
- Western Electric Company. (See Lattig and Goodrum, assignors.) (Reissue.)
- Western Electric Company. (See Leach, Winfield W., assignor.)
- Western Electric Company. (See Linder, Oscar, assignor.)
- Western Electric Company. (See Lundquist, Frank A., assignor.)
- Western Electric Company. (See Lyng, John J., assignor.)
- Western Electric Company. (See May, David T., assignor.)
- Western Electric Company. (See McBerty, Frank R., assignor.)
- Western Electric Company. (See McBerty and Adams, assignors.)
- Western Electric Company. (See McQuarrie, James L., assignor.)
- Western Electric Company. (See Miller, Daniel D., assignor.)
- Western Electric Company. (See Nash, George H., assignor.)
- Western Electric Company. (See Palmer and Pinkler, assignors.)
- Western Electric Company. (See Pruessman, Albert, assignor.)
- Western Electric Company. (See Rainey, Paul M., assignor.)
- Western Electric Company. (See Reeves, Frank N., assignor.)
- Western Electric Company. (See Reeves and Lundell, assignors.)
- Western Electric Company. (See Reynolds, John N., assignor.)
- Western Electric Company. (See Reynolds and Hill, assignors.)
- Western Electric Company. (See Richards, Wilton L., assignor.)
- Western Electric Company. (See Roberts, John G., assignor.)
- Western Electric Company. (See Scribner, Charles E., assignor.)
- Western Electric Company. (See Scribner and McBerty, assignors.)
- Western Electric Company. (See Shreeve, Herbert E., assignor.)
- Western Electric Company. (See Smith, William F., assignor.)
- Western Electric Company. (See Stoll, Clarence G., assignor.)
- Western Electric Company. (See Swope, Gerard, assignor.)
- Western Electric Company. (See Tromp, Gerard P., assignor.)
- Western Electric Company. (See Wallace, John N., assignor.)
- Western Electric Company. (See Wier, Harry B., assignor.)
- Western Electric Company. (See Williams, Samuel B., assignor.)
- Western Electric Company. (See Williams, Samuel B., Jr., assignor.)
- Western Electric Company. (See Winans, Milton E., assignor.)
- Western Electric Company. (See Wotton, James A., assignor.)
- Western Electric Company. (See Zwilling, Joseph, assignor.)
- Western Engineering Co. (See Young, Willis G., assignor.)
- Western Gas Construction Company, The. (See Stone, Thomas W., assignor.)
- Western Machine Manufacturing Company. (See Holm, Peter J., assignor.)
- Western Novelty and Manufacturing Company. (See De Witt, Frank W., assignor.)
- Western Shade Cloth Company, The. (See Regnery and Kempner, assignors.)
- Western Union Telegraph Company, The. (See D'Humy, Fernand E., assignor.)

Alphabetical list of patentees—Continued.

- Western Union Telegraph Company, The. (See Murray, Donald, assignor.)
- Western Wheeled Scraper Company. (See Rhodes, Jay B., assignor.)
- Western Wire Products Company. (See Young, Ira J., assignor.)
- Westfall, Ada L., Tampa, Fla. Catamenial sack. No. 1,100,108; June 16; Gaz. vol. 203; p. 677.
- Westfall, Walter E., Maryville, Mo. Silencer construction for firearms. No. 1,111,202; Sept. 22; Gaz. vol. 206; p. 953.
- Westin, Louis A., Cumberland, Wis. Overload uncoupling coupling. No. 1,091,449; Mar. 24; Gaz. vol. 200; p. 1069.
- Westinghouse Air Brake Company. (See Austin, Walter M., assignor.)
- Westinghouse Air Brake Company, The. (See Burton, Thomas L., assignor.)
- Westinghouse Air Brake Company, The. (See Clark, Francis L., assignor.)
- Westinghouse Air Brake Company, The. (See Conrad, Hugh V., assignor.)
- Westinghouse Air Brake Company, The. (See Corrington, Murray, assignor.)
- Westinghouse Air Brake Company. (See Crittenden, Philip L., assignor.)
- Westinghouse Air Brake Company, The. (See Dewson, Edward H., assignor.)
- Westinghouse Air Brake Company, The. (See Dewson and Turner, assignors.)
- Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
- Westinghouse Air Brake Company, The. (See Doyle, James S., assignor.)
- Westinghouse Air Brake Company, The. (See England, Alexander, assignor.)
- Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
- Westinghouse Air Brake Company, The. (See Farmer, Fred B., assignor.)
- Westinghouse Air Brake Company, The. (See Hedendahl, Theodore A., assignor.)
- Westinghouse Air Brake Company, The. (See Miller, John F., assignor.)
- Westinghouse Air Brake Company, The. (See Murphy, Howard M. P., assignor.)
- Westinghouse Air Brake Company, The. (See Swartzwelder, Richard C., assignor.)
- Westinghouse Air Brake Company, The. (See Turner, Walter V., assignor.)
- Westinghouse Air Brake Company, The. (See Westinghouse, George, assignor.)
- Westinghouse Air Brake Company, The. (See Westinghouse, Henry H., assignor.)
- Westinghouse Air Brake Company, The. (See Woernley, Harry F., assignor.)
- Westinghouse Air Spring Company, The. (See Liebau, Richard, assignor.)
- Westinghouse Air Spring Company, The. (See Westinghouse, George, assignor.)
- Westinghouse Automatic Air & Steam Coupler Company. (See Davis, Edward W., assignor.)
- Westinghouse, Church, Kerr & Company. (See Gilmore, Thomas N., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Abtmeyer, Theodore, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Beach, Howard L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Boggs, Lemuel S., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Brown, Harold W., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Conrad, Frank, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Coyne, Stephen H., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Davis, Joseph L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Dearborn, Richard J., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Fortescue, Charles L., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Frost, Leslie E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Hadaway, William S., Jr., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Haefely, Emil, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Hamilton, George W., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Harris, Ford W., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hiatt, Cassius E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Hoock, Theodore, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Jackson, Ray P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See James, Henry D., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Kingsbury, Albert, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Krauskopf, George H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kunkel, Fred R., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Lamme, Benjamin G., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Lilley, Charles E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See MacDonald, Howard G., assignor.)
- Westinghouse Electric and Manufacturing Company. (See MacGahan, Paul, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Mahoney, Joseph N., assignor.) (Reissue.)
- Westinghouse Electric and Manufacturing Company. (See Mattman, Emil, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Miller, Henry, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Miller and Mueller, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Mills, Chester B., assignor.)
- Westinghouse Electric and Manufacturing Company. (See North, Gilbert, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Peck, John S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Perkins, Thomas S., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Perkins and Rose, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Phillips, Thomas, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Randall, Karl C., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Rapp, Leo, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Reynders, Arthur B., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Rose, Edward E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Rypinski, Maurice C., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Sakai, Yasudiro, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Schaae, William, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Scheibe, Harold M., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Starker, Charles W., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Steen, Halfdan A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Storer, Norman W., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Tarkington, Clarence G., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Varney, Theodore, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Walker, Miles, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Webster, John E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Westinghouse, George, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Wunderlich, Frederick, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Zuck, Emerson S., assignor.)
- Westinghouse Electric & Mfg. Co. (See Davis, Joseph L., assignor.) (Reissue.)
- Westinghouse Gear and Dynamometer Company. (See Westinghouse, George, assignor.)
- Westinghouse, George. (See Kando, Coloman de, assignor.)
- Westinghouse, George. (See Potter, Henry N., assignor.)
- Westinghouse, George, Pittsburgh, Pa., assignor to The Westinghouse Gear and Dynamometer Company. Transmission-gearing. No. 1,088,387; Feb. 24; Gaz. vol. 199; p. 1117.
- Westinghouse, George, Pittsburgh, Pa., assignor to The Westinghouse Air Spring Company. Fluid-pressure device. No. 1,089,517; Mar. 10; Gaz. vol. 200; p. 337.
- Westinghouse, George, Pittsburgh, Pa., assignor to The Westinghouse Air Spring Company. Fluid-pressure device. No. 1,104,945; July 28; Gaz. vol. 204; p. 1081.
- Westinghouse, George, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Draft-gear. No. 1,120,005; Dec. 8; Gaz. vol. 209; p. 416.
- Westinghouse, George, deceased; H. H. Westinghouse, C. A. Terry, and W. D. Uptegraff, executors, assignors to Westinghouse Electric and Manufacturing Company, Pittsburgh, Pa. Electric railway. No. 1,119,913; Dec. 8; Gaz. vol. 209; p. 383.
- Westinghouse, H. H. (See Davis, Isaac H., assignor.)

Alphabetical list of patentees—Continued.

- Westinghouse, Henry H. (See Goodspeed, Leland F., assignor.)
- Westinghouse, Henry H., *et al.*, executors. (See Potter, Henry N.)
- Westinghouse, Henry H., *et al.*, executors. (See Westinghouse, George.)
- Westinghouse, Henry H., New York, N. Y., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Combined car and pipe coupling. No. 1,106,431; Aug. 11; Gaz. vol. 205; p. 335.
- Westinghouse, Henry H., New York, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Steam-pump. No. 1,109,157; Sept. 1; Gaz. vol. 206; p. 106.
- Westinghouse Lamp Company. (See Henderson, Robert H., assignor.)
- Westinghouse Lamp Company. (See Houskeeper, William G., assignor.)
- Westinghouse Lamp Company. (See Houskeeper and Dunning, assignors.)
- Westinghouse Lamp Company. (See Knight, Arthur S., assignor.)
- Westinghouse Lamp Company. (See Lambert, Edna, assignor.)
- Westinghouse Lamp Company. (See Lederer, Anton, assignor.)
- Westinghouse Lamp Company. (See Madden and Houskeeper, assignors.)
- Westinghouse Lamp Company. (See Scholl, George P., assignor.)
- Westinghouse Lamp Company. (See Sweet, Arthur J., assignor.)
- Westinghouse Machine Company, The. (See Ehrhart, Raymond N., assignor.)
- Westinghouse Machine Company, The. (See Green, Jonathan S., assignor.)
- Westinghouse Machine Company, The. (See Schmidt, Henry F., assignor.)
- Westlake, Albert. (See Bradley, Josiah, assignor.)
- Westlake, Albert, New York, N. Y. Manufacturing and applying fibrous caps for bottles and other containers. No. 1,114,323; Oct. 20; Gaz. vol. 207; p. 751.
- Westlake, Albert, New York, N. Y. Bottle. No. 1,116,523; Nov. 10; Gaz. vol. 208; p. 403.
- Westlake, Charles T. (See Johnson and Westlake.)
- Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Separable body-bolster. No. 1,089,450; Mar. 10; Gaz. vol. 200; p. 313.
- Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Six-wheel-car-truck brake. No. 1,107,637; Aug. 18; Gaz. vol. 205; p. 811.
- Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Six-wheel-car-truck brake. No. 1,107,638; Aug. 18; Gaz. vol. 205; p. 811.
- Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Six-wheel-car-truck brake. No. 1,107,639; Aug. 18; Gaz. vol. 205; p. 812.
- Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Separable body-bolster. No. 1,114,209; Oct. 20; Gaz. vol. 207; p. 712.
- Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Locomotive tender and cab construction. No. 1,120,873; Dec. 15; Gaz. vol. 209; p. 771.
- Westlake, Charles T., assignor to Double Body Bolster Company, St. Louis, Mo. Center-bolster for six-wheel car-trucks. No. 1,102,620; July 7; Gaz. vol. 204; p. 141.
- Westlake, Charles T., and C. F. Frede, assignors to Double Body Bolster Company, St. Louis, Mo. Buffing mechanism for car-platforms. No. 1,086,573; Feb. 10; Gaz. vol. 199; p. 393.
- Westlake, Frank H., A. Huck, Milwaukee, Wis., and J. L. Isaacs, Chicago, Ill., assignors to Milwaukee Chair Company, Chicago, Ill. Swivel-chair iron. No. 1,114,418; Oct. 20; Gaz. vol. 207; p. 786.
- Westlin, Carl T. (See Brown and Westlin.)
- Westling, Leonard L., Pittsburgh, Pa. Device for use in filling ice-cream paper cartons. No. 1,088,498; Feb. 24; Gaz. vol. 199; p. 1153.
- Westminster Deposit & Trust Company. (See Leister and Schaeffer, assignors.)
- Westmoreland Automatic Machine Company. (See Grafton, George B., assignor.)
- Westmoreland, Edwin T. (See Darby, Phillips, and Westmoreland.)
- Westmoreland, Jefferson, Randolph, Miss. Cultivator. No. 1,088,757; Mar. 3; Gaz. vol. 200; p. 29.
- Westness, Louis J., Milwaukee, Wis. Combined fish rod and reel. No. 1,111,340; Sept. 22; Gaz. vol. 206; p. 999.
- Westney, John S., *et al.* (See Pierce, Joseph, assignor.)
- Weston, Clarence B. (See King, Weston, Roush, and Russell.)
- Weston & Co. *et al.* (See Dymond, John, assignor.)
- Weston, Edward B., Dayton, Ohio. Knockdown table. No. 1,097,697; May 26; Gaz. vol. 202; p. 989.
- Weston, Folke W., New York, assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y. Plate-holding device. No. 1,108,646; Aug. 25; Gaz. vol. 205; p. 1209.
- Weston, Francis J., assignor of one-half to B. L. Gabriel, Binghamton, N. Y. Package. No. 1,089,889; Mar. 10; Gaz. vol. 200; p. 464.
- Weston, George G., St. Louis, Mo. Locomotive-fireman's coal-shoveling recorder. No. 1,092,466; Apr. 7; Gaz. vol. 201; p. 119.
- Weston, Herbert T., Cleveland, Ohio. Apparatus for treating fluids. No. 1,094,618; Apr. 28; Gaz. vol. 201; p. 982.
- Weston, James H. (See Wilmot and Weston.)
- Weston, John R., Dubuque, Iowa. Hitching-post. No. 1,093,089; Apr. 14; Gaz. vol. 201; p. 366.
- Weston, Philip, Dalton, Mass. Making paper. (Reissue.) No. 13,730; May 12; Gaz. vol. 202; p. 600.
- Weston, Shipley & Weston. (See Shipley, Arthur H., assignor.)
- Weston, Thomas I., Columbia, S. C. Septic tank for sewage disposal. No. 1,120,351; Dec. 8; Gaz. vol. 209; p. 539.
- Weston, William S., Chicago, Ill. Anticreeper for railway-rails. No. 1,120,258; Dec. 8; Gaz. vol. 209; p. 505.
- Westover, Henry J., New York, N. Y. Apparatus for automatic gas analysis. No. 1,111,815; Sept. 29; Gaz. vol. 206; p. 1202.
- Westphal, William, Los Angeles, Cal. Davenport wall-bed. No. 1,121,543; Dec. 15; Gaz. vol. 209; p. 1003.
- Westphall, Charles J. (See Skiff and Westphall.)
- Westphall, Charles J., Portland, Oreg., and J. B. Skiff, Clinton, Iowa. Fence-post. No. 1,108,535; Aug. 25; Gaz. vol. 205; p. 1172.
- Westrell, Sture R. D. (See Aronson, Gustaf A. E., assignor.)
- Wet-Carbonizing Limited. (See Testrup, Nils, assignor.)
- Wetcarbonizing Limited. (See Rigby, Thomas, assignor.)
- Wetcarbonizing Limited. (See Rigby and Andrew, assignors.)
- Wetcarbonizing Limited. (See Rigby and Testrup, assignors.)
- Wetcarbonizing Limited. (See Testrup and Rigby, assignors.)
- Wetcarbonizing Limited. (See Testrup and Söderlund, assignors.)
- Wetcke, Johann M., Duisburg, Germany. Rolling-mill for sheet metal. No. 1,106,172; Aug. 4; Gaz. vol. 205; p. 205.
- Wetherell, Ellen F., *et al.* (See Raes, Joseph, assignor.)
- Wetmore, Charles P., Milwaukee, Wis. Mold units and mold for concrete work. No. 1,121,056; Dec. 15; Gaz. vol. 209; p. 835.
- Wetmore, Earl P., Toledo, Ohio. Feeding apparatus for bottle-caps, &c. No. 1,086,429; Feb. 10; Gaz. vol. 199; p. 341.
- Wetmore, Earl P., Toledo, Ohio. Labeling-machine. No. 1,102,832; July 7; Gaz. vol. 204; p. 214.
- Wetmore, Willard C., Upper Montclair, N. J. Hat-covering. No. 1,083,344; Jan. 6; Gaz. vol. 198; p. 28.
- Wettengel, Charles A., St. Louis, Mo. Retort-press. No. 1,112,103; Sept. 29; Gaz. vol. 206; p. 1299.
- Wetter, Ralph E., Dallas, Tex. Automatic service-switch. No. 1,092,415; Apr. 7; Gaz. vol. 201; p. 100.
- Wettervik, Axel, assignor of one-half to G. Lindahl, Iron River, Mich. Snow and ice melting machine. No. 1,111,628; Sept. 22; Gaz. vol. 206; p. 1099.
- Wettlaufer, John L., Toronto, Ontario, Canada. Concrete-mixing machine. No. 1,109,097; Sept. 1; Gaz. vol. 206; p. 85.
- Wettlin, Gustave A., *et al.* (See Morris, John W. T., assignor.)
- Wettstein, Jacob, Greifensee, Switzerland. Circular saw-blade. No. 1,083,645; Jan. 6; Gaz. vol. 198; p. 128.
- Wetzel, Otto, Heidelberg, Germany. Automatic lubricator. No. 1,121,958; Dec. 22; Gaz. vol. 209; p. 1185.
- Wetzel, Rheem E., Moweaqua, Ill. Starting mechanism for explosive-engines. No. 1,087,857; Feb. 17; Gaz. vol. 199; p. 887.
- Wetzel, Rheem E., Moweaqua, Ill. Explosive-engine. No. 1,116,774; Nov. 10; Gaz. vol. 208; p. 494.
- Wetzel, William E., Parkersburg, W. Va. Well-drilling bit. No. 1,121,573; Dec. 15; Gaz. vol. 209; p. 1014.
- Wevat, Carl G., Bordentown, N. J. Indicating device. No. 1,099,106; June 2; Gaz. vol. 203; p. 250.
- Wever, Fritz, Stuttgart, Germany. Coin-issuing apparatus. No. 1,115,882; Nov. 3; Gaz. vol. 208; p. 141.
- Wewerka, Hans, Teplitz-Turn, Austria-Hungary. Producing hollow bodies from concrete or clay by centrifugal action. No. 1,117,466; Nov. 17; Gaz. vol. 208; p. 777.
- Wexler, Benjamin, Brooklyn, assignor to The Peelle Company, New York, N. Y. Latch for elevator-doors. No. 1,089,451; Mar. 10; Gaz. vol. 200; p. 313.
- Wey, William G., Barborton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Treating match-splints. No. 1,098,700; June 2; Gaz. vol. 203; p. 118.
- Weyand, Lawrence C., Chicago, Ill., assignor to Battenberg Car Seal and Equipment Co. Seal-lock. No. 1,115,756; Nov. 3; Gaz. vol. 208; p. 98.
- Weyandt, Andrew E., *et al.* (See Getschow, William C., assignor.)
- Weyandt, John H., *et al.* (See Getschow, William C., assignor.)

Alphabetical list of patentees—Continued.

- Weyburn, Arthur C., and G. H. Lippman, Atlanta, Ga. Necktie attachment. No. 1,122,180; Dec. 22; Gaz. vol. 209; p. 1261.
- Weyermann, Rudolf, Bamberg, Germany. Removing the bitter taste from malt extracts. No. 1,105,119; July 28; Gaz. vol. 204; p. 1141.
- Weyers, Alois W. F., New Westminster, British Columbia, Canada. Double-stair-grate continuous kiln. No. 1,102,970; July 7; Gaz. vol. 204; p. 258.
- Weyman-Bruton Company. (See Thom, James C., assignor.)
- Weymann, Peter, and G. Gillitzer, Spring Hill, Minn. Corn-planter. No. 1,097,574; May 19; Gaz. vol. 202; p. 901.
- Weymouth, Thomas R., Oil City, Pa. Apparatus for indicating and recording the flow of fluids. No. 1,085,184; Jan. 27; Gaz. vol. 198; p. 738.
- Whaland, Charles W., Chestertown, Md. Spring-wheel. No. 1,099,728; June 9; Gaz. vol. 203; p. 509.
- Whalen, Michael H., New York, N. Y. Bottle. No. 1,093,959; Apr. 21; Gaz. vol. 201; p. 700.
- Whalen, William A., assignor of one-half to J. A. Ostendorf, Baltimore, Md. Bread-pan. No. 1,105,584; July 28; Gaz. vol. 204; p. 1305.
- Whaley, John H. (See Snow, Kidd, and Whaley.)
- Whalton, Hilary F., Key West, Fla. Spark-plug. No. 1,116,655; Nov. 10; Gaz. vol. 208; p. 453.
- Wharmby, James. (See Corliss and Wharmby.)
- Wharrad Engineering Company Limited. (See Wharrad, Lionel A., assignor.)
- Wharrad, Lionel A., assignor to Wharrad Engineering Company Limited, Redditch, England. Manufacture of fish-hooks, needles, and other articles. No. 1,098,198; May 26; Gaz. vol. 202; p. 1165.
- Wharrad, Lionel A., assignor to Wharrad Engineering Company Limited, Redditch, England. Skate. No. 1,098,199; May 26; Gaz. vol. 202; p. 1166.
- Wheary, George H., Racine, Wis. Hanger-fixture for trunks. No. 1,093,224; Apr. 14; Gaz. vol. 201; p. 412.
- Wheary, George H., Racine, Wis. Wardrobe-trunk. No. 1,093,225; Apr. 14; Gaz. vol. 201; p. 413.
- Wheary, George H., Racine, Wis. Inside pad for trunks. No. 1,093,226; Apr. 14; Gaz. vol. 201; p. 413.
- Wheary, George H., Racine, Wis. Trunk-fitting. No. 1,118,982; Dec. 1; Gaz. vol. 209; p. 27.
- Wheary, George H., Racine, Wis. Trunk-hinge fixture. No. 1,118,983; Dec. 1; Gaz. vol. 209; p. 28.
- Wheary, George H., Racine, Wis., assignor to Hartmann Trunk Company. Clothes-retainer. No. 1,093,222; Apr. 14; Gaz. vol. 201; p. 411.
- Wheary, George H., assignor to The Hartmann Trunk Company, Racine, Wis. Trunk. No. 1,093,223; Apr. 14; Gaz. vol. 201; p. 412.
- Wheary, George H., assignor to The Hartmann Trunk Company, Racine, Wis. Wardrobe-trunk. (Reissue.) No. 1,3792; Aug. 25; Gaz. vol. 205; p. 1291.
- Wheary, George H., assignor to The Hartmann Trunk Company, Racine, Wis. Trunk. No. 1,119,133; Dec. 1; Gaz. vol. 209; p. 82.
- Wheary, George H., assignor to The Hartmann Trunk Company, Racine, Wis. Wardrobe-trunk. No. 1,122,451; Dec. 29; Gaz. vol. 209; p. 1392.
- Wheatley, Leander D., assignor of one-half to F. A. Jonas, Waitsburg, Wash. Identification or marking tag. No. 1,111,629; Sept. 22; Gaz. vol. 206; p. 1099.
- Wheatley, Samuel, and C. B. Larmon, Kansas City, Mo., assignors, by mesne assignments, to Victor Acetylene Supply Company. Sparking device. No. 1,088,388; Feb. 24; Gaz. vol. 199; p. 1117.
- Wheaton, Harold J., Spondon, near Derby, England. Means for softening water. No. 1,100,803; June 23; Gaz. vol. 203; p. 969.
- Whedon, Charles W., Medina, N. Y. Gutter-hanger. No. 1,105,390; July 28; Gaz. vol. 204; p. 1239.
- Wheeldon, Harry P. (See Price and Wheeldon.)
- Wheeler, Clarence W., Chicago, Ill. Controller for elevators. No. 1,112,745; Oct. 6; Gaz. vol. 207; p. 119.
- Wheeler Condenser and Engineering Company. (See Christie, Evi W., assignor.)
- Wheeling Corrugating Company. (See Abbott, William H., assignor.)
- Wheeler, Eben S., Detroit, Mich. Shoal-indicator. No. 1,122,343; Dec. 29; Gaz. vol. 209; p. 1356.
- Wheeler, Enoch S., Moline, Ill. Cooking utensil. No. 1,093,227; Apr. 14; Gaz. vol. 201; p. 414.
- Wheeler, Frank H. (See Schebler, George M., assignor.)
- Wheeler, Gardner E., assignor to The English & Mersick Company, New Haven, Conn. Automobile-radiator. No. 1,087,899; Feb. 17; Gaz. vol. 199; p. 901.
- Wheeler, Gardner E., assignor to The English & Mersick Company, New Haven, Conn. Radiator unit. No. 1,098,774; June 2; Gaz. vol. 203; p. 142.
- Wheeler, George E., assignor to The Burlington Separator Co., Burlington, Iowa. Butter-separator. No. 1,093,751; Apr. 21; Gaz. vol. 201; p. 630.
- Wheeler, Harry A., et al. (See Fox, Lloyd L., assignor.)
- Wheeler, Jerome S., Guelph, Ontario, Canada. Electrical conduit. No. 1,088,311; Feb. 24; Gaz. vol. 199; p. 1092.
- Wheeler, John H., assignor to The Marlin Firearms Company, New Haven, Conn. Safety device for repeating firearms. No. 1,088,950; Mar. 3; Gaz. vol. 200; p. 96.
- Wheeler, John H., assignor to The Marlin Firearms Company, New Haven, Conn. Repeating firearm. No. 1,089,736; Mar. 10; Gaz. vol. 200; p. 412.
- Wheeler, John H., and F. Mangier, assignors to The Marlin Firearms Company, New Haven, Conn. Take-down firearm. No. 1,092,085; Mar. 31; Gaz. vol. 200; p. 1332.
- Wheeler, John L., Napa, Cal. Vehicle speed indicator and controller. No. 1,122,181; Dec. 22; Gaz. vol. 209; p. 1261.
- Wheeler, Joseph L., assignor of one-half to T. E. Jones, Orth, Tex. Rail-chair. No. 1,101,722; June 30; Gaz. vol. 203; p. 1337.
- Wheeler, Morris J., assignor of one-half to F. B. Foster, Peterboro, N. H. Box. No. 1,117,733; Nov. 17; Gaz. vol. 208; p. 872.
- Wheeler, Morris J., and F. B. Foster, Peterboro, N. H. Basket. No. 1,090,000; Mar. 10; Gaz. vol. 200; p. 503.
- Wheeler, Perry O., Youngstown, Ohio. Step. No. 1,103,719; July 14; Gaz. vol. 204; p. 569.
- Wheeler Reflector Company. (See Robbins, Marshall F., Jr., assignor.)
- Wheeler, Samuel H., Fairfield, Conn. Ventilator. No. 1,102,833; July 7; Gaz. vol. 204; p. 214.
- Wheeler, Seth, Albany, N. Y. Paper-package. No. 1,088,389; Feb. 24; Gaz. vol. 199; p. 1118.
- Wheeler, Seth, Albany, N. Y. Paper-package. No. 1,092,193; Apr. 7; Gaz. vol. 201; p. 24.
- Wheeler, Seth, Castleton, N. Y. Paper-roll and holder. No. 1,098,861; June 2; Gaz. vol. 203; p. 171.
- Wheeler, Seth, Castleton, N. Y. Paper-roll. No. 1,098,862; June 2; Gaz. vol. 203; p. 171.
- Wheeler, Seth, Castleton, N. Y. Holder for paper-rolls. No. 1,098,863; June 2; Gaz. vol. 203; p. 171.
- Wheeler, Seth, Castleton, N. Y. Paper-holder. No. 1,098,864; June 2; Gaz. vol. 203; p. 172.
- Wheeler, Webster B., Washington, D. C. Coin or check controlled apparatus. No. 1,093,511; Apr. 14; Gaz. vol. 201; p. 506.
- Wheeler, William I., Scottville, Ill. Hydraulic transmission device. No. 1,099,412; June 9; Gaz. vol. 203; p. 401.
- Wheeling Corrugating Company. (See Day and Hunker, assignors.)
- Wheeling Gum Company. (See Laws, McElwain, and Laird, assignors.)
- Wheeling, Herbert A., Carthage, Mo. Tire. No. 1,104,158; July 21; Gaz. vol. 204; p. 759.
- Wheeling, Herbert A., Carthage, Mo. Spring-wheel. No. 1,110,849; Sept. 15; Gaz. vol. 206; p. 786.
- Wheeling Stamping Company. (See Edwards, Alonzo L., assignor.)
- Wheeling Stamping Company. (See McGinnis, John A., assignor.)
- Wheeling Stamping Company. (See Paull, Archibald W., assignor.)
- Wheeling Steel Casting Company. (See Robinson, Charles G., assignor.)
- Wheelock, Carl M., Milwaukee, Wis., assignor to The T. W. Manufacturing Company. Bushing for electric tubular insulation. No. 1,098,775; June 2; Gaz. vol. 203; p. 142.
- Wheelock, Fred A., Madison, Ohio. Brush-drum for cultivators and weeder. No. 1,084,987; Jan. 20; Gaz. vol. 198; p. 634.
- Wheelock, Herbert K., Akron, Ohio. Rim for vehicle-wheels. No. 1,084,050; Jan. 13; Gaz. vol. 198; p. 293.
- Wheelock, John H. (See Waite and Wheelock.)
- Wheelwright, John, Ogden, Utah. Trenching and grading machine. No. 1,090,770; Mar. 17; Gaz. vol. 200; p. 808.
- Whelan, Michael J., Muskegon, Mich., assignor to Brunswick-Balke-Collender Co. Billiard-cushion. No. 1,084,916; Jan. 20; Gaz. vol. 198; p. 610.
- Whelan, Michael J., Muskegon, Mich., assignor to Brunswick-Balke-Collender Co. Bowling-pin. No. 1,088,312; Feb. 24; Gaz. vol. 199; p. 1092.
- Whelan, Patrick J., Douglas, Ontario, Canada. Cork extractor and fastener. No. 1,112,875; Oct. 6; Gaz. vol. 207; p. 162.
- Whidden, Austin C., Lancaster, Cal. Resilient wheel. No. 1,111,280; Sept. 22; Gaz. vol. 206; p. 980.
- Whidden, Austin C., Lancaster, Cal. Resilient wheel. No. 1,111,281; Sept. 22; Gaz. vol. 206; p. 980.
- Whigham, William, assignor to The Shenango Manufacturing Company, Pittsburgh, Pa. Storage tank or container. No. 1,118,714; Nov. 24; Gaz. vol. 208; p. 1254.
- Whipp, John W., Decatur, Tex. Antifreezing outlet-valve for tanks. No. 1,095,758; May 5; Gaz. vol. 202; p. 200.
- Whipple, Benjamin H., Forest City, Mo. Attachment for disk furrow-cultivators. No. 1,094,504; Apr. 28; Gaz. vol. 201; p. 943.
- Whipple, Clyde S., assignor, by mesne assignments, to A. H. Heisey & Co., Newark, Ohio. Can. No. 1,084,306; Jan. 13; Gaz. vol. 198; p. 379.
- Whipps, James, Carlisle, Ind. Harrow-tooth. No. 1,109,493; Sept. 1; Gaz. vol. 206; p. 224.
- Whipps, Ralph. (See Carmichael and Whipps.)
- Whisenant, Marvin B., Hollis, Okla. Bottle. No. 1,098,653; June 2; Gaz. vol. 203; p. 101.
- Whisler, Chauncy P. (See Sanderson and Whisler.)

Alphabetical list of patentees—Continued.

- Whistler, David B., assignor to The Recording and Computing Machines Company, Dayton, Ohio. Fare-indicator. No. 1,100,041; June 16; Gaz. vol. 203; p. 653.
- Whitacre, James E., Rockford, Ill. Pencil-sharpener. No. 1,095,612; May 5; Gaz. vol. 202; p. 150.
- Whitaker, Chester L., Mount Vernon, assignor to Munson-Whitaker Company, New York, N. Y. Composition for tree surgery. No. 1,085,652; Feb. 3; Gaz. vol. 199; p. 25.
- Whitaker, Henry E., and J. M. MacDonald, assignors to Parke, Davis & Company, Detroit, Mich. Apparatus for forming medicinal tablets. No. 1,102,374; July 7; Gaz. vol. 204; p. 52.
- Whitaker, John R., Kimball, Nebr. Overshoe-retainer. No. 1,110,362; Sept. 15; Gaz. vol. 206; p. 615.
- Whitaker, Milton C. (See Pritchard and Whitaker.)
- Whitaker, Milton C., New York, N. Y. Distillation. No. 1,110,850; Sept. 15; Gaz. vol. 206; p. 787.
- Whitaker, Richard, assignor, by mesne assignments, to The Emergency Horseshoe Company, New Brunswick, N. J. Overshoe for horses. No. 1,083,968; Jan. 13; Gaz. vol. 198; p. 263.
- Whitaker, Richard, assignor to The Emergency Horseshoe Company, New Brunswick, N. J. Overshoe for horses. No. 1,085,312; Jan. 27; Gaz. vol. 198; p. 784.
- Whitaker, Samuel T., assignor of one-third to T. W. Bates and one-third to E. B. Reed, Columbus, Ga. Combination trunk and sample-case. No. 1,110,020; Sept. 8; Gaz. vol. 206; p. 452.
- Whitaker, Than. (See Henderson, James C., assignor.)
- Whitall Tatum Company. (See Tatum, Charles H., assignor.)
- Whitcher, Frank W., and C. F. Randall, Boston, Mass., assignors to United Shoe Machinery Company, Paterson, N. J. Protector for heels and soles of boots and shoes. No. 1,098,142; May 26; Gaz. vol. 202; p. 1146.
- Whitcher, John W., Boston, Mass. Belt-clamp. No. 1,115,993; Nov. 3; Gaz. vol. 208; p. 180.
- Whitcher, Lyman P., Providence, R. I. Sign-bracket for automobiles. No. 1,091,553; Mar. 31; Gaz. vol. 200; p. 1150.
- Whitcomb, Alonzo W., Worcester, Mass. Metal-planer. No. 1,088,001; Feb. 24; Gaz. vol. 199; p. 985.
- Whitcomb, Alonzo W., Worcester, Mass. Metal-planer. No. 1,103,457; July 14; Gaz. vol. 204; p. 474.
- Whitcomb, Chester P., Somerville, Mass., and J. G. Godfrey, Steuben, Me.; said Whitcomb assignor to said Godfrey. Metal weather-strip. No. 1,104,334; July 21; Gaz. vol. 204; p. 820.
- Whitcomb, George B., Foster, Oreg. Furnace. No. 1,097,698; May 26; Gaz. vol. 202; p. 989.
- Whitcomb, Harris M., Albany, Wis. Shop-door latch. No. 1,120,874; Dec. 15; Gaz. vol. 209; p. 771.
- Whitcomb, James, Hillsdale, assignor of one-half to C. F. Kapp, Manchester, Mich. Speedometer. No. 1,091,410; Mar. 24; Gaz. vol. 200; p. 1057.
- Whitcomb, James, assignor of one-fourth to E. V. Garlough and one-fourth to W. F. Stevenson, Hillsdale, Mich. Joint-packing composition. No. 1,083,419; Jan. 6; Gaz. vol. 198; p. 54.
- Whitcomb, John M., Redwood Falls, Minn. Device for sharpening band-cutting knives. No. 1,104,592; July 21; Gaz. vol. 204; p. 911.
- Whitcomb, John M., Redwood Falls, Minn. Band-knife. No. 1,107,004; Aug. 11; Gaz. vol. 205; p. 538.
- Whitcomb, Ralph N., New York, N. Y. Flying-machine. No. 1,109,889; Sept. 8; Gaz. vol. 206; p. 406.
- Whitcomb, Russell, Elizabeth, N. J. Suspending device. No. 1,112,581; Oct. 6; Gaz. vol. 207; p. 61.
- Whitcomb, William A., Millinocket, Me. Barking-mill. No. 1,120,636; Dec. 8; Gaz. vol. 209; p. 640.
- White Adding Machine Company, The. (See Carroll, Fred M., assignor.)
- White Adding Machine Company. (See Wales, Charles, assignor.)
- White, Albert S. (See Breeden, Henry, assignor.)
- White, Alfred S. (See Greenwood, Conrad V., assignor.)
- White, Alphonzo, Worcester, Mass., assignor to Norton Grinding Company. Device for shaping grinding-wheels. No. 1,112,104; Sept. 29; Gaz. vol. 206; p. 1299.
- White, Arthur M., assignor to S. R. White's Sons, Norfolk, Va. Plow. No. 1,094,282; Apr. 21; Gaz. vol. 201; p. 806.
- White, Barclay, Lansdowne, Pa. Supporting, spacing, and reinforcing means for concrete construction. No. 1,108,647; Aug. 25; Gaz. vol. 205; p. 1210.
- White, Brown, Fort Worth, Tex. Lid-mover for ice-boxes, refrigerators, and the like. No. 1,109,723; Sept. 8; Gaz. vol. 206; p. 348.
- White, Burton E., Three Bridges, N. J., assignor to The Wolf Company, Chambersburg, Pa. Sifter and bolter. No. 1,099,833; June 9; Gaz. vol. 203; p. 543.
- White, Burton L., and C. W. Curle, San Francisco, Cal., assignors to Mergenthaler Linotype Company. Typographical machine. No. 1,115,137; Oct. 27; Gaz. vol. 207; p. 1092.
- White, C. A., *et al.* (See Beaird, William F., assignor.)
- White, Calvin N., Maricopa, Cal. Electromagnetic fishing-tool. No. 1,094,106; Apr. 21; Gaz. vol. 201; p. 749.
- White, Carl H., Greenfield, Mass. Railway-tie. No. 1,088,802; Mar. 3; Gaz. vol. 200; p. 44.
- White, Carter, London, England. Electrolytic process and apparatus. No. 1,096,085; May 12; Gaz. vol. 202; p. 346.
- White, Charles, Baltimore, Md. Apparatus for making piston packing-rings. No. 1,107,005; Aug. 11; Gaz. vol. 205; p. 538.
- White, Charles E., Wilmette, Ill. Feeding-basket for birds. No. 1,092,314; Apr. 7; Gaz. vol. 201; p. 67.
- White, Charles E., San Francisco, and C. H. McIntosh, Berkeley, Cal. Internal-combustion pump. No. 1,093,669; Apr. 21; Gaz. vol. 201; p. 603.
- White, Clarence G., Spokane, Wash. Oil-burning apparatus. No. 1,088,758; Mar. 3; Gaz. vol. 200; p. 29.
- White, Clayton G., Detroit, Mich. Electric switch. No. 1,114,831; Oct. 27; Gaz. vol. 207; p. 982.
- White Company, The. (See Entz, Justus B., assignor.)
- White Company, The. (See Hulet and Eaton, assignors.)
- White Company, The. (See White, Rollin H., assignor.)
- White, Crystobel. (See Robin and White.)
- White, Damon A., Attleboro, Mass. Forming an integral shank and bean for buttons, studs, and the like. No. 1,096,336; May 12; Gaz. vol. 202; p. 434.
- White, Daniel T., Racine, Wis. Lunch-box. No. 1,115,635; Nov. 3; Gaz. vol. 208; p. 57.
- White, Earl J., near Pulaski, Wis. Screen. No. 1,118,086; Nov. 24; Gaz. vol. 208; p. 1034.
- White, Edward J., Newark, N. J. Tool-holder. No. 1,092,615; Apr. 7; Gaz. vol. 201; p. 170.
- White, Edward L., assignor to Chicago Railway Equipment Company, Chicago, Ill. Adjustable brake-head. No. 1,118,715; Nov. 24; Gaz. vol. 208; p. 1254.
- White, Edward N., *et al.*, trustees. (See Taylor, George P., assignor.)
- White, Edward N., assignor of one-half to J. F. Oberle, New York, N. Y. Panoramic tripod-head. No. 1,083,575; Jan. 6; Gaz. vol. 198; p. 104.
- White, Edward Y., San Antonio, Tex. Dry-cleaning machine. No. 1,100,334; June 16; Gaz. vol. 203; p. 755.
- White, Edward Y., San Antonio, Tex. Cycle-frame. No. 1,120,111; Dec. 8; Gaz. vol. 209; p. 452.
- White, Edward Y., San Antonio, Tex. Motor-vehicle. No. 1,120,988; Dec. 15; Gaz. vol. 209; p. 810.
- White, Elmer B., Marylebone, London, England. Safety-razor-blade holder for stropping purposes. No. 1,084,682; Jan. 20; Gaz. vol. 198; p. 531.
- White, Elmer S., Mount Carmel, Ill. Electrical fixture. No. 1,089,609; Mar. 10; Gaz. vol. 200; p. 369.
- White, Ernest M., Globe, Ariz. Engine-oiling system. No. 1,101,366; June 23; Gaz. vol. 203; p. 1164.
- White, Ernest M., Globe, Ariz. Splash-trough for oiling systems. No. 1,109,724; Sept. 8; Gaz. vol. 206; p. 348.
- White, Frank C., assignor to The Wilcox & White Company, Meriden, Conn. Expression-controller. No. 1,093,228; Apr. 14; Gaz. vol. 201; p. 414.
- White, Frank C., assignor to The Wilcox & White Company, Meriden, Conn. Automatic rewind and stop mechanism for mechanical music-playing instruments. No. 1,093,813; Apr. 21; Gaz. vol. 201; p. 651.
- White, Frank C., assignor to The Wilcox & White Company, Meriden, Conn. Mechanical music-playing instrument. No. 1,103,854; July 14; Gaz. vol. 204; p. 614.
- White, Frank M., Canton, Ohio. Coin-holder for satchels. No. 1,108,292; Aug. 25; Gaz. vol. 205; p. 1088.
- White, Frank R., Washington, D. C. Rail-fastening device. No. 1,097,831; May 26; Gaz. vol. 202; p. 1037.
- White, Frank W., Brooklyn, N. Y. Attachment for tools. No. 1,106,264; Aug. 4; Gaz. vol. 205; p. 234.
- White, Franklin P., Shalotte, N. C. Wheel-hub. No. 1,120,776; Dec. 15; Gaz. vol. 209; p. 737.
- White, Franklin R., Waterbury, Conn. Staple. No. 1,110,091; Sept. 8; Gaz. vol. 206; p. 479.
- White, Franklin R., Watertown, assignor to Patent Button Company, Waterbury, Conn. Button-attaching machine. No. 1,083,420; Jan. 6; Gaz. vol. 198; p. 55.
- White, Franklin R., Watertown, assignor to Patent Button Company, Waterbury, Conn. Bar-button-attaching machine. No. 1,085,185; Jan. 27; Gaz. vol. 198; p. 739.
- White, Franklin R., Watertown, assignor to Patent Button Company, Waterbury, Conn. Fastener-feeding mechanism for button-attaching machines. No. 1,109,098; Sept. 1; Gaz. vol. 206; p. 85.
- White, Fred C., Jr., assignor of one-half to C. J. Thorman, Denver, Colo. Electric alarm and fire-escape. No. 1,097,699; May 26; Gaz. vol. 202; p. 990.
- White, Fred E. (See Wilder and White.)
- White, Frederick G. (See Beaumont and White.)
- White, Fredrick A., Denver, Colo. Tool-holder. No. 1,096,977; May 19; Gaz. vol. 202; p. 694.
- White, George, Jersey City, N. J., assignor, by mesne assignments, to Automatic Book-Keeping Register Company, Register. No. 1,114,085; Oct. 20; Gaz. vol. 207; p. 667.
- White, George J. (See Newport, William A., assignor.)
- White, George J., Washington, Pa. Wrench. No. 1,087,622; Feb. 17; Gaz. vol. 199; p. 807.
- White, Gilbert G., Mooresville, Ala. Horse-drenching bit. No. 1,121,435; Dec. 15; Gaz. vol. 209; p. 966.
- White-Haines Optical Company, The. (See Hubbell, Daniel D., assignor.)

Alphabetical list of patentees—Continued.

- White, Harold E., Glen Ridge, N. J., assignor to General Electric Company. Electrically-controlled switch. No. 1,110,021; Sept. 8; Gaz. vol. 206; p. 453.
- White, Harrie C., North Bennington, Vt. Stereoscope. No. 1,118,455; Nov. 24; Gaz. vol. 208; p. 1164.
- White, Harry B. (See Steiner and White.)
- White, Harry B., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Harness-saddle. No. 1,104,397; July 21; Gaz. vol. 204; p. 842.
- White, Harry B., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Bow rest and clamping device. (Reissue.) No. 13,819; Oct. 27; Gaz. vol. 207; p. 1212.
- White, Hazel G., and J. C. Hughes, Cathlamet, Wash. Copy-holder. No. 1,097,494; May 19; Gaz. vol. 202; p. 875.
- White, Henry A., South Braintree, Mass. Grinding and truing appliance for shafts. No. 1,117,734; Nov. 17; Gaz. vol. 208; p. 872.
- White, Herbert E., assignor to The General Fireproofing Company, Youngstown, Ohio. Expanded-metal structure. No. 1,088,951; Mar. 3; Gaz. vol. 200; p. 97.
- White, Herbert E., assignor to The General Fireproofing Company, Youngstown, Ohio. Building construction. No. 1,100,804; June 23; Gaz. vol. 203; p. 969.
- White, Herbert E., assignor to The General Fireproofing Company, Youngstown, Ohio. Expanded metal structure. No. 1,112,181; Sept. 29; Gaz. vol. 206; p. 1326.
- White, Herbert E., assignor to The General Fireproofing Company, Youngstown, Ohio. Building material. No. 1,116,185; Nov. 3; Gaz. vol. 208; p. 245.
- White, J. Harvey. (See Owens, Charles E., assignor.)
- White, James F., Center, Okla. Railway-tie. No. 1,101,602; June 30; Gaz. vol. 203; p. 1297.
- White, James F., assignor of one-half to E. C. Burress, Center, Okla. Folding car-step. No. 1,112,182; Sept. 29; Gaz. vol. 206; p. 1326.
- White, Jesse W., Edmond, Okla. Vehicle-wheel attachment. No. 1,115,355; Oct. 27; Gaz. vol. 207; p. 1165.
- White, John F., Pittsburgh, Pa. Electromechanical player for musical instruments. No. 1,088,499; Feb. 24; Gaz. vol. 199; p. 1153.
- White, John F., Bloomington, Ill. Flexible transmission and starting device for explosive-engines. No. 1,104,593; July 21; Gaz. vol. 204; p. 912.
- White, Joseph, Piscataway township, Middlesex county, assignor to Hall Printing Press Company, Dunellen, N. J. Printing-press. No. 1,112,665; Oct. 6; Gaz. vol. 207; p. 91.
- White, Joseph C., Newtonville, Mass. Firearm. No. 1,109,383; Sept. 1; Gaz. vol. 206; p. 188.
- White, Joshua J. (See Orth and White.)
- White, Kirk H., Oswego, assignor of one-half to M. S. Ely, New York, N. Y. Union suit. No. 1,093,018; Apr. 14; Gaz. vol. 201; p. 341.
- White Knight Company. (See Dooley, Simon F., assignor.)
- White, Leo J., and E. Evans, New York, N. Y. Drinking-cup and the like. No. 1,120,428; Dec. 8; Gaz. vol. 209; p. 566.
- White, Leslie W., Ridgway, Mont. Heat-insulated receptacle. No. 1,095,759; May 5; Gaz. vol. 202; p. 200.
- White, Loring Q., C. W. Hart, and H. O'Donnell, Brockton, assignors to L. Q. White Shoe Company, Boston, Mass. Innersole. No. 1,115,757; Nov. 3; Gaz. vol. 208; p. 98.
- White, Montezuma, *et al.* (See Waddell, Edward B., Jr., assignor.)
- White, Morris C., and O. C. Duryea, Los Angeles, Cal. Electrohydraulic power appliance. No. 1,088,002; Feb. 24; Gaz. vol. 199; p. 986.
- White, Morris C., and O. C. Duryea, Chicago, Ill. Briquetting-machine. No. 1,094,039; Apr. 21; Gaz. vol. 201; p. 726.
- White, Otis. (See Hodde and White.)
- White, Peter F., and W. Grant, McNeil Island, Wash. Tooth-brush. No. 1,091,993; Mar. 31; Gaz. vol. 200; p. 1302.
- White, Peter F., and M. M. Leonard, Leavenworth, Kans., assignors of one-fifth to W. Kubina, Charleroi, Pa. Twin vacuum-turbine. No. 1,112,956; Oct. 6; Gaz. vol. 207; p. 190.
- White, Prince E., Perth Amboy, N. J. Mechanical hand-saw. No. 1,110,363; Sept. 15; Gaz. vol. 206; p. 615.
- White, Ralph D. (See Sturgiss, Wilbur R., assignor.)
- White, Robert M., and E. T. Adams, Portsmouth, Ohio. Dumping-wagon. No. 1,099,781; June 9; Gaz. vol. 203; p. 527.
- White, Robert S., Jr., and C. N. Bancroft, Bickford, Okla. Rotary wall-block machine. No. 1,087,475; Feb. 17; Gaz. vol. 199; p. 757.
- White, Rollin H., Cleveland Heights Village, assignor to The White Company, Cleveland, Ohio. Automobile radiator-support. No. 1,087,519; Feb. 17; Gaz. vol. 199; p. 770.
- White, Rollin H., Cleveland Heights Village, assignor to The White Company, Cleveland, Ohio. Plural-cylinder engine. No. 1,103,639; July 14; Gaz. vol. 204; p. 541.
- White, Samuel R., Bloomington, Ill. Heat-distributing system. No. 1,094,040; Apr. 21; Gaz. vol. 201; p. 726.
- White, Samuel B., Georgetown, Ohio. Attachment for automobiles. No. 1,115,356; Oct. 27; Gaz. vol. 207; p. 1166.
- White, Samuel B., assignor to Office Appliance Manufacturing Company, Providence, R. I. Envelop-sealing machine. No. 1,090,771; Mar. 17; Gaz. vol. 200; p. 808.
- White, Samuel T., Davenport, Iowa. Mechanical movement for washing-machine wringers. No. 1,088,859; Mar. 3; Gaz. vol. 200; p. 63.
- White, T. Stewart, *et al.* (See Annable, Warren W., assignor.)
- White, Thomas F., St. Paul, Minn. Stovepipe-fastener. No. 1,103,235; July 14; Gaz. vol. 204; p. 401.
- White, Tilman, Berkeley, Cal. Gate-valve. No. 1,084,588; Jan. 13; Gaz. vol. 198; p. 471.
- White, Walter H. (See Starr and White.)
- White, Warren B., North Abington, Mass. Welt for boots and shoes. No. 1,086,877; Feb. 10; Gaz. vol. 199; p. 499.
- White, Warren B., North Abington, Mass. Counter and toe stiffener for boots and shoes. No. 1,088,313; Feb. 24; Gaz. vol. 199; p. 1092.
- White, Warren B., North Abington, Mass. Counter and toe stiffener for boots and shoes. No. 1,102,113; June 30; Gaz. vol. 203; p. 1477.
- White, Warren B., North Abington, assignor of one-half to F. W. Merrick, Boston, Mass. Inseam for shoes. No. 1,096,581; May 12; Gaz. vol. 202; p. 514.
- White, William, River Forest, Ill. Center-bearing. No. 1,095,688; May 5; Gaz. vol. 202; p. 176.
- White, William, Chicago, Ill. Side bearing. No. 1,118,984; Dec. 1; Gaz. vol. 209; p. 28.
- White, William E., assignor of one-half to H. A. Coe, Toledo, Ohio. Radiator. No. 1,101,109; June 23; Gaz. vol. 203; p. 1076.
- White, William H., Roanoke, Va. Sand-trap. No. 1,086,964; Feb. 10; Gaz. vol. 199; p. 528.
- White, William H., Roanoke, Va. Sand-trap. No. 1,117,119; Nov. 10; Gaz. vol. 208; p. 613.
- White, William K. (See Dewey, Josiah A., assignor.)
- White, William M., Milwaukee, Wis. Hydraulic turbine. No. 1,114,419; Oct. 20; Gaz. vol. 207; p. 786.
- White, William M., Bristol, Va. Shoe-heel. No. 1,121,436; Dec. 15; Gaz. vol. 209; p. 967.
- White, Woolman G., Brooklyn, assignor to International Typesetting Machine Company, New York, N. Y. Line-casting machine. No. 1,102,179; June 30; Gaz. vol. 203; p. 1499.
- White, Woolman G., Brooklyn, assignor to International Typesetting Machine Company, New York, N. Y. Linotype-machine. No. 1,108,818; Aug. 25; Gaz. vol. 205; p. 1267.
- Whiteford, Alexander W., *et al.*, trustees. (See McGill, Andrew M., assignor.)
- Whitehall Cement Manufacturing Company. (See Hochstrasser, Arnold, assignor.)
- Whitehead, John H., W. E. Layland, and G. Galloway, Leeds, England. Bearing for the drawing-off rollers of Noble's combing-machines. No. 1,102,834; July 7; Gaz. vol. 204; p. 215.
- Whitehead, Morris & Company. (See Farmer, Ernest H., assignor.)
- Whitehead, Richard A. (See Clubb and Whitehead.)
- Whitehead, Richard A., Los Angeles, Cal. Stereopticon. No. 1,110,247; Sept. 8; Gaz. vol. 206; p. 534.
- Whitehead, Richard G., Trenton, N. J. Water-heater for gas-ranges. No. 1,107,565; Aug. 18; Gaz. vol. 205; p. 785.
- Whitehill, John K., Clarinda, Iowa. Wire-mesh fastener for posts. No. 1,098,865; June 2; Gaz. vol. 203; p. 172.
- Whitehouse, George E., Edinburgh, Scotland. Clamping mechanism of loose-leaf ledgers and key therefor. No. 1,102,114; June 30; Gaz. vol. 203; p. 1477.
- Whitehouse, John T. (See Van Dorn and Whitehouse.)
- Whitehouse, Samuel A., Chicago, Ill. Valve structure. No. 1,084,185; Jan. 13; Gaz. vol. 198; p. 338.
- Whitehouse, Samuel A., Chicago, Ill. Valve. No. 1,084,186; Jan. 13; Gaz. vol. 198; p. 338.
- Whiteley, Wilfred, and W. Spencer, Elland, England. Cooling-tank. No. 1,113,921; Oct. 13; Gaz. vol. 207; p. 569.
- Whiteman, Clarence E. (See O'Connell and Whiteman.)
- Whiteman, George W., Philadelphia, Pa. Railway-switch. No. 1,103,720; July 14; Gaz. vol. 204; p. 569.
- Whiteman, Robert, West Finley, Pa. Lantern-rack. No. 1,098,466; June 2; Gaz. vol. 203; p. 38.
- White's Sons, S. R. (See White, Arthur M., assignor.)
- Whitesel, Frederick. (See Whitesel, Newton and F.)
- Whitesel, Newton and F., Watertown, Nebr. Wire-stretcher. No. 1,110,473; Sept. 15; Gaz. vol. 206; p. 655.
- Whiteside, James G., Youngstown, Ohio. Grip-truck. No. 1,105,943; Aug. 4; Gaz. vol. 205; p. 125.
- Whitesides, Robert L., Pittsburgh, Pa. Roller-bearing. No. 1,116,186; Nov. 3; Gaz. vol. 208; p. 245.
- Whitfield, Charles, Sydenham, London, England. Gas-producer. No. 1,096,774; May 12; Gaz. vol. 202; p. 579.
- Whitfield, Fred, *et al.* (See Woollett, Ernest, assignor.)
- Whitfield, Joseph H., *et al.* (See Woollett, Ernest, assignor.)

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- Whitfield, William. (See Hoover and Whitfield.)
- Whitford, Harry L., and F. Ahlstrom, assignors, by mesne assignments, to Metals Company, Chicago, Ill. Trap-door-operating mechanism. No. 1,102,221; June 30; Gaz. vol. 203; p. 1516.
- Whitford, John W. (See Dyer and Whitford.)
- Whitin Machine Works, The. (See Aldrich, William O., assignor.)
- Whitin Machine Works, The. (See Allen, Charles A., assignor.)
- Whitin Machine Works, The. (See Bates, Frank E., assignor.)
- Whitin Machine Works, The. (See Burlin, Charles T., assignor.)
- Whitin Machine Works, The. (See Hathaway, Dallas B., assignor.)
- Whitin Machine Works, The. (See Johnston, John A., assignor.)
- Whitin Machine Works, The. (See Knowlton, Charles E., assignor.)
- Whitin Machine Works, The. (See Nelson, Harmon O., assignor.)
- Whitin Machine Works, The. (See O'Connell, Timothy, assignor.)
- Whitin Machine Works, The. (See Owen, Oscar L., assignor.)
- Whitin Machine Works, The. (See Schofield, Robert, assignor.)
- Whitin Machine Works, The. (See Swift, Elijah K., assignor.)
- Whiting, Alexander F. (See Patrick, Jasper D., assignor.)
- Whiting Foundry Equipment Company. (See Hardy, Clement A., assignor.)
- Whiting Foundry Equipment Company. (See Loudon, Archibald M., assignor.)
- Whiting Foundry Equipment Company. (See Rundle, Fred A., assignor.)
- Whiting, Herman E., Palmyra, N. Y. Heater for gaseous fuel. No. 1,102,309; July 7; Gaz. vol. 204; p. 30.
- Whiting, Herman E., assignor to Garlock Auto Specialty Company, Palmyra, N. Y. Mixer for gaseous fuel. No. 1,089,804; Mar. 10; Gaz. vol. 200; p. 434.
- Whiting, Julius, Jr., trustee. (See Maxwell, Bert C., assignor.)
- Whiting, Kenneth, Larchmont, assignor to Electric Boat Company, New York, N. Y. Submarine craft. No. 1,097,700; May 26; Gaz. vol. 202; p. 990.
- Whiting, Loren A., and G. S. Parker, Hartford, Conn. Non-refillable bottle. No. 1,101,894; June 30; Gaz. vol. 203; p. 1397.
- Whiting, Max A., Schenectady, N. Y., assignor to General Electric Company. Motor-control system. No. 1,093,670; Apr. 21; Gaz. vol. 201; p. 604.
- Whiting Manufacturing Company. (See Blair, Thomas H., assignor.)
- Whiting, William J., Handsworth, Birmingham, England. Magazine small-arm. No. 1,121,437; Dec. 15; Gaz. vol. 209; p. 967.
- Whitlock, Arthur A., Council Bluffs, Iowa. Collapsible gate. No. 1,086,108; Feb. 3; Gaz. vol. 199; p. 191.
- Whitlock, John W., Rising Sun, Ind. Valve mechanism for internal-combustion engines. No. 1,084,514; Jan. 13; Gaz. vol. 198; p. 443.
- Whitman & Barnes Manufacturing Co., The. (See Sheldon, Charles E., assignor.)
- Whitman, Charles H., Des Moines, Iowa. Rifle-target. No. 1,123,051; Dec. 29; Gaz. vol. 209; p. 1604.
- Whitman, Charles M., Meeker, Okla. Clothes-pounder. No. 1,109,494; Sept. 1; Gaz. vol. 206; p. 224.
- Whitman, Emma J., Oakland, Cal. Theater-seat hat-holder. No. 1,121,959; Dec. 22; Gaz. vol. 209; p. 1186.
- Whitman, Harry M., and L. A. Martin, Canton, Pa.; said Martin assignor to said Whitman. Addressing-machine. No. 1,085,394; Jan. 27; Gaz. vol. 198; p. 812.
- Whitman, James A. (See Norton, Eugene E., assignor.)
- Whitman, Marvin H., Junction City, Ga. Tie-plate. No. 1,117,938; Nov. 17; Gaz. vol. 208; p. 941.
- Whitman, Raymond L. (See Casgrain and Whitman.)
- Whitmore, Claude C., assignor of one-half to W. B. Carroll, Butte, Mont. Electric furnace. No. 1,089,300; Mar. 3; Gaz. vol. 200; p. 213.
- Whitmore, Edward E., Chicago, Ill., assignor to The Curtain Supply Company, Newark, N. J. Car-diaphragm. No. 1,095,760; May 5; Gaz. vol. 202; p. 201.
- Whitmore, Edward E., Chicago, Ill., assignor to The Curtain Supply Company, Newark, N. J. Car-vestibule diaphragm. No. 1,095,761; May 5; Gaz. vol. 202; p. 201.
- Whitmore, Edward E., Chicago, Ill., assignor to The Curtain Supply Company, Newark, N. J. Car-vestibule diaphragm. No. 1,095,762; May 5; Gaz. vol. 202; p. 202.
- Whitmore, Edward E., Chicago, Ill., assignor to The Curtain Supply Company, Newark, N. J. Curtain-roller. No. 1,097,957; May 26; Gaz. vol. 202; p. 1083.
- Whitmore, Franklin S., Waynesboro, Pa. Mail-delivering apparatus. No. 1,121,438; Dec. 15; Gaz. vol. 209; p. 967.
- Whitmore, Fred A., Philadelphia, Pa., assignor to Crompton & Knowles Loom Works. Loom for weaving tufted or chenille fabrics or carpets. No. 1,102,835; July 7; Gaz. vol. 204; p. 215.
- Whitmore, George, Mulberry, Kans. Music-leaf turner. No. 1,093,090; Apr. 14; Gaz. vol. 201; p. 366.
- Whitmore, John P. (See Girard and Whitmore.)
- Whitney, Bion B., assignor of one-half to L. B. Whitney, Standish, Me. Wrench. No. 1,119,055; Dec. 1; Gaz. vol. 209; p. 56.
- Whitney, Claire, assignor of one-half to E. J. Shively, San Francisco, Cal. Cake-beater. No. 1,098,070; May 26; Gaz. vol. 202; p. 1123.
- Whitney, Claire, assignor of one-half to E. J. Shively, San Francisco, Cal. Toy bank. No. 1,108,046; Aug. 18; Gaz. vol. 205; p. 953.
- Whitney, Clarence J., Ripon, Wis. Skirt-supporter. No. 1,086,965; Feb. 10; Gaz. vol. 199; p. 528.
- Whitney, Eddy R., assignor to Commercial Truck Company of America, Philadelphia, Pa. Tower-wagon. No. 1,096,656; May 12; Gaz. vol. 202; p. 540.
- Whitney, Egbert, Omaha, Nebr. Hoisting-machine. No. 1,114,832; Oct. 27; Gaz. vol. 207; p. 983.
- Whitney, Elmer. (See Whitney, Herman and E.)
- Whitney, Ernest M., Providence, R. I. Shoe-stretcher. No. 1,083,576; Jan. 6; Gaz. vol. 198; p. 104.
- Whitney, Ernest M., Providence, R. I. Shoe-stretcher. No. 1,083,577; Jan. 6; Gaz. vol. 198; p. 105.
- Whitney, George E., Yonkers, N. Y., assignor to The International Pavement Company, Hartford, Conn. Mixer. No. 1,109,725; Sept. 8; Gaz. vol. 206; p. 348.
- Whitney, George E., Yonkers, N. Y., assignor to The International Pavement Company, Hartford, Conn. Mechanism for breaking asphaltic blocks. No. 1,119,379; Dec. 1; Gaz. vol. 209; p. 166.
- Whitney, Herman and E., Narka, Kans. Road-grading machine. No. 1,098,200; May 26; Gaz. vol. 202; p. 1166.
- Whitney, Lynwood B. (See Whitney, Bion B., assignor.)
- Whitney & Son, Baxter D. (See Loveland, Byron S., assignor.)
- Whitney, William M. (See Loveland, Byron S., assignor.)
- Whitney, William R., Courtenay, N. D. Valve. No. 1,116,187; Nov. 3; Gaz. vol. 208; p. 246.
- Whitney, Willie D., Holley, N. Y. Washing-machine. No. 1,108,047; Aug. 18; Gaz. vol. 205; p. 954.
- Whitney, Willis R., Schenectady, N. Y., assignor to General Electric Company. Sheathed-wire terminal. No. 1,093,512; Apr. 14; Gaz. vol. 201; p. 507.
- Whitney, Willis R., Schenectady, N. Y., assignor to General Electric Company. Purification of asbestos. No. 1,094,505; Apr. 28; Gaz. vol. 201; p. 943.
- Whitney, Willis R., Schenectady, N. Y., assignor to General Electric Company. Support for filaments. No. 1,105,050; July 28; Gaz. vol. 204; p. 1117.
- Whitney, Willis R., Schenectady, N. Y., assignor to General Electric Company. Molded metallic article and making the same. No. 1,121,960; Dec. 22; Gaz. vol. 209; p. 1186.
- Whiton, Frieda F., *et al.*, executrices. (See Frasch, Herman.)
- Whiton, Lucius E., New London, Conn. Chuck. No. 1,099,227; June 9; Gaz. vol. 203; p. 337.
- Whitt, Raleigh E., Honaker, assignor of one-third to C. W. Boyd, Richlands, Va. Cloth-marking attachment. No. 1,096,775; May 12; Gaz. vol. 202; p. 579.
- Whittaker, Matthew H., Manchester, assignor to Linotype and Machinery Limited, London, England. Type bar or slug. No. 1,098,866; June 2; Gaz. vol. 203; p. 172.
- Whittaker, Matthew H., Manchester, assignor to Linotype and Machinery Limited, London, England. Matrix for use in production of type-bars. No. 1,098,867; June 2; Gaz. vol. 203; p. 173.
- Whittaker, Matthew H., Manchester, and C. Holliwell, Broadheath, assignors to Linotype and Machinery Limited, London, England. Type bar or slug. No. 1,103,458; July 14; Gaz. vol. 204; p. 475.
- Whittaker, Matthew H., Manchester, and C. Holliwell, Broadheath, assignors to Linotype and Machinery Limited, London, England. Mold of typographical line-casting machines. No. 1,107,392; Aug. 18; Gaz. vol. 205; p. 723.
- Whittaker, Stella F. (See Byrd, Oscar O., assignor.)
- Whittemore, Allan P., Webster Groves, Mo. Machine for cutting sheet-glass. No. 1,117,735; Nov. 17; Gaz. vol. 208; p. 872.
- Whittemore, Allan P., Webster Groves, Mo. Sheet-glass-cutting machine. No. 1,117,736; Nov. 17; Gaz. vol. 208; p. 873.
- Whittemore, Allan P., Kirkwood, assignor of one-third to W. Shallcross, St. Louis, Mo. Method and apparatus for making sheet-glass. No. 1,087,154; Feb. 17; Gaz. vol. 199; p. 643.
- Whittemore, Bennie, Albert Lea, Minn. Road drag and grader. No. 1,093,814; Apr. 21; Gaz. vol. 201; p. 651.
- Whittemore, Bennie, Albert Lea, Minn. Road-grader. No. 1,117,467; Nov. 17; Gaz. vol. 208; p. 777.
- Whittemore, Charles. (See Cerda, Arthur G., assignor.)
- Whittemore, James A., assignor of one-half to A. J. Seys, Grand Rapids, Mich. Metal weather-strip. No. 1,110,022; Sept. 8; Gaz. vol. 206; p. 453.

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- Whittier, Charles R., New York, assignor of one-half to E. W. Marshall, Yonkers, N. Y. Actuating mechanism for elevator stop devices. No. 1,123,052; Dec. 29; Gaz. vol. 209; p. 1604.
- Whittier, Frederick G., Brookline, assignor to The Lamson Company, Boston, Mass. Parcel-routing apparatus. No. 1,093,815; Apr. 21; Gaz. vol. 201; p. 650.
- Whittier, Frederick G., Brookline, assignor to The Lamson Company, Boston, Mass. Pneumatic-despatch-tube selective system. No. 1,108,293; Aug. 25; Gaz. vol. 205; p. 1088.
- Whittington, J. S., *et al.* (See Beaird, William F., assignor.)
- Whittington, Wade H., Los Angeles, Cal. Railway rail and crossing construction. No. 1,100,042; June 16; Gaz. vol. 203; p. 653.
- Whittle, William H., Painesdale, Mich. File-box. No. 1,106,265; Aug. 4; Gaz. vol. 205; p. 235.
- Whittlesey, Frank R., Oakland, Cal. Electric heater. No. 1,112,582; Oct. 6; Gaz. vol. 207; p. 61.
- Whittlesey, John E., Pittsburgh, Pa. Superheater-boiler. No. 1,102,836; July 7; Gaz. vol. 204; p. 215.
- Whitton, Ira T., Winnipeg, Manitoba, Canada. Preservative receptacle. No. 1,088,194; Feb. 24; Gaz. vol. 199; p. 1052.
- Whitton, Lewis S., Chicago, Ill. Package-filling machine. No. 1,115,758; Nov. 3; Gaz. vol. 208; p. 99.
- Whitwell, Winfred R., and J. C. Kelly, Redondo Beach, Cal. Non-refillable bottle. No. 1,091,411; Mar. 24; Gaz. vol. 200; p. 1057.
- Whitworth, Charles S., *et al.* (See Moss, John H., assignor.)
- Whitworth, Charles S., Cedar Falls, Iowa. Guide-furrow-forming attachment for traction-rigs. No. 1,111,243; Sept. 22; Gaz. vol. 206; p. 967.
- Whitworth, Charles S., Cedar Falls, Iowa. Gate-hanging means. No. 1,119,558; Dec. 1; Gaz. vol. 209; p. 228.
- Whitworth, Charles S., assignor of one-half to C. C. Bogle, Cedar Falls, Iowa. Fastening means for flexible gates. No. 1,119,134; Dec. 1; Gaz. vol. 209; p. 82.
- Whitworth, John M., Korn, Okla. Lubricator for spindle-sheins. No. 1,107,469; Aug. 18; Gaz. vol. 205; p. 752.
- Wheley, Timothy J., Philadelphia, Pa. Wheel-flange lubricator. No. 1,094,955; Apr. 28; Gaz. vol. 201; p. 1102.
- Whyte, Frederick M., Tarrytown, N. Y., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,101,824; June 30; Gaz. vol. 203; p. 1373.
- Whyte, John D., Manchester, England. Device to facilitate threading shuttles. No. 1,105,733; Aug. 4; Gaz. vol. 205; p. 52.
- Wiard, Henry D., Santa Cruz, Cal. Collapsible room. No. 1,100,273; June 16; Gaz. vol. 203; p. 735.
- Wiberg, Charles A., Chicago City, Minn. Runner attachment for autovehicles. No. 1,084,187; Jan. 13; Gaz. vol. 198; p. 339.
- Wiberley, Frank, Jamaica, assignor to Barthels Manufacturing Co., Glendale Station, N. Y. Tip for lacings. No. 1,099,479; June 9; Gaz. vol. 203; p. 424.
- Wick, Charles, Miami, Ariz. Match-box. No. 1,094,283; Apr. 21; Gaz. vol. 201; p. 807.
- Wickel, Fritz C., Paris, France. Diffuser for producing a uniform jet of unlimited width. No. 1,085,313; Jan. 27; Gaz. vol. 198; p. 784.
- Wicker, John T., assignor of one-half to J. J. Garrelts, Sprague, Wash. Nut-lock. No. 1,119,334; Dec. 1; Gaz. vol. 209; p. 149.
- Wickersham, Alfred, Sunnydale, Cal., assignor to Atmospheric Clarifier Co. Air-washer. No. 1,094,107; Apr. 21; Gaz. vol. 201; p. 749.
- Wickert, William. (See Bozile, Charles, assignor.)
- Wicks Brothers. (See Floeter, Frederick S., assignor.)
- Wickey, Andrew, East Chicago, Ill. Cart. No. 1,105,228; July 28; Gaz. vol. 204; p. 1179.
- Wickham, Charles M., Rockford, Ill. Spike. No. 1,092,683; Apr. 7; Gaz. vol. 201; p. 192.
- Wickham, Howard, and L. T. Hughes, Scranton, Pa.; said Hughes assignor to said Wickham. Dipping-frame for glassware. No. 1,096,978; May 19; Gaz. vol. 202; p. 695.
- Wickham, William H., Seattle, Wash. Life-boat toboggan. No. 1,087,858; Feb. 17; Gaz. vol. 199; p. 888.
- Wickman, Albin E., Willmar, Minn. Vehicle-wheel. No. 1,094,956; Apr. 28; Gaz. vol. 201; p. 1102.
- Wicks, Herbert, Cleveland, Ohio. Electric iron. No. 1,094,506; Apr. 28; Gaz. vol. 201; p. 943.
- Wickwire Brothers. (See Wickwire, Theodore H., assignor.)
- Wickwire, Theodore H., assignor to Wickwire Brothers, Inc., Cortland, N. Y. Manufacture of woven wire fabric. No. 1,094,507; Apr. 28; Gaz. vol. 201; p. 943.
- Widders, Gatsie H., widow. (See Widders, William D.)
- Widders, William D., deceased; G. H. Widders, widow, Exeter, Mo. Train-pipe coupling. No. 1,102,837; July 7; Gaz. vol. 204; p. 216.
- Widdup, William R., assignor of one-third to E. Tanner and one-third to T. Wofford, Spartanburg, S. C. Thin-place preventer for looms. No. 1,116,188; Nov. 3; Gaz. vol. 208; p. 246.
- Widegren, Emil H. and K. A., Alby, Sweden. Electric writing-telegraph. No. 1,106,762; Aug. 11; Gaz. vol. 205; p. 455.
- Widegren, Klas A. (See Widegren, Emil H. and K. A.)
- Wideman, Edmund C., Wilkes-Barre, Pa. Powdered-soap dispenser. No. 1,089,097; Mar. 3; Gaz. vol. 200; p. 145.
- Widemann, Otto, Douglas, Alaska. Bottle-guard. No. 1,098,201; May 26; Gaz. vol. 202; p. 1166.
- Widemire, Edwin C., Winterburn, W. Va. Micrometer back-gage for band-saws. No. 1,116,656; Nov. 10; Gaz. vol. 208; p. 454.
- Widerkehr, Joseph, Colmar, Germany. Apparatus for prevention of dust on motor-vehicles. No. 1,092,416; Apr. 7; Gaz. vol. 201; p. 101.
- Widholm, Peter F. (See Babcock and Widholm.)
- Widlund, Harry, Manson, Iowa. Temporary bracket for shingling roofs. No. 1,112,876; Oct. 6; Gaz. vol. 207; p. 163.
- Widmaier, Otto. (See Rhefus and Widmaier.)
- Widmaier, Otto, Leipzig, Germany. Apparatus for enveloping letters, &c. No. 1,120,576; Dec. 8; Gaz. vol. 209; p. 619.
- Widman, Theodor R., East Twickenham, England. Mud-guard for road-vehicles. No. 1,095,053; Apr. 28; Gaz. vol. 201; p. 1135.
- Widmayer, William, Chicago, Ill. Carpet-beater. No. 1,094,619; Apr. 28; Gaz. vol. 201; p. 982.
- Widney, Stanley W., Chicago, Ill. Piano-trap mechanism. No. 1,099,413; June 9; Gaz. vol. 203; p. 402.
- Widney, Stanley W., Chicago, Ill. Shelf-support for pianos. No. 1,102,375; July 7; Gaz. vol. 204; p. 53.
- Width, Lars M., Duluth, Minn. Locking device. No. 1,102,838; July 7; Gaz. vol. 204; p. 216.
- Wiebke, Charles, Newark, N. J. Chenille-machine. No. 1,114,086; Oct. 20; Gaz. vol. 207; p. 667.
- Wieboldt, Elmer F., Chicago, Ill. Duplex cashier's desk. No. 1,107,735; Aug. 18; Gaz. vol. 205; p. 846.
- Wiechert, Frank T., assignor to The Wise Soda Apparatus Company, Bellevue, Ohio. Dispensing apparatus. No. 1,091,554; Mar. 31; Gaz. vol. 200; p. 1150.
- Wieda, Ernst F. W., Paterson, N. J. Treating milk and milk products. No. 1,092,616; Apr. 7; Gaz. vol. 201; p. 170.
- Wiedebusch, William A., Fairmont, W. Va. Radiator connection. No. 1,101,825; June 30; Gaz. vol. 203; p. 1373.
- Wiedeke, Gustav. (See Wiedeke, Otto, assignor.)
- Wiedeke, Otto, assignor of one-half to G. Wiedeke, Dayton, Ohio. Tube-expander. No. 1,089,170; Mar. 3; Gaz. vol. 200; p. 173.
- Wiedeke, Otto, assignor to G. Wiedeke, Dayton, Ohio. Tube-expander. No. 1,102,993; July 7; Gaz. vol. 204; p. 266.
- Wiedeke, Otto, assignor to G. Wiedeke, Dayton, Ohio. Tube-expander. No. 1,102,994; July 7; Gaz. vol. 204; p. 267.
- Wiedeman, Frank X., Hartford, Conn. Clamping device. No. 1,118,716; Nov. 24; Gaz. vol. 208; p. 1254.
- Wiedeman, Henry C. (See Huettelman, Cramer, Schumann, and Wiedeman.)
- Wiedeman, Henry C. (See Tackney, Edward J., assignor.)
- Wieder, Franz, Bliersheim, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Rail-fastening. No. 1,121,215; Dec. 15; Gaz. vol. 209; p. 890.
- Wieder, Henry G., London, England. Sound reproducing and recording instrument. No. 1,102,839; July 7; Gaz. vol. 204; p. 216.
- Wiederkehr, Hans, assignor to Schweizerische Lokomotiv- & Maschinenfabrik, Winterthur, Switzerland. Reversing device for engines with internal combustion. No. 1,085,653; Feb. 3; Gaz. vol. 199; p. 26.
- Wiedmann, George J., New York, N. Y. Pressure-reducer. No. 1,121,700; Dec. 22; Gaz. vol. 209; p. 1094.
- Wiedrich, Charles L., assignor to U. S. Hame Company, Buffalo, N. Y. Hame. No. 1,091,874; Mar. 31; Gaz. vol. 200; p. 1263.
- Wiedrich, Charles L., assignor to U. S. Hame Company, Buffalo, N. Y. Making sheet-metal hames. No. 1,098,928; June 2; Gaz. vol. 203; p. 195.
- Wiegand, Cris W., Los Angeles, Cal. Mirror. No. 1,092,965; Apr. 14; Gaz. vol. 201; p. 323.
- Wiegand, Heinrich, Dortmund, Germany. Light-printing apparatus. No. 1,086,966; Feb. 10; Gaz. vol. 199; p. 528.
- Wiegand, Henry J., Milwaukee, Wis. Electrical contact. No. 1,119,209; Dec. 1; Gaz. vol. 209; p. 108.
- Wiegand, Henry J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electrical contact. No. 1,091,875; Mar. 31; Gaz. vol. 200; p. 1263.
- Wiegand, Henry J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Rheostat. No. 1,092,880; Apr. 14; Gaz. vol. 201; p. 295.
- Wiegand, Henry J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Resistance unit. No. 1,120,259; Dec. 8; Gaz. vol. 209; p. 505.
- Wieland, Frederick A., Chicago, Ill. Vehicle. No. 1,109,191; Sept. 1; Gaz. vol. 206; p. 119.
- Wieland, Friedrich, East Rutherford, N. J., assignor to The Arlington Company, New York, N. Y. Manufacturing combs. No. 1,092,881; Apr. 14; Gaz. vol. 201; p. 295.

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- Wieland, Friedrich, East Rutherford, N. J., assignor to The Arlington Company, New York, N. Y. Die. No. 1,092,882; Apr. 14; Gaz. vol. 201; p. 295.
- Wieland, Friedrich, Poughkeepsie, assignor to The Arlington Company, New York, N. Y. Manufacture of combs. No. 1,092,883; Apr. 14; Gaz. vol. 201; p. 295.
- Wieland, Friedrich, Poughkeepsie, assignor to The Arlington Company, New York, N. Y. Manufacture of combs. No. 1,092,884; Apr. 14; Gaz. vol. 201; p. 296.
- Wieland, George A., assignor to S. G. Stevens, Duluth, Minn. Derrick for pulling stumps. No. 1,096,337; May 12; Gaz. vol. 202; p. 434.
- Wielob6b, John, assignor of one-half to M. Zywar, Carnegie, Pa. Non-skidding device. No. 1,115,636; Nov. 3; Gaz. vol. 208; p. 58.
- Wiemann, George H., New York, N. Y. Cloth-working machine. No. 1,086,967; Feb. 10; Gaz. vol. 199; p. 529.
- Wiemer, Henry, Dow City, Iowa. Horse-tie. No. 1,113,392; Oct. 13; Gaz. vol. 207; p. 385.
- Wiens, Adolph R., Milwaukee, Wis. Feed mechanism for strands. No. 1,084,773; Jan. 20; Gaz. vol. 198; p. 563.
- Wier, Harry A., Dallas, Tex. Mop. No. 1,085,395; Jan. 27; Gaz. vol. 198; p. 812.
- Wier, Harry B., Jersey City, N. J., assignor to Western Electric Company, New York, N. Y. Watchcase-receiver. No. 1,102,621; July 7; Gaz. vol. 204; p. 141.
- Wierum, Howard F., Upper Montclair, N. J. Gas-burner. No. 1,109,272; Sept. 1; Gaz. vol. 206; p. 148.
- Wiesbadener, Staniol- & Metallkapsel-Fabrik A. Flach. (See Castenholz, Bernard, assignor.)
- Wiese, Conrad C. A. E., Hamburg, Germany. Device for the interruption of the projection of kinematographic pictures. No. 1,120,577; Dec. 8; Gaz. vol. 209; p. 619.
- Wiese, Ludwig D. and M. J., Spokane, Wash. Car-truck. No. 1,116,775; Nov. 10; Gaz. vol. 208; p. 495.
- Wiese, Mathilda J. (See Wiese, Ludwig D. and M. J.)
- Wiese, Theodore L., Milwaukee, Wis. Cigar-moistener. No. 1,122,830; Dec. 29; Gaz. vol. 209; p. 1526.
- Wiesehan, George W., Indianapolis, Ind. Cooking-cabinet. No. 1,118,607; Nov. 24; Gaz. vol. 208; p. 1217.
- Wiesenfeld, Robert, Baltimore, Md. Fish-tongs. No. 1,095,054; Apr. 28; Gaz. vol. 201; p. 1135.
- Wieser, Karl, Bredeneu, assignor to Fried. Krupp Aktien-gesellschaft, Essen-on-the-Ruhr, Germany. Projectile. No. 1,098,202; May 26; Gaz. vol. 202; p. 1166.
- Wieser, Karl, Bredeneu, assignor to Fried. Krupp Aktien-gesellschaft, Essen-on-the-Ruhr, Germany. Percussion-fuse. No. 1,108,819; Aug. 25; Gaz. vol. 205; p. 1267.
- Wieser, Karl, Bredeneu, assignor to Fried. Krupp Aktien-gesellschaft, Essen-on-the-Ruhr, Germany. Projectile-tracer. No. 1,108,820; Aug. 25; Gaz. vol. 205; p. 1268.
- Wieser, Karl, Bredeneu, W. Schwartz, and U. Wilck, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Fuse-setting machine. No. 1,098,309; May 26; Gaz. vol. 202; p. 1205.
- Wiestner, John H., Philadelphia, Pa. Horseshoe. No. 1,109,495; Sept. 1; Gaz. vol. 206; p. 224.
- Wigelius, Sven, assignor to Aktiebolaget Wigelius Motorer, Stockholm, Sweden. Fuel-injector. No. 1,112,877; Oct. 6; Gaz. vol. 207; p. 163.
- Wigelius, Sven, assignor to Aktiebolaget Wigelius Motorer, Stockholm, Sweden. Fuel-injector. No. 1,112,878; Oct. 6; Gaz. vol. 207; p. 164.
- Wigg, Robert W., Middle Brighton, Victoria, Australia. Non-refillable bottle. No. 1,104,594; July 21; Gaz. vol. 204; p. 912.
- Wiggen, Peter, assignor to O. Nelson, Chicago, Ill. Pneumatically-actuated musical instrument. No. 1,110,364; Sept. 15; Gaz. vol. 206; p. 615.
- Wiggin, Albert E., *et al.* (See Garred, Ulysses A., assignor.)
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Temporary binder or loose-sheet holder. No. 1,086,495; Feb. 10; Gaz. vol. 199; p. 364.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Temporary binder. No. 1,090,183; Mar. 17; Gaz. vol. 200; p. 608.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder or loose-sheet holder. No. 1,093,369; Apr. 14; Gaz. vol. 201; p. 462.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder or loose-sheet holder. No. 1,093,370; Apr. 14; Gaz. vol. 201; p. 463.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Temporary binder or loose-sheet holder. No. 1,104,855; July 28; Gaz. vol. 204; p. 1050.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Temporary binder. No. 1,104,856; July 28; Gaz. vol. 204; p. 1051.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder or loose-sheet holder. No. 1,114,833; Oct. 27; Gaz. vol. 207; p. 983.
- Wigginton, Newton J. (See Grant, Edward W., assignor.)
- Wigginton, Newton J., Winchester, Va. Friction-clutch. No. 1,089,171; Mar. 3; Gaz. vol. 200; p. 173.
- Wiggs, Jonathan N., assignor of one-half to W. T. Caneer, Senath, Mo. Fire-escape. No. 1,116,189; Nov. 3; Gaz. vol. 208; p. 246.
- Wiggs, William W., assignor of one-half to W. L. Welborn, Crab Orchard, Ill. Window-shade. No. 1,084,051; Jan. 13; Gaz. vol. 198; p. 293.
- Wight, Thomas, *et al.* (See Hauser, Martin, Jr., assignor.)
- Wight, Thomas, Kansas City, Mo. Street-marker. No. 1,114,834; Oct. 27; Gaz. vol. 207; p. 984.
- Wight, Thomas, assignor to Frank Tilk Ornamental Iron Works Co., Kansas City, Mo. Street-marker. No. 1,118,087; Nov. 24; Gaz. vol. 208; p. 1034.
- Wight, William D., *et al.* (See Hauser, Martin, Jr., assignor.)
- Wightman and Hough Company. (See Hough, Herbert D., assignor.)
- Wightman & Hough Company. (See Mix, Henry D., assignor.)
- Wigle, Wilson B., Fullerton, Cal. Swivel-head for drill-pipes. No. 1,120,260; Dec. 8; Gaz. vol. 209; p. 506.
- Wigle, Wilson B., Los Angeles, assignor of one-third to W. F. Scott, Taft, and one-third to J. H. McBride, Los Angeles, Cal. Clutch. No. 1,110,510; Sept. 15; Gaz. vol. 206; p. 671.
- Wigness, Cornelius R., Harlan, Iowa. Cooling apparatus for metal-working tools. No. 1,119,669; Dec. 1; Gaz. vol. 209; p. 264.
- Wildanen, Matt A., Centerville, Wash. Wire-stretcher. No. 1,122,458; Dec. 29; Gaz. vol. 209; p. 1395.
- Wikander, Gustavus A., Portland, Oreg. Electromagnetic device for operating type-writers. No. 1,117,120; Nov. 10; Gaz. vol. 208; p. 614.
- Wikel, Henry S. (See Richards, Brayton G., assignor.)
- Wikel, Henry S., York, Pa. Rail-joint. No. 1,111,630; Sept. 22; Gaz. vol. 206; p. 1099.
- Wilanport Company Limited, The. (See Anderson, Robert H., assignor.)
- Wilber, Ford R., and H. E. Ball, assignors to The Moonlight Bait Company, Paw Paw, Mich. Artificial bait. No. 1,086,256; Feb. 3; Gaz. vol. 199; p. 238.
- Wilber, Thomas J. (See Godin, Eusebe, assignor.)
- Wilberg, Albin, De Kalb, Ill. Piano-lock. No. 1,088,500; Feb. 24; Gaz. vol. 199; p. 1154.
- Wilberg, Albin, De Kalb, Ill. Combined chuck and counter-sink. No. 1,101,157; June 23; Gaz. vol. 203; p. 1092.
- Wilberg, Albin, De Kalb, Ill. Music-desk for pianos. No. 1,101,367; June 23; Gaz. vol. 203; p. 1164.
- Wilbur, A., *et al.* (See Lytle, Harry R., assignor.)
- Wilbur, Burt, Syracuse, N. Y. Trolley-switch. No. 1,122,344; Dec. 29; Gaz. vol. 209; p. 1356.
- Wilbur, Frederick H., Lestershire, N. Y. Combined elastic and pneumatic tire. No. 1,088,860; Mar. 3; Gaz. vol. 200; p. 64.
- Wilbur, Merritt D., Rochester, N. Y. Cooling-jacket for thermo-couples. No. 1,122,345; Dec. 29; Gaz. vol. 209; p. 1356.
- Wilbur, Peter L., *et al.* (See MacGregor, Peter G., assignor.)
- Wilbur S. Steele Co., The. (See Daw, William P., assignor.)
- Wilbur, Stuart B., Chicago, Ill. Heat distributor or plate. No. 1,114,087; Oct. 20; Gaz. vol. 207; p. 668.
- Wilburn, Minnie C., assignor of one-half to P. H. Hansen, Cripple Creek, Colo. Brush. No. 1,110,605; Sept. 15; Gaz. vol. 206; p. 702.
- Wilck, Ulrich. (See Wieser, Schwartz, and Wilck.)
- Wilcke, Adolph, Chicago, Ill. Gun-sling-attaching means. No. 1,088,314; Feb. 24; Gaz. vol. 199; p. 1092.
- Wilcomb, Frank, Pawtucket, R. I. Circular-knitting machine. No. 1,086,968; Feb. 10; Gaz. vol. 199; p. 529.
- Wilcomb, Frank, Norristown, Pa., assignor, by mesne assignments, to Hemphill Manufacturing Co., Pawtucket, R. I. Circular-knitting machine. No. 1,100,805; June 23; Gaz. vol. 203; p. 970.
- Wilcomb, Frank, Norristown, Pa., assignor, by mesne assignments, to Hemphill Manufacturing Co., Pawtucket, R. I. Knitting-machine. No. 1,100,806; June 23; Gaz. vol. 203; p. 970.
- Wilcox, Charles E. (See Knapp and Wilcox.)
- Wilcox, Charles E., Bakersfield, and W. G. Knapp, Alhambra, Cal., assignors of one-third to Oil Well Supply Company, Pittsburgh, Pa. Swivel. No. 1,114,835; Oct. 27; Gaz. vol. 207; p. 984.
- Wilcox, David, *et al.* (See Lancaster, Charles F., assignor.)
- Wilcox, Ernest C., assignor to The Connecticut Telephone & Electric Company, Meriden, Conn. Ignition system. No. 1,106,432; Aug. 11; Gaz. vol. 205; p. 336.
- Wilcox, Ernest C., and B. L. Lawton, assignors to The Connecticut Telephone & Electric Company, Inc., Meriden, Conn. Igniter mechanism. No. 1,113,850; Oct. 13; Gaz. vol. 207; p. 545.
- Wilcox, Frank, Cedar Falls, Iowa. Jar holding and spacing means. No. 1,105,734; Aug. 4; Gaz. vol. 205; p. 52.
- Wilcox, Frank A., Pattersonville, N. Y. Milk-test-bottle rack. No. 1,088,642; Feb. 24; Gaz. vol. 199; p. 1200.
- Wilcox, Frank E., *et al.* (See Reynolds, Clifford W., assignor.)

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- Wilcox, Frank E., Mechanicsburg, Pa. Vehicle-gear. No. 1,122,452; Dec. 29; Gaz. vol. 209; p. 1392.
- Wilcox, George L., New York, N. Y. Locking device for hand-drills. No. 1,083,784; Jan. 6; Gaz. vol. 198; p. 173.
- Wilcox, John F., Earlsboro, Okla. Mail-box. No. 1,112,346; Sept. 29; Gaz. vol. 206; p. 1384.
- Wilcox, John M., Cleveland, Ohio. Dump-car. No. 1,090,001; Mar. 10; Gaz. vol. 200; p. 503.
- Wilcox, John T., assignor to Oakland Motor Car Company, Pontiac, Mich. Seat-spring. No. 1,084,917; Jan. 20; Gaz. vol. 198; p. 611.
- Wilcox, Melvin L., Flint, Mich. Making metal packing-rings. No. 1,116,776; Nov. 10; Gaz. vol. 208; p. 495.
- Wilcox, Monteville R., Minneapolis, Minn. Closet. No. 1,090,508; Mar. 17; Gaz. vol. 200; p. 722.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Hopper mechanism. No. 1,094,766; Apr. 28; Gaz. vol. 201; p. 1036.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Header. No. 1,104,090; July 21; Gaz. vol. 204; p. 737.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Thread-rolling machine. No. 1,104,091; July 21; Gaz. vol. 204; p. 737.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Feed mechanism. No. 1,105,343; July 28; Gaz. vol. 204; p. 1220.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Die-block. No. 1,108,958; Sept. 1; Gaz. vol. 206; p. 35.
- Wilcox, Russell I., assignor of one-half to A. Hoefler, Milwaukee, Wis. Selective sheet-winding mechanism for piano-players. No. 1,110,172; Sept. 8; Gaz. vol. 206; p. 509.
- Wilcox & White Company, The. (See White, Frank C., assignor.)
- Wilcoxson, George M., Chattanooga, Tenn. Draw-bar and yoke connection. No. 1,123,053; Dec. 29; Gaz. vol. 209; p. 1604.
- Wilcoxson, Isham F., assignor of one-half to G. W. Metcalf, Dryden, Okla. Harvesting-machine. No. 1,106,018; Aug. 4; Gaz. vol. 205; p. 151.
- Wilcoxson, Isham F., assignor of one-half to G. W. Metcalf, Dryden, Okla. Harvesting-machine. No. 1,106,019; Aug. 4; Gaz. vol. 205; p. 151.
- Wild, Anton, assignor to Werner & Pfleiderer, Saginaw, Mich. Machine for forming noodles. No. 1,090,509; Mar. 17; Gaz. vol. 200; p. 723.
- Wild, Anton, assignor to Werner & Pfleiderer Co., Saginaw, Mich. Machine for folding noodles. No. 1,108,294; Aug. 25; Gaz. vol. 205; p. 1089.
- Wild, Charles C., Dubuque, Iowa. Interest-computer. No. 1,114,560; Oct. 20; Gaz. vol. 207; p. 836.
- Wild, Charles W. (See Mansfield and Wild.)
- Wild, Gunther P., assignor to The Caloris Company, Philadelphia, Pa. Closure. No. 1,105,229; July 28; Gaz. vol. 204; p. 1180.
- Wild, Harry C., *et al.* (See Fitzgerald, John J., assignor.)
- Wild, Lionel, Upper Norwood, England. Means for spotting fabrics in one or more colors. No. 1,087,859; Feb. 17; Gaz. vol. 199; p. 888.
- Wild, Michael R., and E. O. Ehrenberg, Rochester, N. Y. Drying apparatus. No. 1,085,230; Jan. 27; Gaz. vol. 198; p. 754.
- Wild, Rudolf, Los Angeles, Cal. Thread-cutting device. No. 1,091,412; Mar. 24; Gaz. vol. 200; p. 1057.
- Wild, Wilhelm. (See Bosch and Wild.)
- Wilde, Arthur E., New York, N. Y. Syringe. No. 1,092,684; Apr. 7; Gaz. vol. 201; p. 193.
- Wilde, Arthur E., New York, N. Y. Safety-razor-blade holder. No. 1,113,851; Oct. 13; Gaz. vol. 207; p. 546.
- Wilde, Arthur E., New York, N. Y. Syringe. No. 1,114,561; Oct. 20; Gaz. vol. 207; p. 836.
- Wilde, Arthur E., New York, N. Y. Monkey-wrench. No. 1,114,562; Oct. 20; Gaz. vol. 207; p. 837.
- Wilde, Frank, White Lake, S. D. Plow-coupling. No. 1,101,158; June 23; Gaz. vol. 203; p. 1093.
- Wilde, Walter B. (See Hart, Wilde, and Brown.)
- Wilder, Charles, San Diego, Cal. Spiral tool-driver. No. 1,118,250; Nov. 24; Gaz. vol. 208; p. 1089.
- Wilder, Clinton E., Erie, Pa. Lathe attachment for turning and finishing crank-shafts. No. 1,098,654; June 2; Gaz. vol. 203; p. 102.
- Wilder, Denzil M., Shabbona, Ill. Excavating and conveying apparatus for starch. No. 1,102,376; July 7; Gaz. vol. 204; p. 53.
- Wilder, James W., Byron, Cal. Smoke-consumer. No. 1,117,614; Nov. 17; Gaz. vol. 208; p. 827.
- Wilder, William A., *et al.* (See Lancaster, Charles F., assignor.)
- Wilder, William H., and F. E. White, Gardner, Mass., assignors to Central Oil & Gas Stove Company. Oven. No. 1,107,470; Aug. 18; Gaz. vol. 205; p. 752.
- Wilderson, Clinton G., and E. Harrold, assignors to The Crescent Machine Company, Leetonia, Ohio. Wood-working-machine. No. 1,088,501; Feb. 24; Gaz. vol. 199; p. 1154.
- Wilding, James A. (See Tucker and Wilding.)
- Wildman, Frank B., and G. L. Ballard, Norristown, Pa., assignors to Wildman Mfg. Co. Circular French-welt knitting-machine. No. 1,105,735; Aug. 4; Gaz. vol. 205; p. 53.
- Wildman, Frank B., and G. L. Ballard, assignors to Wildman Mfg. Co., Norristown, Pa. Knitting-machine. No. 1,106,763; Aug. 11; Gaz. vol. 205; p. 455.
- Wildman, Frank B., and G. L. Ballard, assignors to Wildman Mfg. Co., Norristown, Pa. Circular-knitting machine. No. 1,106,764; Aug. 11; Gaz. vol. 205; p. 456.
- Wildman, Joseph E., Landover, Md., assignor, by mesne assignments, to The McCaskey Register Company, (incorporated in 1914.) Alliance, Ohio. Web-folding apparatus. No. 1,108,295; Aug. 25; Gaz. vol. 205; p. 1089.
- Wildman Mfg. Co. (See Ballard, George L., assignor.)
- Wildman Mfg. Co. (See Wildman and Ballard, assignors.)
- Wildrick, Warren H., Phillipsburg, N. J. Sack-cleaner. No. 1,115,357; Oct. 27; Gaz. vol. 207; p. 1166.
- Wilder, George, Detroit, Mich. Aeroplane. No. 1,106,020; Aug. 4; Gaz. vol. 205; p. 151.
- Wildt, Edward A., Scranton, Pa. Dumping-grate. No. 1,100,412; June 16; Gaz. vol. 203; p. 784.
- Wile, Raymond S., *et al.* (See De Loss, Harry H., assignor.)
- Wile, Raymond S., Pittsburgh, Pa. Reducing ores. No. 1,111,049; Sept. 22; Gaz. vol. 206; p. 899.
- Wile, Raymond S., Pittsburgh, Pa. Apparatus for reducing ores. No. 1,111,050; Sept. 22; Gaz. vol. 206; p. 900.
- Wile, Raymond S., Pittsburgh, Pa. Reducing ores. No. 1,111,341; Sept. 22; Gaz. vol. 206; p. 1000.
- Wile, William W., Bluffton, Ind. Screwless carbon-holder. No. 1,084,379; Jan. 13; Gaz. vol. 198; p. 401.
- Wiles, Herbert G. (See Brookshire and Wiles.)
- Wiley, Charles J., Yorktown, N. Y. Printing-telegraph. No. 1,116,657; Nov. 10; Gaz. vol. 208; p. 454.
- Wiley, Clarence H., Hartford, Conn. Index. No. 1,089,890; Mar. 10; Gaz. vol. 200; p. 464.
- Wiley, Edgar C., Lynchburg, Va. Vapor-heating system. No. 1,085,717; Feb. 3; Gaz. vol. 199; p. 48.
- Wiley, Elmer L., Marion, Kans. Door-hanger. No. 1,092,617; Apr. 7; Gaz. vol. 201; p. 171.
- Wiley, John I., Los Angeles, Cal. Display apparatus. No. 1,110,296; Sept. 8; Gaz. vol. 206; p. 552.
- Wiley, John I., assignor to W. H. Huff, Los Angeles, Cal. Puzzle. No. 1,112,746; Oct. 6; Gaz. vol. 207; p. 119.
- Wiley, Joseph W., and J. A. Kropp, Oak Park, Ill. Electric indicator. No. 1,118,717; Nov. 24; Gaz. vol. 208; p. 1255.
- Wiley, Thompson H., Omaha, Nebr. Door-lock keeper. No. 1,093,816; Apr. 21; Gaz. vol. 201; p. 652.
- Wilfley, Arthur R., Denver, Colo. Concentrator. No. 1,097,113; May 19; Gaz. vol. 202; p. 742.
- Wilford, Albert, Baltimore, Md. Conveyer. No. 1,094,508; Apr. 28; Gaz. vol. 201; p. 945.
- Wilford, Carl V., Barberton, Ohio. Rail tie and joint. No. 1,083,474; Jan. 6; Gaz. vol. 198; p. 72.
- Wilford, George J. F. (See Karlson, Karl, assignor.)
- Wilford, James W., and C. C. Wood, assignors to Omega Separator Company, Lansing, Mich. Distributing-tube for centrifugal separators. No. 1,096,000; May 5; Gaz. vol. 202; p. 280.
- Wilhelm, Edward A. (See Crosby, Wilhelm, and Brink.)
- Wilhelm, Jesse E., Cleveland, Ohio. Power-hammer. No. 1,104,946; July 28; Gaz. vol. 204; p. 1082.
- Wilhelm, Johannes. (See Finkelman and Wilhelm.)
- Wilhelmi, Otto, assignor of one-half to Internationale Siegwartbalken-Gesellschaft, Lucerne, Switzerland. Producing well-holes, pole-holes, and the like. No. 1,103,334; July 14; Gaz. vol. 204; p. 434.
- Wilhelmi, Otto, Lucerne, Switzerland, assignor of one-half to Internationale Siegwartbalkengesellschaft. Making firm foundations in the ground for piles, tubed shafts, and the like. No. 1,106,606; Aug. 11; Gaz. vol. 205; p. 402.
- Wilhelmi, Otto, assignor of one-half to Internationale Siegwartbalken-Gesellschaft, Lucerne, Switzerland. Tool for producing well-holes, pole-holes, and the like. No. 1,117,737; Nov. 17; Gaz. vol. 208; p. 873.
- Wilboit, Frederic S. (See Cutler and Wilboit.)
- Wilker, Arthur V., Berea, assignor to National Carbon Co., Cleveland, Ohio. Arc-light electrode. No. 1,114,953; Oct. 27; Gaz. vol. 207; p. 1027.
- Wilker, Frederick. (See Zimmerman and Wilker.)
- Wilkinson, Nannie C., Cameron, Tex. Quilting-frame. No. 1,100,807; June 23; Gaz. vol. 203; p. 970.
- Wilkes, Frank A., assignor to Wisconsin Barrel & Cooperage Co., Milwaukee, Wis. Stave-tapping-out apparatus. No. 1,115,138; Oct. 27; Gaz. vol. 207; p. 1092.
- Wilkes, Thomas C., and S. E. Phillips, Jackson, Mich. Water system. No. 1,115,139; Oct. 27; Gaz. vol. 207; p. 1093.
- Wilkey, William H., Cleveland, Ohio. Dust-collector. No. 1,088,952; Mar. 3; Gaz. vol. 200; p. 97.

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- Wilkie, Fred, New York, N. Y., assignor to The Dressel Railway Lamp Works. Signal-lamp. No. 1,106,690; Aug. 11; Gaz. vol. 205; p. 430.
- Wilkie, Richard S., Baker, Oreg. Rotary engine. No. 1,094,284; Apr. 21; Gaz. vol. 201; p. 807.
- Wilkin-Challoner Company. (See Brown, Rush C., assignor.)
- Wilkin, John T., assignor to The Connersville Blower Company, Connersville, Ind. Extractor of liquids and solids from gases. No. 1,105,868; Aug. 4; Gaz. vol. 205; p. 99.
- Wilkin, Joseph A., Matamoras, Pa. Clutch device. No. 1,118,456; Nov. 24; Gaz. vol. 208; p. 1164.
- Wilkins, Aaron. (See King, Jesse C., assignor.)
- Wilkins, Harry, Evansville, Ind. Reinforced-concrete railway-tie. No. 1,089,301; Mar. 3; Gaz. vol. 200; p. 214.
- Wilkins, Josephine. (See Mandeville and Wilkins.)
- Wilkins, Sarah, Calumet, Mich. Clothes-pin. No. 1,091,413; Mar. 24; Gaz. vol. 200; p. 1057.
- Wilkinson, Charles A., Worcester, Mass. Stove. No. 1,108,648; Aug. 25; Gaz. vol. 205; p. 1210.
- Wilkinson, Elmer E. (See Aronson, Saul, assignor.)
- Wilkinson, Frank W. (See Ziganek and Wilkinson.)
- Wilkinson, Frank W., and F. Ziganek, West Toledo, Ohio. Door-lock. No. 1,107,736; Aug. 18; Gaz. vol. 205; p. 846.
- Wilkinson, Glenn N., and F. M. Hamilton, Battle Creek, Mich. Air-compressor. No. 1,100,109; June 16; Gaz. vol. 203; p. 677.
- Wilkinson, James, Boston, Mass., assignor to General Electric Company. Recording flow-meter. No. 1,092,966; Apr. 14; Gaz. vol. 201; p. 323.
- Wilkinson, James, Boston, Mass., assignor to General Electric Company. Pitot plug for fluid-meters. No. 1,093,229; Apr. 14; Gaz. vol. 201; p. 415.
- Wilkinson, James, Boston, Mass., assignor to General Electric Company. Steam-boiler control. No. 1,095,133; Apr. 28; Gaz. vol. 201; p. 1161.
- Wilkinson, James, Boston, Mass., assignor to General Electric Company. Fluid-meter. No. 1,105,051; July 28; Gaz. vol. 204; p. 1117.
- Wilkinson, James, Boston, Mass., assignor to General Electric Company. Boiler-feed system. No. 1,105,736; Aug. 4; Gaz. vol. 205; p. 53.
- Wilkinson, James, Boston, Mass., assignor to General Electric Company. Nozzle-plug for flow-meters. No. 1,110,023; Sept. 8; Gaz. vol. 206; p. 454.
- Wilkinson, James, Boston, Mass., assignor to General Electric Company. Combination fluid-flow meter. No. 1,121,961; Dec. 22; Gaz. vol. 209; p. 1186.
- Wilkinson, James, Schenectady, N. Y., assignor to General Electric Company. Damper-regulator. No. 1,093,161; Apr. 14; Gaz. vol. 201; p. 391.
- Wilkinson, James, Schenectady, N. Y., assignor to General Electric Company. Electric contact-maker for flow-meters. No. 1,106,907; Aug. 11; Gaz. vol. 205; p. 506.
- Wilkinson, James, Schenectady, N. Y., assignor to General Electric Company. Flow-meter. No. 1,114,563; Oct. 20; Gaz. vol. 207; p. 837.
- Wilkinson, John, assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Internal-combustion engine. No. 1,119,914; Dec. 8; Gaz. vol. 209; p. 384.
- Wilkinson, Joseph E. (See Simpson and Wilkinson.)
- Wilkinson, Lafayette A., Philadelphia, Pa. Hose-supporter. No. 1,097,575; May 19; Gaz. vol. 202; p. 901.
- Wilkinson, Louis H., assignor to Manning, Bowman & Company, Meriden, Conn. Percolator construction. No. 1,116,962; Nov. 10; Gaz. vol. 208; p. 560.
- Wilkinson, Nathan, Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Rheostat. No. 1,086,109; Feb. 3; Gaz. vol. 199; p. 191.
- Wilkinson, Nathan, Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Resistance-grid. No. 1,088,003; Feb. 24; Gaz. vol. 199; p. 986.
- Wilkinson, Nathan, Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Time-element device. No. 1,118,608; Nov. 24; Gaz. vol. 208; p. 1217.
- Wilkinson, Nathan, Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Control system. No. 1,121,544; Dec. 15; Gaz. vol. 209; p. 1003.
- Wilkinson, Wilcie W., Santa Paula, Cal. Casing-tongs. No. 1,086,257; Feb. 3; Gaz. vol. 199; p. 238.
- Will & Baumer Company, The. (See Engman, Evald J., assignor.)
- Will, Frederick, and H. Becker, assignors to Sill Stove Works, Rochester, N. Y. Gas-stove. No. 1,089,172; Mar. 3; Gaz. vol. 200; p. 173.
- Will, Harry R. (See Maloney and Range, assignors.)
- Will, Henry F., Michigan City, Ind. Gas-engine. No. 1,089,173; Mar. 3; Gaz. vol. 200; p. 174.
- Willard, Donald E., assignor to Allith-Prouty Company, Danville, Ill. Door-hanger support. No. 1,120,777; Dec. 15; Gaz. vol. 209; p. 737.
- Willard, George E., and C. N. Cowden, Nashville, Tenn. Stamping-machine. No. 1,100,641; June 16; Gaz. vol. 203; p. 858.
- Willard, Thomas A., Aberdeen, Tex. Animal-trap. No. 1,101,368; June 23; Gaz. vol. 203; p. 1164.
- Willat, Feliciano C., Montevideo, Uruguay. Smoke-stack cleaner. No. 1,104,030; July 21; Gaz. vol. 204; p. 715.
- Willberg, Gebrüder. (See Willberg, Gustav, assignor.)
- Willberg, Gustav, assignor to Gebrüder Willberg, Rathenow, Germany. Lorgnette. No. 1,118,609; Nov. 24; Gaz. vol. 208; p. 1217.
- Willcox, Harry S., Oxford, N. Y. Hay-rack. No. 1,093,304; Apr. 14; Gaz. vol. 201; p. 442.
- Willcox, Oswin W., Dover, N. J., and L. F. Lemp, New York, N. Y. Storage-tank. No. 1,121,057; Dec. 15; Gaz. vol. 209; p. 835.
- Willems, Henry J. (See Mangel and Willems.)
- Willers, Frederick G., Cadillac, Mich. Safety appliance for railway-car trucks. No. 1,114,661; Oct. 20; Gaz. vol. 207; p. 869.
- Willers, Julius. (See Eldridge, Reuben C., assignor.)
- Willet, Warren, Fort Erie, Ontario, Canada, and O. E. Bowen, Buffalo, N. Y. Auto turn-jack. No. 1,088,953; Mar. 3; Gaz. vol. 200; p. 97.
- Willet, Alfred H., assignor to American Arch Company, New York, N. Y. Arch-brick. No. 1,103,236; July 14; Gaz. vol. 204; p. 401.
- Willet, Byron, Plymouth, Mich. Air-gun. No. 1,113,077; Oct. 6; Gaz. vol. 207; p. 229.
- Willet, George J., Milwaukee, Wis. Safety-lock for hammer-handles. No. 1,115,637; Nov. 3; Gaz. vol. 208; p. 58.
- Willet, George J., Milwaukee, Wis. Safety-guard for emery-wheels. No. 1,116,658; Nov. 10; Gaz. vol. 208; p. 454.
- Willet, Charles W., Seattle, Wash. Log-manipulating mechanism. No. 1,108,048; Aug. 18; Gaz. vol. 205; p. 954.
- Wiley, Arthur L., Providence, R. I., and A. C. Mason, Yonkers, N. Y., assignors to Woonsocket Machine & Press Company, Woonsocket, R. I. Drawing-frame. No. 1,090,586; Mar. 17; Gaz. vol. 200; p. 749.
- Wiley, Frank E., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Valve. No. 1,100,642; June 16; Gaz. vol. 203; p. 858.
- William B. Mershon & Company. (See Mershon, Edward C., assignor.)
- William Beehler, Inc. (See Beehler, William H., assignor.)
- William Cramp & Sons Ship & Engine Building Company, The. (See Metten, John F., assignor.)
- William Galloway Company. (See Berrigan, John J., assignor.)
- William H. Miller & Company. (See Neils, Edward, assignor.)
- William J. Faul Co. (See Faul, Edwin L., assignor.)
- William Koehl Company, The. (See Clarke and Illy, assignors.)
- William L. Dines, Jr., Co. (See Dines, William L., Jr., assignor.)
- William M. Palmer Manufacturing Company. (See Palmer, William M., assignor.)
- William Schollborn Company, The. (See Bernard, William A., assignor.)
- William Sellers & Company. (See Kneass, Strickland L., assignor.)
- William Sellers & Company. (See Vold, Lars H., assignor.)
- William Shakespeare, Jr., Company. (See Shakespeare and Schmid, assignors.)
- William Tod Company, The. (See Davis, John J., assignor.)
- William Tod Company, The. (See Hunt, Clinton H., assignor.)
- William Wharton, Jr. & Company. (See Angerer, Victor, assignor.)
- William Wharton, Jr., & Company. (See Angerer and Davenport, assignors.)
- Williams, Allen T., Boston, Mass. Picture-hook. No. 1,103,721; July 14; Gaz. vol. 204; p. 570.
- Williams, Appleton P. (See Winder, Samuel E., assignor.)
- Williams Automobile Transmission Company. (See Williams, Benjamin S., assignor.)
- Williams, Bella D., executrix. (See Williams, David S.)
- Williams, Benjamin, Worcester, Mass. Mop-wringer. No. 1,093,671; Apr. 21; Gaz. vol. 201; p. 604.
- Williams, Benjamin R., English, Ark. Metal breeching-strap. No. 1,083,383; Jan. 6; Gaz. vol. 198; p. 42.
- Williams, Benjamin S., Nashville, Tenn. Automatic starter. No. 1,101,159; June 23; Gaz. vol. 203; p. 1093.
- Williams, Benjamin S., assignor to Williams Automobile Transmission Company, Nashville, Tenn. Hydraulic power-transmission system for wheeled vehicles. No. 1,100,004; June 16; Gaz. vol. 203; p. 641.
- Williams, Bennett, and T. H. Norman, Coeur d'Alene, Idaho. Current-motor. No. 1,122,182; Dec. 22; Gaz. vol. 209; p. 1262.
- Williams, Bradford L., Camden, N. J. Measuring-container for sugar. No. 1,110,365; Sept. 15; Gaz. vol. 206; p. 616.
- Williams, Brown and Earle. (See Holst, Lodewyk J. R., assignor.)
- Williams, C. C., *et al.* (See Scott, Frederick C., assignor.)

Alphabetical list of patentees—Continued.

- Williams, Charles C., Bogata, assignor to The Williams Rail Joint and Chair Co., Deport, Tex. Rail-joint chair. No. 1,099,628; June 9; Gaz. vol. 203; p. 475.
- Williams, Charles C., and W. E. Fry, Anderson, Ind. Trolley-wheel. No. 1,084,988; Jan. 20; Gaz. vol. 198; p. 634.
- Williams, Charles H. (See Chamberlin and Williams.)
- Williams, Charles H. (See Pearse, Charles H., assignor.)
- Williams, Charles H., Jr., assignor to Chicago Railway Equipment Company, Chicago, Ill. Cast-metal brake-beam. No. 1,106,765; Aug. 11; Gaz. vol. 205; p. 456.
- Williams, Charles H., Jr., assignor to Chicago Railway Equipment Company, Chicago, Ill. Duplex third-point support for brake-beams. No. 1,114,210; Oct. 20; Gaz. vol. 207; p. 712.
- Williams, Charles I., Utica, N. Y. Water-gage and check-valve. No. 1,096,481; May 12; Gaz. vol. 202; p. 481.
- Williams, Clarence A., Chicago, Ill. Tongs. No. 1,121,783; Dec. 22; Gaz. vol. 209; p. 1123.
- Williams, Clarence B. (See Williams, Ira H., assignor.)
- Williams, David L., Blanchard, N. D. Grain-door. No. 1,088,004; Feb. 24; Gaz. vol. 199; p. 987.
- Williams, David L., assignor to Williams-Gregg Manufacturing Company, Ord, Nebr. Horse-collar pad. No. 1,108,049; Aug. 18; Gaz. vol. 205; p. 955.
- Williams, David R., *et al.* (See McCormack, John M., assignor.)
- Williams, David S., deceased, Glenside; B. D. Williams, executrix, assignor of one-half to W. C. Hosbach, Philadelphia, Pa. Supporting device. No. 1,099,137; June 2; Gaz. vol. 203; p. 261.
- Williams, David T., Paterson, N. J., assignor to Standard Stoker Co., Inc., Wilmington, Del. Conveyer. No. 1,099,956; June 16; Gaz. vol. 203; p. 624.
- Williams, David T., Paterson, N. J., assignor to Standard Stoker Company, Inc., Wilmington, Del. Automatic stoker. No. 1,118,985; Dec. 1; Gaz. vol. 209; p. 28.
- Williams, David T., Paterson, N. J., assignor to Standard Stoker Company, Inc., Wilmington, Del. Automatic stoker. No. 1,120,174; Dec. 8; Gaz. vol. 209; p. 475.
- Williams, Edgar A., Upper Black Eddy, Pa. Penholder. No. 1,106,173; Aug. 4; Gaz. vol. 205; p. 205.
- Williams, Edward C., assignor to E. D. Moeng, Chicago, Ill. Apparatus for cleaning electrotype-casts and type-forms. No. 1,115,994; Nov. 3; Gaz. vol. 208; p. 180.
- Williams, Edward L. (See Wyckoff, Amos A., assignor.)
- Williams, Edward L., assignor of one-half to A. A. Wyckoff, Santa Cruz, Cal. Lock. No. 1,093,817; Apr. 21; Gaz. vol. 201; p. 653.
- Williams, Edward L., assignor of one-half to A. A. Wyckoff, Santa Cruz, Cal. Lock. No. 1,105,052; July 28; Gaz. vol. 204; p. 1118.
- Williams, Edward R. (See Hall, Joseph B., assignor.)
- Williams, Edward R., Sharpsburg, Pa. Liquid-dispensing apparatus. No. 1,107,393; Aug. 18; Gaz. vol. 205; p. 723.
- Williams, Edward R., assignor of one-third to J. Williams and one-third to W. H. Williams, Sharpsburg, Pa. Disinfecting apparatus. No. 1,096,143; May 12; Gaz. vol. 202; p. 366.
- Williams, Edward T., Shoemakersville, Pa. Undergarment. No. 1,083,511; Jan. 6; Gaz. vol. 198; p. 83.
- Williams, Edwin A., Canton, Pa. Clothes-drier. No. 1,090,002; Mar. 10; Gaz. vol. 200; p. 504.
- Williams, Edwin F., and L. Skinner, assignors to The Skinner Engine Company, Erie, Pa. Valve-gear for steam-engines. No. 1,109,807; Sept. 8; Gaz. vol. 206; p. 375.
- Williams, Edwin F., and L. Skinner, assignors to The Skinner Engine Company, Erie, Pa. Automatic exhaust-valve. No. 1,111,983; Sept. 29; Gaz. vol. 206; p. 1258.
- Williams, Elmer E., assignor to E. Doig, executrix, New York, N. Y. Making and driving fasteners. No. 1,121,058; Dec. 15; Gaz. vol. 209; p. 835.
- Williams, Ernest J., St. Louis, Mo. Combined eye-shade and fan. No. 1,083,313; Jan. 6; Gaz. vol. 198; p. 19.
- Williams, Ernest J., St. Louis, Mo. Combined fan and eye-shade. No. 1,108,649; Aug. 25; Gaz. vol. 205; p. 1210.
- Williams, Ernest L., Hopland, Cal. Shock-absorber. No. 1,121,315; Dec. 15; Gaz. vol. 209; p. 924.
- Williams-Foote, Ambrose C. G., Denver, Colo. Convertible wheel for military and other trucks. No. 1,110,307; Sept. 8; Gaz. vol. 206; p. 556.
- Williams Foundry and Machine Company. (See Williams, John K., assignor.)
- Williams, Frank H., assignor to E. Wurtz, Buffalo, N. Y. Metal-cutting knife. No. 1,084,188; Jan. 13; Gaz. vol. 198; p. 340.
- Williams, Frank P., and M. H. Lane, St. Louis, Mo. Frame. No. 1,111,512; Sept. 22; Gaz. vol. 206; p. 1058.
- Williams, Frederick, assignor to Acme Register Company, Somerville, Mass. Station-box for watchmen and fire-alarm signaling. No. 1,119,738; Dec. 1; Gaz. vol. 209; p. 287.
- Williams, George A. (See Lindsey and Williams.)
- Williams, George A., assignor to The Williams Sealing Corporation, Waterbury, Conn. Bottle-cap. No. 1,108,959; Sept. 1; Gaz. vol. 206; p. 36.
- Williams, George B., Pittsburgh, Pa. Draftsman's device. No. 1,094,041; Apr. 21; Gaz. vol. 201; p. 726.
- Williams, George D., Durhamville, N. Y. Unloading apparatus. No. 1,090,510; Mar. 17; Gaz. vol. 200; p. 723.
- Williams, George E., Nyack, and M. W. Walker, Ossining, N. Y. Clothes-drier. No. 1,118,088; Nov. 24; Gaz. vol. 208; p. 1034.
- Williams, George H., Mount Carmel, Pa. Rail-joint support. No. 1,084,989; Jan. 20; Gaz. vol. 198; p. 634.
- Williams, George M., Elizabeth, N. J., assignor to P. Lorillard Company, Inc., New York, N. Y. Upsetting-tool for eyelets. No. 1,123,153; Dec. 29; Gaz. vol. 209; p. 1640.
- Williams, George R., Little Rock, Ark. Vehicle-wheel. No. 1,085,513; Jan. 27; Gaz. vol. 198; p. 850.
- Williams, George T., Denver, Colo. Space-band for lino-type-machines. No. 1,115,358; Oct. 27; Gaz. vol. 207; p. 1166.
- Williams, George T., Denver, Colo. Space-band for lino-type-machines. No. 1,118,718; Nov. 24; Gaz. vol. 208; p. 1255.
- Williams, George W., Dundas, Ontario, Canada. Combined governor and valve-gear for vapor-engines. No. 1,111,117; Sept. 22; Gaz. vol. 206; p. 923.
- Williams-Gregg Manufacturing Company. (See Williams, David L., assignor.)
- Williams, Hal S., and L. G. Wilson, Columbia, S. C. Railway-signal. No. 1,101,369; June 23; Gaz. vol. 203; p. 1165.
- Williams, Harold S., Caldwell, Idaho. Flume or conduit. No. 1,092,315; Apr. 7; Gaz. vol. 201; p. 67.
- Williams, Harry E., assignor to Dow Wire & Iron Works, Louisville, Ky. Conveyer. No. 1,095,255; May 5; Gaz. vol. 202; p. 28.
- Williams, Harry L., *et al.* (See Hunter, Robert, assignor.)
- Williams, Harry L., Chicago, Ill. Automatic stoker. No. 1,096,877; May 19; Gaz. vol. 202; p. 658.
- Williams, Harry L., Lakewood, assignor to The Williams Pivot Sash Company, Cleveland, Ohio. Swinging-sash window. No. 1,114,836; Oct. 27; Gaz. vol. 207; p. 985.
- Williams, Harvey D., assignor to Gear Improvement Company, Inc., New York, N. Y. Bevel-gearing. No. 1,112,509; Oct. 6; Gaz. vol. 207; p. 34.
- Williams, Henry A., Murphysboro, Ill. Combination go-cart and sulky. No. 1,104,335; July 21; Gaz. vol. 204; p. 821.
- Williams, Henry A., Murphysboro, Ill. Combination go-cart and sulky. No. 1,106,174; Aug. 4; Gaz. vol. 205; p. 206.
- Williams, Henry L. (See Windell, Frank D., assignor.)
- Williams, Herbert L., assignor of one-half to P. E. Ames, Everett, Wash. Logging-bunk. No. 1,108,416; Aug. 25; Gaz. vol. 205; p. 1128.
- Williams, Homer D., and W. Ahlen, Duquesne, Pa. Hot-bed-operating mechanism. No. 1,117,615; Nov. 17; Gaz. vol. 208; p. 827.
- Williams, Horace G. (See McKenzie, Mordey, assignor.)
- Williams, Howard E., Compton, Cal. Beet topper and harvester. No. 1,099,414; June 9; Gaz. vol. 203; p. 402.
- Williams, Ira H., Maple Creek, Saskatchewan, assignor of one-half to C. B. Williams, Pence, Canada. Animal-poke. No. 1,091,414; Mar. 24; Gaz. vol. 200; p. 1058.
- Williams, James P., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Garment-hook. No. 1,083,314; Jan. 6; Gaz. vol. 198; p. 19.
- Williams, Jesse J., Utica, N. Y. Trellis. No. 1,085,314; Jan. 27; Gaz. vol. 198; p. 785.
- Williams, John, assignor of one-third to W. Carey and one-third to H. Knight, Newburyport, Mass. Automobile-hinge. No. 1,096,657; May 12; Gaz. vol. 202; p. 540.
- Williams, John A., McColl, S. C. Brake. No. 1,101,370; June 23; Gaz. vol. 203; p. 1165.
- Williams, John B., San Francisco, Cal. Automatic measuring device. No. 1,119,380; Dec. 1; Gaz. vol. 209; p. 166.
- Williams, John C. (See Rudd and Williams.)
- Williams, John D., Wilkes-Barre, Pa. Guard for ice-cream freezers. No. 1,121,439; Dec. 15; Gaz. vol. 209; p. 968.
- Williams, John G. (See Durossette and Williams.)
- Williams, John H., Girard, Ill. Adjusting device. No. 1,088,643; Feb. 24; Gaz. vol. 199; p. 1200.
- Williams, John H., Philadelphia, Pa. Game apparatus. No. 1,101,980; June 30; Gaz. vol. 203; p. 1428.
- Williams, John K., Jacksonville, Fla. Sliding-door lock and brace. No. 1,117,121; Nov. 10; Gaz. vol. 208; p. 615.
- Williams, John K., Jacksonville, Fla. Lemon-squeezer. No. 1,117,122; Nov. 10; Gaz. vol. 208; p. 615.
- Williams, John K., assignor to The Williams Foundry and Machine Company, Akron, Ohio. Vulcanizing-press. No. 1,100,934; June 23; Gaz. vol. 203; p. 1016.
- Williams, John K., assignor of one-half to Williams Foundry and Machine Company, Akron, Ohio. Collapsible core. No. 1,105,737; Aug. 4; Gaz. vol. 205; p. 54.
- Williams, John P., New York, N. Y., assignor to Electric Bank Protection Company. Electric burglar-alarm system. No. 1,114,565; Oct. 20; Gaz. vol. 207; p. 837.

Alphabetical list of patentees—Continued.

- Williams, John P., New York, N. Y., assignor to Electric Bank Protection Company. Electric burglar-alarm system. No. 1,115,359; Oct. 27; Gaz. vol. 207; p. 1167.
- Williams, John R., Seattle, Wash. Auxiliary heating system. No. 1,112,583; Oct. 6; Gaz. vol. 207; p. 62.
- Williams, John S., Milton, Wash. Attachment for vehicle-lights. No. 1,121,882; Dec. 22; Gaz. vol. 209; p. 1159.
- Williams, John T. (See Brandt, Charles M., assignor.)
- Williams, John W., North Birmingham, Ala. Gage. No. 1,090,003; Mar. 10; Gaz. vol. 200; p. 504.
- Williams, Joseph, *et al.* (See Williams, Edward R., assignor.)
- Williams, Joseph, Jr., assignor to Pittsburgh Chemical Company, Pittsburgh, Pa. Feed device for liquids. No. 1,098,203; May 26; Gaz. vol. 202; p. 1167.
- Williams, Joseph, Jr., assignor of one-third to M. C. Thompson and one-third to D. S. Irvin, Pittsburgh, Pa. Feed device for liquids. No. 1,084,380; Jan. 13; Gaz. vol. 198; p. 401.
- Williams, Joseph A., Cleveland, Ohio. Ignition apparatus. No. 1,092,417; Apr. 7; Gaz. vol. 201; p. 101.
- Williams, Joseph A., Winnipeg, Manitoba, Canada. Car record and index book. No. 1,098,540; June 2; Gaz. vol. 203; p. 65.
- Williams, Joseph A., assignor to The K. W. Ignition Company, Cleveland, Ohio. Internal-combustion engine. No. 1,098,539; June 2; Gaz. vol. 203; p. 64.
- Williams, Joseph B., Oakdale, Tenn. Search-light for pistols. No. 1,088,502; Feb. 24; Gaz. vol. 199; p. 1154.
- Williams, Joseph H., assignor of one-half to N. S. Titchenal, Cashmere, Wash. Gas-engine. No. 1,096,878; May 19; Gaz. vol. 202; p. 658.
- Williams, Lacey Y., Toledo, Ohio. Dust-guard. No. 1,115,638; Nov. 3; Gaz. vol. 208; p. 58.
- Williams, Lacey Y., Toledo, Ohio. Dust-guard. No. 1,116,963; Nov. 10; Gaz. vol. 208; p. 560.
- Williams, Lacey Y., Toledo, Ohio. Dust-guard. No. 1,117,291; Nov. 17; Gaz. vol. 208; p. 716.
- Williams, Lacey Y., Toledo, Ohio. Dust-guard. No. 1,120,778; Dec. 15; Gaz. vol. 209; p. 737.
- Williams, Lacey Y., Toledo, Ohio. Dust-guard. No. 1,121,316; Dec. 15; Gaz. vol. 209; p. 925.
- Williams, Lee B., Humansville, Mo. Fruit-size grader. No. 1,109,099; Sept. 1; Gaz. vol. 206; p. 86.
- Williams, Lewis S., Fayetteville, N. C. Stalk-cutter. No. 1,085,776; Feb. 3; Gaz. vol. 199; p. 72.
- Williams, Lottie, Utica, N. Y. Seam-ripper. No. 1,084,990; Jan. 20; Gaz. vol. 198; p. 634.
- Williams, Louis, *et al.* (See Hale, William H., assignor.)
- Williams, Louis H., St. Joseph, Mo. Cloth-cutter. No. 1,122,050; Dec. 22; Gaz. vol. 209; p. 1218.
- Williams, Louis N. D., Ogontz, Pa. Stitch transferring and doubling device. No. 1,089,174; Mar. 3; Gaz. vol. 200; p. 174.
- Williams, Louis N. D., Ogontz, Pa. Knitting-machine needle. No. 1,120,989; Dec. 15; Gaz. vol. 209; p. 810.
- Williams, Louis N. D., Ogontz, Pa., assignor to Scott & Williams, Incorporated, Camden, N. J. Knitting-machine needle. No. 1,114,420; Oct. 20; Gaz. vol. 207; p. 786.
- Williams, Louis N. D., Ogontz, Pa., assignor to General Knit Fabric Company, Utica, N. Y. Needle-carrier for knitting-machines. No. 1,115,140; Oct. 27; Gaz. vol. 207; p. 1093.
- Williams, Louis N. D., Ogontz, Pa., assignor to Scott & Williams, Incorporated, Camden, N. J. Knitting-machine. No. 1,116,190; Nov. 3; Gaz. vol. 208; p. 247.
- Williams, Louis N. D., Ogontz, Pa., assignor to Scott & Williams, Incorporated, Camden, N. J. Knitting-machine. No. 1,120,578; Dec. 8; Gaz. vol. 209; p. 619.
- Williams, Lynn A. (See Poole, Arthur F., assignor.)
- Williams, Lynn A., Evanston, Ill. Magneto-machine. No. 1,117,616; Nov. 17; Gaz. vol. 208; p. 827.
- Williams, Lynn A., Evanston, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Means and method for accounting. No. 1,084,683; Jan. 20; Gaz. vol. 198; p. 531.
- Williams, Lynn A., Evanston, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Accounting system. No. 1,084,684; Jan. 20; Gaz. vol. 198; p. 532.
- Williams, Lynn A., Evanston, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Accounting system. No. 1,084,685; Jan. 20; Gaz. vol. 198; p. 532.
- Williams, Lynn A., Evanston, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Automatic time-accounting device. No. 1,084,686; Jan. 20; Gaz. vol. 198; p. 533.
- Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Blower for rotary mills. No. 1,103,237; July 14; Gaz. vol. 204; p. 401.
- Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Journal-box for rotary mills. No. 1,111,342; Sept. 22; Gaz. vol. 206; p. 1001.
- Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Reducing system. No. 1,116,777; Nov. 10; Gaz. vol. 208; p. 495.
- Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Crusher. No. 1,122,453; Dec. 29; Gaz. vol. 209; p. 1392.
- Williams, Myron H. O., Milwaukee, Wis. Ventilating-shield. No. 1,117,292; Nov. 17; Gaz. vol. 208; p. 716.
- Williams, Nathaniel, Owosso, Mich. Gate. No. 1,083,475; Jan. 6; Gaz. vol. 198; p. 72.
- Williams, Nathaniel, Owosso, Mich. Mail-box. No. 1,103,166; July 14; Gaz. vol. 204; p. 377.
- Williams, Oscar. (See Saunders and Williams.)
- Williams, Oscar C., Williamstown, W. Va. Heating-stove. No. 1,105,944; Aug. 4; Gaz. vol. 205; p. 125.
- Williams, Parskill E. (See Smith and Williams.)
- Williams Patent Crusher and Pulverizer Company. (See Kinsey, Frederick L., assignor.) (Reissue.)
- Williams Patent Crusher and Pulverizer Company. (See Ogden, Ferris, assignor.)
- Williams Patent Crusher and Pulverizer Company. (See Williams, Milton F., assignor.)
- Williams, Paul F., assignor to G. & W. Electric Specialty Co., Chicago, Ill. Pothead. No. 1,109,726; Sept. 8; Gaz. vol. 206; p. 349.
- Williams Pivot Sash Company, The. (See Williams, Harry L., assignor.)
- Williams Rail Joint and Chair Co., The. (See Williams, Charles C., assignor.)
- Williams, Richard, *et al.* (See Robinson, Arthur J., assignor.)
- Williams, Richard C., Kansas City, Mo. Sliding-door hanger. No. 1,085,654; Feb. 3; Gaz. vol. 199; p. 26.
- Williams, Robert E. (See Cunniff, Williams, and Healy.)
- Williams, Robert T., Detroit, Mich. Shock-absorber. No. 1,096,279; May 12; Gaz. vol. 202; p. 413.
- Williams, Roger, assignor, by mesne assignments, of one-half to W. M. Burt, Washington, D. C. Base-ball-game apparatus. No. 1,120,579; Dec. 8; Gaz. vol. 209; p. 620.
- Williams, Roger T., Sandusky, N. Y. Wood-sawing machine. No. 1,093,513; Apr. 14; Gaz. vol. 201; p. 507.
- Williams, Roy L., McKinney, Tex. Cotton-chopper attachment for cultivators. No. 1,084,052; Jan. 13; Gaz. vol. 198; p. 293.
- Williams, Roy O., and H. B. Coen, Columbus, Ohio. Water-cooling device. No. 1,092,316; Apr. 7; Gaz. vol. 201; p. 68.
- Williams, Samuel B., assignor to Western Electric Company, New York, N. Y. Telephone-exchange system and apparatus. No. 1,097,204; May 19; Gaz. vol. 202; p. 774.
- Williams, Samuel B., Jr. (See Burns and Williams.)
- Williams, Samuel B., Jr., Brooklyn, assignor to Western Electric Company, New York, N. Y. Service-meter circuit for telephone-exchange systems. No. 1,119,915; Dec. 8; Gaz. vol. 209; p. 384.
- Williams Sealing Corporation, The. (See Williams, George A., assignor.)
- Williams, Selby L., assignor of one-half to A. L. Way, Richmond, Ind. Cranking device. No. 1,098,541; June 2; Gaz. vol. 203; p. 65.
- Williams, Theodore V., Fairview, N. C. Ticket-cutter. No. 1,083,476; Jan. 6; Gaz. vol. 198; p. 73.
- Williams, Thomas B. (See Smith and Williams.)
- Williams, Thomas C., assignor of one-half to B. G. Call, Garfield, Utah. Water-closet cistern. No. 1,092,317; Apr. 7; Gaz. vol. 201; p. 68.
- Williams, Thomas F., assignor of one-half to R. Nelson, Chicago, Ill. Multiplying type-writer. No. 1,097,278; May 19; Gaz. vol. 202; p. 801.
- Williams, Thomas H., Eugene, Ore. Dough-shaping appliance. No. 1,111,631; Sept. 22; Gaz. vol. 206; p. 1100.
- Williams, Thomas J., Utica, N. Y. Gun. No. 1,113,723; Oct. 13; Gaz. vol. 207; p. 501.
- Williams, Thomas P., Vineland, N. C. Fertilizer-distributor. No. 1,114,211; Oct. 20; Gaz. vol. 207; p. 712.
- Williams, Victor, *et al.* (See Lockhart, Robert R., assignor.)
- Williams, Wade W., Providence, R. I. Pin-tongue for cuffs. No. 1,086,430; Feb. 10; Gaz. vol. 199; p. 341.
- Williams, White & Company. (See Warner, Arthur L., assignor.)
- Williams, William C., Burwell, Nebr. Ice-cutting machine. No. 1,087,476; Feb. 17; Gaz. vol. 199; p. 757.
- Williams, William E., Chicago, Ill. Railway-car ladder. No. 1,093,019; Apr. 14; Gaz. vol. 201; p. 341.
- Williams, William E., Chicago, Ill. Ladder for railway-cars. No. 1,093,020; Apr. 14; Gaz. vol. 201; p. 341.
- Williams, William E., Chicago, Ill. Freight-car ladder. No. 1,093,021; Apr. 14; Gaz. vol. 201; p. 341.
- Williams, William E., Chicago, Ill. Preserving railway-tie timber against injury from splitting and decay. No. 1,093,230; Apr. 14; Gaz. vol. 201; p. 415.
- Williams, William E., Chicago, Ill. Explosive-engine. No. 1,100,166; June 16; Gaz. vol. 203; p. 698.
- Williams, William E., Chicago, Ill. Manufacturing wheels. No. 1,110,092; Sept. 8; Gaz. vol. 206; p. 479.
- Williams, William E., Chicago, Ill. Metal spoked wheel. No. 1,113,078; Oct. 6; Gaz. vol. 207; p. 230.
- Williams, William E., Chicago, Ill. Making metal wheels. No. 1,118,986; Dec. 1; Gaz. vol. 209; p. 29.

Alphabetical list of patentees—Continued.

- Williams, William E., Massillon, Ohio, assignor of one-half to P. H. Holdsworth, Seattle, Wash. Smelting-furnace. No. 1,108,821; Aug. 25; Gaz. vol. 205; p. 1268.
- Williams, William F., Miami, Ariz. Multiple-signature machine. No. 1,100,513; June 16; Gaz. vol. 203; p. 816.
- Williams, William F., Fishguard, England. Automatic boat-releaser. No. 1,114,088; Oct. 20; Gaz. vol. 207; p. 668.
- Williams, William H., *et al.* (See Williams, Edward R., assignor.)
- Williams, William R., Longmont, Colo. Cranking device for internal-combustion motors. No. 1,086,969; Feb. 10; Gaz. vol. 199; p. 529.
- Williams, William W., assignor of one-half to W. P. Carpenter, Indianapolis, Ind. Reserve attachment for fuel-tanks. No. 1,102,971; July 7; Gaz. vol. 204; p. 259.
- Williams, Wynant J., Albany, N. Y. Compound transformer. No. 1,108,050; Aug. 18; Gaz. vol. 205; p. 955.
- Williamson, Arthur M., assignor to International Acheson Graphite Company, Niagara Falls, N. Y. Lubricating-block. No. 1,100,335; June 16; Gaz. vol. 203; p. 756.
- Williamson Bros. Co. (See Williamson, John D., Jr., assignor.)
- Williamson, Francis M., Galesburg, Ill. Fertilizer-spreader. No. 1,116,659; Nov. 10; Gaz. vol. 208; p. 455.
- Williamson, George F., Wellingborough, England. Railway-chair. No. 1,121,216; Dec. 15; Gaz. vol. 209; p. 891.
- Williamson, Glenn S., New York, N. Y. Printing-press. No. 1,104,461; July 21; Gaz. vol. 204; p. 864.
- Williamson Heater Company, The. (See Holub, Charles J., assignor.)
- Williamson, Herbert E., San Francisco, Cal. Pulley and block therefor. No. 1,111,118; Sept. 22; Gaz. vol. 206; p. 923.
- Williamson, James B., Everett, Mass. Display-easel. No. 1,109,561; Sept. 1; Gaz. vol. 206; p. 246.
- Williamson, James C., Cordele, Ga. Rope take-up. No. 1,092,618; Apr. 7; Gaz. vol. 201; p. 171.
- Williamson, James E., Pittsburgh, Pa. Oil-well heater. No. 1,095,365; May 5; Gaz. vol. 202; p. 66.
- Williamson, John, New York, assignor of one-half to W. Y. Huff, Brooklyn, N. Y. Pneumatic suspension device for vehicles. No. 1,083,969; Jan. 13; Gaz. vol. 198; p. 264.
- Williamson, John, New York, assignor of one-half to W. Y. Huff, Brooklyn, N. Y. Pneumatic suspension device for vehicles. No. 1,083,970; Jan. 13; Gaz. vol. 198; p. 264.
- Williamson, John, assignor of one-third to H. E. Randell and one-third to A. P. Stewart, Brooklyn, N. Y. Pneumatic suspension device for vehicles. No. 1,089,610; Mar. 10; Gaz. vol. 200; p. 369.
- Williamson, John B., Louisville, Ky. Cartridge-holder. No. 1,113,590; Oct. 13; Gaz. vol. 207; p. 454.
- Williamson, John D., Jr., assignor to Williamson Bros. Co., Philadelphia, Pa. Electrical steering-gear. No. 1,088,503; Feb. 24; Gaz. vol. 199; p. 1155.
- Williamson, John S., Seattle, Wash. Folding packing-case. No. 1,115,759; Nov. 3; Gaz. vol. 208; p. 99.
- Williamson, Newton H., assignor of one-half to P. B. Moseley, Greenfield, Tenn. Back-band hook. No. 1,105,945; Aug. 4; Gaz. vol. 205; p. 126.
- Williamson, Noah. (See Thomas and Williamson.)
- Williamson, Robert B. (See Brown and Williamson.)
- Williamson, Robert B., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Dynamo-electric machine. No. 1,085,514; Jan. 27; Gaz. vol. 198; p. 850.
- Williamson, Robert B., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Dynamo-electric machine. No. 1,121,545; Dec. 15; Gaz. vol. 209; p. 1004.
- Williamson, Robert B., Norwood, Ohio, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Automatic control of motors. No. 1,115,360; Oct. 27; Gaz. vol. 207; p. 1167.
- Williamson, Samson, Seattle, Wash. Clothes-drier. No. 1,109,890; Sept. 8; Gaz. vol. 206; p. 406.
- Williamson, Samuel S., Philadelphia, Pa. Non-refilling bottle. No. 1,102,560; July 7; Gaz. vol. 204; p. 119.
- Willamsport Mirror & Glass Company. (See Maeulen, Adolph, assignor.)
- Willimon, Marvin N. (See Stockton and Willimon.)
- Willing, Charley R., *et al.* (See Babbitt, Elwin J., assignor.)
- Willing, James W., Nanticoke, Md. Spark-arrester. No. 1,111,816; Sept. 29; Gaz. vol. 206; p. 1203.
- Willingham, Charles F., Houston, Tex. Tie-clasp. No. 1,113,271; Oct. 13; Gaz. vol. 207; p. 342.
- Willis, Ernest J., New York, N. Y., assignor, by mesne assignments, to Lovell-McConnell Manufacturing Company. Mechanical horn. No. 1,110,275; Sept. 8; Gaz. vol. 206; p. 545.
- Willis, George F., Yerington, Nev. Coin-tray. No. 1,095,256; May 5; Gaz. vol. 202; p. 28.
- Willis, George M., assignor, by mesne assignments, to Chicago Electric Meter Company, Chicago, Ill. Electric meter. No. 1,084,589; Jan. 13; Gaz. vol. 198; p. 471.
- Willis, George M., assignor, by mesne assignments, to Chicago Electric Meter Company, Chicago, Ill. Electric meter. No. 1,084,720; Jan. 20; Gaz. vol. 198; p. 545.
- Willis, George M., assignor, by mesne assignments, to Chicago Electric Meter Company, Chicago, Ill. Shunt for measuring instruments. No. 1,084,721; Jan. 20; Gaz. vol. 198; p. 546.
- Willis, Harry S., assignor to L. H. Alkire, Denver, Colo. Pocket-book. No. 1,116,660; Nov. 10; Gaz. vol. 208; p. 455.
- Willis, Isaac H., Galesburg, Ill. Bung for containers. No. 1,096,280; May 12; Gaz. vol. 202; p. 414.
- Willis, Leland, assignor to Bateman Manufacturing Company, Grenloch, N. J. Barrel-pump. No. 1,098,929; June 2; Gaz. vol. 203; p. 195.
- Willis, Leland, assignor to Bateman Manufacturing Company, Grenloch, N. J. Spike-tooth cultivator. No. 1,098,930; June 2; Gaz. vol. 203; p. 195.
- Willis, Leland, assignor to Bateman Manufacturing Company, Grenloch, N. J. Ridging device. No. 1,118,089; Nov. 24; Gaz. vol. 208; p. 1034.
- Willis, Leland, assignor to Bateman Manufacturing Company, Grenloch, N. J. Mounting for cultivator-blades. No. 1,118,090; Nov. 24; Gaz. vol. 208; p. 1034.
- Willis, Leland, and O. F. Woodworth, assignors to Bateman Manufacturing Company, Grenloch, N. J. Multiple-row plant-spraying machine. No. 1,118,091; Nov. 24; Gaz. vol. 208; p. 1035.
- Willis, Prior F., St. Louis, Mo. Oxyacetylene welding-torch. No. 1,119,916; Dec. 8; Gaz. vol. 209; p. 385.
- Willis, Prior F., St. Louis, Mo. Oxyacetylene cutting-torch. No. 1,119,917; Dec. 8; Gaz. vol. 209; p. 385.
- Willis, Sallie B., Richmond, Va. Spoon-handle. No. 1,121,701; Dec. 22; Gaz. vol. 209; p. 1095.
- Willis, Samuel B., New York, N. Y. Fire-fighting apparatus. No. 1,094,285; Apr. 21; Gaz. vol. 201; p. 807.
- Willis, Thomas H., Plattsburg, Ohio. Securing means. No. 1,106,691; Aug. 11; Gaz. vol. 205; p. 430.
- Willis, William, Brasted Chart, Kent, England. Production of photographic prints. No. 1,120,429; Dec. 8; Gaz. vol. 209; p. 566.
- Willis, William, Brasted Chart, Kent, England. Sensitive photographic paper and making the same. No. 1,120,580; Dec. 8; Gaz. vol. 209; p. 620.
- Williston, Belvin T., Somerville, Mass., assignor to The United Injector Company, New York, N. Y. Receptacle-closure. No. 1,087,520; Feb. 17; Gaz. vol. 199; p. 771.
- Williston, Belvin T., Somerville, Mass., assignor to The United Injector Company, New York, N. Y. Compound valve. No. 1,119,381; Dec. 1; Gaz. vol. 209; p. 166.
- Williston, Belvin T., Somerville, Mass., assignor to The United Injector Company, New York, N. Y. Torsion-rod fastening. No. 1,121,962; Dec. 22; Gaz. vol. 209; p. 1187.
- Williston, Frederick W. (See Riel and Williston.)
- Willits, Frederick E., Kansas City, Mo., assignor to Wire Fabric Machinery Company. Wire-fabric machine. No. 1,121,784; Dec. 22; Gaz. vol. 209; p. 1123.
- Willits, Ward B., *et al.* (See Glassco, Robert C., assignor.)
- Willman, Southwell, Spokane, Wash. Cabinet-calendar. No. 1,116,524; Nov. 10; Gaz. vol. 208; p. 403.
- Willmer, Arnold, Hanover-Kleefeld, assignor to Gebrüder Körting Aktiengesellschaft, Linden, near Hanover, Germany. Means for atomizing fuel. No. 1,085,075; Jan. 20; Gaz. vol. 198; p. 664.
- Willmott, Charles, Smethwick, England. Soldering-tool. No. 1,099,957; June 16; Gaz. vol. 203; p. 624.
- Willner, Christian F., Kansas City, Kans. Spring-wheel. No. 1,084,515; Jan. 13; Gaz. vol. 198; p. 444.
- Willcock, Frederick, Scranton, Pa. Train-stopping apparatus. No. 1,118,987; Dec. 1; Gaz. vol. 209; p. 29.
- Willoughby, J. H., *et al.* (See Dudgeon, Adelbert, assignor.)
- Willoughby, Victor, Jeffersonville, Ind., assignor to American Car and Foundry Company, St. Louis, Mo. Mail-pouch rack. No. 1,097,958; May 26; Gaz. vol. 202; p. 1084.
- Willoughby, Victor, Jeffersonville, Ind., assignor to American Car and Foundry Company, St. Louis, Mo. Cast-steel door-frame. No. 1,097,959; May 26; Gaz. vol. 202; p. 1084.
- Willoughby, Victor, Jeffersonville, Ind., assignor to American Car and Foundry Company, St. Louis, Mo. Draft-gear. No. 1,122,454; Dec. 29; Gaz. vol. 209; p. 1393.
- Willour, Le Roy, Ashland, Ohio. Flush-valve. No. 1,100,110; June 16; Gaz. vol. 203; p. 677.
- Willour, Le Roy, assignor to The Ashland Manufacturing Company, Ashland, Ohio. Merry-go-round. No. 1,099,729; June 9; Gaz. vol. 203; p. 509.
- Wills, Charles M. (See Holland, Julian, assignor.)
- Wills, Clara E., Southport, England. Gas cooking-stove. No. 1,108,650; Aug. 25; Gaz. vol. 205; p. 1211.
- Wills, Edwin C., Frederick, Md. Furnace for refining metal. No. 1,084,991; Jan. 20; Gaz. vol. 198; p. 635.
- Wills, Garland S., Twin Buttes, Ariz. Wire-connector. No. 1,106,855; Aug. 11; Gaz. vol. 205; p. 488.

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- Wills, Preslay C., Monticello, Utah, assignor of one-third to L. W. Galloway, Montrose, Colo. Coupling for drills. No. 1,085,515; Jan. 27; Gaz. vol. 198; p. 851.
- Wills, William. (See Rimmer, Plymire, and Wills.)
- Willis, Henry E., New York, N. Y. Apparatus for utilizing solar heat. No. 1,101,000; June 23; Gaz. vol. 203; p. 1039.
- Willis, Henry E., New York, N. Y. Utilizing solar energy. No. 1,101,001; June 23; Gaz. vol. 203; p. 1039.
- Willson, Adolph, Minneapolis, Minn. Adjustable form for routing-machines. No. 1,115,995; Nov. 3; Gaz. vol. 208; p. 181.
- Willson, Charles C. T., Altoona, Pa. Drop-door rigging for hopper-cars. No. 1,095,443; May 5; Gaz. vol. 202; p. 92.
- Willson, Edgar G., Appleton, Wis. Tenpin. No. 1,088,315; Feb. 24; Gaz. vol. 199; p. 1093.
- Willson, Frederick, and N. Bourquin, assignors to T. A. Willson & Co., Incorporated, Reading, Pa. Goggles. No. 1,103,118; July 14; Gaz. vol. 204; p. 360.
- Willson, Freeman R., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Conveyor-belt support. No. 1,088,195; Feb. 24; Gaz. vol. 199; p. 1053.
- Willson, Freeman R., Jr., Worthington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Pulverizing-machine. No. 1,084,516; Jan. 13; Gaz. vol. 198; p. 444.
- Willson, Freeman R., Jr., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Conveyor-belt support. No. 1,088,644; Feb. 24; Gaz. vol. 199; p. 1201.
- Willson, Russell A., and A. L. Wright, Spokane, Wash. Automatic car-arrester. No. 1,083,717; Jan. 6; Gaz. vol. 198; p. 153.
- Willson, Thomas L. (See Haff, Maximilian M., assignor.)
- Willson, Thomas L., and M. M. Haff, Ottawa, Ontario, Canada; said Haff assignor to said Willson. Obtaining nitrogen and making compounds therefrom. No. 1,084,774; Jan. 20; Gaz. vol. 198; p. 564.
- Willson, Thomas L., and M. M. Haff, Ottawa, Ontario, assignors to Southern Investment Co. of Canada Ltd., Montreal, Canada. Fertilizing compound. No. 1,103,910; July 14; Gaz. vol. 204; p. 634.
- Willson, Thomas L., and M. M. Haff, Ottawa, Ontario, assignor to Southern Investment Co. of Canada Ltd., Montreal, Canada. Fertilizer. No. 1,112,183; Sept. 29; Gaz. vol. 206; p. 1326.
- Willson, Thomas L., and M. M. Haff, Ottawa, Ontario, assignors to Southern Investment Co. of Canada Ltd., Montreal, Canada. Drying superphosphates, &c. No. 1,122,183; Dec. 22; Gaz. vol. 209; p. 1262.
- Willys-Overland Company, The. (See Green, Charles F., assignor.)
- Willys-Overland Company, The. (See Rundquist, Fritz, assignor.)
- Wilm, Alfred, Schlachtensee, near Berlin, Germany. Improving alloys. No. 1,083,903; Jan. 6; Gaz. vol. 198; p. 208.
- Wilmarth Show Case Company. (See Morris, Edmund, assignor.)
- Wilmerling, Henry G., New York, N. Y. Valve. No. 1,119,739; Dec. 1; Gaz. vol. 209; p. 287.
- Wilmes, Nick E., San Francisco, Cal. Vibrator massage implement. No. 1,113,079; Oct. 6; Gaz. vol. 207; p. 230.
- Wilmot, Arthur E., Seattle, Wash. Collar. No. 1,108,296; Aug. 25; Gaz. vol. 205; p. 1090.
- Wilmot, George W., *et al.* (See Johnson, John S., assignor.)
- Wilmot, George W., Hazleton, Pa. Drive-chain. No. 1,109,808; Sept. 8; Gaz. vol. 206; p. 375.
- Wilmot, George W., Hazleton, Pa. Drive-chain. No. 1,109,809; Sept. 8; Gaz. vol. 206; p. 376.
- Wilmot, George W., Hazleton, and J. H. Weston, Tamaqua, Pa. Drive-chain. No. 1,122,831; Dec. 29; Gaz. vol. 209; p. 1526.
- Wilmowsky, Erwin F. von, deceased, Boston, Mass.; E. J. Prindle, executor, assignor to O. Pieper, Potsdam, Germany. Electric furnace and process of heating substances. No. 1,094,354; Apr. 21; Gaz. vol. 201; p. 828.
- Wilmowsky, Erwin F. von, deceased, Boston, Mass.; E. J. Prindle, executor, East Orange, N. J., assignor to O. Pieper, Potsdam, Germany. Electric furnace and process of heating substances uniformly and at a controllable temperature. No. 1,094,355; Apr. 21; Gaz. vol. 201; p. 829.
- Wilmowsky, Erwin F. von, deceased, Boston, Mass.; E. J. Prindle, executor, assignor to O. Pieper, Potsdam, Germany. Electric furnace for and process of heating substances uniformly and at a controllable temperature in an electric arc. No. 1,094,381; Apr. 21; Gaz. vol. 201; p. 838.
- Wilson, Albert M., Cherokee, Iowa. Hose-supporter. No. 1,110,851; Sept. 15; Gaz. vol. 206; p. 787.
- Wilson, Alfred, Corning, Cal. Hay-rack lifter. No. 1,116,964; Nov. 10; Gaz. vol. 208; p. 560.
- Wilson, Allison H., Hamilton, Ohio. Collapsible box. No. 1,113,922; Oct. 13; Gaz. vol. 207; p. 570.
- Wilson, Andrew A., Ashland, Ky. Straight-edge implement. No. 1,102,115; June 30; Gaz. vol. 203; p. 1478.
- Wilson, Benjamin H., Wilmington, Del. Street-sweeping machine. No. 1,100,808; June 23; Gaz. vol. 203; p. 971.
- Wilson, Burton. (See Hopkins, Charles R., assignor.)
- Wilson, Charles D., Toledo, Ohio. Wrench. No. 1,105,475; July 28; Gaz. vol. 204; p. 1269.
- Wilson, Charles D., assignor to The Union Arms Company, Toledo, Ohio. Firearm. No. 1,084,775; Jan. 20; Gaz. vol. 198; p. 564.
- Wilson, Charles E., assignor to The Shaw-Walker Company, Muskegon, Mich. Filing-desk. No. 1,115,996; Nov. 3; Gaz. vol. 208; p. 181.
- Wilson, Charles H., Mount Vernon, N. Y. Thermo-electric pyrometer. No. 1,103,640; July 14; Gaz. vol. 204; p. 542.
- Wilson, Charles J. (See Goss and Wilson.)
- Wilson, Charles N., U. S. Army. Line indicator and signal. No. 1,083,646; Jan. 6; Gaz. vol. 198; p. 128.
- Wilson, Clarence C., assignor to The Warner Brothers Company, Bridgeport, Conn. Non-heat-conducting receptacle. No. 1,099,228; June 9; Gaz. vol. 203; p. 338.
- Wilson, Clarence C., assignor to The Warner Brothers Company, Bridgeport, Conn. Shirt-box. No. 1,115,639; Nov. 3; Gaz. vol. 208; p. 58.
- Wilson, Clay, New York, N. Y. Inhaler. No. 1,085,833; Feb. 3; Gaz. vol. 199; p. 90.
- Wilson, Clay, New York, N. Y. Appliance for the treatment of the mucous membrane. No. 1,114,212; Oct. 20; Gaz. vol. 207; p. 713.
- Wilson, David H., *et al.*, trustees. (See Wilson, David H., assignor.)
- Wilson, David H., New York, N. Y. Telephone repeating device. No. 1,097,960; May 26; Gaz. vol. 202; p. 1085.
- Wilson, David H., Chicago, Ill., assignor, by mesne assignments, to D. H. Wilson and R. Bines, trustees, New York, N. Y. Induction-coil. No. 1,117,293; Nov. 17; Gaz. vol. 208; p. 716.
- Wilson Distilling Company, The, *et al.* (See Switzer and Lacroix, assignors.)
- Wilson, Edgar A., and E. L. Crandall, Carlisle, Ark. Hand-brake for trucks. No. 1,120,581; Dec. 8; Gaz. vol. 209; p. 620.
- Wilson, Edward, and W. A. McLeod, Bisbee, Ariz. Drill-extractor. No. 1,117,468; Nov. 17; Gaz. vol. 208; p. 778.
- Wilson, Edward B., Worland, Wyo. Ditching-plow. No. 1,101,371; June 23; Gaz. vol. 203; p. 1165.
- Wilson, Edward E., assignor to K. L. Smootz, Cleveland, Ohio. Sidestick and galley lock. No. 1,123,154; Dec. 29; Gaz. vol. 209; p. 1641.
- Wilson, Elmer A., Niles, Ohio. Metal structure. No. 1,095,055; Apr. 28; Gaz. vol. 201; p. 1136.
- Wilson, Eugene W., assignor to Detroit Pneumatic Tire Company, Detroit, Mich. Tire. No. 1,091,176; Mar. 24; Gaz. vol. 200; p. 981.
- Wilson, F. C., *et al.* (See Huff, William F., assignor.)
- Wilson, Fergus F., Brooklyn, assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,115,141; Oct. 27; Gaz. vol. 207; p. 1094.
- Wilson, Fergus F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Matrix-punching mechanism. No. 1,119,559; Dec. 1; Gaz. vol. 209; p. 228.
- Wilson, Frank E., Lancaster, Ohio. Game-board. No. 1,106,530; Aug. 11; Gaz. vol. 205; p. 373.
- Wilson, Frank G., Crawfordsville, assignor to C. C. Bird, Marion, Ark. Nail-extractor. No. 1,114,837; Oct. 27; Gaz. vol. 207; p. 985.
- Wilson, Frank L., and S. E. Bretherton, Berkeley, Cal. Precipitation of zinc. No. 1,083,785; Jan. 6; Gaz. vol. 198; p. 173.
- Wilson, Frank T., Stillwater, Minn. Screen. No. 1,089,611; Mar. 10; Gaz. vol. 200; p. 369.
- Wilson, Fred A. (See Norton and Wilson.)
- Wilson, George, Merrill, Oreg. Knob-lock. No. 1,090,772; Mar. 17; Gaz. vol. 200; p. 808.
- Wilson, George, assignor to Emerson-Brantingham Company, Rockford, Ill. Foot-lever. No. 1,086,111; Feb. 3; Gaz. vol. 199; p. 191.
- Wilson, George A., Jr., Boston, Mass. Automatic train-arrester and railway signal system. No. 1,119,740; Dec. 1; Gaz. vol. 209; p. 287.
- Wilson, George H., Louisville, Ky. Garment-supporter. No. 1,107,126; Aug. 11; Gaz. vol. 205; p. 579.
- Wilson, George H., Spokane, Wash. Preheater. No. 1,108,051; Aug. 18; Gaz. vol. 205; p. 955.
- Wilson, George W., Greenland, assignor of one-half to W. T. Fulton, Winslow, Ark. Sanitary cuff-protector. No. 1,089,612; Mar. 10; Gaz. vol. 200; p. 370.
- Wilson, Glen E., East Liverpool, Ohio. Hose-coupling. No. 1,113,080; Oct. 6; Gaz. vol. 207; p. 230.
- Wilson, Grafton M., and S. W. Everett, Dayton, Ohio. Adjustable window-shade bracket. No. 1,112,510; Oct. 6; Gaz. vol. 207; p. 34.
- Wilson, Grover C., Lexington, Ky. Copy-holder. No. 1,109,727; Sept. 8; Gaz. vol. 206; p. 349.
- Wilson, Hans L., Greensburg, Pa. Match-safe. No. 1,100,043; June 16; Gaz. vol. 203; p. 654.
- Wilson, Harry, assignor to Pacific Kelp Co., San Francisco, Cal. Obtaining potash salts from kelp. No. 1,087,477; Feb. 17; Gaz. vol. 199; p. 758.
- Wilson, Harry, assignor to Pacific Kelp Co., San Francisco, Cal. Drier. No. 1,087,478; Feb. 17; Gaz. vol. 199; p. 758.

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- Wilson, Harry, assignor to Pacific Kelp Company, San Francisco, Cal. Kelp reduction. No. 1,116,965; Nov. 10; Gaz. vol. 208; p. 561.
- Wilson, Harry A. (See Knapp, Sewell A., assignor.)
- Wilson, Harry L., Cleveland, Ohio, assignor, by mesne assignments, to The Lamson Company, Boston, Mass. Store-service apparatus. No. 1,085,777; Feb. 3; Gaz. vol. 199; p. 72.
- Wilson, Henry, Ludlow, Mass. Braking mechanism. No. 1,118,833; Nov. 24; Gaz. vol. 208; p. 1292.
- Wilson, Herbert S., St. Louis, Mo. Paper receptacle. No. 1,100,809; June 23; Gaz. vol. 203; p. 971.
- Wilson, Herbert S., Chicago, Ill. Carbureter. No. 1,116,861; Nov. 10; Gaz. vol. 208; p. 526.
- Wilson, Herbert S., assignor of two-thirds to W. R. Sinks, Chicago, Ill. Liquid-feeding governor. No. 1,114,213; Oct. 20; Gaz. vol. 207; p. 713.
- Wilson, Hiram. (See Martin, William H., assignor.)
- Wilson, Hugh, Buffalo, N. Y. Thrust-bearing for propeller-shafts of ships. No. 1,094,620; Apr. 28; Gaz. vol. 201; p. 983.
- Wilson, Isaac A., Seattle, Wash. Adjustable wainscot-marker. No. 1,096,776; May 12; Gaz. vol. 202; p. 579.
- Wilson, James, Brisbane, Queensland, Australia. Valve mechanism. No. 1,084,992; Jan. 20; Gaz. vol. 198; p. 635.
- Wilson, James C., Belchertown, Mass. Sectional pneumatic tire. No. 1,093,672; Apr. 21; Gaz. vol. 201; p. 604.
- Wilson, James C., Milwaukee, Wis. Pompon-making machine. No. 1,094,042; Apr. 21; Gaz. vol. 201; p. 726.
- Wilson, James M., Minot, N. D. Stovepipe-anchor. No. 1,122,832; Dec. 29; Gaz. vol. 209; p. 1527.
- Wilson, John A., Fort Wayne, Ind. Paper-clip. No. 1,086,258; Feb. 3; Gaz. vol. 199; p. 239.
- Wilson, John A., assignor of one-half to G. Moore, Detroit, Mich. Valve. No. 1,093,514; Apr. 14; Gaz. vol. 201; p. 508.
- Wilson, John C., and J. E. Quick, Coquille, Oreg. Sluice-box. No. 1,085,516; Jan. 27; Gaz. vol. 198; p. 851.
- Wilson, John E., assignor of one-half to G. W. Green, Pen Argyle, Pa. Saw-guide. No. 1,121,217; Dec. 15; Gaz. vol. 209; p. 891.
- Wilson, John M., Brooklyn, N. Y. Railway-track. No. 1,118,251; Nov. 24; Gaz. vol. 208; p. 1089.
- Wilson, John P. (See Seelye, William F., assignor.)
- Wilson, John W., Dorsey, Miss. Garbage-receptacle. No. 1,090,364; Mar. 17; Gaz. vol. 200; p. 670.
- Wilson, John W., Boston, Mass. Flying-machine. No. 1,091,555; Mar. 31; Gaz. vol. 200; p. 1151.
- Wilson, Joseph W., Northampton, England. Sewing-machine for boots and shoes. No. 1,110,024; Sept. 8; Gaz. vol. 206; p. 454.
- Wilson, Kenneth M. (See Barrett and Wilson.)
- Wilson, Lee H., Westgate, Cal. Feed-gage. No. 1,105,011; July 28; Gaz. vol. 204; p. 1103.
- Wilson, Leonard B., Bellevue, Pa. Collapsible carton or box. No. 1,083,512; Jan. 6; Gaz. vol. 198; p. 83.
- Wilson, Leonard B., assignor of one-half to D. W. Zeber, Bellevue, Pa. Packing. No. 1,088,645; Feb. 24; Gaz. vol. 199; p. 1201.
- Wilson, Leonard P., Coventry, assignor to Courtaulds Limited, London, England. Regeneration of sulfids of the alkalis or alkaline earths. No. 1,106,266; Aug. 4; Gaz. vol. 205; p. 235.
- Wilson, Lewis H., Ihlen, Minn. Reserve-tank for liquid-containers. No. 1,116,778; Nov. 10; Gaz. vol. 208; p. 496.
- Wilson, Lyman G. (See Williams and Wilson.)
- Wilson, Odell, Lakewood, Ohio. Antifriction roller-bearing. No. 1,111,550; Sept. 22; Gaz. vol. 206; p. 1071.
- Wilson, Paul. (See Wilson, Thomas, assignor.)
- Wilson, Richard T., assignor of one-half to A. Johnson, Hastings, Mich. Artificial bait. No. 1,084,517; Jan. 13; Gaz. vol. 198; p. 445.
- Wilson, Robert, Deep Gold Mine, Johannesburg, Transvaal, South Africa. Valve. No. 1,111,244; Sept. 22; Gaz. vol. 206; p. 967.
- Wilson, Robert J., Beaver Hills, Saskatchewan, Canada. Tractor-plow. No. 1,092,086; Mar. 31; Gaz. vol. 200; p. 1332.
- Wilson, Robert N., Colegrove, Pa. Rail-brace. No. 1,106,432; Aug. 11; Gaz. vol. 205; p. 336.
- Wilson, Robert Q., assignor of one-half to W. Ellis, Centerville, Iowa. Street-register for cars. No. 1,114,324; Oct. 20; Gaz. vol. 207; p. 751.
- Wilson, Thomas, Marlette, Mich. Machine for washing beans, &c. No. 1,109,728; Sept. 8; Gaz. vol. 206; p. 349.
- Wilson, Thomas, assignor of one-half to P. Wilson, Seattle, Wash. Incubator. No. 1,093,231; Apr. 14; Gaz. vol. 201; p. 415.
- Wilson, Thomas C., Harms, Tenn. Combined seed-planter and fertilizer-distributor. No. 1,099,782; June 9; Gaz. vol. 203; p. 527.
- Wilson, Thomas F., Providence, R. I. Bracket for license-plates. No. 1,093,515; Apr. 14; Gaz. vol. 201; p. 508.
- Wilson, Thomas F., Cranston, R. I. Crank-retaining device. No. 1,118,167; Nov. 24; Gaz. vol. 208; p. 1060.
- Wilson, Walter R., Pittsburgh, Pa. Nut-lock. No. 1,089,175; Mar. 3; Gaz. vol. 200; p. 174.
- Wilson, Walter R., Oakland, Cal. Coop. No. 1,106,267; Aug. 4; Gaz. vol. 205; p. 235.
- Wilson, Wesley D., Cordele, Ga. Automatic weighing apparatus. No. 1,093,673; Apr. 21; Gaz. vol. 201; p. 605.
- Wilson, William H. (See Morrison, Eben H., assignor.)
- Wilson, William H., St. Paul, Minn. Lateral-motion car-truck. No. 1,085,655; Feb. 3; Gaz. vol. 199; p. 26.
- Wilson, William H., St. Paul, Minn. Lateral-motion car-truck. No. 1,117,294; Nov. 17; Gaz. vol. 208; p. 716.
- Wilson, William H., New Bedford, Mass. Loom-shuttle. No. 1,086,970; Feb. 10; Gaz. vol. 199; p. 530.
- Winch, William O. (See Chiniquy and Winch.)
- Wilson, William R. (See Jaros and Wilson.)
- Wilson, William R., Yonkers, assignor to Alberger Condenser Company, New York, N. Y. Centrifugal turbine, or similar pump. No. 1,094,181; Apr. 21; Gaz. vol. 201; p. 775.
- Wilson, William R., Yonkers, assignor to Alberger Pump and Condenser Company, New York, N. Y. Cooling-tower. No. 1,098,002; May 26; Gaz. vol. 202; p. 1099.
- Wilson, William S., Baltimore, Md. Base-ball game. No. 1,118,323; Nov. 24; Gaz. vol. 208; p. 1115.
- Wilson, William W., Los Angeles, Cal. Mechanical movement. No. 1,104,462; July 21; Gaz. vol. 204; p. 860.
- Wilson, William W., Dorchester, Mass. Column-mold. No. 1,109,810; Sept. 8; Gaz. vol. 206; p. 376.
- Wilson, William W., Boston, Mass. Centering-form for concrete construction. No. 1,118,168; Nov. 24; Gaz. vol. 208; p. 1060.
- Wilson, Wyle T., Philadelphia, Pa. Cloth-board made of pulp material. No. 1,112,957; Oct. 6; Gaz. vol. 207; p. 190.
- Wilson, Wyle T., Philadelphia, Pa. Rectangular container for incandescent mantles. No. 1,117,538; Nov. 17; Gaz. vol. 208; p. 801.
- Wilt, Abram D., Jr., Detroit, Mich. Steering-reach rod. No. 1,117,123; Nov. 10; Gaz. vol. 208; p. 615.
- Wilt, Dorah W., University Place, Nebr. Combination-lock. No. 1,118,252; Nov. 24; Gaz. vol. 208; p. 1089.
- Wilt, Dorah W., University Place, Nebr. Combination locking device for transmissions of automobiles. No. 1,118,253; Nov. 24; Gaz. vol. 208; p. 1090.
- Wilton, Ralph P. (See Long, Theodore E., assignor.)
- Wilton, Ralph P., Wrightsville, Pa. Dispensing apparatus. No. 1,102,377; July 7; Gaz. vol. 204; p. 53.
- Wiltse, Arthur D., Patchogue, N. Y. Waterproof concrete building-block. No. 1,115,266; Oct. 27; Gaz. vol. 207; p. 1137.
- Wiltse, Orris E. (See Cooney and Wiltse.)
- Wiltse, Spencer A., Erie, Pa., assignor, by mesne assignments, to Copeman Electric Stove Company, Flint, Mich. Toaster. No. 1,105,230; July 28; Gaz. vol. 204; p. 1180.
- Wilzin, Arthur, St.-Ouen, France. Manufacture of flatware blanks. No. 1,091,415; Mar. 24; Gaz. vol. 200; p. 1058.
- Wilzin, Arthur, St.-Ouen, France. Manufacture of blanks such as are used in the manufacture of forks, spoons, handles, and similar articles. No. 1,098,071; May 26; Gaz. vol. 202; p. 1124.
- Wilzin, Arthur, St. Ouen, France, assignor to E. W. Bliss Company, Brooklyn, N. Y. Feed-controlling mechanism for punching-presses. No. 1,121,883; Dec. 22; Gaz. vol. 209; p. 1159.
- Wimmer, Josef. (See Baum and Wimmer.)
- Wimperis, Herbert A. (See Sorensen and Wimperis.)
- Winans, Benjamin C., Livingston, N. J. Box-carrier. No. 1,113,393; Oct. 13; Gaz. vol. 207; p. 386.
- Winans, Daniel M., assignor of one-fourth to N. A. Boyd, Binghamton, N. Y. Phonograph stop device. No. 1,084,993; Jan. 20; Gaz. vol. 198; p. 636.
- Winans, Daniel M., assignor to Winans Machine Co., Binghamton, N. Y. Clothes-line tightener. No. 1,103,722; July 14; Gaz. vol. 204; p. 570.
- Winans Machine Co. (See Winans, Daniel M., assignor.)
- Winans, Milton E., Newark, N. J., assignor to Western Electric Company, New York, N. Y. Safety device for power-presses. No. 1,092,467; Apr. 7; Gaz. vol. 201; p. 119.
- Winans, Milton E., Newark, N. J., assignor to Oxweld Acetylene Company, Chicago, Ill. Sparking igniter. No. 1,104,092; July 21; Gaz. vol. 204; p. 738.
- Winans, Wesley G., Cleveland, Ohio. Device for securing carpets to stairs. No. 1,093,674; Apr. 21; Gaz. vol. 201; p. 605.
- Winberg, Anders W., assignor of one-third to F. B. Brown and one-third to W. F. Curry, San Jose, Cal. Nut-lock. No. 1,091,177; Mar. 24; Gaz. vol. 200; p. 982.
- Winbourn, Robert E., *et al.* (See Johnson, Harvey A., assignor.)
- Winch, William O. (See Chiniquy and Winch.)
- Winchester, Benjamin T., Windsor Hills, assignor, by mesne assignments, to Sharp and Dohme, Baltimore, Md. Capsule-holder. No. 1,092,318; Apr. 7; Gaz. vol. 201; p. 68.
- Winchester, Benjamin T., Windsor Hills, assignor, by mesne assignments, to Sharp and Dohme, Baltimore, Md. Capsule-filling machine. No. 1,092,319; Apr. 7; Gaz. vol. 201; p. 69.

Alphabetical list of patentees—Continued.

- Winchester, Benjamin T., Windsor Hills, assignor, by mesne assignments, to Sharp and Dohme, Baltimore, Md. Capsule-machine. No. 1,114,325; Oct. 20; Gaz. vol. 207; p. 752.
- Winchester, Benjamin T., Windsor Hills, assignor, by mesne assignments, to Sharp and Dohme, Baltimore, Md. Capsule-cutting machine. No. 1,118,610; Nov. 24; Gaz. vol. 208; p. 1218.
- Winchester, Fred E., Thermopolis, Wyo. Sweep for presses. No. 1,111,932; Sept. 29; Gaz. vol. 206; p. 1243.
- Winchester Repeating Arms Co. (See Buell, William H., assignor.)
- Winchester Repeating Arms Co. (See Johnson, Thomas C., assignor.)
- Winchester Repeating Arms Co. (See Keen, Eliot, assignor.)
- Winchester Repeating Arms Co. (See Starkweather, Henry W., assignor.)
- Winchester Repeating Arms Co. (See Stevenson, Charles H., assignor.)
- Wincrantz, John S., assignor to S. S. Newman, Pittsburgh, Pa. Twist-drill-grinding attachment. No. 1,106,692; Aug. 11; Gaz. vol. 205; p. 431.
- Wincrantz, John S., assignor to S. S. Newman, Pittsburgh, Pa. Flat-drill-grinding apparatus. No. 1,110,366; Sept. 15; Gaz. vol. 206; p. 616.
- Wincrantz, John S., assignor to S. S. Newman, Pittsburgh, Pa. Grinding-machine attachment. No. 1,113,394; Oct. 13; Gaz. vol. 207; p. 386.
- Windberg, Nickolaus J. (See Schulde and Windberg.)
- Windeler, George E. (See Day and Windeler.)
- Windeler, George E. (See Day and Windeler.) (Reissue.)
- Windell, Frank D., Philadelphia, assignor of one-half to H. L. Williams, Pittsburgh, Pa. Thermohumidity control. No. 1,113,724; Oct. 13; Gaz. vol. 207; p. 501.
- Winden, Andrew, Madelia, Minn. Automobile lamp and license-panel holder. No. 1,112,958; Oct. 6; Gaz. vol. 207; p. 190.
- Winder, Samuel E., Waltham, assignor to A. P. Williams, West Upton, Mass. Method and apparatus for baking. No. 1,097,576; May 19; Gaz. vol. 202; p. 901.
- Winder, Samuel E., Waltham, assignor to A. P. Williams, West Upton, Mass. Machine for baking pastry cones. No. 1,119,918; Dec. 8; Gaz. vol. 209; p. 386.
- Windham, Francis, London, England. Safety-razor. No. 1,104,857; July 28; Gaz. vol. 204; p. 1051.
- Winding, Arthur, and F. W. Gezelschap, Milwaukee, Wis. Building material and making same. No. 1,092,320; Apr. 7; Gaz. vol. 201; p. 69.
- Windisch, William J., North Braddock, Pa. Journal-bearing. No. 1,118,457; Nov. 24; Gaz. vol. 208; p. 1165.
- Windle, Edward P., Independence, Kans. Clamping device for deep-well-drilling tools. No. 1,089,302; Mar. 3; Gaz. vol. 200; p. 214.
- Windom, Elias L. (See Molina, Louis G., assignor.)
- Windsor, Otto F. (See Parr, Albert, assignor.)
- Window Glass Machine Company. (See Maynard, Oliver E., assignor.)
- Window Glass Machine Company. (See Murphy, John, assignor.)
- Window Glass Machine Company. (See Roadman, John H., assignor.)
- Window Glass Machine Company. (See Roadman and Dravo, assignors.)
- Wine, William E., Toledo, Ohio. Hand-brake mechanism. No. 1,099,528; June 9; Gaz. vol. 203; p. 441.
- Wine, William E., Wilmington, N. C. Side bearing for railway-cars. No. 1,114,214; Oct. 20; Gaz. vol. 207; p. 713.
- Wineapple, Charles, *et al.* (See Martin, William, assignor.)
- Wineapple, Morris, *et al.* (See Martin, William, assignor.)
- Winegar, William B., Hannibal, Mo. Combination-chair. No. 1,091,994; Mar. 31; Gaz. vol. 200; p. 1302.
- Winfrey, Paul, *et al.* (See Hale, William H., assignor.)
- Wing, Frederick K., Buffalo, N. Y. Dam. No. 1,118,458; Nov. 24; Gaz. vol. 208; p. 1165.
- Wing, Harvey T., Revere, Mass. Camera. No. 1,084,687; Jan. 20; Gaz. vol. 198; p. 533.
- Wing, Roy E., Detroit, Mich. Lighter. No. 1,098,604; June 2; Gaz. vol. 203; p. 86.
- Wing, Roy E., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,118,988; Dec. 1; Gaz. vol. 209; p. 30.
- Wingert, John W., Wichita, Kans. Top. No. 1,109,562; Sept. 1; Gaz. vol. 206; p. 246.
- Winget, Jasper S., York, Pa. Cigar-maker's tool. No. 1,113,272; Oct. 13; Gaz. vol. 207; p. 342.
- Wingo, Richard T., Detroit, Mich., assignor, by mesne assignments, to Detroit Tractor Company, Lafayette, Ind. Motion-converting device. No. 1,112,747; Oct. 6; Gaz. vol. 207; p. 120.
- Winkelmeyer, John, Anderson, assignor to Specialty Manufacturing Company, Greenfield, Ind. Computing cheese-cutter. No. 1,108,297; Aug. 25; Gaz. vol. 205; p. 1090.
- Winkler, Carl, Berne, Switzerland. Producing molds for casting stereotype-plates. No. 1,104,595; July 21; Gaz. vol. 204; p. 913.
- Winkler, Frederick G., assignor, by mesne assignments, to B. J. Burns and C. A. Cutler, Buffalo, N. Y. Spring. No. 1,096,582; May 12; Gaz. vol. 202; p. 514.
- Winkler, John, Philadelphia, Pa. Safety-cock. No. 1,089,098; Mar. 3; Gaz. vol. 200; p. 145.
- Winkler, Otto, Cöpenick, Germany, assignor to General Electric Company. Mixture-regulator. No. 1,086,112; Feb. 3; Gaz. vol. 199; p. 192.
- Winkler, Otto, Cöpenick, Germany, assignor to General Electric Company. Cooling device for revolving motors. No. 1,114,564; Oct. 20; Gaz. vol. 207; p. 837.
- Winkler, Otto, Cöpenick, Germany, assignor to General Electric Company. Self-leveling carbureter. No. 1,118,459; Nov. 24; Gaz. vol. 208; p. 1165.
- Winkley, Erastus E., Lynn, Mass. Treering-machine. No. 1,086,496; Feb. 10; Gaz. vol. 199; p. 365.
- Winkley, Erastus E., Lynn, Mass. Automatic shoe-machine. No. 1,088,590; Feb. 24; Gaz. vol. 199; p. 1113.
- Winkley, Erastus E., Lynn, Mass. Sewing-machine. No. 1,091,101; Mar. 24; Gaz. vol. 200; p. 955.
- Winkley, Erastus E., Lynn, Mass. Machine for operating on shoes. No. 1,092,619; Apr. 7; Gaz. vol. 201; p. 171.
- Winkley, Erastus E., Lynn, Mass. Sole-machine. No. 1,101,603; June 30; Gaz. vol. 203; p. 1297.
- Winkley, Erastus E., Lynn, Mass. Machine for operating on shoe-heels. No. 1,102,310; July 7; Gaz. vol. 204; p. 31.
- Winkley, Erastus E., Lynn, Mass. Machine for operating on shoe-heels. No. 1,102,311; July 7; Gaz. vol. 204; p. 31.
- Winkley, Erastus E., Lynn, Mass. Controlling mechanism for automatic machines. No. 1,110,662; Sept. 15; Gaz. vol. 206; p. 722.
- Winkley, Erastus E., Lynn, Mass. Cutting-machine. No. 1,118,460; Nov. 24; Gaz. vol. 208; p. 1165.
- Winkley, Erastus E., Lynn, Mass. Making wedge-heel blocks. No. 1,121,703; Dec. 22; Gaz. vol. 209; p. 1095.
- Winkley, Erastus E., Lynn, Mass. Heel-forming block. No. 1,121,704; Dec. 22; Gaz. vol. 209; p. 1096.
- Winkley, Erastus E., Lynn, Mass. Cutting-machine. No. 1,122,561; Dec. 29; Gaz. vol. 209; p. 1430.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-leveling machine. No. 1,104,235; July 21; Gaz. vol. 204; p. 786.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-leveling machine. No. 1,110,663; Sept. 15; Gaz. vol. 206; p. 722.
- Winkley, Erastus E., and J. C. Smith, Lynn, Mass. Making heels. No. 1,121,702; Dec. 22; Gaz. vol. 209; p. 1095.
- Winks, John O., San Francisco, Cal. Automatic firearm. No. 1,104,947; July 28; Gaz. vol. 204; p. 1082.
- Winks, Walter H., Baltimore, Md. Engine-starting device. No. 1,106,268; Aug. 4; Gaz. vol. 205; p. 235.
- Winn, Charles S., Rockford, Ill. Ladder step and bracket. No. 1,112,511; Oct. 6; Gaz. vol. 207; p. 34.
- Winn, Chester B., Buffalo, N. Y. Knee-joint for artificial legs. No. 1,115,361; Oct. 27; Gaz. vol. 207; p. 1168.
- Winn, David J., Sumter, S. C. Bale-tie. No. 1,095,482; May 5; Gaz. vol. 202; p. 107.
- Winn, David J., Sumter, S. C. Wire grip and lock. No. 1,095,483; May 5; Gaz. vol. 202; p. 107.
- Winn, J. P. (See Neel, James L., assignor.)
- Winn, Martin L., Russellville, Ark. Automatic train-control system. No. 1,113,273; Oct. 13; Gaz. vol. 207; p. 343.
- Winn, Richard T., Cliftondale, assignor to J. W. Leslie, Chelsea, Mass. Apparatus for tempering blades. No. 1,121,884; Dec. 22; Gaz. vol. 209; p. 1160.
- Winner, Levi P., Grove City, Pa. Elevator-lock. No. 1,084,994; Jan. 20; Gaz. vol. 198; p. 637.
- Winnie, Albert, Traverse City, Mich. Artificial bait. No. 1,102,312; July 7; Gaz. vol. 204; p. 32.
- Winona Wagon Company. (See Wyman, Alton L., assignor.)
- Winship, Albert W., Utica, N. Y. Wardrobe-trunk. No. 1,096,979; May 19; Gaz. vol. 202; p. 695.
- Winship, Albert W., Utica, N. Y. Trunk. No. 1,115,362; Oct. 27; Gaz. vol. 207; p. 1168.
- Winship, Walter E., New York, N. Y., assignor to Gould Storage Battery Company. Battery. No. 1,106,125; Aug. 4; Gaz. vol. 205; p. 190.
- Winslow Brothers Company, The. (See Winslow, Francis A., assignor.)
- Winslow, Edward F., *et al.* (See Munson, John G., assignor.)
- Winslow, Elbert R., Kearney, Nebr. Egg-tray. No. 1,088,504; Feb. 24; Gaz. vol. 199; p. 1155.
- Winslow, Elbert R., Kearney, Nebr. Egg-tester. No. 1,088,505; Feb. 24; Gaz. vol. 199; p. 1156.
- Winslow, Francis A., assignor to The Winslow Brothers Company, Chicago, Ill. Stair. No. 1,096,086; May 12; Gaz. vol. 202; p. 347.
- Winslow, Francis A., assignor to The Winslow Brothers Company, Chicago, Ill. Door construction. No. 1,099,415; June 9; Gaz. vol. 203; p. 403.
- Winslow, George W., Chicago, Ill. Wave-motor. No. 1,123,054; Dec. 29; Gaz. vol. 209; p. 1605.
- Winslow, Lenna R., Chicago, Ill., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Voting-machine. No. 1,095,689; May 5; Gaz. vol. 202; p. 176.

Alphabetical list of patentees—Continued.

- Winslow, Sidney W. (See Holmes, Charles P., assignor.)
- Winslow, Thomas N., Greensboro, N. C. Triple-leaf ledger. No. 1,103,554; July 14; Gaz. vol. 204; p. 508.
- Winslow, William H., assignor to The Steam Power Devices Company, Chicago, Ill. Boiler. No. 1,109,729; Sept. 8; Gaz. vol. 206; p. 350.
- Winsor, Harold L., Butler, Mo. Hay sling or fork return. No. 1,100,858; June 23; Gaz. vol. 203; p. 988.
- Winstead, Charles E., Wilson, N. C. Line holder and stretcher. No. 1,094,286; Apr. 21; Gaz. vol. 201; p. 808.
- Winston, Charles S., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 1,108,482; Aug. 25; Gaz. vol. 205; p. 1153.
- Winston, Charles S., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 1,111,876; Sept. 29; Gaz. vol. 206; p. 1225.
- Winston, Charles S., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone trunking system. No. 1,113,274; Oct. 13; Gaz. vol. 207; p. 343.
- Winston, Charles S., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone system. No. 1,113,395; Oct. 13; Gaz. vol. 207; p. 386.
- Winston, William J., assignor to Mitts & Merrill, Saginaw, Mich. Clamping device for key-seating machines. No. 1,111,203; Sept. 22; Gaz. vol. 206; p. 954.
- Winter, Albert, assignor to P. Fehrentz, Birmingham, Ala. Razor-sharpening machine. No. 1,102,706; July 7; Gaz. vol. 204; p. 169.
- Winter & Co. (See Sampere, Jose, assignor.)
- Winter, Courtney P., and D. A. Rosenthal, assignors to Aaron Peters' Laboratories, Inc., Washington, D. C. Paper-towel holder. No. 1,122,672; Dec. 29; Gaz. vol. 209; p. 1470.
- Winter, Courtney P., and D. A. Rosenthal, assignors to Aaron Peters' Laboratories, Inc., Washington, D. C. Paper-towel holder. No. 1,122,673; Dec. 29; Gaz. vol. 209; p. 1471.
- Winter, Courtney P., and D. A. Rosenthal, assignors to Aaron Peters' Laboratories, Inc., Washington, D. C. Paper-towel holder. No. 1,122,674; Dec. 29; Gaz. vol. 209; p. 1471.
- Winter, Edgar T., Des Moines, Iowa. Acetylene-gas generator. No. 1,108,960; Sept. 1; Gaz. vol. 206; p. 36.
- Winter, Frederic, New York, N. Y. Signal-alarm. No. 1,099,480; June 9; Gaz. vol. 203; p. 424.
- Winter, Frederick W., San Francisco, Cal. Pneumatic piano-player. No. 1,114,421; Oct. 20; Gaz. vol. 207; p. 787.
- Winter, Henry W., Methuen, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Channeling-machine. No. 1,115,046; Oct. 27; Gaz. vol. 207; p. 1059.
- Winter, Henry W., Methuen, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Grinding or polishing machine. No. 1,115,640; Nov. 3; Gaz. vol. 208; p. 59.
- Winter, Hiram B., Clarksburg, W. Va. Goods-handling device. No. 1,109,730; Sept. 8; Gaz. vol. 206; p. 350.
- Winter, John, Goshen, Ind. Separable fastener. No. 1,105,738; Aug. 4; Gaz. vol. 205; p. 54.
- Winter, Rudolph G., Milwaukee, Wis. Hinge. No. 1,108,298; Aug. 25; Gaz. vol. 205; p. 1090.
- Winterhalter, Hermann R. von, Klosterneuburg, near Vienna, Austria-Hungary. Geodetical universal instrument. No. 1,114,422; Oct. 20; Gaz. vol. 207; p. 787.
- Winterhalter, George L. and H. E., Canton, Ohio. Display device or badge. No. 1,093,516; Apr. 14; Gaz. vol. 201; p. 508.
- Winterhalter, Howard E. (See Winterhalter, George L. and H. E.)
- Winternitz, Charles M. (See Maurer, John H., assignor.)
- Winters, Warren B., Stephenville, Tex. Word-meter for type-writers. No. 1,086,694; Feb. 10; Gaz. vol. 199; p. 434.
- Winters, Warren B., Stephenville, Tex. Meter for type-writers. No. 1,114,838; Oct. 27; Gaz. vol. 207; p. 985.
- Winters, William E., Oneida, N. Y. Lubricator. No. 1,096,658; May 12; Gaz. vol. 202; p. 541.
- Wintersteen, William R., Danville, Pa. Neck-yoke attachment. No. 1,093,091; Apr. 14; Gaz. vol. 201; p. 366.
- Winther, Adolf, A. L. Laska, A. Zitscher, F. Kunert, and E. Acker, Offenbach-on-the-Main, assignors to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Producing ice colors. No. 1,099,108; June 2; Gaz. vol. 203; p. 250.
- Winton, Alexander, Cleveland, Ohio. Lubricating system for automobile-engines. No. 1,090,773; Mar. 17; Gaz. vol. 200; p. 808.
- Winton, Alexander, Cleveland, Ohio. Fuel-supply system for automobiles. No. 1,095,763; May 5; Gaz. vol. 202; p. 202.
- Winton, Alexander, assignor to Winton Gas Engine and Manufacturing Company, Cleveland, Ohio. Carbureter. No. 1,096,482; May 12; Gaz. vol. 202; p. 482.
- Winton, Alexander, assignor to The Winton Gas Engine and Manufacturing Company, Cleveland, Ohio. Muffing system for explosion-engines. No. 1,096,583; May 12; Gaz. vol. 202; p. 515.
- Winton, Alexander, assignor to Winton Gas Engine and Manufacturing Company, Cleveland, Ohio. Fuel-governing mechanism for internal-combustion engines. No. 1,106,326; Aug. 4; Gaz. vol. 205; p. 255.
- Winton, Alexander, assignor to Winton Gas Engine and Manufacturing Company, Cleveland, Ohio. Self-starter. No. 1,113,852; Oct. 13; Gaz. vol. 207; p. 546.
- Winton, Alexander, assignor to Winton Gas Engine and Manufacturing Company, Cleveland, Ohio. Vaporizing device. No. 1,116,192; Nov. 3; Gaz. vol. 208; p. 247.
- Winton, Alexander, assignor to Winton Gas Engine and Manufacturing Company, Cleveland, Ohio. Internal-combustion engine. No. 1,117,738; Nov. 17; Gaz. vol. 208; p. 873.
- Winton, Alexander, assignor to Winton Gas Engine and Manufacturing Company, Cleveland, Ohio. Oil-cooler. No. 1,121,885; Dec. 22; Gaz. vol. 209; p. 1160.
- Winton, Alexander, and H. B. Anderson, assignors to The Winton Motor Carriage Company, Cleveland, Ohio. Transmission-controlling mechanism for motor-vehicles. No. 1,095,056; Apr. 28; Gaz. vol. 201; p. 1136.
- Winton, Alexander, and H. B. Anderson, assignors to The Winton Motor Carriage Company, Cleveland, Ohio. Transmission-controlling mechanism for motor-vehicles. No. 1,098,143; May 26; Gaz. vol. 202; p. 1146.
- Winton, Alexander, and H. B. Anderson, assignors to The Winton Motor Carriage Company, Cleveland, Ohio. Multiple-cylinder two-cycle explosive-engine. No. 1,101,895; June 30; Gaz. vol. 203; p. 1397.
- Winton, Alexander, and H. B. Anderson, assignors to The Winton Motor Carriage Company, Cleveland, Ohio. Universal joint and system of lubrication therefor. No. 1,106,325; Aug. 4; Gaz. vol. 205; p. 255.
- Winton, Alexander, and H. B. Anderson, assignors to The Winton Motor Carriage Company, Cleveland, Ohio. Signal device for automobiles. No. 1,108,052; Aug. 18; Gaz. vol. 205; p. 955.
- Winton, Alexander, and H. B. Anderson, assignors to The Winton Motor Carriage Company, Cleveland, Ohio. Starting mechanism for explosive-engines. No. 1,116,191; Nov. 3; Gaz. vol. 208; p. 247.
- Winton, Alexander, and H. B. Anderson, assignors to The Winton Motor Carriage Company, Cleveland, Ohio. Self-starter for internal-combustion engines. No. 1,117,739; Nov. 17; Gaz. vol. 208; p. 874.
- Winton Gas Engine and Manufacturing Company, The. (See Winton, Alexander, assignor.)
- Winton Motor Carriage Company, The. (See Winton and Anderson, assignors.)
- Winwood, George M., Jr., Springfield, Ohio. Seed-boot for seed-drills. No. 1,116,525; Nov. 10; Gaz. vol. 208; p. 404.
- Wiplitzhauser, August, New York, assignor to McLoughlin Brothers, Brooklyn, N. Y. Toy tent. No. 1,092,321; Apr. 7; Gaz. vol. 201; p. 69.
- Wippler, Joseph, New York, N. Y. Foot-arch. No. 1,120,430; Dec. 8; Gaz. vol. 209; p. 566.
- Wira, Samuel. (See De Matteis, John B., assignor.)
- Wire Fabric Machinery Company. (See Roop, William M., assignor.)
- Wire Fabric Machinery Company. (See Willits, Frederick E., assignor.)
- Wireless Specialty Apparatus Company. (See Pickard, Greenleaf W., assignor.)
- Wireless Vibrator Company. (See Dormont, Frank C., assignor.)
- Wirfs, Edward J., St. Louis, Mo. Door-fastener. No. 1,100,274; June 16; Gaz. vol. 203; p. 735.
- Wirsching, Louis, New York, N. Y. Veterinary surgeon's tool. No. 1,093,675; Apr. 21; Gaz. vol. 201; p. 606.
- Wirt, Paul E., Bloomsburg, Pa. Tire-body construction. No. 1,096,659; May 12; Gaz. vol. 202; p. 541.
- Wirth, William F., Omaha, Nebr. Lens. No. 1,118,719; Nov. 24; Gaz. vol. 208; p. 1256.
- Wirth, William M., St. Louis, Mo. Separable rim for automobile-wheels. No. 1,094,509; Apr. 28; Gaz. vol. 201; p. 944.
- Wirtz, Joseph C., New Castle, Pa. Vegetable-washing machine. No. 1,115,142; Oct. 27; Gaz. vol. 207; p. 1094.
- Wisconsin Barrel & Cooperage Co. (See Wilkes, Frank A., assignor.)
- Wisconsin Electric Company. (See Beach, Chester H., assignor.)
- Wisconsin Sanitary Cow-Milker Co. (See Moldenhauer, Otto A., assignor.)
- Wisconsin Stable Equipment Company. (See Moldenhauer and Edgerton, assignors.)
- Wise, Benjamin F., San Francisco, Cal. Means for supporting railway-rails. No. 1,083,647; Jan. 6; Gaz. vol. 198; p. 128.
- Wise, F. A., et al. (See Crooks, Earl G., assignor.)
- Wise, George A., assignor to The Early Sun Stove Company, Newark, Ohio. Gas-heater. No. 1,094,287; Apr. 21; Gaz. vol. 201; p. 808.
- Wise, Jeremiah O. (See Tweit and Wise.)
- Wise, John F., Onawa, Iowa. Filter. No. 1,110,852; Sept. 15; Gaz. vol. 206; p. 787.
- Wise Soda Apparatus Company, The. (See Wiechert, Frank T., assignor.)

Alphabetical list of patentees—Continued.

- Wise, William E., Williamsport, Pa. Combination sleigh and wheeled vehicle. No. 1,118,720; Nov. 24; Gaz. vol. 208; p. 1256.
- Wise, William G., Santa Clara, Cal. Emergency-wheel for vehicles. No. 1,118,611; Nov. 24; Gaz. vol. 208; p. 1218.
- Wiseman, George W. (See Webb and Wiseman.)
- Wiseman, Orrin G., and E. R. George, Des Moines, Iowa. Fountain-pen. No. 1,117,469; Nov. 17; Gaz. vol. 208; p. 778.
- Wiseman, Robert T. (See Wiseman, Thomas A., assignor.)
- Wiseman, Thomas A., assignor of one-half to R. T. Wiseman, Winchester, Tenn. Line-wire fastener. No. 1,100,859; June 23; Gaz. vol. 203; p. 988.
- Wishart, James M., Pasadena, Cal. Heating-stove. No. 1,121,440; Dec. 15; Gaz. vol. 209; p. 968.
- Wisher, John A. (See Walton, James C., assignor.)
- Wisniewski, Konstanty, Schenectady, N. Y. Pin-point shield. No. 1,100,111; June 16; Gaz. vol. 203; p. 678.
- Wisman, George E., Franklinton, N. C. Jeweler's tongs. No. 1,108,299; Aug. 25; Gaz. vol. 205; p. 1091.
- Wisner, Michael W., Doylestown, Pa. Collar-button. No. 1,093,752; Apr. 21; Gaz. vol. 201; p. 631.
- Wisner, Andrew J., Philadelphia, Pa. Air-brake. No. 1,091,416; Mar. 24; Gaz. vol. 200; p. 1058.
- Wisner, Eber H., Watertown, S. D. Type-writer. No. 1,098,542; June 2; Gaz. vol. 203; p. 65.
- Wisniewski, Vincent, assignor to Luftschiffsantrieb Gesellschaft mit beschränkter Haftung, Berlin, Germany. Shed for airships and the like. No. 1,101,372; June 23; Gaz. vol. 203; p. 1166.
- Wiss, Carl A., West Fort Dodge, Iowa. Door-hanger. No. 1,118,721; Nov. 24; Gaz. vol. 208; p. 1256.
- Wiss, Ernst, Griesheim, assignor to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Autogenous burner. No. 1,121,218; Dec. 15; Gaz. vol. 209; p. 891.
- Wissler, Adolph, St. Louis, Mo. Loose-leaf binder. No. 1,111,984; Sept. 29; Gaz. vol. 206; p. 1258.
- Wiswell, Frederick A., Oakland, Cal. Recovering precious metals. No. 1,120,175; Dec. 8; Gaz. vol. 209; p. 476.
- Wiswell, Frederick A., Oakland, Cal. Apparatus for recovering precious metals. No. 1,120,637; Dec. 8; Gaz. vol. 209; p. 640.
- Witham, George S., Sr., and I. J., Hudson Falls, N. Y., assignors to The Union Bag & Paper Company. Sheet-delivery apparatus. No. 1,086,741; Feb. 10; Gaz. vol. 199; p. 451.
- Witham, George S., Sr., Hudson Falls, and A. Roesch, New York, assignors to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y. Thermostatic regulation for heated rollers. No. 1,107,737; Aug. 18; Gaz. vol. 205; p. 847.
- Witham, Isaac J. (See Witham, George S., Sr., and I. J.)
- Withers, Newton, and C. Speidel, Richland Center, Wis. Spring-wheel. No. 1,086,497; Feb. 10; Gaz. vol. 199; p. 365.
- Witherspoon, Charles D. (See Plummer and Witherspoon.)
- Witherspoon, James W. (See Washington, Madison T. B., assignor.)
- Withnell, Edward W., Jud. N. D. Plow lifting or elevating mechanism. No. 1,106,766; Aug. 11; Gaz. vol. 205; p. 456.
- Withrow, James R. (See French and Withrow.)
- Withrow, Louis M., Billings, Mont. Shade-bracket. No. 1,115,997; Nov. 3; Gaz. vol. 208; p. 181.
- Withrow, Paul C. (See Bashaw, Cook, and Withrow.)
- Withrow, Stanley M., Wyoming, Ohio. Go-basket. No. 1,122,832; Dec. 29; Gaz. vol. 209; p. 1527.
- Withycombe, Robert M., Sydney, New South Wales, Australia. Artificial tooth. No. 1,105,476; July 28; Gaz. vol. 204; p. 1269.
- Witmer, Joel, assignor to Witmer Record Company, Kansas City, Mo. Follower-block for card-index trays. No. 1,114,662; Oct. 20; Gaz. vol. 207; p. 870.
- Witmer Record Company. (See Witmer, Joel, assignor.)
- Witmond, Christopher B. J., San Antonio, Tex., assignor of one-half to F. G. Blume, San Diego, Cal. Safety lamp-burner. No. 1,091,417; Mar. 24; Gaz. vol. 200; p. 1058.
- Witsaman, Clement L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Self-adjusting tire inner-tube protector. No. 1,096,980; May 19; Gaz. vol. 202; p. 696.
- Witsch, Bertha M., administratrix. (See Witsch, Nicholas.)
- Witsch, Nicholas, deceased, New York, N. Y.; B. M. Witsch, administratrix. Safety-bar for bank-vaults, prisons, &c. No. 1,094,043; Apr. 21; Gaz. vol. 201; p. 727.
- Witt, George C., Little Rock, Ark. Combination-truck. No. 1,116,779; Nov. 10; Gaz. vol. 208; p. 496.
- Witt, Harry L., Pittsburgh, Pa. Rat-trap. No. 1,095,613; May 5; Gaz. vol. 202; p. 151.
- Witt, Louise, Palo Alto, Cal. Hospital-bed appliance. No. 1,096,981; May 19; Gaz. vol. 202; p. 696.
- Witt, Otto N., Westend, near Berlin, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Stable nitrobenzene-diazonium derivatives. No. 1,093,567; Apr. 14; Gaz. vol. 201; p. 523.
- Witt, William H., Petersburg, Va. Tweezers for fishbones. No. 1,117,740; Nov. 17; Gaz. vol. 208; p. 874.
- Wittbecker, Frank G. (See Wittbecker, William A. and F. G.)
- Wittbecker, William A. and F. G., St. Paul, Minn. Roof-flashing insert. No. 1,091,611; Mar. 31; Gaz. vol. 200; p. 1170.
- Witte, August G. (See Heisler and Witte.)
- Witte, Paul, Decatur, Ill. Stage-screw. No. 1,103,723; July 14; Gaz. vol. 204; p. 570.
- Wittmann Brothers. (See Baach, John, Jr., assignor.)
- Wittmann, Jacob F., Lockwood, N. J., and R. W. Wittmann, Brooklyn, assignors to Amaranth Machinery and Supply Works, Inc., New York, N. Y. Apparatus for saturating liquids with gases. No. 1,117,539; Nov. 17; Gaz. vol. 208; p. 801.
- Wittmann, Rudolph A. (See Fitch, John F., assignor.)
- Wittmann, Rudolph W. (See Wittmann, Jacob F. and R. W.)
- Wittenburg, William J., Salmon, Idaho. Automatic hay-loader. No. 1,089,028; Mar. 3; Gaz. vol. 200; p. 121.
- Witter, Claude A., Burnham, Pa. Rolls for rolling steel wheels and wheel-centers. No. 1,112,959; Oct. 6; Gaz. vol. 207; p. 191.
- Witter, William S., Toledo, Iowa. Spark-plug. No. 1,092,322; Apr. 7; Gaz. vol. 201; p. 69.
- Witter, William S., Toledo, Iowa. Spark-plug. No. 1,104,159; July 21; Gaz. vol. 204; p. 759.
- Wittl, Raymond A., Chicago, Ill. Combined razor and strop. No. 1,090,823; Mar. 17; Gaz. vol. 200; p. 826.
- Wittler, Joseph F., assignor of one-half to A. P. Wurst, Fort Jennings, Ohio. Clod-pulverizer. No. 1,120,875; Dec. 15; Gaz. vol. 209; p. 771.
- Wittlinger, August K., New York, N. Y., assignor to Doehler Die Casting Company. Attachment for power-presses. No. 1,121,886; Dec. 22; Gaz. vol. 209; p. 1160.
- Wittman, William C. (See Smetana, Maximilian, assignor.)
- Wittmann, Adolph, St. Louis, Mo. Fire-kindler. No. 1,099,529; June 9; Gaz. vol. 203; p. 441.
- Wittmann, Jokshan F., St. Louis, Mo. Vehicle-fender. No. 1,087,521; Feb. 17; Gaz. vol. 199; p. 771.
- Witwer, Harvey O., deceased, New Hamburg, Ontario, Canada; J. Witwer, administrator. Train-pipe coupling. No. 1,102,206; June 30; Gaz. vol. 203; p. 1510.
- Witwer, John, administrator. (See Witwer, Harvey O.)
- Witz, Phillip, Minneapolis, Minn. Sign. No. 1,120,876; Dec. 15; Gaz. vol. 209; p. 772.
- Wiwl, Thomas R., and J. Fassett, Denver, Colo. Portable electric fan. No. 1,108,053; Aug. 18; Gaz. vol. 205; p. 956.
- Wixom, Joseph F., Hammondsport, N. Y. Metallic surfacing. No. 1,089,613; Mar. 10; Gaz. vol. 200; p. 370.
- Wizard Electric Lamp Company. (See McKay and Clausen, assignors.)
- Wizard Manufacturing Company, The. (See Sharpneck, Frank A., assignor.)
- Wly, Henry J., Mansfield, Ohio. Glass-cutter. No. 1,101,604; June 30; Gaz. vol. 203; p. 1298.
- Wm. E. Slaughter Co. (See Schwartz, Edward, assignor.)
- Wm. S. Haynes Co. (See Haynes, William S., assignor.)
- Wodtli, Gottlieb, Foster, Oreg. Nail-extractor. No. 1,105,946; Aug. 4; Gaz. vol. 205; p. 126.
- Wodtli, Gottlieb, Sweet Home, Oreg. Vertical mower. No. 1,108,536; Aug. 25; Gaz. vol. 205; p. 1172.
- Woehrle, Henriette B., Newark, N. J., assignor to The Singer Manufacturing Company. Sewing-machine ruffler. No. 1,118,254; Nov. 24; Gaz. vol. 208; p. 1090.
- Woelffel, Ernest H., assignor to West Virginia Malleable Iron Co., Point Pleasant, W. Va. Corner-bracket for bed-springs. No. 1,104,336; July 21; Gaz. vol. 204; p. 821.
- Woellert, Gustave J. F., Rockford, Ill. Cap-feeding machine. No. 1,106,607; Aug. 11; Gaz. vol. 205; p. 402.
- Woerheide, William H., Orange, N. J. Fastening-strip for prepared roofing. No. 1,101,896; June 30; Gaz. vol. 203; p. 1398.
- Woerner, Eugen, Cannstatt, assignor to Firm of R. Bosch, Stuttgart, Germany. Distributor for lubricating-pumps. No. 1,095,690; May 5; Gaz. vol. 202; p. 176.
- Woerner, Eugen, Cannstatt, assignor to Firm of R. Bosch, Stuttgart, Germany. Pump for lubricating systems. No. 1,099,229; June 9; Gaz. vol. 203; p. 338.
- Woerner, Eugen, Cannstatt, assignor to Firm of R. Bosch, Stuttgart, Germany. Speed-changing device. No. 1,103,335; July 14; Gaz. vol. 204; p. 435.
- Woerner, Leo, St. Louis, Mo. Steam-trap. No. 1,094,108; Apr. 21; Gaz. vol. 201; p. 750.
- Woernley, Harry F., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Yielding coupling-support. No. 1,090,185; Mar. 17; Gaz. vol. 200; p. 608.
- Woernley, Harry F., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic car and air coupling. No. 1,099,585; June 9; Gaz. vol. 203; p. 461.
- Woernley, Harry F., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Automatic car and pipe coupling. No. 1,108,300; Aug. 25; Gaz. vol. 205; p. 1091.
- Wofford, Thomas, et al. (See Widdup, William R., as signor.)

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- Wohl, Charles J., El Paso, Tex. Ticket-holder. No. 1,093,517; Apr. 14; Gaz. vol. 201; p. 508.
- Wohl, Maurice J., Brooklyn, and M. Mayer, New York, N. Y., assignors, by mesne assignments, to Panchromotion, Inc. Color photography. No. 1,122,455; Dec. 29; Gaz. vol. 209; p. 1393.
- Wohlander, Charles J., assignor of one-half to B. Armer, San Francisco, Cal. Sanitary attachment for toilet-bowls and the like. No. 1,091,265; Mar. 24; Gaz. vol. 200; p. 1012.
- Wohlberg, William H., assignor to Acme Electrottype Company, Chicago, Ill. Electrottype-trimming machine. No. 1,086,878; Feb. 10; Gaz. vol. 199; p. 500.
- Wohlenberg, Walter J., Urbana, Ill. Combination thrust-bearing and fluid seal. No. 1,122,051; Dec. 22; Gaz. vol. 209; p. 1219.
- Wohlrab, Paul B., Racine, Wis. Rotatable hoe or cutter. No. 1,114,839; Oct. 27; Gaz. vol. 207; p. 985.
- Woidich, Franz, Prague-Weinberge, Austria-Hungary. Process and apparatus for wood distillation. No. 1,092,620; Apr. 7; Gaz. vol. 201; p. 172.
- Wojcicki, Frank, Bayonne, N. J. Fan. No. 1,088,506; Feb. 24; Gaz. vol. 199; p. 1156.
- Wojciechowski, Stephen, Brooklyn, N. Y. Padlock. No. 1,116,526; Nov. 10; Gaz. vol. 208; p. 404.
- Wojdkow, Louis, Brooklyn, N. Y. Cooking utensil. No. 1,091,903; Mar. 31; Gaz. vol. 200; p. 1272.
- Wojdkow, Louis, assignor to New York Stamping Company, Brooklyn, N. Y. Coffee-pot handle. No. 1,090,808; Mar. 17; Gaz. vol. 200; p. 821.
- Wojdkow, Louis, assignor to New York Stamping Company, Brooklyn, N. Y. Percolator. No. 1,095,973; May 5; Gaz. vol. 202; p. 271.
- Wojtalewicz, John S., Chicago, Ill. Garment construction. No. 1,098,868; June 2; Gaz. vol. 203; p. 173.
- Wolcott, Darwin S. (See Blue, Charles E., assignor.) (Reissue.)
- Wolcott, Edson R., Chicago, Ill. Treatment of gases. No. 1,116,661; Nov. 10; Gaz. vol. 208; p. 455.
- Wolcott, Newton A., and W. C. Woodland, assignors to The Packard Electric Company, Warren, Ohio. Transformer. No. 1,091,995; Mar. 31; Gaz. vol. 200; p. 1303.
- Wolcott, Newton A., and W. C. Woodland, assignors to The Packard Electric Company, Warren, Ohio. Transformer. (Reissue.) No. 1,383,030; Nov. 17; Gaz. vol. 208; p. 953.
- Wolcott, Varanus A., Butte, Mont., assignor to General Electric Company. Synchronism-indicator. No. 1,091,722; Mar. 31; Gaz. vol. 200; p. 1208.
- Wold, Andrew, Spokane, Wash. Spool. No. 1,089,452; Mar. 10; Gaz. vol. 200; p. 313.
- Wolf, Aaron, New York, N. Y. Bedstead corner-fastening. No. 1,098,869; June 2; Gaz. vol. 203; p. 173.
- Wolf, Aaron, New York, N. Y. Corner-post fastening. No. 1,120,638; Dec. 8; Gaz. vol. 209; p. 641.
- Wolf, Aaron, assignor to F. Wolf, New York, N. Y. Support for garment-hangers. No. 1,093,232; Apr. 14; Gaz. vol. 201; p. 416.
- Wolf, Adam M., Plymouth, Wis. Spring-wheel. No. 1,095,257; May 5; Gaz. vol. 202; p. 28.
- Wolf, Albert J. L. (See Carman, William, assignor.)
- Wolf-Burckhardt, Franz, Biebrich, and W. Borchers, Aachen, assignors to Zirkonglas Gesellschaft m. b. H. Weissfrauenhof, Frankfurt-on-the-Main, Germany. Vitreous substance. No. 1,086,113; Feb. 3; Gaz. vol. 199; p. 192.
- Wolf, C. C., et al. (See Muehl, William F., assignor.)
- Wolf, Charles A., Philadelphia, Pa. Crotalin preparation. No. 1,092,550; Apr. 7; Gaz. vol. 201; p. 146.
- Wolf Co., The. (See Draver, Emil R., assignor.)
- Wolf Company, The. (See White, Burton E., assignor.)
- Wolf, Emil, assignor Chinoín gyógyszer és vegyészeti termékek gyára r. t. /Dr. Kereszty és Dr. Wolf/, Uapest, Austria-Hungary. Manufacture of aliphatic alkyl sulfates. No. 1,101,373; June 23; Gaz. vol. 203; p. 1166.
- Wolf, Fannie. (See Wolf, Aaron, assignor.)
- Wolf, Florence E. (See Lyon, Charles D., assignor.)
- Wolf, Frank. (See Klink, Adenauer, and Wolf.)
- Wolf, Frank M., and R. M. Austin, Monroe, Wis. Telephone system. No. 1,084,189; Jan. 13; Gaz. vol. 198; p. 340.
- Wolf, Fred A., assignor of one-half to J. M. Wenzel, Reading, Pa. Suction washing device. No. 1,115,047; Oct. 27; Gaz. vol. 207; p. 1060.
- Wolf, Frederick W., Chicago, Ill. Nut-lock. No. 1,102,840; July 7; Gaz. vol. 204; p. 216.
- Wolf, G. m. b. H., Georg. (See Wolf, Georg, assignor.)
- Wolf, Georg, assignor to Firm of G. Wolf, G. m. b. H., Berlin, Germany. Medical appliance. No. 1,089,805; Mar. 10; Gaz. vol. 200; p. 435.
- Wolf, George W., Rockford, Ohio. Operating device for split wheel-rims. No. 1,111,933; Sept. 29; Gaz. vol. 206; p. 1243.
- Wolf, Gustav, New York, N. Y. Damper. No. 1,103,724; July 14; Gaz. vol. 204; p. 571.
- Wolf, Gustav B., Smithville, Tex. Air-brake. No. 1,083,971; Jan. 13; Gaz. vol. 198; p. 265.
- Wolf, Gustav B., San Antonio, Tex. Air-brake. No. 1,118,520; Nov. 24; Gaz. vol. 208; p. 1186.
- Wolf, Hans. (See Bosch, Mittasch, Wolf, and Stern.)
- Wolf, Hans, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing oxides of nitrogen. No. 1,094,182; Apr. 21; Gaz. vol. 201; p. 775.
- Wolf, Harry E., Webster Groves, Mo. Gas-regulating valve. No. 1,101,225; June 23; Gaz. vol. 203; p. 1117.
- Wolf, Harvey G., Covington, Ky. Photographic-printing frame. No. 1,090,090; Mar. 10; Gaz. vol. 200; p. 533.
- Wolf, Henry C., Catawissa, Pa. Window-screen. No. 1,099,003; June 2; Gaz. vol. 203; p. 219.
- Wolf, John, Carlisle, Pa. Rail chair and brace. No. 1,103,119; July 14; Gaz. vol. 204; p. 360.
- Wolf, Joseph A. F., Sidney, Nebr. Attachment for fastening watch-dials. No. 1,114,566; Oct. 20; Gaz. vol. 207; p. 838.
- Wolf, Joseph O., Clarkson, Nebr. Revolving tooth-barrow. No. 1,085,231; Jan. 27; Gaz. vol. 198; p. 755.
- Wolf, Lewis, McNabb, Ill. Carbureter. No. 1,120,352; Dec. 8; Gaz. vol. 209; p. 539.
- Wolf, Paul, Zwickau, Germany. Miner's and like electric safety-lamp. No. 1,100,336; June 16; Gaz. vol. 203; p. 756.
- Wolf, Robert B. (See Moore and Wolf.)
- Wolf, Robert B., Berlin, N. H., assignor to Burgess Sulphite Fibre Co., Portland, Me. Making sulfite liquor. No. 1,097,781; May 26; Gaz. vol. 202; p. 1020.
- Wolf, Robert B., Berlin, N. H., assignor to Burgess Sulphite Fibre Co., Portland, Me. Apparatus for making sulfite liquor. No. 1,097,782; May 26; Gaz. vol. 202; p. 1020.
- Wolf, Robert B., Berlin, N. H., assignor to Burgess Sulphite Fibre Co., Portland, Me. Blowing acid gases. No. 1,097,783; May 26; Gaz. vol. 202; p. 1021.
- Wolf, Robert B., Berlin, N. H., assignor to Burgess Sulphite Fibre Co., Portland, Me. Apparatus for blowing acid gas. No. 1,097,784; May 26; Gaz. vol. 202; p. 1021.
- Wolf, Robert B., Berlin, N. H., assignor to Burgess Sulphite Fibre Co., Portland, Me. Apparatus for making sulfite liquor. No. 1,097,785; May 26; Gaz. vol. 202; p. 1022.
- Wolf, Rudolf, Magdeburg-Buckau, Germany. Piston-valve for steam-engines. No. 1,092,967; Apr. 14; Gaz. vol. 201; p. 324.
- Wolf, Rudolf, Magdeburg-Buckau, Germany. Piston distributing-valve for compound steam-engines. No. 1,095,057; Apr. 28; Gaz. vol. 201; p. 1136.
- Wolf, Theodore, Chicago, Ill. Scraper and polisher. No. 1,119,989; Dec. 1; Gaz. vol. 209; p. 30.
- Wolf, Theodore, Chicago, Ill. Garment-supporter. No. 1,120,990; Dec. 15; Gaz. vol. 209; p. 810.
- Wolfe, Abner K., Atchison, Kans., assignor of one-half to C. Davis, Rulo, Nebr. Side bearing. No. 1,108,054; Aug. 18; Gaz. vol. 205; p. 956.
- Wolfe, Edward A., Indianola, Iowa. Trunk-filler. No. 1,092,235; Apr. 7; Gaz. vol. 201; p. 38.
- Wolfe, Henry E. (See Powell, Alvah L., assignor.)
- Wolfe, John E. (See Wolfe, Samuel C. and J. E.)
- Wolfe, Ruth, et al. (See Lyman, Don, assignor.)
- Wolfe, Samuel C. and J. E., Angola, Ind. Poultry cooling and display rack. No. 1,108,055; Aug. 18; Gaz. vol. 205; p. 957.
- Wolfe, William, St. Louis, Mo. Nailing mechanism for heel-building machines. No. 1,115,998; Nov. 3; Gaz. vol. 208; p. 182.
- Wolfe, William, St. Louis, Mo. Heel-building machine. No. 1,122,346; Dec. 29; Gaz. vol. 209; p. 1356.
- Wolfe, William, Oakbrook, assignor to The Nolde & Horst Co., Reading, Pa. Folded-blank box. No. 1,110,853; Sept. 15; Gaz. vol. 206; p. 788.
- Wolfe, Wilsie F., Atlantic City, N. J., C. R. Fowler, N. C. Schroeder, and A. S. Mappett, Philadelphia, Pa., assignors to Fowler & Wolfe Manufacturing Company. Bracket to support radiators. No. 1,088,861; Mar. 3; Gaz. vol. 200; p. 64.
- Wolff, Andre J. (See McClure and Wolff.)
- Wolff, Berthold, Offenbach-on-the-Main, Germany, assignor of one-half to G. Rochow, Gesellschaft mit beschränkter Haftung. Combined vapor and liquid actuated engine. No. 1,095,974; May 5; Gaz. vol. 202; p. 271.
- Wolff, Charles H. (See Weder and Wolff.)
- Wolff, Georg, assignor to Bergmann-Elektricitäts-Werke, Aktiengesellschaft, Hermsdorf, near Berlin, Germany. Current-distributing network. No. 1,098,204; May 26; Gaz. vol. 202; p. 1167.
- Wolff, Hans, assignor to Gebrüder Schubert, Berlin, Germany. Adhesive rosinous preparation and producing the same. No. 1,095,058; Apr. 28; Gaz. vol. 201; p. 1137.
- Wolff, Harry E., New York, N. Y. Automatic lighter. No. 1,106,175; Aug. 4; Gaz. vol. 205; p. 206.
- Wolff, Hugo. (See Bally and Wolff.)
- Wolff, Louis E., Joliet, Ill. Footwear. No. 1,120,353; Dec. 8; Gaz. vol. 209; p. 539.
- Wolff, Marc, Chelsea, England. Rim with movable bottom. No. 1,084,518; Jan. 13; Gaz. vol. 198; p. 445.
- Wolff, Margaret, San Francisco, Cal. Combined stay and hook and eyelet. No. 1,112,105; Sept. 29; Gaz. vol. 206; p. 1299.
- Wolff, Max, Southwark, London, England. Making printing-ink. No. 1,094,288; Apr. 21; Gaz. vol. 201; p. 808.
- Wolff, Oscar M. (See Reck, Amzi G., assignor.)
- Wolff, Oscar M., Chicago, Ill. Counter-partition bracket. No. 1,103,459; July 14; Gaz. vol. 204; p. 475.

Alphabetical list of patentees—Continued.

- Wolff, Paul, Wetzlar, Germany, assignor, by mesne assignments, to Vulcan Detinning Company. Producing tin tetrachlorid. No. 1,087,522; Feb. 17; Gaz. vol. 199; p. 772.
- Wolff, Paul, Wetzlar, Germany, assignor, by mesne assignments, to Vulcan Detinning Company. Obtaining tetrachlorid of tin from tin-scrap and other materials containing tin. No. 1,087,523; Feb. 17; Gaz. vol. 199; p. 772.
- Wolff, Paul, and A. Jäger, Hanover, assignors to Gebrüder Körting, Aktiengesellschaft, Linden, near Hanover, Germany. Molding apparatus. No. 1,095,764; May 5; Gaz. vol. 202; p. 202.
- Wolff, Theodor, Leverkusen, near Cologne, Germany, assignor, by mesne assignments, to General Chemical Company, New York, N. Y. Apparatus for the chemical transformation of gases by multiple-contact action at regulatable temperatures. No. 1,099,530; June 9; Gaz. vol. 203; p. 442.
- Wölff, Joseph, Hildesheim, Germany. Apparatus for making hollow bricks which are closed on all sides. No. 1,102,841; July 7; Gaz. vol. 204; p. 217.
- Wolford, Frank B., Sabine, Ohio. Draft appliance. No. 1,116,527; Nov. 10; Gaz. vol. 208; p. 404.
- Wolfram, John C. (See Kronenberg, Samuel T., assignor.)
- Wolfram Laboratorium Dr.-Ing. Paul Schwarzkopf (i. m. b. H. (See Schwarzkopf and Burgstaller, assignors.)
- Wolgamood, Elias J., Colorado City, Colo. Doweling device. No. 1,097,153; May 19; Gaz. vol. 202; p. 757.
- Wolhaupter, Benjamin, New Rochelle, N. Y. Metallic railway-tie and fastening. No. 1,115,641; Nov. 3; Gaz. vol. 208; p. 59.
- Wolhaupter, Benjamin, New Rochelle, assignor to The Rail Joint Company, New York, N. Y. Making rail-joint bars. No. 1,083,578; Jan. 6; Gaz. vol. 198; p. 105.
- Wolhaupter, Benjamin, New Rochelle, assignor to The Rail Joint Company, New York, N. Y. Making rail-joint bars. No. 1,083,579; Jan. 6; Gaz. vol. 198; p. 105.
- Wolhaupter, Benjamin, New Rochelle, assignor to The Rail Joint Company, New York, N. Y. Crowned-base rail-joint. No. 1,103,460; July 14; Gaz. vol. 204; p. 476.
- Wolhaupter, Benjamin, New Rochelle, assignor to The Rail Joint Company, New York, N. Y. Track-fastening for rail-joints. No. 1,118,832; Nov. 24; Gaz. vol. 208; p. 1292.
- Wollheim & Ossenbach, Industriegesellschaft m. b. H., Heinrich. (See Preussen, Heinrich P. von, assignor.)
- Wollheim, Walter E., assignor to The Nathan Manufacturing Company, New York, N. Y. Jet-pump apparatus. No. 1,111,343; Sept. 22; Gaz. vol. 206; p. 1001.
- Wollitzer, Anton, Chicago, Ill. Collapsible box. No. 1,086,007; Feb. 3; Gaz. vol. 199; p. 153.
- Wolmer, John A., Indianapolis, Ind. Steam-boiler construction. No. 1,106,066; Aug. 4; Gaz. vol. 205; p. 168.
- Wolseley Tool and Motor Car Company, The. (See Remington and Rowledge, assignors.)
- Wolsieffer, Philip M., Chicago, Ill. Display-card. No. 1,083,972; Jan. 13; Gaz. vol. 198; p. 265.
- Wolski, Jan, Chicago, Ill. Trip-operated railway-switch. No. 1,122,562; Dec. 29; Gaz. vol. 209; p. 1430.
- Wolter, Josef, Rorschach, and A. Belz, Untergoldach, assignors to Rapid A.-G., St. Gallen, Switzerland. Device for cutting embroidery. No. 1,087,479; Feb. 17; Gaz. vol. 199; p. 758.
- Woltmann, Ernst, New York, N. Y., assignor to Automatic Train Stop Company. Electric train-control system. No. 1,111,344; Sept. 22; Gaz. vol. 206; p. 1001.
- Wolvin, John F., St. Clair, Mich. Furnace. No. 1,083,345; Jan. 6; Gaz. vol. 198; p. 29.
- Wolvin, John F., St. Clair, Mich. Woodworking-machine. No. 1,104,858; July 28; Gaz. vol. 204; p. 1051.
- Womack, Alexander, Emmett, Idaho. Lock. No. 1,084,053; Jan. 13; Gaz. vol. 198; p. 293.
- Womeldorf, Charles F., Washington, D. C., assignor of one-half to W. H. Rickard, Harrisonburg, Va. Vehicle-wheel. No. 1,083,513; Jan. 6; Gaz. vol. 198; p. 84.
- Womeldorf, Daniel T., assignor of one-half to G. A. Rhodes, Lexington, Va. Oil-can. No. 1,100,337; June 16; Gaz. vol. 203; p. 756.
- Womeldorf, George H., assignor to Reno Manufacturing Company, Philadelphia, Pa. Jar-closure. No. 1,105,391; July 28; Gaz. vol. 204; p. 1240.
- Wonnberger, Frederick A., Union Course, N. Y. Puzzle. No. 1,111,934; Sept. 29; Gaz. vol. 206; p. 1243.
- Wood, A. C. (See Bencotter, James H., assignor.)
- Wood, Alan, 3d, Conshohocken, Pa. Gas-port for regenerative furnaces. No. 1,084,688; Jan. 20; Gaz. vol. 198; p. 534.
- Wood, Albert C., Philadelphia, Pa. Boiler-furnace. No. 1,097,598; May 19; Gaz. vol. 202; p. 909.
- Wood, Albert C., Philadelphia, Pa. Boiler. No. 1,097,599; May 19; Gaz. vol. 202; p. 910.
- Wood, Albert D., Canton, N. C. Wood-pulp thickener and save-all. No. 1,103,725; July 14; Gaz. vol. 204; p. 571.
- Wood, Alonzo H., deceased, and O. A. Frick, Defiance, Ohio; W. W. Wood, administrator, assignor to said O. A. Frick. Axle and cap-strip uniting means. No. 1,096,281; May 12; Gaz. vol. 202; p. 414.
- Wood, Asaph, Whittier, Iowa. Feed-trough. No. 1,084,381; Jan. 13; Gaz. vol. 198; p. 402.
- Wood, Benjamin, assignor to Wood Flong Company, New York, N. Y. Matrix-scorcher. No. 1,117,124; Nov. 10; Gaz. vol. 208; p. 616.
- Wood, Bert, Vernonia, Oreg. Grass-distributor for mowing-machines. No. 1,113,853; Oct. 13; Gaz. vol. 207; p. 546.
- Wood Brothers Thresher Company. (See Wood, Franz J., assignor.)
- Wood, Charles, Moulton, Iowa. Switch-stand lock. No. 1,089,176; Mar. 3; Gaz. vol. 200; p. 174.
- Wood, Charles, Moulton, Iowa. Switch-stand lock. No. 1,089,177; Mar. 3; Gaz. vol. 200; p. 175.
- Wood, Charles, Moulton, Iowa. Machine for heading grain. No. 1,100,514; June 16; Gaz. vol. 203; p. 816.
- Wood, Charles L., Woburn, Mass. Toy or game. No. 1,115,642; Nov. 3; Gaz. vol. 208; p. 59.
- Wood, Charles O., Chambersburg, Pa. Molding-jacket. No. 1,101,160; June 23; Gaz. vol. 203; p. 1093.
- Wood, Charles O., Chambersburg, Pa. Flask-rest. No. 1,117,295; Nov. 17; Gaz. vol. 208; p. 717.
- Wood, Clark C. (See Wilford and Wood.)
- Wood, Clio L., Coalinga, Cal. Pump-anchor. No. 1,108,537; Aug. 25; Gaz. vol. 205; p. 1173.
- Wood, Commodore P. (See Ames, Ernest R., assignor.)
- Wood, De Forrest, Kipton, Ohio. Automatic poultry-feeder. No. 1,107,394; Aug. 18; Gaz. vol. 205; p. 724.
- Wood, Earl A., Gem, Idaho. Screen. No. 1,103,167; July 14; Gaz. vol. 204; p. 377.
- Wood, Edward C., Somerville, Mass., assignor to Submarine Signal Company, Waterville, Me. Sounder. No. 1,109,811; Sept. 8; Gaz. vol. 206; p. 377.
- Wood, Edward C., Somerville, Mass., assignor to Submarine Signal Company, Waterville, Me. Sounder. No. 1,112,106; Sept. 29; Gaz. vol. 206; p. 1300.
- Wood, Edward C., Somerville, Mass., assignor to Submarine Signal Company, Waterville, Me. Mooring for buoys. No. 1,115,363; Oct. 27; Gaz. vol. 207; p. 1169.
- Wood, Edwin M., Detroit, Mich. Sweat-band. No. 1,115,143; Oct. 27; Gaz. vol. 207; p. 1094.
- Wood Flong Company. (See Wood, Benjamin, assignor.)
- Wood, Flora A., administratrix. (See Wood, James E.)
- Wood, Frank J., assignor to Marx and Rawolle, New York, N. Y. Distilling glycerin. No. 1,089,383; Mar. 3; Gaz. vol. 200; p. 240.
- Wood, Frank J., assignor to Marx & Rawolle, New York, N. Y. Apparatus for distilling glycerin. No. 1,098,543; June 2; Gaz. vol. 203; p. 66.
- Wood, Frank O., Brownsville, assignor of one-half to L. N. Phelps, Fond du Lac, Wis. Stanchion. No. 1,088,862; Mar. 3; Gaz. vol. 200; p. 65.
- Wood, Frank W., et al. (See Bliss, Donald M., assignor.)
- Wood, Frank W. (See Hunt and Wood.)
- Wood, Frank W., assignor, by mesne assignments, to Charles Cory & Son, Inc., New York, N. Y. Indicating system for turrets. No. 1,094,639; Apr. 28; Gaz. vol. 201; p. 1008.
- Wood, Frank W., assignor, by mesne assignments, to Charles Cory & Son, Inc., New York, N. Y. Switch. No. 1,094,690; Apr. 28; Gaz. vol. 201; p. 1009.
- Wood, Frank W., assignor, by mesne assignments, to Charles Cory & Son, Inc., New York, N. Y. Electrical switch. No. 1,094,691; Apr. 28; Gaz. vol. 201; p. 1009.
- Wood, Frank W., assignor, by mesne assignments, to Charles Cory & Son, Inc., New York, N. Y. Electric indicator system. No. 1,100,860; June 23; Gaz. vol. 203; p. 989.
- Wood, Frank W., Brooklyn, assignor to Charles Cory & Son, Incorporated, New York, N. Y. Signal apparatus. No. 1,111,345; Sept. 22; Gaz. vol. 206; p. 1002.
- Wood, Franz J., assignor to Wood Brothers Thresher Company, Des Moines, Iowa. Gearing device for traction-engines. No. 1,096,338; May 12; Gaz. vol. 202; p. 435.
- Wood, Frederick W., Kansas City, Mo. Tension-governor for pneumatic apparatus. No. 1,115,999; Nov. 3; Gaz. vol. 208; p. 182.
- Wood, George, Kansas City, Mo. Pencil-sharpener. No. 1,087,416; Feb. 17; Gaz. vol. 199; p. 735.
- Wood, George R., Los Angeles, Cal. Noiseless fork-lock railway-rail joint. No. 1,097,279; May 19; Gaz. vol. 202; p. 802.
- Wood, Harley K., Piqua, Ohio. Shovel. No. 1,099,958; June 16; Gaz. vol. 203; p. 624.
- Wood, Harry, Philadelphia, Pa. Tire. No. 1,100,810; June 23; Gaz. vol. 203; p. 971.
- Wood, Harry C., Cincinnati, Ohio. Coupon-book. No. 1,110,367; Sept. 15; Gaz. vol. 206; p. 616.
- Wood, Harvey M., Los Angeles, Cal. Bench-plane. No. 1,112,399; Sept. 29; Gaz. vol. 206; p. 1403.
- Wood, Henry A. W., New York, N. Y. Means for keeping margins clean in intaglio-printing. No. 1,106,067; Aug. 4; Gaz. vol. 205; p. 168.
- Wood, Henry A. W., New York, N. Y., assignor, by mesne assignments, to The Autoplate Company of America, Jersey City, N. J. Web-treating device for printing-presses. No. 1,089,453; Mar. 10; Gaz. vol. 200; p. 314.
- Wood, Henry A. W., New York, N. Y., assignor, by mesne assignments, to The Autoplate Company of America, Jersey City, N. J. Means for securing printing-plates to printing-cylinders. No. 1,096,982; May 19; Gaz. vol. 202; p. 696.

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- Wood, Henry A. W., assignor to The Wood & Nathan Company, New York, N. Y. Printed and slip sheet separating apparatus. No. 1,090,437; Mar. 17; Gaz. vol. 200; p. 698.
- Wood, Henry A. W., assignor, by mesne assignments, to Wood & Nathan Company, New York, N. Y. Relief and intaglio printing press. No. 1,096,483; May 12; Gaz. vol. 202; p. 482.
- Wood, Henry A. W., assignor to Wood & Nathan Company, New York, N. Y. Intaglio-printing cylinder. No. 1,123,055; Dec. 29; Gaz. vol. 209; p. 1605.
- Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Apparatus for drying matrices. No. 1,121,265; Dec. 15; Gaz. vol. 209; p. 908.
- Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Change-web-roll mechanism. No. 1,122,834; Dec. 29; Gaz. vol. 209; p. 1528.
- Wood, Henry C. (See Bromet, Thorman, and Wood.)
- Wood, Henry E., Denver, Colo. Ore-concentrator. No. 1,088,050; Feb. 24; Gaz. vol. 199; p. 1003.
- Wood, Herbert D., Phoenix, N. Y. Toilet-paper holder. No. 1,104,284; July 21; Gaz. vol. 204; p. 803.
- Wood, Herbert D., Phoenix, N. Y. Toilet-paper holder. No. 1,112,512; Oct. 6; Gaz. vol. 207; p. 35.
- Wood, Howard L., Columbus, Ohio, assignor to The Rail Joint Company, New York, N. Y. Insulated rail-joint. No. 1,087,623; Feb. 17; Gaz. vol. 199; p. 808.
- Wood, Jacob W., Allentown, Pa. Pulverizing or grinding mill. No. 1,116,193; Nov. 3; Gaz. vol. 208; p. 248.
- Wood, James, Fitzdale, Vt. Pin. No. 1,084,995; Jan. 20; Gaz. vol. 198; p. 637.
- Wood, James E., deceased; F. A. Wood, administratrix, assignor of one-half to C. A. Love, Aurora, Ill. Master-wheel. No. 1,108,538; Aug. 25; Gaz. vol. 205; p. 1173.
- Wood, James H., Jr., New York, N. Y. Railway-car. No. 1,101,110; June 23; Gaz. vol. 203; p. 1076.
- Wood, James J., Fort Wayne, Ind., assignor to General Electric Company. Liquid-mixer. No. 1,089,806; Mar. 10; Gaz. vol. 200; p. 435.
- Wood, James J., Fort Wayne, Ind., assignor to General Electric Company. Dynamo-electric machine. No. 1,102,116; June 30; Gaz. vol. 203; p. 1478.
- Wood, Jarett B., assignor of one-half to F. J. Hawk and H. D. Knight, Oklahoma, Okla. Farm implement. No. 1,117,540; Nov. 17; Gaz. vol. 208; p. 802.
- Wood, Jarrett B., Chattanooga, Tenn. Plow. No. 1,087,205; Feb. 17; Gaz. vol. 199; p. 660.
- Wood, John G., Detroit, Mich. Label for cans. No. 1,093,233; Apr. 14; Gaz. vol. 201; p. 416.
- Wood, John W., Moulton, Iowa. Electrochemical process for producing nitrogen compounds. No. 1,118,993; Dec. 1; Gaz. vol. 209; p. 31.
- Wood, Joseph, Everett, Mass. Handsaw. No. 1,113,591; Oct. 13; Gaz. vol. 207; p. 454.
- Wood, Joseph E., Seattle, Wash., assignor to Electrical Advertising Company, Limited, Vancouver, British Columbia, Canada. Display apparatus. No. 1,084,121; Jan. 13; Gaz. vol. 198; p. 316.
- Wood, Louis A. (See Sox, David A., assignor.)
- Wood, Milton R., East Orange, N. J. Display-rack for windows. No. 1,096,660; May 12; Gaz. vol. 202; p. 541.
- Wood & Nathan Company. (See Johnston, Robert T., assignor.)
- Wood & Nathan Company. (See Wood, Henry A. W., assignor.)
- Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
- Wood, Ogda C., Ewing, Nebr., assignor to M. L. Glasser. Animal-trap. No. 1,101,226; June 23; Gaz. vol. 203; p. 1117.
- Wood, Robert, Westmount, Quebec, Canada. Pressure-indicator. No. 1,117,470; Nov. 17; Gaz. vol. 208; p. 778.
- Wood, Robert, Westmount, Quebec, Canada, assignor to Nathan Manufacturing Co., New York, N. Y. Automatic oiler. No. 1,092,194; Apr. 7; Gaz. vol. 201; p. 24.
- Wood, Samuel C., Canton, N. C. Spike. No. 1,097,495; May 19; Gaz. vol. 202; p. 875.
- Wood, Shirley H., Corsicana, Tex. Ship-protector. No. 1,087,057; Feb. 10; Gaz. vol. 199; p. 557.
- Wood Tire Silo Company. (See Boldt, Herman E., assignor.)
- Wood, Tom W., Boswell, Okla. Astronomical apparatus. No. 1,083,648; Jan. 6; Gaz. vol. 198; p. 129.
- Wood, W. Webb, administrator. (See Wood and Frick.)
- Wood, Wilfred R., London, England. Mechanical stoker. No. 1,087,155; Feb. 17; Gaz. vol. 199; p. 643.
- Wood, William H., Media, Pa. Boiler. No. 1,106,908; Aug. 11; Gaz. vol. 205; p. 507.
- Wood, William M., New York, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting-machine. No. 1,102,842; July 7; Gaz. vol. 204; p. 217.
- Wood, William W., Jr., Huntington, N. Y. Filler-pipe for automobile gasoline-tanks. No. 1,117,741; Nov. 17; Gaz. vol. 203; p. 874.
- Woodall, Morley L. (See Robertson and Woodall.)
- Woodall, Walter, Benson, N. C. Plant-lifting attachment for cultivators. No. 1,122,184; Dec. 22; Gaz. vol. 209; p. 1262.
- Woodard, Charles B., Springfield, Tenn. Emergency-exit-door fastener. No. 1,117,742; Nov. 17; Gaz. vol. 208; p. 875.
- Woodard, Ira E., Dunkirk, Ind. Burial-vault. No. 1,110,520; Sept. 15; Gaz. vol. 206; p. 671.
- Woodard, Joseph W., assignor of one-half to G. W. Smithson, Washington, D. C. Watchmaker's tool. No. 1,110,173; Sept. 8; Gaz. vol. 206; p. 509.
- Woodard, William E., Schenectady, N. Y. Truck-bolster. No. 1,100,275; June 16; Gaz. vol. 203; p. 735.
- Woodard, William E., Schenectady, N. Y. Locomotive trailing truck. No. 1,101,227; June 23; Gaz. vol. 203; p. 1117.
- Woodard, William E., Schenectady, N. Y. Self-locking pin. No. 1,111,513; Sept. 22; Gaz. vol. 206; p. 1058.
- Woodbridge, Joseph L., Philadelphia, Pa. System of electrical distribution. No. 1,084,722; Jan. 20; Gaz. vol. 198; p. 546.
- Woodbridge, Joseph L., Philadelphia, Pa. Dynamo-electric machine. No. 1,084,723; Jan. 20; Gaz. vol. 198; p. 546.
- Woodbridge, Joseph L., Philadelphia, Pa. System of electrical distribution. No. 1,096,879; May 19; Gaz. vol. 202; p. 659.
- Woodbridge, Joseph L., Philadelphia, Pa. System of electrical distribution. No. 1,105,231; July 28; Gaz. vol. 204; p. 1180.
- Woodbridge, Joseph L., Philadelphia, Pa. System of electrical distribution. No. 1,105,232; July 28; Gaz. vol. 204; p. 1181.
- Woodbridge, Joseph L., Philadelphia, Pa. System of electrical distribution. No. 1,120,006; Dec. 8; Gaz. vol. 209; p. 417.
- Woodbury, Clifford A., Chester, Pa., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Varying the velocity of detonation of explosives. No. 1,113,275; Oct. 13; Gaz. vol. 207; p. 344.
- Woodbury, Roy J., assignor of one-half to W. E. Armistead, Atlanta, Ga. Sanitary carrier for liquid-receptacles. No. 1,109,496; Sept. 1; Gaz. vol. 206; p. 225.
- Woodcock, J. H., *et al.* (See Kaylor, William, assignor.)
- Woodcock, Mabel E. (See Mesick, Elliot, and Woodcock.)
- Woodcock, Ruth L., *et al.* (See Kaylor, William, assignor.)
- Woodcock, William G., Jr., Newark, N. J., assignor to Canadian Tobacco Utilities Limited, Toronto, Canada. Tobacco-stemming machine. No. 1,103,641; July 14; Gaz. vol. 204; p. 542.
- Woodfield, Ernest E., Astoria, Oreg. Drag-seine. No. 1,108,417; Aug. 25; Gaz. vol. 205; p. 1129.
- Woodhead, Frank S. (See Gray and Woodhead.)
- Woodhead, Henry A., Wortendyke, N. J. Fixture. No. 1,097,496; May 19; Gaz. vol. 202; p. 876.
- Woodhouse, Charlie J., South Manchester, Conn. Ice-weighing attachment for ice-boxes. No. 1,097,497; May 19; Gaz. vol. 202; p. 876.
- Woodin, Norman C., *et al.* (See Stewart, David S., assignor.)
- Wooding, Benjamin F., Denver, Colo. Railway signaling apparatus. No. 1,091,102; Mar. 24; Gaz. vol. 200; p. 956.
- Wooding, Benjamin F., Denver, Colo. Housed contact for railway signaling systems. No. 1,110,978; Sept. 15; Gaz. vol. 206; p. 831.
- Wooding, Benjamin F., Denver, Colo. Automatic train-control for cab-signals. No. 1,115,364; Oct. 27; Gaz. vol. 207; p. 1169.
- Woodington, Joseph H., and E. H. Coles, Clevedon, England. Indicating device for drains and the like. No. 1,090,669; Mar. 17; Gaz. vol. 200; p. 777.
- Woodland, Frank O., Worcester, Mass. Cigar-banding machine. No. 1,089,354; Mar. 3; Gaz. vol. 200; p. 231.
- Woodland, Frank O., Worcester, Mass. Cigar-banding machine. No. 1,096,584; May 12; Gaz. vol. 202; p. 515.
- Woodland, Frank O., Worcester, Mass. Two-cycle internal-combustion engine. No. 1,104,596; July 21; Gaz. vol. 204; p. 913.
- Woodland, Frank O., Worcester, Mass. Front suspension for automobiles. No. 1,112,584; Oct. 6; Gaz. vol. 207; p. 62.
- Woodland, Frank O., assignor to Economic Machinery Company, Worcester, Mass. Labeling-machine. No. 1,113,854; Oct. 13; Gaz. vol. 207; p. 547.
- Woodland, Frank O., assignor to Economic Machinery Company, Worcester, Mass. Labeling-machine. No. 1,113,855; Oct. 13; Gaz. vol. 207; p. 547.
- Woodland, Frank O., assignor to Economic Machinery Company, Worcester, Mass. Labeling-machine. No. 1,113,856; Oct. 13; Gaz. vol. 207; p. 548.
- Woodland, William C. (See Wolcott and Woodland.)
- Woodland, William C. (See Wolcott and Woodland.) (Reissue.)
- Woodland, William C., assignor to Packard Electric Company, Warren, Ohio. Wireless telegraphy. No. 1,114,840; Oct. 27; Gaz. vol. 207; p. 986.
- Woodley, Whitford W., Elizabeth City, N. C. Dust-handling. No. 1,123,155; Dec. 29; Gaz. vol. 209; p. 1641.
- Woodling, Jacob M., Morganton, N. C. Boiler-furnace. No. 1,091,996; Mar. 31; Gaz. vol. 200; p. 1303.
- Woodlock, Frank D., St. Louis, Mo. Reading device. No. 1,115,144; Oct. 27; Gaz. vol. 207; p. 1094.
- Woodman, George A. (See Carscadin and Woodman.)

Alphabetical list of patentees—Continued.

- Woodman, George A., *et al.* (See Miller, Joseph, assignor.)
- Woodman, George A., assignor to Kirby Equipment Company, Chicago, Ill. Journal-box lid. No. 1,086,008; Feb. 3; Gaz. vol. 199; p. 154.
- Woodmansee, Ira M., St. Louis, Mo. Atomizing-lubricator. No. 1,113,276; Oct. 13; Gaz. vol. 207; p. 344.
- Woodmansee, Ira M., assignor to A. R. Chappell, St. Louis, Mo. Lubricating device. No. 1,116,662; Nov. 10; Gaz. vol. 208; p. 456.
- Woodrow, Oliver B., Newton, Iowa. Gear-drive for wringers. No. 1,118,991; Dec. 1; Gaz. vol. 209; p. 31.
- Woodruff, Edward H., *et al.* (See Clifford, Patrick J., assignor.)
- Woodruff, H. C. (See Kilmer, Elmer E., assignor.)
- Woodruff, Henry L., *et al.* (See Morton, Frank M., assignor.)
- Woodruff, Leonidas D., Hattiesburg, Miss. Fluid-pressure coupling for train-pipes. No. 1,102,522; July 7; Gaz. vol. 204; p. 141.
- Woodruff, Leonidas D., Hattiesburg, Miss. Safety-lock for coupling-heads. No. 1,104,597; July 21; Gaz. vol. 204; p. 913.
- Woodruff, William H. (See McTaggart, Daniel B., assignor.)
- Woodruff, William W., Ardmore, Pa., assignor to The Lamson Company, Boston, Mass. Transfer-bin. No. 1,089,518; Mar. 10; Gaz. vol. 200; p. 338.
- Woodruff, Willis B., Cadiz, Ky. Churn. No. 1,113,396; Oct. 13; Gaz. vol. 207; p. 387.
- Woodruff, Willis W., Minneapolis, Minn. Bottle-stopper. No. 1,116,663; Nov. 10; Gaz. vol. 208; p. 456.
- Woods, Allie, administratrix. (See Woods, Harry.)
- Woods Automatic Fruit Grading Machine Company. (See Woods, James A., assignor.)
- Woods, C. F. (See Hortsman, Frank J., assignor.)
- Woods, Charles G., St. Louis, Mo. Ice-clearing trolley. No. 1,086,879; Feb. 10; Gaz. vol. 199; p. 500.
- Woods, Clarence S., assignor of one-half to E. Forsyth, Detroit, Mich. Toothpick holder and vending machine. No. 1,122,456; Dec. 29; Gaz. vol. 209; p. 1394.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Reproducer for talking-machines. No. 1,096,661; May 12; Gaz. vol. 202; p. 542.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Talking-machine. No. 1,106,269; Aug. 4; Gaz. vol. 205; p. 236.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Talking-machine. No. 1,108,301; Aug. 25; Gaz. vol. 205; p. 1091.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Tone-arm for talking-machines. No. 1,108,302; Aug. 25; Gaz. vol. 205; p. 1092.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Sound-box. No. 1,119,920; Dec. 8; Gaz. vol. 209; p. 387.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Speed-governor for talking-machines. No. 1,121,887; Dec. 22; Gaz. vol. 209; p. 1161.
- Woods, Edwin S., deceased, Chicago, Ill.; A. G. Welch, executor. Antifriction-bearing. No. 1,094,957; Apr. 28; Gaz. vol. 201; p. 1103.
- Woods, Edwin S., deceased, Chicago, Ill.; A. G. Welch, executor. Antifriction-bearing for railway-cars. No. 1,096,210; May 12; Gaz. vol. 202; p. 387.
- Woods, Edwin S., deceased, (A. G. Welch, executor,) and A. A. Weigel, Chicago, Ill.; said Weigel assignor to said Woods. Antifriction side bearing. No. 1,111,119; Sept. 22; Gaz. vol. 206; p. 923.
- Woods, George E., assignor of one-half to H. S. Jacobson, Pittsburgh, Pa. Folding box. No. 1,114,567; Oct. 20; Gaz. vol. 207; p. 838.
- Woods, Harry, deceased, Steubenville, Ohio; A. Woods, administratrix. Hydraulic valve. No. 1,105,947; Aug. 4; Gaz. vol. 205; p. 126.
- Woods, Henry J. (See Nelsen, Alfred N., assignor.)
- Woods, James A., assignor to Woods Automatic Fruit Grading Machine Company, Ogden, Utah. Fruit-grader. No. 1,118,834; Nov. 24; Gaz. vol. 208; p. 1292.
- Woods, Joseph M., and F. E. M. Giesebrecht, Chicago, Ill. Wheel-flange lubricator. No. 1,110,276; Sept. 8; Gaz. vol. 206; p. 545.
- Woods, Mark W. (See Hindmarsh, Percy J., assignor.)
- Woods-Sherwood Company. (See Douglas, Hammond B., assignor.)
- Woods, Thomas, Syracuse, N. Y. Vending-machine. No. 1,105,477; July 28; Gaz. vol. 204; p. 1269.
- Woods, William J., assignor to Corning Glass Works, Corning, N. Y. Manufacturing blown-glass articles. No. 1,100,811; June 23; Gaz. vol. 203; p. 971.
- Woodsome, John O., assignor to Crane Company, Chicago, Ill. Drying-machine. No. 1,114,215; Oct. 20; Gaz. vol. 207; p. 714.
- Woodward, Bartha L., Iron Mountain, Mich. Hair-curler. No. 1,084,776; Jan. 20; Gaz. vol. 198; p. 564.
- Woodward, Charles H., and J. W. Doane, Portland, Oreg. Bag-holder. No. 1,106,483; Aug. 11; Gaz. vol. 205; p. 356.
- Woodward, Elmer E., Rockford, Ill. Speed-regulator. No. 1,106,434; Aug. 11; Gaz. vol. 205; p. 337.
- Woodward, Erastus, Somerville, assignor to American Stamping Machine Company, Lynn, Mass. Type-head for printing and marking machines. No. 1,122,835; Dec. 29; Gaz. vol. 209; p. 1528.
- Woodward, Ernest A., Sacramento, Cal. Safety-valve for pneumatic tires. No. 1,116,528; Nov. 10; Gaz. vol. 208; p. 405.
- Woodward, Frank R., Hill, N. H., assignor of one-half to Smith & Hemenway Company, New York, N. Y. Glass-cutter. No. 1,102,843; July 7; Gaz. vol. 204; p. 217.
- Woodward, James L., Oakland, Cal. Building-lumber. No. 1,118,990; Dec. 1; Gaz. vol. 209; p. 30.
- Woodward, Oscar, Montclair, N. J., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Making type-blocks for type-writing and like machines. No. 1,115,643; Nov. 3; Gaz. vol. 208; p. 60.
- Woodward, Russel G. (See Onderdonk and Woodward.)
- Woodward, Russel G., Waukegan, assignor to Union Special Sewing Machine Company, Chicago, Ill. Overseaming sewing-machine. No. 1,097,280; May 19; Gaz. vol. 202; p. 802.
- Woodward, Russel G., Waukegan, assignor to Union Special Sewing Machine Company, Chicago, Ill. Overseaming sewing-machine and throat-plate and spreader-guard therefor. No. 1,098,205; May 26; Gaz. vol. 202; p. 1168.
- Woodward, Russel G., Waukegan, assignor to Union Special Machine Company, Chicago, Ill. Sewing and ruffling machine. No. 1,115,145; Oct. 27; Gaz. vol. 207; p. 1095.
- Woodward, Russel G., Waukegan, assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine and looper therefor. No. 1,121,219; Dec. 15; Gaz. vol. 209; p. 892.
- Woodward, Russel G., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,118,092; Nov. 24; Gaz. vol. 208; p. 1035.
- Woodward, Walter E., Malden, Mass. Legging. (Re-issue.) No. 13,747; June 9; Gaz. vol. 203; p. 574.
- Woodward, William, Chicago, Ill. Internal-combustion engine. No. 1,084,519; Jan. 13; Gaz. vol. 198; p. 446.
- Woodward, William, Chicago, Ill. Explosive-engine. No. 1,108,303; Aug. 25; Gaz. vol. 205; p. 1092.
- Woodworth, Dallas C., Rock Island, Ill. Speed-varying mechanism. No. 1,122,563; Dec. 29; Gaz. vol. 209; p. 1430.
- Woodworth, George, Sheffield, Ill. Cuspidor. No. 1,091,418; Mar. 24; Gaz. vol. 200; p. 1059.
- Woodworth, Olin F. (See Willis and Woodworth.)
- Woodworth, Robert B., Pittsburgh, Pa. Wheel construction. No. 1,090,184; Mar. 17; Gaz. vol. 200; p. 608.
- Woodworth, Rollo E., Cleveland, Ohio. Barrel-stand. No. 1,102,972; July 7; Gaz. vol. 204; p. 259.
- Woody, Corydon A. (See Hutchings and Woody.)
- Woodyard, Jacob F., Parkersburg, W. Va. Propeller. No. 1,103,855; July 14; Gaz. vol. 204; p. 614.
- Wooldrik, Solomon A. (See Kunze, George F., assignor.)
- Woolery, Horace E., Fairmont, Minn. Internal-combustion engine. No. 1,101,374; June 23; Gaz. vol. 203; p. 1166.
- Wooley, William, Chicago, Ill., assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Control mechanism for calculating-machines. No. 1,085,957; Feb. 3; Gaz. vol. 199; p. 135.
- Woolf Cycle Motor Company, The. (See Woolf, Ellis J. and J. F., assignors.)
- Woolf, Ellis J., assignor to The Woolf Valve Gear Company, Minneapolis, Minn. Explosive-engine. No. 1,121,153; Dec. 15; Gaz. vol. 209; p. 871.
- Woolf, Ellis J. and J. F., assignors to The Woolf Cycle Motor Company, Minneapolis, Minn. Explosive-engine. No. 1,096,211; May 12; Gaz. vol. 202; p. 388.
- Woolf, Frank H., assignor of one-half to I. E. Block, Chicago, Ill. Candy-machine. No. 1,108,304; Aug. 25; Gaz. vol. 205; p. 1092.
- Woolf, Jay F. (See Woolf, Ellis J. and J. F.)
- Woolf Valve Gear Company, The. (See Woolf, Ellis J., assignor.)
- Woollacott, Albert H., and L. H. Saxton, Los Angeles, Cal. Disposing of garbage. No. 1,099,330; June 9; Gaz. vol. 203; p. 373.
- Woollett, Ernest, assignor of one-half to F. Whitfield and J. H. Whitfield, Chicago, Ill. Valve. No. 1,118,992; Dec. 1; Gaz. vol. 209; p. 31.
- Woolley, Edward W., Jersey City, N. J. Door-holder. No. 1,089,891; Mar. 10; Gaz. vol. 200; p. 465.
- Woolley, Edward W., Jersey City, N. J. Air-brake. No. 1,118,994; Dec. 1; Gaz. vol. 209; p. 32.
- Woolner, Adolph, Jr., Peoria, Ill. Distillation. No. 1,104,948; July 28; Gaz. vol. 204; p. 1082.
- Woolson, Orosco C., New York, N. Y. Clinker grinder and discharger for furnaces. No. 1,086,880; Feb. 10; Gaz. vol. 199; p. 500.
- Woolson, Orosco C., New York, N. Y. Clinker grinder and discharger for furnaces. No. 1,121,888; Dec. 22; Gaz. vol. 209; p. 1161.
- Woolson, Thomas D., Richmond, Va. Sled-propelling mechanism. No. 1,100,643; June 16; Gaz. vol. 203; p. 858.

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- Woolums, William H., Chicago, Ill. Memorandum-indicator. No. 1,101,826; June 30; Gaz. vol. 203; p. 1373.
- Woonsocket Machine & Press Company. (See Willey and Mason, assignors.)
- Wooster, Burton O., San Jose, Cal. Machine for cutting cord-wood. No. 1,123,056; Dec. 29; Gaz. vol. 209; p. 1605.
- Wooster, Clarence. (See Stuart, John, assignor.)
- Wooster, Joel T. (See Hofmann, William G., assignor.)
- Wooster, John, Dowagiac, Mich. Box. No. 1,111,120; Sept. 22; Gaz. vol. 206; p. 924.
- Wooten, Guy H., Ford, Kans. Brake-applying mechanism. No. 1,121,317; Dec. 15; Gaz. vol. 209; p. 925.
- Wooton, John A., Fort Meade, Fla. Tensioning device for shade-rollers. No. 1,091,103; Mar. 24; Gaz. vol. 200; p. 956.
- Wootten, John A., Hot Springs, Ark. Wearing-apparel. No. 1,092,685; Apr. 7; Gaz. vol. 201; p. 193.
- Wootten, Robert C., Danville, Va. Automatic stop device. No. 1,102,707; July 7; Gaz. vol. 204; p. 169.
- Worcester, Joseph T., Mobile, Ala. Turpentine-hack. No. 1,108,651; Aug. 25; Gaz. vol. 205; p. 1211.
- Worcester Manufacturing Company. (See Ball, Harry, assignor.)
- Worcester Shoe Machinery Company. (See Blount and Padula, assignors.)
- Worcester, William W., Canton, Ohio. Waste-basket. No. 1,120,176; Dec. 8; Gaz. vol. 209; p. 476.
- Worden, Euclid P. (See Prescott and Worden.)
- Worden, Frank B., Jamestown, N. Y. Sheet-metal hinge. No. 1,113,176; Oct. 6; Gaz. vol. 207; p. 265.
- Worden, Joseph J. (See Coyne and Worden.)
- Wordingham, George, Milwaukee, Wis. Tie and soft-collar case. No. 1,089,519; Mar. 10; Gaz. vol. 200; p. 339.
- Wordingham, George, Milwaukee, Wis. Laundry-envelop. No. 1,105,120; July 28; Gaz. vol. 204; p. 1141.
- Work, William, assignor of one-half to H. S. Hewett, Brockton, Mass. Optical instrument. No. 1,088,507; Feb. 24; Gaz. vol. 199; p. 1156.
- Workman, Edward E., assignor of one-half to E. Mees, Lyons, Ind. Mold for plastic blocks. No. 1,092,195; Apr. 7; Gaz. vol. 201; p. 25.
- Workman, James C., *et al.* (See Wranau, Gottlieb H. E. von, assignor.)
- Workman, Robert J., San Francisco, Cal. Cooking apparatus. No. 1,083,973; Jan. 13; Gaz. vol. 198; p. 265.
- Worley, George I., assignor of one-half to C. F. Dehner, Kansas City, Mo. Road-oiling vehicle. No. 1,093,818; Apr. 21; Gaz. vol. 201; p. 653.
- Worm, Fritz, assignor to German-American Portland Cement Works, La Salle, Ill. Cement-manufacturing apparatus. No. 1,092,551; Apr. 7; Gaz. vol. 201; p. 147.
- Wormser, Alfred G., Harrisburg, Pa. Combination cigar, cigarette, and match case. No. 1,085,517; Jan. 27; Gaz. vol. 198; p. 851.
- Wormser, Alfred G., Harrisburg, Pa. Combined lunch carrier and heater. No. 1,106,176; Aug. 4; Gaz. vol. 205; p. 206.
- Wörner, Johannes, Cannstatt, Germany, assignor of one-fourth to F. A. Bach, Chicago, Ill. Shaped or molded block for making ceilings. No. 1,092,621; Apr. 7; Gaz. vol. 201; p. 172.
- Worrell, Robert H. (See Arthur and Worrell.)
- Worsey, Charles H., Wilkesburg, Pa., assignor to E. R. Knott Machine Company, Boston, Mass. Candy-spinning machine. No. 1,102,623; July 7; Gaz. vol. 204; p. 142.
- Worsey, Charles H., Pittsburgh, Pa., assignor to E. R. Knott Machine Company, Boston, Mass. Candy-spinner. No. 1,102,624; July 7; Gaz. vol. 204; p. 142.
- Worsley, Ernest, Southwick, England. Machine for granulating medicinal and like preparations. No. 1,119,382; Dec. 1; Gaz. vol. 209; p. 167.
- Worsley, Otto G., Aurora, Ill. Spring-wheel. No. 1,113,177; Oct. 6; Gaz. vol. 207; p. 265.
- Worster, Edward T., Woodfield, Ohio, assignor of one-half to J. F. Grasley. Collapsible egg-crate. No. 1,089,614; Mar. 10; Gaz. vol. 200; p. 370.
- Worster, Mark M. (See Mead, Charles M., assignor.)
- Worth, Charles H., Darrington, and B. Leon, Camden, N. J. Lacing-holder. No. 1,090,438; Mar. 17; Gaz. vol. 200; p. 698.
- Worth, John S., *et al.* (See Hepler, Irvin F., assignor.)
- Worth, Robert J., Norton-on-Tees, England. Valve-controlling gear of winding-engines. No. 1,102,117; June 30; Gaz. vol. 203; p. 1478.
- Worth, William P., *et al.* (See Hepler, Irvin F., assignor.)
- Worthington, Bruce. (See Straus and Worthington.)
- Worthington Cotton Harvester Company. (See Straus, Theodore E., assignor.)
- Worthington Cotton Harvester Company. (See Straus and Worthington, assignors.)
- Worthington, Fannie M., Sterling, Ill. Ash-distributer. No. 1,109,731; Sept. 8; Gaz. vol. 206; p. 350.
- Worthington, George H. (See Sargent, James T., assignor.)
- Worthington, Harry B., Columbus, Ohio. Card-case. No. 1,086,971; Feb. 10; Gaz. vol. 199; p. 530.
- Worthington, John V., assignor to The Dunlop Rubber Company, Limited, Birmingham, England. Press. No. 1,119,560; Dec. 1; Gaz. vol. 209; p. 228.
- Worthington, Thomas G., and H. O. Langstaff, Oatman, Ariz. Ore-feeder. No. 1,098,206; May 26; Gaz. vol. 202; p. 1168.
- Worthley, Annie L., Los Angeles, Cal. Bedclothes-holder. No. 1,092,468; Apr. 7; Gaz. vol. 201; p. 119.
- Wortman, Oliver B. (See Taggart and Wortman.)
- Wotherspoon, William W., New York, N. Y. Pneumatic conveying device. No. 1,116,862; Nov. 10; Gaz. vol. 208; p. 526.
- Wotton, James A., Montclair, N. J., assignor to Western Electric Company, New York, N. Y. Selective impulse-transmitter. No. 1,100,413; June 16; Gaz. vol. 203; p. 784.
- Wotton, James A., Montclair, N. J., assignor to Western Electric Company, New York, N. Y. Impulse-transmitter. No. 1,117,296; Nov. 17; Gaz. vol. 208; p. 717.
- Woulfe, Maurice R., *et al.* (See Nelson, Henry F., assignor.)
- Wraae, Carl L. H., and J. Liddell, Cuba, Wis. Spring-wheel. No. 1,097,114; May 19; Gaz. vol. 202; p. 743.
- Wranau, Gottlieb H. E. von, assignor of one-third to J. C. Workman, Cleveland, and one-third to L. Sebastian, Toledo, Ohio. Folding seat. No. 1,106,693; Aug. 11; Gaz. vol. 205; p. 431.
- Wrapping Machine Company, The. (See Ward, George R., assignor.)
- Wray, Charles F., assignor to National Brass Mfg. Co., Rochester, N. Y. Tank-faucet. No. 1,099,077; June 2; Gaz. vol. 203; p. 240.
- Wray, Dudley C., *et al.* (See Flatau, Louis S., assignor.)
- Wray, Edward, assignor to Kalle and Company, Aktien-gesellschaft, Biebrich-on-the-Rhine, Germany. Manufacture of vat dyestuffs. No. 1,108,056; Aug. 18; Gaz. vol. 205; p. 957.
- Wray, Edward, assignor to Kalle and Company, Aktien-gesellschaft, Biebrich-on-the-Rhine, Germany. Manufacture of vat dyestuffs. No. 1,108,057; Aug. 18; Gaz. vol. 205; p. 957.
- Wray, Edward H., and W. J. Hagman, Philadelphia, Pa., assignors to Niles-Bement-Pond Company, Jersey City, N. J. Hammer-press. No. 1,084,054; Jan. 13; Gaz. vol. 198; p. 293.
- Wray, T. Allie, *et al.* (See Flatau, Louis S., assignor.)
- Wrayge, Christian, Jr., Cass Lake, Minn. Display container and stand. No. 1,113,725; Oct. 13; Gaz. vol. 207; p. 502.
- Wrede, Albin C., Smithville, Tex. Copy-holder. No. 1,095,059; Apr. 28; Gaz. vol. 201; p. 1137.
- Wrenn, Herbert A., *et al.* (See Lake, Wilmot, assignor.)
- Wright, Abbott L. (See Willson and Wright.)
- Wright, Alfred T., White River Junction, Vt. Box. No. 1,083,514; Jan. 6; Gaz. vol. 198; p. 84.
- Wright, Alice A., Oakland, assignor to The Resilia Corporation, San Francisco, Cal. Composition for and process of revivifying and preserving rubber. No. 1,114,841; Oct. 27; Gaz. vol. 207; p. 986.
- Wright, Alva B., Ramsey, Ill. Bundling-machine. No. 1,102,844; July 7; Gaz. vol. 204; p. 218.
- Wright, Arthur W., Trinidad, and P. H. Knowlton, Denver, Colo. Combined writing-sheet and envelop. No. 1,105,012; July 28; Gaz. vol. 204; p. 1103.
- Wright, Bert R., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Clarification of milk. No. 1,122,457; Dec. 29; Gaz. vol. 209; p. 1394.
- Wright, Charles A., Philadelphia, Pa. Appliqué-machine. No. 1,085,518; Jan. 27; Gaz. vol. 198; p. 851.
- Wright, Charles C., Camden, N. J. Attachment for telephones. No. 1,122,347; Dec. 29; Gaz. vol. 209; p. 1357.
- Wright, Charles D. (See Wright and McCormick.)
- Wright, Charles F., Kennett, Mo. Breeder's appliance. No. 1,111,935; Sept. 29; Gaz. vol. 206; p. 1244.
- Wright, Charles H., Denver, Colo. Fireless cooker. No. 1,120,877; Dec. 15; Gaz. vol. 209; p. 772.
- Wright, Charles I., Tucson, Ariz. Filter for atomizers and other devices. No. 1,088,954; Mar. 3; Gaz. vol. 200; p. 98.
- Wright, Charles I., Oakland, Cal. Wind-shield hinge. No. 1,100,338; June 16; Gaz. vol. 203; p. 756.
- Wright, Charles J. (See Lewis and Wright.)
- Wright, Charles J. (See Smith and Wright.)
- Wright, Charles J., assignor to The Harris Automatic Press Company, Niles, Ohio. Actuating means for fountain-rolls for printing-presses. No. 1,121,705; Dec. 22; Gaz. vol. 209; p. 1096.
- Wright, Chester L., C. D. Wright, and J. T. McCormick, Sumner, Mo. Detachable sad-iron handle. No. 1,120,582; Dec. 8; Gaz. vol. 209; p. 620.
- Wright, Clarence R., Tecumseh, Nebr. Stack-cover. No. 1,095,484; May 5; Gaz. vol. 202; p. 107.
- Wright, Clark W. (See Wright, Earl P., assignor.)
- Wright, Clyde S., assignor to The National Supply Company, Toledo, Ohio. Combination stuffing-box and clamp for wire-line pumping outfits. No. 1,100,462; June 16; Gaz. vol. 203; p. 800.
- Wright, Clyde S., assignor to The National Supply Company, Toledo, Ohio. Universal pull-rod clamp. No. 1,106,856; Aug. 11; Gaz. vol. 205; p. 488.

Alphabetical list of patentees—Continued.

- Wright, Clyde S., assignor to The National Supply Company, Toledo, Ohio. Swivel rope-socket. No. 1,112,513; Oct. 6; Gaz. vol. 207; p. 35.
- Wright, Clyde S., assignor to The National Supply Company, Toledo, Ohio. Hydraulic swivel. No. 1,113,397; Oct. 13; Gaz. vol. 207; p. 387.
- Wright, Clyde S., assignor to The National Supply Company, Toledo, Ohio. Breaking-out tongs. No. 1,114,663; Oct. 20; Gaz. vol. 207; p. 870.
- Wright Company, The. (See Wright, Orville and W., assignors.)
- Wright Cutter Company. (See Rich, Homer B., assignor.)
- Wright, Dexter M., San Francisco, Cal. Timpano-support. No. 1,104,236; July 21; Gaz. vol. 204; p. 786.
- Wright, Dudley D., San Francisco, Cal. Telephone signaling apparatus. No. 1,108,305; Aug. 25; Gaz. vol. 205; p. 1093.
- Wright, Earl P., assignor of one-half to C. W. Wright, Marion, Ohio. Collar-pad. No. 1,105,169; July 28; Gaz. vol. 204; p. 1157.
- Wright, Ed W., Marshall, Tex. Valve mechanism for steam-engines. No. 1,099,730; June 9; Gaz. vol. 203; p. 510.
- Wright, Edgar, Warren, Mass. Ice-cutting machine. No. 1,094,396; Apr. 21; Gaz. vol. 201; p. 844.
- Wright, Edwin B., Hoxie, Ark. Car-replacer. No. 1,093,960; Apr. 21; Gaz. vol. 201; p. 700.
- Wright, Ellery C. (See Minzey, George A., assignor.)
- Wright, Ellery C., Brockton, Mass. Hinged last. No. 1,100,276; June 16; Gaz. vol. 203; p. 736.
- Wright Engine Company. (See Wright, William J., assignor.)
- Wright, F. Warren, trustee. (See Turner, Thomas G., assignor.)
- Wright, Fenton, Fountain Grove, Mo. Coin-receptacle for savings-banks. No. 1,091,785; Mar. 31; Gaz. vol. 200; p. 1231.
- Wright, Floyd E. (See Waller and Wright.)
- Wright, Francis L., New Decatur, Ala. Metallic railway-tie. No. 1,117,471; Nov. 17; Gaz. vol. 208; p. 779.
- Wright, Francis M. (See Clarke, George W., assignor.)
- Wright, Francis M., trustee. (See Converse, Newton B., assignor.)
- Wright, Frank H., Chattanooga, Tenn. Furnace. No. 1,099,682; June 9; Gaz. vol. 203; p. 494.
- Wright, Frank R., Winfred, S. D. Corn-harvester. No. 1,113,857; Oct. 13; Gaz. vol. 207; p. 548.
- Wright, Fred W. (See Pearce, Parker, and Wright.)
- Wright, Frederic W., and C. R. Roof, New Glasgow, Nova Scotia, Canada. Manufacturing grip-nuts. No. 1,112,879; Oct. 6; Gaz. vol. 207; p. 164.
- Wright, George R., and F. W. Johnson, Sardis, British Columbia, Canada. Automatic spark-timer for internal-combustion engines. No. 1,109,732; Sept. 8; Gaz. vol. 206; p. 350.
- Wright, Gilbert. (See Ball and Wright.)
- Wright, Gilbert, Schenectady, N. Y., assignor to General Electric Company. Electrically-controlled door-lock. No. 1,097,154; May 19; Gaz. vol. 202; p. 757.
- Wright, Gilbert, Schenectady, N. Y., assignor to General Electric Company. Circuit protection. No. 1,105,392; July 28; Gaz. vol. 204; p. 1240.
- Wright, Gilbert, Schenectady, N. Y., assignor to General Electric Company. Internal-combustion engine. No. 1,109,192; Sept. 1; Gaz. vol. 206; p. 119.
- Wright, Gordon K., Hinsdale, Ill., assignor to Chicago Manufacturing & Distributing Company. Ratchet-wrench. No. 1,089,737; Mar. 10; Gaz. vol. 200; p. 412.
- Wright, Harry J., Bloomfield, N. J., assignor to himself, and E. L. Scillitoe, Stapleton, N. Y. Door closer and check. No. 1,114,216; Oct. 20; Gaz. vol. 207; p. 714.
- Wright, Ira O., Baltimore, Md. Draft and buffing gear for cars. No. 1,106,531; Aug. 11; Gaz. vol. 205; p. 373.
- Wright, Ira O., Baltimore, Md. Draft-gear. No. 1,115,760; Nov. 3; Gaz. vol. 208; p. 99.
- Wright, J. W. (See Burgin, Daniel W., assignor.)
- Wright, Jacob P., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for packing matches. No. 1,111,780; Sept. 29; Gaz. vol. 206; p. 1189.
- Wright, James, assignor of three-eighths to W. S. Stacey, Hamilton, Ontario, Canada. Safety-guard for power-presses. No. 1,107,395; Aug. 18; Gaz. vol. 205; p. 724.
- Wright, James B., Glory, Tex. Adjustable cultivator-pow standard. No. 1,120,779; Dec. 15; Gaz. vol. 209; p. 737.
- Wright, James C., Jr., Riverside, Cal. Coupling. No. 1,121,546; Dec. 15; Gaz. vol. 209; p. 1004.
- Wright, James G. (See Wylie and Wright.)
- Wright, James M., Keokuk, Iowa. Lock. No. 1,113,858; Oct. 13; Gaz. vol. 207; p. 549.
- Wright, John, Pollokshields, Glasgow, Scotland. Dies for use in the manufacture of inlaid linoleum. No. 1,100,463; June 16; Gaz. vol. 203; p. 800.
- Wright, John B., and F. O. Lawson, Greensboro, N. C. Air-brake mechanism. No. 1,115,644; Nov. 3; Gaz. vol. 208; p. 60.
- Wright, John B., and F. O. Lawson, Greensboro, N. C. Air-brake mechanism. No. 1,115,645; Nov. 3; Gaz. vol. 208; p. 60.
- Wright, John C., Burnet, Tex. Cotton-blocking attachment for cultivators. No. 1,087,341; Feb. 17; Gaz. vol. 199; p. 708.
- Wright, John E., Pittsburgh, Pa. Printing-telegraph. No. 1,090,365; Mar. 17; Gaz. vol. 200; p. 670.
- Wright, John E., Pittsburgh, Pa., assignor to Wright Telegraphic Typewriter Company, New York, N. Y. Keyboard for printing-telegraph systems. No. 1,090,366; Mar. 17; Gaz. vol. 200; p. 670.
- Wright, John E., Pittsburgh, Pa., assignor to Wright Telegraphic Typewriter Company, New York, N. Y. Translator for printing-telegraph systems. No. 1,090,367; Mar. 17; Gaz. vol. 200; p. 671.
- Wright, John E., Pittsburgh, Pa., assignor to Wright Telegraphic Typewriter Company, New York, N. Y. Transmitter for printing-telegraph systems. No. 1,090,368; Mar. 17; Gaz. vol. 200; p. 671.
- Wright, John E., assignor to Wright Telegraphic Typewriter Company, New York, N. Y. Translator for printing-telegraph systems. No. 1,120,261; Dec. 8; Gaz. vol. 209; p. 506.
- Wright, John M., Brainard, and C. M. East, Ulysses, Nebr. Draft appliance. No. 1,088,196; Feb. 24; Gaz. vol. 199; p. 1053.
- Wright, Joseph. (See Wright, Wilson D. C., assignor.)
- Wright, Joseph, Germantown, Pa. Food-receptacle. No. 1,083,718; Jan. 6; Gaz. vol. 198; p. 153.
- Wright, Joseph L., Washington, D. C., assignor, by mesne assignments, to F. C. Stevens, Attica, N. Y. Telephone-exchange system. No. 1,117,297; Nov. 17; Gaz. vol. 208; p. 718.
- Wright, Judson E., assignor of one-half to C. Frey, San Diego, Cal. Floating merry-go-round. No. 1,086,742; Feb. 10; Gaz. vol. 199; p. 451.
- Wright, Lane E., Fairgrange, Ill. Attachment for telephone-stands. No. 1,114,842; Oct. 27; Gaz. vol. 207; p. 986.
- Wright, Leslie E., Morgan City, La. Faucet-casing. No. 1,084,996; Jan. 20; Gaz. vol. 198; p. 638.
- Wright, Leslie L., New York, N. Y. Floor. No. 1,094,183; Apr. 21; Gaz. vol. 201; p. 775.
- Wright, Louis W., assignor to The H. B. Ives Company, New Haven, Conn. Casement-adjuster. No. 1,118,995; Dec. 1; Gaz. vol. 209; p. 32.
- Wright, Malcolm, Raspeburg, Md. Gage-cock. No. 1,111,632; Sept. 22; Gaz. vol. 206; p. 1100.
- Wright Manufacturing Company. (See Blatchford, Frank, assignor.)
- Wright, Morris S., assignor to Morris S. Wright Company, Worcester, Mass. Exhaust apparatus. No. 1,089,178; Mar. 3; Gaz. vol. 200; p. 176.
- Wright, Morris S., assignor to M. S. Wright Company, Worcester, Mass. Vacuum-cleaning apparatus for carpets and the like. No. 1,095,258; May 5; Gaz. vol. 202; p. 29.
- Wright, Morris S., assignor to M. S. Wright Company, Worcester, Mass. Combined vacuum-cleaner and carpet-sweeper. No. 1,109,492; Sept. 1; Gaz. vol. 206; p. 224.
- Wright, Morris S., assignor to M. S. Wright Company, Worcester, Mass. Apparatus for cleaning carpets and the like. No. 1,109,497; Sept. 1; Gaz. vol. 206; p. 225.
- Wright, Norman A., Pontiac, Mich. Spray-nozzle. No. 1,095,134; Apr. 28; Gaz. vol. 201; p. 1162.
- Wright, Orville and W. Dayton, Ohio, assignors to The Wright Company. Flying-machine. No. 1,122,348; Dec. 29; Gaz. vol. 209; p. 1357.
- Wright, Oscar, Pennant Hills, near Sydney, New South Wales, Australia. Manufacture of charcoal. No. 1,092,418; Apr. 7; Gaz. vol. 201; p. 102.
- Wright, Quincy A. (See Waller and Wright, assignors.)
- Wright, Reuben I., Wickliffe-on-the-Lake, assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Safety limit-stop. No. 1,113,593; Oct. 13; Gaz. vol. 207; p. 455.
- Wright, Reuben I., and H. F. Stratton, assignors to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Safety limit-switch. No. 1,113,592; Oct. 13; Gaz. vol. 207; p. 455.
- Wright, Richard H. (See Bracy, Edward L., assignor.)
- Wright, Richard H. (See Craggs, Ross V., assignor.)
- Wright, Richard H. (See Fischer, Louis, assignor.)
- Wright, Robert, Cleveland, Ohio. Convertible tire. No. 1,105,121; July 28; Gaz. vol. 204; p. 1141.
- Wright, Robert H., Nashville, assignor to Charleston S. C. Mining & Manufacturing Company, Mount Pleasant, Tenn. Washing and collecting apparatus. No. 1,103,390; July 14; Gaz. vol. 204; p. 451.
- Wright, Samson D., Cleveland, Ohio. Dump-car. No. 1,105,948; Aug. 4; Gaz. vol. 205; p. 127.
- Wright, Samson D., Cleveland, Ohio. Dump-car. No. 1,115,365; Oct. 27; Gaz. vol. 207; p. 1170.
- Wright Telegraphic Typewriter Company. (See Wright, John E., assignor.)
- Wright, Thomas, Jersey City, N. J. Delivery-nose for chute-wagons. No. 1,086,632; Feb. 10; Gaz. vol. 199; p. 413.
- Wright, Thomas, Jersey City, N. J. Dump-wagon. No. 1,086,633; Feb. 10; Gaz. vol. 199; p. 414.
- Wright, Thomas, Jersey City, N. J. Wagon-body. No. 1,099,004; June 2; Gaz. vol. 203; p. 219.

Alphabetical list of patentees—Continued.

- Wright, Thomas, Jersey City, N. J. Elevating-machine. No. 1,118,169; Nov. 24; Gaz. vol. 208; p. 1061.
- Wright, Thomas D., *et al.* (See Sheppard, John, assignor.)
- Wright, Thomas W., Henryetta, Okla. Conserving natural gas and oil. No. 1,101,605; June 30; Gaz. vol. 203; p. 1298.
- Wright, Walter, San Francisco, Cal., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Adding attachment for type-writing machines. No. 1,095,060; Apr. 28; Gaz. vol. 201; p. 1137.
- Wright, Walter, San Francisco, Cal., assignor, by mesne assignments, to Underwood Computing Machine Company. Computing mechanism. No. 1,105,170; July 28; Gaz. vol. 204; p. 1158.
- Wright, Walter B., Chicago, Ill. Storage bin or hopper. No. 1,094,826; Apr. 28; Gaz. vol. 201; p. 1057.
- Wright, Walter S. (See Talbott and Wright.)
- Wright, Wilbur. (See Wright, Orville and W.)
- Wright, Wilbur L., Washington, D. C. Neck formation for paper receptacles. No. 1,096,880; May 19; Gaz. vol. 202; p. 659.
- Wright, Wilbur L., Washington, D. C. Paper-material receptacle and the like. No. 1,107,869; Aug. 18; Gaz. vol. 205; p. 892.
- Wright, Wilbur L., Washington, D. C. Paper bottle and the like. No. 1,107,870; Aug. 18; Gaz. vol. 205; p. 892.
- Wright, William. (See Jackson and Wright.)
- Wright, William C., assignor of one-half to F. E. Lack, Paducah, Ky. Machine for uniting knit fabrics. No. 1,092,885; Apr. 14; Gaz. vol. 201; p. 296.
- Wright, William D., Providence, R. I. Car-fender. No. 1,111,346; Sept. 22; Gaz. vol. 206; p. 1002.
- Wright, William D. C. (See Holmes and Wright.)
- Wright, William E., *et al.* (See Lockhart, Robert R., assignor.)
- Wright, William H. (See Nichols and Wright.)
- Wright, William H., Duluth, Minn. Ammonia-still. No. 1,114,843; Oct. 27; Gaz. vol. 207; p. 987.
- Wright, William J., Franklin, Pa. Piston-packing. No. 1,097,069; May 19; Gaz. vol. 202; p. 728.
- Wright, William J., Franklin, assignor to Wright Engine Company, Pittsburgh, Pa. Combined internal-combustion and hot-air engine. No. 1,097,068; May 19; Gaz. vol. 202; p. 727.
- Wright, William J., and R. H. Hockin, Oak Lake, Manitoba, Canada. Automobile sleigh. No. 1,084,997; Jan. 20; Gaz. vol. 198; p. 638.
- Wright, William W. (See Dana, J. Frank, assignor.)
- Wright, Wilson D. C., Philadelphia, Pa. Timer and distributor. No. 1,120,112; Dec. 8; Gaz. vol. 209; p. 452.
- Wright, Wilson D. C., assignor of one-half to J. Wright, Philadelphia, Pa. Hydrocarbon-engine. No. 1,086,634; Feb. 10; Gaz. vol. 199; p. 414.
- Wright, Wilson D. C., Philadelphia, assignor of one-half to J. Wright, Germantown, Philadelphia, Pa. Internal-combustion engine. No. 1,095,485; May 5; Gaz. vol. 202; p. 108.
- Wright Wire Company. (See Barlow, Arthur E., assignor.)
- Wright Wire Company. (See Klinger, George H. and W. H., assignors.)
- Wright Wire Company. (See Martin, Frank, assignor.)
- Wright Wire Company. (See Neale, Harold J., assignor.)
- Wrightson, Charles M., Melrose Park, Pa. Recording and computing card. No. 1,090,587; Mar. 17; Gaz. vol. 200; p. 749.
- Wrigley, Henry I., assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Draft-plate for railway-cars. No. 1,101,228; June 23; Gaz. vol. 203; p. 1117.
- Wrikeman, John S., Kilgore, Ohio. Hinge. No. 1,092,236; Apr. 7; Gaz. vol. 201; p. 38.
- Writerpress Company, The. (See Bennett, Emmet M., assignor.)
- Wroclawski, Valenty, and M. Kolasinski, Chicago, Ill. Draft-gear. No. 1,107,396; Aug. 18; Gaz. vol. 205; p. 724.
- Wroeger, Harmon, Winthrop, Mass. Envelop. No. 1,091,028; Mar. 24; Gaz. vol. 200; p. 931.
- Wronker, Hermann, Frankfurt-on-the-Main, Germany. Machine for printing labels. No. 1,115,646; Nov. 3; Gaz. vol. 208; p. 61.
- Wroughton, Ernest, Nelson, Nebr. Cable-forming machine. No. 1,091,104; Mar. 24; Gaz. vol. 200; p. 956.
- Wuelser, Gottlieb, Columbus, Ohio. Machine for hardening steel. No. 1,118,723; Nov. 24; Gaz. vol. 208; p. 1257.
- Wuest, Edward H., Cincinnati, Ohio. Hand-bag. No. 1,104,463; July 21; Gaz. vol. 204; p. 865.
- Wuest, Philip, Jr., assignor to The Auto-Manual Piano Action Company, Philadelphia, Pa. Note-sheet. No. 1,111,121; Sept. 22; Gaz. vol. 206; p. 924.
- Wuest, Philip, Jr., assignor to The Auto-Manual Piano Action Company, Philadelphia, Pa. Automatic musical instrument. No. 1,111,122; Sept. 22; Gaz. vol. 206; p. 924.
- Wukstich, Peter, East Pittsburgh, Pa. Fire-escape. No. 1,106,608; Aug. 11; Gaz. vol. 205; p. 402.
- Wulf, Charles A., Indianapolis, Ind. Closet-flusher. No. 1,083,974; Jan. 13; Gaz. vol. 198; p. 266.
- Wullenweber, Ernest A., Detroit, Mich. Hot-air motor. No. 1,091,904; Mar. 31; Gaz. vol. 200; p. 1272.
- Wunderlich, Frederick, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Insulating sleeve or tube machine. No. 1,090,369; Mar. 17; Gaz. vol. 200; p. 672.
- Wunsch, Alexander C., Winnipeg, Manitoba, Canada. Water-motor. No. 1,083,975; Jan. 13; Gaz. vol. 198; p. 266.
- Wünsche, Helmuth H., Kirchsteinbek, near Hamburg, assignor to Pearson & Co., Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Stable mixture containing perborates. No. 1,105,739; Aug. 4; Gaz. vol. 205; p. 54.
- Wurst, August P. (See Wittler, Joseph F., assignor.)
- Württembergische Harmonikafabrik Ch. Weiss. (See Weiss, Bürker, and Heuschkel, assignors.)
- Wurtz, Elizabeth. (See Williams, Frank H., assignor.)
- Wuth, Berthold, Winters, Cal. Target for plumb-bob strings. No. 1,101,375; June 23; Gaz. vol. 203; p. 1167.
- Wutsch, Joseph A., Addison, Conn. Feeding attachment for knitting-machines. No. 1,097,115; May 19; Gaz. vol. 202; p. 743.
- Wyant, Alfred T., Rochester, N. Y. Stripping-spear for paper-rolls. No. 1,084,998; Jan. 20; Gaz. vol. 198; p. 638.
- Wyant, Bruce R., Maskell, Nebr. Clamp for holding plow-shares. No. 1,087,156; Feb. 17; Gaz. vol. 199; p. 643.
- Wyant, Thomas C., Dixon, Nebr. Fastening device. No. 1,097,498; May 19; Gaz. vol. 202; p. 876.
- Wyatt, Albert H., Pearl, Idaho. Motor. No. 1,118,093; Nov. 24; Gaz. vol. 208; p. 1035.
- Wyatt, Frederick W., *et al.* (See Boehm, Rudolph A., assignor.)
- Wyatt, Herbert J., Longbranch, Wash. Combined boring-machine and lathe. No. 1,096,881; May 19; Gaz. vol. 202; p. 659.
- Wyatt, James H. (See Scott, Wyatt, and Greathead.)
- Wyatt, John H., and W. and C. Haley, Rocky Ford, Colo. Level. No. 1,122,349; Dec. 29; Gaz. vol. 209; p. 1358.
- Wyatt, Thomas L., Lynchburg, Va. Switch-throw. No. 1,101,771; June 30; Gaz. vol. 203; p. 1354.
- Wyatt, Thomas L., Lynchburg, Va. Railway-switch. No. 1,105,393; July 28; Gaz. vol. 204; p. 1240.
- Wyche, Cyril H., Dallas, Tex. Device for manually propelling a body through the water. No. 1,090,004; Mar. 10; Gaz. vol. 200; p. 504.
- Wyckoff, Amos A. (See Williams, Edward L., assignor.)
- Wyckoff, Amos A., assignor to Wyckoff Safety Aerial Machine Co., Santa Cruz, Cal. Aerial machine. No. 1,084,777; Jan. 20; Gaz. vol. 198; p. 564.
- Wyckoff, Amos A., assignor of one-half to E. L. Williams, Santa Cruz, Cal. Coin-controlled lock. No. 1,110,664; Sept. 15; Gaz. vol. 206; p. 723.
- Wyckoff, Andrew D., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Settling-tank. No. 1,102,463; July 7; Gaz. vol. 204; p. 85.
- Wyckoff, J. L., *et al.*, trustees. (See Taylor, George P., assignor.)
- Wyckoff, Robert L., and J. D. Nangle, Independence, Kans. Valve-extractor for wells. No. 1,104,237; July 21; Gaz. vol. 204; p. 786.
- Wyckoff Safety Aerial Machine Co. (See Wyckoff, Amos A., assignor.)
- Wycoff, Amasa D., Villisca, Iowa. Escapement-adjustment for clocks. No. 1,095,259; May 5; Gaz. vol. 202; p. 29.
- Wygodsky Engine Company. (See Wygodsky, Leon, assignor.)
- Wygodsky, Leon, assignor to Wygodsky Engine Company, New York, N. Y. Engine. No. 1,114,217; Oct. 20; Gaz. vol. 207; p. 715.
- Wylde, Edward, New York, N. Y., and C. Schenck, Chicago, Ill., assignors to Elevator Supply & Repair Company. Door-controlling device. No. 1,090,370; Mar. 17; Gaz. vol. 200; p. 672.
- Wylde, Edward, New York, N. Y., and C. Schenck, Chicago, Ill., assignors to Elevator Supply & Repair Company. Door-controlling device. No. 1,105,053; July 28; Gaz. vol. 204; p. 1118.
- Wylie, Alfred R., and J. G. Wright, Big Spring, Tex. Vehicle-wheel. No. 1,083,976; Jan. 13; Gaz. vol. 198; p. 266.
- Wylie, Alfred W., Chicago, Ill. Curtain-tightening device. No. 1,099,959; June 16; Gaz. vol. 203; p. 625.
- Wylie, Hamilton N., Edinburgh, Scotland, assignor to Babcock & Wilcox Limited, London, England. Ship's davit or the like. No. 1,090,588; Mar. 17; Gaz. vol. 200; p. 750.
- Wylie Manufacturing Company. (See Boardman, John R., assignor.)
- Wylie, Thomas B., Pittsburgh, Pa. Volume and pressure register for fluids. No. 1,105,740; Aug. 4; Gaz. vol. 205; p. 54.
- Wylie, Thomas B., Pittsburgh, Pa. Apparatus for measuring the flow of fluids. No. 1,110,413; Sept. 15; Gaz. vol. 206; p. 633.

Alphabetical list of patentees—Continued.

- Wylls, Frank, Atlanta, assignor of one-fourth to O. A. Phelps, Gaylord, and six twenty-fifths to H. Lunden, Briley, Mich. Tire-protector. No. 1,094,827; Apr. 28; Gaz. vol. 201; p. 1058.
- Wyman, Alton L., Minneapolis, assignor to Winona Wagon Company, Winona, Minn. Lever. No. 1,089,615; Mar. 10; Gaz. vol. 200; p. 370.
- Wyman, Franklin A. (See Cox, Richard C., assignor.)
- Wyman, George R. (See Bird and Wyman.)
- Wyman, George W., Wilmington, Del. Steam-locomotive. No. 1,091,178; Mar. 24; Gaz. vol. 200; p. 982.
- Wyman, Horace, Worcester, Mass. Photograph-developing case. No. 1,101,229; June 23; Gaz. vol. 203; p. 1118.
- Wyman, Horace, Worcester, Mass. Photograph-film package. No. 1,101,230; June 23; Gaz. vol. 203; p. 1118.
- Wyman, Horace, Worcester, Mass. Photographic-film package. No. 1,101,231; June 23; Gaz. vol. 203; p. 1118.
- Wyman, Horace, Worcester, Mass., assignor to Crompton & Knowles Loom Works. Weft-replenishing loom. No. 1,089,369; Mar. 3; Gaz. vol. 200; p. 236.
- Wyman, Horace B., Houston, Tex. Carbureter. No. 1,093,901; Apr. 21; Gaz. vol. 201; p. 681.
- Wyman, William H., Oshkosh, assignor to J. G. Seelig, Ripon, Wis. Operating mechanism for washing-machines. No. 1,110,733; Sept. 15; Gaz. vol. 206; p. 747.
- Wymore, Joseph, Seattle, Wash. Moisture-proof box. No. 1,094,289; Apr. 21; Gaz. vol. 201; p. 808.
- Wynn, John, Jr., assignor to Climax Manufacturing Company, Canton, Ohio. Vacuum-producer. No. 1,116,194; Nov. 3; Gaz. vol. 208; p. 248.
- Wynn, John D. (See Kelso, Nyla Q., assignor.)
- Wynn, Thomas H., assignor of one-half to J. I. McLaren, Hamilton, Ontario, Canada. Automatic feeding device for tack-machines. No. 1,102,625; July 7; Gaz. vol. 204; p. 143.
- Wyskosky, Edward, Wilmington, Del. Umbrella. No. 1,104,598; July 21; Gaz. vol. 204; p. 914.
- Wysocki, John, Kewanee, Ill. Rail-tie. No. 1,102,845; July 7; Gaz. vol. 204; p. 218.
- Wysong, Olmedo C., Greensboro, N. C. Mortising-machine. No. 1,096,520; May 12; Gaz. vol. 202; p. 495.
- Wysong, Olmedo C., Greensboro, N. C. Abrasive apparatus. No. 1,096,882; May 19; Gaz. vol. 202; p. 660.
- Wysong, Olmedo C., Greensboro, N. C. Dovetailing-machine. No. 1,121,706; Dec. 22; Gaz. vol. 209; p. 1096.
- Wysong, Olmedo C., Greensboro, N. C. Dovetail joint and forming the same. No. 1,122,350; Dec. 29; Gaz. vol. 209; p. 1358.
- Wysong, William H., Dayton, Ohio. Whip-socket lock. No. 1,100,812; June 23; Gaz. vol. 203; p. 972.
- Wyvill, William H., and J. A. Talbott, Upper Marlboro, Md. Pipe-line coupling for railway-cars. No. 1,093,676; Apr. 21; Gaz. vol. 201; p. 606.
- X. L. Electric Company Limited. (See Aron, Leonard J., assignor.)
- Xiyas, John, *et al.* (See Holman, John C., assignor.)
- Yaccarine, Anthony E., Brooklyn, N. Y. Eraser-holder. No. 1,113,527; Oct. 13; Gaz. vol. 207; p. 433.
- Yaeger, Harry C., Poplar Bluff, Mo., assignor, by mesne assignments, to The Dalton Adding Machine Company, Cincinnati, Ohio. Recording-machine. No. 1,120,878; Dec. 15; Gaz. vol. 209; p. 772.
- Yaggy, Levi W., Pasadena, Cal. Signal. No. 1,083,114; Feb. 3; Gaz. vol. 199; p. 193.
- Yaggy, Levi W., New York, N. Y., assignor to W. E. Yaggy. Adding-machine. No. 1,122,052; Dec. 22; Gaz. vol. 209; p. 1219.
- Yaggy, Walter E. (See Yaggy, Levi W., assignor.)
- Yale Knitting Company. (See Marsh, Lester D., assignor.)
- Yale & Towne Manufacturing Company, The. (See Bal-lou, Waldo R., assignor.)
- Yale & Towne Manufacturing Company, The. (See Berry, Charles A., assignor.)
- Yale & Towne Manufacturing Company, The. (See Crouch, Thomas E., assignor.)
- Yale & Towne Manufacturing Company, The. (See Lewis, Rollin C., assignor.)
- Yale & Towne Manufacturing Company, The. (See Regan, Joseph C., assignor.)
- Yale and Towne Manufacturing Company, The. (See Richter, Paul C., assignor.)
- Yale & Towne Manufacturing Company, The. (See Schoell, Reinhold, assignor.)
- Yale & Towne Manufacturing Company, The. (See Taylor, Warren H., assignor.)
- Yamada, Daiji, Santa Ana, Cal. Electric-light-adjusting socket. No. 1,114,089; Oct. 20; Gaz. vol. 207; p. 668.
- Yandell, William V., Los Angeles, Cal. Tower-wagon. No. 1,091,419; Mar. 24; Gaz. vol. 200; p. 1059.
- Yankee Wizard Clock Company. (See Gage, Edward E., assignor.)
- Yankee Wizard Clock Company. (See Gubing, Frank, assignor.)
- Yano, Kichiro, Oaza, Chikami-Mura, Ochi-gun, Ehime-ken, Japan. Mechanical stoker for promoting smokeless combustion. No. 1,116,664; Nov. 10; Gaz. vol. 208; p. 457.
- Yantis, Guy, Yantis, Tex. Tire. No. 1,104,599; July 21; Gaz. vol. 204; p. 914.
- Yardusky, Charles, assignor of one-half to E. Bryant and P. C. Brashear, Castleton, N. Y. Box. No. 1,123,057; Dec. 29; Gaz. vol. 209; p. 1606.
- Yarian, Forrest E., Bourbon, Ind. Attachment for carriage-boots. No. 1,084,999; Jan. 20; Gaz. vol. 198; p. 639.
- Yarnall, David R., assignor to Yarnall-Waring Company, Philadelphia, Pa. Valve. No. 1,103,120; July 14; Gaz. vol. 204; p. 360.
- Yarnall-Waring Company. (See Yarnall, David R., assignor.)
- Yarnell, James J. (See Brooks, Sleppy, and Yarnell.)
- Yarrington, George W., Kenmore, Ohio. Bed. No. 1,098,419; June 2; Gaz. vol. 203; p. 22.
- Yarrow, Alfred F., Blaneifield, Scotland. Water-tube boiler. No. 1,101,606; June 30; Gaz. vol. 203; p. 1298.
- Yarrow, Alfred F., Stirling, Scotland. Synchronizing device for facilitating the coupling of rotating shafts. No. 1,110,414; Sept. 15; Gaz. vol. 206; p. 634.
- Yarrow, Harold E., Glasgow, Scotland. Burner for liquid fuel. No. 1,114,664; Oct. 20; Gaz. vol. 207; p. 870.
- Yaryan, Homer T., assignor to The Yaryan Naval Stores Company, Toledo, Ohio. Purifying rosin. No. 1,120,007; Dec. 8; Gaz. vol. 209; p. 417.
- Yaryan Naval Stores Company, The. (See Yaryan, Homer T., assignor.)
- Yates, Alonzo C., Alexandria county, Va. Guard for gut-ters. No. 1,101,047; June 23; Gaz. vol. 203; p. 1056.
- Yates, Benjamin F., and F. W. Cohen, Rochester, Minn. Door-latch. No. 1,102,313; July 7; Gaz. vol. 204; p. 32.
- Yates, Charles A., and H. Griswold, assignors of one-half to A. H. Griswold and one-half to L. R. Houchin, New York, N. Y. Locking handle device for receptacles. No. 1,100,464; June 16; Gaz. vol. 203; p. 800.
- Yates, Everett E., Ancram Lead Mines, N. Y. Clothes-washing device. No. 1,118,996; Dec. 1; Gaz. vol. 209; p. 33.
- Yates, Harry D., Washington, D. C. Self-recording manometer. No. 1,099,416; June 9; Gaz. vol. 203; p. 403.
- Yates, John W., New York, N. Y. Fusible link. No. 1,098,870; June 2; Gaz. vol. 203; p. 174.
- Yauch, Christian, Detroit, Mich. Skylight. No. 1,090,186; Mar. 17; Gaz. vol. 200; p. 609.
- Yauch, Christian, Detroit, Mich. Dormer. No. 1,103,461; July 14; Gaz. vol. 204; p. 476.
- Yauck, Edwin C., assignor to Rochester Photo Press, Rochester, N. Y. Imitation house. No. 1,110,093; Sept. 8; Gaz. vol. 206; p. 479.
- Yaw, Clio B., Arlington, N. J., assignor, by mesne assignments, to Remington Typewriter Company, Iliion, N. Y. Type-writing machine. No. 1,106,435; Aug. 11; Gaz. vol. 205; p. 337.
- Yaw, Clio B., Arlington, N. J., assignor to Remington Typewriter Company, Iliion, N. Y. Type-writing machine. No. 1,114,218; Oct. 20; Gaz. vol. 207; p. 715.
- Yawman & Erbe Manufacturing Company. (See Ackerman, Frederick W., assignor.)
- Yawman and Erbe Manufacturing Company. (See Schmidt, Robert F., assignor.)
- Yawman & Erbe Manufacturing Company. (See Weiss, Albert T., assignor.)
- Yawman & Erbe Manufacturing Company. (See Yawman, Philip H., assignor.)
- Yawman, Philip H., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Drawer-support. No. 1,109,812; Sept. 8; Gaz. vol. 206; p. 377.
- Yazel, Eugene, Vermilion, S. D. Washing-machine. No. 1,109,273; Sept. 1; Gaz. vol. 206; p. 148.
- Yeager, James W., Higginsville, Mo. Egg-tester. No. 1,097,832; May 26; Gaz. vol. 202; p. 1037.
- Yeager, Joseph H., Green, Kans. Clothes-pin. No. 1,110,025; Sept. 8; Gaz. vol. 206; p. 454.
- Yeakel, Abraham M., assignor of one-half to W. L. Yeakel, Perkasio, Pa. Clock. No. 1,089,099; Mar. 3; Gaz. vol. 200; p. 145.
- Yeakel, Wilson L. (See Yeakel, Abraham M., assignor.)
- Yeaman, Thomas B., Nashville, Tenn. Resilient wheel-tire. No. 1,093,902; Apr. 21; Gaz. vol. 201; p. 681.
- Yeates, James D., Bairnsdale, Victoria, Australia. Picker's and packer's bag. No. 1,085,887; Feb. 3; Gaz. vol. 199; p. 109.
- Yeatman, Alfred O., Vici, Okla. Cotton-chopper. No. 1,090,005; Mar. 10; Gaz. vol. 200; p. 504.
- Yeaton, Samuel C., New York, N. Y. Inner-sealed receptacle. No. 1,108,961; Sept. 1; Gaz. vol. 206; p. 36.
- Yemiker, John, Akron, Ohio. Collapsible core. No. 1,107,397; Aug. 18; Gaz. vol. 205; p. 725.
- Yemiker, John, Akron, Ohio. Collapsible core. No. 1,107,398; Aug. 18; Gaz. vol. 205; p. 725.
- Yeo, Frank C., Dany-y-coed, near Swansea, Wales, W. M. Hall, and T. A. Goskar, Westminster, London, England. Apparatus for the aeration of liquids. No. 1,086,972; Feb. 10; Gaz. vol. 199; p. 530.
- Yeocum, William, assignor to Star Cement Block Machine Company, Dallas City, Ill. Brick-machine. No. 1,102,708; July 7; Gaz. vol. 204; p. 170.
- Yeomans, Gustavus R., Marietta, Ohio. Combination plug and valve. No. 1,093,961; Apr. 21; Gaz. vol. 201; p. 700.

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- Yerby, Ross B., New York, N. Y. Bottle closure device. No. 1,100,935; June 23; Gaz. vol. 203; p. 1017.
- Yerkes, Albert E., Los Angeles, Cal. Multiple spraying device. No. 1,108,058; Aug. 18; Gaz. vol. 205; p. 958.
- Yerkes, Hulbert A., Hackensack, N. J., assignor to American Graphophone Company, Bridgeport, Conn. Coupling for listening-tubes. No. 1,107,471; Aug. 18; Gaz. vol. 205; p. 753.
- Yerness, Thomas A. T., Chicago, Ill. Safety device for airships. No. 1,100,277; June 16; Gaz. vol. 203; p. 736.
- Yerxa, Harry D. (See Taylor, John L., assignor.)
- Yerzley, William A., assignor to Nagle Re Blade Knife Company, Newark, N. J. Knife. No. 1,087,342; Feb. 17; Gaz. vol. 199; p. 709.
- Yerzley, William A., Newark, N. J., assignor, by mesne assignments, to Nagle Re Blade Knife Company, Inc., Schenectady, N. Y. Gang work-holder. No. 1,102,314; July 7; Gaz. vol. 204; p. 32.
- Yessne, Herman, Duluth, Minn. Dress-goods steamer. No. 1,095,061; Apr. 28; Gaz. vol. 201; p. 1138.
- Yetman, William H., assignor to Samuel L. Moore & Sons Corporation, Elizabeth, N. J. Automatic stopping device. No. 1,083,315; Jan. 6; Gaz. vol. 198; p. 19.
- Yingling, George S., Eau Gallie, Fla. Braking attachment for reels. No. 1,089,616; Mar. 10; Gaz. vol. 200; p. 371.
- Yingling, George S., Eau Gallie, Fla. Medicated insole for footwear. No. 1,113,726; Oct. 13; Gaz. vol. 207; p. 502.
- Yingling, Harvy C., Baltimore, Md. Controlling device for gas-burners. No. 1,092,686; Apr. 7; Gaz. vol. 201; p. 193.
- Yochem, John W., Tiffin, Ohio. Carpet-sweeper. No. 1,097,833; May 26; Gaz. vol. 202; p. 1037.
- Yochum, Theodore, Columbus, Ohio. Resilient wheel. No. 1,084,055; Jan. 13; Gaz. vol. 198; p. 294.
- Yocum, George C. (See Watson, Robert, assignor.)
- Yoder, Calvin, Denver, Ind. Wheel. No. 1,084,724; Jan. 20; Gaz. vol. 198; p. 547.
- Yoder, Charles B. (See Allum and Perkins, assignors.)
- Yoder, Noah, Hubbard, Oreg. Fence-wire holder. No. 1,095,614; May 5; Gaz. vol. 202; p. 151.
- Yoder, Samuel B., Lindsay, Cal. Churn. No. 1,115,146; Oct. 27; Gaz. vol. 207; p. 1095.
- Yoe, Philip, Dayton, Ohio. Voting-machine. No. 1,085,186; Jan. 27; Gaz. vol. 198; p. 739.
- Yoerg, Henry, *et al.* (See Conrath, Frederick, assignor.)
- Yoerg, Henry. (See Emerson and Yoerg.)
- Yoerger, George, Brooklyn, N. Y. Punching-bag hanger. No. 1,106,068; Aug. 4; Gaz. vol. 205; p. 168.
- Yohn, David W., Millerstown, Pa. Hay-loader. No. 1,087,624; Feb. 17; Gaz. vol. 199; p. 808.
- Yokoseki, Jishiu, Seattle, Wash. Head-covering. No. 1,093,162; Apr. 14; Gaz. vol. 201; p. 392.
- Yokoyama, Bunkichi, Los Angeles, Cal. Fly-paper holder. No. 1,089,520; Mar. 10; Gaz. vol. 200; p. 339.
- Yonker, Francher L., *et al.*, executors. (See Horrocks, William.)
- Yonker, Orrie A., Shenandoah, Iowa. Street-sprinkler. No. 1,120,177; Dec. 8; Gaz. vol. 209; p. 476.
- Yoran, Clarence G., Manchester, Iowa. Ordnance. No. 1,112,748; Oct. 6; Gaz. vol. 207; p. 120.
- York, Charles H., Moline, Ill. Railway-rail brace. No. 1,085,315; Jan. 27; Gaz. vol. 198; p. 785.
- York, John A., Mena, Ark. Lamp-burner. No. 1,095,765; May 5; Gaz. vol. 202; p. 203.
- York, Reuben G., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting apparatus. No. 1,090,187; Mar. 17; Gaz. vol. 200; p. 609.
- York Street Flax Spinning Company *et al.* (See McKee, James A., assignor.)
- York, Timothy S., Haverhill, Mass. Edge-setting iron. No. 1,122,836; Dec. 29; Gaz. vol. 209; p. 1528.
- Yorke, Patrick, assignor to P. H. Yorke, Washington, Pa. Metallic derrick. No. 1,090,955; Mar. 24; Gaz. vol. 200; p. 904.
- Yorke, Patrick H. (See Yorke, Patrick, assignor.)
- Yoshinaga, Kuzo, San Francisco, Cal. Hat-pin protector. No. 1,118,997; Dec. 1; Gaz. vol. 209; p. 33.
- Yoss, Emanuel, South Richmond, Va. Testing device for electrical ignition apparatus for explosive-engines. No. 1,095,486; May 5; Gaz. vol. 202; p. 108.
- Yost, Casper, Danville, Ill. Animal-trap. No. 1,086,259; Feb. 3; Gaz. vol. 199; p. 239.
- Yost Electric Manufacturing Company, The. (See Chapman and Kenney, assignors.)
- Yost Electric Manufacturing Company, The. (See Gordon, David D., assignor.)
- Yost, Lloyd, and C. B. Jahnke, Beloit, Wis., assignors to Fairbanks, Morse & Company, Chicago, Ill. Divided-spray injection-engine. No. 1,096,585; May 12; Gaz. vol. 202; p. 515.
- Yost, Winfield H., Montreal, Quebec, Canada, assignor to Rodger Ballast Car Company, Chicago, Ill. Car. No. 1,083,977; Jan. 13; Gaz. vol. 198; p. 267.
- Yost, Winfield H., Montreal, Quebec, Canada, assignor to Rodger Ballast Car Company, Chicago, Ill. Ballast-car. No. 1,116,863; Nov. 10; Gaz. vol. 208; p. 526.
- Yost, Winfield H., Montreal, Quebec, Canada, assignor to Rodger Ballast Car Company, Chicago, Ill. Ballast-car. No. 1,116,864; Nov. 10; Gaz. vol. 208; p. 527.
- Yost Writing Machine Company. (See Kettlewell, Robert B., assignor.)
- Youmans, Bartow B., College Park, Ga. Telegraph-key. No. 1,109,310; Sept. 1; Gaz. vol. 206; p. 160.
- Youmans, Charles E., Yonkers, N. Y. Rock-drill. No. 1,092,886; Apr. 14; Gaz. vol. 201; p. 296.
- Youmans, George P., Galesburg, assignor to Kalamazoo Tank and Silo Company, Kalamazoo, Mich. Silo. No. 1,087,524; Feb. 17; Gaz. vol. 199; p. 772.
- Youmans, George P., Galesburg, assignor to Kalamazoo Tank & Silo Company, Kalamazoo, Mich. Rotary cutter-head. No. 1,115,883; Nov. 3; Gaz. vol. 208; p. 141.
- Young, Andrew, Buffalo, N. Y. Marking-pen. No. 1,111,347; Sept. 22; Gaz. vol. 206; p. 1003.
- Young, Arlow E., Albion, Ind. Chair. No. 1,111,936; Sept. 29; Gaz. vol. 206; p. 1244.
- Young, Augustin E. (See Prior, Robert H., assignor.)
- Young, Charles D., Altoona, Pa. Locomotive superheater apparatus. No. 1,089,807; Mar. 10; Gaz. vol. 200; p. 436.
- Young, Charles D., Altoona, Pa. Brake-shoe. No. 1,119,383; Dec. 1; Gaz. vol. 209; p. 167.
- Young, Charles D., Pittsburgh, Pa. Automatic stoker. No. 1,113,398; Oct. 13; Gaz. vol. 207; p. 387.
- Young, Charles M., assignor of one-third to T. R. Arkell and one-third to C. Feild, Ottawa, Ontario, Canada. Film-drier. No. 1,108,306; Aug. 25; Gaz. vol. 205; p. 1093.
- Young, Charles S., *et al.* (See Graves, John W., assignor.)
- Young, Charles W., Chicago, Ill. Regulator for hot-water heating systems. No. 1,094,382; Apr. 21; Gaz. vol. 201; p. 838.
- Young, Clarence H. (See Hammond and Soule, assignors.)
- Young, Cleveland O., Chicago, Ill. Street and station indicator. No. 1,108,652; Aug. 25; Gaz. vol. 205; p. 1212.
- Young, Curtis M., Charleston, W. Va. Bag-holder. No. 1,083,786; Jan. 6; Gaz. vol. 198; p. 173.
- Young, Daniel H., Manchester, Iowa. Form and attachment for cultivator-teeth. No. 1,112,045; Sept. 29; Gaz. vol. 206; p. 1279.
- Young, Daniel H., Manchester, assignor of one-half to J. B. Evers, Hopkinton, and one-half to M. B. Young, Manchester, Iowa. Cultivator. No. 1,122,837; Dec. 29; Gaz. vol. 209; p. 1528.
- Young, Daniel W., Jr., Chicago, Ill. Self-heating sad-iron. No. 1,092,196; Apr. 7; Gaz. vol. 201; p. 25.
- Young, Earl R., assignor of one-half to W. H. Corcoran, Beloit, Wis. Gasolene-gage for automobiles. No. 1,121,441; Dec. 15; Gaz. vol. 209; p. 968.
- Young, Emil R., Jordan, Minn. Mechanical toy. No. 1,109,498; Sept. 1; Gaz. vol. 206; p. 226.
- Young, Frank E., and C. A. Bragg, Loomis, Nebr. Spark-arrester. No. 1,086,973; Feb. 10; Gaz. vol. 199; p. 531.
- Young, Frank S., Newark, N. J. Manufacturing magnesium carbonate from magnesias limestone. No. 1,101,772; June 30; Gaz. vol. 203; p. 1354.
- Young, George, Jr. (See Young, Joseph A. and G., Jr.)
- Young, George W., Seyppel, Ark. Box. No. 1,099,078; June 2; Gaz. vol. 203; p. 240.
- Young, Gustav, West Hoboken, N. J. Clothes-line support. No. 1,100,813; June 23; Gaz. vol. 203; p. 972.
- Young, Hanby L. (See McPherson, Samuel E., assignor.)
- Young, Harold, Joy, Ill. Friction-clutch. No. 1,099,230; June 9; Gaz. vol. 203; p. 338.
- Young, Harry W., Chicago, Ill. Fuse-holder. No. 1,087,417; Feb. 17; Gaz. vol. 199; p. 735.
- Young, Harry W., Chicago, Ill. Fuse-holder. No. 1,095,135; Apr. 28; Gaz. vol. 201; p. 1162.
- Young, Harry W., Chicago, Ill. Fuse-holder. No. 1,109,733; Sept. 8; Gaz. vol. 206; p. 351.
- Young, Harvey L., Dayton, Ohio. Cloth-cutting machine. No. 1,088,955; Mar. 3; Gaz. vol. 200; p. 98.
- Young, Hector S., *et al.* (See Bolen, Charley C., assignor.)
- Young, Henry B., Wooster, Ohio. Grip-socket. No. 1,091,266; Mar. 24; Gaz. vol. 200; p. 1012.
- Young, Henry T., Florence, S. C. Sweep-stock plow. No. 1,088,508; Feb. 24; Gaz. vol. 199; p. 1157.
- Young, Herbert W., Chicago, and A. S. Pearl, Maywood, Ill. Automobile-switch. No. 1,104,093; July 21; Gaz. vol. 204; p. 738.
- Young, Howard W., assignor of one-half to E. C. Miller, Baltimore, Md. Rail-holding device. No. 1,106,767; Aug. 11; Gaz. vol. 205; p. 457.
- Young, Hugo H., Loudonville, Ohio. Spark-plug. No. 1,114,219; Oct. 20; Gaz. vol. 207; p. 715.
- Young, Ira J., assignor to Western Wire Products Company, St. Louis, Mo. Machine for forming split pins or cotter-pins. No. 1,106,484; Aug. 11; Gaz. vol. 205; p. 357.
- Young, Ira J., assignor to Western Wire Products Company, St. Louis, Mo. Machine for forming split pins. No. 1,119,211; Dec. 1; Gaz. vol. 209; p. 108.
- Young, James B., Cumberland, Ind. Thermometer-case. No. 1,099,629; June 9; Gaz. vol. 203; p. 475.

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- Young, James L., Lacon, Ill. Adjustable fender. No. 1,099,630; June 9; Gaz. vol. 203; p. 475.
- Young, Jefferson D., Chattanooga, Okla., assignor to The Boltless Rail Joint Company, Wilmington, Del. Safety boltless rail-joint. No. 1,102,561; July 7; Gaz. vol. 204; p. 119.
- Young, Jefferson D., Chattanooga, Okla., assignor to The Boltless Rail Joint Company, Wilmington, Del. Rail-joint. No. 1,106,021; Aug. 4; Gaz. vol. 205; p. 152.
- Young, John, Chillicothe, Ohio. Baling-press. No. 1,114,090; Oct. 20; Gaz. vol. 207; p. 669.
- Young, John B., Los Angeles, Cal. Nut-lock. No. 1,099,005; June 2; Gaz. vol. 203; p. 219.
- Young, John M., San Francisco, Cal. Can-end closure. No. 1,100,005; June 16; Gaz. vol. 203; p. 641.
- Young, John M., San Francisco, Cal., assignor to American Can Company, New York, N. Y. Friction-top can. No. 1,091,612; Mar. 31; Gaz. vol. 200; p. 1170.
- Young, John S., Clarksburg, W. Va. Well-hole straightener. No. 1,095,487; May 5; Gaz. vol. 202; p. 109.
- Young, John W., Memphis, Tenn. Dust-catcher for air-pipes. No. 1,111,633; Sept. 22; Gaz. vol. 206; p. 1100.
- Young, Joseph A. and G. J., Jr., Bellevue, Iowa. Glass lens. No. 1,088,863; Mar. 3; Gaz. vol. 200; p. 65.
- Young, Joseph F., and O. J. Tebow, Tipton, Okla. Wire-stretcher. No. 1,104,600; July 21; Gaz. vol. 204; p. 914.
- Young, Lee, New York, N. Y. Washing-machine. No. 1,112,245; Sept. 29; Gaz. vol. 206; p. 1350.
- Young, Leonard A., Detroit, Mich. Bracer for spring structures. No. 1,085,232; Jan. 27; Gaz. vol. 198; p. 755.
- Young, Leonard A., Detroit, Mich. Latch. No. 1,110,368; Sept. 15; Gaz. vol. 206; p. 617.
- Young, Lewis G., New York, N. Y. Flying-machine. No. 1,109,892; Sept. 8; Gaz. vol. 206; p. 407.
- Young, Lewis G., assignor to M. E. Young, New York, N. Y. Flying-machine. No. 1,109,891; Sept. 8; Gaz. vol. 206; p. 406.
- Young, Lewis G., assignor to M. E. Young, New York, N. Y. Flying-machine. No. 1,109,893; Sept. 8; Gaz. vol. 206; p. 407.
- Young, Listen B., Guthrie Center, Iowa. Knife-arrester for mowers or binders. No. 1,091,105; Mar. 24; Gaz. vol. 200; p. 957.
- Young, Lucy A. (See Young, William W., assignor.)
- Young, Mary B., *et al.* (See Young, Daniel H., assignor.)
- Young, Mathew, Beatrice, Nebr. Elevator for binders. No. 1,102,846; July 7; Gaz. vol. 204; p. 218.
- Young, Minnie E. (See Young, Lewis G., assignor.)
- Young, Phillip, assignor to Six in One Electric Battery Company, Detroit, Mich. Primary cell. No. 1,120,354; Dec. 8; Gaz. vol. 209; p. 539.
- Young, Preston M., Jackson, Mich. Universal joint. No. 1,111,781; Sept. 29; Gaz. vol. 206; p. 1190.
- Young, Samuel D., trustee. (See Bucklin, Harrison, assignor.)
- Young, Samuel D., trustee. (See Hofman, John, assignor.)
- Young, Samuel D., trustee. (See Smith, Oscar L., assignor.)
- Young, Samuel H., Durden, Ga. Rail-tie-spacing device. No. 1,103,726; July 14; Gaz. vol. 204; p. 571.
- Young, Samuel M., New York, N. Y. System of automatic block-signaling for electric railways. No. 1,094,356; Apr. 21; Gaz. vol. 201; p. 829.
- Young, Stephen L., Syracuse, N. Y. Signal. No. 1,083,978; Jan. 13; Gaz. vol. 198; p. 267.
- Young, Stewart W., Palo Alto, assignor to The Thiogen Company, San Francisco, Cal. Fume-destroying process. No. 1,094,767; Apr. 28; Gaz. vol. 201; p. 1037.
- Young, Thomas C., Glendale, Cal. Water-circulating means for internal-combustion engines. No. 1,110,606; Sept. 15; Gaz. vol. 206; p. 702.
- Young, Wallace A. (See Beebe, William W., assignor.)
- Young, Walter L., Newport Beach, Cal. Well-drilling bit. No. 1,095,062; Apr. 28; Gaz. vol. 201; p. 1138.
- Young, William H. F., Muncie, Ind. Lock and latch. No. 1,112,347; Sept. 29; Gaz. vol. 206; p. 1384.
- Young, William W., assignor, by mesne assignments, to L. A. Young, Agawam, Mass. Making acoustic diaphragms. No. 1,097,499; May 19; Gaz. vol. 202; p. 876.
- Young, Willis G., assignor to Western Engineering Co., Chicago, Ill. Bottle-holder. No. 1,084,243; Jan. 13; Gaz. vol. 198; p. 359.
- Youngblood, David F., San Antonio, Tex. Locking system for jail-doors. No. 1,095,766; May 5; Gaz. vol. 202; p. 203.
- Younger, Charles, assignor of one-half to A. P. Walker, Rushville, Ind., and one-half to C. B. Smith, St. Louis, Mo., and M. E. Newhouse, Rushville, Ind. Corn-husker. No. 1,086,115; Feb. 3; Gaz. vol. 199; p. 193.
- Younger, Charles, assignor of one-half to A. P. Walker and one-half to C. B. Smith and M. E. Newhouse, Rushville, Ind. Corn gatherer and husker. No. 1,090,371; Mar. 17; Gaz. vol. 200; p. 672.
- Younger, Charles, assignor of one-half to A. P. Walker, Rushville, Ind., and one-half to C. B. Smith, St. Louis, Mo., and M. E. Newhouse, Rushville, Ind. Corn gathering and husking machine. No. 1,101,607; June 30; Gaz. vol. 203; p. 1299.
- Younger, T. W., *et al.* (See Shapiro, Charles H., assignor.)
- Youngerman, Samuel. (See Presnick and Youngerman.)
- Youngkvist, Amandus W., assignor to Easy Auto Wheel Company, Duluth, Minn. Spring-wheel. No. 1,111,204; Sept. 22; Gaz. vol. 206; p. 954.
- Youngman, John, and H. W. Drenan, assignors to The Vulcan Box Toe Process Co., Portsmouth, Ohio. Shoe-form. No. 1,102,464; July 7; Gaz. vol. 204; p. 85.
- Youngquist, Henry W., Manchester, N. H. Feeler mechanism for looms. No. 1,122,838; Dec. 29; Gaz. vol. 209; p. 1529.
- Youngren, Oscar A., Sheridan, Wyo. Life-preserver. No. 1,123,058; Dec. 29; Gaz. vol. 209; p. 1606.
- Youngstown Sheet and Tube Company, The. (See Neckerman, William M., assignor.)
- Youngstown Sheet and Tube Company, The. (See Neckerman and Blice, assignors.)
- Younie, Lewis E. (See Ball and Younie.)
- Yount, Charlie L. (See Fender and Yount.)
- Yount, Grace, Indianapolis, Ind. Bag-holder. No. 1,097,701; May 26; Gaz. vol. 202; p. 991.
- Yount, Jesse M., assignor of one-third to E. S. Brannaman and one-third to T. Finigin, San Francisco, Cal. Portable rheostat for welding apparatus. (Reissue.) No. 13,739; May 26; Gaz. vol. 202; p. 1229.
- Ypsilanti Lubricator Company. (See McCoy, Elijah, assignor.)
- Ytterberg, Arle T., Wisby, Sweden, assignor to W. M. Scott, Berwyn, Pa. Operating device for electric switches. No. 1,106,126; Aug. 4; Gaz. vol. 205; p. 190.
- Yuhas, Louis, Chicago, Ill. Operating means for velocipedes. No. 1,092,197; Apr. 7; Gaz. vol. 201; p. 25.
- Yung, George W., Dunkirk, N. Y. Instrument for laying out the edges of cutter-head knives. No. 1,090,006; Mar. 10; Gaz. vol. 200; p. 505.
- Yurow, Andrew, assignor of one-half to A. Uetz, New York, N. Y. Jimmy-proof lock. No. 1,102,118; June 30; Gaz. vol. 203; p. 1479.
- Zaar, Ludwig W., and J. Ubelaker, Chicago, Ill. Box-tie. No. 1,117,298; Nov. 17; Gaz. vol. 208; p. 718.
- Zabriskie, Edgar, *et al.* (See Rosentreter, Albert J., assignor.)
- Zabriskie, Henry L., Westfield, N. J., assignor to Diehl Manufacturing Company. Electric motor. No. 1,084,590; Jan. 13; Gaz. vol. 198; p. 472.
- Zabriskie, Henry L., Westfield, and F. Diehl, assignors to Diehl Manufacturing Company, Elizabeth, N. J. Electric fan. No. 1,115,147; Oct. 27; Gaz. vol. 207; p. 1095.
- Zabrocki, Tony, Winona, Minn. Photographic printing apparatus. No. 1,116,195; Nov. 3; Gaz. vol. 208; p. 249.
- Zacharias, Edwin H., Reading, Pa. Garment-pressing machine. No. 1,115,366; Oct. 27; Gaz. vol. 207; p. 1170.
- Zachry, Walter H., Atlanta, Ga. Mop. No. 1,120,431; Dec. 8; Gaz. vol. 209; p. 567.
- Zackey, William W., Philadelphia, Pa., assignor of forty-nine one-hundredths to C. B. Hewitt, Burlington, N. J. Sound-box. No. 1,092,552; Apr. 7; Gaz. vol. 201; p. 147.
- Zagar, John, Cleveland, Ohio. Collapsible chair. No. 1,098,072; May 26; Gaz. vol. 202; p. 1124.
- Zagar, John, Cleveland, Ohio. Collapsible chair. (Reissue.) No. 13,839; Dec. 1; Gaz. vol. 209; p. 309.
- Zagelmeyer, Frank, Bay City Mich. Making blocks. No. 1,086,116; Feb. 3; Gaz. vol. 199; p. 193.
- Zagora, Joseph, Racine, Wis. Fuel-delivery system. No. 1,106,270; Aug. 4; Gaz. vol. 205; p. 236.
- Zahl, Hjalmar, assignor of one-half to C. S. Olson, Duluth, Minn. Hopper-bottom dump-car. No. 1,097,577; May 19; Gaz. vol. 202; p. 902.
- Zahl, Julius, *et al.* (See Snodgrass, Charley, assignor.)
- Zahn, Albert F., Washington, D. C. Flying-machine. No. 1,107,231; Aug. 11; Gaz. vol. 205; p. 618.
- Zahn, Edward, assignor to Zahn Manufacturing Company, Buffalo, N. Y. Sterilizing bottles. No. 1,108,539; Aug. 25; Gaz. vol. 205; p. 1174.
- Zahn, George. (See Kühn and Zahn.)
- Zahn Manufacturing Company. (See Zahn, Edward, assignor.)
- Zahn Manufacturing Company. (See Walquist, Frank W., assignor.)
- Zahn, Henry W., Syracuse, Nebr. Harvester and binder. No. 1,102,847; July 7; Gaz. vol. 204; p. 218.
- Zahn, Robert, Plauen, Germany. Take-up-controlling means for embroidering-machines. No. 1,085,187; Jan. 27; Gaz. vol. 198; p. 740.
- Zahn, Robert, Plauen, Germany. Shuttle of embroidering-machines. No. 1,085,834; Feb. 3; Gaz. vol. 199; p. 91.
- Zahn, Robert, Plauen, Germany. Jacquard embroidering-machine. No. 1,090,898; Mar. 24; Gaz. vol. 200; p. 884.
- Zahn, Robert, Plauen, Germany. Fabric-winding device for embroidering-machines. No. 1,093,753; Apr. 21; Gaz. vol. 201; p. 631.
- Zahn, Robert, Plauen, Germany. Tension-controlling means for embroidering-machines. No. 1,094,044; Apr. 21; Gaz. vol. 201; p. 727.
- Zahn, Robert, Plauen, Germany. Automatic shuttle embroidering-machine. No. 1,094,510; Apr. 28; Gaz. vol. 201; p. 944.

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- Zahn, Robert, deceased, Plauen, Germany; A. Rietzsch, administrator. Embroidering-machine. No. 1,105,233; July 28; Gaz. vol. 204; p. 1181.
- Zahn, Robert, deceased, Plauen, Germany; A. Rietzsch, administrator. Take-up mechanism for embroidering-machines. No. 1,108,418; Aug. 25; Gaz. vol. 205; p. 1129.
- Zahn, Robert, deceased, Plauen, Germany; A. Rietzsch, administrator. Embroidering-machine. No. 1,117,743; Nov. 17; Gaz. vol. 208; p. 875.
- Zahn, Robert, deceased, Plauen, Germany; A. Rietzsch, administrator. Jacquard mechanism for embroidering-machines. No. 1,118,388; Nov. 24; Gaz. vol. 208; p. 1139.
- Zahn, Robert, deceased, Plauen, Germany; A. Rietzsch, administrator. Embroidering-machine. No. 1,118,612; Nov. 24; Gaz. vol. 208; p. 1218.
- Zahn, Robert, deceased, Plauen, Germany; A. Rietzsch, administrator. Shuttle embroidery-machine. No. 1,119,561; Dec. 1; Gaz. vol. 209; p. 229.
- Zahner, Edward J., Kansas City, Mo. Sheet-metal door. No. 1,091,905; Mar. 31; Gaz. vol. 200; p. 1273.
- Zahradnik, Wenzeslaus, Tschernitz, Germany. Permanently drawing sheet-glass rollers and other hollow articles immediately from the glass-harbor. No. 1,085,835; Feb. 3; Gaz. vol. 199; p. 91.
- Zähringer, Arnold, Stuttgart, Germany. Magneto-electric ignition apparatus. No. 1,113,147; Oct. 6; Gaz. vol. 207; p. 253.
- Zähringer, Arnold, assignor to Firm of R. Bosch, Stuttgart, Germany. Electrical ignition apparatus for internal-combustion engines. No. 1,091,906; Mar. 31; Gaz. vol. 200; p. 1273.
- Zajic, John. (See Reigle, Edward E., assignor.)
- Zallud, Charles, assignor, by mesne assignments, to R. Hoe and Co., New York, N. Y. Delivery mechanism for printing-machines. No. 1,087,206; Feb. 17; Gaz. vol. 199; p. 661.
- Zander, Ernst, Strassburg, Germany. Coin-tube. No. 1,110,174; Sept. 8; Gaz. vol. 206; p. 510.
- Zander, John, Chicago, Ill. Burner. No. 1,104,601; July 21; Gaz. vol. 204; p. 914.
- Zander, John, and J. Levey, Chicago, Ill.; said Levey assignor to said Zander. Refrigerating apparatus. No. 1,105,171; July 28; Gaz. vol. 204; p. 1158.
- Zander, John L., assignor to C. O. Sander, Irvington, N. J. Electric recorder. No. 1,092,323; Apr. 7; Gaz. vol. 201; p. 70.
- Zander, John L., assignor to C. O. Sander, Irvington, N. J. Electric recorder. No. 1,104,949; July 28; Gaz. vol. 204; p. 1083.
- Zander, John L., Newark, assignor to C. O. Sander, Irvington, N. J. Galvanometer. No. 1,098,871; June 2; Gaz. vol. 203; p. 174.
- Zander, Oscar A., Guldsmeshyttan, Sweden. Method and apparatus for separating ores or the like. No. 1,083,979; Jan. 13; Gaz. vol. 198; p. 267.
- Zanolli, Angelo, Pittsburgh, Pa. Folding basket. No. 1,089,686; Mar. 10; Gaz. vol. 200; p. 395.
- Zapf, Frank C. (See Barringer and Zapf.)
- Zapotoczny, Michal, Wilmerding, Pa. Wrench. No. 1,105,013; July 28; Gaz. vol. 204; p. 1104.
- Zappile, Paolo, New York, N. Y. Lock. No. 1,097,902; May 26; Gaz. vol. 202; p. 1064.
- Zarella, Peter, Medford, Mass. Dish-drainer. No. 1,114,220; Oct. 20; Gaz. vol. 207; p. 716.
- Zaremba Company. (See Zaremba and Mantius, assignors.)
- Zaremba, Edward, and O. Mantius, Buffalo, N. Y., assignors to Zaremba Company. Evaporator. No. 1,106,532; Aug. 11; Gaz. vol. 205; p. 374.
- Zaring, Glenn E., Washington, Iowa. Composition fence-post. No. 1,106,694; Aug. 11; Gaz. vol. 205; p. 431.
- Zars, Christian C., Addison, Ill. Level. No. 1,110,026; Sept. 8; Gaz. vol. 206; p. 454.
- Zart, Arthur. (See Günther and Zart.)
- Zart, Arthur. (See Schweitzer and Zart.)
- Zart, Arthur, Opladen, and H. Schweitzer, Leverkusen, near Cologne, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Azo dyes. No. 1,114,844; Oct. 27; Gaz. vol. 207; p. 987.
- Zavelberg, Albert, Hohenlohehütte, Germany. Roasting-furnace. No. 1,107,006; Aug. 11; Gaz. vol. 205; p. 538.
- Zavodnik, David, New York, N. Y. Dress. No. 1,114,954; Oct. 27; Gaz. vol. 207; p. 1027.
- Zawadzinski, Kazimierz, Wadowice, Austria-Hungary. Road-roller. No. 1,088,509; Feb. 24; Gaz. vol. 199; p. 1157.
- Zaweracz, Roman, Bentleyville, Pa. Folding table. No. 1,118,170; Nov. 24; Gaz. vol. 208; p. 1061.
- Zboyoski, Joseph. (See Melisch, John, assignor.)
- Zdrowski, Tadeusz, Pittston, Pa. Toilet article. No. 1,113,727; Oct. 13; Gaz. vol. 207; p. 502.
- Zeber, Daniel W. (See Wilson, Leonard B., assignor.)
- Zedlitz, Rudolph W. (See Hassel and Zedlitz.)
- Zee Socket and Mfg. Co., The. (See Both, Tonjes A. C., assignor.)
- Zeidler, Paul M., Mount Vernon, N. Y. Back frame for pianos. No. 1,095,691; May 5; Gaz. vol. 202; p. 177.
- Zeidler, William A., New York, N. Y. Ironing-machine. No. 1,086,498; Feb. 10; Gaz. vol. 199; p. 365.
- Zeigler, Julia A., et al. (See Jones, Grandville F., assignor.)
- Zeigler, Lyman H. (See McKinney and Zeigler.)
- Zeigler, Percy C., et al. (See Jones, Grandville F., assignor.)
- Zeiser, Dagobert, Troy, N. Y. Folding attachment for sewing-machines. No. 1,108,419; Aug. 25; Gaz. vol. 205; p. 1129.
- Zeiser, John R., Berwick, Pa. Mold. No. 1,092,622; Apr. 7; Gaz. vol. 201; p. 172.
- Zeiss, Firm of Carl. (See Eppenstein, Otto, assignor.)
- Zeiss, Firm of Carl. (See Eppenstein and Eckardt, assignors.)
- Zeiss, Firm of Carl. (See König, Albert, assignor.)
- Zeiss, Firm of Carl. (See Meyer, Franz, assignor.)
- Zeiss, Firm of Carl. (See Orel, Eduard von, assignor.)
- Zeiss, Firm of Carl. (See Pulfrich, Carl, assignor.)
- Zeiss, Firm of Carl. (See Rohr, Moritz von, assignor.)
- Zeiss, Firm of Carl. (See Saubermann, Siegmund, assignor.)
- Zeiss, Firm of Carl. (See Straubel, Rudolf, assignor.)
- Zeiss, Firm of Carl. (See Stützer, Rudolf, assignor.)
- Zeitler, Raymond S., Urbana, Ill. Transmission-gearing. No. 1,102,378; July 7; Gaz. vol. 204; p. 54.
- Zeitzy, John J. (See Pejauo and Zeitzy.)
- Zelenay, Constantine, Tver, Russia. Machine for excavating turf. No. 1,113,277; Oct. 13; Gaz. vol. 207; p. 344.
- Zeleszkiewicz, Roman, assignor of one-half to J. Mechocki, Chicago, Ill. Life-preserving suit. No. 1,122,459; Dec. 29; Gaz. vol. 209; p. 1395.
- Zelewski, Roman v., Engis, Villa d'Ehein, Belgium. Roasting ores, intermediate products, and other metalliferous materials. No. 1,097,500; May 19; Gaz. vol. 202; p. 877.
- Zelezniak, Jacob. (See Klimeczek and Zelezniak.)
- Zell, James H., assignor to The Aull Brothers Paper and Box Company, Dayton, Ohio. Folding box. No. 1,103,238; July 14; Gaz. vol. 204; p. 402.
- Zelle, Maurice M. (See Ray, William R. L., assignor.)
- Zelle, William C., assignor to Plantation Equipment Company, St. Louis, Mo. Tilling-machine. No. 1,084,918; Jan. 20; Gaz. vol. 198; p. 611.
- Zeller, George P. (See Nutter and Zeller.)
- Zeller, Melancthon E., Findlay, Ohio. Trace-carrier. No. 1,099,109; June 2; Gaz. vol. 203; p. 251.
- Zeller, William C., Perth Amboy, N. J., assignor to E. G. Draper, Brooklyn, N. Y. Composition for fire-proofing materials. No. 1,116,349; Nov. 3; Gaz. vol. 208; p. 301.
- Zellin, Wilhelm J. J., and F. P. Huyck, Toledo, Ohio; said Huyck assignor to said Zellin. Timing device. No. 1,111,123; Sept. 22; Gaz. vol. 206; p. 925.
- Zellweger, John, St. Louis, Mo. Hot-air furnace. No. 1,093,022; Apr. 14; Gaz. vol. 201; p. 342.
- Zeman, Louis, Tobias, Nebr. Wind-motor. No. 1,088,250; Feb. 24; Gaz. vol. 199; p. 1071.
- Zeman, Louis, Tobias, Nebr. Supplemental tire. No. 1,108,653; Aug. 25; Gaz. vol. 205; p. 1212.
- Zemborski, Dominick. (See Holzemer and Zemborski.)
- Zeni, Lorenzo, Scranton, Pa. Expanding carrier-spool. No. 1,113,082; Oct. 6; Gaz. vol. 207; p. 231.
- Zenke, Henry C., Richmond Hill, N. Y. Monitor. No. 1,083,580; Jan. 6; Gaz. vol. 198; p. 106.
- Zens, Joseph H., Milwaukee, Wis., assignor to Scott & Williams, Incorporated, Camden, N. J. Needle-controlling transfer means for knitting-machines. No. 1,084,778; Jan. 20; Gaz. vol. 198; p. 565.
- Zentz, Eugen. (See Keneder, Philipp, assignor.)
- Zentz, John M., David City, Nebr., assignor of one-half to S. F. Leonard. Combined cultivator and weed-cutter. No. 1,112,046; Sept. 29; Gaz. vol. 206; p. 1279.
- Zepp, Artimus G. (See French and Zepp.)
- Zerański, Stanislaw, Warsaw, Russia. Coffin. No. 1,102,626; July 7; Gaz. vol. 204; p. 143.
- Zerbarini, Angelo. (See Ghezzi, Domizio, assignor.)
- Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Thumb-screw. No. 1,094,768; Apr. 28; Gaz. vol. 201; p. 1037.
- Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Grease-cup. No. 1,100,814; June 23; Gaz. vol. 203; p. 972.
- Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Grease-cup. No. 1,109,641; Sept. 1; Gaz. vol. 206; p. 276.
- Zernik, Franz. (See Mannich and Zernik.)
- Zertuche, Ruben, Saltillo, Mexico. Driving means for hand-cars and other motors or vehicles. No. 1,111,205; Sept. 22; Gaz. vol. 206; p. 954.
- Zettell, Louie A., Flint, Mich. Train-stopping device. No. 1,114,091; Oct. 20; Gaz. vol. 207; p. 669.
- Zeunert, Hans C., Chicago, Ill. Strainer for coffee-pots. No. 1,113,859; Oct. 13; Gaz. vol. 207; p. 549.

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- Ziebarth, Friedrich, Frankfort-on-the-Main, Germany. Compressing wood or other elastic material. No. 1,089,687; Mar. 10; Gaz. vol. 200; p. 396.
- Ziegenfuss, Friedrich, assignor to Fried. Krupp Aktien-gesellschaft, Essen-on-the-Ruhr, Germany. Luminous projectile. No. 1,090,907; Mar. 10; Gaz. vol. 200; p. 505.
- Ziegenfuss, Friedrich, assignor to Fried. Krupp Aktien-gesellschaft, Essen-on-the-Ruhr, Germany. Luminous projectile. No. 1,108,654; Aug. 25; Gaz. vol. 205; p. 1212.
- Ziegler, Alfred A., Boston, Mass. Circuit-wire terminal. No. 1,112,044; Sept. 29; Gaz. vol. 206; p. 1279.
- Ziegler, Alfred A., Boston, Mass. Resistance unit. No. 1,115,647; Nov. 3; Gaz. vol. 208; p. 61.
- Ziegler, Alfred A., Boston, Mass. Bonding device for rails. No. 1,116,000; Nov. 3; Gaz. vol. 208; p. 183.
- Ziegler, Alfred M., Roxbury, Mass. Cast-off for suspenders. No. 1,119,771; Dec. 1; Gaz. vol. 209; p. 298.
- Ziegler, Barbara and L. Newark, N. J. Cleaning device. No. 1,120,780; Dec. 15; Gaz. vol. 209; p. 738.
- Ziegler, Friedrich, Charlottenburg, Germany, assignor to General Electric Company. System of lubrication. No. 1,113,081; Oct. 6; Gaz. vol. 207; p. 230.
- Ziegler, George H. (See Eliason and Ziegler.)
- Ziégler, Georges, Paris, France. Type-writing machine. No. 1,098,605; June 2; Gaz. vol. 203; p. 86.
- Ziegler, John C., Wichita Falls, Tex. Stove. No. 1,110,854; Sept. 15; Gaz. vol. 206; p. 788.
- Ziegler, John C., Wichita Falls, Tex. Gas-burning stove. No. 1,116,665; Nov. 10; Gaz. vol. 208; p. 457.
- Ziegler, Joram A., Chattanooga, Tenn., assignor to Elliott-Fisher Company, New York, N. Y. Ribbon mechanism for type-writing machines. No. 1,115,648; Nov. 3; Gaz. vol. 208; p. 62.
- Ziegler, Louis. (See Ziegler, Barbara and L.)
- Ziehm, Kurt F., Chicago, Ill., assignor to Felt & Tarrant Manufacturing Company. Calculating-machine. No. 1,110,734; Sept. 15; Gaz. vol. 206; p. 747.
- Zielfeldt, John A. V., Bridgeport, Conn. Fly-catcher. No. 1,087,058; Feb. 10; Gaz. vol. 199; p. 557.
- Zierden, William E., Johnsonburg, Pa. Expandable diaphragms. No. 1,109,499; Sept. 1; Gaz. vol. 206; p. 226.
- Zierden, William E., Johnsonburg, Pa. Condensation-remover. No. 1,116,196; Nov. 3; Gaz. vol. 208; p. 249.
- Zifferer, Lothar R., New York, N. Y. Expansion-bolt. No. 1,121,963; Dec. 22; Gaz. vol. 209; p. 1187.
- Zifferer, Lothar R., Chicago, Ill., assignor to U. S. Expansion Bolt Company, New York, N. Y. Anchored wall-fixture. No. 1,106,909; Aug. 11; Gaz. vol. 205; p. 507.
- Ziganek, Ferdinand. (See Wilkinson and Ziganek.)
- Ziganek, Ferdinand, and F. W. Wilkinson, West Toledo, Ohio. Adjustable strike-plate. No. 1,111,425; Sept. 22; Gaz. vol. 206; p. 1028.
- Ziganek, Ferdinand, and F. W. Wilkinson, West Toledo, Ohio. Latch for swinging doors. No. 1,111,426; Sept. 22; Gaz. vol. 206; p. 1029.
- Zihler, Léon L., Buffalo, N. Y. Stub-puller. No. 1,108,059; Aug. 18; Gaz. vol. 205; p. 958.
- Zika, Frank A., assignor of one-half to J. E. Barry, Chicago, Ill. Current conducting and distributing device for internal-combustion engines. No. 1,105,741; Aug. 4; Gaz. vol. 205; p. 54.
- Zika, Frank A., Evanston, assignor of one-half to J. E. Barry, Chicago, Ill. Apparatus for producing ignition-sparks within cylinders of internal-combustion engines. No. 1,110,415; Sept. 15; Gaz. vol. 206; p. 634.
- Zimmer, A. A. (See Heilos, Frank, assignor.)
- Zimmer, Frederick A., Covington, Ky. Poultry-feeder. No. 1,099,331; June 9; Gaz. vol. 203; p. 373.
- Zimmer, Karl L. V., Hamburg, Germany. Increasing the heat-resisting properties of bituminous or tarry materials. No. 1,084,520; Jan. 13; Gaz. vol. 198; p. 446.
- Zimmer, Paul H., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controlling device. No. 1,086,431; Feb. 10; Gaz. vol. 199; p. 342.
- Zimmer, Paul H., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,102,315; July 7; Gaz. vol. 204; p. 32.
- Zimmer, Paul H., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,119,384; Dec. 1; Gaz. vol. 209; p. 167.
- Zimmer, Wilhelm. (See Beringer and Zimmer.)
- Zimmerlin, Jules A. (See Messick, John C., assignor.)
- Zimmerman, A. W. (See Kane, Francis T., assignor.)
- Zimmerman, Abraham M., Lancaster, Pa. Molding-machine. No. 1,086,117; Feb. 3; Gaz. vol. 199; p. 193.
- Zimmerman, Alonzo, Ansted, W. Va. Rail tie and joint. No. 1,110,735; Sept. 15; Gaz. vol. 206; p. 747.
- Zimmerman, Anton, New Trier, Minn. Marine propeller. No. 1,094,184; Apr. 21; Gaz. vol. 201; p. 776.
- Zimmerman, Clarence I., deceased, Niagara Falls, N. Y.; J. G. Zimmerman, administrator, assignor to General Electric Company. Electric converter. No. 1,099,960; June 16; Gaz. vol. 203; p. 625.
- Zimmerman, Edward, and C. B. Britt, Kansas City, Mo. Spool-holder. No. 1,114,568; Oct. 20; Gaz. vol. 207; p. 839.
- Zimmerman, Ervin H., Perry, Ill. Elevator. No. 1,090,670; Mar. 17; Gaz. vol. 200; p. 777.
- Zimmerman, Eugen, Peoria, Ill. Bed-covering-sustaining means. No. 1,112,514; Oct. 6; Gaz. vol. 207; p. 36.
- Zimmerman, George S. (See Zimmerman and Wilker.)
- Zimmerman, Harry, Fremont, Ohio. Die. No. 1,085,778; Feb. 3; Gaz. vol. 199; p. 72.
- Zimmerman, Harry C. (See Zimmerman and Wilker.)
- Zimmerman, James G., administrator. (See Zimmerman, Clarence I.)
- Zimmerman, James H., Placerville, Cal. Automobile repairer's support. No. 1,104,398; July 21; Gaz. vol. 204; p. 842.
- Zimmerman, James L. M., Philadelphia, Pa. Gas-lighter. No. 1,100,936; June 23; Gaz. vol. 203; p. 1017.
- Zimmerman, John, Council Bluffs, Iowa. Baffle-plate door. No. 1,104,950; July 28; Gaz. vol. 204; p. 1083.
- Zimmerman, John, H. C., and G. S., and F. Wilker, Tavistock, Ontario, Canada. Feeding attachment for tonguing and grooving machines. No. 1,121,707; Dec. 22; Gaz. vol. 209; p. 1097.
- Zimmerman, John W., deceased, Chicago, Ill.; F. L. Manton, administrator. Toy. No. 1,115,148; Oct. 27; Gaz. vol. 207; p. 1096.
- Zimmerman, Robert M., Montreal, Quebec, Canada, assignor to National Dump Car Company. Dump-car. No. 1,123,059; Dec. 29; Gaz. vol. 209; p. 1606.
- Zimmerman, W. J., et al. (See Shapiro, Charles H., as signor.)
- Zimmermann, John, assignor of two-fifths to R. L. Carter, Louisville, Ky. Dirigible headlight. No. 1,088,675; Feb. 24; Gaz. vol. 199; p. 1211.
- Zimmermann, Louis. (See Litchfield and Zimmermann.)
- Zimmermann, Paul G., San Juan, Porto Rico. Driving mechanism for airships. No. 1,089,029; Mar. 3; Gaz. vol. 200; p. 121.
- Zimmermann, Seraph, St. Vincent, Ark. Pulling-jack. No. 1,096,662; May 12; Gaz. vol. 202; p. 542.
- Zimmers, Abraham M., Baltimore, Md. Mop-holder. No. 1,098,073; May 26; Gaz. vol. 202; p. 1124.
- Zimmers, Abraham M., Baltimore, Md. Wheel-tire. No. 1,103,642; July 14; Gaz. vol. 204; p. 543.
- Zink, George, Waynesboro, Pa. Variable-speed-transmission gearing. No. 1,121,442; Dec. 15; Gaz. vol. 209; p. 968.
- Zinkeisen, Oscar T., New York, N. Y., and R. N. Riddle, Rahway, N. J.; said Riddle assignor to said Zinkeisen. Mixer, retort, and digester. No. 1,086,432; Feb. 10; Gaz. vol. 199; p. 342.
- Zinner, Ernest, assignor to Chalmers Motor Company, Detroit, Mich. Hood. No. 1,113,728; Oct. 13; Gaz. vol. 207; p. 502.
- Zinsser, Frederick G. (See Nissinen, Toimi A., assignor.)
- Zinsser, Frederick G. (See Nissinen and Hartwig, assignors.)
- Zintek, William J., St. Paul, Minn. Turbinal screw-propeller. No. 1,090,956; Mar. 24; Gaz. vol. 200; p. 905.
- Zippler, Michael, Jr., Pittsburgh, Pa. Cupola-furnace. No. 1,092,623; Apr. 7; Gaz. vol. 201; p. 173.
- Zipser, Victor A., New York, N. Y. Mechanism for totaling the number of revolutions of a rotary body. No. 1,100,278; June 16; Gaz. vol. 203; p. 736.
- Zirbel, Emil F. (See Osborn and Zirbel.)
- Zirkle, Mark H., Cooksville, Ill. Check-row corn-planter. No. 1,100,465; June 16; Gaz. vol. 203; p. 801.
- Zirkonglas Gesellschaft m. b. H. Weissfrauenhof. (See Wolf-Burckhardt and Borchers, assignors.)
- Zistel, Oscar, Sandusky, Ohio. Aerating apparatus. No. 1,109,193; Sept. 1; Gaz. vol. 206; p. 120.
- Zitscher, Arthur. (See Laska and Zitscher.)
- Zitscher, Arthur. (See Winther, Laska, Zitscher, Kunert, and Acker.)
- Zitscher, Arthur, Offenbach-on-the-Main, assignor to Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Making the arylamids of 2,3-oxynaphthoic acid. No. 1,101,111; June 23; Gaz. vol. 203; p. 1077.
- Zitscher, Arthur, F. Kunert, and E. Acker, Offenbach-on-the-Main, assignors to Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Condensation products from the arylamids of 2,3-oxynaphthoic acid and formaldehyde and azo dyestuffs therefrom and making same. No. 1,122,564; Dec. 29; Gaz. vol. 209; p. 1430.
- Zivnostenska, Banka. (See Richardt, Philip, assignor.)
- Zlotorzynski, Alexander J., Shamokin, Pa. Safety cranking device for automobiles. No. 1,107,007; Aug. 11; Gaz. vol. 205; p. 538.
- Zobel, Frederick C., New York, N. Y. Garter. No. 1,101,609; June 30; Gaz. vol. 203; p. 1300.
- Zobel, Frederick C., New York, N. Y. Interlocking hinge. No. 1,113,278; Oct. 13; Gaz. vol. 207; p. 345.
- Zoelly, Heinrich, Zurich, Switzerland. Explosion gas-turbine. No. 1,089,892; Mar. 10; Gaz. vol. 200; p. 465.
- Zoerkler, Frank, Fryburg, Pa. Gate opening and closing mechanism. No. 1,111,282; Sept. 22; Gaz. vol. 206; p. 980.
- Zoffer Plate Glass Manufacturing Company. (See Bag-nall, Edward, assignor.)
- Zohm, Margaret, et al. (See Zohm, Richard, assignor.)

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- Zoll, John C., Northstar, Mich. Wheel-block for automobiles. No. 1,088,051; Feb. 24; Gaz. vol. 199; p. 1003.
- Zollars, Paul T., Olathe, Kans. Shock-loader. No. 1,102,848; July 7; Gaz. vol. 204; p. 219.
- Zoller, Ethel, Lansing, Mich. Churn. No. 1,101,773; June 30; Gaz. vol. 203; p. 1355.
- Zoller, Joseph, Chicago, Ill. Pocket-case. No. 1,102,379; July 7; Gaz. vol. 204; p. 54.
- Zolling, Richard, Oakland, Cal. Tank-ship. No. 1,103,239; July 14; Gaz. vol. 204; p. 402.
- Zöllner, Clemens, Charlottenburg, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Glycolic acid esters of 2-phenyl-quinolin-4-carboxylic acid. No. 1,086,881; Feb. 10; Gaz. vol. 199; p. 501.
- Zonne, Charles S., Minneapolis, Minn. Bottle-crown. No. 1,112,880; Oct. 6; Gaz. vol. 207; p. 164.
- Zook, George W., Buffalo, Kans. Door for silos. No. 1,117,744; Nov. 17; Gaz. vol. 208; p. 876.
- Zook, Jacob M., Zooks Corner, Pa. Tobacco-lath holder. No. 1,116,966; Nov. 10; Gaz. vol. 208; p. 561.
- Zorn, Fritz, Fienstedt, Germany. Drying apparatus. No. 1,120,879; Dec. 15; Gaz. vol. 209; p. 773.
- Zorsch, Edward A., Rochester, N. Y. Profile and cross-section plotters. No. 1,083,421; Jan. 6; Gaz. vol. 198; p. 55.
- Zottich, Felix, Pola, Austria-Hungary. Gyroscopic steering mechanism for torpedoes. No. 1,098,074; May 26; Gaz. vol. 202; p. 1124.
- Zoulek, Matthew A., Old Mission, Mich. Sack for fruit. No. 1,111,937; Sept. 29; Gaz. vol. 206; p. 1244.
- Zschokke, Walther, Steglitz, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Berlin, Germany. Spherically, chromatically, astigmatically, and comatically corrected double objective. No. 1,108,307; Aug. 25; Gaz. vol. 205; p. 1093.
- Zsemba, Andrew, Berkeley, Cal. Insole. No. 1,120,113; Dec. 8; Gaz. vol. 209; p. 453.
- Zsembery, Sándor. (See Horváth, Sándor, assignor.)
- Zsilavetz, John, South Bethlehem, Pa. Ship's table. No. 1,088,118; Feb. 24; Gaz. vol. 199; p. 1026.
- Zuber, Gottlieb, St. Louis, Mo., assignor of one-half to H. G. Zuber, Murphysboro, Ill. Water-heater. No. 1,098,544; June 2; Gaz. vol. 203; p. 66.
- Zuber, Herman G. (See Zuber, Gottlieb, assignor.)
- Zubler, Johann J., Brombach, Germany, assignor to Maschinenfabrik Rüti, formerly Caspar Honegger, Rüti, Switzerland. Automatic stopping device for power-looms with fixed reeds. No. 1,104,951; July 28; Gaz. vol. 204; p. 1084.
- Zublin, Hans, Buenos Aires, Argentina. Bucket conveyer. No. 1,117,939; Nov. 17; Gaz. vol. 208; p. 941.
- Zuck, Emerson S., Cleveland, Ohio, assignor to Westinghouse Electric and Manufacturing Company. System of control for electric motors. No. 1,110,094; Sept. 8; Gaz. vol. 206; p. 479.
- Zuck, Nicholas, and F. G. Pfistner, Rochester, N. Y. Laminated fabric for garments. No. 1,114,569; Oct. 20; Gaz. vol. 207; p. 839.
- Zucker, Anna, Livingston, Mont. Mosquito-hood. No. 1,087,418; Feb. 17; Gaz. vol. 199; p. 736.
- Zuckerman, Emil, Yonkers, N. Y. Hinge. No. 1,108,308; Aug. 25; Gaz. vol. 205; p. 1094.
- Zuckschwerdt, Fritz F., Ilmenau, Germany, assignor to L. B. Kauffman, Columbus, Ohio. Thermometer. No. 1,101,003; June 23; Gaz. vol. 203; p. 1040.
- Zug, James K., Fayetteville, Pa. Stone-picker. No. 1,098,207; May 26; Gaz. vol. 202; p. 1168.
- Zugschwerdt, Chester C., Garden City, S. D. Shock-tying device. No. 1,086,974; Feb. 10; Gaz. vol. 199; p. 531.
- Zuill, Walter J., Syracuse, N. Y. Washing-machine. No. 1,086,635; Feb. 10; Gaz. vol. 199; p. 415.
- Zukor, Arnold, New York, N. Y. Automatic railway-signal. No. 1,097,382; May 19; Gaz. vol. 202; p. 837.
- Zukor, Arnold, New York, N. Y. Automatic stop for railways. No. 1,106,910; Aug. 11; Gaz. vol. 205; p. 507.
- Zumbusch, Leo M. A., Johannesburg, Transvaal, South Africa. Machine for concentrating ore and other material. No. 1,096,087; May 12; Gaz. vol. 202; p. 347.
- Zumino, Lorenzo, San Francisco, assignor to T. J. O'Leary, Oakland, Cal. Combined baby chair and cart. No. 1,117,952; Nov. 17; Gaz. vol. 208; p. 946.
- Zunner, John H. G., assignor to Zunner Machines Company, Rochester, N. Y. Keg-washing machine. No. 1,090,263; Mar. 17; Gaz. vol. 200; p. 635.
- Zunner Machines Company. (See Zunner, John H. G., assignor.)
- Zurowski, Tomasz, Hammond, Ind. Trap. No. 1,120,114; Dec. 8; Gaz. vol. 209; p. 453.
- Zusi, Norman E., Newark, N. J., assignor to Meisselbach-Catucci Mfg. Co. Hobbing special-shaped toothed gears. No. 1,104,859; July 28; Gaz. vol. 204; p. 1052.
- Zwermann, Carl H., Kalamazoo, Mich. Flush-tank valve of the diaphragm type. No. 1,097,501; May 19; Gaz. vol. 202; p. 877.
- Zwermann, Carl H., Kalamazoo, Mich. Flush-tank valve of the diaphragm type. No. 1,117,617; Nov. 17; Gaz. vol. 208; p. 828.
- Zwettler, Hermann J. (See McDermott and Zwettler.)
- Zwick, Samuel, South Manchester, Conn. Wrench. No. 1,114,423; Oct. 20; Gaz. vol. 207; p. 788.
- Zwickle, John M., Roanoke, Va. Crate. No. 1,083,787; Jan. 6; Gaz. vol. 198; p. 174.
- Zwickle, John M., Roanoke, Va. Crate. No. 1,097,502; May 19; Gaz. vol. 202; p. 877.
- Zwiesler, Louis, Kansas City, Mo. Conduit system for mines. No. 1,120,880; Dec. 15; Gaz. vol. 209; p. 773.
- Zwilling, Joseph, assignor to Western Electric Company, New York, N. Y. Protector. No. 1,106,911; Aug. 11; Gaz. vol. 205; p. 507.
- Zwingenberger, Otto K., Perth Amboy, N. J., assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Heating and evaporating liquids. No. 1,104,285; July 21; Gaz. vol. 204; p. 803.
- Zwoyer, Ellsworth B. A., Hoboken, and R. A. Zwoyer, Perth Amboy, N. J., assignors to The Zwoyer Fuel Company, New York, N. Y. Apparatus for preparing pulverulent materials for molding or briquetting. No. 1,084,919; Jan. 20; Gaz. vol. 198; p. 612.
- Zwoyer, Ellsworth B. A., Hoboken, and R. A. Zwoyer, Perth Amboy, N. J., assignors to The Zwoyer Fuel Company, New York, N. Y. Preparing pulverulent materials for molding or briquetting. No. 1,084,920; Jan. 20; Gaz. vol. 198; p. 612.
- Zwoyer Fuel Company, The. (See Zwoyer, Ellsworth B. A. and R. A., assignors.)
- Zwoyer, Rolland A. (See Zwoyer, Ellsworth B. A. and R. A.)
- Zygalski, John R., Wallingford, Conn. Mechanical shovel. No. 1,109,194; Sept. 1; Gaz. vol. 206; p. 120.
- Zywar, Michael. (See Wielobób, John, assignor.)

ALPHABETICAL LIST OF PATENTEES OF DESIGNS.

- A. Weiskittel & Son Co. (See Heller, David, assignor.)
A. Ziegler & Sons Co. (See Ziegler, Alfred M., assignor.)
A. A. Vantine & Co. (See Wolfson, Charles D., assignor.)
A. F. Ward Machinery Co., The. (See Ward, Ashley F., assignor.)
A. G. Spalding & Bros. Man'g. Co. (See Reach, Milton B., assignor.)
A. H. & F. H. Lippincott. (See Lippincott, Fisher H., assignor.)
Aaron, Max N., Philadelphia, Pa. Knitted trimming for underwear. Nos. 46,104-5; July 21; Gaz. vol. 204; p. 974.
Abbath, Charles A., Quincy, Ill. Draw-knife rack. No. 45,139; Jan. 13; Gaz. vol. 198; p. 477.
Abbath, Charles A., Quincy, Ill. Bit-brace rack. No. 45,140; Jan. 13; Gaz. vol. 198; p. 477.
Abbath, Charles A., Quincy, Ill. Square-rack. No. 45,141; Jan. 13; Gaz. vol. 198; p. 477.
Abram Cox Stove Company. (See Van Buren, Jafew S., assignor.)
Abrams, William, Chicago, Ill. Plate. No. 46,106; July 21; Gaz. vol. 204; p. 975.
Abrams, William, Chicago, Ill. Plate. No. 46,617; Nov. 3; Gaz. vol. 208; p. 306.
Acre, Ray E., Chicago, Ill. Gas-engine cylinder and casing. No. 45,218; Feb. 10; Gaz. vol. 199; p. 574.
Adams, Walter S., assignor to The J. G. Brill Co., Philadelphia, Pa. Car-truck bolster. Nos. 45,682-3; Apr. 28; Gaz. vol. 201; p. 1186.
Adams, Walter S., assignor to The J. G. Brill Co., Philadelphia, Pa. Spring-cap. No. 45,684; Apr. 28; Gaz. vol. 201; p. 1186.
Adams & Westlake Company, The. (See Newbold, Roger M., assignor.)
Aiken, Alice M., Cleveland, Ohio. Sanitary protector. Nos. 45,443-4; Mar. 24; Gaz. vol. 200; p. 1080.
Albert Pick & Company. (See Palmer, John W., assignor.)
Alexander Brothers. (See Schweizer, Jacob O., assignor.)
Alexander, Julia S., Highbridge, N. Y. Sun-dial. No. 46,390; Sept. 15; Gaz. vol. 206; p. 846.
Allen, Charles H., Syracuse, N. Y. Casing for hand spraying apparatus. No. 46,157; July 28; Gaz. vol. 204; p. 1314.
Allen, Charles J., Moorestown, N. J. Gear-casing. No. 45,828; May 26; Gaz. vol. 202; p. 1230.
Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Handle for spoons, forks, or similar articles. No. 45,976; June 23; Gaz. vol. 203; p. 1223.
Allen, John S., Rochester, N. Y. Bicycle-frame. No. 45,219; Feb. 10; Gaz. vol. 199; p. 574.
Allen, Luther G., Brooklyn, N. Y. Lavatory or wash-stand. No. 45,283; Feb. 24; Gaz. vol. 199; p. 1212.
Allen, Samuel L., Moorestown, N. J. Sled-standard. No. 45,282; Feb. 24; Gaz. vol. 199; p. 1212.
Allison, Estelle, San Francisco, Cal. Toy figure. No. 46,158; July 28; Gaz. vol. 204; p. 1314.
Allison, Estelle, San Francisco, Cal. Toy figure. No. 46,241; Aug. 11; Gaz. vol. 205; p. 625.
Almaker, Hermann, New York, N. Y. Collar. No. 45,611; Apr. 21; Gaz. vol. 201; p. 861.
Alpaugh, Samuel P., Martins Ferry, Ohio, assignor to Wheeling Sanitary Manufacturing Company, Wheeling, W. Va. Lavatory. No. 45,284; Feb. 24; Gaz. vol. 199; p. 1212.
Altenberg, George P., Cincinnati, Ohio. Metal casing for vacuum-insulated carafes. No. 45,098; Jan. 6; Gaz. vol. 198; p. 213.
Altenberg, George P., Cincinnati, Ohio. Holder for carafes. No. 45,220; Feb. 10; Gaz. vol. 199; p. 574.
American Arch Company. (See Neff, John P., assignor.)
American Crayon Company, The. (See Daniels, Charles E., assignor.)
American Electrical Heater Company. (See Kuhn, Frank, assignor.)
American Enamel Co. (See Hawley, John H., assignor.)
American Graphophone Company. (See Woods, Clinton E., assignor.)
American Hardware Corporation, The. (See Booth, William H., assignor.)
American Pin Company. (See Nash, John J., assignor.)
American Silver Company, The. (See Large, Samuel J., assignor.)
American Stopper Company. (See Corey, Harry R., assignor.)
American Stove Company. (See Roy, Joseph, assignor.)
American Tobacco Company. (See Kinghorne, Joseph W., assignor.)
American Type Founders Company. (See Benton, Morris F., assignor.)
Anderson, John L., Ogden, Utah. Orange and grapefruit knife. No. 46,159; July 28; Gaz. vol. 204; p. 1315.
Anklam, William F., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp. No. 46,272; Aug. 18; Gaz. vol. 205; p. 979.
Apple Electric Company, The. (See Apple, Vincent G., assignor.)
Apple, Vincent G., Dayton, Ohio. Dynamo-base. No. 45,977; June 23; Gaz. vol. 203; p. 1224.
Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. Dynamo-casing. No. 46,306; Aug. 25; Gaz. vol. 205; p. 1292.
Armour & Company. (See McDougal, Thomas W., assignor.)
Armstrong, Charles C., Marysville, Ohio. Lawn-sprinkler. No. 45,216; Feb. 3; Gaz. vol. 199; p. 275.
Armstrong Cork Company. (See Humphreys, Charles F., assignor.)
Armstrong Cork Company. (See Humphreys, Harry, assignor.)
Armstrong Cork Company. (See Wilde, Hadassah, assignor.)
Armstrong, Zoe, McPherson, Kans. Poison-bottle. No. 46,719; Dec. 8; Gaz. vol. 209; p. 652.
Aronis, Peter E., and A. Tirevol, Boston, Mass. Dispensing-stopper for bottles. No. 46,795; Dec. 29; Gaz. vol. 209; p. 1667.
Aronson, Louis V., Newark, N. J. Igniter. No. 45,407; Mar. 17; Gaz. vol. 200; p. 830.
Arthe Levy Bernhard Company *et al.* (See Seitz, Otto E. J., assignor.)
Arthur, Le Roy W., Lowville, N. Y. Pillow. No. 45,782; May 19; Gaz. vol. 202; p. 917.
Artistic Bronze Co., The. (See Wilson, William A. G., assignor.)
Ash, Charles S., Buffalo, N. Y. Hub for wheels. Nos. 45,829-30; May 26; Gaz. vol. 202; p. 1231.
Ashbaugh, James W., Bremen, Ohio. Gas-stove. No. 46,796; Dec. 29; Gaz. vol. 209; p. 1667.
Ashbrook, Elmer F., Jamesport, Mo. Jeweler's cabinet. No. 46,307; Aug. 25; Gaz. vol. 205; p. 1292.
Atterholt, Oliver S., Pittston, Pa. Glass vessel. No. 45,319; Mar. 3; Gaz. vol. 200; p. 243.
Aufiero, Emanuel, assignor to E. A. Laboratories, Inc., New York, N. Y. Horn-casing. No. 46,522; Oct. 13; Gaz. vol. 207; p. 582.
August Goertz & Co. (See Eigen, Benno vom, assignor.)
Aull, Jerome J., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Valve-wheel. No. 45,142; Jan. 13; Gaz. vol. 198; p. 477.
Austin, Arthur O., Barberton, Ohio. Insulator. No. 46,014; June 30; Gaz. vol. 203; p. 1522.
Austin, George B., assignor to Austin and Stone, Inc., Attleboro, Mass. Watch, bracelet, or similar article. No. 46,040; July 7; Gaz. vol. 204; p. 282.
Austin, Herbert A., Boston, Mass. Display-cabinet. No. 46,391; Sept. 15; Gaz. vol. 206; p. 846.
Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Organ-stop key. No. 45,320; Mar. 3; Gaz. vol. 200; p. 243.
Austin Organ Company. (See Austin, John T., assignor.)
Austin and Stone. (See Austin, George B., assignor.)
Auth, Charles, and N. L. Schloss, New York, N. Y. Lamp-globe. No. 46,555; Oct. 20; Gaz. vol. 207; p. 890.
Auto Metal Company. (See Smith, Michael H., assignor.)
Automatic Electric Company. (See Setter, Michael, assignor.)
Autosales Gum & Chocolate Company. (See Stucky, Edwin R., assignor.)
B. F. Goodrich Company, The. (See Gammeter, John R., assignor.)
B. F. Goodrich Company, The. (See Pearce, William, assignor.)
B-O-C. Mfg. Co., The. (See Kline, Robert, assignor.)
Bacharach, Lucien, Lyon, France, assignor of one-half to J. W. Stewart, New York, N. Y. Cap. No. 45,978; June 23; Gaz. vol. 203; p. 1224.
Bachman, John A., Philadelphia, Pa. Confection. No. 45,285; Feb. 24; Gaz. vol. 199; p. 1213.
Badger Brass Mfg. Co. (See Welles, Richard H., assignor.)
Baek, Eugene C., New York, N. Y. Wall-paper. No. 45,698; May 5; Gaz. vol. 202; p. 284.
Baek, Eugene C., New York, N. Y. Wall-paper. No. 45,783; May 19; Gaz. vol. 202; p. 917.
Bailey, George R., assignor to Sterling Casket Hardware Company, Brooklyn, N. Y. Casket-handle and lugs. No. 45,581; Apr. 14; Gaz. vol. 201; p. 534.
Bailey, George R., assignor to Sterling Casket Hardware Company, Brooklyn, N. Y. Name-plate for caskets. No. 45,582; Apr. 14; Gaz. vol. 201; p. 534.
Bailey, George R., assignor to Sterling Casket Hardware Company, Brooklyn, N. Y. Casket-handle and lugs. No. 45,583; Apr. 14; Gaz. vol. 201; p. 534.

Alphabetical list of patentees of designs—Continued.

- Baker, De Witt C., New Rochelle, N. Y. Set of character-blocks. No. 45,249; Feb. 17; Gaz. vol. 199; p. 909.
- Baker, Henry, Kansas City, Mo. Shawl. No. 45,979; June 23; Gaz. vol. 203; p. 1224.
- Balazs, Charles. (See Szotak and Balazs.)
- Baldwin, Frederic E., New York, N. Y. Lamp-body for miners' lamps. No. 45,514; Mar. 31; Gaz. vol. 200; p. 1355.
- Ball, William C., Muncie, Ind. Bottle. No. 46,655; Nov. 24; Gaz. vol. 208; p. 1322.
- Bamberger, Alfred H., New York, N. Y. Display-stand. No. 46,656; Nov. 24; Gaz. vol. 208; p. 1322.
- Banks, William, Montcalm county, Mich. Tombstone. No. 45,143; Jan. 13; Gaz. vol. 198; p. 478.
- Barber, Reuben E., Pittsburgh, Pa. Towel-rack. No. 45,515; Mar. 31; Gaz. vol. 200; p. 1355.
- Barber, Walter M., Springfield, Mass. Sidewalk pump-casing. No. 45,737; May 12; Gaz. vol. 202; p. 601.
- Bardwell, Edwin A., assignor to H. H. Mayhew Company, Shelburne Falls, Mass. Square-head tool. No. 46,785; Dec. 22; Gaz. vol. 209; p. 1288.
- Barnes, Harry E., Topeka, Kans. Musical instrument. Nos. 45,321-2; Mar. 3; Gaz. vol. 200; p. 243.
- Barnes, Harry E., Topeka, Kans. Musical instrument. No. 45,685; Apr. 28; Gaz. vol. 201; p. 1186.
- Barnes, Thomas A., Pasadena, Cal. Piano-stool. No. 45,365; Mar. 10; Gaz. vol. 200; p. 550.
- Barton, Francis C., Philadelphia, Pa. Absorbent-disseminator. No. 45,174; Feb. 3; Gaz. vol. 199; p. 266.
- Bass, Mayo, Geneva, Nebr. Automobile-body. No. 45,250; Feb. 17; Gaz. vol. 199; p. 910.
- Bateman Manufacturing Company. (See Willis, Leland, assignor.)
- Bauman, Isaac L., Lancaster, Pa. Coaster. No. 45,366; Mar. 10; Gaz. vol. 200; p. 550.
- Baxter, Howard A., Melrose Highlands, Mass., assignor to Panama-Pacific International Exposition Co., San Francisco, Cal. Spoon, fork, or similar article. No. 46,556; Oct. 20; Gaz. vol. 207; p. 891.
- Baylies, Fred N. (See Schaefer, Frank M., assignor.)
- Beacon Falls Rubber Shoe Company, The. (See Hopwood, William B., assignor.)
- Beam, Charles C., assignor to The Wellington Glass Company, Cumberland, Md. Light-shade. Nos. 45,922-3; June 16; Gaz. vol. 203; p. 887.
- Beam, Charles C., assignor to The Wellington Glass Company, Cumberland, Md. Light shade or reflector. No. 45,980; June 23; Gaz. vol. 203; p. 1224.
- Beardslee Chandelier Manufacturing Company. (See Beardslee and French, assignors.)
- Beardslee, George M., and I. L. French, assignors to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting-fixture. Nos. 45,847-9; June 2; Gaz. vol. 203; pp. 268-9.
- Beardslee, George M., and I. L. French, assignors to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting-fixture. Nos. 46,015-17; June 30; Gaz. vol. 203; p. 1522.
- Beardslee, George M., and I. L. French, assignors to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting-fixture. No. 46,196; Aug. 4; Gaz. vol. 205; p. 267.
- Beardslee, George M., and I. L. French, assignors to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Shade or bowl for lighting-fixtures. No. 46,422; Sept. 22; Gaz. vol. 206; p. 1137.
- Beardslee, George M., and I. L. French, assignors to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Shade for lighting-fixtures. No. 46,557; Oct. 20; Gaz. vol. 207; p. 891.
- Bechtold, Joseph H., Sioux Falls, S. D. Emblem. No. 46,107; July 21; Gaz. vol. 204; p. 975.
- Becker, Frederick W., New York, N. Y. Chin-plate for violins. No. 46,490; Oct. 6; Gaz. vol. 207; p. 266.
- Becker, John, Marengo, Iowa. Plow-cleaner. No. 45,408; Mar. 17; Gaz. vol. 200; p. 830.
- Beckwith, Estate of P. D. (See Howes, George W., assignor.)
- Beebe, Norman H., assignor to Lee Broom & Duster Company, Davenport, Iowa. Broom-shoulder cover. No. 46,423; Sept. 22; Gaz. vol. 206; p. 1137.
- Beetar, Kalil, New York, N. Y. Emblem. No. 45,549; Apr. 7; Gaz. vol. 201; p. 238.
- Behrend, Gerhard, assignor to The Silex Co., Inc., New York, N. Y. Coffee-percolator. No. 46,523; Oct. 13; Gaz. vol. 207; p. 582.
- Beistle, Martin L., Shippensburg, Pa. Christmas-tree fence. No. 46,308; Aug. 25; Gaz. vol. 205; p. 1292.
- Bell, John A., assignor to Railway Specialties Company, Los Angeles, Cal. Wigwag flagman. No. 45,784; May 19; Gaz. vol. 202; p. 917.
- Bender, Claude T., Marshall, Tex. Meal-tray. No. 46,618; Nov. 3; Gaz. vol. 208; p. 306.
- Bennett, Charles A., New Milford, assignor to The E. H. H. Smith Silver Company, Bridgeport, Conn. Handle for spoons, forks, or similar articles. No. 46,354; Sept. 8; Gaz. vol. 206; p. 559.
- Benton, Morris F., Plainfield, assignor to American Type Founders Company, Jersey City, N. J. Font of type. Nos. 45,981-2; June 23; Gaz. vol. 203; p. 1224.
- Benton, Morris F., Plainfield, assignor to American Type Founders Company, Jersey City, N. J. Font of type. No. 46,041; July 7; Gaz. vol. 204; p. 282.
- Benton, Morris F., Plainfield, assignor to American Type Founders Company, Jersey City, N. J. Font of type. No. 46,330; Sept. 1; Gaz. vol. 206; p. 283.
- Benton, Morris F., Plainfield, assignor to American Type Founders Company, Jersey City, N. J. Font of type. Nos. 46,720-1; Dec. 8; Gaz. vol. 209; p. 652.
- Bentz, Lucille, Seattle, Wash. Souvenir-spoon. No. 45,367; Mar. 10; Gaz. vol. 200; p. 550.
- Bernhard, Michael J., Buffalo, N. Y. Sideboard or similar article of furniture. No. 45,516; Mar. 31; Gaz. vol. 200; p. 1355.
- Bernhard, Michael J., Buffalo, N. Y. Sideboard or similar article of furniture. No. 46,713; Dec. 1; Gaz. vol. 209; p. 310.
- Bernstein, Philip, New York, N. Y. Hair-pin. No. 46,524; Oct. 13; Gaz. vol. 207; p. 583.
- Berry, Charles E., Watertown, Mass. Wrench and hose-spanner. No. 46,424; Sept. 22; Gaz. vol. 206; p. 1137.
- Berry, George H., Shelton, assignor to International Silver Company, Meriden, Conn. Back for mirrors, brushes, or similar toilet articles. Nos. 46,042-5; July 7; Gaz. vol. 204; p. 283.
- Bienenzucht, Abraham, New York, N. Y. Vanity-case. No. 46,160; July 28; Gaz. vol. 204; p. 1315.
- Biever, Albert W., Chicago, Ill. Water-closet fixture. No. 45,221; Feb. 10; Gaz. vol. 199; p. 574.
- Bigelow Carpet Company. (See Elliot, William A., assignor.)
- Bigelow Carpet Company. (See Lacouture, Henry C., assignor.)
- Bigelow Carpet Company. (See Merry, John, assignor.)
- Bigelow Carpet Company. (See Riddell, Robert F., assignor.)
- Bigelow Carpet Company. (See Sauer, Emil G., assignor.)
- Bigelow Carpet Company. (See Schindler, Francis, assignor.)
- Bigelow Carpet Company. (See Spring, John, assignor.)
- Bigelow Carpet Company. (See Spring, William A., assignor.)
- Bigelow Carpet Company. (See Vetter, Ignatius, assignor.)
- Binswanger, Simon, assignor to Ross Broiler Company, St. Joseph, Mo. Broiler-griddle. No. 46,309; Aug. 25; Gaz. vol. 205; p. 1292.
- Birklin, Charles W., Nottingham, England. Levers lace. Nos. 45,323-6; Mar. 3; Gaz. vol. 200; pp. 243-4.
- Bischoff, Ernest, Pekin, China. Rug. No. 45,850; June 2; Gaz. vol. 203; p. 269.
- Bjur, William L., New York, N. Y. Piano-case. Nos. 45,517-20; Mar. 31; Gaz. vol. 200; pp. 1355-6.
- Black, Crawford. (See Gorsuch, Benjamin F., assignor.)
- Blackmarr, Frank H., Chicago, Ill. Drinking-fountain. No. 46,797; Dec. 29; Gaz. vol. 209; p. 1667.
- Blake, John D., assignor to Blake Specialty Company, Rock Island, Ill. Street-lamp. No. 45,785; May 19; Gaz. vol. 202; p. 918.
- Blake, Ludwig L., South Bend, Ind., assignor to F. C. Davidge & Co., F. C. Davidge, proprietor, Toronto, Canada. Wall-paper. Nos. 46,558-63; Oct. 20; Gaz. vol. 207; pp. 891-2.
- Blake, Ludwig L., South Bend, Ind., assignor to F. C. Davidge & Co., Toronto, Canada. Wall-paper. No. 46,628; Nov. 10; Gaz. vol. 208; p. 626.
- Blake Specialty Company. (See Blake, John D., assignor.)
- Blantz, Clayton H., Lebanon, Pa. Tool. No. 46,310; Aug. 25; Gaz. vol. 205; p. 1293.
- Blesch, Charles, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Burial-casket handle. Nos. 45,144-5; Jan. 13; Gaz. vol. 198; p. 478.
- Blesch, Charles, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Burial-casket handle-plate. No. 46,018; June 30; Gaz. vol. 203; p. 1523.
- Blesch, Charles, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Burial-casket handle. No. 46,108; July 21; Gaz. vol. 204; p. 975.
- Blesch, Charles, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Burial-casket handle. No. 46,242; Aug. 11; Gaz. vol. 205; p. 625.
- Blesch, Charles, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Paper-weight. Nos. 46,647-8; Nov. 17; Gaz. vol. 208; p. 954.
- Blesch, Charles, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Burial-casket handle. Nos. 46,657-8; Nov. 24; Gaz. vol. 208; p. 1322.
- Blomberg, Carl R., Chicago, Ill. Watch-fob. No. 46,392; Sept. 15; Gaz. vol. 206; p. 846.
- Blumenthal, Sidney, assignor to Sidney Blumenthal & Company, Incorporated, New York, N. Y. Velvet. No. 46,466; Sept. 29; Gaz. vol. 206; p. 1415.
- Boch, Louise H., Chicago, Ill. Carrier for valuables. No. 46,081; July 14; Gaz. vol. 204; p. 644.

Alphabetical list of patentees of designs—Continued.

- Bockelman, Frederick, New York, N. Y. 3-valve shower-bath body. No. 45,786; May 19; Gaz. vol. 202; p. 918.
- Bockelman, Frederick, New York, N. Y. Two-valve shower-bath body. No. 45,787; May 19; Gaz. vol. 202; p. 918.
- Bodmer, Christian, assignor to The Stanley Rule & Level Company, New Britain, Conn. Body or frame for scrapers. No. 45,983; June 23; Gaz. vol. 203; p. 1225.
- Boillot, Elmer. (See Fillmore and Boillot.)
- Bolte, Charles, Jersey City, N. J., assignor to Mersereau Metal Bed Company. Rod end or vase for metal bed-frames. No. 46,355; Sept. 8; Gaz. vol. 206; p. 559.
- Bolte, Charles, Jersey City, N. J., assignor to Mersereau Metal Bed Company. Spindle for metal bed-frames. No. 46,356; Sept. 8; Gaz. vol. 206; p. 560.
- Bolte, Theodore H., Kearney, Nebr. Street-light standard. No. 45,851; June 2; Gaz. vol. 203; p. 269.
- Boman, Claes W., Brooklyn, assignor to Eagle Pencil Company, New York, N. Y. Tip for penholders. No. 46,588; Oct. 27; Gaz. vol. 207; p. 1215.
- Bond, Arthur E., Chicago, Ill. Flower-holder. No. 45,409; Mar. 17; Gaz. vol. 200; p. 830.
- Booth, Kraft, Philadelphia, Pa., assignor to Gillinder & Sons, Inc. Glass dome for ceiling-lights. No. 45,146; Jan. 13; Gaz. vol. 198; p. 478.
- Booth, William H., assignor to The American Hardware Corporation, New Britain, Conn. Padlock. No. 45,831; May 26; Gaz. vol. 202; p. 1231.
- Bosh, Firm of Robert. (See Krauss, Adolf, assignor.)
- Bosworth, Harvey, Plattsburg, N. Y. Fruit and vegetable knife. No. 46,161; July 28; Gaz. vol. 204; p. 1315.
- Bourgeois, Rudolph. (See Smith and Bourgeois.)
- Bowen, George W. (See Pribil, Alexis R., assignor.)
- Bower, Robert A., San Francisco, Cal. Faucet-bracket for electrical water-heaters. No. 45,612; Apr. 21; Gaz. vol. 201; p. 861.
- Bowers, Thomas G., New Haven, Conn. Shoulder-brace. No. 45,368; Mar. 10; Gaz. vol. 200; p. 551.
- Bowers, Thomas G., New Haven, Conn. Shoulder-brace. No. 45,984; June 23; Gaz. vol. 203; p. 1225.
- Boyce, Harrison H., Forest Hills, N. Y. Temperature-indicator. No. 45,099; Jan. 6; Gaz. vol. 198; p. 213.
- Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Combination needle threader and sharpener. No. 46,491; Oct. 6; Gaz. vol. 207; p. 266.
- Boye Needle Company, The. (See Boye, James H., assignor.)
- Boyer, William H., Lebanon, Pa. Pen-nib. No. 45,286; Feb. 24; Gaz. vol. 199; p. 1213.
- Brace, James, Detroit, Mich. Lamp. No. 45,100; Jan. 6; Gaz. vol. 198; p. 213.
- Brady, Daniel M., New York, N. Y. Badge. No. 46,393; Sept. 15; Gaz. vol. 206; p. 846.
- Brager, John W., assignor to J. B. Wise Inc., Watertown, N. Y. Sanitary trap. No. 46,197; Aug. 4; Gaz. vol. 205; p. 267.
- Brandenburg, Norman H. (See Rosenberger, Isaac, assignor.)
- Brandt, Carl, assignor to Brandt Leather Company, Boston, Mass. Leather. No. 46,082; July 14; Gaz. vol. 204; p. 645.
- Brandt, Carl, assignor to Winslow Bros. & Smith Co., Boston, Mass. Leather. No. 46,714; Dec. 1; Gaz. vol. 209; p. 310.
- Brandt Leather Company. (See Brandt, Carl, assignor.)
- Branner, Bernard, New York, N. Y. Mat. No. 45,175; Feb. 3; Gaz. vol. 199; p. 266.
- Branning, Delbert J., Hawley, Pa. Artificial flower. No. 45,985; June 23; Gaz. vol. 203; p. 1225.
- Bratton, Willard G., Pittsburgh, Pa. Wind-shield for motor-vehicles and the like. No. 45,327; Mar. 3; Gaz. vol. 200; p. 244.
- Braune, Walter, Berlin, Germany. Electric lamp with slidable contact-handle. No. 45,832; May 26; Gaz. vol. 202; p. 1231.
- Brause, Julius, Hartford, Conn. Wardrobe. No. 45,445; Mar. 24; Gaz. vol. 200; p. 1080.
- Brautigam, Henry H., assignor to The Bridgeport Motor Co. Inc., Bridgeport, Conn. Internal-combustion-engine manifold. No. 45,176; Feb. 3; Gaz. vol. 199; p. 266.
- Brautigam, Henry H., assignor to The Bridgeport Motor Co. Inc., Bridgeport, Conn. Internal-combustion-engine manifold. No. 45,222; Feb. 10; Gaz. vol. 199; p. 574.
- Breiter, Gustavo P., Milan, Italy. Bottle for dustlike materials. No. 46,425; Sept. 22; Gaz. vol. 206; p. 1138.
- Brendum, Regina, Westby, Wis. Framed harp. No. 46,659; Nov. 24; Gaz. vol. 208; p. 1323.
- Bridgeport Motor Co. Inc., The. (See Brautigam, Henry H., assignor.)
- Bridges, Clarence W., San Francisco, Cal. Watch or clock dial. No. 45,101; Jan. 6; Gaz. vol. 198; p. 214.
- Brinckerhoff, Francis M., Englewood, N. J. Lamp-shade. No. 45,521; Mar. 31; Gaz. vol. 200; p. 1356.
- Broadbuss, Logan A., Denver, Colo. Salt or pepper shaker. No. 45,584; Apr. 14; Gaz. vol. 201; p. 535.
- Bromh, William C. (See Grainger and Brohm.)
- Bromley & Sons, John. (See Petzold, Adolph, assignor.)
- Brooks, Stephen H., Cleveland, Ohio. Gas-shut-off pull-box. No. 46,660; Nov. 24; Gaz. vol. 208; p. 1323.
- Brown, Berry A., Sr., Franklin, Ohio. Trousers-guard. No. 46,661; Nov. 24; Gaz. vol. 208; p. 1322.
- Brown, Carl A. (See Grant and Brown.)
- Brown, Carl A., Fostoria, Ohio, assignor to General Electric Company. Artificial-light inclosure. No. 45,613; Apr. 21; Gaz. vol. 201; p. 861.
- Brown, Carl A., and F. L. Grant, Fostoria, Ohio, assignors to General Electric Company. Lighting-fixture. No. 46,426; Sept. 22; Gaz. vol. 206; p. 1138.
- Brown, Harlow R., Yonkers, assignor to Philip Strobel & Sons, Inc., New York, N. Y. Table. No. 46,357; Sept. 8; Gaz. vol. 206; p. 560.
- Brown, Leslie A., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Handle for spoons, forks, or similar articles. No. 45,369; Mar. 10; Gaz. vol. 200; p. 551.
- Brown, Leslie A., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon, fork, or similar article. No. 45,446; Mar. 24; Gaz. vol. 200; p. 1081.
- Brown, Leslie A., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Sectional border. No. 46,083; July 14; Gaz. vol. 204; p. 645.
- Browning, Henry P. (See Moore, Thomas M., assignor.)
- Brownrigg, John J., H. Henderson, and A. E. Case, assignors to Delta Electric Company, Marion, Ind. Portable electric lamp. No. 46,427; Sept. 22; Gaz. vol. 206; p. 1138.
- Bruce, Robert D., Pittsburgh, Pa. Air-navigating vessel. No. 45,550; Apr. 7; Gaz. vol. 201; p. 238.
- Brucker, Ferdinand F., assignor to The Miller Rubber Company, Akron, Ohio. Water-bag. No. 46,198; Aug. 4; Gaz. vol. 205; p. 268.
- Bruns, Alfred E., New York, assignor to Metal Package Company, Brooklyn, N. Y. Tapered oval talcum-powder can. No. 45,447; Mar. 24; Gaz. vol. 200; p. 1081.
- Bryan, James E., St. Paul, Minn. Show-case holder and reflector for electric lamps. No. 45,147; Jan. 13; Gaz. vol. 198; p. 479.
- Bryant, George H., Windsor, N. C. Washstand. No. 45,852; June 2; Gaz. vol. 203; p. 270.
- Bryant, Stanley C., Chicago, Ill. Railway-crossing signal. No. 45,833; May 26; Gaz. vol. 202; p. 1231.
- Buck, Edward A., Washington, D. C. Clock-dial. No. 45,448; Mar. 24; Gaz. vol. 200; p. 1081.
- Budde, Henry A., Manchester, Conn. Casing for reverse-gears. No. 46,394; Sept. 15; Gaz. vol. 206; p. 847.
- Budde, Henry A., Manchester, Conn. Casing for hydrocarbon-engines. No. 46,467; Sept. 29; Gaz. vol. 206; p. 1415.
- Buermann, Henry, Newark, N. J. Cheek-piece for bits. No. 45,788; May 19; Gaz. vol. 202; p. 918.
- Buffalo Dental Manufacturing Company. (See Lewis, Theodore G., assignor.)
- Buffalo Forge Co. (See Wendt, Henry W., assignor.)
- Buhl Stamping Company. (See Murphy, Daniel P., assignor.)
- Bulley, George W., Chicago, Ill. Vehicle-body. No. 45,686; Apr. 28; Gaz. vol. 201; p. 1186.
- Bump, George P., La Crosse, Wis. Casing for paper-fastening devices. No. 46,109; July 21; Gaz. vol. 204; p. 975.
- Bundy, Clifton L., Philadelphia, Pa. Insulator. No. 46,243; Aug. 11; Gaz. vol. 205; p. 625.
- Burdick, John S., assignor to The Locomobile Company of America, Bridgeport, Conn. Lamp. No. 45,699; May 5; Gaz. vol. 202; p. 284.
- Burgner Manufacturing and Sales Co., The. (See Potteiger, Harry E., assignor.)
- Burkhart, Frank A., Reading, Pa. Fountain-brush back. No. 45,328; Mar. 3; Gaz. vol. 200; p. 244.
- Burley & Tyrrell Company. (See Coleman, William O., assignor.)
- Burley & Tyrrell Company. (See Hinrichs, Mabel W., assignor.)
- Burns, Sidney H., and C. D. Perillat, assignors to Ovida Company, New York, N. Y. Bust-reducer brassière. No. 45,287; Feb. 24; Gaz. vol. 199; p. 1213.
- Burris, Harry, Newcastle, Ind. Burial-casket. No. 45,551; Apr. 7; Gaz. vol. 201; p. 238.
- Burrows, Vivian H., Chicago, Ill. Violin. No. 45,986; June 23; Gaz. vol. 203; p. 1225.
- Burton, Robert N., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Temperature-indicator. Nos. 45,552-4; Apr. 7; Gaz. vol. 201; p. 239.
- Bush & Lane Piano Co. (See Lane, Walter, assignor.)
- Bush, Noël M., Montclair, N. J. Rain-coat. No. 46,244; Aug. 11; Gaz. vol. 205; p. 625.
- Butte, Charles F. (See Butte, Paul C. and C. F.)
- Butte, Paul C. and C. F., San Francisco, Cal. Arch. No. 46,798; Dec. 29; Gaz. vol. 209; p. 1668.
- Byers, George T., New York, N. Y. Holding-clip for pens and pencils. No. 45,102; Jan. 6; Gaz. vol. 198; p. 214.
- Byrne, John F., assignor to City Button Works, New York, N. Y. Button. No. 46,084; July 14; Gaz. vol. 204; p. 645.
- C. M. Hall Lamp Company. (See Anklam, William F., assignor.)
- C. O. Sweet and Son Company. (See Sweet, Charles O., assignor.)
- C. O. Sweet and Son Company. (See Sweet, Ervin V., assignor.)
- Cain, William E., Newark, N. J. Brassière. No. 45,853; June 2; Gaz. vol. 203; p. 270.

- Caldwell & Company, J. E. (See Nassau, Mary E., assignor.)
- Calverley, John, Oregon City, Oreg. Saw-set. No. 46,766; Dec. 15; Gaz. vol. 209; p. 1026.
- Camp Fire Outfitting Co. (See Gulick, Charlotte V., assignor.)
- Campbell, Annie, Brady, Tex. Lace. No. 45,177; Feb. 3; Gaz. vol. 199; p. 266.
- Campbell, Charles E., Ashland, Ohio. Water-bottle, syringe-bag, or similar article. No. 45,789; May 19; Gaz. vol. 202; p. 918.
- Campbell, Jessie G. (See Woolner and Campbell.)
- Campbell, Jessie G., and C. N. Woolner, Oakland, Cal. Garment. Nos. 46,589-90; Oct. 27; Gaz. vol. 207; p. 1215.
- Campbell, William T., New York, N. Y. Sprinkler-top for bottles. No. 46,722; Dec. 8; Gaz. vol. 209; p. 652.
- Campe, Edward L., New York, N. Y. Hat. No. 45,178; Feb. 3; Gaz. vol. 199; p. 267.
- Canadian Oral Prophylactic Association. (See McDonagh and Webster, assignors.)
- Cantrell, Ernest, Nashville, Tenn., and S. B. Kahnweiler, New York, N. Y. Key-hook. No. 46,019; June 30; Gaz. vol. 203; p. 1523.
- Cape Cod Products Company. (See Dalton, John W., assignor.)
- Carlow, Almond L., Providence, R. I. Collar-button. No. 46,358; Sept. 8; Gaz. vol. 206; p. 560.
- Carlson, Albin, assignor to Standard Engraving and Cut Glass Company, Minneapolis, Minn. Cut-glass vessel. No. 45,987; June 23; Gaz. vol. 203; p. 1226.
- Carr-Lowrey Glass Co. (See Gavin, John J., assignor.)
- Carson, Jesse F., assignor to The Cleveland Electric and Machine Manufacturing Company, Cleveland, Ohio. Coffee-mill. No. 46,723; Dec. 8; Gaz. vol. 209; p. 652.
- Carter, Leland E., San Diego, Cal. Paper-weight, curio, or similar article. No. 45,179; Feb. 3; Gaz. vol. 199; p. 267.
- Carter's Ink Company, The. (See Henkels, Charles H., assignor.)
- Carter's Ink Company, The. (See Sabine, Wallace C., assignor.)
- Casaretto, Robert, Crefeld, Germany, assignor to Theo. Tiedemann & Sons, New York, N. Y. Textile fabric. No. 46,331; Sept. 1; Gaz. vol. 206; p. 283.
- Case, Arthur E. (See Brownrigg, Henderson, and Case.)
- Caswell, Frederick K., Los Angeles, assignor to W. A. McNally, Pasadena, Cal. Electrolier. No. 46,724; Dec. 8; Gaz. vol. 209; p. 653.
- Cement Products Company. (See Gardner, Harry F., assignor.)
- Chadwick, Lee S., Cleveland, Ohio. Stove. Nos. 45,223-4; Feb. 10; Gaz. vol. 199; pp. 574-5.
- Chalmers Motor Company. (See Dunham, George W., assignor.)
- Charter Oak Stove & Range Company. (See Dana, Leslie, assignor.)
- Chase, Irwin, assignor to The Elco Company, Bayonne, N. J. Boat-bollard. No. 46,085; July 14; Gaz. vol. 204; p. 645.
- Chassaing, Joseph, Chicago, Ill., assignor to Shiras Electric Company, St. Louis, Mo. Lighting-fixture. No. 46,564; Oct. 20; Gaz. vol. 207; p. 892.
- Chatillon, George E., New York, N. Y. Scale-dial. No. 46,245; Aug. 11; Gaz. vol. 205; p. 626.
- Chatillon, George E., New York, N. Y. Scale-dial. No. 46,662; Nov. 24; Gaz. vol. 208; p. 1322.
- Chatillon, Ralph F., Greenburg, N. Y. Scale-beam weight. No. 45,370; Mar. 10; Gaz. vol. 200; p. 551.
- Chatterton, Frank W., Detroit, Mich. Portière. No. 46,767; Dec. 15; Gaz. vol. 209; p. 1026.
- Cheney Brothers. (See Gattiker, Robert, assignor.)
- Cheney Brothers. (See Scheidecker, Paul, assignor.)
- Cheney Brothers. (See Sins, Emile, assignor.)
- Cheney, Forest, Chicago, Ill. Amplifying-horn for sound-reproducing machines. No. 45,738; May 12; Gaz. vol. 202; p. 601.
- Cheney, Joseph W., Three Rivers, Mass. Protective attachment for the toe portions of shoes. No. 45,854; June 2; Gaz. vol. 203; p. 270.
- Chester, Bessie M., Longbeach, Cal. Woven palm-leaf basket. Nos. 45,790-1; May 19; Gaz. vol. 202; pp. 918-19.
- Chicago Cycle Supply Company. (See Hansen, Hans P., assignor.)
- Chodorkow, Morris, and R. Harvey, New York, N. Y. Trimming for traveling-bags, suitcases, or similar articles. No. 45,251; Feb. 17; Gaz. vol. 199; p. 910.
- Christian, James H., Detroit, Mich. Tire-casing. No. 46,273; Aug. 18; Gaz. vol. 205; p. 979.
- Christy, James, Akron, Ohio. Vehicle-tire. No. 46,428; Sept. 22; Gaz. vol. 206; p. 1138.
- Churchill, William, Corning, N. Y., assignor to Corning Glass Works. Percolator-top. No. 46,768; Dec. 15; Gaz. vol. 209; p. 1026.
- Cilley, Raymond. (See Field and Cilley.)
- Cincinnati Coffin Company, The. (See Orr, John F., assignor.)
- City Button Works. (See Byrne, John F., assignor.)
- Clampitt, Allen G., assignor to The Hamilton Manufacturing Company, Two Rivers, Wis. Table. No. 45,410; Mar. 17; Gaz. vol. 200; p. 830.
- Clapp, Howard, Boston, Mass. Tooth-brush. No. 45,180; Feb. 3; Gaz. vol. 199; p. 267.
- Clarence Whitman & Co. Inc. (See Smith, Bryan H., assignor.)
- Clark, Hubert D., Columbus, Ohio. Burial-vault. No. 45,252; Feb. 17; Gaz. vol. 199; p. 910.
- Clark, Raymond P., Rochester, N. Y. Cover for fruit-baskets. No. 46,429; Sept. 22; Gaz. vol. 206; p. 1139.
- Clark, Stuart J., Auburn, Ill. Badge. No. 45,855; June 2; Gaz. vol. 203; p. 270.
- Clark, Willard F., assignor to P. H. Gilleland, Chicago, Ill. Bracket. No. 46,086; July 14; Gaz. vol. 204; p. 645.
- Clarke, George H., Leicester, England. Wheel or tire carrier. No. 46,663; Nov. 24; Gaz. vol. 208; p. 1324.
- Clarke, William E., Oakland, Cal. Fraternity-emblem. No. 45,288; Feb. 24; Gaz. vol. 199; p. 1213.
- Cleveland Electric and Machine Manufacturing Company, The. (See Carson, Jesse F., assignor.)
- Clisby, Verne W., assignor to The Sterling Machine & Stamping Company, Wellington, Ohio. Cooking-utensil body. No. 45,664; Apr. 28; Gaz. vol. 201; p. 1183.
- Cobb, Albert C., Houston, Tex. Electric-light fixture. No. 46,664; Nov. 24; Gaz. vol. 208; p. 1324.
- Cochran, Andrew, Trenton, N. J. Lavatory or wash-stand. No. 45,289; Feb. 24; Gaz. vol. 199; p. 1213.
- Codman, William, assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles. No. 46,199; Aug. 4; Gaz. vol. 205; p. 268.
- Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles. Nos. 45,614-15; Apr. 21; Gaz. vol. 201; pp. 861-2.
- Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Platter or similar article. No. 45,792; May 19; Gaz. vol. 202; p. 919.
- Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Tray or similar article. No. 45,793; May 19; Gaz. vol. 202; p. 919.
- Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles. No. 46,087; July 14; Gaz. vol. 204; p. 646.
- Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles. Nos. 46,110-16; July 21; Gaz. vol. 204; pp. 975-7.
- Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Teapot or similar article. No. 46,162; July 28; Gaz. vol. 204; p. 1315.
- Cohn, Albert, London, England. Coffee-percolator. No. 45,585; Apr. 14; Gaz. vol. 201; p. 535.
- Cohn, Charles W., New York, N. Y. Show-case. No. 45,371; Mar. 10; Gaz. vol. 200; p. 551.
- Cohn, Goldwater & Co. (See Haworth, Charles M., assignor.)
- Cohn, Louis, New York, N. Y. Card-case. No. 46,332; Sept. 1; Gaz. vol. 206; p. 284.
- Colby, Archibald, New York, N. Y. Badge. No. 45,794; May 19; Gaz. vol. 202; p. 919.
- Cole, Ernest C., Chicago, Ill. Sheet-metal stove-body. No. 46,492; Oct. 6; Gaz. vol. 207; p. 266.
- Coleman, William O., assignor to Burley & Tyrrell Company, Chicago, Ill. Article of manufacture. Nos. 45,181-3; Feb. 3; Gaz. vol. 199; p. 267.
- Colgan, Seth P., assignor to one-half to C. S. Melick, Orleans, Nebr. Badge or emblem. No. 46,493; Oct. 6; Gaz. vol. 207; p. 267.
- Collins, Edward, Chicago, Ill. Hat. No. 45,522; Mar. 31; Gaz. vol. 200; p. 1356.
- Congdon, Gilbert, Catonsville, Md. Toy bank and clock-case. No. 45,372; Mar. 10; Gaz. vol. 200; p. 551.
- Conn, Charles G., Elkhart, Ind. Cornet. No. 45,555; Apr. 7; Gaz. vol. 201; p. 239.
- Connor, Louis C., Kansas City, Mo. Case for timepieces. No. 45,902; June 9; Gaz. vol. 203; p. 574.
- Contessa, Vincenzo, Brooklyn, N. Y. Comb. No. 45,739; May 12; Gaz. vol. 202; p. 601.
- Cook, Everett J., Toledo, Ohio. Front end for motor-vehicles. No. 46,200; Aug. 4; Gaz. vol. 205; p. 268.
- Cooke, Alfred, Harlesden, assignor to Peek Frean and Company, Limited, London, England. Biscuit or like article. No. 45,523; Mar. 31; Gaz. vol. 200; p. 1356.
- Cooper, Charles J., Moline, Ill. Harness-buckle. No. 45,225; Feb. 10; Gaz. vol. 199; p. 575.
- Copp, Zed H., Philadelphia, Pa. Home-flag. No. 46,525; Oct. 13; Gaz. vol. 207; p. 583.
- Copper Clad Malleable Range Company. (See Scruggs, Loyd, assignor.)
- Cordell, James M., Lima, Ohio. Spool-holder. No. 46,395; Sept. 15; Gaz. vol. 206; p. 847.
- Corey, Harry R., assignor to American Stopper Company, Brooklyn, N. Y. Sheet-metal talcum-canister. No. 46,333; Sept. 1; Gaz. vol. 206; p. 284.
- Corning Glass Works. (See Churchill, William, assignor.)
- Corning Glass Works. (See Parsons, William P., assignor.)
- Corona Cut Glass Company. (See Krall, Emil, assignor.)

Alphabetical list of patentees of designs—Continued.

- Cossette, Joseph D., Escanaba, Mich. Shingling-tool. No. 45,687; Apr. 28; Gaz. vol. 201; p. 1187.
- Costigan, William H., Sauquoit, N. Y. Candelabrum. No. 46,046; July 7; Gaz. vol. 204; p. 284.
- Coty, Louis R., Helena, Mont. Housing for hay-rack wheels. No. 46,246; Aug. 11; Gaz. vol. 205; p. 626.
- Cramer, Virgil P., Elyria, Ohio. Savings-bank. No. 46,201; Aug. 4; Gaz. vol. 205; p. 268.
- Crane & Breed Manufacturing Company, The. (See Blesch, Charles, assignor.)
- Crane, Clarence A., Cleveland, Ohio, assignor to E. J. Noble, New York, N. Y. Confection and chewing-gum. No. 45,925; June 16; Gaz. vol. 203; p. 888.
- Cravath, James R., assignor to National X-Ray Reflector Company, Chicago, Ill. Reflector. No. 45,616; Apr. 21; Gaz. vol. 201; p. 862.
- Crawford, James, Roxbury, Mass. Bath-tub trap. No. 45,253; Feb. 17; Gaz. vol. 199; p. 910.
- Crawford, James, assignor to Joseph H. Young Co., Boston, Mass. Trap. No. 45,856; June 2; Gaz. vol. 203; p. 270.
- Cribben & Sexton Company. (See Harter, Augustus F., assignor.)
- Crisman, George A., Detroit, Mich. Light-fixture canopy. No. 45,834; May 26; Gaz. vol. 202; p. 1231.
- Crochet, Henry L. J., Paris, France. Sheet-glass. No. 45,795; May 19; Gaz. vol. 202; p. 919.
- Cronk, Charles J. (See Schroff and Cronk.)
- Cronk, Charles J., Clifton Park, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Fabric for car-curtains. Nos. 46,274-5; Aug. 18; Gaz. vol. 205; p. 979.
- Cross, Jay E., South Lancaster, Mass. Powder-container. No. 45,586; Apr. 14; Gaz. vol. 201; p. 535.
- Crowley, George W., assignor of forty-nine one-hundredths to J. T. Green, Philadelphia, Pa. Cap for type-writing-machine keys. No. 46,020; June 30; Gaz. vol. 203; p. 1523.
- Crown Throat & Opener Company. (See Vaughan, Harry L., assignor.)
- Cummins, David W. (See Thompson, Knight H., assignor.)
- Curtenius, Dwight R., assignor to Kalamazoo Stove Company, Kalamazoo, Mich. Kitchen-cabinet. No. 46,047; July 7; Gaz. vol. 204; p. 284.
- Curtis, William J., Philadelphia, Pa. Bedstead. No. 45,617; Apr. 21; Gaz. vol. 201; p. 862.
- Curtiss, Charles C., Grand Rapids, Mich. Drawer-section. No. 46,247; Aug. 11; Gaz. vol. 205; p. 626.
- Curtiss, Charles C., Grand Rapids, Mich. Sectional store furniture. No. 46,248; Aug. 11; Gaz. vol. 205; p. 626.
- Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Heater for coffee, tea, and water. No. 45,184; Feb. 3; Gaz. vol. 199; p. 268.
- Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Percolator. Nos. 45,373-4; Mar. 10; Gaz. vol. 200; pp. 551-2.
- Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Percolator. No. 45,587; Apr. 14; Gaz. vol. 201; p. 535.
- Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Urn. Nos. 45,588-90; Apr. 14; Gaz. vol. 201; pp. 535-6.
- Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Urn. Nos. 45,700-1; May 5; Gaz. vol. 202; p. 284.
- Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Ferrule for knives or similar articles. No. 45,796; May 19; Gaz. vol. 202; p. 919.
- Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Body for percolators or tea or coffee pots. No. 46,665; Nov. 24; Gaz. vol. 208; p. 1324.
- Custen, Simon, New York, N. Y. Button. No. 46,021; June 30; Gaz. vol. 203; p. 1523.
- Cutler-Hammer Mfg. Co., The. (See Klein, Charles J., assignor.)
- Cutler, Joseph W., assignor to Cutler Mail Chute Company, Rochester, N. Y. Street letter-box. No. 45,524; Mar. 31; Gaz. vol. 200; p. 1357.
- Cutler Mail Chute Company. (See Cutler, Joseph W., assignor.)
- Dailuame Talisker Distilleries. (See Mackenzie, Thomas, assignor.)
- Dalton, Hubert, New York, N. Y. Supporting base and bracket. No. 45,857; June 2; Gaz. vol. 203; p. 270.
- Dalton, Hubert, New York, N. Y. Columnar support. No. 45,858; June 2; Gaz. vol. 203; p. 271.
- Dalton, John W., Sandwich, Mass., assignor to Cape Cod Products Company, Tray for shell-fish. No. 45,254; Feb. 17; Gaz. vol. 199; p. 910.
- Dana, Leslie, Brentmore Park, Mo., assignor to Charter Oak Stove & Range Company, Stove. No. 45,835; May 26; Gaz. vol. 202; p. 1232.
- Daniel, Charles A., Philadelphia, Pa. Automobile-tire. No. 46,725; Dec. 8; Gaz. vol. 209; p. 653.
- Daniels, Charles E., assignor to The American Crayon Company, Sandusky, Ohio. Carton. No. 45,735; May 5; Gaz. vol. 202; p. 290.
- Daniels, Daniel G., New York, N. Y. Swivel for exercisers. No. 46,629; Nov. 10; Gaz. vol. 208; p. 626.
- Danzer, Albert, assignor to Danzer Metal Works, Hagers-town, Md. Snow-guard for roofs. No. 46,202; Aug. 4; Gaz. vol. 205; p. 269.
- Danzer Metal Works. (See Danzer, Albert, assignor.)
- Daprato Statuary Company. (See Gaul, Godfried J., assignor.)
- Darling, Warren V., New York, N. Y. Composition or blank book cover. No. 45,411; Mar. 17; Gaz. vol. 200; p. 830.
- Daum, George W., Jeannette, Pa. Vehicle-tire. No. 45,148; Jan. 13; Gaz. vol. 198; p. 479.
- Daum, George W., and G. W. Shiveley, Jeannette, Pa. Vehicle-tire. No. 46,359; Sept. 8; Gaz. vol. 206; p. 560.
- David & Co., F. C. (See Blake, Ludwig L., assignor.)
- Davidson, Helen L., Toronto, Ontario, Canada. Vehicle-body. No. 45,226; Feb. 10; Gaz. vol. 199; p. 575.
- Davies, Andrew H., Conneaut, Ohio, assignor to General Electric Company, Hanger or the like. No. 45,859; June 2; Gaz. vol. 203; p. 271.
- Davies, Morgan, Denver, Colo. Shade-bracket. No. 46,494; Oct. 6; Gaz. vol. 207; p. 267.
- Dawley, Herbert M., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Motor-vehicle body. No. 45,185; Feb. 3; Gaz. vol. 199; p. 268.
- Dawley, Herbert M., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Combined mud-guard and headlight-casing for vehicles. No. 45,290; Feb. 24; Gaz. vol. 199; p. 1213.
- Dayton Manufacturing Company, The. (See Kirby, John, Jr., assignor.)
- De Bevoise, Charles R., Newark, N. J. Brassière. Nos. 45,291-3; Feb. 24; Gaz. vol. 199; p. 1214.
- De Fontaine, Wade H., New York, N. Y. Carbureter. No. 45,591; Apr. 14; Gaz. vol. 201; p. 536.
- De Forest, Nora B., New York, N. Y. Article of manufacture. No. 45,799; May 19; Gaz. vol. 202; p. 920.
- De Leo, John, New York, N. Y. Caster. No. 45,740; May 12; Gaz. vol. 202; p. 601.
- De Mattia, Bartolomeo, Garfield, N. J., assignor to F. A. Cigol Rubber Co., Paterson, N. J. Rubber ball. No. 45,741; May 12; Gaz. vol. 202; p. 601.
- De Schaum, William A., Detroit, Mich. Radiator. No. 45,217; Feb. 3; Gaz. vol. 199; p. 275.
- De Schaum, William A., Detroit, Mich. Radiator. No. 45,294; Feb. 24; Gaz. vol. 199; p. 1214.
- De Vilbiss Mfg. Company, The. (See De Vilbiss, Thomas A., assignor.)
- De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio. Painting-booth. No. 45,743; May 12; Gaz. vol. 202; p. 602.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio. Atomizer-head. No. 46,430; Sept. 22; Gaz. vol. 206; p. 1139.
- De Vreese, Bazel, Chicago, Ill. Barber-shop sign. No. 45,904; June 9; Gaz. vol. 203; p. 575.
- De Vries, Hein, Hood, Cal. Dish. No. 45,926; June 16; Gaz. vol. 203; p. 888.
- De Vries, Hein, Hood, Cal. Loving-cup. No. 46,249; Aug. 11; Gaz. vol. 205; p. 626.
- Dean Auto Devices Company. (See Dean, William W., assignor.)
- Dean Electric Company, The. (See Manson, Ray H., assignor.)
- Dean, Harry G., Cleveland, Ohio. Shoe. No. 45,412; Mar. 17; Gaz. vol. 200; p. 831.
- Dean, William W., assignor to Dean Auto Devices Company, Chicago, Ill. Automobile-horn. Nos. 45,797-8; May 19; Gaz. vol. 202; p. 920.
- Deasy, Peter A., assignor to Deasy Utilities Company, Oakland, Cal. Water-heater. No. 46,048; July 7; Gaz. vol. 204; p. 284.
- Deasy Utilities Company. (See Deasy, Peter A., assignor.)
- Delta Electric Company. (See Brownrigg, Henderson, and Case, assignors.)
- Demer, Henry, Great Bend, Pa. Glass vessel. No. 45,742; May 12; Gaz. vol. 202; p. 602.
- Dennis, Ferman M., Lansing, Mich. Shade and curtain bracket. No. 45,903; June 9; Gaz. vol. 203; p. 575.
- Dennison Manufacturing Company. (See Mead, Clara L., assignor.)
- Denton, Thomas B., assignor to Rubber & Celluloid Harness Trimming Co., Newark, N. J. Advertising novelty. No. 46,666; Nov. 24; Gaz. vol. 208; p. 1324.
- Depollier, Charles L., New York, assignor to Dubois Watch Case Company, Brooklyn, N. Y. Jewelry-display box or case. Nos. 46,117-20; July 21; Gaz. vol. 204; pp. 977-8.
- Depollier, Charles L., New York, assignor to Dubois Watch Case Company, Brooklyn, N. Y. Bracelet-watch. No. 46,121; July 21; Gaz. vol. 204; p. 978.
- Deshler, Henry D., Belvidere, N. J. Casing for vending-machines. No. 46,715; Dec. 1; Gaz. vol. 209; p. 310.
- Destribats, Louis P., Trenton, N. J. Tire-casing. No. 45,166; Jan. 20; Gaz. vol. 198; p. 676.
- Detle, Frank, Lynn, Mass. Coat. No. 46,630; Nov. 10; Gaz. vol. 208; p. 626.
- Dexter, Arthur C., San Diego, Cal. Emblem, button, or similar article. No. 45,665; Apr. 28; Gaz. vol. 201; p. 1183.

Alphabetical list of patentees of designs—Continued.

- Diamond Glass Company. (See Rowland, Edward J., assignor.)
- Diamond Match Company, The. (See Merritt, Edwin A., assignor.)
- Dickinson, Harry P., Newark, N. J. Ring. No. 45,860; June 2; Gaz. vol. 203; p. 271.
- Dieges, Charles J., New York, N. Y. Badge. No. 46,049; July 7; Gaz. vol. 204; p. 284.
- Dietrich, Jerome C., Galt, Ontario, Canada. Saw-handle. No. 46,396; Sept. 15; Gaz. vol. 206; p. 847.
- Dietterich, Rea A., Scranton, Pa. Clothes-line holder. No. 45,988; June 23; Gaz. vol. 203; p. 1226.
- Dilger, John L., Thomaston, Conn. Watch and clock dial. No. 46,769; Dec. 15; Gaz. vol. 209; p. 1026.
- Discher, Grant F., assignor to Garage Equipment Manufacturing Company, Milwaukee, Wis. Tire-supporting bracket for automobiles. No. 46,360; Sept. 8; Gaz. vol. 206; p. 560.
- Divekey, John J., Aurora, Ill. Bath-tub or similar fitting. No. 45,861; June 2; Gaz. vol. 203; p. 271.
- Dix, Donald R., Denver, Colo. Bracelet. Nos. 46,203-6; Aug. 4; Gaz. vol. 205; p. 269.
- Doane, Frank H., San Francisco, Cal. Shock-absorber. No. 45,800; May 19; Gaz. vol. 202; p. 920.
- Dodge Brothers. (See Dodge, John F. and H. E., assignors.)
- Dodge, Horace E. (See Dodge, John F. and H. E.)
- Dodge, John F. and H. E., assignors to Dodge Brothers, Detroit, Mich. Car-body. No. 46,565; Oct. 20; Gaz. vol. 207; p. 892.
- Doering, Charles, Jr., Chicago, Ill. Display-cabinet for fish and other foods. No. 45,413; Mar. 17; Gaz. vol. 200; p. 831.
- Dominick & Haff. (See Hebbard, Harrison, assignor.)
- Donnelly, James A., Brooklyn, N. Y. Fractional inlet-valve. No. 46,431; Sept. 22; Gaz. vol. 206; p. 1139.
- Dorey, William A., Newark, Ohio, assignor to The Holophane Glass Co., New York, N. Y. Reflector or similar article. No. 45,618; Apr. 21; Gaz. vol. 201; p. 862.
- Dorfeld, Samuel, Brooklyn, N. Y. Scalloped and fringed lace band for curtains. No. 46,591; Oct. 27; Gaz. vol. 207; p. 1215.
- Dorothy, Arthur J., Springfield, Ill. Name-plate. No. 46,566; Oct. 20; Gaz. vol. 207; p. 893.
- Dornbusch, Josef, Crefeld, Germany, assignor to Theo. Tiedemann & Sons, New York, N. Y. Textile fabric. No. 45,103; Jan. 6; Gaz. vol. 198; p. 214.
- Doty, Edward J., assignor to Siegel, Rothschild & Co., Baltimore, Md. Parasol. No. 46,250; Aug. 11; Gaz. vol. 205; p. 627.
- Douglass, John W., Philadelphia, Pa., assignor to Protective "Freflo" Stoppie Company, Dover, Del. Bottle-neck valve means. No. 46,799; Dec. 29; Gaz. vol. 209; p. 1668.
- Douglass, Napoleon B., Berkeley, Cal. Built-in sideboard. Nos. 45,905-6; June 9; Gaz. vol. 203; p. 575.
- Douglass, Napoleon B., Berkeley, Cal. Built-in writing-desk. No. 45,927; June 16; Gaz. vol. 203; p. 888.
- Down, Thomas M., Hammersmith, London, England. Set of playing-cards. No. 45,449; Mar. 24; Gaz. vol. 200; p. 1081.
- Down, Thomas M., London, England. Set of playing-cards. No. 45,547; Mar. 31; Gaz. vol. 200; p. 1361.
- Downing Pneumatic Wheel Company. (See Kettler, Martin F., assignor.)
- Dowse, William B. H., Newton, Mass. Spoon, fork, or similar article. Nos. 45,688-9; Apr. 28; Gaz. vol. 201; p. 1187.
- Dowse, William B. H., Newton, Mass. Spoon, fork, or similar article. No. 45,702; May 5; Gaz. vol. 202; p. 284.
- Dowst, Samuel M., Chicago, Ill. Game-board. No. 46,163; July 28; Gaz. vol. 204; p. 1315.
- Drake, Ora, Cleveland, Ohio. Shoe for vacuum cleaning-machines. No. 46,631; Nov. 10; Gaz. vol. 208; p. 626.
- Du Bois, Joseph F., Springfield, Mass., assignor to Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. No. 45,104; Jan. 6; Gaz. vol. 198; p. 214.
- Dubois Watch Case Company. (See Depollier, Charles L., assignor.)
- Dugan, Sylvester, Tarentum, Pa. Post-card. No. 45,414; Mar. 17; Gaz. vol. 200; p. 831.
- Dunham, George W., Muscatine, Iowa. Shoe-lace and shoe-tongue holder. No. 45,862; June 2; Gaz. vol. 203; p. 271.
- Dunham, George W., assignor to Chalmers Motor Company, Detroit, Mich. Vehicle-body. Nos. 45,928-9; June 16; Gaz. vol. 203; p. 888.
- Dunn, Emanuel W., Oakland, Cal. Orchard-heater. No. 45,592; Apr. 14; Gaz. vol. 201; p. 536.
- Dunn, Emanuel W., Oakland, Cal. Orchard-heater. No. 45,703; May 5; Gaz. vol. 202; p. 285.
- Dunnock, John L., Baltimore, Md. Bottle. No. 45,375; Mar. 10; Gaz. vol. 200; p. 552.
- Duntley Pneumatic Sweeper Company. (See Ferguson, Leonard L., assignor.)
- Duval, Charles S., Holyoke, Mass. Tapping-hammer. No. 45,907; June 9; Gaz. vol. 203; p. 575.
- E. A. Laboratories. (See Aufero, Emanuel, assignor.)
- E. H. H. Smith Silver Company, The. (See Bennett, Charles A., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Cronk, Charles J., assignor.)
- E. L. Mansure Company. (See Weillert, Carl, assignor.)
- Eagle Pencil Company. (See Boman, Claes W., assignor.)
- Eason, Clarence M. (See Hendrickson and Eason.)
- Eaton, Benjamin M., Boston, Mass. Stopper. No. 46,632; Nov. 10; Gaz. vol. 208; p. 627.
- Ebeling, Phillip, assignor to Fostoria Glass Company, Moundsville, W. Va. Bottle. Nos. 45,186-7; Feb. 3; Gaz. vol. 199; p. 268.
- Ebeling, Phillip, assignor to Fostoria Glass Company, Moundsville, W. Va. Vase. No. 46,022; June 30; Gaz. vol. 203; p. 1523.
- Ebinger, David A., Columbus, Ohio. Urinal. No. 45,330; Mar. 3; Gaz. vol. 200; p. 245.
- Eckermann, Francis, El Paso, Tex. Pencil guard and clip with attached rubber. No. 46,649; Nov. 17; Gaz. vol. 208; p. 954.
- Economy Tumbler Co. (See Newton, Earl W., assignor.)
- Eddy, Robert, Milwaukee, Wis. Rattle. No. 45,450; Mar. 24; Gaz. vol. 200; p. 1082.
- Edward Miller & Company. (See Schoenhardt, Ferdinand P., assignor.)
- Edwards, George W., assignor to Funk & Wagnalls Company, New York, N. Y. Article of manufacture. No. 46,633; Nov. 10; Gaz. vol. 208; p. 627.
- Eginton, Arthur V., assignor to International Casket Hardware Co., Meriden, Conn. Burial-casket handle. No. 45,451; Mar. 24; Gaz. vol. 200; p. 1082.
- Eichhorn, Jacob C., assignor to Victor Jar Company, Detroit, Mich. Jar or receptacle. No. 45,801; May 19; Gaz. vol. 202; p. 920.
- Eick, Otto, St. Louis, Mo. Rubber brush. No. 45,548; Mar. 31; Gaz. vol. 200; p. 1361.
- Eick, Otto, St. Louis, Mo. Rubber brush. Nos. 46,592-6; Oct. 27; Gaz. vol. 207; p. 1216.
- Eigen, Benno vom, Newark, N. J., assignor to August Goertz & Co. Vanity-insert for bags. No. 45,680; Apr. 28; Gaz. vol. 201; p. 1185.
- Elco Company, The. (See Chase, Irwin, assignor.)
- Electric Auto-Life Company, The. (See Peters, John B., assignor.)
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 45,452; Mar. 24; Gaz. vol. 200; p. 1082.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 45,453-4; Mar. 24; Gaz. vol. 200; p. 1082.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 45,455; Mar. 24; Gaz. vol. 200; p. 1082.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 45,620-1; Apr. 21; Gaz. vol. 201; pp. 862-3.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 45,863; June 2; Gaz. vol. 203; p. 271.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Rug. No. 45,864; June 2; Gaz. vol. 203; p. 272.
- Elliott, John W., Wallingford, assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 45,619; Apr. 21; Gaz. vol. 201; p. 862.
- Ellis, Ralph N., Des Moines, Iowa. Wind-shield for motorcycles. No. 45,525; Mar. 31; Gaz. vol. 200; p. 1357.
- Elms & Sellon. (See Gegenheimer, George, assignor.)
- Elms & Sellon. (See Schroff and Cronk, assignors.)
- Embury Manufacturing Co. (See Hill, James H., assignor.)
- Engleman, Dyke F., New York, N. Y. Auditorium-cabinet. No. 45,865; June 2; Gaz. vol. 203; p. 272.
- English & Mersick Co., The. (See Williams, Gordon, assignor.)
- English & Mersick Company, The. (See Wheeler, Gardner E., assignor.)
- Erichsen, Henry F., Chicago, Ill. Emblem for a religious society. No. 46,207; Aug. 4; Gaz. vol. 205; p. 269.
- Ericson, Emile, Pelham, N. Y. Fabric. No. 46,122; July 21; Gaz. vol. 204; p. 978.
- Erskine, James L., Upper Montclair, N. J. Lathering implement. No. 46,208; Aug. 4; Gaz. vol. 205; p. 270.
- Evans, Clarence A., Chester, Pa. Sign. No. 45,149; Jan. 13; Gaz. vol. 198; p. 479.
- Evans, Howard S., Pittsburgh, Pa. Lamp-shade. No. 46,667; Nov. 24; Gaz. vol. 208; p. 1324.
- Evans, Howard S., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Lamp-shade. No. 45,415; Mar. 17; Gaz. vol. 200; p. 831.
- Evans, Willard R., Kansas City, Mo. Toy artificial bird or fowl. No. 46,726; Dec. 8; Gaz. vol. 209; p. 653.
- Everson, Charles W., Orange, N. J. Framework or head of a printing-wheel hand-stamp. No. 46,276; Aug. 18; Gaz. vol. 205; p. 980.
- Everton, James C., Chattanooga, Tenn. Churn-stand. No. 45,255; Feb. 17; Gaz. vol. 199; p. 910.
- Ewing, Robert E. (See Kopp and Ewing.)
- F. A. Cigol Rubber Co. (See De Mattia, Bartolomeo, assignor.)
- F. T. Pearce Company. (See Pearce, Aldridge G., assignor.)

Alphabetical list of patentees of designs—Continued.

- Fahnestock Electric Company. (See Schade, John, Jr., assignor.)
- Fair and Carnival Trading Co. (See Haskell, Samuel, assignor.)
- Fairhurst, William S., New York, N. Y. Valve. No. 46,164; July 28; Gaz. vol. 204; p. 1316.
- Falconer, Eugene G., San Francisco, Cal. Combined keyring and bottle-opener. No. 46,468; Sept. 29; Gaz. vol. 206; p. 1415.
- Falk, Albert, assignor to Falk Tobacco Company, New York, N. Y. Label-blank. No. 45,376; Mar. 10; Gaz. vol. 200; p. 552.
- Falk, Albert, assignor to Falk Tobacco Company, New York, N. Y. Label-blank. No. 45,704; May 5; Gaz. vol. 202; p. 285.
- Falk, Albert, assignor to Falk Tobacco Company, New York, N. Y. Label-blank. No. 45,744; May 12; Gaz. vol. 202; p. 602.
- Falk Tobacco Company. (See Falk, Albert, assignor.)
- Farlow, James N., Oakland, Cal. Folding bed. No. 45,866; June 2; Gaz. vol. 203; p. 272.
- Farnell, Firm of J. K. (See Scoles, Walter, assignor.)
- Farr, Edward A., assignor to Manning, Bowman & Company, Meriden, Conn. Percolator-pot. No. 45,331; Mar. 3; Gaz. vol. 200; p. 245.
- Farr, Edward A., assignor to Manning, Bowman & Company, Meriden, Conn. Kettle. No. 45,332; Mar. 3; Gaz. vol. 200; p. 245.
- Farr, Edward A., assignor to Manning, Bowman & Company, Meriden, Conn. Pot-body. No. 45,333; Mar. 3; Gaz. vol. 200; p. 245.
- Farr, Edward A., assignor to Manning, Bowman & Company, Meriden, Conn. Tray-handle. No. 45,745; May 12; Gaz. vol. 202; p. 602.
- Farr, Herman G., Springfield, Mass. Automobile fire-engine body. No. 45,416; Mar. 17; Gaz. vol. 200; p. 831.
- Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
- Federal Sign System (Electric). (See Goehst, John H., assignor.)
- Feeney, William P., Valparaiso, Ind., assignor to Pitkin & Brooks, Chicago, Ill. Glass article of manufacture. No. 45,188; Feb. 3; Gaz. vol. 199; p. 268.
- Ferguson, Leonard L., assignor to Duntley Pneumatic Sweeper Company, Chicago, Ill. Casing for pneumatic cleaners. Nos. 45,150-1; Jan. 13; Gaz. vol. 198; p. 479.
- Ferguson, Leonard L., Chicago, Ill., assignor to Duntley Pneumatic Sweeper Co. Pneumatic-sweeper body. No. 46,634; Nov. 10; Gaz. vol. 208; p. 627.
- Ferguson, Leonard L., Chicago, Ill., assignor to Duntley Pneumatic Sweeper Co. Carpet-sweeper body. No. 46,800; Dec. 29; Gaz. vol. 209; p. 1668.
- Fernandez, Victor, Guatemala, Guatemala. Cabinet-brush. No. 45,746; May 12; Gaz. vol. 202; p. 602.
- Fernsler, John, Philadelphia, Pa. Barber's sanitary cabinet. No. 45,747; May 12; Gaz. vol. 202; p. 603.
- Ferry, John F. B., San Francisco, Cal. Badge, pin, or similar article. No. 45,666; Apr. 28; Gaz. vol. 201; p. 1183.
- Fett, August W. (See Hutton, Bert L., assignor.)
- Field, Cornelius J., and R. Cilley, Brooklyn, assignors to Field Omnibus Company, New York, N. Y. Body for electrical omnibuses or other vehicles. No. 46,432; Sept. 22; Gaz. vol. 206; p. 1139.
- Field Omnibus Company. (See Field and Cilley, assignors.)
- Fieseler, George, Bellmore, assignor to Hayden W. Wheeler and Co., New York, N. Y. Box or case for holding and displaying watch-bracelets. No. 46,050; July 7; Gaz. vol. 204; p. 284.
- Figuerola Cut Glass Co. (See Rothfus, John F., assignor.)
- Fillmore, Waldo R., and E. Boillot, Kansas City, Mo. Section of a folding bed. No. 46,469; Sept. 29; Gaz. vol. 206; p. 1415.
- Fink, Henry, Newark, N. J. Stand for holding cigars, pipes, matches, and lighters. No. 46,165; July 28; Gaz. vol. 204; p. 1316.
- Finn, George, Newark, N. J. Self-heating sad-iron. No. 46,277; Aug. 18; Gaz. vol. 205; p. 980.
- Fischer, William, New York, N. Y. Ring or similar article. No. 45,456; Mar. 24; Gaz. vol. 200; p. 1083.
- Fischrupp, Frederick A., Whiting, Ind. Electric-lantern base. No. 46,051; July 7; Gaz. vol. 204; p. 284.
- Fisher, Warren S., New York, N. Y. Hygienic drinking-glass. No. 46,619; Nov. 3; Gaz. vol. 208; p. 306.
- Fitzgerald, Michael J., Lancaster, Cal. Game-board. No. 45,705; May 5; Gaz. vol. 202; p. 285.
- Flagstad, Peter C., assignor to Standard Baking Company, Minneapolis, Minn. Ice-cream cone. No. 45,748; May 12; Gaz. vol. 202; p. 603.
- Fleischauer, William J., and H. Richardson, Pontiac, Mich. Hammer-head. No. 45,690; Apr. 28; Gaz. vol. 201; p. 1187.
- Foley, John F., Attleboro, Mass. Holding-clip for pens or pencils. No. 46,727; Dec. 8; Gaz. vol. 209; p. 653.
- Follmer, Charles J., New York, N. Y. Parasol. No. 45,256; Feb. 17; Gaz. vol. 199; p. 910.
- Follmer, Charles J., New York, N. Y. Parasol. No. 45,593; Apr. 14; Gaz. vol. 201; p. 536.
- Follmer, Charles J., New York, N. Y. Parasol. No. 45,802; May 19; Gaz. vol. 202; p. 921.
- Forbes, Armitage S. C. and H. R. P., South Pasadena, Cal. Bell-guide-post souvenir. No. 46,273; Aug. 18; Gaz. vol. 205; p. 980.
- Forbes, Harry R. P. (See Forbes, Armitage S. C. and H. R. P.)
- Ford, Charles A., Newark, N. J. Fork and spoon. No. 45,189; Feb. 3; Gaz. vol. 199; p. 269.
- Ford, Charles A., Newark, N. J. Thumb-tack. No. 45,334; Mar. 3; Gaz. vol. 200; p. 245.
- Ford, Charles A., assignor to Ford Manufacturing Company, Newark, N. J. Article of manufacture. No. 46,728; Dec. 8; Gaz. vol. 209; p. 653.
- Ford Manufacturing Company. (See Ford, Charles A., assignor.)
- Ford, Thomas B., New York, N. Y. Statuette. No. 45,989; June 23; Gaz. vol. 203; p. 1226.
- Forward, Walter L., Berkeley, Cal. Diffusion-disk. No. 45,335; Mar. 3; Gaz. vol. 200; p. 246.
- Foss, William D., Centralia, Wash. Saw attachment. No. 46,361; Sept. 8; Gaz. vol. 206; p. 560.
- Foster, William M. C., Chicago, Ill. Bicycle front-fork crown. No. 45,457; Mar. 24; Gaz. vol. 200; p. 1083.
- Foster, Winfred C., New York, N. Y., assignor to Pacific Mills, Boston, Mass. Printed textile fabric. No. 45,377; Mar. 10; Gaz. vol. 200; p. 552.
- Fostoria Glass Company. (See Ebeling, Phillip, assignor.)
- Fox, Thomas A., assignor to The Steffens-Amberg Co., Newark, N. J. Turnback loop for harness. No. 46,398; Sept. 15; Gaz. vol. 206; p. 847.
- Francis, George B., and B. H. Smith, assignors to Westinghouse, Church, Kerr & Company, New York, N. Y. Motor-truck body. No. 45,105; Jan. 6; Gaz. vol. 198; p. 214.
- Frank, John, Brooklyn, N. Y. Shoe. No. 45,803; May 19; Gaz. vol. 202; p. 921.
- Frankel, Perry, Philadelphia, Pa. Border for lace edging. No. 45,867; June 2; Gaz. vol. 203; p. 272.
- French, Ira L. (See Beardslee and French.)
- French, William A., assignor to William A. French & Company, Minneapolis, Minn. Humidor. No. 45,526; Mar. 31; Gaz. vol. 200; p. 1357.
- Friedberger-Aaron Manufacturing Company. (See Goodman, Samuel N., assignor.)
- Friedberger-Aaron Manufacturing Company. (See Kostenbader, Charles W. H., assignor.)
- Friedley-Voshardt Company. (See Mohrmann, Paul, assignor.)
- Friedley-Voshardt Company. (See Voshardt, Herman F., assignor.)
- Frissell, Frank H., assignor to The Russell Mfg. Co., Middletown, Conn. Elastic webbing. Nos. 45,167-8; Jan. 20; Gaz. vol. 198; p. 677.
- Fuchs, Ernesto, Trenton, N. J. Powder box or can. No. 46,334; Sept. 1; Gaz. vol. 206; p. 284.
- Fulger, John, Alachua, Fla. Bed. No. 45,190; Feb. 3; Gaz. vol. 199; p. 269.
- Fuller, Franz A., Newark, N. J. Razor-blade. No. 45,908; June 9; Gaz. vol. 203; p. 575.
- Funk & Wagnalls Company. (See Edwards, George W., assignor.)
- G. W. J. Murphy Company. (See Murphy, George W. J., assignor.)
- Gaertner, Rudolf. (See Sticher, Christian, assignor.)
- Gaertner, Rudolf. (See Walklett, Frederick T., assignor.)
- Gallaudet, Edson F., Norwich, Conn. Hydroaeroplane-body. No. 45,106; Jan. 6; Gaz. vol. 198; p. 215.
- Galvin, John F., New York, N. Y. Fastener. No. 45,909; June 9; Gaz. vol. 203; p. 576.
- Gammeter, John R., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company. Tire-tread. No. 45,107; Jan. 6; Gaz. vol. 198; p. 215.
- Garage Equipment Manufacturing Company. (See Discher, Grant F., assignor.)
- Gardin, Laura, Westport, Conn. Medal, medallion, or watch-charm. No. 46,399; Sept. 15; Gaz. vol. 206; p. 847.
- Gardner, Harry F., assignor to Cement Products Company, Battle Creek, Mich. Couch-casket. No. 45,930; June 16; Gaz. vol. 203; p. 888.
- Garretson, Eugene, Buffalo, N. Y. Casing for therapeutic instruments. No. 45,804; May 19; Gaz. vol. 202; p. 921.
- Garrett Go-Cart & Carriage Company. (See Layton, William P., assignor.)
- Gattiker, Robert, Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. No. 46,597; Oct. 27; Gaz. vol. 207; p. 1216.
- Gaul, Godfried J., assignor to Daprato Statuary Company, Chicago, Ill. Support for sounding-boards. No. 46,362; Sept. 8; Gaz. vol. 206; p. 561.
- Gaunt, John W., South Hadley, Mass. Match-scratcher. No. 45,706; May 5; Gaz. vol. 202; p. 285.
- Gavin, John J., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. No. 46,166; July 28; Gaz. vol. 204; p. 1316.
- Gaworski, Leopold, Edmonton, Alberta, Canada. Game-board. No. 46,801; Dec. 29; Gaz. vol. 209; p. 1668.
- Gebelein, George C., Wellesley, Mass. Door-knocker. No. 46,088; July 14; Gaz. vol. 204; p. 646.
- Gebhardt, Charles C., Richmond, Va. Clip. No. 46,433; Sept. 22; Gaz. vol. 206; p. 1140.

Alphabetical list of patentees of designs—Continued.

- Gegenheimer, George, New York, N. Y., assignor to Elms & Sellon, New York, N. Y. Textile fabric. No. 46,635; Nov. 10; Gaz. vol. 208; p. 627.
- Gehring, Frederic, Waynesburg, Pa. Piano-case. No. 46,668; Nov. 24; Gaz. vol. 208; p. 1325.
- Gem City Stove Manufacturing Company. (See Specht, Adolph A., assignor.)
- General Electric Company. (See Brown, Carl A., assignor.)
- General Electric Company. (See Brown and Grant, assignors.)
- General Electric Company. (See Davies, Andrew H., assignor.)
- General Electric Company. (See Grant, Florence L., assignor.)
- General Electric Company. (See Grant and Brown, assignors.)
- George E. Lee Company, The. (See Lee, George E., assignor.)
- Gibbons, William J., Philadelphia, Pa. Dish. No. 46,335; Sept. 1; Gaz. vol. 206; p. 284.
- Gibbs, Fred C., South Portland, Me. Milk-bottle holder. No. 46,089; July 14; Gaz. vol. 204; p. 646.
- Gibson, Arthur H. C., New York, N. Y. Automobile. No. 45,868; June 2; Gaz. vol. 203; p. 272.
- Gibson, Francis W., West Roxbury, Mass. Display-rack. No. 46,400; Sept. 15; Gaz. vol. 206; p. 848.
- Gilbert, Edward, Freeport, Ill. Sign. No. 45,931; June 16; Gaz. vol. 203; p. 888.
- Gill Brothers Company. (See Gray, Edward F., assignor.)
- Gill Brothers Company. (See Holton, Jephtha L., assignor.)
- Gill Brothers Company. (See Strong, James H., assignor.)
- Gill Brothers Company. (See Thompson, Russell D. A., assignor.)
- Gill & Co. (See Kappler, Jacob, assignor.)
- Gilleland, Pierre H. (See Clark, Willard F., assignor.)
- Gillespie, Ozro H. and V. V., Madison, Nebr. Fly-trap. No. 45,622; Apr. 21; Gaz. vol. 201; p. 863.
- Gillespie, Victor V. (See Gillespie, Ozro H. and V. V.)
- Gillinder & Sons. (See Booth, Kraft, assignor.)
- Gillingham, Charles A., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Electric-battery casing. No. 46,023; June 30; Gaz. vol. 203; p. 1523.
- Gilmore, James S. and W. D. Hall, Kalamazoo, Mich. Statuette. No. 45,707; May 5; Gaz. vol. 202; p. 285.
- Gilmore, James S. and W. D. Hall, Kalamazoo, Mich. Statuette. No. 45,749; May 12; Gaz. vol. 202; p. 603.
- Giordano, Anthony, San Antonio, Tex. Cabinet-bed. No. 45,708; May 5; Gaz. vol. 202; p. 285.
- Girndt, Arthur F., Belleville, Tex. Cuticle implement. No. 46,636; Nov. 10; Gaz. vol. 208; p. 627.
- Glauber, Joseph H., Cleveland, Ohio. Handle for faucets and other articles. No. 45,227; Feb. 10; Gaz. vol. 199; p. 575.
- Gleason, Marshall W., New York, N. Y. Artificial-light shade. No. 46,123; July 21; Gaz. vol. 204; p. 978.
- Godley, Charles E., Detroit, Mich. Vehicle-lamp. No. 46,495; Oct. 6; Gaz. vol. 207; p. 267.
- Goehst, John H., assignor to Federal Sign System (Electric), Chicago, Ill. Electric hand-lamp. No. 46,279; Aug. 18; Gaz. vol. 205; p. 980.
- Goldberg, Shepard J., New York, N. Y. Bottle. No. 46,090; July 14; Gaz. vol. 204; p. 646.
- Goldberg, Solomon H., assignor to The West Coast Roofing and Manufacturing Company, Chicago, Ill. Ornamental flexible roofing. No. 45,836; May 26; Gaz. vol. 202; p. 1232.
- Goldsol, Frank J., New York, N. Y., assignor to M. Tecla & Company. Display-board. No. 45,417; Mar. 17; Gaz. vol. 200; p. 831.
- Goldstein, William L., and G. C. Van Essen, Pittsburgh, Pa. Barber's wall-case. No. 45,594; Apr. 14; Gaz. vol. 201; p. 536.
- Goodman, Samuel N., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Trimming. Nos. 45,869-71; June 2; Gaz. vol. 203; pp. 272-3.
- Goodman, Samuel N., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Lace edging. No. 45,872; June 2; Gaz. vol. 203; p. 273.
- Goodwin, Myron, Berwick, Me. Polisher. No. 46,526; Oct. 13; Gaz. vol. 207; p. 583.
- Gorham Manufacturing Company. (See Codman, William C., assignor.)
- Gorsuch, Benjamin F., assignor of one-third to C. Black, Martinsburg, Pa. Shoe-nail. No. 46,669; Nov. 24; Gaz. vol. 208; p. 1325.
- Gorton, William E., St. Joseph, Mo. Pump-casing. No. 46,336; Sept. 1; Gaz. vol. 206; p. 284.
- Gothberg, Herman E., Roselle Park, N. J. Lighting-fixture trimming. Nos. 46,337-8; Sept. 1; Gaz. vol. 206; p. 285.
- Goudy, Frederic W., Brooklyn, N. Y. Font of type. No. 45,108; Jan. 6; Gaz. vol. 198; p. 215.
- Gould, Lena, Rochester, Ind. Doll. No. 46,637; Nov. 10; Gaz. vol. 208; p. 627.
- Gowran, Harry C., assignor to The Hamilton Manufacturing Company, Two Rivers, Wis. Cabinet. No. 45,623; Apr. 21; Gaz. vol. 201; p. 863.
- Gowran, Harry C., assignor to The Hamilton Manufacturing Company, Two Rivers, Wis. Cabinet. Nos. 45,805-6; May 19; Gaz. vol. 202; p. 921.
- Graham, Edward M., assignor to Vaughan & Bushnell Mfg. Co., Chicago, Ill. Wood-chisel. No. 45,527; Mar. 31; Gaz. vol. 200; p. 1357.
- Graham, William P., Brooklyn, N. Y. Plate. No. 45,191; Feb. 3; Gaz. vol. 199; p. 269.
- Graham, William P., Brooklyn, N. Y. Plate. No. 45,336; Mar. 3; Gaz. vol. 200; p. 246.
- Grainger, Charles F. and W. C. Brohm, assignors to Grainger & Company, Louisville, Ky. Stand. No. 46,527; Oct. 13; Gaz. vol. 207; p. 583.
- Grainger & Company. (See Grainger and Brohm, assignors.)
- Grant, Florence L. (See Brown and Grant.)
- Grant, Florence L., Fostoria, Ohio, assignor to General Electric Company. Shade or reflector. No. 46,786; Dec. 22; Gaz. vol. 209; p. 1288.
- Grant, Florence L. and C. A. Brown, Fostoria, Ohio, assignors to General Electric Company. Lamp shade or reflector. Nos. 45,624-9; Apr. 21; Gaz. vol. 201; pp. 863-4.
- Grant, Katherine K., New York, N. Y. Doll or effigy. No. 45,873; June 2; Gaz. vol. 203; p. 273.
- Granz, Joseph, Chicago, Ill. Case for coin-controlled clocks and savings-banks. No. 46,434; Sept. 22; Gaz. vol. 206; p. 1140.
- Gravier, William, and M. P. Hutchins, Detroit, Mich. Wrench. No. 45,556; Apr. 7; Gaz. vol. 201; p. 239.
- Gray, Edward F., New York, N. Y., assignor to Gill Brothers Company, Steubenville, Ohio. Shade-bowl. No. 45,337; Mar. 3; Gaz. vol. 200; p. 246.
- Gray, Edward F., New York, N. Y., assignor to Gill Brothers Company, Steubenville, Ohio. Shade. No. 45,338; Mar. 3; Gaz. vol. 200; p. 246.
- Great Western Manufacturing Co. (See Lonn, Edward J., assignor.)
- Gredelue, Adrien, New York, N. Y., assignor to A. Michaut, Baccarat, France. Glasses or similar articles. No. 45,528; Mar. 31; Gaz. vol. 200; p. 1357.
- Green, George W., assignor to Ten Broeck Tyre Company, Louisville, Ky. Tire-tread. No. 45,807; May 19; Gaz. vol. 202; p. 922.
- Green, John T. (See Crowley, George W., assignor.)
- Greene, George W., assignor to Ten Broeck Tyre Company, Louisville, Ky. Tire. No. 46,670; Nov. 24; Gaz. vol. 208; p. 1325.
- Greenleaf, William H., Hartford, Conn. Puzzle-box. No. 45,709; May 5; Gaz. vol. 202; p. 286.
- Greenpoint Metallic Bed Company. (See Lies, William, assignor.)
- Greer, Alpheus M., Runnels county, near Goldsboro, Tex. Combined knife and saw. No. 46,091; July 14; Gaz. vol. 204; p. 647.
- Griffin, James C., assignor to Griffin Manufacturing Company, Erie, Pa. Hinge-leaf. No. 46,496; Oct. 6; Gaz. vol. 207; p. 267.
- Griffin Manufacturing Company. (See Griffin, James C., assignor.)
- Griffin, Robert B., New York, N. Y. Wall-covering. Nos. 45,710-12; May 5; Gaz. vol. 202; p. 286.
- Griffin, Robert B., assignor to Robert Griffin Co., New York, N. Y. Wall-paper. No. 46,729; Dec. 8; Gaz. vol. 209; p. 654.
- Gross, Oswald M., Chicago, Ill. Vehicle-body. No. 45,990; June 23; Gaz. vol. 203; p. 1226.
- Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Protective shield. No. 45,595; Apr. 14; Gaz. vol. 201; p. 537.
- Gulick, Charlotte V., assignor to Camp Fire Outfitting Co., New York, N. Y. Frame for beadwork-loom. No. 46,497; Oct. 6; Gaz. vol. 207; p. 267.
- Gunther, John, St. Paul, Minn. Badge. No. 45,378; Mar. 10; Gaz. vol. 200; p. 552.
- Gustafson, Herbert E., Pueblo, Colo. Electric-lamp shade. No. 45,808; May 19; Gaz. vol. 202; p. 922.
- Guth, Edwin F., St. Louis, Mo. Lamp-shade. No. 45,557; Apr. 7; Gaz. vol. 201; p. 240.
- Gutmann, Charles H., Mount Vernon, assignor to Lazarus & Rosenfeld, New York, N. Y. Candlestick. No. 46,124; July 21; Gaz. vol. 204; p. 979.
- H. D. Smith & Company, The. (See Thomson, William S., assignor.)
- H. H. Mayhew Company. (See Bardwell, Edwin A., assignor.)
- Haase, Leo G., Pasadena, Cal. Bench. No. 46,770; Dec. 15; Gaz. vol. 209; p. 1026.
- Hadley, Hellen P., Boston, Mass. Rug. No. 45,713; May 5; Gaz. vol. 202; p. 286.
- Haig, John A., Ladymead, Ascot, England. Bottle or flask. No. 45,295; Feb. 24; Gaz. vol. 199; p. 1215.
- Haley, Reuben, Beaver, assignor to United States Glass Company, Pittsburgh, Pa. Glass jar. No. 45,228; Feb. 10; Gaz. vol. 199; p. 576.
- Haley, Reuben, Beaver, assignor to United States Glass Company, Pittsburgh, Pa. Glass vessel. No. 45,229; Feb. 10; Gaz. vol. 199; p. 576.
- Haley, Reuben, Beaver, assignor to United States Glass Company, Pittsburgh, Pa. Pitcher. No. 45,230; Feb. 10; Gaz. vol. 199; p. 576.

Alphabetical list of patentees of designs—Continued.

- Haley, Reuben, Beaver, Pa., assignor to United States Glass Company, Pittsburgh, Pa. Glass jar. No. 45,296; Feb. 24; Gaz. vol. 199; p. 1215.
- Hall, Ezekiel, Sharon, Mass. Smoking set. No. 46,528; Oct. 13; Gaz. vol. 207; p. 583.
- Hall, Robert R., Millbrae, Cal. Bridge for spectacles and eyeglasses. No. 45,418; Mar. 17; Gaz. vol. 200; p. 831.
- Hall, William D. (See Gilmore, James S., assignor.)
- Hall, William D. (See Gilmore and Hall.)
- Hamilton, Frederick, Providence, R. I. Lens-clip. No. 45,630; Apr. 21; Gaz. vol. 201; p. 864.
- Hamilton Manufacturing Company, The. (See Clamplitt, Allen G., assignor.)
- Hamilton Manufacturing Company, The. (See Gowran, Harry C., assignor.)
- Hammond, John G., Chicago, Ill., assignor to Thos. Cusack Company. Sign. Nos. 45,297-9; Feb. 24; Gaz. vol. 199; p. 1215.
- Hammond, John G., Chicago, Ill., assignor to Thos. Cusack Co. Sign. No. 45,714; May 5; Gaz. vol. 202; p. 286.
- Hammond, William P., Passaic, N. J. Mirror attachment for automobiles for showing the rear traffic conditions. No. 45,379; Mar. 10; Gaz. vol. 200; p. 552.
- Hancock, Clara E., Oceanpark, Cal. Button. No. 46,567; Oct. 20; Gaz. vol. 207; p. 893.
- Hand, William A., Providence, R. I. Lemon-squeezer. No. 46,330; Sept. 1; Gaz. vol. 206; p. 285.
- Handy, Henry, New York, N. Y. Cracker or like article. No. 45,152; Jan. 13; Gaz. vol. 198; p. 479.
- Hansen, Augie L., assignor to Justrite Manufacturing Company, Chicago, Ill. Multiple carbid-container. No. 46,280; Aug. 18; Gaz. vol. 205; p. 981.
- Hansen, Augie L., assignor to Justrite Manufacturing Company, Chicago, Ill. Fire-extinguisher body. No. 46,771; Dec. 15; Gaz. vol. 209; p. 1027.
- Hansen, Hans P., assignor to Chicago Cycle Supply Company, Chicago, Ill. Tire. Nos. 45,932-3; June 16; Gaz. vol. 203; p. 889.
- Hansen, John P., Racine, Wis. Clothes-line holder. No. 45,667; Apr. 28; Gaz. vol. 201; p. 1183.
- Harding, Thomas. (See Sommer and Harding.)
- Harding, Thomas, Newark, N. J., assignor to J. L. Sommer Manufacturing Co. Bottle-opener and pick. No. 46,311; Aug. 25; Gaz. vol. 205; p. 1293.
- Harman, Charles W., New Rochelle, N. Y. Handle for spoons, forks, or similar articles. No. 45,300; Feb. 24; Gaz. vol. 199; p. 1216.
- Harper, George W., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Automobile-body. No. 46,498; Oct. 6; Gaz. vol. 207; p. 267.
- Harrah, William F., and W. H. Parkin, assignors to National-Standard Company, Niles, Mich. Lifting-jack standard. No. 45,837; May 26; Gaz. vol. 202; p. 1232.
- Harrison, James R., Peoria, assignor to M. Rumely Company, Laporte, Ind. Casing for grain-weighers for threshing-machines and the like. No. 46,671; Nov. 24; Gaz. vol. 208; p. 1325.
- Hartenstein, Jacob A., assignor to Lipper Manufacturing Company, Philadelphia, Pa. Knitted millinery fabric. No. 45,419; Mar. 17; Gaz. vol. 200; p. 832.
- Harter, Augustus F., assignor to Cribben & Sexton Company, Chicago, Ill. Base-burner. No. 45,631; Apr. 21; Gaz. vol. 201; p. 864.
- Hartford Carpet Corporation. (See Du Bois, Joseph F., assignor.)
- Hartford Carpet Corporation. (See Pegel, Julius T., assignor.)
- Harting, Clayton C., and T. L. Knapp, Woodstock, assignors to The Oliver Typewriter Company, Chicago, Ill. Type-writing-machine frame. No. 45,420; Mar. 17; Gaz. vol. 200; p. 832.
- Hartman, John H., Lancaster, Pa. Toy bank. No. 45,458; Mar. 24; Gaz. vol. 200; p. 1083.
- Hartmann, Mary S. C., Oakland, Cal. Gas-plate. No. 45,339; Mar. 3; Gaz. vol. 200; p. 246.
- Harvey, Robert. (See Chodorkow and Harvey.)
- Hasbrouck, John, New York, N. Y. Tile flooring. No. 46,251; Aug. 11; Gaz. vol. 205; p. 627.
- Hasburg, John W., Chicago, Ill. Paint product and palette. No. 45,257; Feb. 17; Gaz. vol. 199; p. 911.
- Hasburg, John W., Chicago, Ill. Combined paint product and palette. No. 45,421; Mar. 17; Gaz. vol. 200; p. 832.
- Haskell, Samuel, assignor to Fair and Carnival Trading Co., Inc., New York, N. Y. Doll. No. 46,730; Dec. 8; Gaz. vol. 209; p. 654.
- Hastings, Don T., assignor to Packard Motor Car Company, Detroit, Mich. Hub-cap. No. 46,499; Oct. 6; Gaz. vol. 207; p. 267.
- Haverfield, Brice W., La Grange, Ill. Cabinet. No. 45,934; June 16; Gaz. vol. 203; p. 889.
- Haviland, Charles E., Limoges, France. Covered dish or similar article. Nos. 45,109-12; Jan. 6; Gaz. vol. 198; pp. 215-16.
- Haviland, Theodore, Limoges, France. Covered dish. No. 45,558; Apr. 7; Gaz. vol. 201; p. 240.
- Haviland, Theodore, Limoges, France. Plate. Nos. 46,802-3; Dec. 29; Gaz. vol. 209; p. 1668.
- Hawe, William F. M., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Globe. No. 46,435; Sept. 22; Gaz. vol. 206; p. 1140.
- Hawkes, Townsend D. M., Corning, N. Y. French-dressing bottle. No. 46,500; Oct. 6; Gaz. vol. 207; p. 268.
- Hawkins, Eugene A., North Attleboro, Mass. Mesh-bag. No. 46,731; Dec. 8; Gaz. vol. 209; p. 654.
- Hawley, John H., New York, N. Y. Button. No. 45,910; June 9; Gaz. vol. 203; p. 576.
- Hawley, John H., New York, N. Y. Button. Nos. 45,991-3; June 23; Gaz. vol. 203; p. 1227.
- Hawley, John H., New York, N. Y. Button. No. 46,125; July 21; Gaz. vol. 204; p. 979.
- Hawley, John H., New York, N. Y., assignor to American Enamel Co. Button. No. 45,169; Jan. 20; Gaz. vol. 198; p. 677.
- Haworth, Charles M., assignor to Cohn, Goldwater & Co., Los Angeles, Cal. Overalls. No. 46,598; Oct. 27; Gaz. vol. 207; p. 1217.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp. No. 45,750; May 12; Gaz. vol. 202; p. 603.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Mounting for lamps and lamp-supply containers. No. 46,092; July 14; Gaz. vol. 204; p. 647.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Vehicle signaling device. No. 46,672; Nov. 24; Gaz. vol. 208; p. 1325.
- Hawthorne, Ellsworth A., assignor to The Hawthorne Manufacturing Company, Incorporated, Bridgeport, Conn. Lamp. No. 45,691; Apr. 28; Gaz. vol. 201; p. 1187.
- Hawthorne Manufacturing Company, The. (See Hawthorne, Ellsworth A., assignor.)
- Hayden W. Wheeler and Co. (See Fieseler, George, assignor.)
- Head, William H., Hookset, N. H. Loving-cup or similar receptacle. No. 45,632; Apr. 21; Gaz. vol. 201; p. 865.
- Heath, Frederick G., Headless Cross, near Redditch, England. Holder for securing crochet-balls to the user's wrist. No. 46,126; July 21; Gaz. vol. 204; p. 979.
- Hebbard, Harrison, East Orange, N. J., assignor to Dominick & Haff, New York, N. Y. Plate or tray or similar article. No. 45,715; May 5; Gaz. vol. 202; p. 286.
- Hebbard, Harrison, East Orange, N. J., assignor to Dominick & Haff, New York, N. Y. Pot or similar article. No. 45,935; June 16; Gaz. vol. 203; p. 889.
- Heberling, John, Rochester, N. Y. Clothes-line pulley. No. 45,258; Feb. 17; Gaz. vol. 199; p. 911.
- Hedmark, Joseph H., Chicago, Ill. Valve-body. No. 45,994; June 23; Gaz. vol. 203; p. 1227.
- Hees, Marle A., St. Joseph, Mo. Crochet lace draping. No. 46,732; Dec. 8; Gaz. vol. 209; p. 654.
- Heine, Arthur, New York, N. Y. Fabric. No. 45,874; June 2; Gaz. vol. 203; p. 273.
- Heisey, Clarence, assignor to A. H. Heisey & Co., Newark, Ohio. Sugar-tray or similar receptacle. No. 45,138; Jan. 6; Gaz. vol. 198; p. 221.
- Heisey, Clarence, assignor to A. H. Heisey & Co., Newark, Ohio. Goblet or similar article. No. 46,733; Dec. 8; Gaz. vol. 209; p. 655.
- Heisey & Co., A. H. (See Heisey, Clarence, assignor.)
- Heisey & Co., A. H. (See Sanford, Andrew J., assignor.)
- Heisey & Co., A. H. (See Whipple, Clyde S., assignor.)
- Heller, Albert, *et al.* (See Lloyd, George, assignor.)
- Heller, Benjamin, *et al.* (See Lloyd, George, assignor.)
- Heller, David, assignor to A. Weiskittel & Son Co., Baltimore, Md. Soil-pipe fitting. No. 45,301; Feb. 24; Gaz. vol. 199; p. 1216.
- Heller, Samuel, New York, N. Y. Precious, semiprecious, synthetic, or imitation stone. No. 45,668; Apr. 28; Gaz. vol. 201; p. 1183.
- Heller, Samuel, New York, N. Y. Precious or semiprecious or synthetic stone or an imitation thereof. Nos. 46,734-5; Dec. 8; Gaz. vol. 209; p. 655.
- Heller, William J., Easton, Pa. Flag-holder. No. 46,363; Sept. 8; Gaz. vol. 206; p. 561.
- Henckel, Gustave A., New York, N. Y. Border-section. No. 45,751; May 12; Gaz. vol. 202; p. 603.
- Henckel, Gustave A., New York, N. Y. Dish. No. 45,752; May 12; Gaz. vol. 202; p. 603.
- Henckel, Gustave A., South Orange, N. J. Border-section. No. 46,209; Aug. 4; Gaz. vol. 205; p. 270.
- Henderson, Harry. (See Brownrigg, Henderson, and Case.)
- Hendrickson, Robert O., and C. M. Eason, Cleveland, Ohio, assignors to Wallis Tractor Company, Racine, Wis. Tractor-body. No. 45,302; Feb. 24; Gaz. vol. 199; p. 1216.
- Henkels, Charles H., Philadelphia, Pa., assignor to The Carter's Ink Company, Boston, Mass. Ink-bottle. Nos. 45,113-14; Jan. 6; Gaz. vol. 198; p. 216.
- Henkels, Max, Langerfeld, near Barmen, Germany. Lace. No. 45,422; Mar. 17; Gaz. vol. 200; p. 832.
- Henry, Frank R., St. Louis, Mo. Stove or range warming-oven. No. 46,340; Sept. 1; Gaz. vol. 206; p. 285.
- Henry K. Wampole and Company. (See Human, Samuel M., assignor.)
- Hersee, Frederick C., Roslindale, Mass., assignor to Motor Specialties Company. Wheel-puller. No. 45,459; Mar. 24; Gaz. vol. 200; p. 1083.
- Herzog, John, Saginaw, Mich. Cabinet. No. 45,460; Mar. 24; Gaz. vol. 200; p. 1083.
- Hester, Dozier, Wade, Miss. Nut-lock. No. 45,340; Mar. 3; Gaz. vol. 200; p. 246.

Alphabetical list of patentees of designs—Continued.

- Heys, John J., Lynn, Mass., assignor to United Shoe Machinery Company. Die. No. 45,115; Jan. 6; Gaz. vol. 198; p. 216.
- Hick, Harry J., assignor to The McCaskey Register Company, Alliance, Ohio. Clamping member for filing appliances. No. 45,192; Feb. 3; Gaz. vol. 199; p. 269.
- Highland Body Mfg. Company, The. (See Morrison, James, assignor.)
- Hildebrand, Louis P., San Marcial, N. Mex. Stove. No. 45,529; Mar. 31; Gaz. vol. 200; p. 1358.
- Hill, James H., Rochester, assignor to Embury Manufacturing Co., Warsaw, N. Y. Carriage-lamp. No. 46,093; July 14; Gaz. vol. 204; p. 647.
- Hill, William B., San Francisco, Cal. Garter-clasp. No. 45,669; Apr. 28; Gaz. vol. 201; p. 1183.
- Hillbom, Henrik, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon, fork, or similar article. No. 45,716; May 5; Gaz. vol. 202; p. 287.
- Hillbom, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon, fork, or similar article. No. 46,281; Aug. 18; Gaz. vol. 205; p. 981.
- Hillbom, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon, fork, or similar article. No. 46,364; Sept. 8; Gaz. vol. 206; p. 561.
- Hiller, James M., Albany, N. Y. Combined broom and dust-pan holder. No. 45,875; June 2; Gaz. vol. 203; p. 273.
- Himebaugh, Adelbert C. (See Himebaugh, Ray C., assignor.)
- Himebaugh, Ray C., assignor to A. C. Himebaugh, Burr Oak, Mich. Staff for hand-planters. No. 46,736; Dec. 8; Gaz. vol. 209; p. 655.
- Hinckley, Henry D., assignor to The R. & H. Manufacturing Company, Hartford, Conn. Casing for vending-machines. No. 45,530; Mar. 31; Gaz. vol. 200; p. 1358.
- Hinrichs, Mabel W., assignor to Burley & Tyrrell Company, Chicago, Ill. Article of manufacture. No. 46,127; July 21; Gaz. vol. 204; p. 979.
- Hinsdill, Charles A., Troy, N. Y. Electric-light-fixture bracket. No. 46,737; Dec. 8; Gaz. vol. 209; p. 656.
- Hiser, Charles H., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Metallic vault. No. 45,259; Feb. 17; Gaz. vol. 199; p. 911.
- Hislop, David B. (See Vermilye and Hislop.)
- Hoch, Ernest, New York, N. Y., assignor to Pacific Mills, Boston, Mass. Printed textile fabric. Nos. 45,380-2; Mar. 10; Gaz. vol. 200; p. 553.
- Hochstadter, Sigmund, New York, N. Y. Bottle. Nos. 45,936-9; June 16; Gaz. vol. 203; p. 890.
- Hocking Valley Products Company. (See Reagan, Daniel E., assignor.)
- Hoffman, Charles M., Lebanon, N. H. Faucet. No. 46,024; June 30; Gaz. vol. 203; p. 1523.
- Hoffman, George D., Pasadena, Cal., assignor to Hoffman Specialty Company, Boston, Mass. Radiator-air-valve casing. Nos. 46,341-2; Sept. 1; Gaz. vol. 206; pp. 285-6.
- Hoffman Specialty Company. (See Hoffman, George D., assignor.)
- Hogan, Daniel, Hoboken, N. J., assignor to Whitall Tatum Company, New York, N. Y. Metal hot-water bottle. No. 46,673; Nov. 24; Gaz. vol. 208; p. 1325.
- Holladay, Alfred J., London, England. Toy. No. 45,531; Mar. 31; Gaz. vol. 200; p. 1358.
- Holophane Glass Co., The. (See Dorey, William A., assignor.)
- Holt, Cornelius E., Washingtonville, and P. R. Rauch, assignors to The Leetonia Tool Company, Leetonia, Ohio. Drill-holding head for miners' drills. No. 46,674; Nov. 24; Gaz. vol. 208; p. 1326.
- Holton, Frank, Chicago, Ill. Cornet. No. 46,501; Oct. 6; Gaz. vol. 207; p. 268.
- Holton, Jephtha L., assignor to Gill Brothers Company, Steubenville, Ohio. Reflector-shade. No. 45,633; Apr. 21; Gaz. vol. 201; p. 865.
- Holwick, Bramwell C., Canton, Ohio. Vehicle-tire. No. 46,675; Nov. 24; Gaz. vol. 208; p. 1326.
- Hopkins, Frank T., and G. Painter, St. Louis, Mo., assignors to Thos. Cusack Co. Sign. No. 45,833; May 26; Gaz. vol. 202; p. 1232.
- Hopwood, William B., assignor to The Beacon Falls Rubber Shoe Company, Beacon Falls, Conn. Sole for footwear. No. 46,568; Oct. 20; Gaz. vol. 207; p. 893.
- Horlick, Arabella R., Racine, Wis. Dough-raising cabinet. No. 46,365; Sept. 8; Gaz. vol. 206; p. 561.
- Houston Manufacturing Company. (See Sutton, William S., assignor.)
- Howes, George W., Dowagiac, Mich. Cooking-stove. No. 46,470; Sept. 29; Gaz. vol. 206; p. 1416.
- Howes, George W., assignor to Estate of P. D. Beckwith, Inc., Dowagiac, Mich. Heating-stove. No. 45,634; Apr. 21; Gaz. vol. 201; p. 865.
- Howes, George W., assignor to Estate of P. D. Beckwith, Inc., Dowagiac, Mich. Heating-stove. No. 46,094; July 14; Gaz. vol. 204; p. 647.
- Huber, Charles, New York, N. Y., assignor, by mesne assignments, to Triplex Manufacturing Co., Incorporated. Gas-saving attachment for gas-stoves. No. 46,401; Sept. 15; Gaz. vol. 206; p. 848.
- Huettel, Albin G., West Hoboken, N. J. Cap. No. 45,596; Apr. 14; Gaz. vol. 201; p. 537.
- Human, Samuel M., Merchantville, N. J., assignor to Henry K. Wampole and Company, Incorporated, Philadelphia, Pa. Bottle. No. 45,753; May 12; Gaz. vol. 202; p. 604.
- Humphrey, Alfred H., New York, N. Y. Gas-lamp. No. 45,461; Mar. 24; Gaz. vol. 200; p. 1083.
- Humphrey, Alfred H., New York, N. Y. Gas-lamp. No. 45,635; Apr. 21; Gaz. vol. 201; p. 865.
- Humphrey, Herbert S., Kalamazoo, Mich., assignor to Ruud Manufacturing Company, Pittsburgh, Pa. Water-heater body. No. 46,252; Aug. 11; Gaz. vol. 205; p. 627.
- Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum, oil-cloth, or floor-covering. Nos. 45,116-19; Jan. 6; Gaz. vol. 198; pp. 216-17.
- Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum, oil-cloth, or floor-covering. Nos. 46,210-17; Aug. 4; Gaz. vol. 205; pp. 270-1.
- Humphreys, Harry, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum, oil-cloth, or floor-covering. No. 45,120; Jan. 6; Gaz. vol. 198; p. 217.
- Hunter, George W., Logansport, Ind. Head for door or window casings. No. 46,676; Nov. 24; Gaz. vol. 208; p. 1326.
- Hunter, Wilber E., Morgantown, W. Va. Tumbler, goblet, jug, or similar article. Nos. 45,754-6; May 12; Gaz. vol. 202; p. 604.
- Hussey, Frank H., Beverly, Mass. Sink-guard. No. 46,529; Oct. 13; Gaz. vol. 207; p. 583.
- Hutchins, M. Payson. (See Gravier and Hutchins.)
- Hutton, Bert L., assignor of one-half to A. W. Fett, Chicago, Ill. Photo-frame. No. 45,260; Feb. 17; Gaz. vol. 199; p. 911.
- Hyman, Ernest, Auburn, Me. Hand-bag. No. 46,025; June 30; Gaz. vol. 203; p. 1524.
- I. B. Kleinert Rubber Company. (See Guinzburg, Victor, assignor.)
- Ideal Wheel Company, The. (See Strietelmeier, John E., assignor.)
- Ilse, Frank H., Detroit, Mich. Automobile-curtain. No. 45,423; Mar. 17; Gaz. vol. 200; p. 832.
- Imperial Glass Company. (See Oldham, Charles W., assignor.)
- Imperial Player Roll Company. (See Petit, Gabriel A., assignor.)
- Infantino, Frank D., Roxbury, Mass. Tub and sink combination. No. 45,995; June 23; Gaz. vol. 203; p. 1227.
- Inflexible Co. (See Schwarber, Henry, assignor.)
- Ingells, James, Muskegon, Mich. Table-pedestal. No. 45,876; June 2; Gaz. vol. 203; p. 273.
- International Casket Hardware Co. (See Eginton, Arthur V., assignor.)
- International Silver Co. (See Elliott, John W., assignor.)
- International Silver Co. (See Kintz, Alfred G., assignor.)
- International Silver Co. (See Pretat, Frederick E., assignor.)
- International Silver Co. (See Stohr, Samuel, assignor.)
- International Silver Co. (See Turner, Albert, assignor.)
- International Silver Company. (See Berry, George H., assignor.)
- International Silver Company. (See Lashar, Thomas B., assignor.)
- Interwoven Stocking Company. (See Mettler, John W., assignor.)
- Irvin, Russe J., Indianapolis, Ind. Kitchen-cabinet. No. 46,677; Nov. 24; Gaz. vol. 208; p. 1326.
- Isacke, Clarence E., New York, N. Y. Window-display. No. 45,153; Jan. 13; Gaz. vol. 198; p. 480.
- Isenberger, Jacob N., Lancaster, Pa. Anti-sash-rattler. No. 45,383; Mar. 10; Gaz. vol. 200; p. 553.
- J. B. Wise Inc. (See Bragger, John W., assignor.)
- J. G. Brill Co., The. (See Adams, Walter S., assignor.)
- J. H. Faw. Inc. (See Schottky, Fredrick F., assignor.)
- J. H. Sager Company. (See Sager, James H., assignor.)
- J. H. White Mfg. Co. (See White, John M., assignor.)
- J. H. Williams & Co. (See Martin, Clifford A., assignor.)
- J. H. Williams & Co. (See Trabold, Frank W., assignor.)
- J. L. Sommer Manufacturing Co. (See Harding, Thomas, assignor.)
- J. L. Sommer Manufacturing Co. (See Sommer, John L., assignor.)
- J. L. Sommer Manufacturing Co. (See Sommer and Harding, assignors.)
- Jacobson, Abraham. (See Peters and Jacobson.)
- Jacobus, Nelson L., West Orange, N. J. Bottle-cap remover. No. 46,218; Aug. 4; Gaz. vol. 205; p. 271.
- Jameson, William A., Niagara Falls, N. Y. Handle for spoons, forks, or similar articles. No. 45,717; May 5; Gaz. vol. 202; p. 287.
- Jameson, William A., Niagara Falls, N. Y. Handle for spoons, forks, or similar articles. Nos. 45,877-8; June 2; Gaz. vol. 203; p. 274.
- Janette, John T., Chicago, Ill. Air-pump support and casing. No. 46,095; July 14; Gaz. vol. 204; p. 647.
- Jeavons, William R., Cleveland, Ohio. Stove-window. No. 45,384; Mar. 10; Gaz. vol. 200; p. 553.

Alphabetical list of patentees of designs—Continued.

- Jeavons, William R., Cleveland, Ohio. Stove-base. No. 45,532; Mar. 31; Gaz. vol. 200; p. 1358.
- Jeavons, William R., Cleveland, Ohio. Heater. No. 46,343; Sept. 1; Gaz. vol. 206; p. 286.
- Jelsema, Theodore, and H. Russell, San Francisco, Cal. Souvenir emblematic gate. No. 46,804; Dec. 29; Gaz. vol. 209; p. 1669.
- Jewett, Josiah, Jr., Buffalo, N. Y. Cooking-range. No. 46,052; July 7; Gaz. vol. 204; p. 285.
- Jobson, Frank M., Elizabeth City, N. C. Game-board or puzzle. No. 45,809; May 19; Gaz. vol. 202; p. 922.
- Johnson, Elijah L., Los Angeles, Cal. Butter-tong. No. 45,533; Mar. 31; Gaz. vol. 200; p. 1358.
- Johnson, Ernest J., Stoke-upon-Trent, England. Cover-dish. No. 46,738; Dec. 8; Gaz. vol. 209; p. 656.
- Johnson, Ernest J., Stoke-upon-Trent, England. Cover-dish. No. 46,784; Dec. 15; Gaz. vol. 209; p. 1029.
- Johnson, Joseph W. (See Treiber and Johnson.)
- Johnson, Joseph W., assignor to T. R. Treiber, Kansas City, Mo. Pool-table pocket. No. 46,170; July 28; Gaz. vol. 204; p. 1317.
- Johnson, Lindley L., Greenville, Tex. Change-holding plate. No. 46,128; July 21; Gaz. vol. 204; p. 979.
- Jolly, Benjamin R., Raleigh, N. C. Watch-holder. No. 45,303; Feb. 24; Gaz. vol. 199; p. 1216.
- Jones, Albert E., Maryville, Tenn. Hat-rack. No. 46,678; Nov. 24; Gaz. vol. 208; p. 1326.
- Jones, Charles E., assignor to Metal Arts and Crafts Co., Chicago, Ill. Arm for shower-pans or light-fixtures. No. 45,879; June 2; Gaz. vol. 203; p. 274.
- Jones, Charles E., assignor to Metal Arts and Crafts Co., Chicago, Ill. Anchor-clamp. No. 45,880; June 2; Gaz. vol. 203; p. 274.
- Jones, Charles E., assignor to Metal Arts and Crafts Co., Chicago, Ill. Double-hook clamp. No. 45,881; June 2; Gaz. vol. 203; p. 275.
- Jones, Charles E., assignor to Metal Arts and Crafts Co., Chicago, Ill. Sanitary fixture. No. 45,940; June 16; Gaz. vol. 203; p. 890.
- Jones, Charles E., assignor to Metal Arts & Crafts Co., Chicago, Ill. Hanger for light-reflecting bowls. No. 46,219; Aug. 4; Gaz. vol. 205; p. 271.
- Jones, Charles E., assignor to Metal Arts & Crafts Co., Chicago, Ill. Clamp for light-reflecting bowls. No. 46,220; Aug. 4; Gaz. vol. 205; p. 272.
- Jones, Charles E., assignor to Metal Arts & Crafts Co., Chicago, Ill. Lighting-bracket. No. 46,221; Aug. 4; Gaz. vol. 205; p. 272.
- Jones, Charles E., assignor to Metal Arts & Crafts Co., Chicago, Ill. Arm for chandeliers and bowls. No. 46,471; Sept. 29; Gaz. vol. 206; p. 1416.
- Jones, Charles E., assignor to Metal Arts & Crafts Co., Chicago, Ill. Chandelier and bracket arm. No. 46,472; Sept. 29; Gaz. vol. 206; p. 1416.
- Jones, Charles E., assignor to Metal Arts & Crafts Co., Chicago, Ill. Scroll clamp for light-reflecting bowls. No. 46,473; Sept. 29; Gaz. vol. 206; p. 1416.
- Jones, Charles E., assignor to Metal Arts & Crafts Co., Chicago, Ill. Clamp for light-reflecting bowls. Nos. 46,474-5; Sept. 29; Gaz. vol. 206; p. 1416.
- Jones, Charles E., assignor to Metal Arts & Crafts Co., Chicago, Ill. Arm for chandeliers or light-reflecting bowls. No. 46,476; Sept. 29; Gaz. vol. 206; p. 1417.
- Jones, Charles E., assignor to Metal Arts & Crafts Co., Chicago, Ill. Scroll clamp. No. 46,739; Dec. 8; Gaz. vol. 209; p. 656.
- Jones, Charles E., assignor to Metal Arts & Crafts Co., Chicago, Ill. Clamp for light-reflecting bowls. No. 46,740; Dec. 8; Gaz. vol. 209; p. 656.
- Jones, Charles E., assignor to Metal Arts & Crafts Co., Chicago, Ill. Arm for chandeliers and brackets. No. 46,805; Dec. 29; Gaz. vol. 209; p. 1669.
- Jordan, Kate, New York, N. Y. Image. Nos. 45,534-5; Mar. 31; Gaz. vol. 200; p. 1359.
- Joseph H. Young Co. (See Crawford, James, assignor.)
- Joslyn, Walter B. (See Walton and Joslyn.)
- Justrite Manufacturing Company. (See Hansen, Augie L., assignor.)
- K. & E. Blouse Makers. (See Keller and Oathout, assignors.)
- Kade, Charles F., Plymouth, assignor to C. F. Kade, Jr., Sheboygan, Wis. Desk. No. 46,741; Dec. 8; Gaz. vol. 209; p. 656.
- Kade, Charles F., Jr. (See Kade, Charles F., assignor.)
- Kahnweiler, Sidney B. (See Cantrell and Kahnweiler.)
- Kalamazoo Stove Company. (See Curtienius, Dwight R., assignor.)
- Kalna, Joseph, Benning, Pa. Christmas-tree holder. No. 45,193; Feb. 3; Gaz. vol. 199; p. 269.
- Kapfinger, Caspar, Jr., Kufstein, Austria-Hungary. Curtain-suspender. No. 45,597; Apr. 14; Gaz. vol. 201; p. 537.
- Kappler, Jacob, assignor to Gill & Co., Inc., Philadelphia, Pa. Glass shade, reflector, or similar article. No. 46,742; Dec. 8; Gaz. vol. 209; p. 656.
- Karabatos, Gust, Providence, R. I. Medallion or similar article of jewelry. No. 46,743; Dec. 8; Gaz. vol. 209; p. 657.
- Karfiol, Benzon, New York, N. Y. Paper bell. No. 45,636; Apr. 21; Gaz. vol. 201; p. 866.
- Karg, Ernst, Hoboken, N. J. Doll. No. 46,638; Nov. 10; Gaz. vol. 208; p. 628.
- Karpeles, Maurice J., Providence, R. I. Display-cabinet. Nos. 45,536-7; Mar. 31; Gaz. vol. 200; p. 1359.
- Karpeles, Maurice J., Providence, R. I. Display-cabinet. No. 45,718; May 5; Gaz. vol. 202; p. 287.
- Karpeles, Maurice J., Providence, R. I. Display-cabinet. No. 46,436; Sept. 22; Gaz. vol. 206; p. 1140.
- Kassander, Leopold, assignor to Nathan Manufacturing Company, New York, N. Y. Boiler check-casting. No. 45,941; June 16; Gaz. vol. 203; p. 891.
- Kaufman, Walter C., Decatur, Ind. Combined hip-strap ornament and trace-carrier. No. 46,744; Dec. 8; Gaz. vol. 209; p. 657.
- Kaufman, Charles, Santa Ana, Cal. Electric bracket-lamp. No. 46,569; Oct. 20; Gaz. vol. 207; p. 893.
- Kaufman, Joseph, New York, N. Y. Cigar-cutter. No. 46,053; July 7; Gaz. vol. 204; p. 285.
- Kaufmann, Ary, Newark, N. J. Vanity-case. Nos. 46,344-5; Sept. 1; Gaz. vol. 206; p. 286.
- Kaufmann, Eugene, New York, N. Y. Horn. No. 46,502; Oct. 6; Gaz. vol. 207; p. 268.
- Kearney, George F., Gorham, N. Y. Set of playing-cards. No. 45,670; Apr. 28; Gaz. vol. 201; p. 1184.
- Keichline, Anna W., Bellefonte, Pa. Toy. No. 46,679; Nov. 24; Gaz. vol. 208; p. 1326.
- Keller, Fred C., and C. E. Oathout, assignors to K. & E. Blouse Makers, Cleveland, Ohio. Garment. No. 46,167; July 28; Gaz. vol. 204; p. 1316.
- Keller, Sidney A., Woodmere, N. Y. Metal-worker's stock. No. 46,477; Sept. 29; Gaz. vol. 206; p. 1417.
- Keller, Sidney A., New York, N. Y., assignor to Wightman and Hough Company, Providence, R. I. Locket. No. 45,231; Feb. 10; Gaz. vol. 199; p. 576.
- Kemp, Irving S., Oak Park, Ill. Nail-set. No. 46,716; Dec. 1; Gaz. vol. 209; p. 310.
- Kennebunk Manufacturing Company. (See Lougee, William S., assignor.)
- Kennedy, Howard L., Fort Wayne, Ind. Traveler's grip or bag. No. 46,312; Aug. 25; Gaz. vol. 205; p. 1293.
- Kennedy, James E., Washington, D. C. Grate. No. 46,530; Oct. 13; Gaz. vol. 207; p. 584.
- Kessler, William H., Jamestown, Ind. Automobile-tire. No. 46,772; Dec. 15; Gaz. vol. 209; p. 1027.
- Kettler, Martin F., Houston, Tex., assignor to Downing Pneumatic Wheel Company. Automobile wheel-rim. No. 45,810; May 19; Gaz. vol. 202; p. 922.
- Kidwell, James A., Dayton, Ohio. Trading-check. No. 45,559; Apr. 7; Gaz. vol. 201; p. 240.
- Kief, Martin, Hondale, N. Mex. Towel-holder. No. 46,096; July 14; Gaz. vol. 204; p. 648.
- Kiefer, Raymond A., Ramsey, N. J. Receptacle for gas-vaporizers. No. 46,402; Sept. 15; Gaz. vol. 206; p. 848.
- Kieffer, Eugene T., Philadelphia, Pa., assignor to Victor Talking Machine Company. Cabinet for talking-machines. No. 45,719; May 5; Gaz. vol. 202; p. 287.
- Kieffer, Eugene T., Philadelphia, Pa., assignor to Victor Talking Machine Company. Cabinet for talking-machines. No. 45,942; June 16; Gaz. vol. 203; p. 891.
- Kienzle, Erich, New York, N. Y. Clock-casing. No. 46,129; July 21; Gaz. vol. 204; p. 980.
- Kiernan, George, Philadelphia, Pa. Darning-last. No. 45,996; June 23; Gaz. vol. 203; p. 1228.
- Kimball, Arthur G., assignor to Landers, Frary & Clark, New Britain, Conn. Hot-water bottle. No. 45,720; May 5; Gaz. vol. 202; p. 287.
- Kimes, Hugh W., assignor to The Vaile-Kimes Company, Dayton, Ohio. Power-pump casing. No. 46,222; Aug. 4; Gaz. vol. 205; p. 272.
- King, Frederick W., Cleveland, Ohio. Spectacles. No. 45,424; Mar. 17; Gaz. vol. 200; p. 833.
- King, Peter W. N., Fort Myers, Fla. Toy float. No. 46,680; Nov. 24; Gaz. vol. 208; p. 1327.
- Kinghorne, Joseph W., Burkeville, Va., assignor to American Tobacco Company, New York, N. Y. Pocket-pouch. No. 45,341; Mar. 3; Gaz. vol. 200; p. 247.
- Kintz, Alfred G., Wallingford, assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 45,637; Apr. 21; Gaz. vol. 201; p. 866.
- Kirby, James B., Cleveland, Ohio. Casing for pneumatic cleaners. No. 45,882; June 2; Gaz. vol. 203; p. 275.
- Kirby, John, Jr., assignor to The Dayton Manufacturing Company, Dayton, Ohio. Pendent lamp-fixture. No. 45,462; Mar. 24; Gaz. vol. 200; p. 1084.
- Kirby, John, Jr., assignor to The Dayton Manufacturing Company, Dayton, Ohio. Hanging lamp-fixture. No. 45,463; Mar. 24; Gaz. vol. 200; p. 1084.
- Kirby, John, Jr., assignor to The Dayton Manufacturing Company, Dayton, Ohio. Deck-lamp fixture. No. 45,464; Mar. 24; Gaz. vol. 200; p. 1084.
- Kirby, John, Jr., assignor to The Dayton Manufacturing Company, Dayton, Ohio. Electric-lamp fixture. No. 45,465; Mar. 24; Gaz. vol. 200; p. 1084.
- Kirkman, Thomas W., assignor to Standard Gramophone Appliance Company, New York, N. Y. Brush for talking-machine records. No. 45,883; June 2; Gaz. vol. 203; p. 275.
- Kirkwood, Manford. (See Kirkwood, Robert and M.)
- Kirkwood, Robert and M., Frankfort, Ind. Heater. No. 45,757; May 12; Gaz. vol. 202; p. 604.

Alphabetical list of patentees of designs—Continued.

- Kirschbraun, Hyman, San Francisco, Cal. Pincushion. No. 46,168; July 28; Gaz. vol. 204; p. 1317.
- Klein, Adolph S., Cleveland, Ohio. Display-case. No. 45,342; Mar. 3; Gaz. vol. 200; p. 247.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Casing for pendent electric switches. No. 46,130; July 21; Gaz. vol. 204; p. 980.
- Klein, John B., Kansas City, Kans. Sign and show-case. No. 45,811; May 19; Gaz. vol. 202; p. 922.
- Klein, John V., Battle Creek, Nebr. Toy. No. 46,080; July 7; Gaz. vol. 204; p. 290.
- Klemm, Charles W., Bloomington, Ill., and E. W. Stifel, Wheeling, W. Va. Fabric. No. 46,639; Nov. 10; Gaz. vol. 208; p. 628.
- Klemm, Edwin O., Saginaw, Mich., assignor of one-half to E. W. Schreiber, Yuma, Ariz. Stool. No. 46,054; July 7; Gaz. vol. 204; p. 285.
- Kline, Robert, assignor to The B-O-C. Mfg. Co., Cleveland, Ohio. Savings-bank. No. 46,531; Oct. 13; Gaz. vol. 207; p. 584.
- Knapp, Theron L. (See Harting and Knapp.)
- Koch, Adolph H., Los Angeles, Cal. Gas-heater. No. 46,478; Sept. 29; Gaz. vol. 206; p. 1417.
- Koch, Augustus J., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate. No. 45,194; Feb. 3; Gaz. vol. 199; p. 270.
- Koch, Augustus J., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate. No. 45,638; Apr. 21; Gaz. vol. 201; p. 866.
- Koehler, Ernest F., Marlboro, Mass. Bonnet for miners' safety-lamps. No. 46,403; Sept. 15; Gaz. vol. 206; p. 848.
- Kohn, Edward A., New York, N. Y. Bottle. No. 46,640; Nov. 10; Gaz. vol. 208; p. 628.
- Kokomo Rubber Company. (See Neary, John, assignor.)
- Kopp, Nicholas, and R. E. Ewing, assignors to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Light-shade. No. 46,253; Aug. 11; Gaz. vol. 205; p. 627.
- Kordick, Frank, assignor to Regal Musical Instrument Co., Chicago, Ill. Musical instrument. No. 46,366; Sept. 8; Gaz. vol. 206; p. 561.
- Korzinek, William C., Weehawken Heights, N. J., assignor to Pacific Mills, Boston, Mass. Printed textile fabric. Nos. 45,385-7; Mar. 10; Gaz. vol. 200; pp. 553-4.
- Kostenbader, Charles W. H., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Border for lace edging. No. 45,884; June 2; Gaz. vol. 203; p. 275.
- Kraeuter, Arthur A., South Orange, N. J. Member of a pair of pliers, cutters, and similar articles. No. 46,681; Nov. 24; Gaz. vol. 208; p. 1327.
- Kraeuter, Arthur A., South Orange, N. J. Handle for pliers or similar articles. No. 46,682; Nov. 24; Gaz. vol. 208; p. 1327.
- Krall, Emil, assignor to Corona Cut Glass Company, Toledo, Ohio. Drinking-glass or tumbler. No. 46,806; Dec. 29; Gaz. vol. 209; p. 1669.
- Kram, Harry, New York, N. Y. Silk, fabric, or leather. Nos. 46,026-9; June 30; Gaz. vol. 203; p. 1524-5.
- Krause, John, San Francisco, Cal. Pin. No. 46,532; Oct. 13; Gaz. vol. 207; p. 584.
- Kraushaar, George J., Cleveland, Ohio. Baker's peel. No. 46,313; Aug. 25; Gaz. vol. 205; p. 1293.
- Krauss, Adolf, Cannstatt, assignor to Firm of R. Bosch, Stuttgart, Germany. Cam-ring for mechanical interrupters in electrical ignition systems. No. 46,503; Oct. 6; Gaz. vol. 207; p. 268.
- Krementz & Co. (See Underwood, Earl, assignor.)
- Kroder and Henry Reubel Co., John. (See Timke, Frederick H., assignor.)
- Kuhlke, Martin D., Akron, Ohio. Vehicle wheel-tire. Nos. 46,282-4; Aug. 18; Gaz. vol. 205; p. 981.
- Kuhn, Frank, Detroit, Mich. Toaster. No. 45,388; Mar. 10; Gaz. vol. 200; p. 554.
- Kuhn, Frank, Detroit, Mich. Sad-iron. No. 45,671; Apr. 28; Gaz. vol. 201; p. 1184.
- Kuhn, Frank, assignor to American Electrical Heater Company, Detroit, Mich. Curling-iron heater. No. 46,504; Oct. 6; Gaz. vol. 207; p. 268.
- Kull, Alfred J., Far Hills, N. J. Paper-weight. No. 45,425; Mar. 17; Gaz. vol. 200; p. 833.
- Kunze, Charles, Los Angeles, Cal. Medal. No. 46,254; Aug. 11; Gaz. vol. 205; p. 628.
- Kuopf, Andrew J., Maywood, Ill. Plate. No. 46,169; July 28; Gaz. vol. 204; p. 1317.
- Kyle, Cora I., Altamont, Ill. Recitation-board. No. 46,745; Dec. 8; Gaz. vol. 209; p. 657.
- La Jeunesse, Frederick A., Milwaukee, Wis. Tray. No. 46,773; Dec. 15; Gaz. vol. 209; p. 1027.
- Lacouture, Henry C., Arlington, N. J., assignor to Bigelow Carpet Company. Carpet. No. 45,466; Mar. 24; Gaz. vol. 200; p. 1084.
- Ladson, Thomas A., Tampa, Fla. Spoon. No. 45,812; May 19; Gaz. vol. 202; p. 922.
- Lahiere, Eugene A., Washington, D. C. Toy. No. 46,256; Aug. 11; Gaz. vol. 205; p. 628.
- Lamont, James D., Detroit, Mich. Electric heater. No. 45,232; Feb. 10; Gaz. vol. 199; p. 576.
- Lampe, John H., Pocahontas, Iowa. Harness-rack. No. 45,639; Apr. 21; Gaz. vol. 201; p. 866.
- Landahl, Frederick A., Jersey City Heights, N. J. Revolving spool-holder and pincushion. No. 46,807; Dec. 29; Gaz. vol. 209; p. 1669.
- Landauer, Charles W., Grand Rapids, Mich. Base for spring-latch devices. No. 46,570; Oct. 20; Gaz. vol. 207; p. 893.
- Landers, Frary & Clark. (See Curtiss, George E., assignor.)
- Landers, Frary & Clark. (See Kimball, Arthur G., assignor.)
- Landers, Frary & Clark. (See Smith, Charles F., assignor.)
- Landers, Frary & Clark. (See Warner, Alonzo A., assignor.)
- Landers, Gilbert A., Los Angeles, Cal. Display-rack. No. 45,839; May 26; Gaz. vol. 202; p. 1232.
- Lane, Walter, Holland, Mich., assignor to Bush & Lane Piano Co., Chicago, Ill. Piano-case. No. 46,808; Dec. 29; Gaz. vol. 209; p. 1669.
- Langstaff, John E., New York, N. Y. Boat-hull. No. 45,389; Mar. 10; Gaz. vol. 200; p. 554.
- Lanphear, Ozro C., Galesburg, Ill. Pin, brooch, or similar article of jewelry. No. 46,171; July 28; Gaz. vol. 204; p. 1317.
- Large, Samuel J., assignor to The American Silver Company, Bristol, Conn. Handle for spoons, forks, and similar articles. No. 45,885; June 2; Gaz. vol. 203; p. 275.
- Large, William L., Brooklyn, N. Y., assignor to The Owen China Co., Minerva, Ohio. Plate or similar article. Nos. 46,172-4; July 28; Gaz. vol. 204; pp. 1317-18.
- Larson, Edward A., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Temperature-indicator. Nos. 45,560-2; Apr. 7; Gaz. vol. 201; pp. 240-1.
- Lascoff, Jacob L., New York, N. Y. Ampule. No. 45,426; Mar. 17; Gaz. vol. 200; p. 833.
- Lashar, Thomas B., Bridgeport, assignor to International Silver Company, Meriden, Conn. Fork, spoon, or similar article. No. 45,195; Feb. 3; Gaz. vol. 199; p. 270.
- Lashar, Thomas B., Bridgeport, assignor to International Silver Company, Meriden, Conn. Handle for spoons, forks, or similar articles. No. 46,255; Aug. 11; Gaz. vol. 205; p. 628.
- Lavenson, Jay, Philadelphia, Pa. Tooth-brush. No. 46,650; Nov. 17; Gaz. vol. 208; p. 954.
- Law, Frank W., assignor to Maumee Manufacturing Company, Pittsburgh, Pa. Acetylene-lamp. No. 45,758; May 12; Gaz. vol. 202; p. 604.
- Lawson, Stanley M., Cincinnati, Ohio. Socket-foot for furniture-legs. No. 45,196; Feb. 3; Gaz. vol. 199; p. 270.
- Layton, William P., assignor to Garrett Go-Cart & Carriage Company, Chicago, Ill. Body and hood of children's carriages. No. 46,389; Sept. 8; Gaz. vol. 206; p. 566.
- Lazarus & Rosenfeld. (See Gutmann, Charles H., assignor.)
- Lebowich, Louis A., Boston, Mass. File-container or book-cover. No. 45,672; Apr. 28; Gaz. vol. 201; p. 1184.
- Lechner, Arthur O., Pittsburgh, Pa. Piano-back. No. 45,563; Apr. 7; Gaz. vol. 201; p. 241.
- Lederman, Hugo, New York, N. Y. Statuette. No. 46,505; Oct. 6; Gaz. vol. 207; p. 268.
- Lee Broom & Duster Company. (See Beebe, Norman H., assignor.)
- Lee, George E., assignor to The George E. Lee Company, Cleveland, Ohio. Melting-cup. No. 45,840; May 26; Gaz. vol. 202; p. 1233.
- Lee, John E., Conshohocken, Pa. Tire. No. 46,506; Oct. 6; Gaz. vol. 207; p. 269.
- Lee, Jonathan, Ottumwa, Iowa. Burial-couch. No. 45,564; Apr. 7; Gaz. vol. 201; p. 241.
- Lee, William R., Rochester, N. Y. Brush. No. 45,721; May 5; Gaz. vol. 202; p. 288.
- Leetonia Tool Company, The. (See Holt and Rauch, assignors.)
- Lehmann, Edwin, Peoria, Ill. Bottle. No. 46,683; Nov. 24; Gaz. vol. 208; p. 1327.
- Leilich, Henry L. (See Warnick and Leilich.)
- Lemon, James F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Padlock. No. 45,813; May 19; Gaz. vol. 202; p. 923.
- Lenahan, Daniel. (See Reynolds and Lenahan.)
- Leonard, William A., Riverside, Ill. Spool-cabinet. No. 45,886; June 2; Gaz. vol. 203; p. 276.
- Less, Louis L. (See Sweet, Ervin V., assignor.)
- Lessig, Alfred, Brooklyn, N. Y. Advertising novelty. No. 45,233; Feb. 10; Gaz. vol. 199; p. 577.
- Letkemann, Hermann V., New York, N. Y. Stick-pin. No. 46,684; Nov. 24; Gaz. vol. 208; p. 1327.
- Letkemann, Hermann V., New York, N. Y. Ring or brooch. No. 46,685; Nov. 24; Gaz. vol. 208; p. 1327.
- Levy, Louis S., New York, N. Y. Letter-head. No. 45,640; Apr. 21; Gaz. vol. 201; p. 866.
- Levy, Louis W., New York, N. Y. Newspaper-holder. No. 46,314; Aug. 25; Gaz. vol. 205; p. 1293.
- Lewis-Index Co. (See Lewis, Samuel W., assignor.)
- Lewis, Samuel W., assignor to Lewis-Index Co., Brooklyn, N. Y. Valve-body. No. 45,841; May 26; Gaz. vol. 202; p. 1233.

Alphabetical list of patentees of designs—Continued.

- Lewis, Theodore G., assignor to Buffalo Dental Manufacturing Company, Buffalo, N. Y. Dental molding-flask. No. 45,842; May 26; Gaz. vol. 202; p. 1233.
- Liebethal, Sylvester, Cleveland, Ohio. Bottle. No. 45,997; June 23; Gaz. vol. 203; p. 1228.
- Lies, William, assignor to Greenpoint Metallic Bed Company, Brooklyn, N. Y. Corner-post for metal bedsteads. No. 46,257; Aug. 11; Gaz. vol. 205; p. 628.
- Lindquist, Eric A., assignor to W. & B. Douglas, Middletown, Conn. Pump-housing. No. 46,774; Dec. 15; Gaz. vol. 209; p. 1027.
- Lindsey, Charles, Waynesboro, Miss. Combination-tool. No. 46,507; Oct. 6; Gaz. vol. 207; p. 269.
- Lipper Manufacturing Company. (See Hartenstein, Jacob A., assignor.)
- Lippincott, Fisher H., Cynwyd, assignor to A. H. & F. H. Lippincott, Inc., Philadelphia, Pa. Pump. No. 46,479; Sept. 29; Gaz. vol. 206; p. 1417.
- Lissfelt, Harry L., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Lamp-shade. No. 45,641; Apr. 21; Gaz. vol. 201; p. 867.
- Litchfield, Amos L., Toledo, Ohio. Weather-vane. No. 46,641; Nov. 10; Gaz. vol. 208; p. 628.
- Lively, Louis P., Dallas, Tex. Burner. No. 46,480; Sept. 29; Gaz. vol. 206; p. 1417.
- Lloyd, George, assignor to B. and A. Heller, Chicago, Ill. Bottle. No. 45,565; Apr. 7; Gaz. vol. 201; p. 241.
- Lockhart, Walter R., Hotchkiss, Colo. Game-board. No. 46,437; Sept. 22; Gaz. vol. 206; p. 1140.
- Lockwood, Bruce E. (See Singleton, Harry E., assignor.)
- Lockwood, James E., Peoria, Ill. Gas and vapor burner. No. 45,390; Mar. 10; Gaz. vol. 200; p. 554.
- Locomobile Company of America, The. (See Burdick, John S., assignor.)
- Locomotive Superheater Company. (See True, Charles H., assignor.)
- London, Louis B., New York, N. Y. Inverted-gas-burner crown. No. 45,427; Mar. 17; Gaz. vol. 200; p. 833.
- Longobardi, Catello, Schenectady, N. Y. Musical instrument. No. 45,566; Apr. 7; Gaz. vol. 201; p. 241.
- Longshaw, Arthur E., Salt Lake City, Utah. Plaque. No. 45,343; Mar. 3; Gaz. vol. 200; p. 247.
- Lonn, Edward J., Laporte, Ind. Bicycle-frame. No. 45,304; Feb. 24; Gaz. vol. 199; p. 1216.
- Lonn, Edward J., assignor to Great Western Manufacturing Co., Laporte, Ind. Bicycle-frame. No. 45,170; Jan. 20; Gaz. vol. 198; p. 677.
- Lougee, William S., Rochester, N. H., assignor to Kennebunk Manufacturing Company, Kennebunk, Me. Megaphone. No. 46,404; Sept. 15; Gaz. vol. 206; p. 848.
- Low, Juliette, London, England. Badge. No. 45,234; Feb. 10; Gaz. vol. 199; p. 577.
- Lowery, Theodore J., Washington, D. C. Bar-pin or similar article. No. 45,998; June 23; Gaz. vol. 203; p. 1228.
- Lowy, Adolph, New York, N. Y. Fastener member for suitcases. No. 45,814; May 19; Gaz. vol. 202; p. 923.
- Lunde, Albert J., San Francisco, Cal. Article of manufacture. No. 46,746; Dec. 8; Gaz. vol. 209; p. 657.
- Lunkenheimer Company, The. (See Aull, Jerome J., assignor.)
- Lusk, Roy A., New York, N. Y. Mustard-bottle. No. 46,131; July 21; Gaz. vol. 204; p. 980.
- Lyons, Louis, Providence, R. I. Ring, pin, or similar article of jewelry. Nos. 45,261-2; Feb. 17; Gaz. vol. 199; p. 911.
- Lyons, Louis, Providence, R. I. Ring, pin, or similar article of jewelry. No. 46,030; June 30; Gaz. vol. 203; p. 1225.
- Lyons, Louis, Providence, R. I. Ring, pin, button, or similar article of jewelry. No. 46,599; Oct. 27; Gaz. vol. 207; p. 1217.
- M. Rumely Company. (See Harrison, James R., assignor.)
- M. Tecla & Company. (See Goldsoll, Frank J., assignor.)
- Mac-It-Parts Company. (See Warren, Henry E., assignor.)
- MacLaren, Joseph W., New York, N. Y., and E. Speck, Passaic, N. J. Ribbon, and particularly for brocaded woven ribbon. No. 46,175; July 28; Gaz. vol. 204; p. 1318.
- MacLennan, Frank P., Topeka, Kans. Newspaper-dispensing device. No. 46,405; Sept. 15; Gaz. vol. 206; p. 848.
- Macbeth-Evans Glass Company. (See Evans, Howard S., assignor.)
- Macbeth-Evans Glass Company. (See Hawe, William F. M., assignor.)
- Macbeth-Evans Glass Company. (See Lissfelt, Harry L., assignor.)
- Macbeth-Evans Glass Company. (See Snell, John A., assignor.)
- Mackenzie, Thomas, assignor to Dailuaine Talisker Distilleries, Limited, Glasgow, Scotland. Glass bottle. No. 46,285; Aug. 18; Gaz. vol. 205; p. 982.
- Macomber, Theodore M., Binghamton, N. Y. Vehicle-runner. No. 46,031; June 30; Gaz. vol. 203; p. 1525.
- Maddock Pottery Company. (See May, Charles A., assignor.)
- Madeleine, Emile, Flatbush, N. Y., assignor to Pacific Mills, Boston, Mass. Printed textile fabric. No. 45,391; Mar. 10; Gaz. vol. 200; p. 554.
- Maher, Joseph D. (See Mattocks and Maher.)
- Maher, Ross F., St. Paul, Minn. Billiard-cue rack. No. 46,600; Oct. 27; Gaz. vol. 207; p. 1217.
- Mainor, Charles O., Owensboro, Ky. Buggy-seat. No. 45,428; Mar. 17; Gaz. vol. 200; p. 833.
- Makris, Peter, Litchfield, Minn. Box. No. 45,999; June 23; Gaz. vol. 203; p. 1228.
- Mallinson, Hiram R., New York, N. Y. Textile fabric. No. 46,176; July 28; Gaz. vol. 204; p. 1318.
- Mallory, Frederick B., Portland, Oreg. Cross-head for blocks. No. 45,911; June 9; Gaz. vol. 203; p. 576.
- Manderville, Henry L. (See Simpson and Manderville.)
- Mangene, Charles S., Boston, Mass. Tile or paving block. No. 46,286; Aug. 18; Gaz. vol. 205; p. 982.
- Mann, Ira A., Pittsburgh, Pa. Bowl-base for lavatories. No. 46,438; Sept. 22; Gaz. vol. 206; p. 1141.
- Manning, Bowman & Company. (See Farr, Edward A., assignor.)
- Manstfield, James R., Alexandria, Va. Badge, pin, or fraternal emblem. No. 45,598; Apr. 14; Gaz. vol. 201; p. 537.
- Manson, Ray H., assignor to The Dean Electric Company, Elyria, Ohio. Motor-cycle horn. No. 45,344; Mar. 3; Gaz. vol. 200; p. 247.
- Manson, Ray H., assignor to The Dean Electric Company, Elyria, Ohio. Motor-cycle horn. Nos. 45,363-4; Mar. 3; Gaz. vol. 200; p. 251.
- Manzel Brothers Company. (See Manzel, Charles W., assignor.)
- Manzel, Charles W., assignor to Manzel Brothers Company, Buffalo, N. Y. Tire-pump. No. 45,943; June 16; Gaz. vol. 203; p. 891.
- Marcus, Jacob, Boston, Mass. Alarm or drum-shaped clock housing stand. No. 46,346; Sept. 1; Gaz. vol. 206; p. 287.
- Marion, Alexander G., River Rouge, Mich. Pocket-tool. No. 45,815; May 19; Gaz. vol. 202; p. 923.
- Marsden, John E., Sedgwick, Pa. Article of manufacture. Nos. 46,258-9; Aug. 11; Gaz. vol. 205; pp. 628-9.
- Marshall, Robert J., assignor to The Morgan and Marshall Rubber and Tire Co., East Liverpool, Ohio. Vehicle-tire. No. 46,439; Sept. 22; Gaz. vol. 206; p. 1141.
- Marston, Shirley, Brookline, assignor to R. Marston Company, Boston, Mass. Plate, saucer, or similar article. No. 45,759; May 12; Gaz. vol. 202; p. 605.
- Martens, John B., Cleveland, Ohio. Die-holder. No. 46,056; July 7; Gaz. vol. 204; p. 285.
- Martin, Christian H., Akron, Ohio. Piano-bench. No. 45,912; June 9; Gaz. vol. 203; p. 576.
- Martin, Clifford A., New York, assignor to J. H. Williams & Co., Brooklyn, N. Y. Spanner-wrench. No. 46,260; Aug. 11; Gaz. vol. 205; p. 629.
- Martin, James, New York, N. Y. Vehicle-tire. No. 46,775; Dec. 15; Gaz. vol. 209; p. 1027.
- Matthai, William H., assignor to National Enameling and Stamping Company, Baltimore, Md. Poultry-coop. No. 45,392; Mar. 10; Gaz. vol. 200; p. 554.
- Mattocks, Raymond L., Montclair, and J. D. Maher, Newark, N. J. Glass panel. No. 45,837; June 2; Gaz. vol. 203; p. 276.
- Maul, Otto E., Mount Vernon, N. Y. Material for appliqué work. No. 46,000; June 23; Gaz. vol. 203; p. 1228.
- Maumee Manufacturing Company. (See Law, Frank W., assignor.)
- May, Charles A., assignor to Maddock Pottery Company, Trenton, N. J. Plate or similar article. No. 46,809; Dec. 29; Gaz. vol. 209; p. 1670.
- Mayer, Lorraine, New York, N. Y. Lace. No. 45,913; June 9; Gaz. vol. 203; p. 576.
- Mayfair, Inc. (See Murphy, Sarah L., assignor.)
- Maynard, Joseph A., Boston, Mass. Bath-trap. No. 46,789; Dec. 22; Gaz. vol. 209; p. 1288.
- McAboy, Mary, Missoula, Mont. Doll or toy figure. Nos. 45,263-4; Feb. 17; Gaz. vol. 199; pp. 911-12.
- McAdams, Thomas J., Marion, Ill. Envelope opener and seal. No. 45,599; Apr. 14; Gaz. vol. 201; p. 537.
- McArthur, Warren and W., Jr., Chicago, Ill. Tubular lantern. No. 45,265; Feb. 17; Gaz. vol. 199; p. 912.
- McArthur, Warren, Jr., Chicago, Ill. Tubular-lantern frame. No. 45,266; Feb. 17; Gaz. vol. 199; p. 912.
- McCann, Charles A., New York, N. Y. Paper-weight or similar article. No. 45,197; Feb. 3; Gaz. vol. 199; p. 270.
- McCaskey Register Company, The. (See Hick, Harry J., assignor.)
- McChesney, William W., New York, assignor to W. H. Randall, Huntington, N. Y. Crochet-cotton holder. No. 45,914; June 9; Gaz. vol. 203; p. 577.
- McClernan, James. (See McClernan, Louis F. and J.)
- McClernan, Louis F. and J., Chicago, Ill. Sheet-metal kitchen-cabinet. No. 45,235; Feb. 10; Gaz. vol. 199; p. 577.
- McClurg, John S., assignor to The Pharis Tire & Rubber Company, Newark, Ohio. Rubber tire. No. 46,367; Sept. 8; Gaz. vol. 206; p. 362.
- McCray Refrigerator Company. (See Ullin, Charles O., assignor.)
- McDonagh, Andrew J., and A. E. Webster, assignors to Canadian Oral Prophylactic Association, Limited, Toronto, Ontario, Canada. Tooth-brush. Nos. 45,198-9; Feb. 3; Gaz. vol. 199; pp. 270-1.
- McDonald, Alexander, Duluth, Minn. Display-stand. No. 45,692; Apr. 28; Gaz. vol. 201; p. 1188.

Alphabetical list of patentees of designs—Continued.

- McDougal, Thomas W., assignor to Armour & Company, Chicago, Ill. Cake of soap. No. 46,508; Oct. 6; Gaz. vol. 207; p. 269.
- McKee, Raymond E., Chicago, Ill. Coin-holder. No. 45,944; June 16; Gaz. vol. 203; p. 891.
- McKee, Raymond E., Chicago, Ill. Broom-holder. No. 46,057; July 7; Gaz. vol. 204; p. 286.
- McKee, Raymond E., Chicago, Ill. Rope-clamp. No. 46,287; Aug. 18; Gaz. vol. 205; p. 982.
- McKenna, Thomas R., East Palestine, Ohio. Tire-casing. No. 46,481; Sept. 29; Gaz. vol. 206; p. 1418.
- McLain, Robert M., Huntsville, Ala. Steering-wheel. No. 46,441; Sept. 22; Gaz. vol. 206; p. 1141.
- McMahan, William W. (See Nichols and McMahan.)
- McNally, William A. (See Caswell, Frederick K., assignor.)
- McNary, Lillian, Salem, Oreg. Badge. No. 45,538; Mar. 31; Gaz. vol. 200; p. 1359.
- McNulty, Harry B., Cleveland, Ohio. Cabinet for talking-machines. No. 45,467; Mar. 24; Gaz. vol. 200; p. 1084.
- McRae, Arthur A., Attleboro, Mass. Pin, brooch, emblem, or similar article. No. 46,651; Nov. 17; Gaz. vol. 208; p. 955.
- Mead, Clara L., Rahway, N. J., assignor to Dennison Manufacturing Company, Boston, Mass. Paper sheet or similar article. No. 45,429; Mar. 17; Gaz. vol. 200; p. 833.
- Mead, Clara L., Rahway, N. J., assignor to Dennison Manufacturing Company, Boston, Mass. Paper sheet or similar article. Nos. 46,177-9; July 28; Gaz. vol. 204; pp. 1318-19.
- Megraw, George E., Oakland, Cal. Watch-chain. No. 45,121; Jan. 6; Gaz. vol. 198; p. 217.
- Megraw, George E., Oakland, Cal. Badge or similar article. No. 46,440; Sept. 22; Gaz. vol. 206; p. 1141.
- Meguar, Charles W., Sonora, Ky. Necktie-clasp. No. 46,001; June 23; Gaz. vol. 203; p. 1228.
- Meilicke, Carl A., Chicago, Ill. Calculating-machine casing. No. 46,261; Aug. 11; Gaz. vol. 205; p. 629.
- Meinecke, Christian W., Jersey City, N. J., assignor to Meinecke & Company, New York, N. Y. Water-cushion. No. 45,122; Jan. 6; Gaz. vol. 198; p. 218.
- Meinecke, Christian W., Jersey City, N. J., assignor to Meinecke & Company, New York, N. Y. Irrigator-reservoir. No. 45,567; Apr. 7; Gaz. vol. 201; p. 242.
- Meinecke, Christian W., Jersey City, N. J., assignor to Meinecke & Company, New York, N. Y. Surgical basin. No. 46,262; Aug. 11; Gaz. vol. 205; p. 629.
- Meinecke & Company. (See Meinecke, Christian W., assignor.)
- Melba Manufacturing Company. (See Miles, Francis J. M., assignor.)
- Melick, Charles S. (See Colgan, Seth P., assignor.)
- Merritt, Arthur A., Worcester, Mass., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Sewing-machine frame. No. 45,345; Mar. 3; Gaz. vol. 200; p. 247.
- Merritt, Edwin A., New York, N. Y., assignor to The Diamond Match Company, Chicago, Ill. Holder for book or card matches and the like. No. 46,055; July 7; Gaz. vol. 204; p. 285.
- Merritt, James M., Los Angeles, Cal. Stove-top. No. 45,945; June 16; Gaz. vol. 203; p. 891.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 45,305; Feb. 24; Gaz. vol. 199; p. 1216.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 45,468; Mar. 24; Gaz. vol. 200; p. 1085.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 45,469; Mar. 24; Gaz. vol. 200; p. 1085.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 45,470-1; Mar. 24; Gaz. vol. 200; p. 1085.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 45,472; Mar. 24; Gaz. vol. 200; p. 1085.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 45,473-81; Mar. 24; Gaz. vol. 200; pp. 1086-7.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 45,642-3; Apr. 21; Gaz. vol. 201; p. 867.
- Mersereau Metal Bed Company. (See Bolte, Charles, assignor.)
- Merz, Anton, Chicago, Ill. Percolator. No. 46,776; Dec. 15; Gaz. vol. 209; p. 1028.
- Metal Arts and Crafts Co. (See Jones, Charles E., assignor.)
- Metal Package Company. (See Bruns, Alfred E., assignor.)
- Metal Stampings Corporation. (See Philips, William E., assignor.)
- Mettler, John W., East Millstone, assignor to Interwoven Stocking Company, New Brunswick, N. J. Hosiery-ticket. No. 46,315; Aug. 25; Gaz. vol. 205; p. 1293.
- Metzger, Emil F., Peoria, Ill. Basin. No. 46,533; Oct. 13; Gaz. vol. 207; p. 584.
- Meyer, John F., New York, N. Y. Bottle. No. 45,346; Mar. 3; Gaz. vol. 200; p. 247.
- Meyer, Mimi M., Oakland, Cal. Bed-pan. No. 45,946; June 16; Gaz. vol. 203; p. 892.
- Meyers, George W., assignor of one-half to E. W. Rinder, Chicago, Ill. Indirect-lighting fixture. No. 45,539; Mar. 31; Gaz. vol. 200; p. 1359.
- Mianus Manufacturing Company. (See Springer, Fred A., assignor.)
- Michaelis, William A. E., Seattle, Wash. Violin-bridge. No. 45,600; Apr. 14; Gaz. vol. 201; p. 537.
- Michaut, Adrian. (See Gredelue, Adrien, assignor.)
- Michelin, André J., Paris, France. Automobile-tool. No. 45,644; Apr. 21; Gaz. vol. 201; p. 867.
- Michtom, Morris, New York, N. Y. Doll. No. 46,747; Dec. 8; Gaz. vol. 209; p. 657.
- Micuch, Stefan, Hyde Park, Pa. Picture-frame. No. 46,601; Oct. 27; Gaz. vol. 207; p. 1217.
- Milburn, Sidney R., Weehawken, N. J. Watch-holder. No. 45,393; Mar. 10; Gaz. vol. 200; p. 555.
- Miles, Francis J. M., assignor to Melba Manufacturing Company, Chicago, Ill. Bottle. No. 45,673; Apr. 28; Gaz. vol. 201; p. 1184.
- Miller, Arthur K., Peekskill, N. Y. Automobile lamp-globe. No. 46,097; July 14; Gaz. vol. 204; p. 648.
- Miller, James W., Johnson City, Tenn. Joint-raker. No. 46,406; Sept. 15; Gaz. vol. 206; p. 849.
- Miller, John M., Providence, R. I. Finger-ring, bracelet, breastpin, or similar article of jewelry. Nos. 46,534-6; Oct. 13; Gaz. vol. 207; p. 584.
- Miller Lock Co. (See Soley, Frank, assignor.)
- Miller, Richard, New Berlin, Ohio. Rebound-check. No. 45,568; Apr. 7; Gaz. vol. 201; p. 242.
- Miller, Richard, New Berlin, Ohio. Web-buckle. No. 45,760; May 12; Gaz. vol. 202; p. 605.
- Miller Rubber Company, The. (See Brucker, Ferdinand F., assignor.)
- Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Syringe-bag. No. 46,790; Dec. 22; Gaz. vol. 209; p. 1289.
- Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Water-bottle. No. 46,791; Dec. 22; Gaz. vol. 209; p. 1289.
- Miller, William J., El Paso, Tex. Combination-tool. No. 45,761; May 12; Gaz. vol. 202; p. 605.
- Minier, George H., South Pasadena, Cal. Gas-heater casing. No. 45,947; June 16; Gaz. vol. 203; p. 892.
- Minshall, Charles H., London, England. Golf putting device. No. 45,306; Feb. 24; Gaz. vol. 199; p. 1216.
- Mix, Henry D., Providence, R. I., assignor to Wightman and Hough Company. Locket. No. 45,267; Feb. 17; Gaz. vol. 199; p. 912.
- Mix, Henry D., assignor to Wightman & Hough, Providence, R. I. Locket. No. 45,394; Mar. 10; Gaz. vol. 200; p. 555.
- Mix, Henry D., assignor to Wightman & Hough Co., Providence, R. I. Pendant. No. 46,571; Oct. 20; Gaz. vol. 207; p. 893.
- Moberg, Oscar, New Britain, Conn. Display-stand. Nos. 45,762-3; May 12; Gaz. vol. 202; p. 605.
- Mobley, Earl J., Goldendale, Wash. Poison-bottle. No. 45,674; Apr. 28; Gaz. vol. 201; p. 1184.
- Moe, Aaron B., Chicago, Ill., assignor to Otis & Moe Manufacturing Company. Feeder. No. 46,288; Aug. 18; Gaz. vol. 205; p. 982.
- Mohrhenn, Regina, New York, N. Y. Casserole. No. 45,601; Apr. 14; Gaz. vol. 201; p. 538.
- Mohrmann, Paul, assignor to Friedley-Voshardt Company, Chicago, Ill. Plate for drop-light fixtures. No. 45,764; May 12; Gaz. vol. 202; p. 606.
- Mohrmann, Paul, assignor to Friedley-Voshardt Company, Chicago, Ill. Plate for drop-light fixtures. No. 45,843; May 26; Gaz. vol. 202; p. 1233.
- Mohrmann, Paul, assignor to Friedley-Voshardt Company, Chicago, Ill. Plate for drop-light fixtures. Nos. 46,132-4; July 21; Gaz. vol. 204; pp. 980-1.
- Mohrmann, Paul, assignor to Friedley-Voshardt Company, Chicago, Ill. Plate for drop-light fixtures. No. 46,686; Nov. 24; Gaz. vol. 208; p. 1328.
- Monahan, Louis J., Oshkosh, Wis. Body for nut-cutting machines. No. 45,268; Feb. 17; Gaz. vol. 199; p. 912.
- Monier, Frederick C., assignor to North & Judd Manufacturing Company, New Britain, Conn. Spur-body. No. 45,816; May 19; Gaz. vol. 202; p. 923.
- Mooney, Thomas, Douglaston, N. Y. Casing for door-checks. No. 46,002; June 23; Gaz. vol. 203; p. 1229.
- Moore, Clinton G., Muncie, Ind. Spring-mattress. No. 45,395; Mar. 10; Gaz. vol. 200; p. 555.
- Moore, Roswell A., Waterbury, Conn. Clasp. No. 46,003; June 23; Gaz. vol. 203; p. 1229.
- Moore, Thomas M., San Francisco, Cal. assignor to H. P. Browning, Montclair, N. J. Article of manufacture. No. 45,765; May 12; Gaz. vol. 202; p. 606.
- Morgan, Jesse C., New York, N. Y. Handle for shaving-brushes. No. 46,316; Aug. 25; Gaz. vol. 205; p. 1294.
- Morgan and Marshall Rubber and Tire Co., The. (See Marshall, Robert J., assignor.)
- Morrill, William C., New York, N. Y. Container for soap-dispensers. No. 45,675; Apr. 28; Gaz. vol. 201; p. 1184.
- Morris, Edward L., Boston, Mass., assignor to North & Judd Manufacturing Co., New Britain, Conn. Buckle. No. 45,154; Jan. 13; Gaz. vol. 198; p. 480.

Alphabetical list of patentees of designs—Continued.

- Morris, Thomas J., Springfield, Mass. Pipe-hanger. No. 46,687; Nov. 24; Gaz. vol. 208; p. 1328.
- Morris, William D., assignor to The Republic Rubber Company, Youngstown, Ohio. Vehicle-tire. Nos. 46,537-8; Oct. 13; Gaz. vol. 207; p. 585.
- Morrison, James, Cincinnati, assignor to The Highland Body Mfg. Company, Elmwood Place, Ohio. Automobile-body. Nos. 46,572-4; Oct. 20; Gaz. vol. 207; p. 894.
- Morse, Frank H., Pittsburgh, Pa. Automobile-body. No. 45,948; June 16; Gaz. vol. 203; p. 892.
- Morse, Raymond P., New York, N. Y. Overgaiter. No. 46,602; Oct. 27; Gaz. vol. 207; p. 1217.
- Moss, Anna J. and C. L., Collingswood, N. J. Poison-bottle. No. 46,407; Sept. 15; Gaz. vol. 206; p. 849.
- Moss, Clara L. (See Moss, Anna J. and C. L.)
- Motor Specialties Company. (See Hersee, Frederick C., assignor.)
- Moyle, Edward H., Los Angeles, Cal. Frame for crushers. No. 45,430; Mar. 17; Gaz. vol. 200; p. 833.
- Moyle, Edward H., Los Angeles, Cal. Concentrator-frame. No. 45,431; Mar. 17; Gaz. vol. 200; p. 833.
- Mueller, Philip, and A. C. Schuermann, Decatur, Ill. Cock or faucet. No. 46,032; June 30; Gaz. vol. 203; p. 1525.
- Mullen, Leo G., Crafton, Pa. Prism-lens. No. 45,123; Jan. 6; Gaz. vol. 198; p. 218.
- Mumma, Ira, assignor to The St. Clair Manufacturing Company, Dayton, Ohio. Lighting-fixture. No. 46,289; Aug. 18; Gaz. vol. 205; p. 983.
- Mundt, Charles, Hoboken, N. J. Sanitary telephone-mouth-piece. No. 45,347; Mar. 3; Gaz. vol. 200; p. 248.
- Munier, Emile, Jersey City, N. J., assignor to Pacific Mills, Boston, Mass. Printed textile fabric. Nos. 45,396-400; Mar. 10; Gaz. vol. 200; pp. 555-6.
- Munson, John B., Phillipsburg, N. J. Flag. No. 46,539; Oct. 13; Gaz. vol. 207; p. 585.
- Murphy, Daniel P., assignor to Buhl Stamping Company, Detroit, Mich. Lantern-dome. No. 45,155; Jan. 13; Gaz. vol. 198; p. 480.
- Murphy, George W. J., assignor to G. W. J. Murphy Company, Merrimac, Mass. Curtain-fastener. No. 46,688; Nov. 24; Gaz. vol. 208; p. 1328.
- Murphy, Sarah L., assignor to Mayfair, Inc., New York, N. Y. Minaret figure. No. 45,236; Feb. 10; Gaz. vol. 199; p. 577.
- Murphy, Sarah L., assignor to Mayfair, Inc., New York, N. Y. Chair-rack. No. 45,237; Feb. 10; Gaz. vol. 199; p. 577.
- Murray, James A., assignor to The Seamless Rubber Co., New Haven, Conn. Bathing-cap. Nos. 46,408-10; Sept. 15; Gaz. vol. 206; p. 849.
- Murray, James A., assignor to The Seamless Rubber Co., New Haven, Conn. Rubber bathing-cap. No. 46,603; Oct. 27; Gaz. vol. 207; p. 1218.
- Murray, Robert W., Corning, Ohio. Pump-body. No. 45,307; Feb. 24; Gaz. vol. 199; p. 1217.
- Mutton, Arthur R., Waterloo, Iowa. Suit of playing-cards. No. 45,781; May 12; Gaz. vol. 202; p. 609.
- Myers, Burton D., assignor to The Simeon L. and George H. Rogers Co., Wallingford, Conn. Spoon, fork, or similar article. No. 45,645; Apr. 21; Gaz. vol. 201; p. 868.
- Myers, Burton D., assignor to The Simeon L. and George H. Rogers Co., Wallingford, Conn. Spoon, fork, or similar article. No. 46,368; Sept. 8; Gaz. vol. 206; p. 362.
- Mygatt, Otis A., New York, N. Y. Shade, reflector, or similar article. No. 45,569; Apr. 7; Gaz. vol. 201; p. 242.
- Mygatt, Otis A., New York, N. Y. Shade or reflector or similar article. No. 45,949; June 16; Gaz. vol. 203; p. 892.
- Mygatt, Otis A., New York, N. Y. Shade or reflector. No. 46,004; June 23; Gaz. vol. 203; p. 1229.
- Mygatt, Otis A., New York, N. Y. Corrugated pressed-glass shade or reflector. No. 46,058; July 7; Gaz. vol. 204; p. 286.
- Mygatt, Otis A., New York, N. Y. Glass shade or reflector. No. 46,098; July 14; Gaz. vol. 204; p. 648.
- Mygatt, Otis A., New York, N. Y. Shade, reflector, or similar article. Nos. 46,290-1; Aug. 18; Gaz. vol. 205; p. 983.
- Mygatt, Otis A., New York, N. Y. Glass shade or reflector. No. 46,347; Sept. 1; Gaz. vol. 206; p. 287.
- Nagoski, Frank, Memphis, Tenn. Match-case. No. 46,411; Sept. 15; Gaz. vol. 206; p. 850.
- Nash, John J., assignor to American Pin Company, Waterbury, Conn. Bed-trimming. Nos. 46,317-18; Aug. 25; Gaz. vol. 205; p. 1294.
- Nash, John J., assignor to American Pin Company, Waterbury, Conn. Shade-holder. No. 46,442; Sept. 22; Gaz. vol. 206; p. 1141.
- Nash, John J., assignor to American Pin Company, Waterbury, Conn. Bracket-canopy. No. 46,443; Sept. 22; Gaz. vol. 206; p. 1142.
- Nash, John J., assignor to American Pin Company, Waterbury, Conn. Back-plate. No. 46,444; Sept. 22; Gaz. vol. 206; p. 1142.
- Nash, John J., assignor to American Pin Company, Waterbury, Conn. Shower-plate. No. 46,445; Sept. 22; Gaz. vol. 206; p. 1142.
- Nassau, Mary E., assignor to J. E. Caldwell & Company, Philadelphia, Pa. Badge, pin, or society-emblem. No. 46,135; July 21; Gaz. vol. 204; p. 981.
- Nathan Manufacturing Company. (See Kassander, Leopold, assignor.)
- National Carbon Company. (See Gillingham, Charles A., assignor.)
- National Enameling and Stamping Company. (See Matthal, William H., assignor.)
- National-Standard Company. (See Harrah and Parkin, assignors.)
- National X-Ray Reflector Company. (See Cravath, James R., assignor.)
- Neary, John, assignor to Kokomo Rubber Company, Kokomo, Ind. Tire. No. 45,766; May 12; Gaz. vol. 202; p. 606.
- Neerken, Adrian J., assignor to Packard Motor Car Company, Detroit, Mich. Vehicle-body. No. 45,722; May 5; Gaz. vol. 202; p. 288.
- Neff, John P., East Orange, N. J., assignor to American Arch Company, New York, N. Y. Brick for locomotive-arches. No. 46,509; Oct. 6; Gaz. vol. 207; p. 269.
- Nelson, Fred I., Chicago, Ill. Vacuum clothes-pounder. No. 45,308; Feb. 24; Gaz. vol. 199; p. 1217.
- Nerney, George E., Attleboro, Mass. Emblem or badge. No. 46,099; July 14; Gaz. vol. 204; p. 648.
- Neuberger, Andrew J., Roxbury, Mass. Household utensil. No. 46,810; Dec. 29; Gaz. vol. 209; p. 1670.
- New Jersey Patent Company. (See Rubino, Joseph, assignor.)
- Newbold, Roger M., assignor to The Adams & Westlake Company, Chicago, Ill. Lamp. No. 46,264; Aug. 11; Gaz. vol. 205; p. 630.
- Newhall, Henry B. (See Pleister, Henry W., assignor.)
- Newman, Henry W., New York, N. Y. Advertising-kiosk. No. 46,412; Sept. 15; Gaz. vol. 206; p. 850.
- Newton, Earl W., Chicago, Ill., assignor to Economy Tumbler Co., Morgantown, W. Va. Goblet. No. 45,200; Feb. 3; Gaz. vol. 199; p. 271.
- Newton, Frank H., Oakland, Cal. Advertising-cabinet. No. 45,693; Apr. 28; Gaz. vol. 201; p. 1188.
- Newton, Jasper E., Yoakum, Tex. Watch-dial. No. 45,201; Feb. 3; Gaz. vol. 199; p. 271.
- Nichols, Anthony D., San Francisco, Cal., and W. W. McMahan, Detroit, Mich., assignors, by mesne assignments, to United States Tire Company, New York, N. Y. Rubber or elastic vehicle-tire. No. 45,723; May 5; Gaz. vol. 202; p. 288.
- Nichols, George P., Kenilworth, Ill. Automobile-hood. No. 46,689; Nov. 24; Gaz. vol. 208; p. 1328.
- Nichols, Horace C., Brookline, Mass. Combination sink and tray bracket. No. 46,136; July 21; Gaz. vol. 204; p. 981.
- Nixon, Charles E., Columbus, Ohio. Fraternity-pin. No. 45,238; Feb. 10; Gaz. vol. 199; p. 577.
- Noble, E. J. (See Crane, Clarence A., assignor.)
- Norberg, Rudolph C., assignor to The Willard Storage Battery Company, Cleveland, Ohio. Connector for storage batteries. No. 45,348; Mar. 3; Gaz. vol. 200; p. 248.
- Norris, Albert F. and C. H., Stoughton, Mass. Piano-pedal. No. 45,610; Apr. 14; Gaz. vol. 201; p. 539.
- Norris, Clifton H. (See Norris, Albert F. and C. H.)
- North & Judd Manufacturing Company. (See Monier, Frederick C., assignor.)
- North & Judd Manufacturing Co. (See Morris, Edward L., assignor.)
- Northwood, Harry, Wheeling, W. Va. Spoon-holder or similar article. No. 46,059; July 7; Gaz. vol. 204; p. 286.
- Novak, Frank, Chicago, Ill. Bottle. No. 45,646; Apr. 21; Gaz. vol. 201; p. 868.
- Numan, Charles H., New York, N. Y. Inkstand. No. 46,482; Sept. 29; Gaz. vol. 206; p. 1418.
- O. C. Devereux Company. (See Osterberg, Carl I., assignor.)
- O. M. Edwards Company, The. (See Lemon, James F., assignor.)
- O'Shea, William, Kansas City, Mo. Crucifix. No. 45,602; Apr. 14; Gaz. vol. 201; p. 538.
- Oathout, Charles E. (See Keller and Oathout.)
- Ogden, John, Cardington, Pa. Radiator. No. 46,180; July 28; Gaz. vol. 204; p. 1319.
- Old Colony Mfg. Co., The. (See Steer, Ernest D., assignor.)
- Oldham, Charles W., Steubenville, assignor to Imperial Glass Company, Bellaire, Ohio. Goblet. No. 46,060; July 7; Gaz. vol. 204; p. 286.
- Oliver Typewriter Company, The. (See Harting and Knapp, assignors.)
- Olsen, Matthew S., Minot, N. D. Set of political playing-cards. No. 45,269; Feb. 17; Gaz. vol. 199; p. 912.
- Olston Electric Company. (See Whitney, Roswell A., assignor.)
- Oneida Community. (See Allen, Grosvenor N., assignor.)
- Onondaga Pottery Company. (See Koch, Augustus J., assignor.)
- Onondaga Pottery Company. (See Walter, Elmer E., assignor.)
- Onondaga Pottery Company. (See Wigley, John T., assignor.)

Alphabetical list of patentees of designs—Continued.

- Orbik, John, Hurley, Wis. Picture-frame. No. 45,676; Apr. 28; Gaz. vol. 201; p. 1185.
- Orr, John F., assignor to The Cincinnati Coffin Company, Cincinnati, Ohio. Lining for burial-casket lids. No. 46,413; Sept. 15; Gaz. vol. 206; p. 850.
- Osborne, Charles, assignor to Whiting Manufacturing Company, New York, N. Y. Handle for spoons, forks, or similar articles. No. 45,401; Mar. 10; Gaz. vol. 200; p. 556.
- Osborne, Charles, assignor to Whiting Manufacturing Company, New York, N. Y. Handle for spoons, forks, or similar articles. No. 45,482; Mar. 24; Gaz. vol. 200; p. 1087.
- Osgood, Samuel W., Chicago, Ill. Lamp-lens. No. 45,724; May 5; Gaz. vol. 202; p. 288.
- Osterberg, Carl I., Cranston, R. I., assignor to O. C. Devereux Company. Cigar-cutter. No. 45,270; Feb. 17; Gaz. vol. 199; p. 913.
- Otis & Moe Manufacturing Company. (See Moe, Aaron B., assignor.)
- Otstot, George, Springfield, Ohio. Toy. No. 46,540; Oct. 13; Gaz. vol. 207; p. 585.
- Otstot, George, Springfield, Ohio. Toy. Nos. 46,748-9; Dec. 8; Gaz. vol. 209; pp. 657-8.
- Ott, Charles B., Echo Point, W. Va. Artificial-light inclosure. Nos. 46,061-2; July 7; Gaz. vol. 204; pp. 286-7.
- Ott, Charles B., Woodlawn, W. Va. Artificial-light inclosure. No. 46,541; Oct. 13; Gaz. vol. 207; p. 585.
- Ott, Charles B., Woodlawn, W. Va. Artificial-light inclosure. No. 46,575; Oct. 20; Gaz. vol. 207; p. 894.
- Over, Edwin G., Fort Worth, Tex. Sanitary tooth-cleaner. No. 46,510; Oct. 6; Gaz. vol. 207; p. 269.
- Ovida Company. (See Burns and Perillat, assignors.)
- Owen China Co., The. (See Large, William L., assignor.)
- Owen, Raymond V., assignor to St. Louis Brass Manufacturing Company, St. Louis, Mo. Lamp-shade. No. 45,349; Mar. 3; Gaz. vol. 200; p. 248.
- Owen, Raymond V., assignor to St. Louis Brass Manufacturing Company, St. Louis, Mo. Lighting-fixture. No. 46,690; Nov. 24; Gaz. vol. 208; p. 1328.
- Pacific Mills. (See Foster, Winfred C., assignor.)
- Pacific Mills. (See Hoch, Ernest, assignor.)
- Pacific Mills. (See Korzinek, William C., assignor.)
- Pacific Mills. (See Madeleine, Emile, assignor.)
- Pacific Mills. (See Munier, Emile, assignor.)
- Packard Motor Car Company. (See Hastings, Don T., assignor.)
- Packard Motor Car Company. (See Neerken, Adrian J., assignor.)
- Page, Albert A., East Haven, Conn., assignor to Sargent & Company, New Haven, Conn. Plane-body. No. 46,446; Sept. 22; Gaz. vol. 206; p. 1142.
- Pagin, James R., Valparaiso, Ind. Combination-lamp. No. 45,350; Mar. 3; Gaz. vol. 200; p. 248.
- Painter, George. (See Hopkins and Painter.)
- Palmer, John W., assignor to Albert Pick & Company, Chicago, Ill. Coaster. No. 46,005; June 23; Gaz. vol. 203; p. 1229.
- Palmer, Theron R., Erie, Pa. Pneumatic tire. No. 46,447; Sept. 22; Gaz. vol. 206; p. 1143.
- Paluch, Anthony, Detroit, Mich. Cuff-button. No. 46,181; July 28; Gaz. vol. 204; p. 1319.
- Panama-Pacific International Exposition Co. (See Baxter, Howard A., assignor.)
- Panchula, Miklos, Dixonville, Pa. Crucifix. No. 46,511; Oct. 6; Gaz. vol. 207; p. 270.
- Parker, Russell, New York, N. Y. Bathing-cap. No. 45,124; Jan. 6; Gaz. vol. 198; p. 218.
- Parker, Stanley, New Britain, Conn. Soap-saver. No. 46,576; Oct. 20; Gaz. vol. 207; p. 894.
- Parker, Stanley, New Britain, Conn. Bread-toaster. No. 46,577; Oct. 20; Gaz. vol. 207; p. 894.
- Parker, Stearns & Company. (See Stearns, Mabel J., assignor.)
- Parkin, Walter H. (See Harrah and Parkin.)
- Parks, Alexander A., Tallassee, Ala. Head-rest holder for barbers' chairs. No. 45,888; June 2; Gaz. vol. 203; p. 276.
- Parsons, William P., Corning, N. Y., assignor to Corning Glass Works. Percolator-top of glass. No. 46,777; Dec. 15; Gaz. vol. 209; p. 1028.
- Pearce, Aldridge G., deceased; A. R. Pearce, administratrix, assignor to F. T. Pearce Company, Providence, R. I. Clip for pens, pencils, or similar articles. No. 46,691; Nov. 24; Gaz. vol. 208; p. 1329.
- Pearce, Annie R., administratrix. (See Pearce, Aldridge G.)
- Pearce, William, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Golf-ball. No. 46,778; Dec. 15; Gaz. vol. 209; p. 1028.
- Pederson, Seth E., Jud, N. D. Necktie-holder. No. 46,063; July 7; Gaz. vol. 204; p. 287.
- Peek Frean and Company. (See Cooke, Alfred, assignor.)
- Peerless Motor Car Company, The. (See Harper, George W., assignor.)
- Pegel, Julius T., assignor to Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. No. 45,915; June 9; Gaz. vol. 203; p. 577.
- Pellet, D. D. (See Worden, Frank A., assignor.)
- Peltier, Frank D., Mount Clemens, Mich. Card-holder. No. 45,817; May 19; Gaz. vol. 202; p. 923.
- Pepper, Howard E., Bala, Pa. Cornet. No. 45,483; Mar. 24; Gaz. vol. 200; p. 1088.
- Peres, Max, Solingen, Germany. Pocket-knife. No. 46,414; Sept. 15; Gaz. vol. 206; p. 850.
- Perillat, Charles D. (See Burns and Perillat.)
- Peters, Charles, and A. Jacobson, Los Angeles, Cal. Souvenir clock-case. No. 46,578; Oct. 20; Gaz. vol. 207; p. 894.
- Peters, John B., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Casing for electrical translating devices. No. 45,402; Mar. 10; Gaz. vol. 200; p. 556.
- Peters, John B., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Engine ignition device. No. 45,403; Mar. 10; Gaz. vol. 200; p. 556.
- Peterson, Bessie C., Chicago, Ill. Beauty-box. No. 45,767; May 12; Gaz. vol. 202; p. 606.
- Peterson, Carl E., Newark, N. J. Slide. No. 45,239; Feb. 10; Gaz. vol. 199; p. 578.
- Peterson, Frank W., Harcourt, Iowa. Manure-hook. No. 46,579; Oct. 20; Gaz. vol. 207; p. 895.
- Petit, Gabriel A., assignor to Imperial Player Roll Company, Chicago, Ill. Label-blank. No. 46,182; July 28; Gaz. vol. 204; p. 1319.
- Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 45,202-3; Feb. 3; Gaz. vol. 199; pp. 271-2.
- Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 45,950-9; June 16; Gaz. vol. 203; pp. 893-4.
- Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 46,223-36; Aug. 4; Gaz. vol. 205; pp. 272-5.
- Pfanschmidt, Charles, assignor to Theo. A. Kochs Co., Chicago, Ill. Seat-frame for barbers' chairs. No. 46,064; July 7; Gaz. vol. 204; p. 287.
- Pfau, Charles, Cincinnati, Ohio. Tank. No. 46,065; July 7; Gaz. vol. 204; p. 287.
- Pfeiffer, William F., Pittsburgh, Pa. Candy-receptacle. No. 45,204; Feb. 3; Gaz. vol. 199; p. 272.
- Pharis Tire & Rubber Company, The. (See McClurg, John S., assignor.)
- Philip Strobel & Sons. (See Brown, Harlow R., assignor.)
- Philips, William E., assignor to Metal Stampings Corporation, Streator, Ill. Bicycle-frame. No. 45,156; Jan. 13; Gaz. vol. 198; p. 480.
- Phillips, Ross M. G., West Haven, assignor to The Sentinal Automatic Gas Appliance Co., New Haven, Conn. Dial for automatic cook-stoves. No. 45,916; June 9; Gaz. vol. 203; p. 577.
- Pickard, Albert E., Roslyn, N. Y. Bottle. No. 45,351; Mar. 3; Gaz. vol. 200; p. 249.
- Pickard, Albert E., Roslyn, N. Y. Bottle. No. 46,066; July 7; Gaz. vol. 204; p. 287.
- Pierce-Arrow Motor Car Company, The. (See Dawley, Herbert M., assignor.)
- Pitkin & Brooks. (See Feeney, William P., assignor.)
- Pittsburgh Lamp, Brass & Glass Company. (See Kopp and Ewing, assignors.)
- Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Shield or similar article. No. 46,483; Sept. 29; Gaz. vol. 206; p. 1418.
- Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Housing for breast-drills. No. 46,779; Dec. 15; Gaz. vol. 209; p. 1028.
- Pohl, Georg, Melvin, Iowa. Garment-hanger. No. 46,100; July 14; Gaz. vol. 204; p. 648.
- Pollgreen, William H., Bisbee, Ariz. Poison-bottle. No. 46,620; Nov. 3; Gaz. vol. 208; p. 306.
- Poole, Elmer E., Boston, Mass. Combined tail-light and sign-plate holder. No. 45,725; May 5; Gaz. vol. 202; p. 288.
- Pope Manufacturing Company, The. (See Stiniste, Joseph, assignor.)
- Portland Sales Company. (See Seamon, Percy R., assignor.)
- Potteiger, Harry E., assignor to The Burgner Manufacturing and Sales Co., Sinking Spring, Pa. Bottle. No. 46,265; Aug. 11; Gaz. vol. 205; p. 630.
- Powell, Milton C., Ralston, Nebr. Built-in kitchen-cabinet. No. 46,348; Sept. 1; Gaz. vol. 206; p. 287.
- Pretat, Frederick E., Waterbury, assignor to International Silver Co., Meriden, Conn. Handle for spoons, forks, or similar articles. No. 45,309; Feb. 24; Gaz. vol. 199; p. 1217.
- Pribil, Alexis R., Detroit, Mich., assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Grease-cup cap. No. 45,726; May 5; Gaz. vol. 202; p. 289.
- Prochaska, Karl, Vienna, Austria-Hungary. Pot and cover lifter. No. 46,183; July 28; Gaz. vol. 204; p. 1319.
- Protective "Freflo" Stoppie Company. (See Douglass, John W., assignor.)
- Prusser, Henry A., Willow, Cal. Automobile radiator-cap or like article. No. 46,448; Sept. 22; Gaz. vol. 206; p. 1143.
- Purcell, Charles H., near Rockville, Ind. Cabinet. No. 46,792; Dec. 22; Gaz. vol. 209; p. 1289.
- R. Marston Company. (See Marston, Shirley, assignor.)
- R. Wallace & Sons Manufacturing Company. (See Hill-bom, Henrik, assignor.)

Alphabetical list of patentees of designs—Continued.

- R. Wallace & Sons Mfg. Co. (See Brown, Leslie A., assignor.)
- R. & H. Manufacturing Company, The. (See Hinckley, Henry D., assignor.)
- Railway Specialties Company. (See Bell, John A., assignor.)
- Rainville, Omer J., Pawtucket, R. I. Bottle-cap remover. No. 45,171; Jan. 20; Gaz. vol. 198; p. 677.
- Rainwater, Adam A., Thomasville, Ga. Hammer. No. 46,692; Nov. 24; Gaz. vol. 208; p. 1329.
- Ramey, James E., Oakland, Cal. Watch-chain. No. 46,369; Sept. 8; Gaz. vol. 206; p. 362.
- Rampfel, Henry, West Hoboken, N. J., assignor to L. Straus & Sons, New York, N. Y. Plate or similar article. No. 45,310; Feb. 24; Gaz. vol. 199; p. 1217.
- Randall, William H. (See McChesney, William W., assignor.)
- Rauch, Pronest R. (See Holt and Rauch.)
- Ray, Mark G., Atlanta, Ga. Shade for lamp. No. 45,727; May 5; Gaz. vol. 202; p. 289.
- Ray, Russel, Santa Barbara, Cal. Ceiling-reflector. No. 45,271; Feb. 17; Gaz. vol. 199; p. 913.
- Raynolds, Madeleine T., New York, N. Y. Combined salt and pepper carrier. No. 45,728; May 5; Gaz. vol. 202; p. 289.
- Re Maker, John M., Springfield, Mass. Lamp-shade stand. No. 46,512; Oct. 6; Gaz. vol. 207; p. 270.
- Reach, Milton B., Chicopee, Mass., assignor to A. G. Spalding & Bros. Manfg. Co. Heel-clamp for skates. No. 45,311; Feb. 24; Gaz. vol. 199; p. 1218.
- Reagan, Daniel E., Columbus, assignor to Hocking Valley Products Company, Franklin, Ohio. Brick or similar article. No. 46,580; Oct. 20; Gaz. vol. 207; p. 895.
- Redd, Mary L., Columbus, Ga. Flag-holder for soldiers' graves and other decorative purposes. No. 46,349; Sept. 1; Gaz. vol. 206; p. 287.
- Reeder, John F., Shelbyville, Ill. Shoe-clasp. No. 45,432; Mar. 17; Gaz. vol. 200; p. 834.
- Rees, Alice A., Spring City, Pa. Game-board. No. 46,581; Oct. 20; Gaz. vol. 207; p. 895.
- Reeve, Percival J., Haddonfield, N. J. Parasol-handle ornament. No. 45,352; Mar. 3; Gaz. vol. 200; p. 249.
- Reeves, Orwell C., Toledo, Ohio, assignor to Toledo Scale Company, Jersey City, N. J. Hanging-scale casing. No. 46,750; Dec. 8; Gaz. vol. 209; p. 658.
- Regal Musical Instrument Co. (See Kordick, Frank, assignor.)
- Reist, Warren D., Williamsville, N. Y. Crochet-stand. No. 46,137; July 21; Gaz. vol. 204; p. 981.
- Remppis, William F., Reading, Pa. Bicycle-frame. Nos. 45,960-1; June 16; Gaz. vol. 203; p. 895.
- Remppis, William F., Reading, Pa. Bicycle-frame. No. 46,693; Nov. 24; Gaz. vol. 208; p. 1329.
- Republic Rubber Company, The. (See Morris, William D., assignor.)
- Reynolds, Charles F., Cleveland, Ohio. Buckle. Nos. 45,693-4; Apr. 14; Gaz. vol. 201; p. 538.
- Reynolds, Charles F., Cleveland, Ohio. Buckle. No. 45,818; May 19; Gaz. vol. 202; p. 923.
- Reynolds, Francis J., and D. Lenahan, Watertown, N. Y. Shoe-buttoner. No. 46,266; Aug. 11; Gaz. vol. 205; p. 630.
- Rhodes, Daniel, Washington, D. C. Rectal dilator. No. 45,962; June 16; Gaz. vol. 203; p. 895.
- Rice, Richard H., Lynn, Mass. Automobile-body. No. 46,101; July 14; Gaz. vol. 204; p. 649.
- Richardson, Herbert. (See Fleischauer and Richardson.)
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 45,484; Mar. 24; Gaz. vol. 200; p. 1088.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 45,485-7; Mar. 24; Gaz. vol. 200; pp. 1088-9.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Rug. No. 45,647; Apr. 21; Gaz. vol. 201; p. 868.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 45,889-90; June 2; Gaz. vol. 203; p. 276.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 46,542-7; Oct. 13; Gaz. vol. 207; pp. 585-7.
- Riley, William E., Louisville, Ky. Medal or similar article. No. 45,125; Jan. 6; Gaz. vol. 198; p. 218.
- Rinder, Erwin W. (See Meyers, George W., assignor.)
- Risbeck, John H., Pittsburgh, Pa. Button, fob, or similar article of jewelry. No. 45,819; May 19; Gaz. vol. 202; p. 924.
- Ritters, Roman W., Los Angeles, Cal. Badge or similar article. No. 46,292; Aug. 18; Gaz. vol. 205; p. 983.
- Robbins, Meyer L., New York, N. Y. Cut gem. No. 45,353; Mar. 3; Gaz. vol. 200; p. 249.
- Robert Griffin Co. (See Griffin, Robert B., assignor.)
- Roberts, Frederick R., Jr., assignor to Wm. B. Durgin Co., Concord, N. H. Handle for spoons, forks, or similar articles. No. 46,717; Dec. 1; Gaz. vol. 209; p. 310.
- Roberts, Frederick R., Jr., assignor to Wm. B. Durgin Company, Concord, N. H. Vase or similar article. No. 46,751; Dec. 8; Gaz. vol. 209; p. 658.
- Robertson, George H., New York, N. Y. Tire-tread. No. 45,891; June 2; Gaz. vol. 203; p. 276.
- Rogers, Robert B., Somerville, Mass. Cuff-button protector. No. 46,237; Aug. 4; Gaz. vol. 205; p. 275.
- Rogers, Walter F., Oak Park, Ill. Stove. No. 46,582; Oct. 20; Gaz. vol. 207; p. 895.
- Ronda, Stanley, Toledo, Ohio. Cigar-holder and ash-tray. No. 45,892; June 2; Gaz. vol. 203; p. 277.
- Rosen, Morris, New York, N. Y. Wedding-ring. No. 45,648; Apr. 21; Gaz. vol. 201; p. 868.
- Rosenberger, Isaac, Tallman, Mich., assignor to N. H. Brandenburg, Astoria, Oreg. Rack or stand. No. 45,694; Apr. 28; Gaz. vol. 201; p. 1188.
- Ross Broiler Company. (See Binswanger, Simon, assignor.)
- Rosotto, Pasquale, New York, N. Y. Ash-tray. No. 46,102; July 14; Gaz. vol. 204; p. 649.
- Rothfus, John F., Hammonont, assignor to Figueroa Cut Glass Co., Hammonont, N. J. Cut-glass vessel. No. 46,652; Nov. 17; Gaz. vol. 208; p. 955.
- Rowland, Edward J., assignor to Diamond Glass Company, Indiana, Pa. Toy candy-box. No. 46,293; Aug. 18; Gaz. vol. 205; p. 983.
- Roy, Joseph, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Cabinet gas-range. No. 45,240; Feb. 10; Gaz. vol. 199; p. 578.
- Royce, Frederick H., Westwood, Crowborough, England. Combined bonnet and radiator for automobile-engines. No. 45,695; Apr. 28; Gaz. vol. 201; p. 1188.
- Rubber & Celluloid Harness Trimming Co. (See Denton, Thomas B., assignor.)
- Rubes, Ernest, Brooklyn, N. Y. Automobile-horn. No. 46,294; Aug. 18; Gaz. vol. 205; p. 984.
- Rubino, Joseph, Corona, N. Y., assignor to New Jersey Patent Company, West Orange, N. J. Cabinet. No. 45,126; Jan. 6; Gaz. vol. 198; p. 219.
- Rudy, Michael, Rochester, N. Y. Table-caster. No. 46,033; June 30; Gaz. vol. 203; p. 1525.
- Rumble, William, Jr., Cranford, N. J. Buckle. No. 45,540; Mar. 31; Gaz. vol. 200; p. 1360.
- Rush, Joseph K. (See Yakeley, Le Roy, assignor.)
- Russell, Harry. (See Jelsema and Russell.)
- Russell Mfg. Co., The. (See Frissell, Frank H., assignor.)
- Ruud Manufacturing Company. (See Humphrey, Herbert S., assignor.)
- Ryan, Harry J., Troy, N. Y. Water-heater. No. 45,696; Apr. 28; Gaz. vol. 201; p. 1189.
- Rzadkosz, Jacob, Millsboro, Pa. Cane or umbrella handle. No. 46,780; Dec. 15; Gaz. vol. 209; p. 1028.
- S. Herbert Cut Glass Company, The. (See Waldman, William, assignor.)
- S. S. White Dental Manufacturing Company, The. (See Simpson, Edward F., Jr., assignor.)
- Saart, William H., Attleboro, Mass., assignor to The W. H. Saart Company. Coin-holder. Nos. 45,354-6; Mar. 3; Gaz. vol. 200; p. 249.
- Saart, William H., Attleboro, Mass., assignor to The W. H. Saart Company. Mesh-bag. No. 45,433; Mar. 17; Gaz. vol. 200; p. 834.
- Sabine, Wallace C., Boston, assignor to The Carter's Ink Company, Cambridge, Mass. Pour-out for bottles. No. 46,752; Dec. 8; Gaz. vol. 209; p. 658.
- Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Base member for automobile-bumpers. No. 45,570; Apr. 7; Gaz. vol. 201; p. 242.
- Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Automobile-bumper. No. 45,571; Apr. 7; Gaz. vol. 201; p. 242.
- Salomon, Joseph, and H. Shaw, Chicago, Ill. Mirror-support. No. 46,295; Aug. 18; Gaz. vol. 205; p. 984.
- Salzman, Joseph A., Toledo, Iowa. Emblem. No. 46,653; Nov. 17; Gaz. vol. 208; p. 955.
- Sampson, Charles H., Rochester, N. Y. Casing for check-protectors. No. 46,604; Oct. 27; Gaz. vol. 207; p. 1218.
- Sandahl, Ane M. A., Seattle, Wash. String of beads. No. 45,820; May 19; Gaz. vol. 202; p. 924.
- Sanderson, Nathaniel, North Yakima, Wash. Match-safe. No. 45,404; Mar. 10; Gaz. vol. 200; p. 556.
- Sandman, August G., Baltimore, Md. Draft-yoke. No. 45,241; Feb. 10; Gaz. vol. 199; p. 578.
- Sanford, Andrew J., Newark, Ohio. Pitcher-top. No. 45,488; Mar. 24; Gaz. vol. 200; p. 1089.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Bowl. No. 45,127; Jan. 6; Gaz. vol. 198; p. 219.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Pitcher. No. 45,489; Mar. 24; Gaz. vol. 200; p. 1089.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Molasses-jug. No. 45,541; Mar. 31; Gaz. vol. 200; p. 1360.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Lavender-jar. No. 45,542; Mar. 31; Gaz. vol. 200; p. 1360.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Tumbler. No. 45,605; Apr. 14; Gaz. vol. 201; p. 538.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Glass dish or similar article. No. 45,893; June 2; Gaz. vol. 203; p. 277.

Alphabetical list of patentees of designs—Continued.

- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Tumbler. No. 46,296; Aug. 18; Gaz. vol. 205; p. 984.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Candlestick. No. 46,319; Aug. 25; Gaz. vol. 205; p. 1294.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Tumbler or similar article. No. 46,320; Aug. 25; Gaz. vol. 205; p. 1294.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Bowl or similar article. No. 46,321; Aug. 25; Gaz. vol. 205; p. 1295.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Goblet or similar article. No. 46,322; Aug. 25; Gaz. vol. 205; p. 1295.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Tumbler. No. 46,449; Sept. 22; Gaz. vol. 206; p. 1143.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Goblet or similar article. Nos. 46,642-3; Nov. 10; Gaz. vol. 208; pp. 628-9.
- Sanford, Andrew J., assignor to A. H. Heisey & Company, Newark, Ohio. Nappy. No. 46,694; Nov. 24; Gaz. vol. 208; p. 1329.
- Sanford, Andrew J., assignor to A. H. Heisey & Company, Newark, Ohio. Shelf-support. No. 46,753; Dec. 8; Gaz. vol. 209; p. 658.
- Sard, Russell E., Albany, N. Y. Gas-range. No. 45,157; Jan. 13; Gaz. vol. 198; p. 480.
- Sard, Russell E., Albany, N. Y. Gas-range. No. 45,768; May 12; Gaz. vol. 202; p. 606.
- Sargent & Company. (See Page, Albert A., assignor.)
- Sarrazin, Jules J., New Orleans, La. Handle for tooth-brushes. No. 45,572; Apr. 7; Gaz. vol. 201; p. 242.
- Sarrazin, Jules J., New Orleans, La. Tooth-brush. No. 46,450; Sept. 22; Gaz. vol. 206; p. 1143.
- Satterfield, Joseph M., Bellaire, Ohio. Grate-fender. No. 45,649; Apr. 21; Gaz. vol. 201; p. 868.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 45,490; Mar. 24; Gaz. vol. 200; p. 1089.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 45,491-3; Mar. 24; Gaz. vol. 200; pp. 1089-90.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. No. 45,650; Apr. 21; Gaz. vol. 201; p. 869.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 45,651; Apr. 21; Gaz. vol. 201; p. 869.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. No. 45,652; Apr. 21; Gaz. vol. 201; p. 869.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 45,963-7; June 16; Gaz. vol. 203; p. 895.
- Saunders, Emmett A., Mishawaka, Ind. Boot. No. 46,548; Oct. 13; Gaz. vol. 207; p. 587.
- Savill, Robert G., assignor to Thomas Savill's Sons, Philadelphia, Pa. Faucet. No. 46,238; Aug. 4; Gaz. vol. 205; p. 275.
- Schaaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Insulator. No. 46,451; Sept. 22; Gaz. vol. 206; p. 1144.
- Schade, John, Jr., assignor to Fahnestock Electric Company, New York, N. Y. Spring fastening device. No. 46,621; Nov. 3; Gaz. vol. 208; p. 307.
- Schaefer, Christian, assignor to White, Wile & Warner, Buffalo, N. Y. Finger-ring. No. 45,312; Feb. 24; Gaz. vol. 199; p. 1218.
- Schaefer, Frank M., assignor to F. N. Baylles, Chicago, Ill. Meat-block or similar article. Nos. 46,622-3; Nov. 3; Gaz. vol. 208; p. 307.
- Schan, John P., Brooklyn, N. Y. Bathing-cap. No. 45,917; June 9; Gaz. vol. 203; p. 577.
- Scheidecker, Paul, Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. No. 46,605; Oct. 27; Gaz. vol. 207; p. 1218.
- Schenke, Max E., Brooklyn, N. Y. Slipper. No. 46,323; Aug. 25; Gaz. vol. 205; p. 1295.
- Schindler, Francis, Scarsdale, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 45,494-5; Mar. 24; Gaz. vol. 200; p. 1090.
- Schindler, Francis, Scarsdale, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 46,549-50; Oct. 13; Gaz. vol. 207; p. 587.
- Schleicher, William A., Cleveland, Ohio. Buckle. No. 45,496; Mar. 24; Gaz. vol. 200; p. 1090.
- Schletter, Richard E., Philadelphia, Pa. Sock or stocking. No. 45,497; Mar. 24; Gaz. vol. 200; p. 1090.
- Schloss, Newton L. (See Auth and Schloss.)
- Schnabel, Charles, New York, N. Y. Child's mitten. No. 45,653; Apr. 21; Gaz. vol. 201; p. 869.
- Schneider, Henry. (See Schneider, John and H.)
- Schneider, John and H., Ann Arbor, Mich. Cowl-dash for automobiles. No. 46,184; July 28; Gaz. vol. 204; p. 1320.
- Schnippa, Wilhelm, Schwepnitz, Saxony, Germany. Nursing-bottle. No. 45,128; Jan. 6; Gaz. vol. 198; p. 219.
- Schoenberg, Ralph A., Branchport, N. J. Pipe-bowl. No. 45,208; Feb. 3; Gaz. vol. 199; p. 273.
- Schoenhardt, Ferdinand P., assignor to Edward Miller & Company, Meriden, Conn. Lighting-fixture. No. 45,313; Feb. 24; Gaz. vol. 199; p. 1218.
- Schoenhardt, Ferdinand P., assignor to Edward Miller & Company, Meriden, Conn. Lighting-fixture. Nos. 46,695-8; Nov. 24; Gaz. vol. 208; pp. 1329-30.
- Schottky, Fredrick F., assignor to J. H. Faw, Inc., New York, N. Y. Casing for electric gage-lamps. No. 46,452; Sept. 22; Gaz. vol. 206; p. 1144.
- Schraubstadter, Carl, St. Louis, Mo. Font of type. No. 45,894; June 2; Gaz. vol. 203; p. 277.
- Schreiber, Edwin W. (See Klemm, Edwin O., assignor.)
- Schreiber, Samuel H., New York, N. Y. Hand-bag. No. 45,543; Mar. 31; Gaz. vol. 200; p. 1360.
- Schroff, Hermann, New York, N. Y., and C. J. Cronk, Weehawken, N. J., assignors to Elms & Sellon. Textile fabric. No. 45,357; Mar. 3; Gaz. vol. 200; p. 250.
- Schuermann, Anton C. (See Mueller and Schuermann.)
- Schulling, Martin J., Grand Rapids, Mich. Kitchen-cabinet. No. 46,699; Nov. 24; Gaz. vol. 208; p. 1330.
- Schulhoff, Saul, Philadelphia, Pa. Bottle-cap stopple. No. 45,242; Feb. 10; Gaz. vol. 199; p. 578.
- Schultz, William J. F., Chicago, Ill. Mandolin-body. No. 45,968; June 16; Gaz. vol. 203; p. 896.
- Schumacher, Gerard, Anniston, Ala. Lighting-standard or the like. No. 45,769; May 12; Gaz. vol. 202; p. 606.
- Schwarber, Henry, Weehawken, assignor to Infexible Co., West New York, N. J. Waist-front. No. 46,551; Oct. 13; Gaz. vol. 207; p. 587.
- Schwartz, Charles A., Richmond, Cal. Vehicle-tire. No. 46,700; Nov. 24; Gaz. vol. 208; p. 1330.
- Schwarz, Harry, St. Louis, Mo. Middy waist or blouse. No. 46,415; Sept. 15; Gaz. vol. 206; p. 850.
- Schweizer, Jacob O., assignor to Alexander Brothers, Philadelphia, Pa. Medallion. No. 46,624; Nov. 3; Gaz. vol. 208; p. 307.
- Scoles, Walter, assignor to Firm of J. K. Farnell, London, England. Toy. Nos. 46,069-70; July 7; Gaz. vol. 204; p. 288.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Stocking. Nos. 46,185-6; July 28; Gaz. vol. 204; p. 1320.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Stocking. Nos. 46,324-5; Aug. 25; Gaz. vol. 205; pp. 1295-6.
- Scott & Williams. (See Scott, Robert W., assignor.)
- Scruggs, Loyd, assignor to Copper Clad Malleable Range Company, St. Louis, Mo. Coal-range. No. 45,158; Jan. 13; Gaz. vol. 198; p. 480.
- Seamless Rubber Co., The. (See Murray, James A., assignor.)
- Seamon, Percy R., assignor to Portland Sales Company, Boston, Mass. Mirror-stand. No. 46,370; Sept. 8; Gaz. vol. 206; p. 362.
- Searight, John R., Detroit, Mich. Pencil-sharpener. No. 46,068; July 7; Gaz. vol. 204; p. 288.
- Searl, Leon A., New York, N. Y. Bisque doll. No. 46,006; June 23; Gaz. vol. 203; p. 1229.
- Sebring, Frank A., Sebring, Ohio. Plaque. No. 45,272; Feb. 17; Gaz. vol. 199; p. 913.
- Seefried, Johann, Nuremberg, Germany. Fastener for paper bags. No. 46,513; Oct. 6; Gaz. vol. 207; p. 270.
- Seeburg, Justus P., Chicago, Ill. Orchestrion-case. Nos. 45,654-5; Apr. 21; Gaz. vol. 201; p. 869.
- Seitz, Otto E. J., assignor of one-half to Arthe Levy Bernhard Company, New York, N. Y., and one-half to Suplee, Reeve, Whiting Company, Philadelphia, Pa. Parasol. No. 46,701; Nov. 24; Gaz. vol. 208; p. 1331.
- Selleck, Allen C., Chicago, Ill. Pancake-turner. No. 46,416; Sept. 15; Gaz. vol. 206; p. 850.
- Sentinel Automatic Gas Appliance Co., The. (See Phillips, Ross M. G., assignor.)
- Setter, Michael, assignor to Automatic Electric Company, Chicago, Ill. Casing for hand-telephones. No. 46,267; Aug. 11; Gaz. vol. 205; p. 630.
- Severns, William, Chicago, Ill. Mop. No. 45,273; Feb. 17; Gaz. vol. 199; p. 913.
- Shane, Leonard E., Keytesville, Mo. Wrecking-bar with hammer attachment. No. 45,821; May 19; Gaz. vol. 202; p. 924.
- Shanks, John, Barrhead, Scotland. Urinal. Nos. 45,206-7; Feb. 3; Gaz. vol. 199; p. 272.
- Shaw, Arthur E., Columbia, S. C. Frame or stand for anesthetic-administering apparatus. No. 45,770; May 12; Gaz. vol. 202; p. 607.
- Shaw, Harry. (See Salomon and Shaw.)
- Sheer, Henry M., Quincy, Ill. Incubator. No. 45,434; Mar. 17; Gaz. vol. 200; p. 834.
- Shepard, Raymond H., New York, N. Y., assignor to Van Dusen & Stokes Co., Philadelphia, Pa. Bracelet. No. 46,644; Nov. 10; Gaz. vol. 208; p. 629.
- Sherman, Howard B., Battle Creek, Mich. Metal strip. No. 45,895; June 2; Gaz. vol. 203; p. 277.
- Shick, Roy, Okmulgee, Okla. Bank-book cover. No. 45,677; Apr. 28; Gaz. vol. 201; p. 1185.
- Shields, Carl E., Rock Island, Ill. Bench-vise anvil. No. 46,268; Aug. 11; Gaz. vol. 205; p. 631.
- Shiras Electric Company. (See Chassaing, Joseph, assignor.)
- Shiveley, George W. (See Daum and Shiveley.)

Alphabetical list of patentees of designs—Continued.

- Shively, Emily J., San Francisco, Cal. Toy figure. No. 46,007; June 23; Gaz. vol. 203; p. 1230.
- Shively, Emily J., assignor of one-half to C. Whitney, San Francisco, Cal. Toy figure. No. 45,274; Feb. 17; Gaz. vol. 199; p. 913.
- Short, Joseph S., New York, N. J. Stripped looping. No. 45,573; Apr. 7; Gaz. vol. 201; p. 243.
- Shure, Nathan, Chicago, Ill. Clock-case. No. 46,008; June 23; Gaz. vol. 203; p. 1230.
- Shutt, Albert, Topeka, Kans. Body for stringed musical instruments. No. 45,969; June 16; Gaz. vol. 203; p. 896.
- Sidney Blumenthal & Company. (See Blumenthal, Sidney, assignor.)
- Siegel, Rothschild & Co. (See Doty, Edward J., assignor.)
- Sikorski, Clarence, Dayton, Ohio. Escutcheon-plate. No. 46,350; Sept. 1; Gaz. vol. 206; p. 288.
- Silex Co., The. (See Behrend, Gerhard, assignor.)
- Simenson, Axel M., Cooperstown, N. D. Combined shelf and clothes-rack. No. 46,187; July 28; Gaz. vol. 204; p. 1320.
- Simeon L. and George H. Rogers Co., The. (See Myers, Burton D., assignor.)
- Simms, Charles F., Attleboro, Mass. Handle for spoons, forks, or similar articles. No. 45,159; Jan. 13; Gaz. vol. 198; p. 481.
- Simpson, Byron J., and H. L. Manderville, Willow, Cal. Attachment for automobile radiator-tops. No. 45,275; Feb. 17; Gaz. vol. 199; p. 913.
- Simpson, Edward F., Jr., Oak Lane, assignor to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Tool-handle. No. 45,435; Mar. 17; Gaz. vol. 200; p. 834.
- Singleton, Harry E., assignor to B. E. Lockwood, Providence, R. I. Clasp. No. 46,009; June 23; Gaz. vol. 203; p. 1230.
- Sins, Emile, Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. Nos. 46,606-12; Oct. 27; Gaz. vol. 207; p. 1218.
- Sloan, Augustus K., Brooklyn, N. Y. Binding-post. No. 45,358; Mar. 3; Gaz. vol. 200; p. 250.
- Smith, Audus N., Morristown, Tenn. Combination window-shade fastener and curtain-pole bracket. No. 46,297; Aug. 18; Gaz. vol. 205; p. 984.
- Smith, Bernard O., Oelwein, Iowa. Intake-manifold for gasoline-engines. No. 46,034; June 30; Gaz. vol. 203; p. 1525.
- Smith, Bronson H. (See Francis and Smith.)
- Smith, Bryan H., assignor to Clarence Whitman & Co. Inc., New York, N. Y. Cotton pongee shirting. Nos. 46,371-5; Sept. 8; Gaz. vol. 206; pp. 562-3.
- Smith, Charles E., assignor to Landers, Frary & Clark, New Britain, Conn. Stand for heated utensils. No. 45,970; June 16; Gaz. vol. 203; p. 896.
- Smith, David D., Chicago, Ill. Toy music-box. No. 45,729; May 5; Gaz. vol. 202; p. 289.
- Smith, Edwin D., St. Louis, Mo. Lamp-post. No. 46,514; Oct. 6; Gaz. vol. 207; p. 270.
- Smith, Hanna E., Williamsport, Pa. Brush. No. 46,754; Dec. 8; Gaz. vol. 209; p. 659.
- Smith, Harry R., Lakewood, Ohio. Tire. No. 45,498; Mar. 24; Gaz. vol. 200; p. 1091.
- Smith, Karl D., assignor to Union Steam Pump Company, Battle Creek, Mich. Base for pumps. No. 45,822; May 19; Gaz. vol. 202; p. 924.
- Smith, Joseph R., assignor to The Waterbury Button Company, Waterbury, Conn. Emblem. No. 45,896; June 2; Gaz. vol. 203; p. 277.
- Smith, Michael H., assignor to Auto Metal Company, Springfield, Mass. Automobile-top. No. 45,544; Mar. 31; Gaz. vol. 200; p. 1360.
- Smith, Robert C., Oak Park, Ill. Dial-case for liquid-gages. No. 45,160; Jan. 13; Gaz. vol. 198; p. 481.
- Smith, Winfield D., and R. J. Bourgeois, Chicago, Ill., assignors to W. D. Smith Silver Co. Dish. No. 46,453; Sept. 22; Gaz. vol. 206; p. 1144.
- Sneden, Albert T., Closter, N. J. Insecticide or other box. No. 46,755; Dec. 8; Gaz. vol. 209; p. 659.
- Snell, John A., Ingram, assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Lamp-shade. No. 45,771; May 12; Gaz. vol. 202; p. 607.
- Söderblom, Albert, Lakefield, Minn. Picture-frame. No. 46,454; Sept. 22; Gaz. vol. 206; p. 1144.
- Soley, Frank, assignor to Miller Lock Co., Philadelphia, Pa. Padlock. No. 46,103; July 14; Gaz. vol. 204; p. 649.
- Sommer, John L., Newark, N. J. Handle for ice-picks. No. 45,499; Mar. 24; Gaz. vol. 200; p. 1091.
- Sommer, John L., Newark, N. J., assignor to J. L. Sommer Manufacturing Co. Bottle-opener. No. 45,678; Apr. 28; Gaz. vol. 201; p. 1185.
- Sommer, John L., Newark, N. J., assignor to J. L. Sommer Manufacturing Co. Bottle-opener. No. 46,298; Aug. 18; Gaz. vol. 205; p. 984.
- Sommer, John L., Newark, N. J., assignor to J. L. Sommer Manufacturing Co. Eyeglass screw-driver. No. 46,703; Nov. 24; Gaz. vol. 208; p. 1331.
- Sommer, John L., and T. Harding, Newark, N. J., assignors to J. L. Sommer Manufacturing Co. Combined bottle-opener and cake-turner. No. 46,702; Nov. 24; Gaz. vol. 208; p. 1131.
- Sonerin, Daniel N., Chicago, Ill. Shoe. No. 46,625; Nov. 3; Gaz. vol. 208; p. 307.
- Sparks, Hovey J., St. Louis, Mo. Sanitary bacon-hanger. No. 45,730; May 5; Gaz. vol. 202; p. 290.
- Speakman, Willard A., Wilmington, Del. Bath water-distributing fixture. No. 45,574; Apr. 7; Gaz. vol. 201; p. 243.
- Specht, Adolph A., assignor to Gem City Stove Manufacturing Company, Quincy, Ill. Heating-stove. No. 45,129; Jan. 6; Gaz. vol. 198; p. 219.
- Speck, Emil. (See MacLaren and Speck.)
- Spencer, Robert, South Orange, N. J. Electric lamp and shelf. No. 46,718; Dec. 1; Gaz. vol. 209; p. 310.
- Spring, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 45,500-2; Mar. 24; Gaz. vol. 200; p. 1091.
- Spring, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 45,510; Mar. 24; Gaz. vol. 200; p. 1093.
- Spring, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 45,971-3; June 16; Gaz. vol. 203; p. 896.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 45,503-5; Mar. 24; Gaz. vol. 200; pp. 1091-2.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 45,506; Mar. 24; Gaz. vol. 200; p. 1092.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Rug. No. 45,507; Mar. 24; Gaz. vol. 200; p. 1092.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 45,508; Mar. 24; Gaz. vol. 200; p. 1092.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Rug. No. 45,509; Mar. 24; Gaz. vol. 200; p. 1092.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 45,656-7; Apr. 21; Gaz. vol. 201; p. 871.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 46,552-3; Oct. 13; Gaz. vol. 207; p. 588.
- Springer, Fred A., assignor to Mianus Manufacturing Company, Inc., Coscob, Conn. Cloaking. No. 45,897; June 2; Gaz. vol. 203; p. 277.
- Springfield Metallic Casket Company, The. (See Hiser, Charles H., assignor.)
- St. Clair Manufacturing Company, The. (See Mumma, Ira, assignor.)
- St. Louis Brass Manufacturing Company. (See Owen, Raymond V., assignor.)
- Stafford Auto Lamp & Number Company. (See Stafford, Fredrick S., assignor.)
- Stafford, Fredrick S., assignor to Stafford Auto Lamp & Number Company, Chicago, Ill. Vehicle-lamp. No. 46,455; Sept. 22; Gaz. vol. 206; p. 1144.
- Standard Baking Company. (See Flagstad, Peter C., assignor.)
- Standard Engraving and Cut Glass Company. (See Carlson, Albin, assignor.)
- Standard Gramophone Appliance Company. (See Kirkman, Thomas W., assignor.)
- Standard Wall Paper Co. (See Walenta, Edmund J., Sr., assignor.)
- Standerford, Andrew N., Kokomo, Ind. Dish. No. 45,679; Apr. 28; Gaz. vol. 201; p. 1185.
- Stanley Rule & Level Company, The. (See Bodmer, Christian, assignor.)
- Staub, Marie C., Worcester, Mass. Metal or similar article. No. 46,376; Sept. 8; Gaz. vol. 206; p. 563.
- Stearns, Harry B., Oakland, Cal. Built-in combined china-closet and writing-desk. No. 46,351; Sept. 1; Gaz. vol. 206; p. 288.
- Stearns, Mabel J., New York, assignor to Parker, Stearns & Company, Brooklyn, N. Y. Rubber bathing-cap. No. 45,658; Apr. 21; Gaz. vol. 201; p. 871.
- Stedman, Alonzo W., Camden, N. J. Hinge. No. 45,823; May 19; Gaz. vol. 202; p. 924.
- Steer, Ernest D., New Haven, assignor to The Old Colony Mfg. Co., Hamden, Conn. Fabric cover for water-bottles. No. 46,704; Nov. 24; Gaz. vol. 208; p. 1331.
- Steffens-Amberg Co., The. (See Fox, Thomas A., assignor.)
- Steimer, Edward W., Dubois, Pa. Device for fastening clothes-lines. No. 46,326; Aug. 25; Gaz. vol. 205; p. 1296.
- Steinman, Edmund A., Chicago, Ill. Trimming for metal bedsteads. No. 45,736; May 5; Gaz. vol. 202; p. 290.
- Stephens, James S., Chicago, Ill. Vehicle-body. No. 46,327; Aug. 25; Gaz. vol. 205; p. 1296.
- Sterling Casket Hardware Company. (See Bailey, George R., assignor.)
- Sterling Machine & Stamping Company, The. (See Clisby, Verne W., assignor.)
- Stewart, Edward B., assignor to Western Casket Hardware Company, Elgin, Ill. Casket-handle. No. 45,606; Apr. 14; Gaz. vol. 201; p. 538.
- Stewart, J. W. (See Bacharach, Lucien, assignor.)

- Stewart, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Temperature-indicator. No. 45,575; Apr. 7; Gaz. vol. 201; p. 243.
- Stewart, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Air-pump casing. No. 45,974; June 16; Gaz. vol. 203; p. 897.
- Stewart-Warner Speedometer Corporation. (See Burton, Robert N., assignor.)
- Stewart-Warner Speedometer Corporation. (See Larson, Edward A., assignor.)
- Stewart-Warner Speedometer Corporation. (See Stewart, John K., assignor.)
- Stewart, Will T., Opelousas, La. Key-wrench, bottle-cap opener, and key-ring. No. 46,269; Aug. 11; Gaz. vol. 205; p. 631.
- Sticher, Christian, Leipzig, Germany, assignor to R. Gaertner, New York, N. Y. Article of manufacture. Nos. 45,659-60; Apr. 21; Gaz. vol. 201; pp. 870-1.
- Stifel, Arthur C., Wheeling, W. Va. Printed denim. No. 45,161; Jan. 13; Gaz. vol. 198; p. 481.
- Stifel, Edward W. (See Klemm and Stifel.)
- Stifel, Edward W., Wheeling, W. Va. Printed denim. No. 45,162; Jan. 13; Gaz. vol. 198; p. 481.
- Stimpson, Estelle H. (See Stimpson, Walter F., assignor.)
- Stimpson, Walter F., assignor to E. H. Stimpson, Detroit, Mich. Scale-frame. No. 45,661; Apr. 21; Gaz. vol. 201; p. 871.
- Stiniste, Joseph, Westfield, Mass., assignor to The Pope Manufacturing Company, Hartford, Conn. Bicycle-frame. No. 45,314; Feb. 24; Gaz. vol. 199; p. 1218.
- Stohr, Samuel, assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 46,328; Aug. 25; Gaz. vol. 205; p. 1296.
- Stough, Turney G., Jeannette, Pa. Confection-container. No. 46,626; Nov. 3; Gaz. vol. 208; p. 308.
- Stough, Turney G., Jeannette, Pa. Confection-receptacle. No. 46,705; Nov. 24; Gaz. vol. 208; p. 1331.
- Stough, William H., Canton, Ohio. Sheet metal. No. 46,456; Sept. 22; Gaz. vol. 206; p. 1144.
- Stransky, Maurice, Mount Vernon, N. Y. Hanger or similar article. No. 45,315; Feb. 24; Gaz. vol. 199; p. 1218.
- Straus & Sons, L. (See Rampfel, Henry, assignor.)
- Straus & Sons, L. (See Zahn, Emanuel, assignor.)
- Strauss & Co. (See Yaeger, William, assignor.)
- Strietelmeier, John E., Cincinnati, Ohio. Wheel. No. 46,035; June 30; Gaz. vol. 203; p. 1526.
- Strietelmeier, John E., assignor to The Ideal Wheel Company, Cincinnati, Ohio. Wheel. No. 45,844; May 26; Gaz. vol. 202; p. 1234.
- Strobel, George P., New York, N. Y. Table. Nos. 46,377-8; Sept. 8; Gaz. vol. 206; p. 563.
- Strong, James B., Hilburn, N. Y. Cable-rack hanger. No. 45,918; June 9; Gaz. vol. 203; p. 577.
- Strong, James H., assignor to Gill Brothers Company, Steubenville, Ohio. Shade. No. 46,379; Sept. 8; Gaz. vol. 206; p. 564.
- Stroock, Bertram A., New York, assignor to Stroock Plush Company, Newburgh, N. Y. Plush fabric. No. 46,352; Sept. 1; Gaz. vol. 206; p. 288.
- Stroock Plush Company. (See Stroock, Bertram A., assignor.)
- Struogis, Vincent, New York, N. Y. Flag or similar article. No. 45,731; May 5; Gaz. vol. 202; p. 290.
- Stucky, Edwin R., Louisville, Ky., assignor to Autosales Gum & Chocolate Company, New York, N. Y. Glass display-jar. No. 45,898; June 2; Gaz. vol. 203; p. 278.
- Stutson, Thomas E., Newton, Mass. Doll. No. 46,515; Oct. 6; Gaz. vol. 207; p. 270.
- Sunseri, Joseph, Patton, Pa. Window shade and curtain support. No. 45,772; May 12; Gaz. vol. 202; p. 607.
- Suplee, Reeve, Whiting Company *et al.* (See Seitz, Otto E. J., assignor.)
- Supplee, Samuel G., East Orange, N. J. Surgical tray. No. 46,010; June 23; Gaz. vol. 203; p. 1230.
- Sutton, William S., assignor to Houston Manufacturing Company, Rockford, Ill. Frame for vacuum-cleaners. No. 45,405; Mar. 10; Gaz. vol. 200; p. 557.
- Swanson, Guss A., Seattle, Wash. Building-block. No. 46,706; Nov. 24; Gaz. vol. 208; p. 1332.
- Swartz Electric Co. (See Swartz, Ira T., assignor.)
- Swartz, Ira T., assignor to Swartz Electric Co., Indianapolis, Ind. Pedestal for electric switchboards. No. 46,811; Dec. 29; Gaz. vol. 209; p. 1670.
- Sweers, Riley, Toledo, Ohio. Holder for resilient dishes. No. 45,607; Apr. 14; Gaz. vol. 201; p. 539.
- Sweet, Charles O., Attleboro, Mass., assignor to C. O. Sweet and Son Company. Badge or similar article. No. 45,406; Mar. 10; Gaz. vol. 200; p. 557.
- Sweet, Ervin V., Attleboro, Mass., assignor to C. O. Sweet and Son Company. Bracelet. No. 45,163; Jan. 13; Gaz. vol. 198; p. 481.
- Sweet, Ervin V., Attleboro, Mass., assignor to C. O. Sweet and Son Company. Pin, brooch, or similar article. Nos. 46,756-60; Dec. 8; Gaz. vol. 209; p. 659.
- Sweet, Ervin V., Attleboro, Mass., assignor to L. L. Less, San Francisco, Cal. Badge or similar article. Nos. 46,036-9; June 30; Gaz. vol. 203; p. 1526.
- Symonds, Herbert W., St. Louis, Mo. Hot-air register. No. 45,316; Feb. 24; Gaz. vol. 199; p. 1219.
- Szczepanski, Antoni, McKees Rocks, Pa. Jacket. No. 46,812; Dec. 29; Gaz. vol. 209; p. 1670.
- Szotak, John, and C. Balazs, Elizabeth, N. J. Fly-trap. No. 46,457; Sept. 22; Gaz. vol. 206; p. 1145.
- Tanaka, Shugo, Chicago, Ill. Pillow-cover. No. 46,329; Aug. 25; Gaz. vol. 205; p. 1296.
- Taylor, Houston, Birmingham, Ala. Guide for business systems. No. 46,654; Nov. 17; Gaz. vol. 208; p. 955.
- Taylor, John L., assignor to Harry D. Yerxa, Chicago, Ill. Casing for vending-machines. No. 45,697; Apr. 28; Gaz. vol. 201; p. 1189.
- Team, Edna Z., Camden, S. C. Pen-wiper. No. 46,188; July 28; Gaz. vol. 204; p. 1320.
- Teitelbaum, Adolph, New York, N. Y. Case for clocks or other articles. No. 46,138; July 21; Gaz. vol. 204; p. 981.
- Templin, William, Glenellyn, Ill. Stand for books. No. 46,458; Sept. 22; Gaz. vol. 206; p. 1145.
- Ten Broeck Tyre Company. (See Green, George W., assignor.)
- Thamm, Rose, Berkeley, Cal. Napkin-holder. No. 45,436; Mar. 17; Gaz. vol. 200; p. 834.
- Thamm, Rose, Berkeley, Cal. Garment-hanger. No. 45,437; Mar. 17; Gaz. vol. 200; p. 834.
- Thamm, Rose, Berkeley, Cal. Napkin-holder. No. 45,576; Apr. 7; Gaz. vol. 201; p. 243.
- Theo. A. Kochs Co. (See Pfanschmidt, Charles, assignor.)
- Theo. Tiedemann & Sons. (See Dornbusch, Josef, assignor.)
- Thomas, Imogen N., Troy, N. Y. Carbonator. No. 45,511; Mar. 24; Gaz. vol. 200; p. 1093.
- Thomas Savill's Sons. (See Savill, Robert G., assignor.)
- Thompson, Edward A., Cloverdale, Cal. File-cabinet. No. 45,359; Mar. 3; Gaz. vol. 200; p. 250.
- Thompson, Knight H., assignor to D. W. Cummins, Shelby, Ohio. Vehicle-lamp. No. 45,545; Mar. 31; Gaz. vol. 200; p. 1361.
- Thompson, Ralph C., Attleboro, Mass. Badge with ribbon cord and slide. No. 45,164; Jan. 13; Gaz. vol. 198; p. 482.
- Thompson, Ralph C., Attleboro, Mass. Handle for pierced spoons, forks, or similar articles. No. 45,512; Mar. 24; Gaz. vol. 200; p. 1093.
- Thompson, Ralph C., Attleboro, Mass. Emblem. No. 45,824; May 19; Gaz. vol. 202; p. 925.
- Thompson, Ralph C., Attleboro, Mass. Medal. No. 46,299; Aug. 18; Gaz. vol. 205; p. 985.
- Thompson, Russell D. A., Beaver, Pa., assignor to Gill Brothers Company, Steubenville, Ohio. Shade-bowl. No. 45,243; Feb. 10; Gaz. vol. 199; p. 579.
- Thomson, William S., assignor to The H. D. Smith & Company, Plantsville, Conn. Gas-pliers member. No. 45,919; June 9; Gaz. vol. 203; p. 577.
- Thomson, William S., assignor to The H. D. Smith & Company, Plantsville, Conn. Solid wrench. No. 46,189; July 28; Gaz. vol. 204; p. 1321.
- Thos. Cusack Co. (See Hopkins and Painter, assignors.)
- Thos. Cusack Company. (See Hammond, John G., assignor.)
- Thurber, Frederick B., assignor to Tilden-Thurber Corporation, Providence, R. I. Shaving-brush handle. Nos. 46,139-45; July 21; Gaz. vol. 204; pp. 981-2.
- Thurmond, Walter J., Columbus, Ga. Fireplace. No. 46,516; Oct. 6; Gaz. vol. 207; p. 270.
- Tibbals, Walter H., Syracuse, N. Y. Casing for hand fire-extinguishers. No. 46,011; June 23; Gaz. vol. 203; p. 1230.
- Tice, Herbert C., Newburgh, N. Y. Flagstaff-holder. No. 46,417; Sept. 15; Gaz. vol. 206; p. 851.
- Tideman, Henry, Menominee, Mich. Table-fan. No. 46,731; Dec. 15; Gaz. vol. 209; p. 1029.
- Tiedemann & Sons, Theo. (See Casaretto, Robert, assignor.)
- Tiffany, Louis C., New York, N. Y. Lamp-shade. No. 45,205; Feb. 3; Gaz. vol. 199; p. 272.
- Tilden-Thurber Corporation. (See Thurber, Frederick B., assignor.)
- Tillmanns, Carl W., Utica, N. Y. Handle of knives. No. 45,546; Mar. 31; Gaz. vol. 200; p. 1361.
- Tillmanns, Carl W., Utica, N. Y. Knife-handle. No. 46,583; Oct. 20; Gaz. vol. 207; p. 895.
- Timke, Frederick H., assignor to John Kroder and Henry Reubel Co., New York, N. Y. Rubber mat-binding. No. 45,130; Jan. 6; Gaz. vol. 198; p. 219.
- Tirevol, Aristides. (See Aronis and Tirevol.)
- Titchener, Charles E., Binghamton, N. Y. Automobile or carriage bow-separator. Nos. 45,131-2; Jan. 6; Gaz. vol. 198; p. 220.
- Titsworth, Edith D., Fairfield, Conn. Character-doll. No. 45,244; Feb. 10; Gaz. vol. 199; p. 579.
- Tobias, John M., Pittsburgh, Pa. Gas-stove. No. 45,245; Feb. 10; Gaz. vol. 199; p. 579.
- Todd, Robert R., Brookneal, Va. Spool-holder. No. 46,517; Oct. 6; Gaz. vol. 207; p. 271.
- Toledo Scale Company. (See Reeves, Orwell C., assignor.)
- Tomka, George, and S. Varga, South Bethlehem, Pa. Sign. No. 46,584; Oct. 20; Gaz. vol. 207; p. 896.

Alphabetical list of patentees of designs—Continued.

- Trabold, Frank W., assignor to J. H. Williams & Co., Brooklyn, N. Y. Automobile tire-tool. No. 46,782; Dec. 15; Gaz. vol. 209; p. 1029.
- Trask, Philip, Yonkers, N. Y. Badge. No. 46,585; Oct. 20; Gaz. vol. 207; p. 896.
- Traylor, Josiah C., Edna, Tex. Flower-pot. No. 46,645; Nov. 10; Gaz. vol. 208; p. 629.
- Treiber, Theodore R. (See Johnson, Joseph W., assignor.)
- Treiber, Theodore R., Kansas City, Mo. Display-cabinet. No. 46,380; Sept. 8; Gaz. vol. 206; p. 564.
- Treiber, Theodore R., and J. W. Johnson, Kansas City, Mo. Pool-table pocket. No. 46,190; July 28; Gaz. vol. 204; p. 1321.
- Trigg, Walter R., Rockford, Ill. Monument. Nos. 46,071-2; July 7; Gaz. vol. 204; p. 288.
- Trigg, Walter R., Rockford, Ill. Monument. No. 46,191; July 28; Gaz. vol. 204; p. 1321.
- Triplex Manufacturing Co. (See Huber, Charles, assignor.)
- Troutman, Perle E., Kansas City, Kans. Oil stove or burner. No. 45,246; Feb. 10; Gaz. vol. 199; p. 579.
- True, Charles H., Hammond, Ind., assignor to Locomotive Superheater Company, New York, N. Y. Casting-die for grinding-tools. No. 46,459; Sept. 22; Gaz. vol. 206; p. 1145.
- Tucker, Nellie M., Sacramento, Cal. Stove-mat. No. 46,586; Oct. 20; Gaz. vol. 207; p. 896.
- Turckheim, Edouard H. F. de, Paris, France. Motor-car bonnet. No. 45,329; Mar. 3; Gaz. vol. 200; p. 245.
- Turckheim, Edouard H. F. de, Paris, France. Bonnet for automobile vehicles. No. 46,484; Sept. 29; Gaz. vol. 206; p. 1418.
- Turner, Albert, assignor to International Silver Co., Meriden, Conn. Cut-glass vessel. No. 45,276; Feb. 17; Gaz. vol. 199; p. 914.
- Turner, Atherton and Company. (See Turner, William E., assignor.)
- Turner, Charles G., Grand Rapids, Mich. Emblem. No. 46,485; Sept. 29; Gaz. vol. 206; p. 1418.
- Turner, William E., assignor to Turner, Atherton and Company, Limited, Denton, England. Rubber bag for hat-brim-press machines. No. 45,975; June 16; Gaz. vol. 203; p. 897.
- Twombly, Willard I., New York, N. Y. Vehicle-body. No. 46,146; July 21; Gaz. vol. 204; p. 983.
- Tyrrell, Ralph, Cleveland, Ohio. Rubber matting. No. 46,761; Dec. 8; Gaz. vol. 209; p. 659.
- Ullin, Charles O., assignor to McCray Refrigerator Company, Kendallville, Ind. Refrigerator. No. 46,381; Sept. 8; Gaz. vol. 206; p. 564.
- Ullin, Charles O., assignor to McCray Refrigerator Company, Kendallville, Ind. Refrigerator. No. 46,707; Nov. 24; Gaz. vol. 208; p. 1332.
- Underwood, Earl, New York, N. Y., assignor to Krementz & Co., Newark, N. J. Cuff-button tray. No. 45,438; Mar. 17; Gaz. vol. 200; p. 835.
- Ungemach, Leo, Schiltigheim, near Strassburg, Germany. Box. No. 46,353; Sept. 1; Gaz. vol. 206; p. 288.
- Union Steam Pump Company. (See Smith, Karl D., assignor.)
- United Drug Company. (See Williams, Fred O., assignor.)
- United Shoe Machinery Company. (See Heys, John J., assignor.)
- United States Glass Company. (See Haley, Reuben, assignor.)
- United States Tire Company. (See Nichols and McMahan, assignors.)
- Vail, John W., Chicago, Ill. Bedstead-fitting. No. 45,360; Mar. 3; Gaz. vol. 200; p. 250.
- Vaile-Kimes Company, The. (See Kimes, Hugh W., assignor.)
- Valenzuela, Bernard, Oakland, Cal. Combined button-hook and bottle-opener. No. 46,382; Sept. 8; Gaz. vol. 206; p. 564.
- Van Buren, Jafew S., Albany, N. Y., assignor to Abram Cox Stove Company, Philadelphia, Pa. Combined gas and coal range. No. 45,662; Apr. 21; Gaz. vol. 201; p. 871.
- Van den Plas, Antoine, Brussels-Cinquantenaire, Belgium. Mud-guard. No. 45,773; May 12; Gaz. vol. 202; p. 607.
- Van Dusen & Stokes Co. (See Shepard, Raymond H., assignor.)
- Van Essen, George C. (See Goldstein and Van Essen.)
- Van Raalts, Zealie, New York, N. Y. Net veiling. No. 46,067; July 7; Gaz. vol. 204; p. 288.
- Van Valkenburg, Burt R., Oakland, Cal. Orchestrion-case. No. 45,361; Mar. 3; Gaz. vol. 200; p. 250.
- Varga, Sándor. (See Tomka and Varga.)
- Vasek, Michael, Great Neck, N. Y. Picture-frame. No. 46,147; July 21; Gaz. vol. 204; p. 983.
- Vaughan & Bushnell Mfg. Co. (See Graham, Edward M., assignor.)
- Vaughan, Harry L., assignor to Crown Throat & Opener Company, Chicago, Ill. Bottle-opener. No. 46,762; Dec. 8; Gaz. vol. 209; p. 660.
- Vaughan, Sanford S., Oak Park, Ill. Wood-chisel. No. 45,277; Feb. 17; Gaz. vol. 199; p. 914.
- Vercherre, Rose P. J., Tain, France. Dolly. No. 45,920; June 9; Gaz. vol. 203; p. 578.
- Vermilye, Theodore C., Ontario, and D. B. Hislop, Upland, Cal. Heater. No. 45,439; Mar. 17; Gaz. vol. 200; p. 835.
- Vetter, Ignatius J., New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 45,513; Mar. 24; Gaz. vol. 200; p. 1093.
- Victor, Alexander F., Davenport, Iowa. Supporting-frame and casing for stereopticons. No. 45,133; Jan. 6; Gaz. vol. 198; p. 220.
- Victor Jar Company. (See Elchhorn, Jacob C., assignor.)
- Victor Talking Machine Company. (See Kieffer, Eugene T., assignor.)
- Viragh, Stephen, Swissvale, Pa. Hinge. No. 45,209; Feb. 3; Gaz. vol. 199; p. 273.
- Vogan, Frank M., Canton, Ohio. Sheet metal. Nos. 46,518-19; Oct. 6; Gaz. vol. 207; p. 271.
- Voshardt, Herman F., assignor to Friedley-Voshardt Company, Chicago, Ill. Lamp shade and reflector. No. 46,418; Sept. 15; Gaz. vol. 206; p. 851.
- W. & B. Douglas. (See Lindquist, Eric A., assignor.)
- W. D. Smith Silver Co. (See Smith and Bourgeois, assignors.)
- W. H. Saart Company, The. (See Saart, William H., assignor.)
- Waite Grass Carpet Company. (See Waite, Ossian T., assignor.)
- Waite, Ossian T., assignor to Waite Grass Carpet Company, Oshkosh, Wis. Grass rug or carpet. No. 46,148; July 21; Gaz. vol. 204; p. 983.
- Waltzfelder, Albert S., New York, N. Y. Necktie. No. 45,278; Feb. 17; Gaz. vol. 199; p. 914.
- Walberg, Oscar P., Kimball, Minn. Inkstand. No. 46,520; Oct. 6; Gaz. vol. 207; p. 271.
- Walcutt Brothers Company. (See Weiss, Roger, assignor.)
- Waldes & Company. (See Williams, Walter M., assignor.)
- Waldman, William, assignor to The S. Herbert Cut Glass Company, New York, N. Y. Artificial flower. No. 46,397; Sept. 15; Gaz. vol. 206; p. 847.
- Walenta, Edmund J., Sr., Philadelphia, Pa., assignor to Standard Wall Paper Co., Hudson Falls, N. Y. Wallpaper. No. 45,681; Apr. 28; Gaz. vol. 201; p. 1185.
- Walker, Edwin, Erie, Pa. Bottle-cap remover. No. 46,149; July 21; Gaz. vol. 204; p. 983.
- Walklett, Frederick T., Tunstall, England, assignor to R. Gaertner, New York, N. Y. Article of manufacture. Nos. 46,073-6; July 7; Gaz. vol. 204; p. 289.
- Wallace, Henry L., Wallingford, Conn. Spoon, fork, or similar article. No. 46,708; Nov. 24; Gaz. vol. 208; p. 1332.
- Wallis Tractor Company. (See Hendrickson and Eason, assignors.)
- Walsh, James, Portland, Oreg. Electric-lighting fixture. No. 45,210; Feb. 3; Gaz. vol. 199; p. 273.
- Waltensperger, Alexander L., Detroit, Mich. Closet-seat. No. 45,134; Jan. 6; Gaz. vol. 198; p. 220.
- Waltensperger, Alexander L., Detroit, Mich. Closet-seat. No. 45,732; May 5; Gaz. vol. 202; p. 290.
- Walter, Elmer E., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate. No. 46,077; July 7; Gaz. vol. 204; p. 290.
- Walton, Jerrold F., Sturgis, Mich. Chair-back. No. 45,279; Feb. 17; Gaz. vol. 199; p. 914.
- Walton, Jerrold F., Sturgis, Mich. Chair-back. No. 45,663; Apr. 21; Gaz. vol. 201; p. 871.
- Walton, Moses S., Los Angeles, Cal. Farm-tractor body. No. 46,709; Nov. 24; Gaz. vol. 208; p. 1332.
- Walton, Moses S., and W. B. Joslyn, Los Angeles, Cal. Motor-truck body. No. 46,554; Oct. 13; Gaz. vol. 207; p. 588.
- Wanner, Albert, Jr., New York, N. Y. Furniture-brace. Nos. 46,460-2; Sept. 22; Gaz. vol. 206; pp. 1145-6.
- Wanner, Edwin P., New York, N. Y. Furniture-brace. No. 46,587; Oct. 20; Gaz. vol. 207; p. 896.
- Ward, Ashley F., assignor to The A. F. Ward Machinery Co., Boston, Mass. Loaf of biscuit. Nos. 45,899-900; June 2; Gaz. vol. 203; p. 278.
- Wardwell Braiding Machine Company. (See Wardwell, Simon W., assignor.)
- Wardwell, Simon W., Providence, R. I., assignor to Wardwell Braiding Machine Company, Portland, Me. Twine-holder. Nos. 46,078-9; July 7; Gaz. vol. 204; p. 290.
- Warner, Alonzo A., assignor to Landers, Frary & Clark, New Britain, Conn. Electric radiator. No. 45,317; Feb. 24; Gaz. vol. 199; p. 1219.
- Warner, Joseph, New York, N. Y. Fern-dish. No. 46,012; June 23; Gaz. vol. 203; p. 1231.
- Warnick, William, and H. L. Leilich, Delphos, Ohio. Brooder-coop. No. 45,774; May 12; Gaz. vol. 202; p. 607.
- Warren, Henry E., assignor to Mac-It-Parts Company, Lancaster, Pa. Wrench. No. 45,165; Jan. 13; Gaz. vol. 198; p. 482.
- Washburn, James M., Chicago, Ill. Holder or support for cards, pictures, and the like. Nos. 45,845-6; May 26; Gaz. vol. 202; p. 1234.

- Waterbury Button Company, The. (See Smith, Joseph R., assignor.)
- Watkins, Howard E., Summit, N. J. Globe or similar article. Nos. 45,775-8; May 12; Gaz. vol. 202; p. 608.
- Weatherby, Sidney M., Philadelphia, Pa. Font of type. No. 45,608; Apr. 14; Gaz. vol. 201; p. 539.
- Webb, George L., Crestwood, Ky. Kitchen-rack. No. 46,150; July 21; Gaz. vol. 204; p. 983.
- Webster, Albert E. (See McDonagh and Webster.)
- Weddle, Harold, New York, N. Y. Tea-box. No. 46,763; Dec. 8; Gaz. vol. 209; p. 660.
- Weeks, Frank A., Plainfield, N. J. Inkstand. No. 45,779; May 12; Gaz. vol. 202; p. 608.
- Weil, Henry, New York, N. Y. Pillow-top. Nos. 46,192-3; July 28; Gaz. vol. 204; p. 1321.
- Weilert, Carl, Chicago, Ill. Drapery. No. 46,613; Oct. 27; Gaz. vol. 207; p. 1219.
- Weilert, Carl, assignor to E. L. Mansure Company, Chicago, Ill. Valance. No. 46,194; July 28; Gaz. vol. 204; p. 1322.
- Weinhardt, Joseph, Jr., St. Louis, Mo. Douche-pan. No. 46,486; Sept. 29; Gaz. vol. 206; p. 1419.
- Weir, James L., Chatham, Ontario, Canada. Collar-spacer. No. 46,151; July 21; Gaz. vol. 204; p. 983.
- Weiss, Roger, Brooklyn, assignor to Walcutt Brothers Company, New York, N. Y. Wall covering, frieze, border, or similar article. No. 45,577; Apr. 7; Gaz. vol. 201; p. 243.
- Welles, Richard H., assignor to Badger Brass Mfg. Co., Kenosha, Wis. Tail-lamp. No. 46,270; Aug. 11; Gaz. vol. 205; p. 631.
- Wellington Glass Company, The. (See Beam, Charles C., assignor.)
- Wendt, Henry W., assignor to Buffalo Forge Co., Buffalo, N. Y. Blower-gear casing. No. 46,152; July 21; Gaz. vol. 204; p. 984.
- Wesson, Joseph H., Springfield, Mass. Pistol. No. 45,825; May 19; Gaz. vol. 202; p. 925.
- West Coast Roofing and Manufacturing Company, The. (See Goldberg, Solomon H., assignor.)
- West, Harry H., Plymouth, Pa. Hose. No. 46,627; Nov. 3; Gaz. vol. 208; p. 308.
- West, Ralph H., Cleveland, Ohio. Cast-metal wheel for power-vehicles. No. 46,710; Nov. 24; Gaz. vol. 208; p. 1332.
- Westerdale, Jesse W., Gaylord, Kans. Corner-piece and photographic display-cabinet. No. 45,578; Apr. 7; Gaz. vol. 201; p. 243.
- Western Casket Hardware Company. (See Stewart, Edward B., assignor.)
- Westinghouse, Church, Kerr & Company. (See Francis and Smith, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Schaafe, William, assignor.)
- Westphal, Gottfried, Brooklyn, N. Y. Reflector. No. 46,711; Nov. 24; Gaz. vol. 208; p. 1332.
- Westphal, Gottfried, Brooklyn, N. Y. Translucent bowl. No. 46,712; Nov. 24; Gaz. vol. 208; p. 1332.
- Wheary, George H., Racine, Wis. Trunk-fixture. No. 45,318; Feb. 24; Gaz. vol. 199; p. 1219.
- Wheaton, Theodore C., Millville, N. J. Bottle. No. 45,826; May 19; Gaz. vol. 202; p. 925.
- Wheeler, Gardner E., assignor to The English & Mersick Company, New Haven, Conn. Automobile radiator-casing. No. 45,440; Mar. 17; Gaz. vol. 200; p. 835.
- Wheeler, Gardner E., assignor to The English & Mersick Company, New Haven, Conn. Automobile radiator-casing. No. 45,609; Apr. 14; Gaz. vol. 201; p. 539.
- Wheeling Sanitary Manufacturing Company. (See Alpaugh, Samuel P., assignor.)
- Whiggett, George, New York, N. Y. Paint-mixer frame. No. 45,215; Feb. 3; Gaz. vol. 199; p. 274.
- Whipple, Clyde S., assignor to A. H. Heisey & Co., Newark, Ohio. Tumbler or similar article. No. 46,646; Nov. 10; Gaz. vol. 208; p. 629.
- Whitall Tatum Company. (See Hogan, Daniel, assignor.)
- Whitbeck, John V., Cleveland, Ohio. Car-body. No. 45,579; Apr. 7; Gaz. vol. 201; p. 244.
- White, John M., New York, assignor to J. H. White Mfg. Co., Brooklyn, N. Y. Hanger for light-reflecting bowls. No. 46,793; Dec. 22; Gaz. vol. 209; p. 1289.
- White, Thomas C., St. Louis, Mo. Insulator. No. 45,172; Jan. 20; Gaz. vol. 198; p. 678.
- White, Wile & Warner. (See Schaefer, Christian, assignor.)
- White, William J., Niagara Falls, N. Y. Box. No. 46,463; Sept. 22; Gaz. vol. 206; p. 1146.
- Whitehouse, Frederick W., Pelham, N. Y. Finger-ring. No. 45,247; Feb. 10; Gaz. vol. 199; p. 579.
- Whitehouse, John N., Newark, N. J. Button. Nos. 46,153-5; July 21; Gaz. vol. 204; p. 984.
- Whitehouse, John N., Newark, N. J. Button. Nos. 46,300-1; Aug. 18; Gaz. vol. 205; p. 985.
- Whitehouse, John N., Newark, N. J. Button. Nos. 46,464-5; Sept. 22; Gaz. vol. 206; p. 1146.
- Whiting Manufacturing Company. (See Osborne, Charles, assignor.)
- Whitmore, Anna E. and P. A., Nokomis, Ill. Dish and fruit simulation. No. 46,383; Sept. 8; Gaz. vol. 206; p. 564.
- Whitmore, Percis A. (See Whitmore, Anna E. and P. A.)
- Whitney, Claire. (See Shively, Emily J., assignor.)
- Whitney Glass Works. (See Whitney and Yost, assignors.)
- Whitney, Roswell A., assignor to Olston Electric Company, Los Angeles, Cal. Electric stove. No. 46,239; Aug. 4; Gaz. vol. 205; p. 275.
- Whitney, Samuel A., Boston, Mass., and C. J. Yost, Wrentham, N. J., assignors to Whitney Glass Works. Ammonia-bottle. No. 45,248; Feb. 10; Gaz. vol. 199; p. 579.
- Wightman & Hough. (See Mix, Henry D., assignor.)
- Wightman and Hough Company. (See Keller, Sidney A., assignor.)
- Wightman and Hough Company. (See Mix, Henry D., assignor.)
- Wigley, John T., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate. No. 45,280; Feb. 17; Gaz. vol. 199; p. 914.
- Wilde, Hadassah, Philadelphia, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum, oil-cloth, or floor-covering. No. 45,135; Jan. 6; Gaz. vol. 198; p. 221.
- Wilkinson, Iona, assignor to Wilkinson Quilt Company, Ligonier, Ind. Quilt. Nos. 46,419-21; Sept. 15; Gaz. vol. 206; p. 851.
- Wilkinson Quilt Company. (See Wilkinson, Iona, assignor.)
- Willard Storage Battery Company, The. (See Norberg, Rudolph C., assignor.)
- Willcox & Gibbs Sewing Machine Co. (See Merritt, Arthur A., assignor.)
- William A. French & Company. (See French, William A., assignor.)
- Williams, Albert J., Robertsdale, Pa. Game-board. No. 45,211; Feb. 3; Gaz. vol. 199; p. 273.
- Williams, Bradford L., Camden, N. J. Rubber-needle massage-brush. No. 45,441; Mar. 17; Gaz. vol. 200; p. 835.
- Williams, Bradford L., Camden, N. J. Hand-operated massage device. No. 46,240; Aug. 4; Gaz. vol. 205; p. 275.
- Williams, Fred O., Brookline, assignor to United Drug Company, Boston, Mass. Hot-water bottle. No. 45,212; Feb. 3; Gaz. vol. 199; p. 274.
- Williams, Fred O., Brookline, assignor to United Drug Company, Boston, Mass. Water-bottle, syringe-bag, or similar article. No. 45,213; Feb. 3; Gaz. vol. 199; p. 274.
- Williams, Fred O., Brookline, assignor to United Drug Company, Boston, Mass. Water-bottle, syringe-bag, or similar article. No. 45,281; Feb. 17; Gaz. vol. 199; p. 914.
- Williams, George M., Elizabeth, N. J. Eyelet. No. 46,487; Sept. 29; Gaz. vol. 206; p. 1419.
- Williams, Gordon, assignor to The English & Mersick Co., New Haven, Conn. Body for automobile-headlights. No. 45,136; Jan. 6; Gaz. vol. 198; p. 221.
- Williams, Walter M., New York, N. Y., assignor to Waldes & Company, Prague-Wrschowitz, Austria-Hungary. Display-case card. No. 46,013; June 23; Gaz. vol. 203; p. 1231.
- Williamson, Daniel E., Dyersburg, Tenn. Bottle. No. 46,271; Aug. 11; Gaz. vol. 205; p. 631.
- Willis, Leland, assignor to Bateman Manufacturing Company, Grenloch, N. J. Potato-planter frame. No. 46,614; Oct. 27; Gaz. vol. 207; p. 1220.
- Wilson, William A. G., assignor to The Artistic Bronze Co., Bridgeport, Conn. Ice-cream-cone holder. No. 46,195; July 28; Gaz. vol. 204; p. 1322.
- Wineberg, Gustav W., Brooklyn, N. Y. Picture-frame. No. 45,173; Jan. 20; Gaz. vol. 198; p. 678.
- Winslow Bros. & Smith Co. (See Brandt, Carl, assignor.)
- Winton, Alexander, Cleveland, Ohio. Frame for a stationary explosion-engine and connected dynamo. No. 46,384; Sept. 8; Gaz. vol. 206; p. 565.
- Winton, Alexander, Cleveland, Ohio. Frame for a marine explosion-engine and transmission-casing. Nos. 46,385-6; Sept. 8; Gaz. vol. 206; p. 565.
- Winton, Alexander, Cleveland, Ohio. Combined frame for explosion-engine and connected dynamo. No. 46,387; Sept. 8; Gaz. vol. 206; p. 565.
- Winton, Alexander, Cleveland, Ohio. Frame for marine explosion-engine and connected transmission-casing. No. 46,388; Sept. 8; Gaz. vol. 206; p. 566.
- Wittstein, Charles T., Newark, N. J. Gem-setting. No. 46,521; Oct. 6; Gaz. vol. 207; p. 271.
- Wm. B. Durgin Co. (See Roberts, Frederick R., Jr., assignor.)
- Wolff, Aaron H., New York, N. Y. Gas-heater. No. 45,214; Feb. 3; Gaz. vol. 199; p. 274.
- Wolfson, Charles D., Brooklyn, assignor to A. A. Vantine & Co. Inc., New York, N. Y. Bottle-stopper. No. 46,488; Sept. 29; Gaz. vol. 206; p. 1419.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Tone-arm for talking-machines. No. 46,302; Aug. 18; Gaz. vol. 205; p. 985.

Alphabetical list of patentees of designs—Continued.

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- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Motor-board for talking-machines. Nos. 46,303-4; Aug. 18; Gaz. vol. 205; p. 986.
- Woodside, Nevin G., Pittsburgh, Pa. Dispensing-receptacle and display-stand. No. 45,362; Mar. 3; Gaz. vol. 200; p. 250.
- Woolner, Clara N. (See Campbell and Woolner.)
- Woolner, Clara N., and J. G. Campbell, Oakland, Cal. Garment. Nos. 46,615-16; Oct. 27; Gaz. vol. 207; p. 1220.
- Worden, Frank A., assignor of one-half to D. D. Pellet, Brawley, Cal. Set of playing-cards. No. 46,764; Dec. 8; Gaz. vol. 209; p. 660.
- Workman, Jacob, Asbury Park, N. J. Vehicle-frame. No. 45,733; May 5; Gaz. vol. 202; p. 290.
- Worthington Ball Company, The. (See Worthington, George C., assignor.)
- Worthington, George C., Elyria, Ohio. Playing-ball. No. 46,783; Dec. 15; Gaz. vol. 209; p. 1029.
- Worthington, George C., assignor to The Worthington Ball Company, Elyria, Ohio. Playing-ball. No. 45,734; May 5; Gaz. vol. 202; p. 290.
- Worthington, George C., assignor to The Worthington Ball Company, Elyria, Ohio. Playing-ball. No. 45,827; May 19; Gaz. vol. 202; p. 925.
- Wright, Charles D., Adrian, Mich. Inverted gas-lamp. No. 45,921; June 9; Gaz. vol. 203; p. 578.
- Yaeger, William, assignor to Strauss & Co., Inc., New York, N. Y. Ticket-booth. No. 45,442; Mar. 17; Gaz. vol. 200; p. 835.
- Yakeley, Le Roy, assignor to J. K. Rush, Syracuse, N. Y. Artificial bait. No. 46,794; Dec. 22; Gaz. vol. 209; p. 1289.
- Yates, Walter D., Somerville, Mass. Syringe-bag. No. 45,901; June 2; Gaz. vol. 203; p. 278.
- Yerxa, Harry D. (See Taylor, John L., assignor.)
- Yost, Charles J. (See Whitney and Yost.)
- Young, Leonard A., Detroit, Mich. Latch-casing. No. 46,305; Aug. 18; Gaz. vol. 205; p. 986.
- Young, Lorin W., New York, N. Y. Lamp-shade. No. 45,137; Jan. 6; Gaz. vol. 198; p. 221.
- Zahn, Emanuel, Blumenbach, Austria-Hungary, assignor to L. Straus & Sons, New York, N. Y. Glass or similar article. No. 46,156; July 21; Gaz. vol. 204; p. 984.
- Ziegler, Alfred M., Boston, assignor to A. Ziegler & Sons Co., Roxbury, Mass. Waist-belt. No. 45,580; Apr. 7; Gaz. vol. 201; p. 244.
- Ziegman, John, Fostoria, Ohio. Broom-holder. No. 46,489; Sept. 29; Gaz. vol. 206; p. 1419.
- Zifferer, Lothar R., New York, N. Y. Expansible shield. No. 46,765; Dec. 8; Gaz. vol. 209; p. 660.
- Zsuzsits, Vinzenz, Aurora, Ill. Bottle. No. 45,780; May 12; Gaz. vol. 202; p. 609.
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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- A. Beller & Co., New York, N. Y. Certain named clothing. No. 95,046; Feb. 3; Gaz. vol. 199; p. 297.
- A. Beller & Co., New York, N. Y. Coats and capes. No. 99,077; Aug. 18; Gaz. vol. 205; p. 1015.
- A. Bourjois & Co. Inc., New York, N. Y. Toilet powders. No. 99,940; Sept. 29; Gaz. vol. 206; p. 1431.
- A. Leschen & Sons Rope Company, St. Louis, Mo. Wire rope. No. 100,712; Oct. 20; Gaz. vol. 207; p. 933.
- A. Mecky & Co., Philadelphia, Pa. Certain named hand and foot propelled vehicles and wheelbarrows. No. 98,798; Aug. 4; Gaz. vol. 205; p. 299.
- A. Schmidt Jr. & Bros. Wine Co., Sandusky, Ohio. Wines. No. 95,366; Feb. 24; Gaz. vol. 199; p. 1240.
- A. Schrader's Son, Incorporated, New York, N. Y. Fluid-pressure gages and indicators. No. 97,788; June 16; Gaz. vol. 203; p. 925.
- A. Schreiber Brewing Company, Buffalo, N. Y. Beer. No. 97,728; June 16; Gaz. vol. 203; p. 923.
- A. Stein & Company, Chicago, Ill. Hose-supporters. No. 99,510; Sept. 1; Gaz. vol. 206; p. 310.
- A. Stieglitz & Co. Inc., New York, N. Y. Hosiery. No. 97,789; June 16; Gaz. vol. 203; p. 925.
- A. Wilhelm Company, The, Reading, Pa. Ready-mixed paint. No. 96,558; Apr. 21; Gaz. vol. 201; p. 900.
- A. Wilhelm Company, The, Reading, Pa. Furniture and floor polishes. No. 100,188; Oct. 6; Gaz. vol. 207; p. 296.
- A. Wittnauer Co., New York, N. Y. Watches and parts and watchcases. Nos. 98,107-8; June 30; Gaz. vol. 203; p. 1554.
- A.-B. Nordiska Filmsfabriken, Stockholm, Sweden. Kinetograph films. No. 95,465; Feb. 17; Gaz. vol. 199; p. 935.
- A. B. Seelye Medical Co., Abilene, Kans. Toilet soap. No. 97,003; May 12; Gaz. vol. 202; p. 629.
- A. B. Shubert, Chicago, Ill. Raw furs. No. 95,673; Mar. 3; Gaz. vol. 200; p. 275.
- A/B B. A. Hjorth & Co., Stockholm, Sweden. Liquid or gaseous fuel heated furnaces, heaters, stoves, forges, and ovens. No. 95,102; Feb. 3; Gaz. vol. 199; p. 299.
- A. B. C. Importation Co., New York, N. Y. Cigarettes. Nos. 99,467-8; Sept. 1; Gaz. vol. 206; p. 308.
- A. C. Lawrence Leather Co., Boston, Mass. Soles for boots and shoes. No. 97,489; June 9; Gaz. vol. 203; p. 596.
- A. C. Lawrence Leather Co., Boston, Mass. Leather. No. 98,297; July 7; Gaz. vol. 204; p. 314.
- A. E. Nettleton Company, Syracuse, N. Y. Shoes. No. 100,600; Oct. 20; Gaz. vol. 207; p. 930.
- A. F. Conery Company, Newark, N. J. Certain named brushes and brooms. No. 100,279; Oct. 20; Gaz. vol. 207; p. 920.
- A. G. Spalding & Bros., New York, N. Y. Implements, apparatus, and articles used in tennis, base-ball, golf, &c. No. 96,361; Apr. 14; Gaz. vol. 201; p. 567.
- A. H. Patch Incorporated, Clarksville, Tenn. Hand grist or grinding mills. No. 95,142; Feb. 3; Gaz. vol. 199; p. 300.
- A. J. Lindemann & Hoverson Co., Milwaukee, Wis. Oil-burning stoves, ranges, heaters, burners, and wicks. No. 100,714; Oct. 20; Gaz. vol. 207; p. 933.
- A. J. Reach Company, Philadelphia, Pa. Base-ball gloves and mitts. No. 97,275; May 26; Gaz. vol. 202; p. 1255.
- A. J. Tower Company, Boston, Mass. Waterproof coats. No. 97,912; June 23; Gaz. vol. 203; p. 1258.
- A. R. Mosler & Co., New York, N. Y. Spark-plugs. No. 95,005; Jan. 20; Gaz. vol. 198; p. 700.
- A. S. Kreider Shoe Co., The, Annville, Pa. Boots and shoes. No. 95,769; Mar. 10; Gaz. vol. 200; p. 578.
- A. & V. Oil Co., Cambridge, Md. Lubricating and cleaning oil. No. 100,145; Oct. 6; Gaz. vol. 207; p. 295.
- A. W. Faber, Stein, near Nuremberg, and Berlin, Germany. Rubber erasers. No. 96,404; Apr. 21; Gaz. vol. 201; p. 895.
- A. W. Faber, Stein, near Nuremberg, Germany. Certain pencils, rubber erasers, and penholders. No. 100,302; Oct. 20; Gaz. vol. 207; p. 921.
- A. W. Harris Oil Co., Providence, R. I. Lubricating-oils. No. 98,146; July 7; Gaz. vol. 204; p. 310.
- A. W. Harris Oil Co., Providence, R. I. Lubricating-oils. No. 98,870; Aug. 4; Gaz. vol. 205; p. 301.
- A. W. Harris Oil Co., Providence, R. I. Lubricating-oils. Nos. 99,096-7; Aug. 18; Gaz. vol. 205; p. 1015.
- A. W. Harris Oil Company. (See Harris, Abraham W., assignor.)
- A. W. Morris Co., New York, N. Y. Dates. No. 99,771; Sept. 15; Gaz. vol. 206; p. 871.
- Aachen Chemical Company, Pierre, S. D., and Chicago, Ill. Antiseptic disinfectant in paste form. No. 101,028; Nov. 10; Gaz. vol. 208; p. 651.
- Aaron Peters Laboratories, Inc., Washington, D. C. Paper towels, diapers, and napkins. No. 98,317; July 7; Gaz. vol. 204; p. 315.
- Abbot Jacket Manufacturing Company, St. Louis, Mo. Workmen's aprons. No. 100,472; Oct. 20; Gaz. vol. 207; p. 926.
- Abbott & Briggs Company, New York, N. Y. Magazines and periodicals, Semimonthly. No. 96,620; Apr. 28; Gaz. vol. 201; p. 1213.
- Abbott & Co., A. Theo., Philadelphia, Pa. Drapery material. No. 98,610; July 28; Gaz. vol. 204; p. 1339.
- Abbott & Company, A. Theodore, Philadelphia, Pa. Silk curtains and piece goods. No. 100,738; Oct. 27; Gaz. vol. 207; p. 1241.
- Abel & Asher Co., Shreveport, La. Coffee. No. 95,189; Feb. 3; Gaz. vol. 199; p. 301.
- Abolisher Chemical Company, Buffalo, N. Y. Cleaning-powder for floors, marble, brass, &c. No. 99,675; Sept. 15; Gaz. vol. 206; p. 869.
- Abram Cox Stove Company, Philadelphia, Pa. Ranges, stoves, and heaters. No. 98,252; July 7; Gaz. vol. 204; p. 313.
- Abrams & Marcus, New York, N. Y. Shirts. No. 100,473; Oct. 20; Gaz. vol. 207; p. 926.
- Abrams & Marcus, New York, N. Y. Shirts. No. 100,575; Oct. 20; Gaz. vol. 207; p. 929.
- Acetylene Apparatus Manufacturing Company, assignor to Oxweld Acetylene Company, Chicago, Ill. Acetylene-generators. No. 95,972; Mar. 31; Gaz. vol. 200; p. 1385.
- Acheson Harden Company, The, New York, N. Y. Handkerchiefs. No. 96,621; Apr. 28; Gaz. vol. 201; p. 1213.
- Acker Merrill & Condit Company, New York, N. Y. Blended coffee. No. 99,531; Sept. 8; Gaz. vol. 206; p. 533.
- Acme Chemical Mfg. Co. Limited, New Orleans, La. Medicinal preparation for blood and skin diseases. No. 101,351; Dec. 8; Gaz. vol. 209; p. 679.
- Acme Milling Co., Oklahoma, Okla. Wheat-flour. No. 97,196; May 26; Gaz. vol. 202; p. 1253.
- Acme Milling Co., Oklahoma, Okla. Wheat-flour. No. 101,116; Nov. 17; Gaz. vol. 208; p. 979.
- Acme Mills, The, Hopkinsville, Ky. Self-rising wheat-flour. No. 98,611; July 28; Gaz. vol. 204; p. 1339.
- Acme Shear Company, Bridgeport, Conn. Scissors and shears. No. 101,352; Dec. 8; Gaz. vol. 209; p. 679.
- Acme White Lead & Color Works, Detroit, Mich. Brushes for painters' use. No. 94,847; Jan. 13; Gaz. vol. 198; p. 489.
- Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Remedy for certain named diseases. No. 100,071; Oct. 6; Gaz. vol. 207; p. 293.
- Adams, Earley W., Philadelphia, Pa. Candy. No. 95,190; Feb. 3; Gaz. vol. 199; p. 301.
- Adams, James E., Boston, Mass. Certain named footwear for men, boys, youths, women, misses, and children. No. 95,280; Feb. 10; Gaz. vol. 199; p. 611.
- Adams, Hampton L., Dalhart, Tex. Coffee substitute. No. 97,105; May 19; Gaz. vol. 202; p. 947.
- Adiposa Company, The, Chicago, Ill. Massage-cream and medicines to aid nutrition, &c. No. 98,452; July 21; Gaz. vol. 204; p. 1005.
- Adirondack Tissue Paper Co., New Hartford, N. Y. Toilet-paper, paper towels and napkins. No. 95,696; Mar. 3; Gaz. vol. 200; p. 276.
- Adirondack Tissue Paper Co., New Hartford, N. Y. Toilet-paper. No. 96,924; May 12; Gaz. vol. 202; p. 627.
- Adjustable Table Company, The, Grand Rapids, Mich. Certain named furniture. No. 98,231; July 7; Gaz. vol. 204; p. 312.
- Adler, Julian, Baltimore, Md. Certain named clothing for men and boys. No. 99,033; Aug. 11; Gaz. vol. 205; p. 658.
- Advance Novelty Candy Mfg. Co., New York, N. Y. Candies. No. 95,191; Feb. 3; Gaz. vol. 199; p. 301.
- Advertogram Co., The, Chicago, Ill. Illuminated structural show-window signs. No. 98,727; Aug. 4; Gaz. vol. 205; p. 297.
- Advertosign Company, The, Chicago, Ill. Electric signs. No. 101,086; Nov. 10; Gaz. vol. 208; p. 652.
- Aeolian Company, New York, N. Y., and Meriden, Conn. Certain named musical instruments and attachments and mechanism therefor. Nos. 95,725-6; Mar. 10; Gaz. vol. 200; p. 577.
- Aero Waist Co., The, New York, N. Y. Ladies' shirt-waists. No. 97,744; June 16; Gaz. vol. 203; p. 923.
- Aetna Hosiery Company, Worcester, Mass. Hosiery. No. 94,848; Jan. 13; Gaz. vol. 198; p. 489.

Alphabetical list of registrants of trade-marks—Continued.

- Agasote Millboard Co., Trenton, N. J. Millboards. No. 99,676; Sept. 15; Gaz. vol. 206; p. 869.
- Agasote Millboard Co., The, Trenton, N. J. Wood substitutes made from pulp. No. 99,413; Sept. 1; Gaz. vol. 206; p. 307.
- "Ago" Lederkitt-Industrie-Gesellschaft mit beschränkter Haftung, Trieste, Austria-Hungary. Certain named footwear. No. 96,217; Apr. 14; Gaz. vol. 201; p. 563.
- Ago-Lederkitt-Industrie-Gesellschaft mit beschränkter Haftung, Trieste, Austria-Hungary. Adhesives and glues. No. 97,305; June 2; Gaz. vol. 203; p. 297.
- "Ago"-Lederkitt-Industrie-Gesellschaft mit beschränkter Haftung, Trieste, Austria-Hungary. Certain named machines and utensils for the manufacture of boots and shoes. No. 97,745; June 16; Gaz. vol. 203; p. 923.
- Agus Shade Carrier Company, The, Baltimore, Md. Window-shade carriers, metal curtain-fixtures, and shade-adjusters. No. 98,349; July 14; Gaz. vol. 204; p. 669.
- Air-tight Steel Tank Co., Pittsburgh, Pa. Spraying apparatus. No. 98,847; Aug. 4; Gaz. vol. 205; p. 300.
- Ajello, Michele, Brooklyn, N. Y. Canned olive-oil, fruits, and vegetables. No. 100,739; Oct. 27; Gaz. vol. 207; p. 1241.
- Aktiebolaget Baltic Framnäs, Södertelje, Sweden. Certain named dairy machinery and the like. No. 96,849; May 5; Gaz. vol. 202; p. 311.
- Aktiebolaget Mjölkningsmaskinen Omega, Flén, Sweden. Milking-machines and parts thereof and combustion-motors and compressors. No. 98,031; June 30; Gaz. vol. 203; p. 1551.
- Aktiebolaget Radius, Stockholm, Sweden. Petroleum and kitchen stoves and soldering-lamps. No. 99,414; Sept. 1; Gaz. vol. 206; p. 307.
- Aktiebolaget Rotator, Södertelje, Sweden. Cream-separators and churns. No. 95,382; Feb. 17; Gaz. vol. 199; p. 933.
- Aktieselskabet H. E. Gosch & Co's Tændstikfabriker og Aktietændstikfabriken Godthaab, Copenhagen, Denmark. Pencils. Nos. 97,798-9; June 23; Gaz. vol. 203; p. 1255.
- Alabama-Georgia Syrup Co., Montgomery, Ala. Table-syrup. No. 100,691; Oct. 20; Gaz. vol. 207; p. 932.
- Alabastine Company, Grand Rapids, Mich. Paint and a wall-coating base. No. 97,306; June 2; Gaz. vol. 203; p. 297.
- Aladdin Electric Lamp Company, Wilmington, Del. Electric lamps. No. 98,350; July 14; Gaz. vol. 204; p. 669.
- Alan Wood Iron & Steel Company, Philadelphia, Pa. Iron and steel plates, billets, blooms, and slabs. No. 96,077; Mar. 31; Gaz. vol. 200; p. 1388.
- Alart & McGuire, assignors to Alart & McGuire Company, New York, N. Y. Certain named foods. No. 96,622; Apr. 28; Gaz. vol. 201; p. 1213.
- Alaska Fish Co., Seattle, Wash. Canned salmon. No. 97,931; June 30; Gaz. vol. 203; p. 1549.
- Alaska-Portland Packers Association, Portland, Oreg. Canned salmon. No. 94,849; Jan. 13; Gaz. vol. 198; p. 489.
- Alaska-Portland Packers Association, Portland, Oreg. Canned salmon. No. 95,506; Feb. 24; Gaz. vol. 199; p. 1239.
- Albany Chemical Co., Albany, Ga. Remedy for the treatment of certain named diseases. No. 95,240; Feb. 3; Gaz. vol. 199; p. 303.
- Albany Chemical Co., Albany, Ga. Liniment. No. 101,258; Nov. 24; Gaz. vol. 208; p. 1351.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper. Nos. 101,259-60; Nov. 24; Gaz. vol. 208; p. 1351.
- Albers Bros. Milling Co., San Francisco, Cal. Compound flour. No. 95,192; Feb. 3; Gaz. vol. 199; p. 301.
- Albert Dickinson Company, The, Chicago, Ill. Cultures of nodule bacteria. No. 99,039; Aug. 11; Gaz. vol. 205; p. 658.
- Albert Dickinson Company, Chicago, Ill. Popping-corn. Nos. 99,708-9; Sept. 15; Gaz. vol. 206; p. 870.
- Albert Pick & Company, Chicago, Ill., and San Francisco, Cal. Impregnated safety-matches. No. 100,406; Oct. 20; Gaz. vol. 207; p. 924.
- Albert Trostel & Sons Company, Milwaukee, Wis. Flesh-finished leather in the piece. No. 96,061; Mar. 31; Gaz. vol. 200; p. 1388.
- Alberti, Firm of Ditta G., Benevento, Italy. Liquor. No. 95,859; Mar. 24; Gaz. vol. 200; p. 1109.
- Alberti Importing and Exporting Co., Boston, Mass. Olive-oil. No. 98,848; Aug. 4; Gaz. vol. 205; p. 300.
- Albrecht, Wilhelm, Boston, Mass. Whisky. No. 94,972; Jan. 20; Gaz. vol. 198; p. 699.
- Albuquerque Creamery, Albuquerque, N. Mex. Butter. No. 98,613; July 28; Gaz. vol. 204; p. 1339.
- Aldabó, Enrique, Habana, Cuba. Rum. No. 98,612; July 28; Gaz. vol. 204; p. 1339.
- Aldabó, Enrique, Habana, Cuba. Mixed drink. No. 101,496; Dec. 22; Gaz. vol. 209; p. 1313.
- Alden Speare's Sons Co., The, Cambridge, Mass. Abrasives in comminuted form. Nos. 98,728-9; Aug. 4; Gaz. vol. 205; p. 297.
- Aldrich, Anthony B., Weehawken, N. J. Garment-hooks. No. 95,587; Mar. 3; Gaz. vol. 200; p. 273.
- Aldridge, Benjamin L., Maple Shade, N. J. Certain named foods. No. 97,932; June 30; Gaz. vol. 203; p. 1549.
- Alexander Bennie & Co., Nashville, Tenn. Overalls. No. 100,251; Oct. 20; Gaz. vol. 207; p. 919.
- Alexander Boguslavsky Limited, London, England. Smoking-tobacco and cigarettes. No. 96,777; May 5; Gaz. vol. 202; p. 309.
- Alexander Boguslavsky Limited, London, England. Smoking-tobacco and cigarettes. No. 99,193; Aug. 25; Gaz. vol. 205; p. 1315.
- Alexander Brothers, Philadelphia, Pa. Leather belting. No. 101,497; Dec. 22; Gaz. vol. 209; p. 1313.
- Alexis Witte Cutlery Company, New York, N. Y. Razors, scissors, and hair-clippers. No. 97,929; June 23; Gaz. vol. 203; p. 1258.
- Alfocorn Milling Company, St. Louis, Mo. Stock and poultry feed. No. 97,197; May 26; Gaz. vol. 202; p. 1253.
- Alfred Benjamin-Washington Co., New York, N. Y. Men's and young men's outer clothing. No. 100,752; Oct. 27; Gaz. vol. 207; p. 1241.
- Algoe, J. Frank, Flint, Mich. Remedy for diseases of the kidneys and bladder. No. 95,383; Feb. 17; Gaz. vol. 199; p. 933.
- Alka-Pine Chemical Co., Tacoma, Wash. Alkaline antiseptic solutions. No. 101,117; Nov. 17; Gaz. vol. 208; p. 979.
- Allaire, Charles M., New York, N. Y. Bituminous paints. No. 98,914; Aug. 11; Gaz. vol. 205; p. 655.
- Allaire, Woodward & Co., Peoria, Ill. Insect-powder. No. 96,623; Apr. 28; Gaz. vol. 201; p. 1213.
- Allegretti, B., Chicago, Ill. Candies. No. 97,584; June 16; Gaz. vol. 203; p. 919.
- Allen, Slade & Co., Fall River, Mass. Coffee. No. 98,453; July 21; Gaz. vol. 204; p. 1005.
- Allen & Smith Company, Inc., Richmond, Va. Candy, salted peanuts, peanut-butter. No. 100,692; Oct. 20; Gaz. vol. 207; p. 932.
- Allen & Wheeler Co., The, Troy, Ohio. Self-rising wheat-flour. No. 96,078; Apr. 7; Gaz. vol. 201; p. 261.
- Allen & Wheeler Co., The, Troy, Ohio. Leaf-tobacco, cigars, cigarettes, pipe mixtures, and chewing-tobacco. No. 97,385; June 2; Gaz. vol. 203; p. 299.
- Allison & Lamson, New York, N. Y. Canes, parasols, and umbrellas. No. 100,475; Oct. 20; Gaz. vol. 207; p. 926.
- Allith-Prouty Company, Danville, Ill. Certain named hardware supplies. No. 98,849; Aug. 4; Gaz. vol. 205; p. 300.
- Allmade Bakeries, Inc., Detroit, Mich. Cake mixtures. No. 100,740; Oct. 27; Gaz. vol. 207; p. 1241.
- Allmänna Svenska Elektriska Aktiebolaget, Vesterås, Sweden. Certain named electrical apparatus, machines, and tools. No. 97,307; June 2; Gaz. vol. 203; p. 297.
- Alma Manufacturing Company of Baltimore City, Baltimore, Md. Snap-fastener tops. No. 97,025; May 19; Gaz. vol. 202; p. 945.
- Alma Motor Truck Co., Alma, Mich. Motor-trucks. No. 97,664; June 16; Gaz. vol. 203; p. 921.
- Alpine Evaporated Cream Co., San Francisco, Cal. Evaporated and condensed milk. No. 97,026; May 19; Gaz. vol. 202; p. 945.
- Alick & Callahan, Whitewater, Wis. Chewing-gum. No. 95,193; Feb. 3; Gaz. vol. 199; p. 301.
- Alston Saw & Steel Company, Folcroft, Pa. Saws. No. 97,106; May 19; Gaz. vol. 202; p. 947.
- Altoonian, Charles S., Providence, R. I. Remedy for piles. No. 95,032; Jan. 27; Gaz. vol. 198; p. 895.
- Aluminate Patents Company, Camden, N. J., and Philadelphia, Pa. Lime containing aluminous materials. No. 97,519; June 9; Gaz. vol. 203; p. 597.
- Aluminum Castings Company, Cleveland, Ohio. Aluminum castings. No. 100,741; Oct. 27; Gaz. vol. 207; p. 1241.
- Aluminum Goods Mfg. Co., Manitowoc, Wis. Certain named aluminum cooking utensils. No. 100,943; Nov. 3; Gaz. vol. 208; p. 333.
- Aluminum Goods Mfg. Co., Manitowoc, Wis. Aluminum toilet-combs. No. 101,353; Dec. 8; Gaz. vol. 209; p. 679.
- Alzanne Cigarette Company, New York, N. Y. Cigarettes. No. 100,072; Oct. 6; Gaz. vol. 207; p. 293.
- Amann Novelty Company, Geo., New York, N. Y. Belts for personal wear. No. 94,796; Jan. 6; Gaz. vol. 198; p. 235.
- Ambroid Company, New York, N. Y. Liquid nitrocellulose compound for coating the skin. No. 98,915; Aug. 11; Gaz. vol. 205; p. 655.
- Amendt Milling Co., Monroe, Ida, and Petersburg, Mich., and Delta, Ohio. Self-rising wheat-flour. No. 101,498; Dec. 22; Gaz. vol. 209; p. 1313.
- American Agricultural Chemical Co., New York, N. Y. Fertilizer. Nos. 95,036-7; Feb. 3; Gaz. vol. 199; p. 297.
- American Agricultural Chemical Co., New York, N. Y. Fertilizers. No. 98,732; Aug. 4; Gaz. vol. 205; p. 297.
- American Agricultural Chemical Co., New York, N. Y. Fertilizer. No. 99,678; Sept. 15; Gaz. vol. 206; p. 869.
- American Agricultural Chemical Co., New York, N. Y. Fertilizers. No. 100,476; Oct. 20; Gaz. vol. 207; p. 926.
- American Agricultural Chemical Co., New York, N. Y. Fertilizers. No. 101,454; Dec. 15; Gaz. vol. 209; p. 1049.

Alphabetical list of registrants of trade-marks—Continued.

- American Agricultural Chemical Company, New York, N. Y. Fertilizer. No. 95,507; Feb. 24; Gaz. vol. 199; p. 1239.
- American Art Works, Coshocton, Ohio. Biweekly periodical. No. 96,625; Apr. 28; Gaz. vol. 201; p. 1213.
- American Asbestos Company, Norristown, Pa. Packings and gaskets formed of certain named materials. No. 97,585; June 16; Gaz. vol. 203; p. 919.
- American Baking Company, Louisville, Ky. Bread, cake, doughnuts, and cookies. No. 97,108; May 19; Gaz. vol. 202; p. 947.
- American Baking Company, Louisville, Ky. Bread, cake, doughnuts, and cookies. No. 97,933; June 30; Gaz. vol. 203; p. 1549.
- American Bank Note Company, New York, N. Y. Containers of its products. No. 95,038; Feb. 3; Gaz. vol. 199; p. 297.
- American Beet Sugar Company, New York, N. Y.; Denver, Rockyford, Lamar, and Las Animas, Colo.; San Francisco, Chino, and Oxnard, Cal., and Grand Island, Nebr. Sugars. No. 101,246; Nov. 17; Gaz. vol. 208; p. 983.
- American Beet Sugar Company, The, Denver, Colo. Beet-sugar. No. 101,261; Nov. 24; Gaz. vol. 208; p. 1351.
- American Candy Company, Milwaukee, Wis. Candies. No. 96,850; May 5; Gaz. vol. 202; p. 311.
- American Cement Company, Rockville, Conn. Paste, glue, and cement. No. 95,860; Mar. 24; Gaz. vol. 200; p. 1109.
- American Cement Paint Co., Rossville, Ga. Dry paint. No. 99,268; Aug. 25; Gaz. vol. 205; p. 1317.
- American Chain Company, Incorporated, Bridgeport, Conn. Certain named chains and chain devices. No. 97,746; June 16; Gaz. vol. 203; p. 923.
- American Chain Company, Bridgeport, Conn. Certain named chains and chain pipe-hangers. No. 101,499; Dec. 22; Gaz. vol. 209; p. 1313.
- Amber Chemical Company, The, Atlanta, Ga. Varnish. No. 97,107; May 19; Gaz. vol. 202; p. 947.
- American Chemical & Manufacturing Company, Inc., Norfolk, Va. Ready-mixed, waterproofing, and rustproofing paints. No. 100,073; Oct. 6; Gaz. vol. 207; p. 293.
- American Cleanser Company, Haake Ranch, near Boerne, Tex. Substance for cleaning and polishing. No. 99,073; Aug. 18; Gaz. vol. 205; p. 1015.
- American Cleanser Company, Haake Ranch, near Boerne, Tex. Cleaning and polishing substance. No. 99,679; Sept. 15; Gaz. vol. 206; p. 869.
- American Coal Products Company, New York, N. Y. Fertilizing-sulfates. No. 99,415; Sept. 1; Gaz. vol. 206; p. 307.
- American Coal Refining Company, The, Denver, Colo. Liquid fuel usable in explosive gas-engines. No. 100,944; Nov. 3; Gaz. vol. 208; p. 333.
- American Coffee Company of New Orleans, Ltd., New Orleans, La. Blended coffee and chicory and spices. No. 98,851; May 5; Gaz. vol. 202; p. 311.
- American Consumers' Association of New York, Inc., New York, N. Y. Certain named foods. No. 95,697; Mar. 3; Gaz. vol. 200; p. 276.
- American Cyanamid Company, Nashville, Tenn.; Niagara Falls, Ontario, Canada; Buffalo and New York, N. Y., and Atlanta, Ga. Certain fertilizer material. No. 100,232; Oct. 20; Gaz. vol. 207; p. 919.
- American Die & Tool Co., Reading, Pa. Certain named tools and machinery. No. 98,454; July 21; Gaz. vol. 204; p. 1005.
- American Distilled Water Company, New York, N. Y. Certain named non-alcoholic beverages. No. 98,916; Aug. 11; Gaz. vol. 205; p. 655.
- American Duralumin Co., New York, N. Y. Metallic alloy. No. 95,039; Feb. 3; Gaz. vol. 199; p. 297.
- American Federation of Labor, Washington, D. C. Books, pamphlets, and circulars. No. 96,925; May 12; Gaz. vol. 202; p. 627.
- American Graphophone Company, Bridgeport, Conn. Sound-records for talking-machines. No. 95,384; Feb. 17; Gaz. vol. 199; p. 933.
- American Hardware Corporation, The, New Britain, Conn. Odometers and speedometers. No. 101,438; Dec. 15; Gaz. vol. 209; p. 1049.
- American Hominy Company, Indianapolis, Ind. Adhesive paste and sizing. No. 95,727; Mar. 10; Gaz. vol. 200; p. 577.
- American Hone Co., Olean, N. Y. Artificial abrasive stones. No. 101,087; Nov. 10; Gaz. vol. 208; p. 652.
- American Implement Company, The, Waterbury, Conn. Foundry-riddles. No. 98,993; Aug. 11; Gaz. vol. 205; p. 657.
- American Lady Corset Co., Detroit, Mich. Corsets. No. 95,194; Feb. 3; Gaz. vol. 199; p. 301.
- American Lady Corset Company, Detroit, Mich. Corsets. No. 97,665; June 16; Gaz. vol. 203; p. 921.
- American Linseed Company, Jersey City, N. J., and New York, N. Y. Linseed-meal. No. 97,934; June 30; Gaz. vol. 203; p. 1549.
- American Lumberman, The, Chicago, Ill. Weekly trade journal. No. 95,973; Mar. 31; Gaz. vol. 200; p. 1385.
- American Maize-Products Company, Portland, Me., and New York, N. Y. Certain named foods. No. 96,381; Apr. 21; Gaz. vol. 201; p. 895.
- American Maize-Products Company, Portland, Me., and New York, N. Y. Corn starch and starch as ingredient of certain foods. No. 96,382; Apr. 21; Gaz. vol. 201; p. 895.
- American Maize-Products Company, Portland, Me., and New York, N. Y. Certain named foods. No. 96,383; Apr. 21; Gaz. vol. 201; p. 895.
- American Milk Company, Chicago, Ill. Skimmed powdered milk. No. 98,232; July 7; Gaz. vol. 204; p. 312.
- American Mills Company, The, Waterbury, Conn. Dress-banding. No. 99,074; Aug. 18; Gaz. vol. 205; p. 1015.
- American Motor Equipment Co., Boston, Mass. Lubricating oil and grease. No. 96,218; Apr. 14; Gaz. vol. 201; p. 563.
- American Museum of Safety, The, New York, N. Y. Monthly periodical. No. 97,800; June 23; Gaz. vol. 203; p. 1255.
- American Ointment Co., The, New Brighton, Pa. Medicated ointment. No. 95,508; Feb. 24; Gaz. vol. 199; p. 1239.
- American Optical Company, Southbridge, Mass. Certain named optical goods. No. 95,861; Mar. 24; Gaz. vol. 200; p. 1109.
- American Optical Company, Southbridge, Mass. Spectacles, eyeglasses, frames, bridges, lenses, &c. No. 96,079; Apr. 7; Gaz. vol. 201; p. 261.
- American Optical Company, Southbridge, Mass. Certain named optical supplies. No. 96,626; Apr. 28; Gaz. vol. 201; p. 1213.
- American Optical Company, Southbridge, Mass. Periodicals. No. 96,627; Apr. 28; Gaz. vol. 201; p. 1213.
- American Optical Company, Southbridge, Mass. Ophthalmic mountings. No. 96,628; Apr. 28; Gaz. vol. 201; p. 1213.
- American Optical Company, Southbridge, Mass. Certain articles made from precious metals. No. 97,459; June 9; Gaz. vol. 203; p. 595.
- American Oven & Machine Company, Chicago, Ill. Kneading and mixing machines. No. 96,219; Apr. 14; Gaz. vol. 201; p. 563.
- American Pad & Paper Company, Holyoke, Mass. Blank books for educational purposes. No. 101,088; Nov. 10; Gaz. vol. 208; p. 652.
- American Paint Works, The, New Orleans, La. Flat wall-finish. No. 95,040; Feb. 3; Gaz. vol. 199; p. 297.
- American Photo Player Company, Berkeley, Cal. Pneumatically-operated pianos and orchestrons. No. 96,629; Apr. 28; Gaz. vol. 201; p. 1213.
- American Pickle & Canning Co., Des Moines, Iowa, and Wiggins, Miss. Canned vegetables, pickles, catsup, and table-mustard. No. 96,769; May 5; Gaz. vol. 202; p. 309.
- American Pin Company, Waterbury, Conn. Safety-pins. No. 96,080; Apr. 7; Gaz. vol. 201; p. 261.
- American Pin Company, The, Waterbury, Conn. Certain named hardware, plumbing, and steam-fitting supplies. No. 101,500; Dec. 22; Gaz. vol. 209; p. 1313.
- American Pin Company, Waterbury, Conn. Toilet-pins. No. 101,555; Dec. 29; Gaz. vol. 209; p. 1687.
- American Remedial Co., Trenton, N. J. Remedies for certain named diseases. No. 99,075; Aug. 18; Gaz. vol. 205; p. 1015.
- American Remedy Company, Greencastle, Pa. Medicines for the treatment of human beings, live stock, and poultry. No. 98,032; June 30; Gaz. vol. 203; p. 1552.
- American Rotograph Co., Syracuse, N. Y. Motion-picture photo-plays. No. 97,198; May 26; Gaz. vol. 202; p. 1253.
- American Rotogravure Company, New York, N. Y. Printing-presses. No. 96,630; Apr. 28; Gaz. vol. 201; p. 1213.
- American Rotogravure Company, New York, N. Y. Photo-gravures. No. 98,455; July 21; Gaz. vol. 204; p. 1005.
- American Rubber Company, Boston, Mass. Rubber boots and shoes. No. 100,477; Oct. 20; Gaz. vol. 207; p. 926.
- American Salesthyll Mfg. Co., The, New York, N. Y. Menthylated oil of wintergreen in salve form. No. 97,109; May 19; Gaz. vol. 202; p. 947.
- American Salesthyll Mfg. Co., New York, N. Y. Menthylated oil of wintergreen. No. 97,110; May 19; Gaz. vol. 202; p. 947.
- American Shearer Mfg. Co., Nashua, N. H. Certain electrical apparatus and attachment for ordinary domestic use. No. 94,973; Jan. 20; Gaz. vol. 198; p. 699.
- American Sheet & Tin Plate Company, Pittsburgh, Pa. Rolled metal sheets and plates, tin and terne plates. No. 99,133; Aug. 18; Gaz. vol. 205; p. 1016.
- American Stopper Company, New York, N. Y. Metal caps. No. 101,118; Nov. 17; Gaz. vol. 208; p. 979.
- American Sugar Refining Company, The, Jersey City, N. J. Molasses. No. 95,586; Mar. 3; Gaz. vol. 200; p. 273.
- American Ther-Ox Co., Chicago, Ill. Shampoo preparations. No. 100,945; Nov. 3; Gaz. vol. 208; p. 333.
- American Thread Company, The, Jersey City, N. J. Spool and sewing cotton, thread, and cotton yarn. No. 95,385; Feb. 17; Gaz. vol. 199; p. 933.
- American Tripoli Company, Seneca, Mo. Tripoli flour. No. 101,119; Nov. 17; Gaz. vol. 208; p. 979.
- American Type Founders Company, Jersey City, N. J. Metal space or quad. No. 98,614; July 28; Gaz. vol. 204; p. 1339.

Alphabetical list of registrants of trade-marks—Continued.

- American Veneziani Company, Jersey City, N. J. Paints for ships' bottoms. No. 94,850; Jan. 13; Gaz. vol. 198; p. 489.
- American Veneziani Paint Company, Jersey City, N. J. Paints for ships' bottoms. No. 99,134; Aug. 18; Gaz. vol. 205; p. 1017.
- American Weather Strip Company, Grand Rapids, Mich. Weather-strips. No. 101,354; Dec. 8; Gaz. vol. 209; p. 679.
- American Wine Company, St. Louis, Mo. Monthly publication. No. 96,926; May 12; Gaz. vol. 202; p. 627.
- American Woolen Company, Jersey City, N. J., and Boston, Mass. Woolen piece goods. No. 97,308; June 2; Gaz. vol. 203; p. 297.
- American Writing Machine Company, Ilion and New York, N. Y. Type-writing machines. No. 96,220; Apr. 14; Gaz. vol. 201; p. 563.
- Ames Harris Neville Co., San Francisco, Cal. Jute bags. No. 100,994; Nov. 3; Gaz. vol. 208; p. 334.
- Amieux & Cie., M., Nantes, France. Certain named foods. No. 96,927; May 12; Gaz. vol. 202; p. 627.
- Ammen, Charles, Jackson, La. Flux for tinning brass, copper, &c. No. 96,852; May 5; Gaz. vol. 202; p. 311.
- Ammon & Person, Jersey City, N. J. Butterin. No. 96,384; Apr. 21; Gaz. vol. 201; p. 895.
- Ammon & Person, Jersey City, N. J. Oleomargarin. No. 98,615; July 28; Gaz. vol. 204; p. 1339.
- Amory, William, *et al.*, trustees. (See Amoskeag Manufacturing Company, assignor.)
- Amoskeag Manufacturing Co., Manchester, N. H. Cotton piece goods. No. 95,041; Feb. 3; Gaz. vol. 199; p. 297.
- Amoskeag Manufacturing Company, Manchester, N. H. Cotton piece goods. Nos. 94,851-4; Jan. 13; Gaz. vol. 198; p. 489.
- Amoskeag Manufacturing Company, Manchester, N. H. Cotton piece goods. No. 95,281; Feb. 10; Gaz. vol. 199; p. 611.
- Amoskeag Manufacturing Company, Manchester, N. H. Cotton piece goods. Nos. 97,027-8; May 19; Gaz. vol. 202; p. 945.
- Amoskeag Manufacturing Company, Manchester, N. H. Cotton piece goods. No. 97,199; May 26; Gaz. vol. 202; p. 1253.
- Amoskeag Manufacturing Company, Manchester, N. H. Cotton piece goods. No. 98,850; Aug. 4; Gaz. vol. 205; p. 300.
- Amoskeag Manufacturing Company, Manchester, N. H. Plain cotton flannels. No. 100,233; Oct. 20; Gaz. vol. 207; p. 919.
- Amoskeag Manufacturing Company, Manchester, N. H. Cotton piece and dress goods. Nos. 100,234-40; Oct. 20; Gaz. vol. 207; p. 919.
- Amoskeag Manufacturing Company, Manchester, N. H., assignor to W. Amory, P. Dexter, G. A. Gardner, F. C. E. Cotting, Boston, T. Parsons, Mattapoisett, F. C. Dumaine, Concord, T. J. Coolidge, Manchester, G. L. Stone, Brookline, G. von L. Meyer, Hamilton, G. Wigglesworth, Milton, Mass., F. P. Carpenter, Manchester, and A. W. Sulloway, Franklin, N. H., trustees. Cotton piece goods. No. 97,386; June 2; Gaz. vol. 203; p. 299.
- Amsterdam Polish Company, Amsterdam, N. Y. Furniture-polish. No. 98,351; July 14; Gaz. vol. 204; p. 669.
- Anchor Coal Company, Charleston, W. Va. Block-coal. No. 95,042; Feb. 3; Gaz. vol. 199; p. 297.
- Anchor Coal Company, Charleston, W. Va. Block coal. No. 100,742; Oct. 27; Gaz. vol. 207; p. 1241.
- Anchor Sawmills Company, Pelham Manor, N. Y.; Memphis and Jackson, Tenn., and Devall Bluff, Ark. Boat-oars. Nos. 98,733-5; Aug. 4; Gaz. vol. 205; p. 297.
- Anderson, Arminda J., Leaday, Tex. Medical herb preparation for female complaints. No. 100,074; Oct. 6; Gaz. vol. 207; p. 293.
- Anderson-Brown Company, The, Buffalo, N. Y. Medicines for constipation, hepatic torpor, &c. No. 98,917; Aug. 11; Gaz. vol. 205; p. 655.
- Anderson & Co., W. A., New York, N. Y. Advertising devices. No. 101,262; Nov. 24; Gaz. vol. 208; p. 1351.
- Anderson & Co., Wm., New York, N. Y. Gingham. No. 97,029; May 19; Gaz. vol. 202; p. 945.
- Anderson & Company, W. A., New York, N. Y. Signs and placards. No. 98,736; Aug. 4; Gaz. vol. 205; p. 297.
- Andrew Jergens Co., The. (See John H. Woodbury Dermatological Institute, assignor.)
- Andrew Rohan Co., The, Cincinnati, Ohio. Butter and cheese. No. 97,935; June 30; Gaz. vol. 203; p. 1549.
- Andrews, George C., Minneapolis, Minn. Traction-engines. No. 101,501; Dec. 22; Gaz. vol. 209; p. 1313.
- Angle, Fred H., Oberlin, Ohio. Settling and clarifying coffee. No. 97,586; June 16; Gaz. vol. 203; p. 919.
- Annis, Charles A., Stoneham, Mass. Waterproof coats. No. 98,918; Aug. 11; Gaz. vol. 205; p. 655.
- Anso Company, Binghamton, N. Y. Cameras, shutters, combined printing-machine and dark-room lamps, and films. No. 98,456; July 21; Gaz. vol. 204; p. 1005.
- Anso Company, Binghamton, N. Y. Chemicals used in photographic processes. No. 98,457; July 21; Gaz. vol. 204; p. 1005.
- Ansonia Clock Company, New York, N. Y. Watches and clocks. No. 98,233; July 7; Gaz. vol. 204; p. 312.
- Ansted & Burk Co., The, Springfield, Ohio. Self-rising wheat-flour. No. 99,188; Aug. 25; Gaz. vol. 205; p. 1315.
- Anti-Fog Company, Portland, Oreg. Composition for preventing accumulation or condensation of water upon glass, &c., surfaces. No. 100,743; Oct. 27; Gaz. vol. 207; p. 1241.
- Anti-Vapor Co., New York, N. Y. Compounds for prevention of moisture on glass surfaces. No. 100,478; Oct. 20; Gaz. vol. 207; p. 926.
- Appleton Company, Lowell, Mass. Cotton piece goods. Nos. 98,352-5; July 14; Gaz. vol. 204; p. 669.
- Appleton Company, Lowell, Mass. Cotton piece goods. Nos. 98,458-9; July 21; Gaz. vol. 204; p. 1005.
- Appleton Company, Lowell, Mass. Cotton piece goods. No. 98,616; July 28; Gaz. vol. 204; p. 1339.
- Appleton Company, Lowell, Mass. Cotton piece goods. No. 99,076; Aug. 18; Gaz. vol. 205; p. 1015.
- Apra Bros., New York, N. Y. Olive-oil. No. 99,833; Sept. 22; Gaz. vol. 206; p. 1157.
- Apsley Rubber Co., Hudson, Mass. Rubber boots and shoes. No. 99,416; Sept. 1; Gaz. vol. 206; p. 307.
- Apsley Rubber Company, Hudson, Mass. Rubber coats, boots, and shoes. No. 96,561; Apr. 21; Gaz. vol. 201; p. 900.
- Aragon Coffee Co., Inc., South Richmond, Va. Tea and coffee. No. 100,744; Oct. 27; Gaz. vol. 207; p. 1241.
- Arbuckle Brothers, New York, N. Y., and Chicago, Ill. Coffee. No. 96,081; Apr. 7; Gaz. vol. 201; p. 261.
- Arbuckle Brothers, New York, N. Y., and Chicago, Ill. Certain named spices and flavoring extracts. No. 98,737; Aug. 4; Gaz. vol. 205; p. 297.
- Arcade Manufacturing Company, Freeport, Ill. Cork-pullers. No. 94,855; Jan. 13; Gaz. vol. 198; p. 489.
- Arcadia Food Co., New York, N. Y. Jelly-powder. No. 97,587; June 16; Gaz. vol. 203; p. 919.
- Archaeological Institute of America, Washington, D. C. Periodical publication. No. 101,120; Nov. 17; Gaz. vol. 208; p. 979.
- Archery Co. Inc., The, Glens Falls, N. Y. Toilet-brushes. No. 95,862; Mar. 24; Gaz. vol. 200; p. 1109.
- Arctic Cleanser Company, Seattle, Wash. Abrasive cleansing compound. No. 97,801; June 23; Gaz. vol. 203; p. 1255.
- Arispe, Manuel, San Antonio, Tex. Preparation for treatment of tuberculosis, &c. No. 101,263; Nov. 24; Gaz. vol. 208; p. 1351.
- Arista Mills Company, Winston-Salem, N. C. Cotton piece goods. Nos. 94,856-7; Jan. 13; Gaz. vol. 198; p. 489.
- Aristos Company, The, Wilmington, Del., and New York, N. Y. Gas-mixers. No. 95,043; Feb. 3; Gaz. vol. 199; p. 297.
- Arkansas Fertilizer Co., Little Rock, Ark. Fertilizers. No. 96,928; May 12; Gaz. vol. 202; p. 627.
- Arkell & Smiths, Canajoharie, N. Y. Cotton and paper bags and sacks. No. 97,200; May 26; Gaz. vol. 202; p. 1253.
- Armbruster, Elise, late Miss Haibl, Landau, Germany. Hair-nets. No. 100,241; Oct. 20; Gaz. vol. 207; p. 919.
- Armour & Company, Chicago, Ill. Products consisting of certain named foods. No. 98,617; July 28; Gaz. vol. 204; p. 1339.
- Armour & Company, Chicago, Ill. Fish. No. 99,034; Aug. 11; Gaz. vol. 205; p. 658.
- Armour & Company, Chicago, Ill. Soaps. No. 99,834; Sept. 22; Gaz. vol. 206; p. 1157.
- Armour & Company, Chicago, Ill. Sardines. No. 100,479; Oct. 20; Gaz. vol. 207; p. 926.
- Armour, John B., Saco, Mont. Liniment. No. 97,666; June 16; Gaz. vol. 203; p. 921.
- Armstrong, Albert, Watertown, N. Y. Furniture-polish. No. 94,797; Jan. 6; Gaz. vol. 198; p. 235.
- Armstrong Bros. Tool Co., Chicago, Ill. Certain named lathe and machine tools and attachments. No. 95,975; Mar. 31; Gaz. vol. 200; p. 1385.
- Armstrong Brothers, Hampton, Va. Oysters. No. 96,083; Apr. 7; Gaz. vol. 201; p. 261.
- Armstrong Brothers, Hampton, Va. Oysters. No. 96,930; May 12; Gaz. vol. 202; p. 627.
- Armstrong Cork Company, Pittsburgh, Pa. Linoleum. No. 94,859; Jan. 13; Gaz. vol. 198; p. 489.
- Armstrong Cork & Insulation Company, Pittsburgh, Pa. Composition floor-tiles of linoleum, &c. No. 99,532; Sept. 8; Gaz. vol. 206; p. 583.
- Armstrong, Frederick S., New York, N. Y. Coffee. No. 100,075; Oct. 6; Gaz. vol. 207; p. 293.
- Armstrong, Harry, Atlanta, Ga. Remedy for asthma, bronchitis, hay-fever, &c. No. 100,745; Oct. 27; Gaz. vol. 207; p. 1241.
- Armstrong Mfg. Co., Waterloo, Iowa. Certain named machinery and engines, not electrical. No. 98,851; Aug. 4; Gaz. vol. 205; p. 300.
- Arndt, Dextrinfabrik in Neudamm, Rudolf, Neudamm, Germany. Dextrin and soluble starches. No. 97,201; May 26; Gaz. vol. 202; p. 1253.
- Arnold Electric Company, Boston, Mass. Electric vaporizers, heaters, and spark-plugs. No. 96,481; Apr. 21; Gaz. vol. 201; p. 898.

Alphabetical list of registrants of trade-marks—Continued.

- Arnold, William C., Kansas City, Mo. Ointment and preparation for treatment of certain named ailments. No. 98,994; Aug. 11; Gaz. vol. 205; p. 657.
- Aromint Company, The, Cincinnati, Ohio. Candy. No. 96,386; Apr. 21; Gaz. vol. 201; p. 895.
- Aronson, Louis V., Newark, N. J. Spark-pistols, cigar and gas lighting devices, &c. No. 95,283; Feb. 10; Gaz. vol. 199; p. 611.
- Aronson, Louis V., Newark, N. J. Certain cigar and cigarette lighting devices. No. 98,234; July 7; Gaz. vol. 204; p. 312.
- Aronson, Louis V., Newark, N. J. Cigar and gas lighting devices. No. 98,460; July 21; Gaz. vol. 204; p. 1005.
- Arrow Bottlers Company, Chicago, Ill. Bottle-making machinery and appliances therefor. No. 99,930; Sept. 29; Gaz. vol. 206; p. 1431.
- Arrowhead Hot Springs Company, Arrowhead Springs, Cal. Mineral water. No. 95,386; Feb. 17; Gaz. vol. 199; p. 933.
- Arrowhead Hot Springs Company, Arrowhead Springs, Cal. Mineral water. No. 98,033; June 30; Gaz. vol. 203; p. 1552.
- Arch, Mary, New York, N. Y. Hair-invigorator and remedy for scalp diseases, &c. No. 98,034; June 30; Gaz. vol. 203; p. 1552.
- Arthur Chemical Co., The, New Haven, Conn. Soaps. No. 95,044; Feb. 3; Gaz. vol. 199; p. 297.
- Arthur Chemical Co., The, New Haven, Conn. Flavoring extracts for foods. No. 96,387; Apr. 21; Gaz. vol. 201; p. 895.
- Arthur Chemical Co., New Haven, Conn. Skin-lotion, toilet waters and creams, perfumes, and powders. No. 97,460; June 9; Gaz. vol. 203; p. 595.
- Arthur Chemical Co., New Haven, Conn. Flavoring extracts for foods. No. 98,111; July 7; Gaz. vol. 204; p. 309.
- Arthur Chemical Co., The, New Haven, Conn. Perfume, toilet water, powders, and cold-cream. No. 100,480; Oct. 20; Gaz. vol. 207; p. 926.
- Arthur Chemical Co., The, New Haven, Conn. Coloring material for straw hats. No. 101,122; Nov. 17; Gaz. vol. 208; p. 979.
- Ashby-Crawford Co. Inc., Brockton, Mass. Leather and canvas shoes. No. 97,461; June 9; Gaz. vol. 203; p. 595.
- Ashby-Crawford Company, Marlboro, Mass. Leather and canvas boots and shoes. No. 97,309; June 2; Gaz. vol. 203; p. 297.
- Asiatic Petroleum Company, Limited, London, England. Certain named burning oils, lubricants, candles, night-lights, and mineral wax. No. 98,112; July 7; Gaz. vol. 204; p. 309.
- Asiatic Petroleum Company, Limited, The, London, England. Gasolene, naphtha, lubricating oils and greases, &c. No. 98,235; July 7; Gaz. vol. 204; p. 312.
- Asiatic Petroleum Company, Limited, The, London, England. Candles, night-lights, and mineral wax for illuminating and heating purposes. No. 98,236; July 7; Gaz. vol. 204; p. 312.
- Aspegren & Co., New York, N. Y. Cotton-seed oil. No. 94,860; Jan. 13; Gaz. vol. 198; p. 489.
- Aspinall, Thomas, Bolton, England. Chemical substance used in manufacturing named fabrics. No. 94,974; Jan. 20; Gaz. vol. 198; p. 699.
- Aspinall, Thomas, Bolton, England. A preservative used in treating certain substances. No. 95,284; Feb. 10; Gaz. vol. 199; p. 611.
- Associated Portland Cement Manufacturers (1900), Limited, The, London, England. Portland cement. No. 100,481; Oct. 20; Gaz. vol. 207; p. 926.
- Associated Portland Cement Manufacturers (1900), Limited, London, England. Portland cement. No. 101,556; Dec. 29; Gaz. vol. 209; p. 1687.
- Astra Products Co., Carthage, Mo. Extracts, &c., for soda-water and carbonated tonic beverages. No. 99,135; Aug. 18; Gaz. vol. 205; p. 1017.
- Atha Tool Company, The, Newark, N. J. Certain named tools. No. 101,440; Dec. 15; Gaz. vol. 209; p. 1049.
- Athos Tobacco Company, Inc., New York, N. Y. Cigarettes containing Turkish tobacco. No. 96,221; Apr. 14; Gaz. vol. 201; p. 563.
- Atkins Co., The, New York, N. Y. Metal-polish. No. 96,631; Apr. 28; Gaz. vol. 201; p. 1213.
- Atlanta Canning Company, Atlanta, N. Y. Canned vegetables. No. 98,237; July 7; Gaz. vol. 204; p. 312.
- Atlantic Chemical Corporation, The, Norfolk, Va. Fertilizers. Nos. 98,919-20; Aug. 11; Gaz. vol. 205; p. 655.
- Atlantic Chemical Corporation, The, Norfolk, Va. Fertilizers. No. 99,136; Aug. 18; Gaz. vol. 205; p. 1017.
- Atlantic Chemical Corporation, The, Norfolk, Va. Fertilizers. Nos. 99,417-18; Sept. 1; Gaz. vol. 206; p. 307.
- Atlantic Chemical Corporation, Norfolk, Va. Fertilizers. No. 99,533; Sept. 8; Gaz. vol. 206; p. 583.
- Atlantic Chemical Corporation, Norfolk, Va. Fertilizers. No. 100,242; Oct. 20; Gaz. vol. 207; p. 919.
- Atlantic Macaroni Co., The, Long Island City, N. Y. Alimentary paste products. No. 94,861; Jan. 13; Gaz. vol. 198; p. 489.
- Atlantic Macaroni Co., The, Long Island City, N. Y. Alimentary paste. Nos. 95,588-90; Mar. 3; Gaz. vol. 200; p. 273.
- Atlantic Macaroni Co., The, Long Island City, N. Y. Macaroni. No. 96,771; May 5; Gaz. vol. 202; p. 309.
- Atlantic Macaroni Co., The, Long Island City, N. Y. Macaroni. Nos. 97,936-7; June 30; Gaz. vol. 203; p. 1549.
- Atlantic Macaroni Co., Long Island City, N. Y. Macaroni. No. 98,238; July 7; Gaz. vol. 204; p. 313.
- Atlas Bread Factory, Milwaukee, Wis. Bread. No. 98,461; July 21; Gaz. vol. 204; p. 1005.
- Atlas Portland Cement Company, The, North Hampton, Pa., and New York, N. Y. Portland cement. No. 95,387; Feb. 17; Gaz. vol. 199; p. 933.
- Atlas Portland Cement Company, The, Northampton, Pa., and New York, N. Y. Monthly almanac or magazine of business. No. 96,222; Apr. 14; Gaz. vol. 201; p. 563.
- Atlas Powder Company, Wilmington, Del. Powder, dynamite, and blasting-caps. No. 95,285; Feb. 10; Gaz. vol. 199; p. 611.
- Atsco, Incorporated, New York, N. Y. Viscous cement. No. 100,746; Oct. 27; Gaz. vol. 207; p. 1241.
- Atsco, Incorporated, New York, N. Y. Screens upon which magic-lantern or moving pictures may be projected. No. 101,264; Nov. 24; Gaz. vol. 208; p. 1351.
- Attig, John H., Los Angeles, Cal. Eczema-ointment. No. 98,113; July 7; Gaz. vol. 204; p. 309.
- Attleboro Bottling Company, The, Attleboro, Mass. Certain named non-alcoholic beverages. No. 98,035; June 30; Gaz. vol. 203; p. 1552.
- Aubry Sisters, New York, N. Y. Soap. No. 96,772; May 5; Gaz. vol. 202; p. 309.
- Aubry Sisters, New York, N. Y. Certain named chemical and pharmaceutical preparation. No. 100,076; Oct. 6; Gaz. vol. 207; p. 203.
- Aubry Sisters, Inc., New York, N. Y. Certain named toilet preparation. No. 98,114; July 7; Gaz. vol. 204; p. 309.
- Auerbach & Sons, D., New York, N. Y. Candy. No. 100,747; Oct. 27; Gaz. vol. 207; p. 1241.
- August, A. & L., Fort Worth, Tex. Certain named clothing for men and boys. No. 100,482; Oct. 20; Gaz. vol. 207; p. 926.
- August Buermann Manufacturing Co., Newark, N. J. Bits, spurs, stirrups, and saddlery hardware. No. 96,246; Apr. 14; Gaz. vol. 201; p. 564.
- August Buermann Manufacturing Co., Newark, N. J. Bits, spurs, stirrups, and saddlery hardware. No. 99,421; Sept. 1; Gaz. vol. 206; p. 307.
- Augusta Canning Co., Brunswick, Me. Canned corn, sucotash, and Lima beans. No. 100,748; Oct. 27; Gaz. vol. 207; p. 1241.
- Aunt Jemima Mills Company, St. Joseph, Mo. Wheat-flour. No. 99,836; Sept. 22; Gaz. vol. 206; p. 1157.
- Aunt Jemima Mills Company, St. Joseph, Mo. Wheat-flour. No. 100,077; Oct. 6; Gaz. vol. 207; p. 293.
- Aunt Jemima Mills Company, The, St. Joseph, Mo. Fancy white shorts. No. 101,123; Nov. 17; Gaz. vol. 208; p. 979.
- Aurora Automatic Machinery Company, Chicago, Ill. Portable electrically-actuated drills. No. 97,111; May 19; Gaz. vol. 202; p. 947.
- Aurora Cotton Mills, Burlington, N. C. Seersuckers, gingham, zephyrs, and flannels. No. 95,196; Feb. 3; Gaz. vol. 199; p. 301.
- Auspitz, Max, Chicago, Ill. Petticoats. No. 100,483; Oct. 20; Gaz. vol. 207; p. 926.
- Austen, Edward W., Oswego, N. Y. Perfumes. No. 99,137; Aug. 18; Gaz. vol. 205; p. 1017.
- Austin, Nichols & Co., Inc., New York, N. Y. Cigars. No. 95,591; Mar. 3; Gaz. vol. 200; p. 273.
- Auto-Grav Manufacturing and Medical Company, The, Denver, Colo. Syringes. No. 101,029; Nov. 10; Gaz. vol. 208; p. 651.
- Auto Pneumatic Action Co., New York, N. Y. Player-pianos, piano-players, and actions therefor. No. 98,462; July 21; Gaz. vol. 204; p. 1005.
- Auto Strop Safety Razor Co., Ltd., London, England. Safety-razors and safety-razor blades. No. 99,931; Sept. 29; Gaz. vol. 206; p. 1431.
- Auto Supply Co., F. & O., Pasadena, Cal. Decarbonizer. No. 94,975; Jan. 20; Gaz. vol. 198; p. 699.
- Autographic Register Company, Hoboken, N. J. Autographic registers. Nos. 99,932-3; Sept. 29; Gaz. vol. 206; p. 1431.
- Automatic Cradle Mfg. Co., The, Stevens Point, Wis. Self-swinging cradles. No. 99,534; Sept. 8; Gaz. vol. 206; p. 583.
- Automatic Drill Chuck Corporation, Detroit, Mich. Drill-chucks. No. 99,138; Aug. 18; Gaz. vol. 205; p. 1017.
- Automatic Lock Cover Corporation, New York, N. Y. Garbage-cans. No. 95,728; Mar. 10; Gaz. vol. 200; p. 577.
- Automatic Mist Company, The, Cleveland, Ohio. Prepared oils for cleaning and polishing wood surfaces. No. 97,112; May 19; Gaz. vol. 202; p. 947.
- Automobile Blue Book Company, New York, N. Y. Printed books. No. 100,243; Oct. 20; Gaz. vol. 207; p. 919.
- Autoplate Company of America. (See Campbell Printing Press & Manufacturing Company, assignor.)
- Autopress Company, The, New York, N. Y. Printing-presses. No. 96,223; Apr. 14; Gaz. vol. 201; p. 563.

- Autosales Gum and Chocolate Company, New York, N. Y., assignor, by mesne assignments, to The Sterling Company. Chewing-gum. No. 98,618; July 28; Gaz. vol. 204; p. 1339.
- Avalon Knitwear Company, Utica, N. Y. Knit and woven underwear. No. 98,619; July 28; Gaz. vol. 204; p. 1339.
- Avery Lowry Company, Boston, Mass. Leather, tanned and untanned. No. 97,802; June 23; Gaz. vol. 203; p. 1255.
- Avery Scale Co., The, North Milwaukee, Wis. Scales. No. 95,388; Feb. 17; Gaz. vol. 199; p. 933.
- Avisto Milling Co., Aviston, Ill. Wheat-flour. Nos. 94,862-4; Jan. 13; Gaz. vol. 198; p. 489.
- Avon Sole Company, Brockton, Mass. Composition soles for shoes. No. 96,562; Apr. 21; Gaz. vol. 201; p. 900.
- Avon Sole Company, Brockton and Avon, Mass. Composition soles and heels for shoes. No. 97,803; June 23; Gaz. vol. 203; p. 1255.
- Ayer, Harriet H., New York, N. Y. Certain named pharmaceutical preparations. No. 98,739; Aug. 4; Gaz. vol. 205; p. 297.
- B. Altman & Co., New York, N. Y. Shoes, boots, or slippers. No. 96,624; Apr. 28; Gaz. vol. 201; p. 1213.
- B. Altman & Co., New York, N. Y. Ribbons. Nos. 98,730-1; Aug. 4; Gaz. vol. 205; p. 297.
- B. Birnbaum & Son, Limited, London, England. Rain-coats. No. 100,492; Oct. 20; Gaz. vol. 207; p. 926.
- B. Kuppenheimer & Company, Chicago, Ill. Overcoats, coats, vests, and trousers. No. 95,919; Mar. 24; Gaz. vol. 200; p. 1110.
- B. B. Davis & Company, New York, N. Y. Whisky. No. 96,793; May 5; Gaz. vol. 202; p. 309.
- B. C. Remedy Company, Durham, N. C. Remedy for headache and neuralgia. No. 98,564; July 21; Gaz. vol. 204; p. 1008.
- B. D. Rising Paper Company, Housatonic, Mass. Flat writing-paper. No. 96,995; May 12; Gaz. vol. 202; p. 629.
- B. F. Goodrich Company, New York, N. Y. Rubber boots and shoes. No. 95,540; Feb. 24; Gaz. vol. 199; p. 1240.
- B. F. Goodrich Company, The, New York, N. Y. Rubber hot-water bottles and fountain-syringe bags. No. 100,321; Oct. 20; Gaz. vol. 207; p. 921.
- B. G. Volger Manufacturing Company, Passaic, N. J. Self-inking stamp-pads. Nos. 100,053-4; Sept. 29; Gaz. vol. 206; p. 1434.
- B. & H. Medicine Company, Brewton, Ala. Remedy for malarial fever, &c. No. 96,440; Apr. 21; Gaz. vol. 201; p. 896.
- B. P. Ducas Co., New York, N. Y. Pasty preparation for treating raw or finished textiles. No. 96,402; Apr. 21; Gaz. vol. 201; p. 895.
- Bache, Leigh S., assignor to W. W. Smalley, Boundbrook, N. J. Eggs. No. 99,189; Aug. 25; Gaz. vol. 205; p. 1315.
- Bache, Leigh S., assignor to W. W. Smalley, Boundbrook, N. J. Poultry for breeding. No. 100,191; Oct. 13; Gaz. vol. 207; p. 605.
- Backes & Ferguson, Stockton, Cal. Foot salves and powders. No. 95,730; Mar. 10; Gaz. vol. 200; p. 577.
- Badanes, Samuel E., New York, N. Y. House-dresses, maids' and nurses' dresses, and negligees. No. 96,224; Apr. 14; Gaz. vol. 201; p. 563.
- Badger Cheese Company, Monroe, Wis. Cheese. No. 97,202; May 26; Gaz. vol. 202; p. 1253.
- Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Additions to discharges for printing textile material. No. 95,817; Mar. 17; Gaz. vol. 200; p. 853.
- Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Coloring-matters and chemicals used in dyeing and printing. No. 96,853; May 5; Gaz. vol. 202; p. 311.
- Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Solvents for cellulose esters, resins, &c. No. 97,667; June 16; Gaz. vol. 203; p. 921.
- Badische Company, New York, N. Y. Dye stuff and colors. No. 96,854; May 5; Gaz. vol. 202; p. 311.
- Baedecker, Firm of Karl, Leipzig, Germany. Guides and travelers' hand-books. No. 95,592; Mar. 3; Gaz. vol. 200; p. 273.
- Baehr Manufacturing Co., The, Cleveland, Ohio. Preparation for cleaning beer-pipes. No. 96,773; May 5; Gaz. vol. 202; p. 309.
- Baehr Manufacturing Co., The, Cleveland, Ohio. Mechanical apparatus for cleansing beer-pipes. No. 98,463; July 21; Gaz. vol. 204; p. 1005.
- Baer, Clyde K., Philadelphia, Pa. Laxative pills, tonic medicine, dyspepsia-tablets, &c. No. 96,088; Apr. 7; Gaz. vol. 201; p. 261.
- Baer Manufacturing Co., Philadelphia, Pa. Semaphore signaling devices for automobiles, &c. No. 99,934; Sept. 29; Gaz. vol. 206; p. 1431.
- Baer & Snyder, Philadelphia, Pa. Unguents. No. 100,244; Oct. 20; Gaz. vol. 207; p. 919.
- Bailey Brothers, Inc., Winston-Salem, N. C. Plug-tobacco. No. 98,620; July 28; Gaz. vol. 204; p. 1339.
- Bailey, Charles J., Boston, Mass. Nail-brushes. No. 95,286; Feb. 10; Gaz. vol. 199; p. 611.
- Bailey's Sons & Co., C. M., Winthrop, Me. Oil-cloths. No. 98,464; July 21; Gaz. vol. 204; p. 1005.
- Bailly & Cie., P., Paris, France. Shoulder-braces and suspenders. Nos. 96,855-7; May 5; Gaz. vol. 202; p. 311.
- Bailor Flow Manufacturing Company, The, Atchison, Kans. Cultivators. No. 100,946; Nov. 3; Gaz. vol. 208; p. 333.
- Baker Bread Company, The, Zanesville, Ohio. Bread. Nos. 101,030-1; Nov. 10; Gaz. vol. 208; p. 651.
- Baker Bread Company, Zanesville, Ohio. Bread. No. 101,557; Dec. 29; Gaz. vol. 209; p. 1687.
- Baker Chemical Co., Detroit, Mich. Rheumatic remedy. No. 95,698; Mar. 3; Gaz. vol. 200; p. 276.
- Baker, De Witt C., New York, N. Y. Juvenile golf set in carrying-case. No. 97,128; May 19; Gaz. vol. 202; p. 948.
- Baker, De Witt C., New York, N. Y. Cycles. No. 98,239; July 7; Gaz. vol. 204; p. 313.
- Baker, Moise & Co., Dallas, Tex. Hosiery. No. 98,356; July 14; Gaz. vol. 204; p. 669.
- Baker-Shippee Manufacturing Co., Los Angeles, Cal. Exhausters, cookers, and coolers used in canning foods. No. 100,078; Oct. 6; Gaz. vol. 207; p. 293.
- Baldpate Co., New York, N. Y. Hair-tonic. No. 99,935; Sept. 29; Gaz. vol. 206; p. 1431.
- Baldwin Company, Cincinnati, Ohio. Pianos, player-pianos, and piano-players. No. 101,355; Dec. 8; Gaz. vol. 209; p. 679.
- Baldwin & Walker, Ltd., Halifax, England. Knitting-wools. No. 99,269; Aug. 25; Gaz. vol. 205; p. 1317.
- Baldwin & Walker, Ltd., Halifax, England. Woolen and worsted yarns. No. 99,270; Aug. 25; Gaz. vol. 205; p. 1317.
- Ballard & Ballard Co., Louisville, Ky. Mill feed. No. 94,865; Jan. 13; Gaz. vol. 198; p. 489.
- Ballard & Ballard Co., Louisville, Ky. Certain named foods. No. 97,938; June 30; Gaz. vol. 203; p. 1549.
- Balliet, A. H. (See Doll, Fred W., assignor.)
- Balluteaud, J., Blanzac-Cognac, France. Brandy. No. 100,245; Oct. 20; Gaz. vol. 207; p. 919.
- Ballweg & Greenwald, Brooklyn, N. Y. Candies and chocolates. No. 99,936; Sept. 29; Gaz. vol. 206; p. 1431.
- Balstone, Cooke & Co. Ltd., Manchester, England. Certain named textile fabrics and piece goods. Nos. 95,509-10; Feb. 24; Gaz. vol. 199; p. 1239.
- Baltimore Enamel & Novelty Company, The, Baltimore, Md. Ceramic enamel. No. 100,192; Oct. 13; Gaz. vol. 207; p. 605.
- Bancroft, Harold S., New York, N. Y. Oil used with the cutting and lubrication of metal. No. 96,225; Apr. 14; Gaz. vol. 201; p. 563.
- Bancroft, Jessie H., New York, N. Y. Certain furniture for school, household, office, store, factory, car, and theater. No. 97,387; June 2; Gaz. vol. 203; p. 299.
- Banta, Len A., Clearfield, Pa. Refrigerators, ice-chests, &c. No. 95,287; Feb. 10; Gaz. vol. 199; p. 611.
- Barber & Bennett, Albany, N. Y. Rye, wheat, and buck-wheat flour. No. 95,863; Mar. 24; Gaz. vol. 200; p. 1109.
- Barber, P. T., Omaha, Nebr. Antiseptic wash for the treatment of pyorrhea alveolaris, &c. No. 98,116; July 7; Gaz. vol. 204; p. 309.
- Barclay & Barclay, New York, N. Y. Soaps. No. 97,520; June 9; Gaz. vol. 203; p. 597.
- Barclay, Gaylord A., Newark, N. J. Clothing and certain named articles of merchandise accessory thereto. No. 100,484; Oct. 20; Gaz. vol. 207; p. 926.
- Bardos, Coleman, Jr., New York, N. Y. Organic food tonic. No. 99,378; Aug. 25; Gaz. vol. 205; p. 1320.
- Bardos, Coleman, Jr., New York, N. Y. Sterile solutions for intramuscular and hypodermic injections. No. 100,079; Oct. 6; Gaz. vol. 207; p. 293.
- Bardou, Eugène, Perpignan, France. Books of cigarette-papers. No. 96,226; Apr. 14; Gaz. vol. 201; p. 563.
- Barentine, William M., Augusta, Ga. Blood and liver tonic. No. 97,462; June 9; Gaz. vol. 203; p. 595.
- Barker, Rose & Clinton Co., Elmira, N. Y. Certain named machines, tools, tool-handles, and the like. No. 96,227; Apr. 14; Gaz. vol. 201; p. 563.
- Barlet, Anthony, New York, N. Y. Cakes. No. 98,621; July 28; Gaz. vol. 204; p. 1339.
- Barlow, George W., Jr., New York, N. Y. Ladies' neckwear and neckscarfs. No. 99,535; Sept. 8; Gaz. vol. 206; p. 583.
- Barlow & Seelig Mfg. Co., Ripon, Wis. Washing-machines. No. 96,774; May 5; Gaz. vol. 202; p. 309.
- Barna, Bertalan, New York, N. Y. Menthol-salt spirit. No. 95,391; Feb. 17; Gaz. vol. 199; p. 933.
- Barna, Bertalan, New York, N. Y. Face-powder, cold-cream, and toilet preparations. No. 97,669; June 16; Gaz. vol. 203; p. 921.
- Barnes, Alfred G., Ravenna, Ohio. Cough-syrup powder. No. 98,117; July 7; Gaz. vol. 204; p. 309.
- Barnes, Henry, Cleveland, Ohio. Tooth-brushes. No. 95,864; Mar. 24; Gaz. vol. 200; p. 1109.
- Barnes, Llewellyn T., Sea Cliff, N. Y. Carbureters. No. 97,747; June 16; Gaz. vol. 203; p. 923.
- Barnes Mfg. Co., Mansfield, Ohio. Pumps. No. 95,732; Mar. 10; Gaz. vol. 200; p. 577.

Alphabetical list of registrants of trade-marks—Continued.

- Barnett Samuel & Sons Ltd., London, England. Piano-fortes, piano-players, and automatic pianos. No. 94,866; Jan. 13; Gaz. vol. 198; p. 489.
- Barr Bros. Co. Inc., Oakland, Cal. Spring and solid eye sack, burlap, bag, hop, and packing needles. No. 98,852; Aug. 4; Gaz. vol. 205; p. 300.
- Barr, David, Chicago, Ill. Rheumatism remedies. No. 98,240; July 7; Gaz. vol. 204; p. 313.
- Barrett, Denton & Lynn Co., Dalton, Ga. Wheat-flour. No. 95,976; Mar. 31; Gaz. vol. 200; p. 1385.
- Barrett Manufacturing Company, New York, N. Y. Prepared roofings. No. 95,865; Mar. 24; Gaz. vol. 200; p. 1109.
- Barrett Manufacturing Company, New York, N. Y. Distillates of coal-tar for a preservative coating. No. 96,858; May 5; Gaz. vol. 202; p. 311.
- Barrett Manufacturing Company, New York, N. Y. Bituminous roofing material. No. 97,521; June 9; Gaz. vol. 203; p. 597.
- Barrett Manufacturing Company, New York, N. Y. Prepared roofings. No. 99,271; Aug. 25; Gaz. vol. 205; p. 1317.
- Barrett Manufacturing Company, New York, N. Y. Prepared roofings. Nos. 100,246-8; Oct. 20; Gaz. vol. 207; p. 919.
- Barrett Manufacturing Company, New York, N. Y. Coal-tar, derivatives thereof, and coal-tar products. No. 101,032; Nov. 10; Gaz. vol. 208; p. 651.
- Barrett Manufacturing Company, New York, N. Y. Prepared tar, pitch, and asphalt for roofing, &c. No. 101,356; Dec. 8; Gaz. vol. 209; p. 679.
- Barrett Manufacturing Company, New York, N. Y. Papers, felts, and composite fabrics for roofing, &c. No. 101,357; Dec. 8; Gaz. vol. 209; p. 679.
- Barrie, Caswell, New York, N. Y. Soaps. No. 95,045; Feb. 3; Gaz. vol. 199; p. 297.
- Barse & Hopkins, New York, N. Y. Series of books. No. 100,080; Oct. 6; Gaz. vol. 207; p. 293.
- Barteldes Seed Company, The, Denver, Colo. Certain named agricultural and horticultural seeds. No. 95,288; Feb. 10; Gaz. vol. 199; p. 611.
- Bartels & Thelen Company, Chelsea, Mass. Leather boots and shoes. No. 98,995; Aug. 11; Gaz. vol. 205; p. 657.
- Bartolotta & Co., S., New Orleans, La. Alimentary paste products. No. 99,035; Aug. 11; Gaz. vol. 205; p. 658.
- Barton Salt Company, The, Hutchinson, Kans. Salt. No. 97,668; June 16; Gaz. vol. 203; p. 921.
- Barvier, Raymond, New York, N. Y. Preserved fish products. No. 96,389; Apr. 21; Gaz. vol. 201; p. 895.
- Basch, David, New York, N. Y. Belts for personal wear. No. 97,030; May 19; Gaz. vol. 202; p. 945.
- Basler Machinery Co., The, Lynn, Mass. Compound for treating sole-leather. No. 95,511; Feb. 24; Gaz. vol. 199; p. 1239.
- Bates, Arthur J., Bridgeport, Conn. Salve. No. 98,996; Aug. 11; Gaz. vol. 205; p. 657.
- Batterton, Henry F., Birmingham, Ala. Coffee and mixtures of coffee and chicory. No. 98,622; July 28; Gaz. vol. 204; p. 1339.
- Bauer & Black, Chicago, Ill. Porous plasters. Nos. 96,089-90; Apr. 7; Gaz. vol. 201; p. 261.
- Baum & Company, Beaumont, Tex. Remedy for sore heads of chickens. No. 98,118; July 7; Gaz. vol. 204; p. 309.
- Baumann, Margrith, New York, N. Y. Hair-tonic. No. 95,289; Feb. 10; Gaz. vol. 199; p. 611.
- Baumert & Company, F. X., New York, N. Y. Cheese. No. 97,031; May 19; Gaz. vol. 202; p. 945.
- Bay City Dredge Works, Bay City, Mich. Dredging apparatus. No. 99,937; Sept. 29; Gaz. vol. 206; p. 1431.
- Bay State Milling Co., Winona, Minn. Wheat-flour. No. 99,682; Sept. 15; Gaz. vol. 206; p. 869.
- Bayer Company, Inc., The, New York, N. Y. Cardiac tonic and diuretic. No. 96,390; Apr. 21; Gaz. vol. 201; p. 895.
- Bayer Company, Inc., The, New York, N. Y. Photographic chemicals. No. 97,670; June 16; Gaz. vol. 203; p. 921.
- Bayer Company, The, Inc., New York, N. Y. Antisyphilitic. No. 98,740; Aug. 4; Gaz. vol. 205; p. 297.
- Bayer, Eva, Baltimore county, Md. Salves. No. 95,734; Mar. 10; Gaz. vol. 200; p. 577.
- Bayless Coffee and Spice Mills, Lexington, Ky. Coffee, rice, tea, and peanuts. No. 95,867; Mar. 24; Gaz. vol. 200; p. 1109.
- Bayway Chemical Company, Elizabeth, N. J. Disinfectant. No. 96,391; Apr. 21; Gaz. vol. 201; p. 895.
- Bayway Chemical Company, Elizabeth, N. J. Disinfectant. No. 96,483; Apr. 21; Gaz. vol. 201; p. 898.
- Bayway Chemical Company, Elizabeth, N. J. Certain liquid protective coating. No. 98,119; July 7; Gaz. vol. 204; p. 309.
- Bayway Chemical Company, Elizabeth, N. J. Liquid protective coating composed of certain named ingredients. No. 99,272; Aug. 25; Gaz. vol. 205; p. 1317.
- Beacon Falls Rubber Shoe Company, The, Beacon Falls, Conn. Rubber boots, &c. No. 95,389; Feb. 17; Gaz. vol. 199; p. 933.
- Beacon Falls Rubber Shoe Company, The, Beacon Falls, Conn. Rubber boots, shoes, overshoes, sandals, &c. No. 97,463; June 9; Gaz. vol. 203; p. 595.
- Beacon Falls Rubber Shoe Company, The, Beacon Falls, Conn. Boots and shoes. No. 97,805; June 23; Gaz. vol. 203; p. 1255.
- Beacon Manufacturing Co., Providence, R. I., and New York, N. Y. Napped cotton goods. No. 99,536; Sept. 8; Gaz. vol. 206; p. 583.
- Beacon Manufacturing Co., Providence, R. I., and New York, N. Y. Quilts. No. 99,537; Sept. 8; Gaz. vol. 206; p. 583.
- Beacon Manufacturing Co., Providence, R. I., and New York, N. Y. Cotton rugs and textile bath-mats. No. 99,538; Sept. 8; Gaz. vol. 206; p. 583.
- Beacon Manufacturing Co., Providence, R. I., and New York, N. Y. Robe-flannel in the piece. No. 99,539; Sept. 8; Gaz. vol. 206; p. 583.
- Beacon Manufacturing Co., Providence, R. I., and New York, N. Y. Cotton goods in the piece. No. 100,249; Oct. 20; Gaz. vol. 207; p. 919.
- Beacon Manufacturing Co., Providence, R. I., and New York, N. Y. Steamer-rugs. No. 100,486; Oct. 20; Gaz. vol. 207; p. 926.
- Beacon Miniature Electric Company, New York, N. Y. Electric flash-light lamps. No. 94,978; Jan. 20; Gaz. vol. 198; p. 699.
- Bean Spray Pump Co., San Jose, Cal. Pumps and discharge-nozzles for spraying trees, fruits, &c. No. 97,748; June 16; Gaz. vol. 203; p. 923.
- Beatey's Unadulterated Agricultural Phosphate Company of New England, Boston, Mass. Fertilizers. No. 100,250; Oct. 20; Gaz. vol. 207; p. 919.
- Beauvais, Alexander, New York, N. Y. Substitute for sugar for use in diabetes, obesity, gout, and rheumatism. No. 99,379; Aug. 25; Gaz. vol. 205; p. 1320.
- Beaver Company, The, Tonawanda, N. Y. Pulp or fiber board and building-paper. No. 96,775; May 5; Gaz. vol. 202; p. 309.
- Beaver Valley Milling Company, Des Moines, Iowa. Wheat-flour and cornmeal. No. 100,750; Oct. 27; Gaz. vol. 207; p. 1241.
- Beaver, William H., Philadelphia, Pa. Writing-paper. No. 97,671; June 16; Gaz. vol. 203; p. 921.
- Beck Company, Charles, Philadelphia, Pa. Printers' and box-covering paper. No. 101,441; Dec. 15; Gaz. vol. 209; p. 1049.
- Becker, Bock & Company, Chicago, Ill. Foot-powder. No. 97,939; June 30; Gaz. vol. 203; p. 1549.
- Becker, Henry, St. Louis, Mo. Cigars. No. 101,124; Nov. 17; Gaz. vol. 208; p. 979.
- Becker & Langenberg Milling Company, Republic, Mo. Wheat-flour. No. 98,241; July 7; Gaz. vol. 204; p. 313.
- Becker & Langenberg Milling Company, Republic, Mo. Wheat-flour. No. 98,466; July 21; Gaz. vol. 204; p. 1005.
- Bee Bee Confection Company, The, Dayton, Ohio. Chewing-gum. No. 99,683; Sept. 15; Gaz. vol. 206; p. 869.
- Beebe, Berton, East St. Louis, Ill. Flour. No. 96,091; Apr. 7; Gaz. vol. 201; p. 261.
- Beebe, Eleanor M., New York, N. Y. Hosiery and knitted under and outer wear. No. 95,290; Feb. 10; Gaz. vol. 199; p. 611.
- Beet Sugar Gazette Co., Chicago, Ill., and New York, N. Y. Technical journal. No. 97,806; June 23; Gaz. vol. 203; p. 1255.
- Beggs Manufacturing Co., Chicago, Ill. Blood remedy. No. 100,751; Oct. 27; Gaz. vol. 207; p. 1241.
- Beiersdorf & Co., P., Hamburg, Germany. Soap. No. 95,977; Mar. 31; Gaz. vol. 200; p. 1385.
- Beiersdorf & Co., P., Hamburg, Germany. Hygienic and cosmetic preparations for the hair. No. 98,468; July 21; Gaz. vol. 204; p. 1005.
- Beiersdorf & Co., P., Hamburg, Germany. Perfumery, &c. No. 100,487; Oct. 20; Gaz. vol. 207; p. 926.
- Bel Zora Company, Pierre, S. D., and Minneapolis, Minn. Certain named pharmaceutical preparations and medicines. No. 101,125; Nov. 17; Gaz. vol. 208; p. 979.
- Belchner, Joseph A., Portland, Me. Compound to secure in place artificial teeth. No. 96,931; May 12; Gaz. vol. 202; p. 627.
- Belden, Alfred G., New York, N. Y. Pure Russian mineral product for treatment of certain named diseases. No. 101,033; Nov. 10; Gaz. vol. 208; p. 651.
- Béliné, Henri, Langres, France. Certain named knives, scissors, shears, razors, &c. No. 100,488; Oct. 20; Gaz. vol. 207; p. 926.
- Bell & Co. Inc., Orangeburg, N. Y. Medicinal remedy for indigestion. No. 97,203; May 26; Gaz. vol. 202; p. 1253.
- Bell & Co., Inc., Orangeburg, N. Y. Remedy for treatment of dyspepsia. No. 99,837; Sept. 22; Gaz. vol. 206; p. 1157.
- Belle Vernon Mapes Dairy Company, The, Cleveland, Ohio. Milk. No. 95,869; Mar. 24; Gaz. vol. 200; p. 1109.
- Bellino, Vincenzo S., Philadelphia, Pa. Photographs. No. 95,735; Mar. 10; Gaz. vol. 200; p. 577.
- Bellon, Cochet & Co., Lyon, France. Gloves. No. 97,032; May 19; Gaz. vol. 202; p. 945.
- Ben Gershel & Co., New York, N. Y. Women's and misses' cloth suits. No. 98,656; July 28; Gaz. vol. 204; p. 1340.

Alphabetical list of registrants of trade-marks—Continued.

- Benario, Jakob, Frankfort-on-the-Main, Germany. Adhesive plasters and wound-salves. No. 98,121; July 7; Gaz. vol. 204; p. 309.
- Bender, Emil, Kaiserslautern, Germany. Bandages. No. 100,947; Nov. 3; Gaz. vol. 208; p. 333.
- Benedict, George, Philadelphia, Pa. Non-alcoholic beverage. No. 94,798; Jan. 6; Gaz. vol. 198; p. 235.
- Benfer Manufacturing Company, The, Cleveland, Ohio. Cleaning compounds. No. 96,632; Apr. 28; Gaz. vol. 201; p. 1213.
- Benford Manufacturing Co., Mount Vernon, N. Y. Spark-plugs. No. 95,047; Feb. 3; Gaz. vol. 199; p. 297.
- Benj. T. Crump Co. Inc., Richmond, Va. Harness, saddles, collars, bridles, and horse-clothing. No. 95,891; Mar. 24; Gaz. vol. 200; p. 1110.
- Bennett & Co., E. W., San Francisco, Cal. Metal-polish. No. 95,593; Mar. 3; Gaz. vol. 200; p. 273.
- Bennett, F. R., Newark Valley, N. Y. Flavoring extracts for foods. No. 94,867; Jan. 13; Gaz. vol. 198; p. 489.
- Bennett, Horace A., Boston, Mass. Rheumatic and lumbago remedy, tonic, and blood-purifier. No. 95,699; Mar. 3; Gaz. vol. 200; p. 276.
- Bennett Milling Co., Geneva, Ill. Self-rising pancake-flour. No. 94,868; Jan. 13; Gaz. vol. 198; p. 489.
- Bennett Milling Co., Geneva, Ill. Self-rising buckwheat-flour and wheat compound. No. 95,199; Feb. 3; Gaz. vol. 199; p. 301.
- Bennett Milling Co., Geneva, Ill. Certain named foods. No. 101,502; Dec. 22; Gaz. vol. 209; p. 1313.
- Benolite Company, Pittsburgh, Pa. Varnishes, &c., for electrical insulation. No. 97,672; June 16; Gaz. vol. 203; p. 921.
- Benson, William E., St. Paul, Minn. Lubricating-oil. No. 100,753; Oct. 27; Gaz. vol. 207; p. 1241.
- Bentzon, Malcolm, London, England. Spectacles and eyeglasses. No. 95,512; Feb. 24; Gaz. vol. 199; p. 1239.
- Berebaum, Lee E., Chicago, Ill. Hose-supporters and suspenders. No. 98,242; July 7; Gaz. vol. 204; p. 313.
- Berg, Albert, Marysville, Cal. Cleaning preparation for certain materials and for removing ink-stains. No. 95,241; Feb. 3; Gaz. vol. 199; p. 303.
- Berg, Louis R., New York, N. Y. Playing-card. No. 95,870; Mar. 24; Gaz. vol. 200; p. 1109.
- Bergendahl, Frederick W., Englewood, N. J. Candy. No. 96,776; May 5; Gaz. vol. 202; p. 309.
- Bergman, Adolph, Philadelphia, Pa. Knit goods. No. 95,871; Mar. 24; Gaz. vol. 200; p. 1109.
- Bergmeyer, Otto, Dayton, Ky. Gonorrhea remedy. No. 95,242; Feb. 3; Gaz. vol. 199; p. 303.
- Berkowitz & Guttmann, New York, N. Y. Suspenders, belts, garters, and armbands. No. 96,484; Apr. 21; Gaz. vol. 201; p. 898.
- Berlin Chemical Laboratories, Inc., New York, N. Y. Tonic for treatment of certain ailments. No. 95,390; Feb. 17; Gaz. vol. 199; p. 933.
- Berlin Laboratory, Ltd., Inc., New York, N. Y. Medical preparations for use as a spray in nose or throat affections. No. 100,754; Oct. 27; Gaz. vol. 207; p. 1241.
- Berlin Laboratory, Ltd., Inc., New York, N. Y. Medical preparations for gastro-intestinal disturbances. No. 100,755; Oct. 27; Gaz. vol. 207; p. 1241.
- Berlin Machine Works, The, Beloit, Wis. Certain named woodworking and wood and metal finishing machines. No. 97,749; June 16; Gaz. vol. 203; p. 923.
- Bernagozzi, William P., New York, N. Y. Cordials, whisky, and brandy. No. 96,229; Apr. 14; Gaz. vol. 201; p. 563.
- Berne Manufacturing Company, Berne, Ind. Overalls, shirts, and blouses. No. 100,490; Oct. 20; Gaz. vol. 207; p. 926.
- Berry Brothers, Detroit, Mich. Stains, varnishes, and a combined stain and varnish. No. 98,997; Aug. 11; Gaz. vol. 205; p. 657.
- Berry Brothers, Detroit, Mich. Shellac gum. No. 99,192; Aug. 25; Gaz. vol. 205; p. 1315.
- Berry Brothers, Detroit, Mich. Shellac varnish. No. 100,081; Oct. 6; Gaz. vol. 207; p. 293.
- Berry & Co., C., Boston, Mass. Whisky. No. 95,736; Mar. 10; Gaz. vol. 200; p. 577.
- Berry & Co., C., Boston, Mass. Whisky. No. 95,978; Mar. 31; Gaz. vol. 200; p. 1385.
- Bertram, Ludwig, Hanover, Germany. Surgical rubber goods, rubber teats, nipples, and sponges. No. 100,491; Oct. 20; Gaz. vol. 207; p. 926.
- Bertsch, Alfred, Gundershofen, near Strassburg, Germany. Positive black print-paper. No. 99,273; Aug. 25; Gaz. vol. 205; p. 1317.
- Bessire & Company, Indianapolis, Ind., and Louisville, Ky. Ice-cream cones. No. 97,204; May 26; Gaz. vol. 202; p. 1253.
- Best-Clymer Mfg. Co., St. Louis, Mo. Mince-pie filling, fruit preserves and jelly, and apple-butter. No. 95,872; Mar. 24; Gaz. vol. 200; p. 1109.
- Best-Clymer Mfg. Co., St. Louis, Mo. Fruit jelly and preserves, mustard, and minced pie-filling. No. 96,092; Apr. 7; Gaz. vol. 201; p. 261.
- Best-Clymer Mfg. Co., St. Louis, Mo. Fruit preserves. No. 96,093; Apr. 7; Gaz. vol. 201; p. 261.
- Best-Clymer Mfg. Co., St. Louis, Mo. Fruit preserves. No. 96,393; Apr. 21; Gaz. vol. 201; p. 895.
- Best-Clymer Mfg. Co., St. Louis, Mo. Certain named foods. No. 97,588; June 16; Gaz. vol. 203; p. 919.
- Best & Company, New York, N. Y. Leather shoes. No. 95,873; Mar. 24; Gaz. vol. 200; p. 1109.
- Best, Richard, New York, N. Y. Lead-pencils. No. 98,036; June 30; Gaz. vol. 203; p. 1552.
- Bethenod, Joseph, Paris, France. Apparatus for electric lighting of vehicles, lighting dynamos, &c. No. 100,948; Nov. 3; Gaz. vol. 208; p. 333.
- Betz-Pierce Company, The, Cleveland, Ohio. Tool-steel and steel in certain named forms. No. 95,048; Feb. 3; Gaz. vol. 199; p. 297.
- Beyerle Mfg. Co., J. J., Brooklyn, N. Y. Toilet powder. No. 98,122; July 7; Gaz. vol. 204; p. 309.
- Bibeault, Philippe, Woonsocket, R. I. Billiard balls and tables. No. 96,094; Apr. 7; Gaz. vol. 201; p. 261.
- Bickford & Sweet, Worcester, Mass. Slippers and slipper-soles. No. 96,563; Apr. 21; Gaz. vol. 201; p. 900.
- Bielefelder Nähmaschinen-Fabrik Baer & Rempel, Bielefeld, Germany. Sewing-machines and parts thereof. No. 97,750; June 16; Gaz. vol. 203; p. 923.
- Biesolt & Locke, Meissner Nähmaschinenfabrik, Meissen, Germany. Sewing-machines and parts thereof. No. 97,310; June 2; Gaz. vol. 203; p. 297.
- Biesolt & Locke, Meissner Nähmaschinenfabrik, Meissen, Germany. Sewing-machines and parts thereof. Nos. 97,807-8; June 23; Gaz. vol. 203; p. 1255.
- Biette & Fils, A., Nantes, France. Soap. No. 96,633; Apr. 28; Gaz. vol. 201; p. 1213.
- Bigelow & Dowse Company, Boston, Mass. Base-balls, mitts, base-ball, batting, and sporting gloves. No. 99,419; Sept. 1; Gaz. vol. 206; p. 307.
- Bigham, Herbert C., Peoria, Ill. Paint for waterproofing canvas duck. No. 100,756; Oct. 27; Gaz. vol. 207; p. 1241.
- Bill Deezy Company, Boston, Mass. Construction members. No. 97,205; May 26; Gaz. vol. 202; p. 1253.
- Billups, Cecil, Norfolk, Va. Plows, moldboards, landsides, points, and plow-beams. Nos. 96,231-5; Apr. 14; Gaz. vol. 201; p. 563.
- Billups, Cecil, Norfolk, Va. Certain named agricultural implements. No. 96,485; Apr. 21; Gaz. vol. 201; p. 898.
- Billups, Cecil, Norfolk, Va. Plows, moldboards, landsides, points, plow-beams, harrows, &c. No. 96,486; Apr. 21; Gaz. vol. 201; p. 898.
- Billups, Cecil, Norfolk, Va. Plows, moldboards, landsides, points, and plow-beams. No. 96,634; Apr. 28; Gaz. vol. 201; p. 1213.
- Biltmore Shirt, Inc., New York, N. Y. Shirts, pajamas, and nightgowns. No. 97,751; June 16; Gaz. vol. 203; p. 923.
- Binghamton Boiler Compound Company, Binghamton, N. Y. Chemical steam-boiler compounds. No. 95,513; Feb. 24; Gaz. vol. 199; p. 1239.
- Binney & Smith Company, East Orange, N. J., and New York, N. Y. Crayons. No. 96,236; Apr. 14; Gaz. vol. 201; p. 563.
- Binney & Smith Company, East Orange, N. J., and New York, N. Y. Crayons. No. 99,838; Sept. 22; Gaz. vol. 206; p. 1157.
- Binney & Smith Company, New York, N. Y. Dry pigment for solid and semisolid inks. No. 96,932; May 12; Gaz. vol. 202; p. 627.
- Biondy, Marius, Philadelphia, Pa. Toilet powders, lotions, and creams, hair restorers and dressings. No. 97,206; May 26; Gaz. vol. 202; p. 1253.
- Birdsey-Somers Co., New York, N. Y. Corset-steels. No. 97,033; May 19; Gaz. vol. 202; p. 945.
- Birkett Mills, The, Penn Yan, N. Y. Self-rising wheat-flour. No. 99,036; Aug. 11; Gaz. vol. 205; p. 658.
- Birmingham Photographic Co., Ltd., Birmingham, England. Photographic plates, sensitized papers, and films. No. 97,809; June 23; Gaz. vol. 203; p. 1255.
- Bischof, Sterne & Stein, Cincinnati, Ohio. Coats and suits. No. 99,127; Aug. 18; Gaz. vol. 205; p. 1016.
- Biscuitfabriek "de Lindeboom" firma Wed. B. van Doesburg, Mijdrecht and Amsterdam, Netherlands. Wafers, biscuits, and crackers. No. 95,200; Feb. 3; Gaz. vol. 199; p. 301.
- Bishoff, L. H., Braddock, Pa. Coffee. No. 95,874; Mar. 24; Gaz. vol. 200; p. 1109.
- Bitter Root Valley Orchards, Incorporated, Ravalli county, Mont. Fresh apples, pears, and cherries. No. 97,589; June 16; Gaz. vol. 203; p. 919.
- Bitting, William L., Sherman, Tex., assignor to Koke Company of America. Non-alcoholic beverage. No. 94,869; Jan. 13; Gaz. vol. 198; p. 489.
- Bixby Company, Decatur, Ill. Burial-shoes. No. 97,034; May 19; Gaz. vol. 202; p. 945.
- Bixler, Miles F., Cleveland, Ohio. Finger-rings. No. 97,035; May 19; Gaz. vol. 202; p. 945.
- Bixler, Miles F., Cleveland, Ohio. Certain named gold-filled articles of jewelry. No. 101,247; Nov. 17; Gaz. vol. 208; p. 983.
- Black Hills Wholesale Grocery Company, Rapid City, S. D. Canned fruits, vegetables, and fish, coffee, spices, and mince-meat. No. 96,933; May 12; Gaz. vol. 202; p. 627.
- Black Manufacturing Company, The, Seattle, Wash. Overalls, mackinaws, waterproof outer garments, &c. No. 100,949; Nov. 3; Gaz. vol. 208; p. 333.

Alphabetical list of registrants of trade-marks—Continued.

- Blackley, Anna J., Philadelphia, Pa. Cheese. No. 99,540; Sept. 8; Gaz. vol. 206; p. 583.
- Blackstone Manufacturing Company, The, Jamestown, N. Y. Washing-machines. Nos. 96,237-9; Apr. 14; Gaz. vol. 201; p. 563.
- Blackwell, St. Leger, Cleburne, Tex. Preparation for the treatment of certain named diseases. No. 98,469; July 21; Gaz. vol. 204; p. 1005.
- Blades, Harvey, Chambersburg, Pa. Medicinal preparation for rheumatism. No. 98,470; July 21; Gaz. vol. 204; p. 1005.
- Blanke-Baer Chemical Co., St. Louis, Mo. Cherries and bouillon. No. 97,940; June 30; Gaz. vol. 203; p. 1549.
- Blasdel Milk Producer Co., Ballinger, Tex. Tonic for stock. No. 100,082; Oct. 6; Gaz. vol. 207; p. 293.
- Blase, Louis, Philadelphia, Pa. Cigars, cigarettes, and smoking and chewing tobacco. No. 99,684; Sept. 15; Gaz. vol. 206; p. 869.
- Blaustein, Louis, Baltimore, Md. Lubricating-oils. No. 97,673; June 16; Gaz. vol. 203; p. 921.
- Blauevelt, Augustus, Paterson, N. J. Preparation for treatment of certain named diseases. No. 99,839; Sept. 22; Gaz. vol. 206; p. 1157.
- Bleecker, Miles L., New York, N. Y. Boys' and girls' leather shoes. No. 100,252; Oct. 20; Gaz. vol. 207; p. 919.
- Bleendes, Morris, Brooklyn, N. Y. Dress-forms. No. 95,049; Feb. 3; Gaz. vol. 199; p. 297.
- Blind Tea Agency, Ltd., The, London, England. Tea, coffee, cocoa, chocolate, and chicory. No. 96,564; Apr. 21; Gaz. vol. 201; p. 900.
- Bliss Brothers Company, Attleboro, Mass. Certain named jewelry made of precious metal. No. 101,559; Dec. 29; Gaz. vol. 209; p. 1687.
- Bloch, Johanna, New York, N. Y. Scalp-salves and hair-restoring applications. No. 100,950; Nov. 3; Gaz. vol. 208; p. 333.
- Block Company, Frank E., Atlanta, Ga. Crackers. No. 95,201; Feb. 3; Gaz. vol. 199; p. 301.
- Block, Harry, St. Joseph, Mo. Overcoats. No. 96,240; Apr. 14; Gaz. vol. 201; p. 563.
- Blodgett Milling Co., The, Janesville, Wis. Buckwheat-flour. No. 95,876; Mar. 24; Gaz. vol. 200; p. 1109.
- Blodgett Milling Co., The, Janesville, Wis. Buckwheat-flour. No. 97,115; May 19; Gaz. vol. 202; p. 947.
- Bloom & Millman, New York, N. Y. Outer waists for women and girls. No. 100,757; Oct. 27; Gaz. vol. 207; p. 1241.
- Bloom, William, New York, N. Y. Men's waistcoats and vests. No. 101,360; Dec. 8; Gaz. vol. 209; p. 679.
- Blouin, Albert J., Houston, Tex. Overalls, uniform jumpers, and trousers. No. 95,050; Feb. 3; Gaz. vol. 199; p. 297.
- Blow, Harry L., Tuckerton, N. J. Ointment. No. 99,685; Sept. 15; Gaz. vol. 206; p. 869.
- Blue Bell Overall Company, Greensboro, N. C. Overalls, work trousers and shirts. No. 97,311; June 2; Gaz. vol. 203; p. 297.
- Blum, Lottie C., Cleveland, Ohio, and New York, N. Y. Shampoo-tonic. No. 96,859; May 5; Gaz. vol. 202; p. 311.
- Blum, Moses B., Baltimore, Md. Massage-cream. No. 94,799; Jan. 6; Gaz. vol. 198; p. 235.
- Blumenthal & Co., B., New York, N. Y. Buttons. No. 100,253; Oct. 20; Gaz. vol. 207; p. 919.
- Blumenthal, E. M., Chicago, Ill. Filter-pulp. No. 97,388; June 2; Gaz. vol. 203; p. 299.
- Blyn Shoe Manufacturing Company, New York, N. Y. Leather boots and shoes. No. 96,241; Apr. 14; Gaz. vol. 201; p. 563.
- Boa-Lie Gesellschaft mit beschränkter Haftung, Charlottenburg, Germany. Lemonade, limeade, orangeade, cherryade, &c. No. 95,877; Mar. 24; Gaz. vol. 200; p. 1109.
- Bob & Baskind, New York, N. Y. Dress and negligée shirts. No. 94,871; Jan. 13; Gaz. vol. 198; p. 489.
- Boehringer & Soehne, C. F., Mannheim-Waldhof, Germany. Double salt of narcotin and morphin. No. 96,860; May 5; Gaz. vol. 202; p. 311.
- Boehringer & Soehne, C. F., Mannheim-Waldhof, Germany. Yeast-fat as a remedy for boils, acne, constipation, &c. No. 97,116; May 19; Gaz. vol. 202; p. 947.
- Boetticher & Kellogg Co., Evansville, Ind. Certain named tools. No. 98,123; July 7; Gaz. vol. 204; p. 309.
- Bogert & Greenbank, New York, N. Y. Wheat-flour. No. 95,878; Mar. 24; Gaz. vol. 200; p. 1109.
- Boggs, Charles O., San Francisco, Cal. Bread. No. 99,541; Sept. 8; Gaz. vol. 206; p. 583.
- Böhmische Pilsner Brauerei Aktien-Gesellschaft in Pilsen, Pilsen, Austria-Hungary. Beer. No. 98,741; Aug. 4; Gaz. vol. 205; p. 297.
- Bohnenkamp, William A., St. Louis, Mo. Cold-cream preparation. No. 98,037; June 30; Gaz. vol. 203; p. 1552.
- Boles, George I., Philadelphia, Pa. Stock-bond registers in printed blank forms. No. 98,243; July 7; Gaz. vol. 204; p. 313.
- Bolté & Weyer Co., The, Chicago, Ill. Automobile-pumps. Nos. 99,938-9; Sept. 29; Gaz. vol. 206; p. 1431.
- Bon Ami Co., The, New York, N. Y. Scouring-soap. No. 99,079; Aug. 18; Gaz. vol. 205; p. 1015.
- Bon Arbor Chemical Co., Paterson, N. J. Worm-eradicator, weed and insect destroyers, and disinfectants. No. 94,979; Jan. 20; Gaz. vol. 198; p. 699.
- Bon-Bon Company, New York, N. Y., assignor, by mesne assignments, to Sterling Gum Company, Inc. Chewing-gum. No. 100,193; Oct. 13; Gaz. vol. 207; p. 605.
- Bonnell, J. Harper, 2d, New York, N. Y. Cigarettes. No. 96,242; Apr. 14; Gaz. vol. 201; p. 563.
- Bonnet-Brown Sales Service, Chicago, Ill. Prints, publications, pictorial illustrations, and books. No. 98,244; July 7; Gaz. vol. 204; p. 313.
- Bonney Vise & Tool Works, Inc., Philadelphia and Allentown, Pa., and New York, N. Y. Certain named cement-working tools. No. 95,737; Mar. 10; Gaz. vol. 200; p. 577.
- Bonney Vise & Tool Works Inc., Philadelphia and Allentown, Pa., and New York, N. Y. Wrenches. No. 99,274; Aug. 25; Gaz. vol. 205; p. 1317.
- Bonney Vise & Tool Works, Inc., Philadelphia and Allentown, Pa., and New York, N. Y. Certain named metal castings and forgings. No. 100,084; Oct. 6; Gaz. vol. 207; p. 293.
- Booker, Sallie, North Birmingham, Ala. Straightening-oil, temple-restorer, and hair-grower. No. 95,514; Feb. 24; Gaz. vol. 199; p. 1239.
- Booraem, John F., New York, N. Y. Expansion-bolts. No. 97,810; June 23; Gaz. vol. 203; p. 1255.
- Booth, Alba C., Burlington, Vt. Tooth-brushes. No. 99,139; Aug. 18; Gaz. vol. 205; p. 1017.
- Booth Fisheries Company, Chicago, Ill. Oysters, clams, shrimps, lobsters, and fish. No. 94,872; Jan. 13; Gaz. vol. 198; p. 489.
- Booth, Frederick N., Honolulu, Hawaii. Ointment. No. 97,389; June 2; Gaz. vol. 203; p. 299.
- Booth's Distillery Limited, London, England. Straight dry gin. No. 98,245; July 7; Gaz. vol. 204; p. 313.
- Borden's Condensed Milk Co., New York, N. Y. Condensed milk. No. 96,095; Apr. 7; Gaz. vol. 201; p. 261.
- Borden's Condensed Milk Co., New York, N. Y. Ice-cream. No. 96,861; May 5; Gaz. vol. 202; p. 311.
- Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y. Condensed milk. No. 99,194; Aug. 25; Gaz. vol. 205; p. 1315.
- Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y. Milk, condensed milk, cream, &c. No. 101,127; Nov. 17; Gaz. vol. 208; p. 979.
- Bormann, May, New York, N. Y. Hosiery. No. 95,882; Mar. 24; Gaz. vol. 200; p. 1109.
- Boro Salicine Co., Philadelphia, Pa. Medicinal tablets for a laxative and indigestion. No. 95,294; Feb. 10; Gaz. vol. 199; p. 611.
- Borsig, Firm of A., Tegel, near Berlin, Germany. Pumps and compressors, pump-valves, wind-kettles, and conduits. No. 100,085; Oct. 6; Gaz. vol. 207; p. 293.
- Borwick, Cruger H., New York, N. Y. Shampoo preparation, toilet powders and creams. No. 95,981; Mar. 31; Gaz. vol. 200; p. 1385.
- Bosco, Vincent F., New York, N. Y. Still and sparkling wines. No. 95,515; Feb. 24; Gaz. vol. 199; p. 1239.
- Boston Food Products Company, East Boston, Mass. Canned cod-fish balls, brown bread, and baked beans. No. 98,625; July 28; Gaz. vol. 204; p. 1339.
- Boston Index Card Company, Boston, Mass. Writing, printing, and wrapping paper and cards. No. 98,039; June 30; Gaz. vol. 203; p. 1552.
- Boston Rubber Shoe Company, Malden and Boston, Mass. Rubber boots and shoes. No. 94,873; Jan. 13; Gaz. vol. 198; p. 489.
- Bouché, Paul, New York, N. Y. Alcoholic fruit-juice. No. 100,258; Oct. 20; Gaz. vol. 207; p. 919.
- Bourgeois, Robert E., Gramercy, La. Remedy for hemorrhoids. No. 96,565; Apr. 21; Gaz. vol. 201; p. 900.
- Boutwell, Milne & Varnum Co., Barre, Vt. Granite blocks and monumental stones. No. 95,516; Feb. 24; Gaz. vol. 199; p. 1239.
- Boutwell, William R., Norfolk, Va. Propellers. No. 96,639; Apr. 28; Gaz. vol. 201; p. 1213.
- Bovine Company, The, New York, N. Y. Beef-juices and meat extracts. No. 97,590; June 16; Gaz. vol. 203; p. 919.
- Bowers Brothers, Inc., Richmond, Va. Coffee. Nos. 97,941-4; June 30; Gaz. vol. 203; p. 1549.
- Bowers Brothers Inc., Richmond, Va. Coffee. No. 99,542; Sept. 8; Gaz. vol. 206; p. 583.
- Bowersock Mills & Power Co., Lawrence, Kans. Wheat-flour. No. 96,394; Apr. 21; Gaz. vol. 201; p. 895.
- Bowker Fertilizer Co., New York, N. Y. Fertilizers. No. 97,208; May 26; Gaz. vol. 202; p. 1253.
- Bowne Manufacturing Company, Poughkeepsie, N. Y. Candy. No. 101,266; Nov. 24; Gaz. vol. 208; p. 1351.
- Bowring & Company, New York, N. Y. Turpentine. No. 97,312; June 2; Gaz. vol. 203; p. 297.
- Boy Scouts of America, New York, N. Y. Articles of clothing. No. 95,883; Mar. 24; Gaz. vol. 200; p. 1109.
- Boy Scouts of America, New York, N. Y. Certain named articles of clothing. No. 96,243; Apr. 14; Gaz. vol. 201; p. 563.

- Boyce, Wheeler & Boyce, New York, N. Y. Knit undershirts, union suits, and ladies' vests. No. 96,244; Apr. 14; Gaz. vol. 201; p. 563.
- Boyer, Frederick W., Cleveland, Ohio. Paint and varnish cleanser and polish. No. 100,195; Oct. 13; Gaz. vol. 207; p. 605.
- Boyle, Joseph B., Westminster, Md. Foot-powder. No. 101,128; Nov. 17; Gaz. vol. 208; p. 979.
- Boynton, Howard W., New York, N. Y. Washing-powder. No. 95,051; Feb. 3; Gaz. vol. 199; p. 297.
- Bradley Candy Co., Marshfield, Oreg. Candy. No. 95,700; Mar. 3; Gaz. vol. 200; p. 276.
- Bradley & Hubbard Mfg. Co., Meriden, Conn. Electric lamps. No. 100,086; Oct. 6; Gaz. vol. 207; p. 293.
- Bradley, Porte M., Joplin, Mo. Heating and cooking stoves. No. 98,246; July 7; Gaz. vol. 204; p. 313.
- Bradley, Thos. W., Bluefield, W. Va. Antiseptic solution. No. 98,743; Aug. 4; Gaz. vol. 205; p. 297.
- Bradner Smith & Co., Chicago, Ill. Paper for writing and printing and envelops. Nos. 96,356-8; Apr. 14; Gaz. vol. 201; p. 567.
- Bradner Smith & Co., Chicago, Ill. Paper for writing and printing and envelops. No. 96,610; Apr. 21; Gaz. vol. 201; p. 901.
- Bradner Smith & Co., Chicago, Ill. Paper for writing and printing and envelops. No. 99,910; Sept. 22; Gaz. vol. 206; p. 1159.
- Brady, George W., Chicago, Ill. Photographic films and plates. No. 94,874; Jan. 13; Gaz. vol. 198; p. 489.
- Bragassa, James B., Tulsa, Okla. Poultry food. No. 96,936; May 12; Gaz. vol. 202; p. 627.
- Brainard Roller Mills, Brainard, Nebr. Wheat-flour. No. 101,503; Dec. 22; Gaz. vol. 209; p. 1313.
- Brainerd and Armstrong Co., New London, Conn. Certain named thread and yarn. No. 94,981; Jan. 20; Gaz. vol. 198; p. 699.
- Brame Drug Company Inc., Northwilkeshoro, N. C. Certain named chemicals, medicines, and pharmaceutical preparations. No. 98,744; Aug. 4; Gaz. vol. 205; p. 297.
- Brandt, Max I., New York, N. Y. Medicine for disorders of the digestive tract. No. 99,543; Sept. 8; Gaz. vol. 206; p. 583.
- Branex Company, The, Grand Rapids, Mich. Certain named foods. Nos. 100,087-8; Oct. 6; Gaz. vol. 207; p. 293.
- Branower, Edmund, New York, N. Y. Laxative candy. No. 94,875; Jan. 13; Gaz. vol. 198; p. 489.
- Braun & Cie., Dornach, Germany. Photographs, engravings, heliogravures, as well monochrome as in colors. No. 97,816; June 23; Gaz. vol. 203; p. 1255.
- Braun, Ernest R., Pittsburgh, Pa. Bread. No. 99,544; Sept. 8; Gaz. vol. 206; p. 583.
- Brawer & Son, M., New York, N. Y. Certain named foods. No. 96,395; Apr. 21; Gaz. vol. 201; p. 895.
- Bray, Wilson B., Belvidere, N. J. Remedy for dyspepsia. No. 94,982; Jan. 20; Gaz. vol. 198; p. 699.
- Breiter, Gustavo P., Milan, Italy. Tooth, bathing, face, &c., powders. No. 99,840; Sept. 22; Gaz. vol. 206; p. 1157.
- Brelsford Printing Co., The, Dayton, Ohio. Certain matter printed from type, plates, or die impressions. No. 96,245; Apr. 14; Gaz. vol. 201; p. 564.
- Bremner Bros., Chicago, Ill. Cakes, wafers, and biscuits. No. 95,594; Mar. 3; Gaz. vol. 200; p. 273.
- Breslin & Campbell, Inc., Boston, Mass. Cigars. No. 98,626; July 28; Gaz. vol. 204; p. 1339.
- Brewster, Evelyn R. S., Chicago, Ill. Plate, solder, and solder-flux. No. 100,259; Oct. 20; Gaz. vol. 207; p. 919.
- Brewster, Gordon & Co., Rochester, N. Y. Certain named foods. No. 100,089; Oct. 6; Gaz. vol. 207; p. 293.
- Brewster, Gordon & Co., Rochester, N. Y. Certain named foods. Nos. 101,560-1; Dec. 29; Gaz. vol. 209; p. 1687.
- Breyer, Joseph, Detroit, Mich. Ginger-ale. No. 95,394; Feb. 17; Gaz. vol. 199; p. 933.
- Brickman, Walter E., Chicago, Ill. Fluid detergents used in cleansing and renovating. No. 97,313; June 2; Gaz. vol. 203; p. 297.
- Bridgeport Wood Finishing Company, The, New Milford, Conn. Prepared paints, stains, varnishes, &c. Nos. 100,759-60; Oct. 27; Gaz. vol. 207; p. 1241.
- Briede & Rogovsky, Chicago, Ill. Coats, vests, trousers, and overcoats. No. 101,129; Nov. 17; Gaz. vol. 208; p. 979.
- Brigham, Louise, New York, N. Y. Certain named furniture and window-seats not in the nature of receptacles. No. 97,675; June 16; Gaz. vol. 203; p. 921.
- Brigham, Louise, New York, N. Y. Certain named articles of household furniture and furnishings. No. 98,040; June 30; Gaz. vol. 203; p. 1552.
- Brill, Aron, New York, N. Y. Embroideries and pillow-tops. No. 95,818; Mar. 17; Gaz. vol. 200; p. 853.
- Brinker, Frederick J., Pittsburgh, Pa. Remedy for frost-bite. No. 95,295; Feb. 10; Gaz. vol. 199; p. 611.
- Brinly-Hardy Company, Louisville, Ky. Cultivators. No. 94,877; Jan. 13; Gaz. vol. 198; p. 490.
- Brinser Remedy Co., York, Pa. Medicinal oil. No. 98,745; Aug. 4; Gaz. vol. 205; p. 297.
- Bristol-Myers Company, New York, N. Y. Saline laxatives, uric-acid solvents, &c. No. 96,097; Apr. 7; Gaz. vol. 201; p. 261.
- Bristol-Myers Company, New York, N. Y. Antiseptics, disinfectants, and deodorants. No. 100,260; Oct. 20; Gaz. vol. 207; p. 920.
- Bristol-Myers Company, New York, N. Y. Saline laxatives, uric-acid solvents, &c. No. 101,361; Dec. 8; Gaz. vol. 209; p. 679.
- Bristol-Myers Company, New York, N. Y. Soap. No. 101,504; Dec. 22; Gaz. vol. 209; p. 1313.
- British Columbia Sulphite Fibre Co. Limited, The, Vancouver and Mill Creek, British Columbia, Canada. Wood-pulp fiber, sulfite fiber. No. 96,636; Apr. 28; Gaz. vol. 201; p. 1213.
- Brock, Millie G., Centralia, Ill. Scalp-tonic. No. 100,090; Oct. 6; Gaz. vol. 207; p. 293.
- Brockett-Gorham Company, The, Marion, Ohio. Truck-chains. No. 100,493; Oct. 20; Gaz. vol. 207; p. 926.
- Broderick & Bascom Rope Company, St. Louis, Mo. Wire-rope lubricants and preservatives. No. 100,761; Oct. 27; Gaz. vol. 207; p. 1241.
- Bromund, Ernst A., New York, N. Y. Floor polish or finish. No. 94,878; Jan. 13; Gaz. vol. 198; p. 490.
- Bronston Bros. & Co., New York, N. Y. Straw hats. No. 94,800; Jan. 6; Gaz. vol. 198; p. 235.
- Bronx Window Shade & Awning Co., New York, N. Y. Awnings. No. 99,420; Sept. 1; Gaz. vol. 206; p. 307.
- Brown, Abraham A., New York, N. Y. Trousers and suits. No. 98,629; July 28; Gaz. vol. 204; p. 1339.
- Brown, Albert E., Mobile, Ala. Castor-oil. No. 98,125; July 7; Gaz. vol. 204; p. 309.
- Brown Brothers, Limited, London, England. Power-transmission chains. No. 98,922; Aug. 11; Gaz. vol. 205; p. 655.
- Brown Cracker & Candy Co., Dallas, Tex. Cakes. No. 100,762; Oct. 27; Gaz. vol. 207; p. 1241.
- Brown, Fannie W., Milwaukee, Wis. Corsets. No. 100,261; Oct. 20; Gaz. vol. 207; p. 920.
- Brown, Frederick J., New York, N. Y. Weekly periodical devoted to boxing. No. 97,464; June 9; Gaz. vol. 203; p. 595.
- Brown, John W. and H. W., Bayamon, Porto Rico, and Philadelphia, Pa. Grape-fruit, oranges, and pineapples. No. 96,396; Apr. 21; Gaz. vol. 201; p. 895.
- Brown, Lewis K., Zanesville, Ohio. Parting compound. No. 97,817; June 23; Gaz. vol. 203; p. 1255.
- Brown, Robert A. (See Holbrook, Steinmann G., assignor.)
- Brown Shoe Company, Inc., St. Louis, Mo. Leather shoes. No. 95,884; Mar. 24; Gaz. vol. 200; p. 1109.
- Brown Shoe Company, Inc., St. Louis, Mo. Leather shoes. No. 96,638; Apr. 28; Gaz. vol. 201; p. 1213.
- Brown Shoe Company, Inc., St. Louis, Mo. Leather shoes. No. 97,038; May 19; Gaz. vol. 202; p. 945.
- Brown Shoe Company, Inc., St. Louis, Mo. Leather shoes. No. 97,314; June 2; Gaz. vol. 203; p. 297.
- Brown Shoe Company, Inc., St. Louis, Mo. Leather shoes. No. 98,923; Aug. 11; Gaz. vol. 205; p. 655.
- Brown Shoe Company, Inc., St. Louis, Mo. Leather shoes. No. 100,262; Oct. 20; Gaz. vol. 207; p. 920.
- Brown, Walter M., Naches, Wash. Remedy for headache, rheumatism, and neuralgia. No. 98,472; July 21; Gaz. vol. 204; p. 1005.
- Browning, George M., New York, N. Y. Elastic transparent sheet material. No. 95,595; Mar. 3; Gaz. vol. 200; p. 273.
- Brownley, Walter, Washington, D. C. Candies. No. 99,276; Aug. 25; Gaz. vol. 205; p. 1317.
- Bruaw, Harry, Harrisburg, Pa. Paint and varnish cleanser and varnish-restorer. No. 95,738; Mar. 10; Gaz. vol. 200; p. 577.
- Brucato, Joseph, New York, N. Y. Lemons and oranges. No. 100,763; Oct. 27; Gaz. vol. 207; p. 1241.
- Bruckner, Hugo, Vienna, Austria-Hungary. Braces, garters, and belts. No. 95,053; Feb. 3; Gaz. vol. 199; p. 297.
- Bruckner Manufacturing Company, Franz, New York, N. Y. Musical-instrument strings. No. 96,937; May 12; Gaz. vol. 202; p. 627.
- Bruenn, David, New Orleans, La. Antiseptic powder used in solution as a douche for venereal diseases. No. 101,267; Nov. 24; Gaz. vol. 208; p. 1351.
- Bruesser, William, Kansas City, Mo. Plant food. No. 98,359; July 14; Gaz. vol. 204; p. 669.
- Bruh, Wilhelm G., Berlin, Germany. Certain recorders, measurers, registers, indicators, meters, and speed-indicating apparatus for vehicles. No. 97,315; June 2; Gaz. vol. 203; p. 297.
- Brunier, Charles H., Baltimore, Md. Composition of cotton-seed oil, oleo-stearin, and pure lard. No. 95,885; Mar. 24; Gaz. vol. 200; p. 1109.
- Bruns, William, Columbia, Pa. Thermometers. No. 95,984; Mar. 31; Gaz. vol. 200; p. 1385.
- Brunswick-Balke-Collender Co., The, Chicago, Ill. Water-closet seats. No. 99,277; Aug. 25; Gaz. vol. 205; p. 1317.
- Bruschettini, Alessandro, Genoa, Italy. Serums and vaccines for preventing and treating certain diseases and preventing and treating hog-cholera. No. 99,380; Aug. 25; Gaz. vol. 205; p. 1320.

Alphabetical list of registrants of trade-marks—Continued.

- Bryant Electric Company, The, Bridgeport, Conn. Electric-lamp sockets. No. 94,879; Jan. 13; Gaz. vol. 198; p. 490.
- Bryant Electric Company, The, Bridgeport, Conn. Shade-holders for electric lights. No. 101,455; Dec. 15; Gaz. vol. 209; p. 1049.
- Bryn & Halden Tændstikfabrikker, Bryn, near Christiania, Norway. Matches. No. 96,487; Apr. 21; Gaz. vol. 201; p. 898.
- Bryn & Halden Tændstikfabrikker, Bryn, near Christiania, Norway. Matches. No. 96,779; May 5; Gaz. vol. 202; p. 309.
- Bubenik Chemical Manufacturing Co., St. Louis, Mo. Remedy for certain named affections. No. 97,039; May 19; Gaz. vol. 202; p. 945.
- Buchanan Ltd., London, England. Certain named games and sundries. No. 98,041; June 30; Gaz. vol. 203; p. 1552.
- Büchel, Josef, Wengern-Ruhr, Germany. Certain named alloys. No. 95,395; Feb. 17; Gaz. vol. 199; p. 933.
- Buckeye Engine Co., Salem, Ohio. Superheated-steam-power units. No. 101,268; Nov. 24; Gaz. vol. 208; p. 1351.
- Budd, Henry A., New York, N. Y. Certain named clothing. No. 95,739; Mar. 10; Gaz. vol. 200; p. 577.
- Budd, Henry A., New York, N. Y. Neckties, neckscarfs, jabots, belts, &c. No. 98,473; July 21; Gaz. vol. 204; p. 1005.
- Buegeleisen, Samuel, New York, N. Y. Certain named musical instruments. No. 95,056; Feb. 3; Gaz. vol. 199; p. 297.
- Buegeleisen, Samuel, New York, N. Y. Certain named musical instruments and parts therefor. No. 95,517; Feb. 24; Gaz. vol. 199; p. 1239.
- Buegeleisen, Samuel, New York, N. Y. Certain named musical instruments and parts therefor. No. 95,701; Mar. 3; Gaz. vol. 200; p. 276.
- Buffalo Brewing Co., Sacramento, Cal. Beer. No. 100,764; Oct. 27; Gaz. vol. 207; p. 1241.
- Buffalo Cereal Company, Buffalo, N. Y. Stock and poultry foods. No. 97,591; June 16; Gaz. vol. 203; p. 919.
- Buffalo Forge Co., Buffalo, N. Y. Fluid-driven engines. No. 97,523; June 9; Gaz. vol. 203; p. 597.
- Buflinton, Elisha W., Fall River, Mass. Cleats for electric wiring. No. 98,999; Aug. 11; Gaz. vol. 205; p. 657.
- Bugbee & Niles Co., Providence, R. I. Certain named articles made of precious metals. No. 99,422; Sept. 1; Gaz. vol. 206; p. 307.
- Buhl-Mills Company, New York, N. Y. Pineapples. No. 99,195; Aug. 25; Gaz. vol. 205; p. 1315.
- Bule, Edward R., New York, N. Y. Composition to remove carbonaceous deposits from internal-combustion engines. No. 99,942; Sept. 29; Gaz. vol. 206; p. 1431.
- Burdick, James H., Sandwich, Ill. Liquid tonic for poultry. No. 100,496; Oct. 20; Gaz. vol. 207; p. 927.
- Burgess, John A., Toronto, Ontario, Canada. Tire-fillers. No. 98,746; Aug. 4; Gaz. vol. 205; p. 297.
- Burgmann, Feodor, Dresden-Laubegast, Germany. Asbestos packing materials. No. 95,296; Feb. 10; Gaz. vol. 199; p. 611.
- Burk, Louis, Philadelphia, Pa. Lard. No. 96,938; May 12; Gaz. vol. 202; p. 627.
- Burke, John D., Montgomery, Ala. Remedy for gonorrhea. Nos. 99,381-2; Aug. 25; Gaz. vol. 205; p. 1320.
- Burke, Frank G., New York, N. Y. Toilet soaps. No. 96,640; Apr. 28; Gaz. vol. 201; p. 1213.
- Burke, Frank G., New York, N. Y. Cold-cream. No. 98,474; July 21; Gaz. vol. 204; p. 1005.
- Burke, Frank G., New York, N. Y. Talcum powder. No. 100,497; Oct. 20; Gaz. vol. 207; p. 927.
- Burke, John D., Montgomery, Ala. Remedy for the blood. No. 99,841; Sept. 22; Gaz. vol. 206; p. 1157.
- Burkhardt Brewing Company, Boston, Mass. Ale. No. 100,499; Oct. 20; Gaz. vol. 207; p. 927.
- Burleigh, Lewis E., Chicago, Ill. Air-moistener. No. 96,939; May 12; Gaz. vol. 202; p. 627.
- Burmott Specialty Company, Fernwood, Pa. Hand-torpedoes. No. 94,880; Jan. 13; Gaz. vol. 198; p. 490.
- Burnham, Edward, Chicago, Ill. Certain named toilet preparations. No. 96,488; Apr. 21; Gaz. vol. 201; p. 898.
- Burnham, Edward, Chicago, Ill. Certain named pharmaceutical preparations. No. 101,130; Nov. 17; Gaz. vol. 208; p. 979.
- Burnham-Munger-Root Dry Goods Co., Kansas City, Mo. Shirts. No. 100,500; Oct. 20; Gaz. vol. 207; p. 927.
- Burns, John H., Bridgeport, Conn., assignor to J. F. Messinger, New York, N. Y. Cathartic compound. No. 95,519; Feb. 24; Gaz. vol. 199; p. 1239.
- Burnstine & Nachman, New York, N. Y. Hair-nets, veillings, malines, dish-rags, and netted fabrics. No. 97,676; June 16; Gaz. vol. 203; p. 921.
- Burrow, Jones & Dyer Shoe Co., St. Louis, Mo. Leather boots and shoes. No. 97,752; June 16; Gaz. vol. 203; p. 924.
- Burststein & Co., Harry, Philadelphia, Pa. Ladies' coats, suits, and outer skirts. No. 96,248; Apr. 14; Gaz. vol. 201; p. 564.
- Burststein, Harry, Philadelphia, Pa. Coats, cloaks, suits, skirts, and dresses. No. 96,247; Apr. 14; Gaz. vol. 201; p. 564.
- Burton Bros. & Co., New York, N. Y. Silk, cotton, or silk and cotton piece goods. Nos. 94,983-4; Jan. 20; Gaz. vol. 198; p. 699.
- Burton Remedy Co., The, McHenry, Ill. Foot-powder. No. 95,243; Feb. 3; Gaz. vol. 199; p. 303.
- Bushnell & Co., D. I., St. Louis, Mo. Grass-seeds. No. 98,747; Aug. 4; Gaz. vol. 205; p. 297.
- Business of Orator F. Woodward, Deceased, Le Roy, N. Y. Corn-plasters. No. 97,316; June 2; Gaz. vol. 203; p. 297.
- Büssing, Firm of H., Brunswick, Germany. Carriages and motor carriages, chassis, &c. No. 99,423; Sept. 1; Gaz. vol. 206; p. 307.
- Buzby, Augustus C., Philadelphia, Pa. Lubricants. No. 99,279; Aug. 25; Gaz. vol. 205; p. 1317.
- Butterfields Limited, Stechford, England. Cycles, motor-cycles and cars, gearing for motor-cycles, &c. No. 100,952; Nov. 3; Gaz. vol. 208; p. 333.
- Byck Bros. & Co., Louisville, Ky. Leather shoes. No. 99,545; Sept. 8; Gaz. vol. 206; p. 583.
- Byers, Ninian E., New York, N. Y. Bread. No. 99,687; Sept. 15; Gaz. vol. 206; p. 869.
- C. Bockius Co., Philadelphia, Pa. Glazed kid manufactured from goatskins. No. 96,934; May 12; Gaz. vol. 202; p. 627.
- C. Bruno & Son, Inc., New York, N. Y. Certain named musical instruments, parts, and accessories. No. 99,941; Sept. 29; Gaz. vol. 206; p. 1431.
- C. De Witt Lukens Surgical Manufacturing Co., St. Louis, Mo. Surgical sutures. No. 100,366; Oct. 20; Gaz. vol. 207; p. 923.
- C. Gotzian & Co., St. Paul, Minn. Leather shoes. No. 96,278; Apr. 14; Gaz. vol. 201; p. 564.
- C. Gotzian & Company, St. Paul, Minn. Ladies', misses', and children's leather shoes. No. 100,542; Oct. 20; Gaz. vol. 207; p. 928.
- C. Tennant Sons & Co. of New York, New York, N. Y. Spirits of turpentine and turpentine substitutes. No. 96,919; May 5; Gaz. vol. 202; p. 313.
- C. A. Woolsey Paint & Color Co., Jersey City, N. J. Waterproof varnish. No. 98,991; Aug. 11; Gaz. vol. 205; p. 657.
- C. B. Barker & Co. Limited, New York, N. Y. Machine-needles. No. 97,113; May 19; Gaz. vol. 202; p. 947.
- C. B. Barker & Co. Limited, New York, N. Y. Lubricating-oils. No. 97,114; May 19; Gaz. vol. 202; p. 947.
- C. B. Woodworth Sons Co., Rochester, N. Y. Perfumes, toilet waters, talcum and sachet powders. No. 97,193; May 19; Gaz. vol. 202; p. 950.
- C. C. Smoot & Sons Co., Alexandria, Va. Leather in unmanufactured form. No. 100,171; Oct. 6; Gaz. vol. 207; p. 296.
- C. D. Kenny Co., The, Baltimore, Md. Tea. No. 99,753; Sept. 15; Gaz. vol. 206; p. 871.
- C. E. Wheelock & Co., Peoria, Ill. Enameled ware. No. 96,073; Mar. 31; Gaz. vol. 200; p. 1388.
- C. F. Blanke Tea & Coffee Company, St. Louis, Mo. Soluble coffee. No. 94,870; Jan. 13; Gaz. vol. 198; p. 489.
- C. F. Blanke Tea & Coffee Company, St. Louis, Mo. Spices. No. 95,875; Mar. 24; Gaz. vol. 200; p. 1109.
- C. F. Blanke Tea & Coffee Company, St. Louis, Mo. Tea and coffee. No. 98,854; Aug. 4; Gaz. vol. 205; p. 300.
- C. F. Blanke Tea & Coffee Company, St. Louis, Mo. Coffee substitute. No. 98,921; Aug. 11; Gaz. vol. 205; p. 655.
- C. F. Narwold Co., The, Cleveland, Ohio. Candy. No. 97,635; June 16; Gaz. vol. 203; p. 920.
- C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Valves. No. 99,670; Sept. 8; Gaz. vol. 206; p. 587.
- C. I. Hood Co., Lowell, Mass. Tonic for the nerves, blood, and brain. No. 98,284; July 7; Gaz. vol. 204; p. 314.
- C. J. Lincoln Company, Little Rock, Ark. Medicinal tonic. No. 96,523; Apr. 21; Gaz. vol. 201; p. 899.
- C. M. Phipps, Inc., New York, N. Y. Hats. No. 94,929; Jan. 13; Gaz. vol. 198; p. 491.
- C. P. Moorman & Company, Inc., Louisville, Ky. Whisky. No. 99,332; Aug. 25; Gaz. vol. 205; p. 1319.
- C. S. Foulds-Briggs Company, The, Cincinnati, Ohio. Macaroni, elbow-macaroni, spaghetti, and noodles. No. 100,793; Oct. 27; Gaz. vol. 207; p. 1242.
- C. T. Hurlburt & Company, New York, N. Y. Certain named homeopathic medicines and medicinal preparations. No. 96,589; Apr. 21; Gaz. vol. 201; p. 901.
- C. W. Reynolds Co., Petersburg, N. Y. Shirts, night-shirts, and pajamas. No. 100,410; Oct. 20; Gaz. vol. 207; p. 924.
- Cabell Company, The, Baltimore, Md. Egg substitute. No. 95,886; Mar. 24; Gaz. vol. 200; p. 1109.
- Cabell Company, The, Baltimore, Md. Preparation for making cake. No. 96,397; Apr. 21; Gaz. vol. 201; p. 895.
- Cabral, Joseph M., Merced, Cal. Remedy for rheumatism. No. 95,244; Feb. 3; Gaz. vol. 199; p. 303.
- Cadick Milling Company, Grand View, Ind. Wheat-flour. No. 97,945; June 30; Gaz. vol. 203; p. 1549.

Alphabetical list of registrants of trade-marks—Continued.

- Cadick Milling Company, Grandview, Ind. Wheat-flour. No. 99,546; Sept. 8; Gaz. vol. 206; p. 583.
- Cagwin, Joel E., Ames, Iowa. Liniment. No. 96,566; Apr. 21; Gaz. vol. 201; p. 900.
- Cahill, Swift Mfg. Co., St. Louis, Mo. Water-closets, bathtubs, sinks, lavatories, showers, washstands. No. 95,887; Mar. 24; Gaz. vol. 200; p. 1109.
- Cahic, Louis, Neumarkt, Germany. Certain named explosives and equipments. No. 97,677; June 16; Gaz. vol. 203; p. 921.
- Caird, Robert A., Chicago, Ill., assignor to National Belting Company, Elyria, Ohio. Belts and belting. No. 95,596; Mar. 3; Gaz. vol. 200; p. 273.
- Calculagraph Company, New York, N. Y. Time-printing machines and parts therefor. No. 95,597; Mar. 3; Gaz. vol. 200; p. 273.
- Calculagraph Company, New York, N. Y. Ink-ribbons for time-printing machines. No. 99,080; Aug. 18; Gaz. vol. 205; p. 1015.
- Caledonia Oil Co. Inc., New York, N. Y. Lubricating compounds, oils, and greases. No. 98,126; July 7; Gaz. vol. 204; p. 309.
- California Associated Raisin Co., Fresno, Cal. Dried fruits. No. 96,398; Apr. 21; Gaz. vol. 201; p. 895.
- California Associated Raisin Co., Fresno, Cal. Raisins. No. 99,688; Sept. 15; Gaz. vol. 206; p. 869.
- California Cactus Candy Co., Los Angeles, Cal. Certain named foods. No. 97,593; June 16; Gaz. vol. 203; p. 919.
- California Glove Company, San Francisco, Cal. Leather. No. 95,057; Feb. 3; Gaz. vol. 199; p. 297.
- California Pharmacy Company, The, San Francisco, Cal. Laxative crackers. No. 96,641; Apr. 28; Gaz. vol. 201; p. 1213.
- Callahan Manufacturing Co., Seattle, Wash. Soap. No. 98,630; July 28; Gaz. vol. 204; p. 1339.
- Callahan & Sons, Louisville, Ky. Whole oats for feeding or milling purposes. No. 97,119; May 19; Gaz. vol. 202; p. 947.
- Callahan & Sons, Louisville, Ky. Whole oats. No. 97,210; May 26; Gaz. vol. 202; p. 1253.
- Callahan & Sons, Louisville, Ky. Corn. No. 97,946; June 30; Gaz. vol. 203; p. 1549.
- Callit Mint Company, Wilmington, Del., and Chicago, Ill. Candy confections. No. 96,940; May 12; Gaz. vol. 202; p. 627.
- Calsalvo Chemical Company, New York, N. Y. Medicine for lime starvation. No. 97,317; June 2; Gaz. vol. 203; p. 297.
- Calumet Co., Inc., Chicago, Ill. Coating compound for automobile wheel-rims and metallic surfaces. No. 96,100; Apr. 7; Gaz. vol. 201; p. 261.
- Cambria Drug & Mfg. Co., Pittsburgh, Pa. Medicinal candy cathartic blood-purifying tablets. No. 94,881; Jan. 13; Gaz. vol. 198; p. 490.
- Cameron, John M., Fort Myers, Fla. Citrus fruit jellies and preserves. No. 99,842; Sept. 22; Gaz. vol. 206; p. 1157.
- Cameron Stove Co., Inc., Richmond, Va. Cooking and heating stoves and cooking-ranges. No. 99,689; Sept. 15; Gaz. vol. 206; p. 869.
- Cammeyer, New York, N. Y. Creams for polishing patent-leather shoes. No. 96,642; Apr. 28; Gaz. vol. 201; p. 1213.
- Camp Fire Girls, New York, N. Y. Blouses, knickerbockers, bloomers, skirts, hats, &c. No. 95,740; Mar. 10; Gaz. vol. 200; p. 577.
- Camp Importation Co., The, Inc., New York, N. Y. Cigarettes. No. 98,748; Aug. 4; Gaz. vol. 205; p. 297.
- Campbell Electric Company, Lynn, Mass. X-ray apparatus. No. 100,091; Oct. 6; Gaz. vol. 207; p. 293.
- Campbell, Firm of H. W. and G. W., Columbus, Ohio. Alternative for the blood. No. 101,562; Dec. 29; Gaz. vol. 209; p. 1687.
- Campbell Printing Press & Manufacturing Company, The, New York, N. Y., assignor to Autoplate Company of America, Jersey City, N. J. Machinery for drying curved stereotype printing-plates. No. 95,985; Mar. 31; Gaz. vol. 200; p. 1385.
- Camphausen, Paul W., Steglitz, near Berlin, Germany. Certain medicinal preparations for internal and external use. No. 101,034; Nov. 10; Gaz. vol. 208; p. 651.
- Canadian Mill and Elevator Company, El Reno, Okla. Wheat-flour. No. 99,690; Sept. 15; Gaz. vol. 206; p. 869.
- Canfield Rubber Company, The, Bridgeport, Conn. Dress-shields. No. 95,741; Mar. 10; Gaz. vol. 200; p. 577.
- Canfield Rubber Company, The, Bridgeport, Conn. Dress-shields. No. 95,986; Mar. 31; Gaz. vol. 200; p. 1385.
- Canfield Rubber Company, The, Bridgeport, Conn. Dress-shields. No. 96,864; May 5; Gaz. vol. 202; p. 311.
- Cangiano, Gennaro, New York, N. Y. Cigars. No. 95,987; Mar. 31; Gaz. vol. 200; p. 1385.
- Cannizzaro & Co., P., New York, N. Y. Cigars, cigarettes, and tobacco. No. 100,765; Oct. 27; Gaz. vol. 207; p. 1241.
- Cannon, C. C., Johnsonville, S. C. Liniment for man and beast. No. 95,396; Feb. 17; Gaz. vol. 199; p. 933.
- Cannon, Elizabeth S., St. Louis, Mo. Suits for children. No. 98,475; July 21; Gaz. vol. 204; p. 1005.
- Cannon, James W., Concord, N. C., and New York, N. Y. Hosiery. No. 100,501; Oct. 20; Gaz. vol. 207; p. 927.
- Canton Biscuit Co., The, Canton, Ohio. Crackers and biscuits. No. 100,766; Oct. 27; Gaz. vol. 207; p. 1241.
- Canton Culvert Company, The, Canton, Ohio. Silos. No. 100,693; Oct. 20; Gaz. vol. 207; p. 932.
- Capewell Horse Nail Company, The, Hartford, Conn. Horse-nails. No. 95,819; Mar. 17; Gaz. vol. 200; p. 853.
- Capewell Horse Nail Company, Hartford, Conn. Horse-nails. No. 100,264; Oct. 20; Gaz. vol. 207; p. 920.
- Capital City Brewing Company, Helena, Mont. Beer. No. 98,360; July 14; Gaz. vol. 204; p. 669.
- Capital City Dairy Co., The, Columbus, Ohio. Oleomargarin. No. 101,362; Dec. 8; Gaz. vol. 209; p. 679.
- Capital Drug Company, Augusta, Me. Remedy for asthma and hay-fever. No. 99,140; Aug. 18; Gaz. vol. 205; p. 1017.
- Capper, Arthur, Topeka, Kans. Magazine published semi-monthly. No. 95,598; Mar. 3; Gaz. vol. 200; p. 273.
- Caradine, James T., St. Louis, Mo. Hats. No. 95,058; Feb. 3; Gaz. vol. 199; p. 297.
- Carbondale Calcium Co., Carbondale, Pa. Calcium chlorid. No. 99,383; Aug. 25; Gaz. vol. 205; p. 1321.
- Carbondale Calcium Co., Carbondale, Pa. Preservative for preventing rust and corrosion of iron and steel. No. 99,424; Sept. 1; Gaz. vol. 206; p. 307.
- Carbondale Knitting Mills, Carbondale, Pa. Overcoats, short coats, Norfolk jackets, trousers, &c. No. 95,742; Mar. 10; Gaz. vol. 200; p. 577.
- Carbonell, Ramon A. D., New York, N. Y., and Ponce, Porto Rico. Liquid remedy for diseases of the skin and blood. No. 95,349; Feb. 10; Gaz. vol. 199; p. 613.
- Carboné Company, Inc., The, Albany, N. Y. Vehicle-tires of rubber. No. 97,947; June 30; Gaz. vol. 203; p. 1549.
- Carborundum Company, The, Niagara Falls, N. Y. Furnace-linings, fire bricks and blocks, and bulk material for making same. Nos. 97,524-7; June 9; Gaz. vol. 203; p. 597.
- Cardenas y Co., Habana, Cuba. Cigars. No. 95,059; Feb. 3; Gaz. vol. 199; p. 297.
- Cardenas & Co., Habana, Cuba. Cigars. No. 96,782; May 5; Gaz. vol. 202; p. 309.
- Cardenas y Co., Habana, Cuba. Cigars. No. 97,391; June 2; Gaz. vol. 203; p. 299.
- Carey Salt Co., The, Hutchinson, Kans. Salt. No. 96,489; Apr. 21; Gaz. vol. 201; p. 898.
- Cargill, Cleveland & Company, Westfield, Mass. Whips. No. 99,280; Aug. 25; Gaz. vol. 205; p. 1317.
- Carlbert Mfg. Co., The, New York, N. Y. Picture-frames and serving-trays plated with precious metal. No. 101,248; Nov. 17; Gaz. vol. 208; p. 933.
- Carlyle Johnson Machine Co., The, Manchester, Conn. Hydrocarbon-engines. No. 100,092; Oct. 6; Gaz. vol. 207; p. 293.
- Carmel Wine Company, New York, N. Y. Wines. No. 97,318; June 2; Gaz. vol. 203; p. 297.
- Carmel Wine Company, New York, N. Y. Honey, olive-oil, and almonds. No. 100,093; Oct. 6; Gaz. vol. 207; p. 293.
- Carnegie Automatic Fuel Saving Company, Minneapolis, Minn. Wind-operated devices for regulating chimney-draft. No. 97,819; June 23; Gaz. vol. 203; p. 1255.
- Carnegie Steel Company, Pittsburgh, Pa. Splice-bars for railway-rails. No. 98,361; July 14; Gaz. vol. 204; p. 669.
- Carpenter, Frank P., *et al.*, trustees. (See Amoskeag Manufacturing Company, assignor.)
- Carpenter Steel Company, The, Reading, Pa. Tool-steel. No. 99,943; Sept. 29; Gaz. vol. 206; p. 1431.
- Carrabine, Oscar, New York, N. Y. Bathing-suits. No. 100,767; Oct. 27; Gaz. vol. 207; p. 1242.
- Carrigan, James N., Washington, D. C. Preparation for treatment of cancers. No. 100,502; Oct. 20; Gaz. vol. 207; p. 927.
- Carrom-Archarena Co., Ludington, Mich. Tables. No. 99,547; Sept. 8; Gaz. vol. 206; p. 583.
- "Carrosserie Van den Plas," Sté. en nom collectif, Brussels, Belgium. Motor-bodies, mud-guards, wind-shields, &c. No. 98,749; Aug. 4; Gaz. vol. 205; p. 297.
- Carson & Perry, Shelbyville, Mo. Remedy for certain named diseases and ailments of hogs. No. 101,131; Nov. 17; Gaz. vol. 208; p. 979.
- Carson, Pirie, Scott & Co., Chicago, Ill. Cheviots, muslin, ginghams, sheets, and pillow-cases. No. 95,060; Feb. 3; Gaz. vol. 199; p. 297.
- Carson, Pirie, Scott & Co., Chicago, Ill. Boys' outer waists, dress and negligée shirts, and overalls. No. 95,061; Feb. 3; Gaz. vol. 199; p. 297.
- Carson, Pirie, Scott & Co., Chicago, Ill. Cambric, nainsook, lawn-cloth, and muslins. No. 95,397; Feb. 17; Gaz. vol. 199; p. 933.
- Carson, Pirie, Scott & Co., Chicago, Ill. Laces. No. 96,249; Apr. 14; Gaz. vol. 201; p. 564.
- Carson, Pirie, Scott & Co., Chicago, Ill. Dolls. No. 96,783; May 5; Gaz. vol. 202; p. 309.
- Carson, Pirie, Scott & Co., Chicago, Ill. Men's negligée and work shirts. No. 97,120; May 19; Gaz. vol. 202; p. 947.

Alphabetical list of registrants of trade-marks—Continued.

- Carson, Pirie, Scott & Co., Chicago, Ill. Overalls, trousers, and working-coats. No. 97,212; May 26; Gaz. vol. 202; p. 1253.
- Carson, Pirie, Scott & Co., Chicago, Ill. Cotton, linen, &c., dress piece goods. No. 97,319; June 2; Gaz. vol. 203; p. 297.
- Carson, Pirie, Scott & Co., Chicago, Ill. Blankets. No. 97,320; June 2; Gaz. vol. 203; p. 297.
- Carson, Pirie, Scott & Co., Chicago, Ill. Unbleached muslin. No. 97,321; June 2; Gaz. vol. 203; p. 297.
- Carson, Pirie, Scott & Co., Chicago, Ill. Bleached cotton piece goods. No. 97,820; June 23; Gaz. vol. 203; p. 1255.
- Carson, Pirie, Scott & Co., Chicago, Ill. Unbleached muslin. No. 97,821; June 23; Gaz. vol. 203; p. 1255.
- Carson, Pirie, Scott & Co., Chicago, Ill. Gingham and cotton piece goods. No. 98,476; July 21; Gaz. vol. 204; p. 1005.
- Carson, Pirie, Scott & Co., Chicago, Ill. Unbleached muslin. No. 98,477; July 21; Gaz. vol. 204; p. 1005.
- Carson, Pirie, Scott & Co., Chicago, Ill. Cotton piece goods. No. 98,631; July 28; Gaz. vol. 204; p. 1339.
- Carson, Pirie, Scott & Co., Chicago, Ill. Handkerchiefs. No. 98,632; July 28; Gaz. vol. 204; p. 1339.
- Carson, Pirie, Scott & Co., Chicago, Ill. Men's outer shirts. No. 98,924; Aug. 11; Gaz. vol. 205; p. 655.
- Carson, Pirie, Scott & Co., Chicago, Ill. Gingham. No. 100,265; Oct. 20; Gaz. vol. 207; p. 920.
- Carson, Pirie, Scott & Co., Chicago, Ill. Bleached gauze. No. 101,035; Nov. 10; Gaz. vol. 208; p. 651.
- Carson, Robert P., Manitou, Colo. Medicine for asthma, bronchitis, and hay-fever. No. 99,691; Sept. 15; Gaz. vol. 206; p. 869.
- Carstens Bros., Ackley, Iowa. Refrigerators. No. 101,494; Dec. 15; Gaz. vol. 209; p. 1050.
- Cartabillotta, Antonio, Swissvale, Pa. Stomach, liver, and bowel medicine. No. 100,266; Oct. 20; Gaz. vol. 207; p. 920.
- Carter, Garnet, Chattanooga, Tenn. Collar-buttons. No. 97,392; June 2; Gaz. vol. 203; p. 299.
- Carter, Lemuel A., Bunnell, Fla. Remedy for certain named ailments and diseases. No. 101,505; Dec. 22; Gaz. vol. 209; p. 1313.
- Carter Paint Co., Liberty, Ind. Dry cleaner. No. 101,442; Dec. 15; Gaz. vol. 209; p. 1049.
- Carter and Son, E. C., New York, N. Y. Certain named textile fabrics in the piece. No. 96,101; Apr. 7; Gaz. vol. 201; p. 261.
- Cascarine Medicine Company, The, Dallas, Tex. Preparation for the treatment of certain named diseases. No. 95,245; Feb. 3; Gaz. vol. 199; p. 303.
- Caserta Wine Co., The, New York, N. Y. Olive-oil. No. 99,692; Sept. 15; Gaz. vol. 206; p. 869.
- Cassels, Theodore A., Arcadia, Fla. Medicines for indigestion. No. 96,865; May 5; Gaz. vol. 202; p. 311.
- Castillo & Company, Rafael del, New York, N. Y. Coffee. No. 100,199; Oct. 13; Gaz. vol. 207; p. 605.
- Cataract Refining and Manufacturing Company, Buffalo, N. Y. Lubricants, oils, and greases. No. 95,988; Mar. 31; Gaz. vol. 200; p. 1385.
- Catlin & Co., New York, N. Y. Cotton piece goods. No. 100,267; Oct. 20; Gaz. vol. 207; p. 920.
- Cattaraugus Cutlery Co., Little Valley, N. Y. Razors. No. 95,599; Mar. 3; Gaz. vol. 200; p. 273.
- Caumont, Leon F., New York, N. Y. Certain named furnishings and notions. No. 101,443; Dec. 15; Gaz. vol. 209; p. 1049.
- Causeway Rice Co., The, Houston, Tex. Food composed of rice. No. 95,888; Mar. 24; Gaz. vol. 200; p. 1109.
- Cauto Tree Cotton Co., The, Augusta, Me., and Shelton, Conn. Cotton. No. 101,269; Nov. 24; Gaz. vol. 208; p. 1351.
- Cayce, Edgar, Selma, Ala. Playing-cards. No. 97,040; May 19; Gaz. vol. 202; p. 945.
- Cedar Rapids Candy Company, Cedar Rapids, Iowa. Cocoa confections for use as a beverage ingredient. No. 97,213; May 26; Gaz. vol. 202; p. 1253.
- Cedar Sweep Co., The, Los Angeles, Cal. Sweeping compounds. No. 101,092; Nov. 10; Gaz. vol. 208; p. 653.
- Cedar-Sweep Company, Los Angeles, Cal. Sweeping compound. No. 95,297; Feb. 10; Gaz. vol. 199; p. 611.
- Cella Brothers, Inc., New York, N. Y. Wine. No. 98,478; July 21; Gaz. vol. 204; p. 1005.
- Cella Brothers, Inc., New York, N. Y. Olive-oil and macaroni. No. 100,094; Oct. 6; Gaz. vol. 207; p. 293.
- Celluloid Starch Company, The, New York, N. Y. Laundry-washing compound. No. 99,843; Sept. 22; Gaz. vol. 206; p. 1157.
- Celluloid Starch Company, The, New York, N. Y. Laundry-washing tablets. No. 99,844; Sept. 22; Gaz. vol. 206; p. 1157.
- Cement Casket Mfg. Co., Battle Creek and Albion, Mich. Composition or artificial stone burial caskets and vaults. No. 100,268; Oct. 20; Gaz. vol. 207; p. 920.
- Central Brewing Company of New York, The, New York, N. Y. Beer. Nos. 99,845-6; Sept. 22; Gaz. vol. 206; p. 1157.
- Central Brewing Company of New York, The, New York, N. Y. Beer and ales. No. 100,953; Nov. 3; Gaz. vol. 208; p. 333.
- Central Fruit Co., South Lake Weir, Fla. Certain named citrus fruits. No. 95,600; Mar. 3; Gaz. vol. 200; p. 273.
- Central Ohio Paper Co., The, Columbus, Ohio. Cover, bond, writing, and printing paper. No. 98,750; Aug. 4; Gaz. vol. 205; p. 297.
- Central Ohio Paper Company, The, Columbus, Ohio. Cover, bond, writing, and printing paper. No. 99,425; Sept. 1; Gaz. vol. 206; p. 307.
- Central Optical Co., Southbridge, Mass. Optical machinery, tools, and supplies used in the preparation, mounting, and fitting of lenses. No. 98,127; July 7; Gaz. vol. 204; p. 309.
- Central Railway Signal Co., Pittsburgh, Pa. Fuses and torpedoes. No. 99,141; Aug. 18; Gaz. vol. 205; p. 1017.
- Central Trading Corporation, Philipsburg, Pa. Kegs, especially powder-kegs. No. 100,269; Oct. 20; Gaz. vol. 207; p. 920.
- Central Trust Company of New York, trustee. (See United States Light & Heating Company, The, assignor.)
- Century Co., The, New York, N. Y. Periodical magazines, printed books, and prints. No. 99,426; Sept. 1; Gaz. vol. 206; p. 307.
- Century Rubber Co., Plainfield, N. J. Pneumatic tires. No. 101,132; Nov. 17; Gaz. vol. 208; p. 979.
- Ceramic Art Association, Los Angeles, Cal. Pottery, earthenware, and earthenware and pottery vases. No. 95,889; Mar. 24; Gaz. vol. 200; p. 1110.
- Cereal Food Company, Peoria, Ill. Canned vegetables. No. 97,594; June 16; Gaz. vol. 203; p. 919.
- Cereal Mince Company, Minneapolis, Minn. Certain breakfast-food compound. No. 97,948; June 30; Gaz. vol. 203; p. 1549.
- Cereo Company, Tappan, N. Y. Cereal flour derived from *Zea Mays*. No. 97,595; June 16; Gaz. vol. 203; p. 919.
- Cereo Company, Tappan, N. Y. Certain preparations of cereals used for food. No. 101,363; Dec. 8; Gaz. vol. 209; p. 679.
- Ceresit Waterproofing Co., Chicago, Ill. Chemical preparation for rendering cement, mortar, &c., waterproof. No. 101,456; Dec. 15; Gaz. vol. 209; p. 1049.
- Chace, William W., Brooklyn, N. Y. Laces. No. 95,298; Feb. 10; Gaz. vol. 199; p. 611.
- Chain Belt Company, Milwaukee, Wis. Chain belt. No. 94,883; Jan. 13; Gaz. vol. 198; p. 490.
- Challenge Cutlery Corporation, Bridgeport, Conn. Certain named cutlery. No. 99,944; Sept. 29; Gaz. vol. 206; p. 1431.
- Challenge Cutlery Corporation, Bridgeport, Conn. Chop-rodists' knives. No. 100,503; Oct. 20; Gaz. vol. 207; p. 927.
- Chalmers & Williams, Inc., Chicago, Ill. Gyratory crushers. No. 100,096; Oct. 6; Gaz. vol. 207; p. 293.
- Chamberlain Company, The, Pittsburgh, Pa. Sprays for plants, shrubs, and trees. No. 95,299; Feb. 10; Gaz. vol. 199; p. 611.
- Chamberlin Laboratories, Inc., Chicago, Ill. Medicine for syphilis, &c. No. 95,520; Feb. 24; Gaz. vol. 199; p. 1239.
- Chambers Bro's., Middletown, N. Y. Liniment or ointment for rheumatism, lumbago, &c. No. 100,954; Nov. 3; Gaz. vol. 208; p. 333.
- Chambers, John A., New York, N. Y. Polishes for cleaning gold, silver, silver-plate, &c. No. 97,596; June 16; Gaz. vol. 203; p. 919.
- Chandon et Cie., Epernay, France. Champagne-wines. No. 95,300; Feb. 10; Gaz. vol. 199; p. 611.
- Channell Chemical Co., Chicago, Ill. Furniture-polish. No. 99,142; Aug. 18; Gaz. vol. 205; p. 1017.
- Chapin & Gould Paper Company, Springfield, Mass. Writing-paper. No. 95,062; Feb. 3; Gaz. vol. 199; p. 297.
- Chapin & Hollister Company, Providence, R. I. Certain articles and parts therefor made of plated, semiprecious, or precious metal. No. 97,528; June 9; Gaz. vol. 203; p. 597.
- Chapman, Frank, Providence, R. I. Friction-tape. No. 99,945; Sept. 29; Gaz. vol. 206; p. 1431.
- Chappell, Allen & Co., Limited, Redfield, Bristol, England. Corsets. No. 95,743; Mar. 10; Gaz. vol. 200; p. 577.
- Character Plastic Company, Cincinnati, Ohio. Statues, statuettes, and plastic relief. No. 97,597; June 16; Gaz. vol. 203; p. 919.
- Charles A. Eaton Company, Brockton, Mass. Leather boots and shoes. No. 96,260; Apr. 14; Gaz. vol. 201; p. 564.
- Charles A. Hedden, Inc. (See Hedden & Eberhardt, assignors.)
- Charles A. Schieren Company, New York, N. Y. Tanned hides. No. 95,157; Feb. 3; Gaz. vol. 199; p. 300.
- Charles Drury Jacobs, Inc., New York, N. Y. Writing and wrapping paper. No. 101,100; Nov. 10; Gaz. vol. 208; p. 653.
- Charles E. Hancock Company, Providence, R. I. Jewelry. No. 96,672; Apr. 28; Gaz. vol. 201; p. 1214.
- Charles E. Hires Company, Philadelphia, Pa. Beverage made from white-grape juice. No. 97,535; June 9; Gaz. vol. 203; p. 597.
- Charles F. Mattlage & Sons, New York, N. Y. Pickled, salted, dried, and preserved fish. No. 100,858; Oct. 27; Gaz. vol. 207; p. 1244.

Alphabetical list of registrants of trade-marks—Continued.

- Charles H. Besly & Company, Chicago, Ill. Grinding-disks. No. 96,230; Apr. 14; Gaz. vol. 201; p. 563.
- Charles H. Besly & Company, Chicago, Ill. Grinding-disks. No. 98,623; July 28; Gaz. vol. 204; p. 1339.
- Charles Herendeen Milling Company, Chicago, Ill. Wheat-flour. No. 101,287; Nov. 24; Gaz. vol. 208; p. 1351.
- Charles Kinloch & Company, Limited, London, England. Rum. No. 98,785; Aug. 4; Gaz. vol. 205; p. 298.
- Charles M. Hay Paint Co., Portland, Me. Polish for cleaning and polishing enameled and painted surfaces, &c. No. 98,387; July 14; Gaz. vol. 204; p. 670.
- Charles Niedner's Sons Co., Malden, Mass. Linen hose. No. 100,873; Oct. 27; Gaz. vol. 207; p. 1245.
- Charles Tiedemann Milling Co., O'Fallon, Ill. Wheat-flour. No. 98,336; July 7; Gaz. vol. 204; p. 315.
- Charles Tiedemann Milling Co., O'Fallon, Ill. Wheat-flour. No. 99,919; Sept. 22; Gaz. vol. 206; p. 1159.
- Charles Tiedemann Milling Company, O'Fallon, Ill. Wheat-flour. Nos. 98,589-90; July 21; Gaz. vol. 204; p. 1009.
- Charles W. Stores, Inc., The, Brooklyn, N. Y. Bicycles. No. 100,468; Oct. 20; Gaz. vol. 207; p. 926.
- Charles Zoller Co., New York, N. Y. Filter masse. No. 98,609; July 21; Gaz. vol. 204; p. 1009.
- Charleston Electrical Supply Co., Charleston, W. Va. Certain named electrical apparatus and supplies. No. 97,678; June 16; Gaz. vol. 203; p. 921.
- Chas. Emmerich & Co., Chicago, Ill. Feather pillows. No. 95,414; Feb. 17; Gaz. vol. 199; p. 934.
- Chas. Jacquinet & Cie., Inc., New York, N. Y. Concentrated non-alcoholic summer beverage. No. 101,395; Dec. 8; Gaz. vol. 209; p. 680.
- Chas. M. Cox Co., Boston, Mass. Certain named poultry and stock feeds. No. 100,284; Oct. 20; Gaz. vol. 207; p. 920.
- Chas. M. Cox Co., Boston, Mass. Certain named poultry feeds. No. 100,516; Oct. 20; Gaz. vol. 207; p. 927.
- Chas. Morrill, New York, N. Y. Certain named cutlery, tools, and machines. No. 100,012; Sept. 29; Gaz. vol. 206; p. 1433.
- Chas. R. Long, Jr., Co., Louisville, Ky., and Chicago, Ill. Mixed paints. No. 97,064; May 19; Gaz. vol. 202; p. 946.
- Chas. S. Tanner Company, Providence, R. I. Soluble starches, softener and finishing compounds for cotton, &c., fibers. No. 99,407; Aug. 25; Gaz. vol. 205; p. 1321.
- Chas. S. Tanner Company, Providence, R. I. Gums. No. 100,650; Oct. 20; Gaz. vol. 207; p. 931.
- Chasco Co., The, Philadelphia, Pa. Tooth powder and paste, worm-syrup, blackberry cordial, &c. No. 96,103; Apr. 7; Gaz. vol. 201; p. 261.
- Chase & Company, Jacksonville, Fla. Citrus fruits and tomatoes. No. 97,949; June 30; Gaz. vol. 203; p. 1549.
- Chase & Company, L. C., Boston, Mass. Waterproof textile fabric. No. 95,744; Mar. 10; Gaz. vol. 200; p. 577.
- Chase & Sanborn, Boston, Mass. Coffee. No. 99,548; Sept. 8; Gaz. vol. 206; p. 583.
- Chase & Sanborn, Boston, Mass. Coffee. No. 99,946; Sept. 29; Gaz. vol. 206; p. 1431.
- Chatfield & Woods Company, Cincinnati, Ohio. Bond writing-paper. No. 99,693; Sept. 15; Gaz. vol. 206; p. 869.
- Chattanooga Implement & Manufacturing Co., Chattanooga, Tenn. Certain named agricultural implements. No. 97,121; May 19; Gaz. vol. 202; p. 947.
- Chautauqua Institution, Chautauqua and New York, N. Y. Monthly and weekly periodicals. No. 99,694; Sept. 15; Gaz. vol. 206; p. 869.
- Cheek-Neal Coffee Co., Nashville, Tenn. Coffee. No. 99,196; Aug. 25; Gaz. vol. 205; p. 1315.
- Cheek-Neal Coffee Co., Nashville, Tenn. Coffee. Nos. 101,506-7; Dec. 22; Gaz. vol. 209; p. 1313.
- Chemical Specialties Co., Jersey City, N. J. Adhesive. No. 96,104; Apr. 7; Gaz. vol. 201; p. 261.
- Chemical Specialties Co., The, Kansas City, Mo. Alloys for welding and repairing aluminum castings, crank-cases, &c. No. 98,856; Aug. 4; Gaz. vol. 205; p. 300.
- Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Paints for retouching and coloring photographic pictures. No. 95,989; Mar. 31; Gaz. vol. 200; p. 1385.
- Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Remedies for gout and rheumatism. No. 98,479; July 21; Gaz. vol. 204; p. 1005.
- Chemische Fabrik Schweinfurt Gesellschaft mit beschränkter Haftung, Schweinfurt, Germany. Dye colors, dyes, and insecticides. No. 97,950; June 30; Gaz. vol. 203; p. 1549.
- Chemische Fabrik von Heyden, Aktiengesellschaft, Radebeul, near Dresden, Germany. Acetyl-salicylic acids. No. 98,042; June 30; Gaz. vol. 203; p. 1552.
- Chero-Cola Co., Columbus, Ga. Non-intoxicating carbonated beverage and syrup for making same. No. 94,884; Jan. 13; Gaz. vol. 198; p. 490.
- Chertoff, Noah, New York, N. Y. Thread and yarn. No. 96,105; Apr. 7; Gaz. vol. 201; p. 261.
- Chesbro Manufacturing Company, The, Oneonta, N. Y. Lawn-mower sharpeners. No. 100,097; Oct. 6; Gaz. vol. 207; p. 293.
- Chesman-Reinbolt Co., The, Deerfield, Mich. Remedy for certain named diseases. No. 98,248; July 7; Gaz. vol. 204; p. 313.
- Chester, Bessie M., Longbeach, Cal. Baskets woven of palm-leaves. No. 94,801; Jan. 6; Gaz. vol. 198; p. 235.
- Chevrolet Motor Company, Flint, Mich. Automobiles, motor-vehicles, and parts thereof. Nos. 95,398-400; Feb. 17; Gaz. vol. 199; p. 933.
- Chevrolet Motor Company, Flint, Mich. Automobiles, motor-vehicles, and parts thereof. No. 95,990; Mar. 31; Gaz. vol. 200; p. 1385.
- Chiba, Shirosaburo, Seattle, Wash. Medicines for venereal diseases. No. 99,948; Sept. 29; Gaz. vol. 206; p. 1431.
- Chic-A-Lax Manufacturing Co., Minneapolis, Minn. Digestive agent. No. 100,098; Oct. 6; Gaz. vol. 207; p. 293.
- Chicago Cleaning Company, York, Nebr. Cleaning compound for textile fabrics. No. 96,250; Apr. 14; Gaz. vol. 201; p. 564.
- Chicago Directory Company, The, Chicago, Ill. Annual publication. No. 101,364; Dec. 8; Gaz. vol. 209; p. 679.
- Chicago Electric Meter Company, Chicago, Ill. Electric meters and printing and indicating attachments therefor. No. 97,322; June 2; Gaz. vol. 203; p. 297.
- Chicago Electric Meter Company, Chicago, Ill. Electricity-metering apparatus. No. 98,480; July 21; Gaz. vol. 204; p. 1006.
- Chicago Fire Brick Co., Chicago, Ill. Bricks, tile, flue-lining, &c. No. 99,427; Sept. 1; Gaz. vol. 206; p. 307.
- Chicago Fire Brick Co., Chicago, Ill. Bricks, tile pipe, flue-lining, &c. No. 100,270; Oct. 20; Gaz. vol. 207; p. 920.
- Chicago Folding Box Company, Chicago, Ill. Paper cartons. No. 95,521; Feb. 24; Gaz. vol. 199; p. 1239.
- Chicago Heights Bottle Co., Chicago Heights, Ill. Glass bottles. No. 97,822; June 23; Gaz. vol. 203; p. 1255.
- Chicago Shipping & Receipt Book Co., Chicago, Ill. Current, &c., binders, spring-holders, and ring-books. No. 96,251; Apr. 14; Gaz. vol. 201; p. 564.
- Chicago Steel Tape Company, Chicago, Ill., and La Crosse, Wis. Certain named field and highway engineers' and surveyors' supplies. No. 97,214; May 26; Gaz. vol. 202; p. 1253.
- Chicago Varnish Co., Chicago, Ill. Varnishes, japans, enamels, paints, &c. No. 100,955; Nov. 3; Gaz. vol. 208; p. 333.
- Chicago Varnish Company, Chicago, Ill. Varnishes, manufactured paints, enamels, japans, &c. No. 95,401; Feb. 17; Gaz. vol. 199; p. 933.
- Chila, Mathias, Whiting, Ind. Remedy for disorders of the stomach and bowels. No. 99,549; Sept. 8; Gaz. vol. 206; p. 583.
- Chilhowee Medicine Company, Athens, Tenn. Tonic remedy for certain named diseases. No. 96,568; Apr. 21; Gaz. vol. 201; p. 900.
- Chiozza & Turchi, Pontelagoscuro and Ferrara, Italy. Soap, soap cream and powder, and like detergents. No. 101,249; Nov. 17; Gaz. vol. 208; p. 983.
- Chippewa Milling Company, Montevideo, Minn. Wheat and Graham flours and breakfast food made of wheat. No. 101,508; Dec. 22; Gaz. vol. 209; p. 1313.
- Chippewa Shoe Manufacturing Company, Chippewa Falls, Wis. Leather boots and shoes. No. 95,601; Mar. 3; Gaz. vol. 200; p. 273.
- Chisholm, Charles P., Oakville, Ontario, Canada. Rubber-preservedatives. No. 94,802; Jan. 6; Gaz. vol. 198; p. 235.
- Chloride Process Company, Chicago, Ill. Electrolytic cells. No. 101,365; Dec. 8; Gaz. vol. 209; p. 679.
- Choralcelo Company, Portland, Me., and Boston, Mass. Musical instruments with certain electrical attachments. No. 99,428; Sept. 1; Gaz. vol. 206; p. 307.
- Christchurch Meat Company, Limited, The, Christchurch, New Zealand, and London, England. Frozen and preserved meats and bacon. No. 98,633; July 28; Gaz. vol. 204; p. 1339.
- Christchurch Meat Company, Limited, Christchurch, New Zealand, and London, England. Frozen mutton and lamb. No. 98,634; July 28; Gaz. vol. 204; p. 1339.
- Christian Co., The, New York, N. Y. Cereal breakfast foods, prepared foods for infants and invalids, and bran-meal. No. 94,885; Jan. 13; Gaz. vol. 198; p. 490.
- Christofidy, Theodore, New York, N. Y. Cigarettes. No. 100,271; Oct. 20; Gaz. vol. 207; p. 920.
- Chubbuck, Wm., New York, N. Y. Medicines. No. 97,466; June 9; Gaz. vol. 203; p. 595.
- Churchill & Alden Co., Brockton, Mass. Shoes and boots. No. 96,644; Apr. 28; Gaz. vol. 201; p. 1213.
- Churchill, F. W., Proctor, Vt. Preparation for the treatment of toothache. No. 97,215; May 26; Gaz. vol. 202; p. 1253.
- Churchill Grain & Seed Company, The, Buffalo, N. Y. Clover-seed. No. 96,784; May 5; Gaz. vol. 202; p. 309.
- Cie Gle de Phonographes, Cinematographes et Appareils de Precision, Paris, France. Kinematographic apparatus. No. 99,695; Sept. 15; Gaz. vol. 206; p. 869.
- Cima y Garcia, José, Oviedo, Spain. Cider. No. 98,760; Aug. 4; Gaz. vol. 205; p. 298.
- Cincinnati Oil Works Co., The, Cincinnati, Ohio. Metal-polish. No. 100,505; Oct. 20; Gaz. vol. 207; p. 927.
- Cincinnati Sheet Metal & Roofing Co., The, Cincinnati, Ohio. Sheet-metal roofing. No. 95,522; Feb. 24; Gaz. vol. 199; p. 1239.
- Cinzano & Co., Francesco, Turin, Italy. Vermuth. No. 95,745; Mar. 10; Gaz. vol. 200; p. 577.

Alphabetical list of registrants of trade-marks—Continued.

- Cione, Lorenzo, New York, N. Y. Medicinal preparation for the treatment of nervous disorders. No. 96,866; May 5; Gaz. vol. 202; p. 312.
- Cipolla, Angelo, Providence, R. I. Certain named non-alcoholic beverages. No. 98,362; July 14; Gaz. vol. 204; p. 669.
- Claire Manufacturing Co., Chicago, Ill. Soap. No. 95,746; Mar. 10; Gaz. vol. 200; p. 577.
- Clanton & Webb Company, Atlanta, Ga. Blackboard crayons and erasers. No. 100,272; Oct. 20; Gaz. vol. 207; p. 920.
- Claremont Machinery Company. (See Sullivan Machinery Company, assignor.)
- Clark & Company, W. G., North Attleboro, Mass. Steel pocket-knives, razors, and scissors. No. 97,753; June 16; Gaz. vol. 203; p. 924.
- Clark, Curtis A., College Corner, Ohio. Preparation for treating certain diseases of horses, mules, and cattle. No. 97,393; June 2; Gaz. vol. 203; p. 299.
- Clark, George E., assignor to Superior Peanut Company, Cleveland, Ohio. Confection of popcorn and peanuts. No. 99,081; Aug. 18; Gaz. vol. 205; p. 1015.
- Clarke, John L., Albuquerque, N. Mex. Clothes-racks. No. 96,785; May 5; Gaz. vol. 202; p. 309.
- Clarksville Medicine Company, Clarksville, Tenn. Preparations for the treatment of certain named diseases. No. 98,128; July 7; Gaz. vol. 204; p. 309.
- Clauberg & Co., F. A., New York, N. Y. Razors, razor-blades, knives, scissors, and shears. No. 96,252; Apr. 14; Gaz. vol. 201; p. 564.
- Clausen, James, St. Louis, Mo. Hair- tonic and dandruff remedy. No. 97,323; June 2; Gaz. vol. 203; p. 297.
- Clawson, Lewis T., Wiersdale and Plymouth, Fla., and Brooklyn, N. Y. Oranges and grape-fruit. No. 99,550; Sept. 8; Gaz. vol. 206; p. 583.
- Clayton Bros., Inc., Bristol, Conn. Scissors and shears. No. 98,129; July 7; Gaz. vol. 204; p. 309.
- Clemens Müller, Gesellschaft mit beschränkter Haftung, Dresden, Germany. Sewing-machines and parts thereof. No. 97,122; May 19; Gaz. vol. 202; p. 947.
- Clemens Müller Gesellschaft mit beschränkter Haftung, Dresden, Germany. Type-writing machines and parts thereof. Nos. 97,123-4; May 19; Gaz. vol. 202; p. 948.
- Clement and Company, A. S., Van Buren, Me. Liquid preparation for the skin. No. 99,847; Sept. 22; Gaz. vol. 206; p. 1157.
- Clement Restein Company, Philadelphia, Pa. Fiber and rubber packings. No. 101,209; Nov. 17; Gaz. vol. 208; p. 981.
- Cleveland-Akron Bag Co., The, Cleveland, Ohio. Woven textile used in manufacturing bags, certain coverings, and materials. No. 98,363; July 14; Gaz. vol. 204; p. 669.
- Cleveland-Akron Bag Company, The, Cleveland, Ohio. Printed signs. No. 101,133; Nov. 17; Gaz. vol. 208; p. 979.
- Cleveland Electro Metals Company, The, Cleveland, Ohio. Aluminum castings. No. 100,768; Oct. 27; Gaz. vol. 207; p. 1242.
- Cleveland Foundry Co., Cleveland, Ohio. Oil-stoves, portable steel ovens, sad-iron heaters, &c. No. 98,481; July 21; Gaz. vol. 204; p. 1006.
- Cleveland Metal Products Company, The, Cleveland, Ohio. Tables and stands. No. 100,506; Oct. 20; Gaz. vol. 207; p. 927.
- Cleveland Salt Company, The, Cleveland, Ohio. Salt. No. 99,848; Sept. 22; Gaz. vol. 206; p. 1157.
- Cleveland Suction Cleaner Co., The, Cleveland, Ohio. Electrically-operated vacuum-cleaners. No. 99,001; Aug. 11; Gaz. vol. 205; p. 657.
- Cleveland Wire Spring Co., Cleveland, Ohio. Bed-springs. No. 99,431; Sept. 1; Gaz. vol. 206; p. 307.
- Clicquot Club Company, Providence, R. I., and Millis, Mass. Ginger-ale, sarsaparilla, birch and root beers, &c. No. 97,324; June 2; Gaz. vol. 203; p. 297.
- Climax Coffee and Baking Powder Co., The, Indianapolis, Ind. Blended coffee. No. 97,216; May 26; Gaz. vol. 202; p. 1253.
- Clinedinst Coal and Heat Saving Chemical Company, The, Washington, D. C. Compound for treating coal. No. 96,106; Apr. 7; Gaz. vol. 201; p. 261.
- Clip Bar Manufacturing Company, Philadelphia, Pa. Concrete constructions in sidewalks and curbs. No. 98,635; July 28; Gaz. vol. 204; p. 1339.
- Clip-Bar Manufacturing Company, Philadelphia, Pa. Concrete sockets and inserts. No. 100,273; Oct. 20; Gaz. vol. 207; p. 920.
- Close, Thomas J., *et al.*, executors. (See Hibbs, Josephine L.)
- Closset & Devers, Portland, Oreg. Tea, flavoring extracts, and spices. No. 96,945; May 12; Gaz. vol. 202; p. 627.
- Clothier Publishing Co., Inc., New York, N. Y. Monthly publication. No. 101,134; Nov. 17; Gaz. vol. 208; p. 979.
- Cloud, Otho E., Philadelphia, Pa. Weekly publication of horse-racing. No. 101,366; Dec. 8; Gaz. vol. 209; p. 679.
- Cloud Publishing Company, Chicago, Ill. Monthly magazines. No. 98,636; July 28; Gaz. vol. 204; p. 1339.
- Cloud Publishing Company, Chicago, Ill. Monthly magazines. No. 99,429; Sept. 1; Gaz. vol. 206; p. 307.
- Cloud Publishing Company, Chicago, Ill. Weekly publications. No. 99,849; Sept. 22; Gaz. vol. 206; p. 1157.
- Cloutier, Joseph, Worcester, Mass. Remedy for dyspepsia. No. 99,850; Sept. 22; Gaz. vol. 206; p. 1157.
- Cluett, Peabody & Co., Troy, N. Y. Collars. No. 96,569; Apr. 21; Gaz. vol. 201; p. 900.
- Cluett, Peabody & Co. Inc., Troy, N. Y. Collars, cuffs, and shirts. No. 96,645; Apr. 28; Gaz. vol. 201; p. 1213.
- Clyde Milling and Elevator Company, Clyde, Kans. Wheat-flour. No. 99,851; Sept. 22; Gaz. vol. 206; p. 1157.
- Co-operative Drug Manufacturing Company, Jackson, Tenn. Blackberry cordial. Nos. 99,558-60; Sept. 8; Gaz. vol. 206; p. 583.
- Co-operative Drug Manufacturing Company, Jackson, Tenn. Furniture-polish. No. 99,561; Sept. 8; Gaz. vol. 206; p. 584.
- Co-operative Drug Manufacturing Company, Jackson, Tenn. Machine-oil. Nos. 99,562-3; Sept. 8; Gaz. vol. 206; p. 584.
- Co-operative Drug Manufacturing Company, now by change of name American Drug Mfg. Co., Jackson, Tenn. Furniture-polish. Nos. 99,700-1; Sept. 15; Gaz. vol. 206; p. 869.
- Co-operative Drug Manufacturing Company, now by change of name American Drug Mfg. Co., Jackson, Tenn. Machine-oil. No. 99,702; Sept. 15; Gaz. vol. 206; p. 869.
- Co-operative Drug Manufacturing Company, now by change of name American Drug Mfg. Co., Jackson, Tenn. Metal-polish, glove and clothes cleaners, and soap. No. 99,703; Sept. 15; Gaz. vol. 206; p. 869.
- Co-operative Drug Manufacturing Company, (now by change of name American Drug Mfg. Co.,) Jackson, Tenn. Blackberry cordial. No. 99,853; Sept. 22; Gaz. vol. 206; p. 1157.
- Co-operative Drug Manufacturing Company, (now by change of name American Drug Mfg. Co.,) Jackson, Tenn. Glove and clothes cleaners. No. 99,854; Sept. 22; Gaz. vol. 206; p. 1157.
- Co-operative Drug Manufacturing Company, (now by change of name American Drug Mfg. Co.,) Jackson, Tenn. Certain named medicines and pharmaceutical preparations. Nos. 99,951-3; Sept. 29; Gaz. vol. 206; p. 1431.
- Co-operative Drug Manufacturing Company, (now by change of name American Drug Mfg. Co.,) Jackson, Tenn. Machine-oil. No. 99,954; Sept. 29; Gaz. vol. 206; p. 1431.
- Co-operative Drug Manufacturing Company, (now by change of name American Drug Mfg. Co.,) Jackson, Tenn. Medicated stock food. No. 100,280; Oct. 20; Gaz. vol. 207; p. 920.
- Co-operative Drug Manufacturing Company, (now by change of name American Drug Mfg. Co.,) Jackson, Tenn. Shaving-lotions, glove-cleaner. No. 100,281; Oct. 20; Gaz. vol. 207; p. 920.
- Co-operative Drug Manufacturing Company, (now by change of name American Drug Mfg. Co.,) Jackson, Tenn. Liquid clothes-cleaner. No. 100,514; Oct. 20; Gaz. vol. 207; p. 927.
- Co-operative Drug Manufacturing Company, now, by change of name, American Drug Mfg. Co., Jackson, Tenn. Medicated stock food. No. 101,270; Nov. 24; Gaz. vol. 208; p. 1351.
- Co-operative Orange Ass'n, Lindsay, Cal. Citrus fruits. Nos. 99,955-6; Sept. 29; Gaz. vol. 206; p. 1431.
- Cobb County Chemical Mining Co., Atlanta, Ga. Chemical drier for fertilizers. No. 99,697; Sept. 15; Gaz. vol. 206; p. 869.
- Cobb Preserving Company, Fairport and Canandaigua, N. Y. Canned fruits and vegetables. No. 95,890; Mar. 24; Gaz. vol. 200; p. 1110.
- Coburn, Clarence W., San Francisco, Cal. Floor-oils. No. 99,430; Sept. 1; Gaz. vol. 206; p. 307.
- Coburn, Jasen and Kline, San Francisco, Cal. Shock-absorbers. No. 100,507; Oct. 20; Gaz. vol. 207; p. 927.
- Cochran Pipe Wrench Mfg. Co., Chicago, Ill. Wrenches. No. 97,823; June 23; Gaz. vol. 203; p. 1255.
- Cochrane, Charles E., New York, N. Y. Rulers. No. 94,803; Jan. 6; Gaz. vol. 198; p. 235.
- Cochrane Co., Brooklyn, N. Y. Preparation for destroying insects. No. 100,508; Oct. 20; Gaz. vol. 207; p. 927.
- Cochrane Manufacturing Co., Dedham, Mass. Carpets. Nos. 100,274-5; Oct. 20; Gaz. vol. 207; p. 920.
- Cocoanut Specialty Co., The, Philadelphia, Pa. Candy. No. 97,599; June 16; Gaz. vol. 203; p. 919.
- Code Portwood Canning Co., Oakland, Cal. Canned fruits and vegetables. No. 95,602; Mar. 3; Gaz. vol. 200; p. 273.
- Coe-Mortimer Company, The, New York, N. Y. Combination fertilizer and worm and weed killer. No. 100,509; Oct. 20; Gaz. vol. 207; p. 927.
- Coes & Young Co., Boston, Mass. Boots, shoes, and slippers. No. 97,041; May 19; Gaz. vol. 202; p. 945.
- Cohen, Harry, Philadelphia, Pa. Outer coats. No. 99,082; Aug. 18; Gaz. vol. 205; p. 1015.
- Cohen, Jules E., Paris, France. Automobiles, motor boats and cycles, aeroplanes, and aerohydroplanes. No. 96,253; Apr. 14; Gaz. vol. 201; p. 564.
- Cohen, Lewis, Bloomsburg, Pa. Cigars. No. 99,197; Aug. 25; Gaz. vol. 205; p. 1315.

- Cohen, Philip M., Cheetham, Manchester, England. Certain named clothing for men and women. No. 98,637; July 28; Gaz. vol. 204; p. 1339.
- Cohen & Son, Charles J., Philadelphia, Pa. Envelops. No. 95,063; Feb. 3; Gaz. vol. 199; p. 297.
- Cohn & Deutsch, Los Angeles, Cal. Shirts. No. 96,570; Apr. 21; Gaz. vol. 201; p. 900.
- Cohn Goldwater & Co., Los Angeles, Cal. Knitted underwear. No. 95,216; Feb. 3; Gaz. vol. 199; p. 302.
- Cohn, Max, Philadelphia, Pa. Petticoats and underskirts. No. 95,524; Feb. 24; Gaz. vol. 199; p. 1239.
- Coboon, James A., St. Louis, Mo. Caps. No. 98,638; July 28; Gaz. vol. 204; p. 1339.
- Cole, Barzillai L., St. Louis, Mo. Tablet for relief of disorders of the liver, and for constipation. No. 100,956; Nov. 3; Gaz. vol. 208; p. 333.
- Coles Company, The, Middletown, Conn. Wheat-flour. No. 97,600; June 16; Gaz. vol. 203; p. 919.
- Colgate & Co., New York, N. Y. Soaps and soap powders. No. 95,747; Mar. 10; Gaz. vol. 200; p. 577.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. Soaps and soap powder. No. 97,951; June 30; Gaz. vol. 203; p. 1549.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. Dental cream. No. 98,482; July 21; Gaz. vol. 204; p. 1006.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. Soaps and soap powders. No. 98,751; Aug. 4; Gaz. vol. 205; p. 297.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. Liquid and powdered perfumes. No. 99,551; Sept. 8; Gaz. vol. 206; p. 583.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. Soaps and soap powders. No. 101,093; Nov. 10; Gaz. vol. 208; p. 653.
- Collin Street Bakery, Corsicana, Tex. Fruit cake. No. 100,197; Oct. 13; Gaz. vol. 207; p. 605.
- Collins Company, The, Collinsville, Conn. Certain named cutlery and tools. No. 97,825; June 23; Gaz. vol. 203; p. 1255.
- Collins Company, The, Collinsville, Conn. Certain named cutlery and tools. No. 100,099; Oct. 6; Gaz. vol. 207; p. 293.
- Colonial Shirt Company, New York, N. Y. Men's dress, negligée, and work shirts. No. 94,804; Jan. 6; Gaz. vol. 198; p. 235.
- Colorado Radium Products Company, The, Denver, Colo. Generator for producing radio-activity in liquids, and especially water. No. 101,036; Nov. 10; Gaz. vol. 208; p. 651.
- Colorado Radium Products Company, The, Denver, Colo. Radio-active salve or poultice. No. 101,135; Nov. 17; Gaz. vol. 208; p. 979.
- Colton, Andrew J., Stapleton, N. Y. Compound digestive powder. No. 100,510; Oct. 20; Gaz. vol. 207; p. 927.
- Columbia Graphophone Company, Washington, D. C. Talking-machines and records. No. 95,703; Mar. 3; Gaz. vol. 200; p. 276.
- Columbia Guano Co., Norfolk, Va. Fertilizers. Nos. 98,926-34; Aug. 11; Gaz. vol. 205; p. 655.
- Columbia Guano Co., Norfolk, Va. Fertilizers. Nos. 99,552-6; Sept. 8; Gaz. vol. 206; p. 583.
- Columbia School Supply Co., Indianapolis, Ind. Certain named school and office furniture. No. 95,064; Feb. 3; Gaz. vol. 199; p. 297.
- Columbia Star Milling Co., Columbia, Ill. Wheat-flour. Nos. 98,483-4; July 21; Gaz. vol. 204; p. 1006.
- Columbia Star Milling Co., Columbia, Ill. Wheat-flour. No. 98,857; Aug. 4; Gaz. vol. 205; p. 300.
- Columbia Wax Products Co., New York, N. Y. Ironing-wax. No. 96,107; Apr. 7; Gaz. vol. 201; p. 262.
- Columbia Wax Works, New York, N. Y. Paraffin-wax. No. 100,100; Oct. 6; Gaz. vol. 207; p. 294.
- Columbian Rope Co., Auburn, N. Y. Fiber clothes-lines. No. 97,529; June 9; Gaz. vol. 203; p. 597.
- Columbian Rope Company, Auburn, N. Y. Rope. No. 98,364; July 14; Gaz. vol. 204; p. 669.
- Columbus Dental Manufacturing Co., The, Columbus, Ohio. Artificial teeth and teeth-facings. No. 100,277; Oct. 20; Gaz. vol. 207; p. 920.
- Columbus Dental Mfg. Company, Columbus, Ohio. Artificial teeth, tooth facings and backings. Nos. 98,365-6; July 14; Gaz. vol. 204; p. 669.
- Colvin, George A., Chicago, Ill. Digestive tablet. No. 100,101; Oct. 6; Gaz. vol. 207; p. 294.
- Comet Cycle Car Company, Indianapolis, Ind. Automobiles. No. 96,254; Apr. 14; Gaz. vol. 201; p. 564.
- Commercial Electrical Supply Co., St. Louis, Mo. Dry-cell batteries. No. 97,679; June 16; Gaz. vol. 203; p. 921.
- Commercial Paste Co., Columbus, Ohio. Writing-ink. No. 101,564; Dec. 29; Gaz. vol. 209; p. 1687.
- Commonwealth Electric & Manufacturing Company, St. Louis, Mo. Massage instruments. No. 100,278; Oct. 20; Gaz. vol. 207; p. 920.
- Commonwealth Shoe and Leather Co., The, Boston, Mass. Leather boots and shoes. No. 95,065; Feb. 3; Gaz. vol. 199; p. 297.
- Compagnie Générale des Etablissements Pathé Frères, (Phonographe & Cinématographe,) Paris, France. Talking-machines and parts thereof. No. 96,646; Apr. 28; Gaz. vol. 201; p. 1213.
- Compagnie Générale des Etablissements Pathé Frères, Phonographe et Cinématographe, Paris, France. Certain named scientific appliances and supplies therefor. No. 99,281; Aug. 25; Gaz. vol. 205; p. 1317.
- Compañia General de Tabacos de Filipinas, Barcelona, Spain, and Manila, Philippine Islands. Cigars. Nos. 96,647-9; Apr. 28; Gaz. vol. 201; p. 1214.
- Compañia General de Tabacos de Filipinas, Barcelona, Spain, and Manila, Philippine Islands. Cigars. Nos. 96,786-7; May 5; Gaz. vol. 202; p. 309.
- Compañia General de Tabacos de Filipinas, Barcelona, Spain, and Manila, Philippine Islands. Cigars and cigarettes. No. 96,788; May 5; Gaz. vol. 202; p. 309.
- Compañia General de Tabacos de Filipinas, Barcelona, Spain, and Manila, Philippine Islands. Cigars. Nos. 96,941-3; May 12; Gaz. vol. 202; p. 627.
- Compañia General de Tabacos de Filipinas, Barcelona, Spain. Cigars, cigarettes, leaf-tobacco, and snuff. No. 97,952; June 30; Gaz. vol. 203; p. 1549.
- Condit, Harry H., Indianapolis, Ind. Ladies' undervests. No. 96,571; Apr. 21; Gaz. vol. 201; p. 900.
- Condit, Harry H., Indianapolis, Ind. Hosiery. No. 99,282; Aug. 25; Gaz. vol. 205; p. 1317.
- Condron, Theodore L., Chicago, Ill. Building plans and specifications and booklets. No. 96,789; May 5; Gaz. vol. 202; p. 309.
- Cone, Frederick H., New York, N. Y. Bristles, horsehair, fibers, animal and artificial hairs. No. 99,432; Sept. 1; Gaz. vol. 206; p. 307.
- Conn. Valley Manufacturing Company, The, Essex, Conn. Wood-boring bits. No. 95,603; Mar. 3; Gaz. vol. 200; p. 273.
- Conrad Seipp Brewing Company, Chicago, Ill. Beer. Nos. 98,822-3; Aug. 4; Gaz. vol. 205; p. 299.
- Conradty, Firm of C., Nuremberg, Germany. Certain named carbons, carbon specialties, and the like. No. 99,283; Aug. 25; Gaz. vol. 205; p. 1317.
- Conradty, Firm of C., Nuremberg, Germany. Electrical and galvanic carbons. No. 99,284; Aug. 25; Gaz. vol. 205; p. 1317.
- Conradty, Firm of C., Nuremberg, Germany. Electrical and galvanic carbons. No. 100,769; Oct. 27; Gaz. vol. 207; p. 1242.
- Consolidated Drug Co. Inc., The, Washington, D. C. Arnica and carbolic salve, corn paint and plaster. No. 99,557; Sept. 8; Gaz. vol. 206; p. 583.
- Consolidated Drug Co. Inc., The, Washington, D. C. Certain named medicines and preparations for treating certain diseases. No. 100,511; Oct. 20; Gaz. vol. 207; p. 927.
- Consolidated Drug Co. Inc., The, Washington, D. C. Tooth-wash and antiseptic solution, eye remedy. No. 100,512; Oct. 20; Gaz. vol. 207; p. 927.
- Consolidated Fastener Company, Portland, Me. Snap-fasteners for garments. No. 97,754; June 16; Gaz. vol. 203; p. 924.
- Consolidated Fire Works Company of America, New York, N. Y. Fireworks. No. 96,108; Apr. 7; Gaz. vol. 201; p. 262.
- Consolidated Fire Works Company of America, New York, N. Y. Fireworks. No. 99,285; Aug. 25; Gaz. vol. 205; p. 1317.
- Consolidated Grocery Company, Tampa, Jacksonville, and Pensacola, Fla. Oats. No. 95,704; Mar. 3; Gaz. vol. 200; p. 276.
- Consolidated Grocery Company, Pensacola, Jacksonville, and Tampa, Fla. Self-rising flour. No. 99,698; Sept. 15; Gaz. vol. 206; p. 869.
- Consolidated Grocery Company, Tampa, Jacksonville, and Pensacola, Fla. Butter. No. 100,770; Oct. 27; Gaz. vol. 207; p. 1242.
- Consolidated Safety Pin Co., Bloomfield, N. J. Safety-pins. No. 99,083; Aug. 18; Gaz. vol. 205; p. 1015.
- Consolidated Safety Valve Company, The, Bridgeport, Conn. Metallic valves and parts thereof. Nos. 98,367-8; July 14; Gaz. vol. 204; p. 669.
- Consolidated Soap Co., Cincinnati, Ohio. Toilet soap. No. 101,250; Nov. 17; Gaz. vol. 208; p. 983.
- Consolidated Textile Mills Co., Baltimore, Md. Woven cotton-fabric piece goods. No. 95,203; Feb. 3; Gaz. vol. 199; p. 301.
- Consumers Importing Co., Newark, N. J. Tea. No. 98,249; July 7; Gaz. vol. 204; p. 313.
- Continental Motor Mfg. Co., Detroit and Muskegon, Mich. Gas-engines. No. 100,771; Oct. 27; Gaz. vol. 207; p. 1242.
- Continental Oil Company, The, Denver, Colo. Gasolene, kerosene, and lubricating oil. No. 100,102; Oct. 6; Gaz. vol. 207; p. 294.
- Continental Rubber Works, Erie, Pa. Pneumatic tires. No. 98,250; July 7; Gaz. vol. 204; p. 313.
- Continental Rubber Works, Erie, Pa. Rubber tubes for pneumatic tires. No. 98,251; July 7; Gaz. vol. 204; p. 313.
- Continental Soap Company, The, Cincinnati, Ohio. Toilet and laundry soaps. No. 97,394; June 2; Gaz. vol. 203; p. 299.

Alphabetical list of registrants of trade-marks—Continued.

- Continental Supply Company, Youngstown, Ohio. Power transmission and conveyer belts. No. 99,699; Sept. 15; Gaz. vol. 206; p. 869.
- Continental Wood Screw Company, New Bedford, Mass. Wood-screws. No. 94,985; Jan. 20; Gaz. vol. 198; p. 699.
- Contogeones, Nicholas, New York, N. Y. Liniment. No. 98,485; July 21; Gaz. vol. 204; p. 1006.
- Convent Co., The, Morristown, N. J. Remedy for coughs and throat affections. No. 100,513; Oct. 20; Gaz. vol. 207; p. 927.
- Converse & Company, New York, N. Y. Cotton piece goods. Nos. 96,490-9; Apr. 21; Gaz. vol. 201; p. 898.
- Converse & Company, New York, N. Y. Cotton piece goods. No. 96,867; May 5; Gaz. vol. 202; p. 312.
- Converse & Company, New York, N. Y. Muslin. No. 99,084; Aug. 18; Gaz. vol. 205; p. 1015.
- Converse Rubber Shoe Co., Malden, Mass. Rubber tires, casings, and inner tubes. No. 99,852; Sept. 22; Gaz. vol. 206; p. 1157.
- Converse Rubber Shoe Co., Malden, Mass. Rubber tires, casings, and inner tubes. No. 100,772; Oct. 27; Gaz. vol. 207; p. 1242.
- Cook, Ellsworth W., Central Falls, R. I. Piece goods in cotton, silk, wool, &c. No. 100,966; Nov. 3; Gaz. vol. 208; p. 333.
- Cook, Ernest L., Bridgewater, Mass. Brick. No. 99,433; Sept. 1; Gaz. vol. 206; p. 307.
- Cook Railway Signal Company, The, Denver, Colo. Storage batteries. No. 95,066; Feb. 3; Gaz. vol. 199; p. 298.
- Cooley, Harry, Madison, Wis. Illuminating and fuel oils. No. 96,255; Apr. 14; Gaz. vol. 201; p. 564.
- Cooley, Harry, Madison, Wis. Oils and greases. No. 96,868; May 5; Gaz. vol. 202; p. 312.
- Coolidge, T. Jefferson, *et al.*, trustees. (See Amoskeag Manufacturing Company, assignor.)
- Cooper & Johnson, Kenosha, Wis. Certain named knitted and textile underwear. No. 97,217; May 26; Gaz. vol. 202; p. 1253.
- Cooper & Nephews, Wm., Berkhamsted, England, and Chicago, Ill. Insecticides. No. 99,950; Sept. 29; Gaz. vol. 206; p. 1431.
- Coppel, Alexander, Solingen, Germany. Certain named parts of cycles and vehicles other than engines. No. 95,067; Feb. 3; Gaz. vol. 199; p. 298.
- Cordley & Hayes, New York, N. Y. Freezers and beverage-coolers. No. 98,752; Aug. 4; Gaz. vol. 205; p. 297.
- Cormond, François, San Francisco, Cal. Cleaning and bleaching fluid. No. 96,790; May 5; Gaz. vol. 202; p. 309.
- Corn Products Refining Co., New York, N. Y. Table-syrup, corn-starch, edible corn-oil, jams, &c. No. 96,572; Apr. 21; Gaz. vol. 201; p. 900.
- Corn Products Refining Co., New York, N. Y. Starch. No. 100,282; Oct. 20; Gaz. vol. 207; p. 920.
- Corn Products Refining Company, New York, N. Y. Fruit jelly. No. 96,109; Apr. 7; Gaz. vol. 201; p. 262.
- Corona Mfg. Co., The, Kenton, Ohio. Wool-fat. No. 99,143; Aug. 18; Gaz. vol. 205; p. 1017.
- Coronal Company, Los Angeles, Cal. Certain pharmaceutical preparations and remedies for certain ailments and diseases. No. 101,478; Dec. 15; Gaz. vol. 209; p. 1050.
- Corovessis, George, New York, N. Y. Medicine for gall-stones. No. 101,368; Dec. 8; Gaz. vol. 209; p. 679.
- Corpening, Thomas B., St. Louis, Mo. Hosiery. No. 100,515; Oct. 20; Gaz. vol. 207; p. 927.
- Corset H Company, Worcester, Mass. Corsets, brassières, bust-supporters, and corset-waists. No. 95,748; Mar. 10; Gaz. vol. 200; p. 577.
- Corson, Zella S., Chicago, Ill. Leather or cloth shoes. No. 95,749; Mar. 10; Gaz. vol. 200; p. 577.
- Cosper, William P., Chicago, Ill. Practice type-writers. No. 99,286; Aug. 25; Gaz. vol. 205; p. 1318.
- Cotting, Charles E., *et al.*, trustees. (See Amoskeag Manufacturing Company, assignor.)
- Couch-Dean Corporation, Hartford, Conn. Washing-machines. No. 95,402; Feb. 17; Gaz. vol. 199; p. 933.
- Courtaulds, Limited, London, England. Piece goods of certain named materials and combination thereof. No. 96,650; Apr. 28; Gaz. vol. 201; p. 1214.
- Courtaulds, Limited, London, England. Silk piece goods. No. 96,869; May 5; Gaz. vol. 202; p. 312.
- Courteen Seed Company, Milwaukee, Wis. Certain named seeds. No. 99,434; Sept. 1; Gaz. vol. 206; p. 307.
- Courteen Seed Company, Milwaukee, Wis. Certain named seeds and seed-corn. No. 99,435; Sept. 1; Gaz. vol. 206; p. 307.
- Courteen Seed Company, Milwaukee, Wis. Yellow-dent seed-corn. No. 99,436; Sept. 1; Gaz. vol. 206; p. 307.
- Covino, Carlo A., New York, N. Y. Olive-oil. No. 97,953; June 30; Gaz. vol. 203; p. 1549.
- Cowgill & Hill Milling Co., Carthage, Mo. Flour. No. 95,604; Mar. 3; Gaz. vol. 200; p. 273.
- Cowgill, John, Prescott, Ariz. Medical compound for certain named ailments. No. 96,573; Apr. 21; Gaz. vol. 201; p. 900.
- Cowles-MacDowell Pneumobile Co., Chicago, Ill. Vehicles with pneumatic springs. No. 100,283; Oct. 20; Gaz. vol. 207; p. 920.
- Cox, Edward W., Cleveland, Ohio. Cathartics. No. 95,750; Mar. 10; Gaz. vol. 200; p. 577.
- Cragg, Samuel H., New York, N. Y. Hanging bags. No. 100,285; Oct. 20; Gaz. vol. 207; p. 920.
- Craighead Flour Co., The, Wilkesburg, Pa. Self-raising wheat-flour. No. 96,574; Apr. 21; Gaz. vol. 201; p. 900.
- Crane & Co., Dalton, Mass. Writing-paper. Nos. 97,395-401; June 2; Gaz. vol. 203; pp. 299-300.
- Crary Pure Food Company, Waukesha, Wis. Evaporated milk. No. 99,037; Aug. 11; Gaz. vol. 205; p. 658.
- Crawford, Nan C., New York, N. Y. Lotion for destroying perspiration odor. No. 98,132; July 7; Gaz. vol. 204; p. 309.
- Credit Clearing House, Jersey City, N. J., and New York, N. Y. Semi-annual publication of a record of enforced collections, &c. No. 99,704; Sept. 15; Gaz. vol. 206; p. 870.
- Cremolite Manufacturing Co., Portland, Oreg. Powders used in preparing whipped cream, eggs, &c. No. 98,858; Aug. 4; Gaz. vol. 205; p. 301.
- Crenshaw Bros. Seed Co., Tampa, Fla. Seeds. No. 97,402; June 2; Gaz. vol. 203; p. 300.
- Crescent Belting and Packing Company, Trenton, N. J. Insulated wire. No. 96,500; Apr. 21; Gaz. vol. 201; p. 898.
- Crescent Dental Mfg. Co., Chicago, Ill. Dental broaches. No. 96,944; May 12; Gaz. vol. 202; p. 627.
- Crescent Dental Mfg. Co., Chicago, Ill. Certain named articles used in dentistry. No. 100,286; Oct. 20; Gaz. vol. 207; p. 920.
- Crescent Forge & Shovel Co., Havana, Ill. Seeder and grain-drill points and planter-shoes. No. 97,042; May 19; Gaz. vol. 202; p. 945.
- Crescent Mill & Elevator Co., The, Denver, Colo. Wheat-flour. Nos. 99,564-5; Sept. 8; Gaz. vol. 206; p. 584.
- Crescent Mill & Elevator Co., The, Denver, Colo. Wheat-flour. No. 100,517; Oct. 20; Gaz. vol. 207; p. 927.
- Crescent Mill & Elevator Co., Denver, Colo. Self-rising wheat-flour. No. 101,566; Dec. 29; Gaz. vol. 209; p. 1687.
- Crescent Tool Co., Jamestown, N. Y. Pliers. No. 95,302; Feb. 10; Gaz. vol. 199; p. 611.
- Crescent Tool Co., Jamestown, N. Y. Pliers and wrenches. No. 97,826; June 23; Gaz. vol. 203; p. 1255.
- Cressman, Howard B., Philadelphia, Pa. Medicinal preparation for the treatment of fever-blisters. No. 97,467; June 9; Gaz. vol. 203; p. 595.
- Crest Cigar Co., The, Inc., New York, N. Y. Cigars. No. 96,791; May 5; Gaz. vol. 202; p. 309.
- Crew Levick Company, Philadelphia, Pa. Gasolene, naphtha, benzine, &c. No. 100,851; Oct. 27; Gaz. vol. 207; p. 1244.
- Crichfield, William T. S., Jersey City, N. J., and New York, N. Y. Bituminous sidewalks and pavements. No. 100,287; Oct. 20; Gaz. vol. 207; p. 920.
- Crisafulli Bros., New York, N. Y. Tomato paste with basil. No. 96,110; Apr. 7; Gaz. vol. 201; p. 262.
- Crittenden, Immer O., Cleveland, Ohio. Certain named veterinary surgical instruments. No. 96,946; May 12; Gaz. vol. 202; p. 627.
- Crocker, J. H., San Pedro and Los Angeles, Cal. Remedies for rheumatism. No. 100,773; Oct. 27; Gaz. vol. 207; p. 1242.
- Crompton Company, Crompton, R. I. Certain named textile fabrics. No. 98,253; July 7; Gaz. vol. 204; p. 313.
- Crooker, Gertrude M., Elmira, N. Y. Hair-tonic. No. 98,133; July 7; Gaz. vol. 204; p. 309.
- Cross, Abbott Co., White River Junction, Vt. Canned vegetables, fruits, and salmon, and coffee and tea. No. 95,405; Feb. 17; Gaz. vol. 199; p. 933.
- Cross, Abbott Co., White River Junction, Vt. Certain named foods. No. 99,038; Aug. 11; Gaz. vol. 205; p. 658.
- Cross, Charles V., San Francisco, Cal. Compound for the treatment of pneumonia, tuberculosis, and coughs. No. 95,246; Feb. 3; Gaz. vol. 199; p. 303.
- Crouse-Hinds Company, Syracuse, N. Y. Anchor-rods for guy-wire anchors. No. 96,792; May 5; Gaz. vol. 202; p. 309.
- Crouse-Hinds Company, Syracuse, N. Y. Cover parts and fittings for conduit outlet-boxes. No. 97,125; May 19; Gaz. vol. 202; p. 948.
- Crowley, Charles H., New York, N. Y. Fiber forms used in embroidery. No. 95,820; Mar. 17; Gaz. vol. 200; p. 853.
- Crown Chemical Works, London, England. Medicine used as analgesic and hypnotic. No. 94,987; Jan. 20; Gaz. vol. 198; p. 699.
- Crown Overall Manufacturing Co., The, Cincinnati, Ohio. Trousers and overalls. No. 100,774; Oct. 27; Gaz. vol. 207; p. 1242.
- Crusellas Hno. y Ca., Habana, Cuba. Soap. No. 99,855; Sept. 22; Gaz. vol. 206; p. 1157.
- Cruttenden, Henry L., Northfield, Minn. Dental cement-tubes. No. 100,696; Oct. 20; Gaz. vol. 207; p. 932.
- Crystallina Company. (See Hull, Alfred S., assignor.)
- Cudahy Packing Co., The, Chicago, Ill. Laundry soap. No. 97,403; June 2; Gaz. vol. 203; p. 300.
- Cumbee, William C., Sterling, Ga. Insect-destroyer. No. 101,369; Dec. 8; Gaz. vol. 209; p. 679.

- Cumberland Fertilizer Co., The, Cartersville, Ga. Fertilizer. No. 94,886; Jan. 13; Gaz. vol. 198; p. 490.
- Cunningham, Van B., Portland, Oreg. Rodent-exterminator. No. 96,870; May 5; Gaz. vol. 202; p. 312.
- Curd, George E., Paducah, Ky. Foot-powder. No. 98,043; June 30; Gaz. vol. 203; p. 1552.
- Curnes and Hood Confectionery Co., Chicago, Ill. Salted peanuts and almonds, pistachio-nuts, &c. No. 99,706; Sept. 15; Gaz. vol. 206; p. 870.
- Currick, Leiken & Bandler, New York, N. Y. Overcoats. No. 97,680; June 16; Gaz. vol. 203; p. 921.
- Curtis, Emma E., Melrose, Mass. Certain food preparation. No. 100,198; Oct. 13; Gaz. vol. 207; p. 605.
- Curtis, Frederick W., Akron, Ohio. Wood-polish. No. 98,134; July 7; Gaz. vol. 204; p. 309.
- Curtis, James, Chicago, Ill. Preparation for treatment of sore, tired, and aching feet. No. 99,856; Sept. 22; Gaz. vol. 206; p. 1157.
- Curtis Publishing Company, The, Philadelphia, Pa. Periodical. Nos. 95,991-5; Mar. 31; Gaz. vol. 200; p. 1385.
- Cusimano & Co., A., New Orleans, La. Tomato paste. No. 96,575; Apr. 21; Gaz. vol. 201; p. 900.
- Custer Milling Company, Custer, Okla. Wheat-flour. No. 100,518; Oct. 20; Gaz. vol. 207; p. 927.
- Cutler-Hammer Mfg Co., The, Milwaukee, Wis. Insulating material. Nos. 97,126-7; May 19; Gaz. vol. 202; p. 948.
- Cutler, William F., San Francisco, Cal. Antitoxin chewing-gum. No. 99,566; Sept. 8; Gaz. vol. 206; p. 584.
- Cyclone Fence Company, Waukegan and North Chicago, Ill. Certain fences, gates, arches, flower-guard, trellis, posts, and mats of metal. No. 100,957; Nov. 3; Gaz. vol. 208; p. 333.
- Cyklon Maschinenfabrik m. b. H., Berlin, Germany. Aeroplanes, motor-boats, automobile vehicles, bicycles, and parts. No. 100,695; Oct. 20; Gaz. vol. 207; p. 932.
- Czarniecki, Andrew J., McAdoo, Pa. Remedies for appendicitis. No. 95,525; Feb. 24; Gaz. vol. 199; p. 1239.
- D. De Bernardi & Co., San Francisco, Cal. Certain named foods. No. 99,568; Sept. 8; Gaz. vol. 206; p. 584.
- D. Leiden G. m. b. H., Cologne, Germany. Still and sparkling wines and champagne. No. 95,119; Feb. 3; Gaz. vol. 199; p. 299.
- D. Leiden G. m. b. H., Cologne, Germany. Still and sparkling wines and champagne. Nos. 95,442-3; Feb. 17; Gaz. vol. 199; p. 934.
- D. Leiden G. m. b. H., Cologne, Germany. Still and sparkling wines and champagne. No. 97,868; June 23; Gaz. vol. 203; p. 1257.
- D. D. Felton Brush Co., Atlanta, Ga. Brooms, brushes, and dusters. No. 100,311; Oct. 20; Gaz. vol. 207; p. 921.
- D'amour, Sophie, Rumford, Me. Medical preparations for treating certain named diseases. No. 99,438; Sept. 1; Gaz. vol. 206; p. 307.
- D'Emo, Basil, Chicago, Ill. Skin lotion and powder. No. 95,303; Feb. 10; Gaz. vol. 199; p. 611.
- D'Hondt Manufacturing Co., Detroit, Mich. Rupture-salve. No. 95,998; Mar. 31; Gaz. vol. 200; p. 1386.
- Daggett & Miller Company, Providence, R. I. Medicated lozenges for throat and bronchial affections. No. 99,002; Aug. 11; Gaz. vol. 205; p. 657.
- Dahlstrom Metallic Door Co., Jamestown, N. Y. Certain named metallic construction materials. No. 95,605; Mar. 3; Gaz. vol. 200; p. 273.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain hinges, springs, chains, and other articles of hardware and plumbing supplies. Nos. 97,681-2; June 16; Gaz. vol. 203; p. 921.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named metal castings and forgings. No. 100,778; Oct. 27; Gaz. vol. 207; p. 1242.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named electrical apparatus and supplies. No. 100,779; Oct. 27; Gaz. vol. 207; p. 1242.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Priming devices and cranking mechanism for internal-combustion engines and carbureters. No. 100,958; Nov. 3; Gaz. vol. 208; p. 333.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named airships, boats, motor-vehicles, &c. No. 100,959; Nov. 3; Gaz. vol. 208; p. 333.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named engines, tools, machinery, and parts thereof. No. 100,960; Nov. 3; Gaz. vol. 208; p. 333.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named automobile and vehicle appliances. No. 101,137; Nov. 17; Gaz. vol. 208; p. 979.
- Dallas Macaroni & Paste Manufacturing Co., Dallas, Tex. Macaroni, spaghetti, vermicelli, &c. Nos. 99,198-9; Aug. 25; Gaz. vol. 205; p. 1315.
- "Dalmatia" Portland Cement Works Company Ltd., Trieste, Austria-Hungary. Cement. No. 100,519; Oct. 20; Gaz. vol. 207; p. 927.
- Dalpini Macaroni Company, St. Louis, Mo. Macaroni, spaghetti, vermicelli, &c. No. 98,640; July 28; Gaz. vol. 204; p. 1340.
- Dame Stoddard Co., Boston, Mass. Fishing-tackle. No. 97,404; June 2; Gaz. vol. 203; p. 300.
- Damon, William H., Los Angeles, Cal. Polish for varnish. No. 99,958; Sept. 29; Gaz. vol. 206; p. 1431.
- Dancz Institute of New York, Inc., The, New York, N. Y. Liniment or lotion, gargle, ointment or salve, &c. No. 97,468; June 9; Gaz. vol. 203; p. 595.
- Daniel, Charles A., Philadelphia, Pa. Rubber hose. No. 97,405; June 2; Gaz. vol. 203; p. 300.
- Daniel, Chas. A., Philadelphia, Pa. Composite rod-pack-ing. No. 99,287; Aug. 25; Gaz. vol. 205; p. 1318.
- Daniels, Claude H., Boston, Mass. Boots and shoes. No. 95,068; Feb. 3; Gaz. vol. 199; p. 298.
- Daniels & Tullis, Tioga, La. Liniment. No. 94,961; Jan. 13; Gaz. vol. 198; p. 492.
- Daniels, Wm. S., Detroit, Mich. Automobile springs and wire wheels. No. 99,440; Sept. 1; Gaz. vol. 206; p. 307.
- Daprato Statuary Company, Chicago, Ill. Statuary and images. No. 100,697; Oct. 20; Gaz. vol. 207; p. 932.
- Darby Candy Co., The, Baltimore, Md. Chocolates. No. 96,111; Apr. 7; Gaz. vol. 201; p. 262.
- Darling & Company, Chicago, Ill. Poultry foods. No. 98,859; Aug. 4; Gaz. vol. 205; p. 301.
- Darrasse et Cie. L. H., et E., Paris, France. Pharmaceutical preparation. No. 95,404; Feb. 17; Gaz. vol. 199; p. 933.
- Darrow, George E., Eugene, Oreg. Cleanser for linens. No. 98,641; July 28; Gaz. vol. 204; p. 1340.
- Dart Manufacturing Company, The, Waterloo, Iowa. Motor-trucks. No. 97,683; June 16; Gaz. vol. 203; p. 921.
- Dart Manufacturing Company, The, Waterloo, Iowa. Motor-trucks. No. 99,707; Sept. 15; Gaz. vol. 206; p. 870.
- Dauch, Jacob J., Sandusky Ohio. Yearly periodical publication. No. 97,601; June 16; Gaz. vol. 203; p. 919.
- Daumas, Henri, New York, N. Y. Hair-nets. No. 97,325; June 2; Gaz. vol. 203; p. 297.
- Daumas, Henri, New York, N. Y. Hair-nets. No. 98,254; July 7; Gaz. vol. 204; p. 313.
- Daussa & Company, P., New York, N. Y. Macaroni and whole-wheat macaroni. No. 96,112; Apr. 7; Gaz. vol. 201; p. 262.
- Davey Tree Expert Company, Inc., The, Kent, Ohio. Publications relating to tree surgery. No. 99,200; Aug. 25; Gaz. vol. 205; p. 1315.
- David E. Kennedy, Inc., New York, N. Y. Elastic floor-tiles. No. 96,970; May 12; Gaz. vol. 202; p. 628.
- David E. Kennedy, Inc., New York, N. Y. Non-metallic flooring. No. 100,344; Oct. 20; Gaz. vol. 207; p. 922.
- David, Emil, New York, N. Y. Hair-nets. No. 98,642; July 28; Gaz. vol. 204; p. 1340.
- David Nicholson Grocer Company, St. Louis, Mo. Certain named wines. No. 98,806; Aug. 4; Gaz. vol. 205; p. 299.
- David Nicholson Grocer Company, St. Louis, Mo. Certain named distilled alcoholic liquors. No. 98,888; Aug. 4; Gaz. vol. 205; p. 301.
- David Nicholson Grocer Company, St. Louis, Mo. Whisky, gin, and rock and rye. No. 99,351; Aug. 25; Gaz. vol. 205; p. 1320.
- Davies, John J., Scranton, Pa. Medical preparation to prevent foot-sweating. No. 98,044; June 30; Gaz. vol. 203; p. 1552.
- Davies & Sullivan Company, New York, N. Y. Coffee, tea, and olive-oil. No. 98,255; July 7; Gaz. vol. 204; p. 313.
- Davini, Angelo D., Lucca, Italy. Olive-oil. No. 97,043; May 19; Gaz. vol. 202; p. 945.
- Davis, Andrew, Jamestown, N. Y. Remedy for pyorrhea, rheumatism, and indigestion. No. 100,961; Nov. 3; Gaz. vol. 208; p. 333.
- Davis & Co., New York, N. Y. Bathing-soda. No. 94,887; Jan. 13; Gaz. vol. 198; p. 490.
- Davis, Frank H., Columbus, Ohio. Mattresses. No. 95,996; Mar. 31; Gaz. vol. 200; p. 1385.
- Davis, Freeman G., Lewiston, Me. Canned baked beans and tomatoes. No. 99,567; Sept. 8; Gaz. vol. 206; p. 584.
- Davis & French, Portland, Oreg. Metal-polish. No. 100,520; Oct. 20; Gaz. vol. 207; p. 927.
- Davis, George W., Manerville, N. Y. Cranberries. No. 95,405; Feb. 17; Gaz. vol. 199; p. 933.
- Davis Milling Company, The, St. Joseph, Mo. Self-rising wheat-flour. No. 95,705; Mar. 3; Gaz. vol. 200; p. 276.
- Davis, Perry G., assignor to P. G. Davis Manufacturing Company, Chicago, Ill. Wood-polishes. No. 97,755; June 16; Gaz. vol. 203; p. 924.
- Davis, Uriel, New York, N. Y. Instructive literary compositions published serially. No. 97,602; June 16; Gaz. vol. 203; p. 919.
- Davis, Uriel, New York, N. Y. Instructive literary compositions published serially. No. 98,256; July 7; Gaz. vol. 204; p. 313.
- De Hibbs, Cassell, Fort Worth, Tex. Rubber tires. No. 97,954; June 30; Gaz. vol. 203; p. 1549.
- De Laval Dairy Supply Company, Jersey City, N. J., and San Francisco, Cal. Gas, gasolene, and kerosene engines. No. 96,651; Apr. 28; Gaz. vol. 201; p. 1214.

Alphabetical list of registrants of trade-marks—Continued.

- De Laval Dairy Supply Company, Jersey City, N. J., and San Francisco, Cal. Silos. No. 100,288; Oct. 20; Gaz. vol. 207; p. 920.
- De Laval Separator Company, The, Jersey City, N. J., and New York, N. Y. Fluid lubricating-oil. No. 97,219; May 26; Gaz. vol. 202; p. 1253.
- De Long, Catherine, Quarryville, Pa. Preparation for the treatment of corns. No. 96,502; Apr. 21; Gaz. vol. 201; p. 898.
- De Long Hook and Eye Company, Philadelphia, Pa. Snap-fasteners. No. 98,860; Aug. 4; Gaz. vol. 205; p. 301.
- De Martini, Paul, Brooklyn, N. Y. Macaroni, noodles, and spaghetti. No. 100,103; Oct. 6; Gaz. vol. 207; p. 294.
- De Moll & Co., Otto J., Washington, D. C. Self-playing pianos. No. 95,304; Feb. 10; Gaz. vol. 199; p. 611.
- De Patie, Adolphe F., Chicago, Ill. Hair-grower salve. No. 97,406; June 2; Gaz. vol. 203; p. 300.
- De Free Chemical Company, Holland, Mich. Shaving powder and lotion and soaps. No. 97,407; June 2; Gaz. vol. 203; p. 300.
- De Soto Paint Mfg. Co., Memphis, Tenn. Certain paints, enamels, stains, powders, slating, floor-wax, filler, and craft-cote. No. 95,069; Feb. 3; Gaz. vol. 199; p. 298.
- De Vasher Manufacturing and Supply Company, Kansas City, Mo. Laundry detergent liquids. No. 97,408; June 2; Gaz. vol. 203; p. 300.
- De Vilbiss Manufacturing Company, The, Toledo, Ohio. Atomizers and nebulizers. No. 95,527; Feb. 24; Gaz. vol. 199; p. 1239.
- De Vilbiss Manufacturing Company, Toledo, Ohio. Exhaust-fans. No. 96,653; Apr. 28; Gaz. vol. 201; p. 1214.
- De Vilbiss Manufacturing Company, Toledo, Ohio. Spraying instruments. No. 96,948; May 12; Gaz. vol. 202; p. 627.
- De Vilbiss Manufacturing Company, The, Toledo, Ohio. Rubber bulbs. No. 99,439; Sept. 1; Gaz. vol. 206; p. 307.
- De Vore, Primrose R., Columbus, Ohio. Artificial flavors and extracts for beverages. No. 98,257; July 7; Gaz. vol. 204; p. 313.
- Decker & Cohn, Alfred, Chicago, Ill. Overcoats. No. 99,085; Aug. 18; Gaz. vol. 205; p. 1015.
- Decker, Fred H., New York, N. Y., and Newark, N. J. Vacuum bottles and carafes, and receptacles for vacuum lunch outfits. No. 96,947; May 12; Gaz. vol. 202; p. 627.
- Dedek, Frank, Chicago, Ill. Foot-powder composition. No. 100,775; Oct. 27; Gaz. vol. 207; p. 1242.
- Degan, William J., Chicago, Ill. Preparation for the growth and preservation of the hair. No. 95,706; Mar. 3; Gaz. vol. 200; p. 276.
- Defender Photo Supply Co., Rochester, N. Y. Photographic dry-plates. No. 97,685; June 16; Gaz. vol. 203; p. 921.
- Deltrick, Thos. P., Richmond, Va. Certain named foods. No. 98,258; July 7; Gaz. vol. 204; p. 313.
- Delaney, Timothy, New York, N. Y. Remedies for diseases of dogs. No. 96,501; Apr. 21; Gaz. vol. 201; p. 898.
- Delgado Mills, Wilmington, N. C. Gingham. No. 101,370; Dec. 8; Gaz. vol. 209; p. 679.
- Delta Electric Company, Marion, Ind. Electric hand-lamps, telephones, and telephone apparatus. No. 101,457; Dec. 15; Gaz. vol. 209; p. 1059.
- Demartini, Bochie J., San Mateo, Cal. Remedy for poison-oak poisoning. No. 95,247; Feb. 3; Gaz. vol. 199; p. 303.
- Deming Company, Salem, Ohio. Pumps. No. 99,003; Aug. 11; Gaz. vol. 205; p. 657.
- Deming Company, The, Salem, Ohio. Spraying apparatus for trees, plants, and bushes. No. 100,780; Oct. 27; Gaz. vol. 207; p. 1242.
- Denges, Henry J., Baltimore, Md. Medical ointments. No. 100,289; Oct. 20; Gaz. vol. 207; p. 920.
- Denison & Company, Chicago, Ill. Coffee. No. 97,955; June 30; Gaz. vol. 203; p. 1549.
- Denison & Company, Chicago, Ill. Coffee. No. 98,370; July 14; Gaz. vol. 204; p. 669.
- Denison & Company, Chicago, Ill. Coffee and tea. No. 98,371; July 14; Gaz. vol. 204; p. 669.
- Denney Tag Company, The, West Chester, Pa. Shipping and merchandise tags, baggage-checks, &c. No. 101,567; Dec. 29; Gaz. vol. 209; p. 1687.
- Dennison Manufacturing Company, Boston, Mass. Tags. No. 94,805; Jan. 6; Gaz. vol. 198; p. 235.
- Dennison Manufacturing Company, Boston, Mass. Certain named articles of stationery. No. 95,305; Feb. 10; Gaz. vol. 199; p. 611.
- Dennison Manufacturing Company, Boston, Mass. Mucilage, glue, sealing-wax, and paste. No. 95,751; Mar. 10; Gaz. vol. 200; p. 577.
- Dennison Manufacturing Company, Boston, Mass. Mucilage, glue, &c. No. 100,521; Oct. 20; Gaz. vol. 207; p. 927.
- Dennison Pharmacal Company, Chicago, Ill. Foot remedy for certain foot ailments. No. 99,857; Sept. 22; Gaz. vol. 206; p. 1157.
- Dentists' Supply Company, New York, N. Y. Artificial teeth. No. 95,526; Feb. 24; Gaz. vol. 199; p. 1230.
- Dentists' Supply Company, The, New York, N. Y. Artificial teeth. No. 98,259; July 7; Gaz. vol. 204; p. 313.
- Dentists' Supply Company, The, New York, N. Y. Artificial teeth. No. 100,290; Oct. 20; Gaz. vol. 207; p. 920.
- Derby Corset Company, Derby, Conn. Corsets. No. 99,086; Aug. 18; Gaz. vol. 205; p. 1015.
- Deringer, George H., Minneapolis, Minn. Boilers. No. 98,487; July 21; Gaz. vol. 204; p. 1006.
- Dermatine Manufacturing Company, a Partnership, Zanesville, Ohio. Face-powder and a liquid medicinal preparation. No. 95,997; Mar. 31; Gaz. vol. 200; p. 1385.
- Dermin Mfg. Co., Newark and Perth Amboy, N. J. Eczema and skin eruptions. No. 98,753; Aug. 4; Gaz. vol. 205; p. 297.
- Des Moines Bakery Company, Des Moines, Iowa. Bread. No. 96,113; Apr. 7; Gaz. vol. 201; p. 262.
- Deschere, Harvey, New York, N. Y. Electric illuminating-signs. No. 95,406; Feb. 17; Gaz. vol. 199; p. 933.
- Desjardins, F. Horace, Marquette, Mich. External application for relief of goiter. No. 99,144; Aug. 18; Gaz. vol. 205; p. 1017.
- Detroit Oak Belting Co., Detroit, Mich. Leather belting. No. 101,139; Nov. 17; Gaz. vol. 208; p. 979.
- Detroit Sanitary Supply Company, Detroit, Mich. Sewer-gas traps. No. 99,441; Sept. 1; Gaz. vol. 206; p. 307.
- Detroit Steel Products Co., Detroit, Mich. Metallic sash. No. 99,288; Aug. 25; Gaz. vol. 205; p. 1318.
- Detroit Steel Products Co., Detroit, Mich. Metal window-sash, doors, partitions, and door and window frames. No. 100,291; Oct. 20; Gaz. vol. 207; p. 920.
- Detroit Wire Spring Co., Detroit, Mich. Seat and bed springs. No. 96,654; Apr. 28; Gaz. vol. 201; p. 1214.
- Detwiler, Albert J., Chester, Pa. Salve. No. 95,407; Feb. 17; Gaz. vol. 199; p. 933.
- Detwiler & Street Fireworks Manufacturing Company, New York, N. Y. Fireworks. No. 97,603; June 16; Gaz. vol. 203; p. 919.
- Detwiler & Street Fireworks Manufacturing Company, New York, N. Y. Fireworks. No. 98,045; June 30; Gaz. vol. 203; p. 1552.
- Deutsch, Rudolph, New York, N. Y. Cocoa matting. No. 99,442; Sept. 1; Gaz. vol. 206; p. 308.
- Deutsche Gasgluehlicht Aktiengesellschaft (Auergesellschaft), Berlin, Germany. Gas and liquid-fuel lamps and mantles therefor. No. 96,794; May 5; Gaz. vol. 202; p. 309.
- Deutsche Holzblas-Instrumenten-Fabrik Oscar Adler & Co., Markneukirchen, Germany. Reeds for clarinets. No. 96,576; Apr. 21; Gaz. vol. 201; p. 900.
- Deutsche Maschinenfabrik Aktien Gesellschaft, Duisburg, Germany, and New York, N. Y. Certain named bridges. No. 99,145; Aug. 18; Gaz. vol. 205; p. 1017.
- Deutsche Maschinenfabrik Aktien Gesellschaft, Duisburg, Germany. Lifting-magnets, electric furnaces, and controlling apparatus, &c. No. 99,289; Aug. 25; Gaz. vol. 205; p. 1318.
- Deutsche Orbat-Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany, assignor to C. Gossweiler, Olten, Switzerland. Liquids for cleaning glass, &c. No. 96,256; Apr. 14; Gaz. vol. 201; p. 564.
- Dewender, William H., Brooklyn, N. Y. Liquid dentifrice. No. 98,754; Aug. 4; Gaz. vol. 205; p. 297.
- Dewitt & Herz, Berlin, Germany. Certain named medical and surgical instruments and appliances. Nos. 98,488-9; July 21; Gaz. vol. 204; p. 1006.
- Dexter, Philip, *et al.*, trustees. (See Amoskeag Manufacturing Company, assignor.)
- Dexter Yarn Co., Pawtucket, R. I. Yarns and threads. No. 95,408; Feb. 17; Gaz. vol. 199; p. 933.
- Dexter Yarn Company, Pawtucket, R. I. Yarns and threads. No. 95,070; Feb. 3; Gaz. vol. 199; p. 298.
- Dexter Yarn Company, Pawtucket, R. I. Yarns and threads. No. 97,044; May 19; Gaz. vol. 202; p. 945.
- Dexter Yarn Company, Pawtucket, R. I. Yarns and threads. No. 97,220; May 26; Gaz. vol. 202; p. 1253.
- Diamond Anti Friction Metal Company, Chicago, Ill. Antifriction metals and journal-boxes. No. 99,443; Sept. 1; Gaz. vol. 206; p. 308.
- Diamond Chemical Co., Brooklyn, N. Y. Tonic remedy. No. 101,037; Nov. 10; Gaz. vol. 208; p. 651.
- Diamond Expansion Bolt Co., New York, N. Y. Expansion-shields and bolts, screws, screw-anchors, &c. No. 95,999; Mar. 31; Gaz. vol. 200; p. 1386.
- Diamond Expansion Bolt Co., New York, N. Y. Cable-clamps. No. 96,114; Apr. 7; Gaz. vol. 201; p. 262.
- Diamond Match Co., The, Chicago, Ill. Matches. No. 95,307; Feb. 10; Gaz. vol. 199; p. 611.
- Diamond M'fg Co. of Del., Wilmington, Del. Athletic union suits of textile fabric. No. 98,372; July 14; Gaz. vol. 204; p. 669.
- Diamond Star Insecticide Co., Philadelphia, Pa. Insecticides. No. 100,522; Oct. 20; Gaz. vol. 207; p. 927.
- Diastatic Malt Extract Co., Chicago, Ill. Malt extract. No. 100,523; Oct. 20; Gaz. vol. 207; p. 927.
- Dickey, Walter S., Kansas City, Mo. Tile and tile pipe. No. 98,373; July 14; Gaz. vol. 204; p. 669.
- Dickinson, E. E., Essex, Conn. Witch-hazel. No. 97,530; June 9; Gaz. vol. 203; p. 597.
- Dickinson, Frederick S., New York, N. Y. Remedy for certain named diseases. No. 99,146; Aug. 18; Gaz. vol. 205; p. 1017.

Alphabetical list of registrants of trade-marks—Continued.

- Dickinson, Maude, Brighton, England. Disinfectants, insecticides, and certain named pharmaceutical preparations. No. 95,308; Feb. 10; Gaz. vol. 199; p. 611.
- Dickinson, Maude, Brighton, England. Certain kinds of metal boxes. No. 96,115; Apr. 7; Gaz. vol. 201; p. 262.
- Dickson Pharmacal Co., St. Louis, Mo. Antiseptic liquid compound. No. 97,686; June 16; Gaz. vol. 203; p. 922.
- Didisheim, Goldschmidt Fils et Cie., Fabrique Juvenia, La Chaux-de-Fonds, Switzerland. Watches, clocks, watchcases, &c. No. 100,524; Oct. 20; Gaz. vol. 207; p. 927.
- Die Altstädtische Optische Industrie-Anstalt Nitsche & Günther, Rathenow, Germany. Certain named measuring and scientific appliances. Nos. 100,962-3; Nov. 3; Gaz. vol. 208; p. 333.
- Dieck, Hermann, Magdeburg, Germany. Food for cattle. No. 95,409; Feb. 17; Gaz. vol. 199; p. 933.
- Dieck, Hermann, Magdeburg, Germany. Rice-flour as food for cattle. No. 95,410; Feb. 17; Gaz. vol. 199; p. 934.
- Dieckerhoff, Raffloer & Company, New York, N. Y. Hair-nets. No. 98,046; June 30; Gaz. vol. 203; p. 1552.
- Diehl, Edward, Nashville, Tenn. Non-intoxicating carbonated tonic beverages. Nos. 98,936-7; Aug. 11; Gaz. vol. 205; p. 655.
- Diehl, Edward, Nashville, Tenn. Non-intoxicating carbonated tonic beverages. No. 99,858; Sept. 22; Gaz. vol. 206; p. 1157.
- Diehm-Fansler Grocer Co., East St. Louis, Ill. Canned fruits, vegetables, and salmon and tomato catsup. No. 99,040; Aug. 11; Gaz. vol. 205; p. 658.
- Dierckx, Christian J., New York, N. Y. Bread composed of pure honey and rye-flour. No. 100,776; Oct. 27; Gaz. vol. 207; p. 1242.
- Dietetic Food Company, Baltimore, Md. Bread and bread-sticks. No. 98,261; July 7; Gaz. vol. 204; p. 313.
- Dietetic Food Company, Baltimore, Md. Bran biscuits and crackers. No. 98,262; July 7; Gaz. vol. 204; p. 313.
- Dieto Food Co., New York, N. Y. Certain named scientifically-prepared foods. No. 97,956; June 30; Gaz. vol. 203; p. 1549.
- Differential Clock Company, Chicago, Ill. Clocks and time-movements. No. 95,411; Feb. 17; Gaz. vol. 199; p. 934.
- Dillenback, Carl S., Cobleskill, N. Y. Hops. Nos. 97,756-8; June 16; Gaz. vol. 203; p. 924.
- Dilling & Company, Indianapolis, Ind. Chocolate candy. No. 96,400; Apr. 21; Gaz. vol. 201; p. 895.
- Dio-Pine Co., The, Fort Wayne, Ind. Preparation for the treatment of coughs. No. 96,401; Apr. 21; Gaz. vol. 201; p. 895.
- Distillers Coy. Ltd., The, Edinburgh, Scotland. Scotch whiskies. No. 95,892; Mar. 24; Gaz. vol. 200; p. 1110.
- Dittus, William C., Lancaster, Pa. Whisky, brandy, and gin. No. 99,290; Aug. 25; Gaz. vol. 205; p. 1318.
- Dixie Cotton Felt Mattress Company, Chicago, Ill. Mattresses. No. 100,293; Oct. 20; Gaz. vol. 207; p. 921.
- Doble & Sons, Frederick, London and Dewsbury, England. Flannel piece goods. No. 99,444; Sept. 1; Gaz. vol. 206; p. 308.
- Dockrell, Thomas E., New York, N. Y. Pharmaceutical preparation used in certain named ailments. No. 101,371; Dec. 8; Gaz. vol. 209; p. 679.
- Dodge Clothespin Company, Richwood and Nicholas, W. Va. Clothes-pins. No. 95,412; Feb. 17; Gaz. vol. 199; p. 934.
- Dodson, Melancthon A., Norfolk, Va. Remedies for certain named diseases. No. 96,258; Apr. 14; Gaz. vol. 201; p. 564.
- Dodson, Melancthon A., Norfolk, Va. Antiseptic for certain named ailments. No. 96,503; Apr. 21; Gaz. vol. 201; p. 898.
- Doernberg & Stein, New York, N. Y. Combination-suits. No. 101,479; Dec. 15; Gaz. vol. 209; p. 1050.
- Doerr, Fredric P., Ridgewood, N. J. Wood-finish. No. 98,861; Aug. 4; Gaz. vol. 205; p. 301.
- Dolan Mercantile Company, The, Atchison, Kans. Certain named foods. No. 95,893; Mar. 24; Gaz. vol. 200; p. 1110.
- Dolan Mercantile Company, The, Atchison, Kans. Certain named foods. No. 96,795; May 5; Gaz. vol. 202; p. 309.
- Doll, Fred W., assignor of one-half to A. H. Balliet, Allentown, Pa. Puzzles. No. 100,294; Oct. 20; Gaz. vol. 207; p. 921.
- Dollfus-Mieg & Cie. Société Anonyme, Millhouse, Germany. Braids and passementerie. Nos. 100,525-6; Oct. 20; Gaz. vol. 207; p. 927.
- Domestic Utilities Manufacturing Co., Los Angeles, Cal. Ovens. No. 96,000; Mar. 31; Gaz. vol. 200; p. 1386.
- Donah & Co., George H., Lake Placid, N. Y. Washing-paste. No. 97,409; June 2; Gaz. vol. 203; p. 300.
- Donegal Motor Rug Co., New York, N. Y. Rugs. No. 100,295; Oct. 20; Gaz. vol. 207; p. 921.
- Donnohue, Joseph D., Sedalia, Mo. Insecticide. No. 95,309; Feb. 10; Gaz. vol. 199; p. 612.
- Donoghue, James, Cleveland, Ohio. Wooden soldering-iron handles. No. 99,291; Aug. 25; Gaz. vol. 205; p. 1318.
- Dorr Cigar Factory, Augusta, Ga. Cigars, cheroots, cigarettes, and tobaccos. No. 99,710; Sept. 15; Gaz. vol. 206; p. 870.
- Dorrance, James F., Flushing, N. Y. Toilet rouge. No. 99,385; Aug. 25; Gaz. vol. 205; p. 1321.
- Dort, Frank G., Boston, Mass. Preparation for the treatment of rheumatism. No. 94,888; Jan. 13; Gaz. vol. 198; p. 490.
- Doster-Northington Drug Co., Birmingham, Ala. Toilet powder, complexion-cream, perfumes, and tooth-paste. No. 95,413; Feb. 17; Gaz. vol. 199; p. 934.
- Doud Milling Company, Manning and Denison, Iowa. Wheat-flour. No. 100,698; Oct. 20; Gaz. vol. 207; p. 933.
- Douglass, John W., Philadelphia, Pa., assignor to Protective "Freflo" Stopples Company, Dover, Del. Porcelain, &c., stopples for bottles. No. 98,644; July 28; Gaz. vol. 204; p. 1340.
- Douglass, John W., Philadelphia, Pa., assignor to Protective "Freflo" Stopples Company, Dover, Del. Metal stopples for bottles. No. 98,645; July 28; Gaz. vol. 204; p. 1340.
- Douthitt, Jas. W., Bedford, Ind. Remedy for certain diseases and ailments. No. 95,248; Feb. 3; Gaz. vol. 199; p. 303.
- Dover Fire Brick Company, Cleveland, Ohio. Bricks. No. 99,292; Aug. 25; Gaz. vol. 205; p. 1318.
- Dover Fire Brick Company, Cleveland, Ohio. Bricks. No. 99,445; Sept. 1; Gaz. vol. 206; p. 308.
- Dowd & Co., J. C., New York, N. Y. Toilet-combs, pin-cushions, and button-hooks. No. 99,041; Aug. 11; Gaz. vol. 205; p. 658.
- Downing Taylor Co., Springfield, Mass. Mince-meat, tomato catchup, corn-starch, and table-syrup. No. 98,335; July 7; Gaz. vol. 204; p. 315.
- Doyle-Kidd Dry Goods Co., Little Rock, Ark. Shirts. No. 99,004; Aug. 11; Gaz. vol. 205; p. 657.
- Dozier & Gay Paint Company, Jacksonville, Fla. Liquid wall-paint. No. 98,490; July 21; Gaz. vol. 204; p. 1006.
- Dr. A. Wander, A. G., Berne, Switzerland. Food drink. No. 100,925; Oct. 27; Gaz. vol. 207; p. 1246.
- Dr. B. J. Kendall Company, Enosburg Falls, Vt. Liniment. No. 95,254; Feb. 3; Gaz. vol. 199; p. 303.
- Dr. Burke's Catarrh Remedy Co., Kansas City, Mo. Catarrh remedy. No. 95,702; Mar. 3; Gaz. vol. 200; p. 276.
- Dr. Denton Sleeping Garment Mills, Centerville, Mich., and Toledo, Ohio. Children's sleeping-garments. No. 101,138; Nov. 17; Gaz. vol. 208; p. 979.
- Dr. J. A. Walsh Co., Boston, Mass. Tooth powder and paste. No. 96,760; Apr. 28; Gaz. vol. 201; p. 1217.
- Dr. Neumann & Co., Chemische fabrik G. m. b. H., Charlottenburg, Germany. Medicinal nerve-sedative preparations. No. 95,007; Jan. 20; Gaz. vol. 198; p. 700.
- Dr. Peter Fahrney & Sons Co., Chicago, Ill. Certain proprietary medicine. No. 96,405; Apr. 21; Gaz. vol. 201; p. 895.
- Dr. Peter Fahrney & Sons Co., Chicago, Ill. Preparation for the relief of stomach trouble. No. 97,689; June 16; Gaz. vol. 203; p. 922.
- Dr. Peter Fahrney & Sons Co., Chicago, Ill. Liniment. No. 98,051; June 30; Gaz. vol. 203; p. 1552.
- Dr. Pyle Veterinary Remedy Co., New Philadelphia, Ohio. Colic, azoturia, distemper, and gall cure, &c. No. 98,197; July 7; Gaz. vol. 204; p. 311.
- Dr. R. D. Eaton Chemical Co., Minneapolis, Minn. Liniment and remedies for colic, distemper, &c., in animals. No. 96,871; May 5; Gaz. vol. 202; p. 312.
- Dr. Theinhardt's Nährmittel-Gesellschaft m. b. H., Stuttgart-Cannstatt, Germany. Prepared food for infants. No. 99,918; Sept. 22; Gaz. vol. 206; p. 1159.
- Draper, Albert K., Chicago, Ill. Waterproofing compound for cotton and woolen fabrics or leather. No. 101,038; Nov. 10; Gaz. vol. 208; p. 651.
- Draper Company, Portland, Me., and Hopedale, Mass. Serial publication. No. 97,957; June 30; Gaz. vol. 203; p. 1549.
- Drayer, John A., Clinton, Iowa. Bread. No. 95,609; Mar. 3; Gaz. vol. 200; p. 273.
- Dreadnought Tire & Rubber Co., Baltimore, Md. Rubber vehicle-tires and inner tubes therefor. No. 98,646; July 28; Gaz. vol. 204; p. 1340.
- Dreadnought Tire & Rubber Co., Baltimore, Md. Rubber vehicle-tires and inner tubes. No. 100,104; Oct. 6; Gaz. vol. 207; p. 294.
- Driggs-Seabury Ordnance Corporation, Sharon, Pa. Motor-trucks. No. 94,889; Jan. 13; Gaz. vol. 198; p. 490.
- Driscoll Bro's & Co., Ithaca, N. Y. Prepared sheet-roofing. No. 98,374; July 14; Gaz. vol. 204; p. 669.
- Driver-Harris Wire Co., Harrison, N. J. Metallic strips for use in thermostats, &c. No. 99,005; Aug. 11; Gaz. vol. 205; p. 657.
- Driver, Theodore P., Melrose and Boston, Mass. Electric lights. No. 101,372; Dec. 8; Gaz. vol. 209; p. 679.
- Droesch, Severin R., Cranford, N. J., and New York, N. Y. Shears, scissors, razors, and pocket-knives. No. 96,001; Mar. 31; Gaz. vol. 200; p. 1386.
- Druggists' Co-operative Association, Inc., Jersey City, N. J., and Detroit, Mich. Remedies for certain ailments and diseases, and certain pharmaceutical preparations. No. 95,528; Feb. 24; Gaz. vol. 199; p. 1239.

Alphabetical list of registrants of trade-marks—Continued.

- Druggists' Co-operative Association (Incorporated), Jersey City, N. J., and Detroit, Mich. Candy. No. 94,890; Jan. 13; Gaz. vol. 198; p. 490.
- Dry Milk Company, The, New York, N. Y. Desiccated milk. No. 99,042; Aug. 11; Gaz. vol. 205; p. 659.
- Du Belle Grape Juice Co., Irondequoit, N. Y. Grape-juice. No. 100,489; Oct. 20; Gaz. vol. 207; p. 926.
- Dubuque Biscuit Company, Dubuque, Iowa. Crackers, biscuits, cookies, and cakes. No. 100,781; Oct. 27; Gaz. vol. 207; p. 1242.
- Dudley & Company, U. H., New York, N. Y. Dates. No. 97,958; June 30; Gaz. vol. 203; p. 1549.
- Duebendorf, Mattie M., St. Paul, Minn. Salve. No. 98,135; July 7; Gaz. vol. 204; p. 309.
- Dueber Watch Case Mfg. Co., The, Canton, Ohio. Ten-carat-gold watchcases. No. 98,263; July 7; Gaz. vol. 204; p. 313.
- Dueber Watch Case Mfg. Co., The, Canton, Ohio. Eighteen-carat-gold watchcases. No. 98,264; July 7; Gaz. vol. 204; p. 313.
- Duerr-Schaefer Pharmacal Co., Benton Harbor, Mich. Medicinal saline compound. No. 95,529; Feb. 24; Gaz. vol. 199; p. 1239.
- Dugan, Herbert F., San Francisco, Cal. Chemical compound for the destruction of rodents, &c. No. 99,860; Sept. 22; Gaz. vol. 206; p. 1157.
- Duggan, Elizabeth C., Buffalo, N. Y. Candies. No. 97,959; June 30; Gaz. vol. 203; p. 1549.
- Dujardin, Henri, New York, N. Y. Fresh fruits and vegetables. No. 101,480; Dec. 15; Gaz. vol. 209; p. 1050.
- Dullene Mfg. Company, Philadelphia, Pa. Dressing for all dull leather. No. 99,711; Sept. 15; Gaz. vol. 206; p. 870.
- Dumaine, Frederic C., *et al.*, trustees. (See Amoskeag Manufacturing Company, assignor.)
- Dunbars, Lopez & Dukate Co., New Orleans, La. Canned shrimp. No. 100,105; Oct. 6; Gaz. vol. 207; p. 294.
- Dunbars, Lopez & Dukate Co., New Orleans, La. Canned shrimp. No. 100,296; Oct. 20; Gaz. vol. 207; p. 921.
- Duncan, Gilmour & Co. Limited, Sheffield, England. Alcoholic beverage known as milk-stout. No. 101,271; Nov. 24; Gaz. vol. 208; p. 1351.
- Dundas Engineering Company, Vernon, Cal. Hydrocarbon oils. No. 96,504; Apr. 21; Gaz. vol. 201; p. 898.
- Dunham, James W., New York, N. Y. Electric lamps and stands. No. 100,777; Oct. 27; Gaz. vol. 207; p. 1242.
- Dunkirk Macaroni Co., Dunkirk, N. Y. Macaroni. No. 98,491; July 21; Gaz. vol. 204; p. 1006.
- Dunlap & Co., Detroit, Mich. Bactericide, germicide, antiseptic, &c. No. 96,950; May 12; Gaz. vol. 202; p. 627.
- Dunlop Milling Co., The, Clarksville, Tenn. Wheat-flour. No. 99,202; Aug. 25; Gaz. vol. 205; p. 1315.
- Dunlop Milling Co., Clarksville, Tenn. Self-rising flour. No. 99,712; Sept. 15; Gaz. vol. 206; p. 870.
- Dunlop Milling Co., The, Clarksville, Tenn. Self-rising wheat-flour. No. 100,297; Oct. 20; Gaz. vol. 207; p. 921.
- Dunlop Milling Co., The, Clarksville, Tenn. Wheat-flour. No. 100,782; Oct. 27; Gaz. vol. 207; p. 1242.
- Dunlop Milling Company, The, Clarksville, Tenn. Self-rising wheat-flour. No. 94,891; Jan. 13; Gaz. vol. 198; p. 490.
- Dunlop, William F., New York, N. Y. Remedy for pyorrhea and pus diseases. No. 96,949; May 12; Gaz. vol. 202; p. 627.
- Dupeyron, Auguste, Paris, France. Hinges. No. 97,759; June 16; Gaz. vol. 203; p. 924.
- Duplan Silk Co., New York, N. Y. Silk piece goods. No. 95,204; Feb. 3; Gaz. vol. 199; p. 299.
- Duplan Silk Company, New York, N. Y. Broad-silk piece goods. No. 97,687; June 16; Gaz. vol. 203; p. 922.
- Duplexo Vacuum Cleaner Co., New York, N. Y. Hand vacuum-cleaners. Nos. 101,272-4; Nov. 24; Gaz. vol. 208; p. 1351.
- Durbin-Mellon Hosiery Company, Williamstown, Pa. Men's half-hose and other hosiery. No. 98,647; July 28; Gaz. vol. 204; p. 1340.
- Durham Duplex Razor Company, Jersey City, N. J. Soap. No. 98,756; Aug. 4; Gaz. vol. 205; p. 298.
- Durham Hosiery Mills, Durham, N. C. Hosiery. No. 98,938; Aug. 11; Gaz. vol. 205; p. 655.
- Duriron Castings Company, New York, N. Y. Certain named machines, stills, pumps, and the like and parts thereof. No. 96,259; Apr. 14; Gaz. vol. 201; p. 564.
- Durr, La Fayette G., Nashville, Tenn. Liver remedy. No. 98,666; July 28; Gaz. vol. 204; p. 1340.
- Duryea, William F., New York, N. Y. Fountain-pens. No. 100,298; Oct. 20; Gaz. vol. 207; p. 921.
- Duryee & Barwise, New York, N. Y. Coffee. No. 97,960; June 30; Gaz. vol. 203; p. 1549.
- Dwiggins Wire Fence Company, Anderson, Ind. Metal fencing-gates and fence-posts. No. 99,959; Sept. 29; Gaz. vol. 206; p. 1432.
- Dwiggins Wire Fence Company, Anderson, Ind. Metal fencing, gates, and fence-posts. No. 100,106; Oct. 6; Gaz. vol. 207; p. 294.
- Dwinell-Wright Co., Boston, Mass. Tea. No. 99,960; Sept. 29; Gaz. vol. 206; p. 1432.
- Dwinell-Wright Company, Boston, Mass. Coffee substitute. No. 95,707; Mar. 3; Gaz. vol. 200; p. 276.
- Dyer Packing Co., Vincennes, Ind. Canned hominy and beans. No. 96,951; May 12; Gaz. vol. 202; p. 627.
- E. Ingraham Co., The, Bristol, Conn. Watches. No. 95,107; Feb. 3; Gaz. vol. 199; p. 299.
- E. Kirstein Sons Company, Rochester, N. Y. Eyeglass-mountings. No. 96,305; Apr. 14; Gaz. vol. 201; p. 565.
- E. Lawrence & Co., Chicago, Ill. Remedy for corns, callosities, warts, &c. No. 101,071; Nov. 10; Gaz. vol. 208; p. 652.
- E. Metzenaur Baking Powder Co., St. Louis, Mo. Baking-powder. No. 95,333; Feb. 10; Gaz. vol. 199; p. 612.
- E. Myers Lye Co., St. Louis, Mo. Powdered lye. No. 98,309; July 7; Gaz. vol. 204; p. 315.
- E. A. Fargo Company, Taunton, Mass. Aluminum ware. No. 97,130; May 19; Gaz. vol. 202; p. 948.
- E. A. Tygert Co., Inc., Camden, N. J., and Philadelphia, Pa. Lubricating-oils. No. 100,916; Oct. 27; Gaz. vol. 207; p. 1246.
- E. C. Atkins & Company, Indianapolis, Ind. Saws. No. 99,680; Sept. 15; Gaz. vol. 206; p. 869.
- E. H. Robinson Co., Salt Lake City, Utah. Bed-blankets and towels. No. 95,230; Feb. 3; Gaz. vol. 199; p. 302.
- E. H. Robinson Co., Salt Lake City, Utah. Suspenders, neckties, and belts. No. 95,478; Feb. 17; Gaz. vol. 199; p. 936.
- E. H. & A. C. Friedrichs Co., New York, N. Y. Artists' oils and varnishes. No. 99,968; Sept. 29; Gaz. vol. 206; p. 1432.
- E. I. Horsman Co., New York, N. Y. Dolls. No. 97,144; May 19; Gaz. vol. 202; p. 948.
- E. L. Koller, Inc., Newark, N. J. Canvas coal-bags. No. 96,142; Apr. 7; Gaz. vol. 201; p. 262.
- E. S. Holt Company—Manufacturing Pharmacists, Incorporated, Cedar Rapids, Iowa. Compound of enzymes or ferments for the conversion of food-assimilable products. No. 100,551; Oct. 20; Gaz. vol. 207; p. 928.
- E. T. Smith Company, Worcester, Mass. Tea, coffee, and cocoa. No. 100,038; Sept. 29; Gaz. vol. 206; p. 1434.
- E. W. Burt & Company, Incorporated, Boston, Mass. Leather boots and shoes. No. 100,263; Oct. 20; Gaz. vol. 207; p. 920.
- E. W. Conklin & Son, Inc., Binghamton, N. Y. Grass, field, and agricultural seeds. No. 101,136; Nov. 17; Gaz. vol. 208; p. 979.
- E. W. Conklin & Son, Inc., Binghamton, N. Y. Grass, field, and agricultural seeds. No. 101,367; Dec. 8; Gaz. vol. 209; p. 679.
- E. W. Scarborough Co., New York, N. Y. Writing and printing paper. Nos. 100,430-1; Oct. 20; Gaz. vol. 207; p. 925.
- E. & Z. Van Raalte, New York, N. Y. Veilings and nettings. No. 99,519; Sept. 1; Gaz. vol. 206; p. 310.
- Eagle Claw Wrench Co., Chicago, Ill. Wrenches. No. 95,078; Feb. 3; Gaz. vol. 199; p. 298.
- Eagle Kant-Slip Patch Co., The, Cleveland, Ohio. Bubber adhesive patches for rubber, leather, &c. No. 101,140; Nov. 17; Gaz. vol. 208; p. 979.
- Eagle Knitting Mills, Milwaukee, Wis. Caps. No. 96,655; Apr. 28; Gaz. vol. 201; p. 1214.
- Eagle Oil & Supply Co., Boston, Mass. Automobile cylinder-oil. No. 100,964; Nov. 3; Gaz. vol. 208; p. 333.
- Eagle Pencil Company, New York, N. Y. Lead-pencils and pencil-holders. No. 94,806; Jan. 6; Gaz. vol. 198; p. 235.
- Eagle Pencil Company, New York, N. Y. Writing and drawing pencils. No. 98,939; Aug. 11; Gaz. vol. 205; p. 655.
- Eagle Pencil Company, New York, N. Y. Fountain-pens. No. 98,940; Aug. 11; Gaz. vol. 205; p. 655.
- Eagle Pencil Company, New York, N. Y. Writing and drawing pencils. Nos. 98,941-2; Aug. 11; Gaz. vol. 205; p. 655.
- Eagle Pencil Company, New York, N. Y. Lead-pencils. No. 99,446; Sept. 1; Gaz. vol. 206; p. 308.
- Eagle Suspender and Belt Company, Philadelphia, Pa. Garment waist-belts. No. 101,039; Nov. 10; Gaz. vol. 208; p. 651.
- Eames, Ryland W., Vale, Oreg. Canned syrups. No. 98,492; July 21; Gaz. vol. 204; p. 1006.
- Earl, Frederick G., New York, N. Y. Aperient tablets. No. 97,410; June 2; Gaz. vol. 203; p. 300.
- Earl & Wilson, Troy, N. Y. Shirts and collars. No. 95,205; Feb. 3; Gaz. vol. 199; p. 302.
- Earle & Lyon, Salt Lake City, Utah. Certain named surgical appliances and treatment-cabinets. No. 99,447; Sept. 1; Gaz. vol. 206; p. 308.
- Earp-Thomas, O. C. (See Succinolac Company, assignor.)
- Eastern Thread Co., New York, N. Y. Sewing-thread. No. 98,862; Aug. 4; Gaz. vol. 205; p. 301.
- Eastman Kodak Co., Rochester, N. Y. Photographic dry-plates, safe lights, color-screens, &c. No. 98,493; July 21; Gaz. vol. 204; p. 1006.
- Eastman Kodak Co., Rochester, N. Y. Picture-projection apparatus. No. 100,200; Oct. 13; Gaz. vol. 207; p. 605.
- Eastman Kodak Co., Rochester, N. Y. Photographic film. No. 101,373; Dec. 8; Gaz. vol. 209; p. 679.
- Eastman Kodak Company, Rochester, N. Y. Photographic plates. No. 95,079; Feb. 3; Gaz. vol. 199; p. 298.

Alphabetical list of registrants of trade-marks—Continued.

- Eastman Kodak Company, Rochester, N. Y. Photographic-shutter scales. No. 98,136; July 7; Gaz. vol. 204; p. 309.
- Eastman Kodak Company, Rochester, N. Y. Photographic developer. No. 99,861; Sept. 22; Gaz. vol. 206; p. 1157.
- Easton & Burnham Mach. Co., Pawtucket, R. I. Spindles, skein-winders, bobbin-spoolers, and reels. No. 101,374; Dec. 8; Gaz. vol. 209; p. 679.
- Eaton, Joseph M., Los Angeles, Cal. Perfumes. No. 101,275; Nov. 24; Gaz. vol. 208; p. 1351.
- Ebensburg Coal Company, Cambria and Philadelphia, Pa. Coal. No. 101,141; Nov. 17; Gaz. vol. 208; p. 979.
- Eberhart Pharmacal Co., Dickson, Tenn. Remedies for certain named diseases, and a liniment. No. 95,708; Mar. 3; Gaz. vol. 200; p. 276.
- Ebling Brewing Company, The, New York, N. Y. Extract of malt and hops. No. 100,527; Oct. 20; Gaz. vol. 207; p. 927.
- Eccard & Co., C. F., Kreuznach, Germany, and New York, N. Y. Wines. No. 94,989; Jan. 20; Gaz. vol. 198; p. 699.
- Eckert, George E., Chicago, Ill. Polish for eyeglasses. No. 99,862; Sept. 22; Gaz. vol. 206; p. 1157.
- Eckhard, Joseph J., Alton, Ill. Liquid dressing and polish for boots and shoes and leather articles. No. 98,757; Aug. 4; Gaz. vol. 205; p. 298.
- Eckl, Simon P., Mansfield, Ohio. Friction-matches. No. 96,796; May 5; Gaz. vol. 202; p. 309.
- Eclipse Machine Company, Elmira, N. Y. Clutches and drill-chucks. No. 100,783; Oct. 27; Gaz. vol. 207; p. 1242.
- Eclipse Machine Company, Elmira, N. Y. Coaster-brakes. No. 101,375; Dec. 8; Gaz. vol. 209; p. 679.
- Economy Fuse & Manufacturing Company, Chicago, Ill. Safety-fuses for electrical circuits. No. 101,568; Dec. 29; Gaz. vol. 209; p. 1687.
- Eddy, Seth W., Lincoln, Nebr. Chewing-gum. No. 98,047; June 30; Gaz. vol. 203; p. 1552.
- Edes Robe Tanning Company, Dubuque, Iowa; Omaha, Nebr.; St. Paul, Minn., and Sioux Falls, S. D. Hides and skins. No. 97,828; June 23; Gaz. vol. 203; p. 1255.
- Edgemont Chemical Mfg. Co., Edgemont, S. D. Medicine for whooping-cough. No. 100,784; Oct. 27; Gaz. vol. 207; p. 1242.
- Edible Seed Oils Company, Inc., New York, N. Y. Cotton-seed oil. Nos. 95,206-7; Feb. 3; Gaz. vol. 199; p. 302.
- Edible Seed Oils Company, Inc., New York, N. Y. Corn-oil. Nos. 99,569-70; Sept. 8; Gaz. vol. 206; p. 584.
- Edison, Thomas A., Incorporated, West Orange, N. J. Speaking-tubes for dictating-machines. No. 95,080; Feb. 3; Gaz. vol. 199; p. 298.
- Edison, Thomas A., Incorporated, West Orange, N. J. Electric motors. No. 98,375; July 14; Gaz. vol. 204; p. 669.
- Edison, Thomas A., Incorporated, West Orange, N. J. Tating-machines. No. 98,494; July 21; Gaz. vol. 204; p. 1006.
- Edison, Thomas A., Incorporated, West Orange, N. J. Sound recording and reproducing apparatus. No. 98,495; July 21; Gaz. vol. 204; p. 1006.
- Edouard D. Kruse Company, Philadelphia, Pa. Icing for cakes, &c. No. 97,622; June 16; Gaz. vol. 203; p. 920.
- Edward J. Knapp Candle Co., Syracuse, N. Y. Candles. No. 97,252; May 26; Gaz. vol. 202; p. 1254.
- Edwards Company, The Wm., Cleveland, Ohio. Blended coffee. No. 97,222; May 26; Gaz. vol. 202; p. 1253.
- Edwards, Sara E., St. Louis, Mo. Printed books, periodicals, prints, and pictures. No. 96,952; May 12; Gaz. vol. 202; p. 627.
- Edwards, Seeber, *et al.*, executors. (See Harris, Abraham W.)
- Edwards, Thee, W., Columbus, Miss. Cigars. No. 98,265; July 7; Gaz. vol. 204; p. 313.
- Edwin B. Stimpson Company, Brooklyn, N. Y. Metallic eyelets. No. 99,368; Aug. 25; Gaz. vol. 205; p. 1320.
- Egbert, Jay H., Willimantic, Conn. Eye remedy and tonic. No. 96,872; May 5; Gaz. vol. 202; p. 312.
- Eggers, Harold S., Troy, N. Y. Ointment for relief of whooping-cough, coughs, colds, and croup. No. 97,411; June 2; Gaz. vol. 203; p. 300.
- Eggers, William A., Newark, N. J. Preparation for leather footwear. No. 99,088; Aug. 18; Gaz. vol. 205; p. 1015.
- Ehlman Brothers Co., Sioux City, Iowa. Hair-nets. No. 98,863; Aug. 4; Gaz. vol. 205; p. 301.
- Ehrich & Graetz, Berlin, Germany. Certain named electrical apparatus and supplies. No. 100,965; Nov. 3; Gaz. vol. 208; p. 333.
- Ehrich & Graetz, Berlin, Germany. Certain named lighting-fixtures and parts therefor. No. 101,142; Nov. 17; Gaz. vol. 208; p. 979.
- Eichbaum, Charles, Port Jervis, N. Y. Certain named carbonated beverages. No. 95,081; Feb. 3; Gaz. vol. 199; p. 298.
- Eichbaum, Charles, Port Jervis, N. Y. Certain named carbonated beverages. No. 96,953; May 12; Gaz. vol. 202; p. 627.
- Einzig & Co., J., New York, N. Y. Candy. No. 99,043; Aug. 11; Gaz. vol. 205; p. 659.
- Eiseman & Co., Samuel, New York, N. Y. Silk, silk and cotton, and satin piece goods. No. 95,082; Feb. 3; Gaz. vol. 199; p. 298.
- Eiseman & Co., Samuel, New York, N. Y. Silk, silk and cotton, and satin piece goods. No. 98,648; July 28; Gaz. vol. 204; p. 1340.
- Eisemann & Co., E., New York, N. Y. Ostrich plumes and feathers. No. 95,821; Mar. 17; Gaz. vol. 200; p. 853.
- Eisemann & Co., E., New York, N. Y. Artificial feathers; plumes, feathers, &c. Nos. 99,448-9; Sept. 1; Gaz. vol. 206; p. 308.
- Eisemann, Phil., Lancaster, England. Strops. No. 95,752; Mar. 10; Gaz. vol. 200; p. 577.
- Eisemann, Phil., Lancaster, Pa. Razors and shears. No. 96,002; Mar. 31; Gaz. vol. 200; p. 1386.
- Eisemann, Phil., Lancaster, Pa. Head tonic and rub, shampoo liquor, toilet water and creams, &c. No. 96,505; Apr. 21; Gaz. vol. 201; p. 898.
- Eisenberger Klebsand-Werke, G. m. b. H., Eisenberg, Germany. Loam, molding sand and clay. No. 100,840; Oct. 27; Gaz. vol. 207; p. 1244.
- Eisenman Company, Charles, Cleveland, Ohio. Sleeping-garments. No. 95,208; Feb. 3; Gaz. vol. 199; p. 302.
- Eisenmayer Milling Company, Springfield, Mo. Wheat-flour. No. 97,046; May 19; Gaz. vol. 202; p. 945.
- Eisenmayer Milling Company, Springfield, Mo. Wheat-flour. No. 98,266; July 7; Gaz. vol. 204; p. 313.
- Eisenstadt Manufacturing Company, St. Louis, Mo. Finger-rings. No. 101,569; Dec. 29; Gaz. vol. 209; p. 1687.
- Ekroth, Clarence V., New York, N. Y. Business-forms, menus, brochures, booklets, &c. No. 95,610; Mar. 3; Gaz. vol. 200; p. 273.
- El Reno Mill & Elevator Co., El Reno, Okla. Wheat-flour. No. 95,894; Mar. 24; Gaz. vol. 200; p. 1110.
- Elba Manufacturing Company, Charlotte and Maxton, N. C. Feedstuff for animals. No. 94,892; Jan. 13; Gaz. vol. 198; p. 490.
- Elchemco Manufacturing Company, Jersey City, N. J. Rubber tires. No. 97,830; June 23; Gaz. vol. 203; p. 1256.
- Eldridge Baker Co., Boston, Mass. Certain named foods. No. 95,197; Feb. 3; Gaz. vol. 199; p. 301.
- Electric and Ordnance Accessories Company Limited, Birmingham, England. Automobiles. No. 101,509; Dec. 22; Gaz. vol. 209; p. 1313.
- Electro Importing Co., New York, N. Y. Certain named electrical apparatus. No. 94,990; Jan. 20; Gaz. vol. 198; p. 699.
- Electro Manufacturing Company, Brooklyn, N. Y. Insulators. No. 95,822; Mar. 17; Gaz. vol. 200; p. 853.
- Elektrizitätswerk Lonza, Gampel, Switzerland. Certain named metallic alloys. No. 99,450; Sept. 1; Gaz. vol. 206; p. 308.
- Elephant Orchards, Redlands, Cal. Fresh oranges, lemons, limes, and grape-fruit. No. 99,203; Aug. 25; Gaz. vol. 205; p. 1315.
- Eli Lilly and Company, The, Indianapolis, Ind. Local anesthetic. No. 100,363; Oct. 20; Gaz. vol. 207; p. 923.
- Eli Lilly & Company, The, Indianapolis, Ind. Stomach remedy. No. 101,181; Nov. 17; Gaz. vol. 208; p. 931.
- Ellis & Company (Birmingham) Limited, Birmingham, England. Certain named articles made of precious metals or plated with same. No. 97,412; June 2; Gaz. vol. 203; p. 300.
- Ellis & Company (Birmingham) Limited, Birmingham, England. Certain named articles made of silver or silver-plated. No. 97,469; June 9; Gaz. vol. 203; p. 595.
- Elmendorf, George, Elmira, N. Y. Chewing-gum. No. 100,528; Oct. 20; Gaz. vol. 207; p. 927.
- Elms & Sellon, New York, N. Y. Cotton piece goods. No. 96,656; Apr. 28; Gaz. vol. 201; p. 1214.
- Elrod, Benjamin S., Omaha, Nebr. Weekly newspaper. No. 95,310; Feb. 10; Gaz. vol. 199; p. 612.
- Elsässische Werkzeugfabrik Zornhoff vormals Goldenberg & Co., Zornhoff, near Zabern, Germany. Files and rasps. No. 96,873; May 5; Gaz. vol. 202; p. 312.
- Elsässische Werkzeugfabrik Zornhoff vormals Goldenberg & Co., Zornhoff, near Zabern, Germany. Tools, household, agricultural, and farming implements made of iron or steel. No. 98,048; June 30; Gaz. vol. 203; p. 1552.
- Elsässische Werkzeugfabrik Zornhoff vormals Goldenberg & Co., Zornhoff, near Zabern, Germany. Certain named tools and parts thereof. No. 98,049; June 30; Gaz. vol. 203; p. 1552.
- Elsässische Werkzeugfabrik Zornhoff vormals Goldenberg & Co., Zornhoff, near Zabern, Germany. Certain named tools and parts thereof. No. 98,137; July 7; Gaz. vol. 204; p. 309.
- Elsässische Werkzeugfabrik Zornhoff vormals Goldenberg & Co., Zornhoff, near Zabern, Germany. Certain named cutlery and tools and parts thereof. Nos. 98,138-9; July 7; Gaz. vol. 204; p. 309.
- Elsässische Werkzeugfabrik Zornhoff vormals Goldenberg & Co., Zornhoff, near Zabern, Germany. Certain named tools, machine parts, and mills. No. 98,267; July 7; Gaz. vol. 204; p. 313.
- Ely & Walker Dry Goods Co., St. Louis, Mo. Negligée and dress shirts. No. 94,893; Jan. 13; Gaz. vol. 198; p. 490.

Alphabetical list of registrants of trade-marks—Continued.

- Emerson Shoe Co., Rockland, Mass. Leather boots and shoes. No. 98,649; July 28; Gaz. vol. 204; p. 1340.
- Emerson, Theophilus R., New York, N. Y. Leather shoes. No. 97,223; May 26; Gaz. vol. 202; p. 1253.
- Emery, Abbie M., Denver, Colo. Facial enamel. No. 96,874; May 5; Gaz. vol. 202; p. 312.
- Emery, Everett H., Lenoir City, Tenn. Penholders. No. 95,823; Mar. 17; Gaz. vol. 200; p. 853.
- Emery, John W., Berne, Ind. Stock-powder. No. 97,688; June 16; Gaz. vol. 203; p. 922.
- Emery & Marshall Co., Haverhill, Mass. Shoes. No. 98,496; July 21; Gaz. vol. 204; p. 1006.
- Empire Cotton Oil Co., Atlanta, Ga. Fertilizers. No. 100,699; Oct. 20; Gaz. vol. 207; p. 933.
- Empire Cotton Oil Company, Atlanta, Ga. Feed-meal for horses, mules, and cows. No. 100,107; Oct. 6; Gaz. vol. 207; p. 294.
- Empire Knitting Co., The, Cleveland, Ohio. Sweaters. No. 96,875; May 5; Gaz. vol. 202; p. 312.
- Empire Mattress Company, Chicago, Ill. Mattresses. No. 98,268; July 7; Gaz. vol. 204; p. 313.
- Empire State Flour Mills, Syracuse, N. Y. Wheat-flour. No. 97,604; June 16; Gaz. vol. 203; p. 919.
- Empire Tire Company, Trenton and Newark, N. J.; Philadelphia, Pa.; Chicago, Ill.; Detroit, Mich.; Indianapolis, Ind.; Kansas City, Mo.; New York, N. Y., and Atlanta, Ga. Rubber inner tubes for pneumatic tires. No. 95,083; Feb. 3; Gaz. vol. 199; p. 298.
- Encore Hosiery Company, New York, N. Y. Hosiery and knit goods. No. 95,415; Feb. 17; Gaz. vol. 199; p. 934.
- Enger-Kress Pocket Book Co., West Bend, Wis. Certain named leather novelties. No. 97,224; May 26; Gaz. vol. 202; p. 1253.
- Englander Spring Bed Company, Brooklyn, N. Y. Folding beds, cots, and hammocks. No. 100,967; Nov. 3; Gaz. vol. 208; p. 334.
- Enrique Grana & Hijos, Malaga, Spain. Olive-oil. No. 97,974; June 30; Gaz. vol. 203; p. 1550.
- Enterprise Enamel Co., The, Bellaire, Ohio. Certain named enameled kitchen and household utensils. No. 95,612; Mar. 3; Gaz. vol. 200; p. 273.
- Enterprise Enamel Co., The, Bellaire, Ohio. Buckets, water and dinner pails. No. 95,895; Mar. 24; Gaz. vol. 200; p. 1110.
- Enterprise Manufacturing Company, The, Akron, Ohio. Artificial fishing-bait. Nos. 98,758-9; Aug. 4; Gaz. vol. 205; p. 298.
- Entzminger, C. W., Sanford, Fla. Remedies for syphilis. No. 95,530; Feb. 24; Gaz. vol. 199; p. 1239.
- Entzminger, C. W., Sanford, Fla. Blood-tonics. No. 99,006; Aug. 11; Gaz. vol. 205; p. 657.
- Equinoit Ltd., Newcastle-upon-Tyne, England. Ointment. No. 96,118; Apr. 7; Gaz. vol. 201; p. 262.
- Erickson and McAndrew, Omaha, Nebr. Furniture-polish. No. 100,968; Nov. 3; Gaz. vol. 208; p. 334.
- Ernecke & Salmstein Company, Chicago, Ill. Enamel paint. No. 101,570; Dec. 29; Gaz. vol. 209; p. 1687.
- Ernest Gabler & Bro., New York, N. Y. Pianos. No. 94,901; Jan. 13; Gaz. vol. 198; p. 490.
- Ernest Simons Mfg. Co., Port Chester, N. Y. Certain named household furnishings. No. 96,355; Apr. 14; Gaz. vol. 201; p. 567.
- Ernst Schliemann's Export-Ceresin-Fabrik, Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Ceresin-wax. No. 95,850; Mar. 17; Gaz. vol. 200; p. 854.
- Escoffier (1907) Limited, London, England. Chutney, pickles, and condiment sauces. No. 100,108; Oct. 6; Gaz. vol. 207; p. 294.
- Essanay Film Manufacturing Co., Chicago, Ill. Moving-picture films. No. 99,293; Aug. 25; Gaz. vol. 205; p. 1318.
- Essbach, Firm of Carl, Brunnöbra, Germany. Certain musical instruments and supplies therefor. No. 99,863; Sept. 22; Gaz. vol. 206; p. 1158.
- Essex Gelatine Company, Jersey City, N. J., and Boston, Mass. Gelatin. No. 96,954; May 12; Gaz. vol. 202; p. 628.
- Essex Rubber Company, Trenton, N. J. Brake-band lining. No. 99,147; Aug. 18; Gaz. vol. 205; p. 1017.
- Essex Rubber Company, Trenton, N. J. Rubber sheet-packing and round gasket-tubing. No. 99,713; Sept. 15; Gaz. vol. 206; p. 870.
- Essex Rubber Company, Trenton, N. J. Fibrous sheet-packing. No. 99,714; Sept. 15; Gaz. vol. 206; p. 870.
- Essex Rubber Company, Trenton, N. J. Rubber and duck packing. No. 99,715; Sept. 15; Gaz. vol. 206; p. 870.
- Essex Rubber Company, Trenton, N. J. Asbestos packing. No. 99,716; Sept. 15; Gaz. vol. 206; p. 870.
- Essex Rubber Company, Trenton, N. J. Rubber sheet-packing. No. 99,717; Sept. 15; Gaz. vol. 206; p. 870.
- Essex Rubber Company, Trenton, N. J. Asbestos sheet-packing. Nos. 99,718-9; Sept. 15; Gaz. vol. 206; p. 870.
- Essex Rubber Company, Trenton, N. J. Rubber sheet-packing and round gasket-tubing. No. 99,720; Sept. 15; Gaz. vol. 206; p. 870.
- Essex Rubber Company, Trenton, N. J. Asbestos packing. No. 101,143; Nov. 17; Gaz. vol. 208; p. 979.
- Estate of J. G. Hetzel, The, Newark, N. J. Paint for tin roofs and metal work. No. 97,328; June 2; Gaz. vol. 203; p. 297.
- Estate of J. G. Hetzel, The, Newark, N. J. Elastic rubber roof-cement. No. 98,519; July 21; Gaz. vol. 204; p. 1007.
- Estate P. D. Beckwith, Inc., Dowagiac, Mich. Wood, coal, gas, and vapor stores and furnaces. No. 98,467; July 21; Gaz. vol. 204; p. 1005.
- Esterbrook Steel Pen Mfg. Co., The, Camden, N. J. Steel pens. No. 100,530; Oct. 20; Gaz. vol. 207; p. 928.
- Estes Title Indexes Company, Little Rock, Ark. Blank forms for abstracts of title to real estate. No. 99,722; Sept. 15; Gaz. vol. 206; p. 870.
- Etablissements Ch. Loonen Societe Anonyme, Paris, France. Brushes. No. 96,797; May 5; Gaz. vol. 202; p. 309.
- Eureka Rubbing Stone Company, Chicago, Ill. Rubbing-stone. No. 101,094; Nov. 10; Gaz. vol. 208; p. 653.
- Eustis Citrus Growers Association, Eustis, Fla. Certain named citrus fruits. Nos. 100,109-10; Oct. 6; Gaz. vol. 207; p. 294.
- Evans, Lewis S., Pittsburgh, Pa. Belt-dressings. No. 100,531; Oct. 20; Gaz. vol. 207; p. 928.
- Evans Milling Company, Indianapolis, Ind. Certain named corn products. No. 96,403; Apr. 21; Gaz. vol. 201; p. 895.
- Evansville Paint & Varnish Co., Evansville, Ind. Varnishes, paints, and colors ground in oil. No. 98,943; Aug. 11; Gaz. vol. 205; p. 655.
- Everett, Aughenbaugh & Co., Waseca, Minn. Wheat flour, bran, and offal. No. 97,129; May 19; Gaz. vol. 202; p. 948.
- Everett Pulp and Paper Co., Everett, Wash. Writing and book papers. No. 97,831; June 23; Gaz. vol. 203; p. 1256.
- Everett & Treadwell Co., Kingston, N. Y. Certain named foods. No. 95,249; Feb. 3; Gaz. vol. 199; p. 303.
- Evette et Schaeffer, Paris, France. Mouthpieces for clarinets, saxophones, hautboys, bagpipes, &c. Nos. 94,894-5; Jan. 13; Gaz. vol. 198; p. 490.
- Excelvalve Company, New York, N. Y. Certain valves, cocks, bowls, basins, fixtures, and bath-tubs. No. 95,613; Mar. 3; Gaz. vol. 200; p. 273.
- Excelso Disinfectant Co., Jacksonville, Fla. Disinfectant for the extermination of mosquitos, ants, &c. No. 101,376; Dec. 8; Gaz. vol. 209; p. 679.
- Exchange Buffet Corporation, New York, N. Y. Certain lunches. No. 98,651; July 28; Gaz. vol. 204; p. 1340.
- Expurgo Manufacturing Co., The, Chicago, Ill. Preparations for the treatment of certain named diseases. No. 97,413; June 2; Gaz. vol. 203; p. 300.
- F. Beaumont National-Croustade Manufacturing Company, Inc., The, New York, N. Y. Croustades. Nos. 99,190-1; Aug. 25; Gaz. vol. 205; p. 1315.
- F. Hoffmann & Sons Inc., Newark, N. J. A carbonated non-alcoholic beverage. No. 95,320; Feb. 10; Gaz. vol. 199; p. 612.
- F. Koref & Company, New York, N. Y. Emulsion of portwine and olive-oil. No. 99,756; Sept. 15; Gaz. vol. 206; p. 871.
- F. Kreuger and Company, Limited, London, England. Matches. No. 100,356; Oct. 20; Gaz. vol. 207; p. 922.
- F. Mayer Boot & Shoe Co., Milwaukee, Wis. Leather boots and shoes. No. 95,003; Jan. 20; Gaz. vol. 198; p. 700.
- F. A. Hardy & Co., Chicago, Ill. Lenses. No. 96,286; Apr. 14; Gaz. vol. 201; p. 565.
- F. A. Hardy & Co., Chicago, Ill. Mountings for spectacles and eyeglasses. No. 97,534; June 9; Gaz. vol. 203; p. 597.
- F. A. Hardy & Co., Chicago, Ill. Mountings for spectacles and eyeglasses. No. 98,145; July 7; Gaz. vol. 204; p. 310.
- F. A. Hardy & Co., Chicago, Ill. Mountings for spectacles and eyeglasses. No. 98,385; July 14; Gaz. vol. 204; p. 670.
- F. A. Hardy & Co., Chicago, Ill. Spectacle and eyeglass lenses. No. 99,461; Sept. 1; Gaz. vol. 206; p. 308.
- F. A. Hardy & Co., Chicago, Ill. Mountings for spectacles and eyeglasses. No. 101,286; Nov. 24; Gaz. vol. 208; p. 1351.
- F. A. Hardy & Company, Chicago, Ill. Eye-protectors. No. 99,980; Sept. 29; Gaz. vol. 206; p. 1432.
- F. A. Patrick & Co., Duluth, Minn. Certain named embroidery, knitting, and crochet materials and sewing-silks. No. 100,396; Oct. 20; Gaz. vol. 207; p. 924.
- F. A. Patrick & Co., Duluth, Minn. Knitted caps, hoods, sweaters, skirts, &c. No. 100,605; Oct. 20; Gaz. vol. 207; p. 930.
- F. A. Patrick & Co., Duluth, Minn. Certain named textile fabrics. No. 100,606; Oct. 20; Gaz. vol. 207; p. 930.
- F. A. O. Schwarz, New York, N. Y. Printed books. No. 96,351; Apr. 14; Gaz. vol. 201; p. 567.
- F. A. O. Schwarz, New York, N. Y. Certain named sporting goods. No. 96,462; Apr. 21; Gaz. vol. 201; p. 897.
- F. C. Traver Paper Co., Chicago, Ill. Special wrapping-paper. No. 97,511; June 9; Gaz. vol. 203; p. 596.
- F. E. Royston & Co., Aurora, Ill. Certain named foods. No. 98,011; June 30; Gaz. vol. 203; p. 1551.
- F. G. Vogt & Sons, Inc., Philadelphia, Pa. Lard, ham, bacon, and scrapple. No. 95,723; Mar. 3; Gaz. vol. 200; p. 277.

Alphabetical list of registrants of trade-marks—Continued.

- F. M. Lupton, Publisher, Incorporated, New York, N. Y. Periodicals published monthly. No. 97,869; June 23; Gaz. vol. 203; p. 1257.
- F. & R. Lazarus & Co., The, Columbus, Ohio. Men's underwear. No. 97,867; June 23; Gaz. vol. 203; p. 1257.
- F. & R. Lazarus & Co., Columbus, Ohio. Gloves. No. 98,064; June 30; Gaz. vol. 203; p. 1553.
- F. S. Bixler Company, The, Easton, Pa. Stockings, socks, and knit underwear. No. 96,635; Apr. 28; Gaz. vol. 201; p. 1213.
- F. S. Royster Guano Co., Norfolk, Va. Fertilizers. Nos. 98,969-83; Aug. 11; Gaz. vol. 205; pp. 656-7.
- F. S. Royster Guano Co., Norfolk, Va. Fertilizers. No. 99,067; Aug. 11; Gaz. vol. 205; p. 659.
- F. S. Royster Guano Co., Norfolk, Va. Fertilizers. Nos. 99,122-3; Aug. 18; Gaz. vol. 205; p. 1016.
- F. S. Royster Guano Co., Norfolk, Va. Fertilizers. Nos. 99,177-8; Aug. 18; Gaz. vol. 205; p. 1018.
- F. S. Royster Guano Co., Norfolk, Va. Fertilizers. No. 99,500; Sept. 1; Gaz. vol. 206; p. 309.
- F. S. Royster Guano Co., Norfolk, Va. Fertilizers. Nos. 99,637-45; Sept. 8; Gaz. vol. 206; p. 586.
- F. S. Royster Guano Co., Norfolk, Va. Fertilizers. Nos. 99,791-3; Sept. 15; Gaz. vol. 206; p. 872.
- F. S. Royster Guano Co., Norfolk, Va. Fertilizers. Nos. 100,421-3; Oct. 20; Gaz. vol. 207; p. 924.
- F. S. Royster Guano Co., Norfolk, Va. Fertilizers. No. 100,627; Oct. 20; Gaz. vol. 207; p. 930.
- F. T. B. Inc., Brooklyn, N. Y. Divanettes. No. 101,571; Dec. 29; Gaz. vol. 209; p. 1687.
- F. W. Fanson & Son Inc., Bergen, N. Y. Spring-water. No. 98,052; June 30; Gaz. vol. 203; p. 1552.
- F. W. Ketterer Medicine Co., The, Jacksonville, Fla. A liver-cleaner used as a remedy for certain named diseases. No. 95,322; Feb. 10; Gaz. vol. 199; p. 612.
- F. W. King Optical Company, The, Cleveland, Ohio. Eyeglasses and spectacles. No. 99,992; Sept. 29; Gaz. vol. 206; p. 1432.
- Faber, A. W., Stein, near Nuremberg, and Berlin, Germany. Rubber bands. No. 95,531; Feb. 24; Gaz. vol. 199; p. 1239.
- Faber, Firm of A. W., Stein, near Nuremberg, Germany. Certain named pencils, rubber erasers, and penholders. No. 98,050; June 30; Gaz. vol. 203; p. 1552.
- Faber, Eberhard, New York, N. Y. Certain pencils, pen and pencil holders, clips, crayons, and rubber erasers. No. 97,470; June 9; Gaz. vol. 203; p. 595.
- Faber, Eberhard, New York, N. Y. Certain named pencils, crayons, rubber erasers, &c. No. 100,532; Oct. 20; Gaz. vol. 207; p. 928.
- Faber, Herman W., St. Louis, Mo. Sprudel salts, anti-septic tablets, ointment, &c. No. 101,144; Nov. 17; Gaz. vol. 208; p. 979.
- Fahrenwald, William A., New York, N. Y. Cold-cream. No. 100,785; Oct. 27; Gaz. vol. 207; p. 1242.
- Fair, The, Chicago, Ill. Trousers. No. 99,571; Sept. 8; Gaz. vol. 206; p. 584.
- Fair, The, Chicago, Ill. Candy. Nos. 99,723-5; Sept. 15; Gaz. vol. 206; p. 870.
- Fair, The, Chicago, Ill. Lawn-mowers. No. 99,961; Sept. 29; Gaz. vol. 206; p. 1432.
- Fair, The, Chicago, Ill. Ready-mixed paint. No. 99,962; Sept. 29; Gaz. vol. 206; p. 1432.
- Fair, The, Chicago, Ill. Satin ribbon. No. 100,303; Oct. 20; Gaz. vol. 207; p. 921.
- Fair, The, Chicago, Ill. Clothes-wringer. No. 100,304; Oct. 20; Gaz. vol. 207; p. 921.
- Fair, The, Chicago, Ill. Neckties. Nos. 100,305-6; Oct. 20; Gaz. vol. 207; p. 921.
- Fair, The, Chicago, Ill. Clothes-wringer. No. 100,307; Oct. 20; Gaz. vol. 207; p. 921.
- Fair, The, Chicago, Ill. Cigars, cigarettes, and smoking-tobacco. Nos. 101,145-8; Nov. 17; Gaz. vol. 208; p. 980.
- Fair and Carnival Trading Co., Inc., New York, N. Y. Dolls and stuffed animal toys. No. 99,294; Aug. 25; Gaz. vol. 205; p. 1318.
- Fairbanks Company, The, New York, N. Y. Valves. No. 96,262; Apr. 14; Gaz. vol. 201; p. 564.
- Fairbanks Company, The, New York, N. Y. Trucks and wheelbarrows. No. 96,506; Apr. 21; Gaz. vol. 201; p. 898.
- Fairbanks, Morse & Company, Chicago, Ill. Laundry-washing machines. No. 99,572; Sept. 8; Gaz. vol. 206; p. 584.
- Fairy Manufacturing Co., Los Angeles, Cal. Polish for pianos, furniture, and automobiles. No. 95,084; Feb. 3; Gaz. vol. 199; p. 298.
- Faiszt, Franz, Budapest, Hungary. Syringes. No. 95,532; Feb. 24; Gaz. vol. 199; p. 1239.
- Falck & Co., F. L., Allegheny, Pa. Soap. No. 99,090; Aug. 18; Gaz. vol. 205; p. 1015.
- Falconer, Jerome L., New York, N. Y. Digestive and corrective for stomach trouble. No. 98,497; July 21; Gaz. vol. 204; p. 1006.
- Falls Machine Company, Sheboygan Falls, Wis. Certain engines and certain named machinery and parts thereof. No. 96,876; May 5; Gaz. vol. 202; p. 312.
- Fantini & Latorraca, New York, N. Y. Olive-oil. No. 96,578; Apr. 21; Gaz. vol. 201; p. 900.
- Faour & Bros., D. J., New York, N. Y. Soaps. No. 96,955; May 12; Gaz. vol. 202; p. 628.
- Far West Clay Co., The, Tacoma, Wash. Building bricks and blocks. No. 100,308; Oct. 20; Gaz. vol. 207; p. 921.
- Farbwerke-Hoechst Company, New York, N. Y. Certain named medicinal preparations. No. 96,658; Apr. 28; Gaz. vol. 201; p. 1214.
- Farbwerke-Hoechst Company, New York, N. Y. Anesthetics. No. 97,690; June 16; Gaz. vol. 203; p. 922.
- Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Preparation for reducing inflammation of the skin and promoting granulations. No. 94,819; Jan. 6; Gaz. vol. 198; p. 235.
- Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Antiseptic chemical preservative, sanitary paints or dressings. No. 94,820; Jan. 6; Gaz. vol. 198; p. 235.
- Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Remedy for certain named diseases. No. 95,250; Feb. 3; Gaz. vol. 199; p. 303.
- Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Certain named preparations for dyeing and printing purposes. No. 95,311; Feb. 10; Gaz. vol. 199; p. 612.
- Farmer, Thomas P., Kansas City, Mo. Laxative medicine. No. 97,471; June 9; Gaz. vol. 203; p. 595.
- Farmers National Life Insurance Company of America, East Chicago, Ind., and Chicago, Ill. Publications. No. 100,786; Oct. 27; Gaz. vol. 207; p. 1241.
- Farnsworth, Hoyt & Co., Boston, Mass. Cotton twills. No. 98,652; July 28; Gaz. vol. 204; p. 1340.
- Farr and Bailey Manufacturing Company, Camden, N. J. Chemical composition for treatment of new and old floor oil-cloth and linoleum. No. 100,787; Oct. 27; Gaz. vol. 207; p. 1242.
- Farr Brick Company, Cleveland, Ohio. Brick. No. 100,533; Oct. 20; Gaz. vol. 207; p. 928.
- Farrell & Co., Omaha, Nebr. Table-syrups, sorghum, and maple-syrup molasses. No. 100,700; Oct. 20; Gaz. vol. 207; p. 933.
- Faulkner & Colony Manufg. Co., Keene, N. H. Certain named textile fabrics. No. 98,864; Aug. 4; Gaz. vol. 205; p. 301.
- Faxlanger, George A., Buffalo, N. Y. Compound for the destruction of vermin. No. 101,277; Nov. 24; Gaz. vol. 208; p. 1351.
- Fear-Campbell Company, Frankfort, Ind. Eggs, dressed poultry, and butter. No. 99,044; Aug. 11; Gaz. vol. 205; p. 659.
- Fearing, Whiton & Co., Inc., Boston, Mass. Cotton piece goods. No. 100,309; Oct. 20; Gaz. vol. 207; p. 921.
- Feasel, Harry L., Philadelphia, Pa. Mops. No. 95,896; Mar. 24; Gaz. vol. 200; p. 1110.
- Federal-Huber Co., Chicago, Ill. Water-closets, lavatories. No. 100,788; Oct. 27; Gaz. vol. 207; p. 1242.
- Federal Metallic Packing Company, Boston, Mass. Flexible metallic packing. No. 95,614; Mar. 3; Gaz. vol. 200; p. 273.
- Federal Milling Company, Lockport, N. Y. Wheat-flour. No. 95,209; Feb. 3; Gaz. vol. 199; p. 302.
- Federal Milling Company, Lockport, N. Y. Wheat-flour. No. 96,956; May 12; Gaz. vol. 202; p. 628.
- Federal Milling Company, Lockport, N. Y. Wheat-flour. No. 97,961; June 30; Gaz. vol. 203; p. 1549.
- Federal Milling Company, Lockport, N. Y. Wheat-flour and feeds. No. 98,498; July 21; Gaz. vol. 204; p. 1006.
- Federal Milling Company, Lockport, N. Y. Feed composed of certain named grains. No. 98,653; July 28; Gaz. vol. 204; p. 1340.
- Federal Milling Company, Lockport, N. Y. Wheat-flour. No. 99,864; Sept. 22; Gaz. vol. 206; p. 1158.
- Federal Milling Company, Lockport, N. Y. Feeds made from wheat, corn, and oats. No. 100,789; Oct. 27; Gaz. vol. 207; p. 1242.
- Federal Sign System (Electric), Chicago, Ill. Washing-machines. No. 96,003; Mar. 31; Gaz. vol. 200; p. 1386.
- Federal Sign System (Electric), Chicago, Ill. Certain named electrical apparatus and supplies. No. 99,295; Aug. 25; Gaz. vol. 205; p. 1318.
- Feldenfeld Chemical Co., New York, N. Y. Driers, gloss-finishes, and cut washers for ink ingredients for printers and lithographers. No. 95,897; Mar. 24; Gaz. vol. 200; p. 1110.
- Feldheim, A. & L., Barmen, Germany. Laces and ribbons. No. 95,824; Mar. 17; Gaz. vol. 200; p. 853.
- Feldman Fly Exterminator Company, Denver, Colo. Fly-exterminators. No. 100,969; Nov. 3; Gaz. vol. 208; p. 334.
- Feldwisch, John, St. Louis, Mo. Salt. No. 100,534; Oct. 20; Gaz. vol. 207; p. 928.
- Fellenberg, Friedrich, Erlenbach, Switzerland. Pharmaceutical preparations for medicinal baths. No. 99,963; Sept. 29; Gaz. vol. 206; p. 1432.
- Felt Embroidery Form Company, Marengo, Ill. Initials and embroidery designs. No. 100,310; Oct. 20; Gaz. vol. 207; p. 921.
- Felten & Guilleaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Wire strings for musical instruments. No. 94,807; Jan. 6; Gaz. vol. 198; p. 235.

Alphabetical list of registrants of trade-marks—Continued.

- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Certain articles composed of certain named substances. Nos. 94,808-9; Jan. 6; Gaz. vol. 198; p. 235.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Certain vegetable substances. No. 95,085; Feb. 3; Gaz. vol. 199; p. 298.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Wire strings for musical instruments. No. 95,086; Feb. 3; Gaz. vol. 199; p. 298.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Cordage. No. 95,251; Feb. 3; Gaz. vol. 199; p. 303.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Certain named wire goods, plumbing supplies, chain cables, and like hardware. No. 95,898; Mar. 24; Gaz. vol. 200; p. 1110.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Certain named cutlery, machinery, tools, and parts thereof. No. 97,131; May 19; Gaz. vol. 202; p. 948.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Cordage, cables, (bare,) and wire ropes. No. 97,225; May 26; Gaz. vol. 202; p. 1254.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Certain named vehicles and parts thereof, not including engines. No. 97,226; May 26; Gaz. vol. 202; p. 1254.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Various metals in certain named forms, and wire. No. 98,140; July 7; Gaz. vol. 204; p. 310.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Cords and ropes composed of certain named materials. No. 98,377; July 14; Gaz. vol. 204; p. 669.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Metals and metal castings and forgings. No. 98,499; July 21; Gaz. vol. 204; p. 1006.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Electrical apparatus and supplies. No. 98,500; July 21; Gaz. vol. 204; p. 1006.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Certain named machines and parts thereof. No. 98,501; July 21; Gaz. vol. 204; p. 1006.
- Felten & Guillaume Carlswerk Actien Gesellschaft, Mülheim-on-the-Rhine, Germany. Certain named hardware and plumbing supplies. No. 98,944; Aug. 11; Gaz. vol. 205; p. 656.
- Felters Company, The, New York, Middleville, and Lestershire, N. Y., and Boston and Millbury, Mass. Felts. Nos. 99,296-7; Aug. 25; Gaz. vol. 205; p. 1318.
- Felters Company, New York, Middleville, and Lestershire, N. Y., and Boston and Millbury, Mass. Felts. No. 100,112; Oct. 6; Gaz. vol. 207; p. 294.
- Fenton, T. B., Worden, Ill. Preparation for treatment of hog-cholera. No. 99,866; Sept. 22; Gaz. vol. 206; p. 1158.
- Ferbend & Co., Chicago, Ill. Cheese. No. 100,113; Oct. 6; Gaz. vol. 207; p. 294.
- Ferdinand Neumer, Inc., New York, N. Y. Lager-beer. No. 97,722; June 16; Gaz. vol. 203; p. 923.
- Ferguson, Harvey C., Cornelia, Ga. Egg-preservative composition. No. 98,053; June 30; Gaz. vol. 203; p. 1552.
- Ferguson Waterproof Co., St. Louis, Mo. Certain named clothing. No. 100,312; Oct. 20; Gaz. vol. 207; p. 921.
- Ferment Company, The, New York, N. Y. Bacteriological products in liquid and tablet forms for treatment of certain ailments. No. 94,991; Jan. 20; Gaz. vol. 198; p. 699.
- Fernandez & Sons, Celestino, New York, N. Y., and Habana, Cuba. Toilet-pins. No. 97,227; May 26; Gaz. vol. 202; p. 1254.
- Fesler Sales Company, New York, N. Y. Shaving-soap. No. 99,867; Sept. 22; Gaz. vol. 206; p. 1158.
- Feuerheerd, Junior & Companhia, Diederich M., Oporto, Portugal. Port-wine. No. 100,535; Oct. 20; Gaz. vol. 207; p. 928.
- Fiberloid Company, The, Indian Orchard, Mass., and New York, N. Y. Sensitized photographic media or sheets. No. 94,896; Jan. 13; Gaz. vol. 198; p. 490.
- Field Bros. & Gross Company, Boston, Mass. Leather and canvas boots and shoes. No. 100,313; Oct. 20; Gaz. vol. 207; p. 921.
- Finelli, Joseph, Hoboken, N. J. Olive-oil. No. 99,868; Sept. 22; Gaz. vol. 206; p. 1158.
- Finger, Frederick W., Louisville, Ky. Non-alcoholic malt beverages. No. 98,378; July 14; Gaz. vol. 204; p. 670.
- Finlay, Louise C., assignor to The Guardias Ointment Company, New York, N. Y. Ointment and a remedy for diseases of the blood. No. 97,228; May 26; Gaz. vol. 202; p. 1254.
- Finn, Leo A., Washington, D. C. Ginger-ale, sarsaparilla, birch and root beer, cola, &c. No. 96,119; Apr. 7; Gaz. vol. 201; p. 262.
- Fire Proof Book and Stationery Co., Oakland, Cal. Fire-proof safes. No. 98,379; July 14; Gaz. vol. 204; p. 670.
- Fischer, Andrew, Baltimore, Md. Sheepskin and wool mitten as a washing device. No. 99,869; Sept. 22; Gaz. vol. 206; p. 1158.
- Fischer Brothers, Seattle, Wash. Certain named foods. No. 97,606; June 16; Gaz. vol. 203; p. 919.
- Fischer & Co., B., New York, N. Y. Rice. No. 96,799; May 5; Gaz. vol. 202; p. 310.
- Fischer & Co., B., New York, N. Y. Coffee. No. 97,607; June 16; Gaz. vol. 203; p. 919.
- Fischer, Gustav R., Ilmenau, Germany. Colorless glass tubes and glass rods. No. 97,605; June 16; Gaz. vol. 203; p. 979.
- Fischer, Gustav R., Ilmenau, Germany. Colorless glass tubes and glass rods. No. 97,962; June 30; Gaz. vol. 203; p. 1550.
- Fischer, Otto, Evanston, Ill. Compounds to remove spots from woolen clothing and fabrics. No. 96,798; May 5; Gaz. vol. 202; p. 310.
- Fischer & Pruefer, Providence, R. I. Certain named articles of precious metal and ornamental buckles. No. 96,263; Apr. 14; Gaz. vol. 201; p. 564.
- Fishel & Gorman, Inc., New York, N. Y. Embroidery outfits. No. 95,210; Feb. 3; Gaz. vol. 199; p. 302.
- Fisher, Charles, Chicago, Ill. Preparations for the treatment of certain named diseases. No. 95,533; Feb. 24; Gaz. vol. 199; p. 1239.
- Fisher Flouring Mills Company, Seattle, Wash. Wheat-flour. No. 97,047; May 19; Gaz. vol. 202; p. 945.
- Fisher Flouring Mills Company, Seattle, Wash. Wheat-flour. No. 97,229; May 26; Gaz. vol. 202; p. 1254.
- Fisher Flouring Mills Company, Seattle, Wash. Wheat-flour. No. 101,459; Dec. 15; Gaz. vol. 209; p. 1049.
- Fisher, Grover, Philadelphia, Pa. Salves. No. 96,120; Apr. 7; Gaz. vol. 201; p. 262.
- Fisher & Kennedy, New York, N. Y. Woolen piece goods. No. 95,416; Feb. 17; Gaz. vol. 199; p. 934.
- Fisher, Sons & Co., Mark, Montreal Canada. Serges chevrons, coatings, &c. No. 101,040; Nov. 10; Gaz. vol. 208; p. 651.
- Fishman & McGowan, Sidney, Nebr. Eczema-ointment. No. 95,753; Mar. 10; Gaz. vol. 200; p. 577.
- Fisk Rubber Company, The, Chicopee Falls, Mass. Pneumatic and solid rubber vehicle-tires. No. 98,502; July 21; Gaz. vol. 204; p. 1006.
- Fitts Manufacturing Company, The, Pueblo, Colo. Baking-powder, bluing, and ammonia. No. 96,659; Apr. 28; Gaz. vol. 201; p. 1214.
- Fitz Gerald, Arthur G., Haverhill, Mass. Sleds. No. 95,900; Mar. 24; Gaz. vol. 200; p. 1110.
- Fitzgerald Mfg. Co., The, Torrington, Conn. Electrical horns. Nos. 100,790-1; Oct. 27; Gaz. vol. 207; p. 1242.
- Fitzgerald, Phelps & Fargo Shoe Co., Milwaukee, Wis. Leather boots and shoes. No. 100,536; Oct. 20; Gaz. vol. 207; p. 928.
- Fitzpatrick Bros., Chicago, Ill. Washing compound. Nos. 98,270-1; July 7; Gaz. vol. 204; p. 313.
- Fitzpatrick Bros., Chicago, Ill. Washing compound. No. 100,314; Oct. 20; Gaz. vol. 207; p. 921.
- Fjerestad, Carl O., Elkton, S. D. Certain medicinal veterinary preparations. No. 96,121; Apr. 7; Gaz. vol. 201; p. 262.
- Flamhaft, Harry V., St. Louis, Mo. Disinfectant and air-purifier. No. 98,503; July 21; Gaz. vol. 204; p. 1006.
- Fleck Cigar Co., Ltd., Reading, Pa. Cigars. Nos. 95,087-8; Feb. 3; Gaz. vol. 199; p. 298.
- Flegel, Benjamin F., Racine, Wis. Electric automatic time-switches. No. 97,132; May 19; Gaz. vol. 202; p. 948.
- Fleishman, Morris & Co., Inc., Richmond, Va. Leather shoes. No. 97,691; June 16; Gaz. vol. 203; p. 922.
- Fleming & Co., Baltimore, Md. Canned fruits and vegetables. No. 95,615; Mar. 3; Gaz. vol. 200; p. 274.
- Fleming, Edwin H., Mobile, Ala. Cold-water paint in powder form. No. 100,970; Nov. 3; Gaz. vol. 208; p. 334.
- Flemish Art Company, New York, N. Y. Pyrographic apparatus and accessories. No. 95,089; Feb. 3; Gaz. vol. 199; p. 298.
- Fletcher Company, Philadelphia, Pa. Weekly magazines. No. 101,149; Nov. 17; Gaz. vol. 208; p. 980.
- Fletcher, Fletcher & Co., Limited, London, England. Glass test-tubes for clinical diagnosis. No. 99,204; Aug. 25; Gaz. vol. 205; p. 1315.
- Flexible Star Needle Co., Cleveland, Ohio. Talking-machine needles. No. 97,472; June 9; Gaz. vol. 203; p. 595.
- Flint Medicine Company, Dr., New York, N. Y. Remedy for certain diseases and a blood-tonic. No. 97,230; May 26; Gaz. vol. 202; p. 1254.
- Flint Varnish Works, Flint, Mich. Varnishes. No. 97,760; June 16; Gaz. vol. 203; p. 924.
- Flint and Walling Manufacturing Co., Kendallville, Ind. Power washing-machines (laundry) and parts thereof. No. 100,315; Oct. 20; Gaz. vol. 207; p. 921.
- Flintkote Manufacturing Co., Boston, Mass. Artificial board. No. 100,792; Oct. 27; Gaz. vol. 207; p. 1242.
- Flintkote Manufacturing Co., Boston, Mass. Artificial board. No. 101,512; Dec. 22; Gaz. vol. 209; p. 1313.
- Florence Manufacturing Company, Northampton, Mass. Tooth-brushes. No. 96,800; May 5; Gaz. vol. 202; p. 310.

Alphabetical list of registrants of trade-marks—Continued.

- Florence Manufacturing Company, Northampton, Mass. Tooth-brushes. No. 100,316; Oct. 20; Gaz. vol. 207; p. 921.
- Florence Mills, The, Forest City, N. C. Cotton piece goods. No. 95,417; Feb. 17; Gaz. vol. 199; p. 934.
- Florette, New York, N. Y. Robes, blouses, gowns, jackets, hats, &c. No. 96,579; Apr. 21; Gaz. vol. 201; p. 900.
- Flowerree Groves, Fort Myers, Fla. Citrus fruits. No. 100,201; Oct. 13; Gaz. vol. 207; p. 605.
- Fogle, Bruce E., Woodsboro, Md. Salve. No. 97,832; June 23; Gaz. vol. 203; p. 1256.
- Follens, James, Kansas City, Mo. Catarrh and hay-fever. No. 96,406; Apr. 21; Gaz. vol. 201; p. 895.
- Follmer, Clogg & Co., New York, N. Y. Umbrellas and parasols. No. 96,660; Apr. 28; Gaz. vol. 201; p. 1214.
- Fones Brothers Hardware Co., Little Rock, Ark. Certain named cutlery and tools. No. 97,133; May 19; Gaz. vol. 202; p. 948.
- Fontanella, Henry F., New York, N. Y. Planchette devices. No. 95,902; Mar. 24; Gaz. vol. 200; p. 1110.
- Foose, Alphonse P., Dayton, Ohio. Remedy for foot ailments. No. 99,387; Aug. 25; Gaz. vol. 205; p. 1321.
- Foot & Jenks, Jackson, Mich. Carbonated beverages and flavoring extracts and syrups for beverages. No. 97,761; June 16; Gaz. vol. 203; p. 924.
- Foot Mineral Co., Philadelphia, Pa. Minerals and mineral samples. No. 96,264; Apr. 14; Gaz. vol. 201; p. 564.
- Foot Mineral Co., Philadelphia, Pa. Ceramic titanium yellow. No. 99,148; Aug. 18; Gaz. vol. 205; p. 1017.
- Force, Willard B., New York, N. Y. Tooth-powder. No. 96,122; Apr. 7; Gaz. vol. 201; p. 262.
- Ford, Henry, Detroit and Dearborn township, Wayne county, Mich. Butter. No. 99,870; Sept. 22; Gaz. vol. 206; p. 1158.
- Ford Motor Company, Detroit, Mich. Automobiles, bodies, running-gears, and chassis. No. 98,655; July 28; Gaz. vol. 204; p. 1340.
- Foreign Products Company Inc., Baltimore, Md. Fertilizer. No. 96,801; May 5; Gaz. vol. 202; p. 310.
- Forest Products Co., New Orleans, La. Pine creosote, oil, and tar. No. 99,451; Sept. 1; Gaz. vol. 206; p. 308.
- Forst Mfg. Co., New York, N. Y. Belts, girdles, and sashes. No. 101,041; Nov. 10; Gaz. vol. 208; p. 651.
- Forster Manufacturing Company, Oakland, Me. Tooth-picks. No. 97,231; May 26; Gaz. vol. 202; p. 1254.
- Forsythe Waist Co., The, New York, N. Y. Shirt and dress waists. No. 95,090; Feb. 3; Gaz. vol. 199; p. 298.
- Fort Ogden Citrus Growers Association, Fort Ogden, Fla. Citrus fruits. No. 96,957; May 12; Gaz. vol. 202; p. 628.
- Fort Pitt Bedding Company, Pittsburgh, Pa. Bed-springs. No. 97,692; June 16; Gaz. vol. 203; p. 922.
- Fort Pitt Bedding Company, Pittsburgh, Pa. Pillows. No. 97,762; June 16; Gaz. vol. 203; p. 924.
- Fort Pitt Medical Co., Pittsburgh, Pa. Remedy for coughs and colds. No. 96,123; Apr. 7; Gaz. vol. 201; p. 262.
- Fort Worth Macaroni Co., Fort Worth, Tex. Alimentary paste products. Nos. 99,964-6; Sept. 29; Gaz. vol. 206; p. 1432.
- Foss, Packard & Co., Auburn, Me. Boots, shoes, and slippers. No. 99,452; Sept. 1; Gaz. vol. 206; p. 308.
- Foster, Claud H., Cleveland, Ohio. Shock-absorbing devices. No. 98,273; July 7; Gaz. vol. 204; p. 314.
- Foster, William E., Somerville, Mass. Candy. No. 95,616; Mar. 3; Gaz. vol. 200; p. 274.
- Fountain Chemical Company, The, Baltimore, Md. Liquid toilet preparation. No. 95,418; Feb. 17; Gaz. vol. 199; p. 934.
- 4 Bros. Co., Fresno, Cal. Puncture-proof powder for pneumatic tires. No. 95,033; Jan. 27; Gaz. vol. 198; p. 895.
- Fowler, Elwood H., Newark, N. J. Furniture-polish. No. 99,298; Aug. 25; Gaz. vol. 205; p. 1318.
- Fowler Sign Company, Tacoma, Wash. Apparatus for lighting public halls by indirect light. No. 98,274; July 7; Gaz. vol. 204; p. 314.
- Fownes Brothers & Co., London, England, and New York and Gloversville, N. Y. Gloves. No. 97,232; May 26; Gaz. vol. 202; p. 1254.
- Fox, Arthur O., Madison, Wis. Liquefied gas. No. 96,507; Apr. 21; Gaz. vol. 201; p. 898.
- Fox & Co., M. Ewing, New York, N. Y. Water-paint. No. 94,898; Jan. 13; Gaz. vol. 198; p. 490.
- Fox & Co., M. Ewing, New York, N. Y. Calcimine or water-paint. No. 94,899; Jan. 13; Gaz. vol. 198; p. 490.
- Fox & Co., M. Ewing, New York, N. Y. Calcimine or water-paints. No. 96,005; Mar. 31; Gaz. vol. 200; p. 1386.
- Fox & Co., M. Ewing, New York, N. Y. Calcimine or water-paint. No. 96,265; Apr. 14; Gaz. vol. 201; p. 564.
- Fox & Co., M. Ewing, New York, N. Y. Calcimines and water-paints. No. 99,453; Sept. 1; Gaz. vol. 206; p. 308.
- Fox & Co., M. Ewing, New York, N. Y. Calcimine or water-paint. No. 101,278; Nov. 24; Gaz. vol. 208; p. 1351.
- Fox, Marshall P., Chicago, Ill. Electrical rectifiers. No. 100,794; Oct. 27; Gaz. vol. 207; p. 1242.
- Fox River Butter Company, The, Chicago, Ill. Eggs. No. 99,205; Aug. 25; Gaz. vol. 205; p. 1315.
- Fox River Valley Co., Aurora, Ill. Certain named foods. No. 96,958; May 12; Gaz. vol. 202; p. 628.
- Fraass, August E., New York, N. Y. Surgical instruments. No. 101,572; Dec. 29; Gaz. vol. 209; p. 1687.
- Francek & Co., F. C., Chicago, Ill. Hair elixir. No. 96,877; May 5; Gaz. vol. 202; p. 312.
- Francesco Izzo & Figlio, Torre Annunziata, near Naples, Italy. Macaroni. No. 99,750; Sept. 15; Gaz. vol. 206; p. 871.
- Francis, Carol H., Camden, N. J. Packed antiseptic drugs for the prevention of venereal diseases. No. 95,252; Feb. 3; Gaz. vol. 199; p. 303.
- Francis, G. C., Florin, Cal. Fresh grapes. No. 95,903; Mar. 24; Gaz. vol. 200; p. 1110.
- Francis Karr Company, Chicago, Ill. Spring-beds. No. 96,810; May 5; Gaz. vol. 202; p. 310.
- Frank & Co., The, New Brunswick, N. J. Flexible couplings for machinery. No. 101,279; Nov. 24; Gaz. vol. 208; p. 1351.
- Frank, Bernard N., New York, N. Y. Shirt-waists. No. 100,317; Oct. 20; Gaz. vol. 207; p. 921.
- Frank E. Block Co., Atlanta, Ga. Candy. No. 100,083; Oct. 6; Gaz. vol. 207; p. 293.
- Frank H. Fleer Corporation, Philadelphia, Pa. Chewing-gum and chewing-gum products. No. 97,963; June 30; Gaz. vol. 203; p. 1550.
- Frank H. Fleer Corporation, Philadelphia, Pa. Chewing-gum. Nos. 98,504-5; July 21; Gaz. vol. 204; p. 1006.
- Frank & Meyer Neckwear Company, St. Louis, Mo. Neckties, belts, suspenders, and garters. No. 96,878; May 5; Gaz. vol. 202; p. 312.
- Frank & Meyer Neckwear Company, St. Louis, Mo. Mufflers. No. 99,091; Aug. 18; Gaz. vol. 205; p. 1015.
- Frank, Richard, New York, N. Y. Cranberry products used in fountain-drinks. No. 96,959; May 12; Gaz. vol. 202; p. 628.
- Frankel, Albert H., New York, N. Y. Covered glass pitchers, bottles, jugs, jars, and tankards. No. 99,726; Sept. 15; Gaz. vol. 206; p. 870.
- Frankel, Frank & Co., Kansas City, Mo. Hats, bonnets, and caps. No. 98,865; Aug. 4; Gaz. vol. 205; p. 301.
- Franken & Frank, New York, N. Y. Crape piece goods. No. 100,796; Oct. 27; Gaz. vol. 207; p. 1242.
- Franklin Baker Company, The, Philadelphia, Pa. Shredded cocoanut. No. 95,198; Feb. 3; Gaz. vol. 199; p. 301.
- Franklin Caro Co., Richmond, Va. Chewing-gum. No. 99,871; Sept. 22; Gaz. vol. 206; p. 1158.
- Franklin Knitting Mills, New York, N. Y. Knitted cloth or fabric. No. 95,419; Feb. 17; Gaz. vol. 199; p. 934.
- Franklin Mfg. Co., Baltimore, Md. Cotton piece goods. No. 95,534; Feb. 24; Gaz. vol. 199; p. 1240.
- Franklin Oil & Gas Company, Bedford, Ohio. Lubricating-oils. No. 98,654; July 28; Gaz. vol. 204; p. 1340.
- Franklin Process Company, Providence, R. I. Dyeing-machines. No. 94,900; Jan. 13; Gaz. vol. 198; p. 490.
- Franqui, Ramon P., New York, N. Y. Toilet soap. No. 99,872; Sept. 22; Gaz. vol. 206; p. 1158.
- Frazier & Bachmann, Knowlton, Pa. Polishing-powder for glass and metals. No. 96,960; May 12; Gaz. vol. 202; p. 628.
- Frazier, George W., New York, N. Y. Rubber vaginal douche. No. 98,380; July 14; Gaz. vol. 204; p. 670.
- Freck, Harry M., Columbus, Ohio. Remedy for epilepsy. No. 96,879; May 5; Gaz. vol. 202; p. 312.
- Frederick F. Ingram Co., Detroit, Mich. Face-powders. No. 96,139; Apr. 7; Gaz. vol. 201; p. 262.
- Frederick F. Ingram Co., Detroit, Mich. Face-powders. No. 97,771; June 16; Gaz. vol. 203; p. 924.
- Frederick Ludlam Co., New York, N. Y. Fertilizers. Nos. 98,300-1; July 7; Gaz. vol. 204; p. 314.
- Frederick Stearns & Co., Detroit, Mich. Perfumes, face-powders, and toilet waters. No. 100,443; Oct. 20; Gaz. vol. 207; p. 925.
- Frederick W. Lipps Company, of Baltimore City, The, Baltimore, Md. Candy. No. 99,760; Sept. 15; Gaz. vol. 206; p. 871.
- Freedom Oil Works Co., The, Freedom, Pa. Certain named oils and greases, both crude and refined. No. 95,535; Feb. 24; Gaz. vol. 199; p. 1240.
- Freeman, Miller, Seattle, Wash. Weekly publication. Nos. 101,150-1; Nov. 17; Gaz. vol. 208; p. 980.
- Freeman, Miller, Seattle, Wash. Farming journal. No. 101,152; Nov. 17; Gaz. vol. 208; p. 980.
- Freidenrich, Maurice B., New York, N. Y. Certain named athletic goods. No. 97,134; May 19; Gaz. vol. 202; p. 948.
- French Fondant Co., Philadelphia, Pa. Prepared icing. No. 97,966; June 30; Gaz. vol. 203; p. 1550.
- French Fondant Co., Philadelphia, Pa. Prepared icings and fondant-creams. No. 98,506; July 21; Gaz. vol. 204; p. 1006.
- Freudenthal, Heinrich, Hamburg, Germany. Hominy feed. No. 96,580; Apr. 21; Gaz. vol. 201; p. 900.
- Frick Bros., New Iberia, La. Canned fruits and vegetables. No. 99,967; Sept. 29; Gaz. vol. 206; p. 1432.
- Fried, Joseph H., Montgomery, Ala. Metal-polish. No. 100,318; Oct. 20; Gaz. vol. 207; p. 921.
- Fried, Krupp, Aktiengesellschaft, Grusonwerk, Magdeburg-Buckau, Germany. Certain named machines and parts. No. 98,143; July 7; Gaz. vol. 204; p. 310.

Alphabetical list of registrants of trade-marks—Continued.

- Friedland Bros. Bottling Works, Phillipsburg, N. J. Non-intoxicating tonic beverages and syrups for making same. No. 99,045; Aug. 11; Gaz. vol. 205; p. 659.
- Friedman, Israel, New York, N. Y. Men's neckwear. No. 99,454; Sept. 1; Gaz. vol. 206; p. 308.
- Frisbie, Chauncey O., Chicago, Ill. Wood-fiber wall-board. No. 99,455; Sept. 1; Gaz. vol. 206; p. 308.
- Fritz, Ray J., Philadelphia, Pa. Headache-powder. No. 98,945; Aug. 11; Gaz. vol. 205; p. 656.
- Fritzsche & Co., Franz, Hamburg, Germany. Perfumes. No. 96,581; Apr. 21; Gaz. vol. 201; p. 900.
- Frog Switch & Manufacturing Company, The, Carlisle, Pa. Manganese-steel castings. No. 99,007; Aug. 11; Gaz. vol. 205; p. 657.
- Frohe, Ferdinand A., Buffalo, N. Y. Washing compound. No. 97,473; June 9; Gaz. vol. 203; p. 595.
- Frolaset Corset Company, Detroit, Mich. Corsets. No. 97,048; May 19; Gaz. vol. 202; p. 945.
- Frolaset Corset Company, Detroit, Mich. Corsets. Nos. 97,763-4; June 16; Gaz. vol. 203; p. 924.
- Frost, Augustine L., Minneapolis, Minn. Entire-wheat bread. No. 100,202; Oct. 13; Gaz. vol. 207; p. 605.
- Fruit Puddine Co., The, Baltimore, Md. Farinaceous compound with fruit flavorings. No. 99,574; Sept. 8; Gaz. vol. 206; p. 584.
- Fruit Puddine Co., The, Baltimore, Md. Farinaceous compound with fruit flavorings. No. 100,701; Oct. 20; Gaz. vol. 207; p. 933.
- Fruitland Orchards, Inc., Staunton, Va. Fresh apples and peaches. No. 100,537; Oct. 20; Gaz. vol. 207; p. 928.
- Fry, Roger E., London, England. Decorative textile fabrics. No. 101,255; Nov. 17; Gaz. vol. 208; p. 983.
- Frye & Co., E. M., Harrington, Me. Canned blueberries. No. 99,046; Aug. 11; Gaz. vol. 205; p. 659.
- Fucini, Enrico, New York, N. Y. Wines. No. 99,149; Aug. 18; Gaz. vol. 205; p. 1017.
- Fuerst & Kraemer, Ltd., New Orleans, La. Candy. No. 100,203; Oct. 13; Gaz. vol. 207; p. 605.
- Fuhr, L. C., Dennison, Ohio. Preparation for the treatment of cholera infantum. No. 96,127; Apr. 7; Gaz. vol. 201; p. 262.
- Fuller, Alfred C., Hartford, Conn. Scouring and cleaning brushes, dusters, and mops. No. 95,537; Feb. 24; Gaz. vol. 199; p. 1240.
- Fuller Canneries Company, The, Cleveland, Ohio, and South Dayton, N. Y. Canned vegetables. No. 100,971; Nov. 3; Gaz. vol. 208; p. 334.
- Fuller & Johnson Manufacturing Company, Madison, Wis. Gasolene pumping engines. No. 99,969; Sept. 29; Gaz. vol. 206; p. 1432.
- Fulston Clip Co., Yonkers, N. Y., and Chicago, Ill. Clothes-marking clips. No. 96,006; Mar. 31; Gaz. vol. 200; p. 1386.
- Fulton Bag & Cotton Mills, Atlanta, Ga. Deodorant. No. 95,754; Mar. 10; Gaz. vol. 200; p. 577.
- Fulton Bag & Cotton Mills, Atlanta, Ga. Fireproof textiles. No. 95,755; Mar. 10; Gaz. vol. 200; p. 578.
- Fulton Bag & Cotton Mills, Atlanta, Ga. Disinfectant. No. 97,414; June 2; Gaz. vol. 203; p. 300.
- Fulton Bag & Cotton Mills, Atlanta, Ga. Insecticide. No. 97,415; June 2; Gaz. vol. 203; p. 300.
- Fulton Bag & Cotton Mills, Atlanta, Ga. Disinfectants. No. 98,275; July 7; Gaz. vol. 204; p. 314.
- Fyro Extinguisher Company, Syracuse, N. Y. Fire-extinguishers. No. 95,421; Feb. 17; Gaz. vol. 199; p. 934.
- G. Garnett & Sons, Limited, Apperley Bridge, near Bradford, England. Worsted and cotton piece goods. No. 95,826; Mar. 17; Gaz. vol. 200; p. 853.
- G. Heileman Brewing Co., La Crosse, Wis. Beer. No. 99,098; Aug. 18; Gaz. vol. 205; p. 1015.
- G. Piel Company, The, New York and Long Island City, N. Y. Horns for automobiles, boats, and aeroplanes. No. 94,826; Jan. 6; Gaz. vol. 198; p. 236.
- G. Washington Coffee Refining Company, New York, N. Y. Powdered food-flavoring. No. 100,926; Oct. 27; Gaz. vol. 207; p. 1246.
- G. A. Kelly Plow Company, Longview, Tex. Plows. Nos. 95,545-6; Feb. 24; Gaz. vol. 199; p. 1240.
- G. B. Farrington Company, New York, N. Y. Teas. No. 100,111; Oct. 6; Gaz. vol. 207; p. 294.
- G. F. Heublein & Bro., Hartford, Conn. Gin. No. 92,292; Apr. 14; Gaz. vol. 201; p. 565.
- G. F. Heublein & Bro., Hartford, Conn. Olive-oil. No. 99,740; Sept. 15; Gaz. vol. 206; p. 871.
- G. F. Whitney Company, Boston, Mass. Lubricating oils and greases. No. 97,301; May 26; Gaz. vol. 202; p. 1256.
- G. G. Chemical Corporation, The, New York, N. Y. Disinfectant. No. 101,444; Dec. 15; Gaz. vol. 209; p. 1059.
- G. H. Schoellkopf Saddlery Co., Dallas, Tex. Certain named horse equipments. No. 97,278; May 26; Gaz. vol. 202; p. 1255.
- G. V. S. Quackenbush & Co., Troy, N. Y. Hosiery. No. 98,418; July 14; Gaz. vol. 204; p. 671.
- Gaffney Brothers, New York, N. Y. Wheat-bran. No. 95,422; Feb. 17; Gaz. vol. 199; p. 934.
- Gaffney Brothers, New York, N. Y. Washing fluid. No. 98,507; July 21; Gaz. vol. 204; p. 1006.
- Galban & Co., Inc., New York, N. Y. Sugar. No. 96,124; Apr. 7; Gaz. vol. 201; p. 262.
- Galban & Co. Inc., New York, N. Y. Sugar. No. 97,608; June 16; Gaz. vol. 203; p. 919.
- Galena-Signal Oil Company, Franklin, Pa. Lubricating and illuminating oils. No. 97,326; June 2; Gaz. vol. 203; p. 297.
- Galesburg Coulter-Disc Co., Galesburg, Ill. Certain parts for certain agricultural implements. No. 96,269; Apr. 14; Gaz. vol. 201; p. 564.
- Galey & Lord, New York, N. Y. Piece goods made from cotton and chemically-treated wood fiber. No. 101,042; Nov. 10; Gaz. vol. 208; p. 651.
- Gallagher, John P., Philadelphia, Pa. Certain named materials for steam, air, ammonia, hydraulic, and metallic packings. No. 99,873; Sept. 22; Gaz. vol. 206; p. 1158.
- Gallert, Hyman, New York, N. Y. Hand-bags. No. 95,312; Feb. 10; Gaz. vol. 199; p. 612.
- Gallet, Pellerin et Cie., Paris, France. Pastes, powders, and perfumery. No. 96,880; May 5; Gaz. vol. 202; p. 312.
- Galusha Stove Company, Rochester, N. Y. Cooking stoves and ranges, parlor-heaters, and furnaces. No. 99,456; Sept. 1; Gaz. vol. 206; p. 308.
- Gamble, Richard W., Norfolk, Va. Fertilizer. No. 97,233; May 26; Gaz. vol. 202; p. 1254.
- Gammill, Grover G., Ashdown, Ark. Explosive-powder. No. 94,902; Jan. 13; Gaz. vol. 198; p. 490.
- Gans Brothers, New York, N. Y. Cigars. No. 99,874; Sept. 22; Gaz. vol. 206; p. 1158.
- Gant, John Q., Glen Raven, N. C. Canvas, duck, and cloth for making awnings and tents. No. 97,833; June 23; Gaz. vol. 203; p. 1256.
- Garbini e Figli, F., assignor to L. Garbini, Lucca, Italy. Olive-oil. No. 99,573; Sept. 8; Gaz. vol. 206; p. 584.
- Garbini, Luigi. (See Garbini e Figli, F., assignor.)
- Garcia, Antonio P., New York, N. Y. Mineral water. No. 101,377; Dec. 8; Gaz. vol. 209; p. 679.
- Gardner, George A., et al., trustees. (See Amoskeag Manufacturing Company, assignor.)
- Gardner, John H., San Jose, Cal. Puncture-proof compound. No. 96,270; Apr. 14; Gaz. vol. 201; p. 564.
- Garinkle, Julius, Washington, D. C. Gloves. No. 95,215; Feb. 3; Gaz. vol. 199; p. 302.
- Gargaro, J. L., Memphis, Tenn. Compound for restoring gray hair to color. No. 101,280; Nov. 24; Gaz. vol. 208; p. 1351.
- Garrod, Albert A., New York, N. Y. Shoes. No. 100,538; Oct. 20; Gaz. vol. 207; p. 928.
- Gassaway, Eugene G., Fort Worth, Tex. Liniment, salve, and blood-purifier. No. 101,281; Nov. 24; Gaz. vol. 208; p. 1351.
- Gassaway, Minnie Q., Greenville, S. C. Non-alcoholic carbonated beverage and syrup for making same. No. 99,092; Aug. 18; Gaz. vol. 205; p. 1015.
- Gautier Frères, Aigre, France. Brandy. Nos. 96,125-6; Apr. 7; Gaz. vol. 201; p. 262.
- Gauvreau, Joseph R. L., Montreal, Quebec, Canada, and Woonsocket, R. I., assignor to L. F. Robert, Montreal, Quebec, Canada. Insecticide-powder. No. 98,946; Aug. 11; Gaz. vol. 205; p. 656.
- Gay, John A., Aberdeen, Miss. Remedy for chills, fever, and malaria. No. 98,761; Aug. 4; Gaz. vol. 205; p. 298.
- Gebr. Dix, Untermyhaus-Gera, Germany. Harmonium-tongues. No. 98,755; Aug. 4; Gaz. vol. 205; p. 297.
- Geer, Geo. J., New York, N. Y. Certain named textile fabrics. No. 97,693; June 16; Gaz. vol. 203; p. 922.
- Gehe & Co. Aktiengesellschaft, Dresden, Germany. Malt extracts. No. 98,508; July 21; Gaz. vol. 204; p. 1006.
- Gehe & Co., Aktiengesellschaft, Dresden, Germany. Malt extracts. No. 100,797; Oct. 27; Gaz. vol. 207; p. 1242.
- Gehrum, Louis A., Detroit, Mich. Foot-powder. No. 99,970; Sept. 29; Gaz. vol. 206; p. 1432.
- Gelfman Grocery Co., Springfield, Mass. Catsup, cocoa, canned vegetables, &c. No. 94,903; Jan. 13; Gaz. vol. 198; p. 490.
- Gem Chemical Co., Washington, D. C. Insecticide and disinfectant. No. 100,972; Nov. 3; Gaz. vol. 208; p. 334.
- Gem Fountain Pen Corporation, New York, N. Y. Fountain-pens and parts. No. 99,727; Sept. 15; Gaz. vol. 206; p. 870.
- Gem Fountain Pen Corporation, New York, N. Y. Fountain-pens and the parts thereof. No. 99,875; Sept. 22; Gaz. vol. 206; p. 1158.
- Gem Supplies Co. Ltd., London, England. Certain named paper and stationery supplies. No. 99,876; Sept. 22; Gaz. vol. 206; p. 1158.
- General Composing Company, Gesellschaft mit beschränkter Haftung, Berlin, Germany. Certain named machines and parts thereof. No. 97,834; June 23; Gaz. vol. 203; p. 1256.
- General Dehydrator Company, New York, N. Y. Dehydrating machinery. No. 97,234; May 26; Gaz. vol. 202; p. 1254.
- General Electric Company, Schenectady, N. Y. Electric incandescent lamps. No. 95,827; Mar. 17; Gaz. vol. 200; p. 853.
- General Electric Company, Schenectady, N. Y. Glass lamps, columns, bases, globes, &c. No. 99,728; Sept. 15; Gaz. vol. 206; p. 870.

- General Electric Company, Schenectady, N. Y. Glass lamps, globes, shades, &c. Nos. 101,153-4; Nov. 17; Gaz. vol. 208; p. 980.
- General Fire Extinguisher Company, New York, N. Y., and Providence, R. I. Pipe-fittings and metal valves. No. 97,327; June 2; Gaz. vol. 203; p. 297.
- General Fireproofing Co., The, Youngstown, Ohio. Chemical dry, paste, and ready-mixed paints. No. 101,282; Nov. 24; Gaz. vol. 208; p. 1351.
- General Fireproofing Co., The, Youngstown, Ohio. Metallic filing cases and cabinets, both sectional and solid. No. 101,513; Dec. 22; Gaz. vol. 209; p. 1313.
- General Oil Manufacturing Company, New York, N. Y. Lubricating oils and greases. No. 98,509; July 21; Gaz. vol. 204; p. 1006.
- General Optical Company, Inc., New York, N. Y. Certain named instruments and appliances used by oculists. No. 97,235; May 26; Gaz. vol. 202; p. 1254.
- General Roofing Manufacturing Co., East St. Louis, Ill. Deadening and roofing felts, building and roofing papers, and ready roofing. No. 100,973; Nov. 3; Gaz. vol. 208; p. 334.
- General Sanitation Corporation, New York, N. Y. Disinfecting and deodorizing containers. Nos. 97,531-2; June 9; Gaz. vol. 203; p. 597.
- General Vehicle Company Inc., Rotterdam and Long Island City, N. Y. Electric vehicles. Nos. 96,271-2; Apr. 14; Gaz. vol. 201; p. 564.
- Geneva Manufacturing Co., Geneva, Ill. Children's sulkies. No. 95,423; Feb. 17; Gaz. vol. 199; p. 934.
- Gent, Frederick W., Providence, R. I. Hair-restorer. No. 94,810; Jan. 6; Gaz. vol. 198; p. 235.
- Geo. A. Hormel & Co., Austin, Minn. Butter, cheese, eggs, and poultry. No. 101,517; Dec. 22; Gaz. vol. 209; p. 1313.
- Geo. Borgfeldt & Co., New York, N. Y. Enameled steel-ware. No. 94,980; Jan. 20; Gaz. vol. 198; p. 699.
- Geo. Borgfeldt & Co., New York, N. Y. Hair-nets. No. 95,202; Feb. 3; Gaz. vol. 199; p. 301.
- Geo. Borgfeldt & Co., New York, N. Y. Certain named toys. No. 95,291; Feb. 10; Gaz. vol. 199; p. 611.
- Geo. Borgfeldt & Co., New York, N. Y. Trays and boxes made of certain named materials. No. 95,292; Feb. 10; Gaz. vol. 199; p. 611.
- Geo. Borgfeldt & Co., New York, N. Y. Hair-brushes composed wholly or in part of pyroxylin. No. 95,293; Feb. 10; Gaz. vol. 199; p. 611.
- Geo. Borgfeldt & Co., New York, N. Y. White enameled furniture for children's rooms. No. 95,392; Feb. 17; Gaz. vol. 199; p. 933.
- Geo. Borgfeldt & Co., New York, N. Y. Celluloid combs and certain named articles not composed of precious metal. No. 95,393; Feb. 17; Gaz. vol. 199; p. 933.
- Geo. Borgfeldt & Co., New York, N. Y. Certain named toys composed wholly or in part of pyroxylin. No. 95,879; Mar. 24; Gaz. vol. 200; p. 1109.
- Geo. Borgfeldt & Co., New York, N. Y. Certain named games and toys. No. 95,880; Mar. 24; Gaz. vol. 200; p. 1109.
- Geo. Borgfeldt & Co., New York, N. Y. Enameled ware. No. 95,881; Mar. 24; Gaz. vol. 200; p. 1109.
- Geo. Borgfeldt & Co., New York, N. Y. China and earthenware sets for children. No. 95,979; Mar. 31; Gaz. vol. 200; p. 1385.
- Geo. Borgfeldt & Co., New York, N. Y. Certain named articles composed of china or porcelain. No. 95,980; Mar. 31; Gaz. vol. 200; p. 1385.
- Geo. Borgfeldt & Co., New York, N. Y. Dolls, toys, roly-polies, jumping-jacks, &c. No. 96,096; Apr. 7; Gaz. vol. 201; p. 261.
- Geo. Borgfeldt & Co., New York, N. Y. Cut glass. No. 96,778; May 5; Gaz. vol. 202; p. 309.
- Geo. Borgfeldt & Co., New York, N. Y. Certain named textile fabrics. No. 96,862; May 5; Gaz. vol. 202; p. 311.
- Geo. Borgfeldt & Co., New York, N. Y. Hair-nets. No. 96,863; May 5; Gaz. vol. 202; p. 311.
- Geo. Borgfeldt & Co., New York, N. Y. Certain named musical instruments. No. 96,935; May 12; Gaz. vol. 202; p. 627.
- Geo. Borgfeldt & Co., New York, N. Y. Certain named fancy goods and notions. No. 97,036; May 19; Gaz. vol. 202; p. 945.
- Geo. Borgfeldt & Co., New York, N. Y. Chinaware or porcelain. No. 97,037; May 19; Gaz. vol. 202; p. 945.
- Geo. Borgfeldt & Co., New York, N. Y. Enameled ware. No. 97,117; May 19; Gaz. vol. 202; p. 947.
- Geo. Borgfeldt & Co., New York, N. Y. Dolls. No. 97,118; May 19; Gaz. vol. 202; p. 947.
- Geo. Borgfeldt & Co., New York, N. Y. Fabric gloves. No. 97,522; June 9; Gaz. vol. 203; p. 597.
- Geo. Borgfeldt & Co., New York, N. Y. Fabric gloves. No. 97,674; June 16; Gaz. vol. 203; p. 921.
- Geo. Borgfeldt & Co., New York, N. Y. Dolls. Nos. 97,811-14; June 23; Gaz. vol. 203; p. 1255.
- Geo. Borgfeldt & Co., New York, N. Y. Certain named paper and stationery supplies. No. 98,038; June 30; Gaz. vol. 203; p. 1552.
- Geo. Borgfeldt & Co., New York, N. Y. Knives, scissors, and shears. No. 98,124; July 7; Gaz. vol. 204; p. 309.
- Geo. Borgfeldt & Co., New York, N. Y. Certain named leather articles. No. 98,624; July 28; Gaz. vol. 204; p. 1339.
- Geo. Borgfeldt & Co., New York, N. Y. Aluminum hot-water bottles of a therapeutic character. No. 98,742; Aug. 4; Gaz. vol. 205; p. 297.
- Geo. Borgfeldt & Co., New York, N. Y. Certain named paper and stationery supplies. No. 100,194; Oct. 13; Gaz. vol. 207; p. 605.
- Geo. Borgfeldt & Co., New York, N. Y. Military hair-brushes. No. 100,254; Oct. 20; Gaz. vol. 207; p. 919.
- Geo. Borgfeldt & Co., New York, N. Y. Dolls. No. 100,255; Oct. 20; Gaz. vol. 207; p. 919.
- Geo. Borgfeldt & Co., New York, N. Y. Hair, tooth, and nail brushes. No. 100,256; Oct. 20; Gaz. vol. 207; p. 919.
- Geo. Borgfeldt & Co., New York, N. Y. Soap. No. 101,091; Nov. 10; Gaz. vol. 208; p. 653.
- Geo. D. Witt Shoe Co., Lynchburg, Va. Leather boots and shoes. No. 100,680; Oct. 20; Gaz. vol. 207; p. 932.
- Geo. F. Wiemann Co., The, New York, N. Y. Coffee. No. 96,845; May 5; Gaz. vol. 202; p. 311.
- Geo. H. Morrill Co., Boston, Mass. Printing and lithographing ink, dry colors, and carbon. No. 98,308; July 7; Gaz. vol. 204; p. 315.
- Geo. J. Kelly Co., Haverhill and Lynn, Mass. Russia-leather shoe-polish. No. 95,766; Mar. 10; Gaz. vol. 200; p. 578.
- Geo. J. Kelly Co., Haverhill and Lynn, Mass. Black shoe-polish. No. 96,302; Apr. 14; Gaz. vol. 201; p. 565.
- Geo. J. Kelly Co., Haverhill and Lynn, Mass. Cleaner or whitener for white buck or canvas shoes. No. 96,303; Apr. 14; Gaz. vol. 201; p. 565.
- Geo. P. Braun Co., Chicago, Ill. Oleomargarin. No. 94,876; Jan. 13; Gaz. vol. 198; p. 489.
- Geo. S. Cox & Bro., Inc., Philadelphia, Pa. Interlining for garments. No. 94,986; Jan. 20; Gaz. vol. 198; p. 699.
- Geo. S. Johnston Company, Chicago, Ill. Eyeglass-reels. No. 98,533; July 21; Gaz. vol. 204; p. 1007.
- Geo. W. Blabon Company, The, Philadelphia, Pa. Linoleum floor-cloth. No. 101,358; Dec. 8; Gaz. vol. 209; p. 679.
- Geo. W. Caswell Co., San Francisco, Cal. Tea. No. 96,102; Apr. 7; Gaz. vol. 201; p. 261.
- Geo. W. Horner and Company, Limited, Chester-le-Street, England. Bonbons, toffees, caramels, &c. No. 101,164; Nov. 17; Gaz. vol. 208; p. 980.
- Geo. W. Wheelwright Paper Company, Boston, Mass. Bristol-board. No. 95,184; Feb. 3; Gaz. vol. 199; p. 301.
- George Ast Candy Co., The, Cincinnati, Ohio. Candy, chewing-gum, peanut and popcorn confections. No. 95,195; Feb. 3; Gaz. vol. 199; p. 301.
- George Blome & Son Co., The, Baltimore, Md. Candy cough-drops. No. 98,471; July 21; Gaz. vol. 204; p. 1005.
- George Borgfeldt & Co., New York, N. Y. Alarm-clocks. No. 99,686; Sept. 15; Gaz. vol. 206; p. 869.
- George Borgfeldt & Co., New York, N. Y. Certain named furnishings, notions, and fancy goods. No. 100,257; Oct. 20; Gaz. vol. 207; p. 919.
- George Borgfeldt & Co., New York, N. Y. Dolls. No. 100,758; Oct. 27; Gaz. vol. 207; p. 1241.
- George C. Lynch Company, New York, N. Y. Metal jardinières, vases, and ferneries. No. 95,773; Mar. 10; Gaz. vol. 200; p. 578.
- George C. Whitney Co., Worcester, Mass. Christmas, Easter, &c., cards, prints, and valentines. No. 97,022; May 12; Gaz. vol. 202; p. 629.
- George Close Company, Cambridge, Mass. Chocolate candy. No. 99,696; Sept. 15; Gaz. vol. 206; p. 869.
- George & Co., Baltimore, Md. Lard substitute. No. 95,538; Feb. 24; Gaz. vol. 199; p. 1240.
- George E. Marsh Company, Portland, Me., and Lynn, Mass. Soap in bars or cakes. No. 96,314; Apr. 14; Gaz. vol. 201; p. 566.
- George, James M., Amarillo, Tex. Catarrh medicine. No. 99,729; Sept. 15; Gaz. vol. 206; p. 870.
- George Lueders & Co., New York, N. Y. Olive-oil. No. 97,988; June 30; Gaz. vol. 203; p. 1550.
- George Lueders & Co., New York, N. Y. Perfumery. No. 100,365; Oct. 20; Gaz. vol. 207; p. 923.
- George Newnes Limited, London, England, and New York, N. Y. Monthly magazine, (American edition.) Nos. 96,822-3; May 5; Gaz. vol. 202; p. 310.
- George Starr White, Inc., Yonkers, N. Y.; Reno, Nev., and Danbury, Conn. Artificially-soured milk and cultures for making same. No. 96,478; Apr. 21; Gaz. vol. 201; p. 897.
- George Starr White, Incorporated, Yonkers, N. Y.; Danbury, Conn., and Los Angeles, Cal. Disinfectants. No. 101,062; Nov. 10; Gaz. vol. 208; p. 652.
- George W. Preston Company, Bridgeton, N. J. Turkish toweling and terry fabrics in the piece. No. 95,147; Feb. 3; Gaz. vol. 199; p. 300.
- George Worthington Company, The, Cleveland, Ohio. Hammocks. No. 95,970; Mar. 24; Gaz. vol. 200; p. 1112.

Alphabetical list of registrants of trade-marks—Continued.

- Georgia Medicine Co., Wrightsville, Ga. White liniment and colic remedy. No. 99,388; Aug. 25; Gaz. vol. 205; p. 1321.
- Georgia Medicine Co., Wrightsville, Ga. Remedy for liver and stomach troubles. No. 99,971; Sept. 29; Gaz. vol. 206; p. 1432.
- Georgiades, Soperios J., Atlanta, Ga. Cigars and cigarettes. No. 98,762; Aug. 4; Gaz. vol. 205; p. 298.
- Gerhardt & Co., Jacob, New York, N. Y. Negligée and sporting shirts. No. 99,008; Aug. 11; Gaz. vol. 205; p. 657.
- Gerhardt, Henry, Hazleton, Pa. Shirts. No. 98,510; July 21; Gaz. vol. 204; p. 1006.
- German-American Stoneware Works, The, New York, N. Y. Certain acid-proof chemical stoneware. No. 95,313; Feb. 10; Gaz. vol. 199; p. 612.
- German-American Stoneware Works, New York, N. Y. Earthenware laboratory apparatus. No. 95,539; Feb. 24; Gaz. vol. 199; p. 1240.
- Germania Importing Co., New York, N. Y. Linoleums. No. 99,575; Sept. 8; Gaz. vol. 206; p. 584.
- Germania Importing Company, New York, N. Y. Fuses. No. 99,457; Sept. 1; Gaz. vol. 206; p. 308.
- Gerstendorfer Bros., New York, N. Y. Enamels, stains, and carriage-colors. No. 98,947; Aug. 11; Gaz. vol. 205; p. 656.
- Gerstendorfer Bros., New York, N. Y. Certain named paints and painters' materials. No. 101,573; Dec. 29; Gaz. vol. 209; p. 1687.
- Gestetner, David, London, England. Stencil-duplicating apparatus and papers used therewith. No. 98,763; Aug. 4; Gaz. vol. 205; p. 298.
- Getz Bros. & Co., San Francisco, Cal. Canned fruits and vegetables. No. 96,407; Apr. 21; Gaz. vol. 201; p. 895.
- Geveshausen, Minnie, Arbuckle, Cal. Hair-tonic. No. 98,948; Aug. 11; Gaz. vol. 205; p. 656.
- Giant Tire & Rubber Company, Omaha, Nebr. Rubber tubes for pneumatic tires. No. 100,798; Oct. 27; Gaz. vol. 207; p. 1242.
- Gibbons, John T., New Orleans, La. Molasses feed for horses, mules, and cattle. No. 95,617; Mar. 3; Gaz. vol. 200; p. 274.
- Gibbs-Brown Oil and Gasoline Company, St. Louis, Mo. Lubricating and mineral oils. No. 98,381; July 14; Gaz. vol. 204; p. 670.
- Gibbs-Brown Oil and Gasoline Company, St. Louis, Mo. Lubricating-oils. No. 98,511; July 21; Gaz. vol. 204; p. 1006.
- Gibford-Weiffenbach Company, The, Adrian, Mich. Razorstrops. No. 96,661; Apr. 28; Gaz. vol. 201; p. 1214.
- Gibford-Weiffenbach Company, The, Adrian, Mich. Razorstrops. No. 100,319; Oct. 20; Gaz. vol. 207; p. 921.
- Gibson Distilling Company, Philadelphia, Pa. Copper-distilled whisky. No. 97,533; June 9; Gaz. vol. 203; p. 597.
- Gibson, George G., Philadelphia, Pa. Preparation for the treatment of headache and rheumatism. No. 98,512; July 21; Gaz. vol. 204; p. 1006.
- Gibson's Limited, Vancouver, British Columbia, Canada. Wire rope and cables. No. 94,811; Jan. 6; Gaz. vol. 198; p. 235.
- Gibson's Limited, Vancouver, British Columbia, Canada. Belting for machinery. No. 95,091; Feb. 3; Gaz. vol. 199; p. 298.
- Giffoni, Francisco, Rio de Janeiro, Brazil. Hair-restoring and antiseptic lotion. No. 97,765; June 16; Gaz. vol. 203; p. 924.
- Gilbert Toilet Company, Beatrice, Nebr. Hand-lotion, face-bleach, hair-tonic, and massage-cream. No. 97,135; May 19; Gaz. vol. 202; p. 948.
- Gilkes, Viola V., Philadelphia, Pa. Automobile truss-rods. No. 98,513; July 21; Gaz. vol. 204; p. 1007.
- Gill Brothers Company, Steubenville, Ohio. Reflector-shades, shades, globes, and reflectors. No. 98,144; July 7; Gaz. vol. 204; p. 310.
- Gillespie, Shields & Co., Knoxville, Tenn. Men's trousers. No. 100,539; Oct. 20; Gaz. vol. 207; p. 928.
- Gillinder & Sons Inc., Philadelphia, Pa. Certain named articles made of glass. No. 96,662; Apr. 28; Gaz. vol. 201; p. 1214.
- Gillinder & Sons, Inc., Philadelphia, Pa. Glass lamp globes, shades, reflectors, bodies, and chimneys. No. 100,799; Oct. 27; Gaz. vol. 207; p. 1242.
- Gillott & Sons, Joseph, Birmingham, England, and New York, N. Y. Steel pens. Nos. 96,663-6; Apr. 28; Gaz. vol. 201; p. 1214.
- Gilmor & Harrison, Baltimore, Md. Cigarettes and smoking-tobacco. No. 101,283; Nov. 24; Gaz. vol. 208; p. 1351.
- Gin-Gera Company, Inc., The, Norfolk, Va. Non-alcoholic soda beverage. No. 97,835; June 23; Gaz. vol. 203; p. 1256.
- Ginsberg, Firm of J. F., Niederschöneweide, near Berlin, Germany. Unworked base metals. No. 97,766; June 16; Gaz. vol. 203; p. 924.
- Giunta and Son, Pasquale, Philadelphia, Pa. Olive-oil. No. 98,276; July 7; Gaz. vol. 204; p. 314.
- Giusiana, Firm of F. D., Turin, Italy. Liquors. No. 98,764; Aug. 4; Gaz. vol. 205; p. 298.
- Glahn & Son, Henry von, Brooklyn, N. Y. Butter and eggs. No. 95,724; Mar. 3; Gaz. vol. 200; p. 277.
- Glahn & Son, Henry von, Brooklyn, N. Y. Monthly publications. No. 98,341; July 7; Gaz. vol. 204; p. 316.
- Glass, Frederick, Madison, Ind. Candies. No. 99,972; Sept. 29; Gaz. vol. 206; p. 1432.
- Glatfelter, William L., Spring Grove, Pa. Milk and cream and cream alone. No. 99,973; Sept. 29; Gaz. vol. 206; p. 1432.
- Gleason, Chas. K., Philadelphia, Pa. Mercerized cotton piece goods. No. 99,576; Sept. 8; Gaz. vol. 206; p. 584.
- Glencoe Mills, The, Burlington, N. C. Certain named textile fabrics. No. 97,049; May 19; Gaz. vol. 202; p. 945.
- Globe Manufacturing Co., The, Peoria, Ill. Paints and varnishes. No. 97,236; May 26; Gaz. vol. 202; p. 1254.
- Globe Manufacturing Company, Perry, Iowa. Laundry-washing machines and washing-machine wringers. No. 98,765; Aug. 4; Gaz. vol. 205; p. 298.
- Globe Soap Company, The, Cincinnati, Ohio. Soap, soap and washing powders. Nos. 95,757-8; Mar. 10; Gaz. vol. 200; p. 578.
- Gluck, Samuel, Wilmington, Del. Bread and zwieback. No. 96,128; Apr. 7; Gaz. vol. 201; p. 262.
- Glühstrumpfabrik Basel, Basel, Switzerland. Gas-mantle with attachments. No. 98,766; Aug. 4; Gaz. vol. 205; p. 298.
- Glühstrumpfabrik Basel, Basel, Switzerland. Gas-mantle with attachments. No. 100,749; Oct. 27; Gaz. vol. 207; p. 1241.
- Glyde, Barb W., Minburn, Iowa. Remedy for diseases of poultry. No. 94,904; Jan. 13; Gaz. vol. 198; p. 490.
- Goby Engine Company, The, Cleveland, Ohio. Internal-combustion engines. No. 97,136; May 19; Gaz. vol. 202; p. 948.
- Godfrey S. Mohn, New York, N. Y. Cigarettes. No. 99,766; Sept. 15; Gaz. vol. 206; p. 871.
- Godwin, William S., Baltimore, Md. Antiseptics. No. 99,975; Sept. 29; Gaz. vol. 206; p. 1432.
- Goenner & Co., Johnstown, Pa. Beer. Nos. 101,481-3; Dec. 15; Gaz. vol. 209; p. 1050.
- Goepel, Estate of Charles F.; F. J. Goepel, executrix, New York, N. Y. Certain named supplies for pianos and other musical instruments. No. 99,721; Sept. 15; Gaz. vol. 206; p. 870.
- Gohmann Bros. & Kahler Co., New Albany, Ind. Ranges, stoves, and furnaces. No. 96,273; Apr. 14; Gaz. vol. 201; p. 564.
- Gold Medal Stock Food Co., Perrysville, Ohio. Stock-tonics. No. 100,800; Oct. 27; Gaz. vol. 207; p. 1242.
- Gold Spring Distilling Co., St. Louis, Mo. Blended Scotch whisky. No. 101,380; Dec. 8; Gaz. vol. 209; p. 680.
- Goldberg, Bowen & Co., San Francisco, Cal. Baking-powder. No. 94,812; Jan. 6; Gaz. vol. 198; p. 235.
- Goldberg, Bowen & Co., San Francisco, Cal. Blended whisky, gin, and brandy. No. 94,905; Jan. 13; Gaz. vol. 198; p. 490.
- Goldberg, Bowen & Co., San Francisco, Cal. Baking-powder. No. 94,992; Jan. 20; Gaz. vol. 198; p. 699.
- Goldberg, Bowen & Co., San Francisco, Cal. Certain named foods. No. 96,667; Apr. 28; Gaz. vol. 201; p. 1214.
- Goldberg, Bowen & Co., San Francisco, Cal. Whisky, gin, brandy, and cocktails. No. 101,445; Dec. 15; Gaz. vol. 209; p. 1049.
- Goldberg, Bowen & Co., San Francisco, Cal. Blend of rye whisky. No. 101,574; Dec. 29; Gaz. vol. 209; p. 1687.
- Goldberg, Harry, New York, N. Y. Oil trousers, jackets, and coats. No. 100,540; Oct. 20; Gaz. vol. 207; p. 928.
- Goldberg, Firm of P., Edgewater, N. J. Preparation for the extermination of insects. No. 99,150; Aug. 18; Gaz. vol. 205; p. 1017.
- Golden Dawn Specific Co., Durant, Miss. Medicine for colds, grippe, and pulmonary troubles. No. 96,961; May 12; Gaz. vol. 202; p. 628.
- Golden Gate Packing Co., San Jose, Cal. Canned and preserved fruits and vegetables. No. 98,866; Aug. 4; Gaz. vol. 205; p. 301.
- Golden Pheasant, The, San Francisco, Cal. Candies. No. 99,299; Aug. 25; Gaz. vol. 205; p. 1318.
- Golden Pheasant, The, San Francisco, Cal. Candies, cakes, confectionery, &c. No. 100,204; Oct. 13; Gaz. vol. 207; p. 605.
- Goldenbergs, Washington, D. C. Children's play-suits. No. 99,300; Aug. 25; Gaz. vol. 205; p. 1318.
- Goldich, Philip, Philadelphia, Pa. Remedy for certain named diseases. No. 95,424; Feb. 17; Gaz. vol. 199; p. 934.
- Goldman & Salatsch, Vienna, Austria-Hungary. Air-moistening devices for use with radiators, stoves, &c. No. 101,155; Nov. 17; Gaz. vol. 208; p. 980.
- Goldsmith & Son, L., Newark, N. J., and New York, N. Y. Trunks. Nos. 96,274-5; Apr. 14; Gaz. vol. 201; p. 564.
- Goldsmith, Stern & Co., New York, N. Y. Certain articles made of gold and silver or plated with precious metal. No. 95,904; Mar. 24; Gaz. vol. 200; p. 1110.
- Goldstein Bros., Philadelphia, Pa. Waists and dresses. No. 100,801; Oct. 27; Gaz. vol. 207; p. 1242.
- Goldstein, Harry S., Philadelphia, Pa. Dental cream. No. 95,710; Mar. 3; Gaz. vol. 200; p. 276.
- Good Roads Machinery Company, The, Kennett Square, Pa. Certain named articles of machinery. No. 100,115; Oct. 6; Gaz. vol. 207; p. 294.

- Goodale Company, Kalamazoo, Mich. Certain named kitchen utensils. No. 96,668; Apr. 28; Gaz. vol. 201; p. 1214.
- Goodall Worsted Co., Sanford, Me., and New York, N. Y. Woolen piece goods. No. 97,416; June 2; Gaz. vol. 203; p. 300.
- Goodenough, Morris M., Jr., Seattle, Wash. Toilet cream. No. 101,156; Nov. 17; Gaz. vol. 208; p. 980.
- Goodman, Cohen & Co., New York, N. Y. Men's negligée and work shirts. No. 98,277; July 7; Gaz. vol. 204; p. 314.
- Goodman, Cohen & Co., New York, N. Y. Work and negligée shirts. No. 98,382; July 14; Gaz. vol. 204; p. 670.
- Goodman, Cohen & Co., New York, N. Y. Shirts. No. 100,320; Oct. 20; Gaz. vol. 207; p. 921.
- Goodman, Cohen & Co., New York, N. Y. Shirts. No. 100,541; Oct. 20; Gaz. vol. 207; p. 928.
- Goodman Collar Co., The, New York, N. Y. Shirts, collars, and pajamas. No. 96,582; Apr. 21; Gaz. vol. 201; p. 900.
- Goodman, Joseph, New York, N. Y. Corn and bunion plasters, foot-powders, &c. No. 100,802; Oct. 27; Gaz. vol. 207; p. 1243.
- Goodman, Thos. A., St. Louis, Mo. Cold and massage creams, face-powder, and peroxid of hydrogen. No. 99,577; Sept. 8; Gaz. vol. 206; p. 584.
- Goodrich Drug Co., Omaha, Nebr. Certain named toilet and chemical preparations. No. 95,425; Feb. 17; Gaz. vol. 199; p. 934.
- Goodrich Drug Co., Omaha, Nebr. Furniture-polish. No. 96,129; Apr. 7; Gaz. vol. 201; p. 262.
- Goodrich Drug Co., Omaha, Nebr. Certain named toilet preparations, tonic, and tablets. No. 96,508; Apr. 21; Gaz. vol. 201; p. 898.
- Goodwin, Emma E., New York, N. Y. Corset fabrics. No. 99,093; Aug. 18; Gaz. vol. 205; p. 1015.
- Goodyear Rubber Co., San Francisco, Cal. Rubber hose. No. 96,962; May 12; Gaz. vol. 202; p. 628.
- Goodyear Tire and Rubber Company, The, Akron, Ohio. Belting. Nos. 97,837-41; June 23; Gaz. vol. 203; p. 1256.
- Goodyear Tire and Rubber Company, The, Akron, Ohio. Belting. No. 101,514; Dec. 22; Gaz. vol. 209; p. 1313.
- Goodyear Tire and Rubber Company, Akron, Ohio. Rubber packing for machinery. No. 101,515; Dec. 22; Gaz. vol. 209; p. 1313.
- Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn. Rubber boots and shoes. No. 99,301; Aug. 25; Gaz. vol. 205; p. 1318.
- Goos-Olene Co., Superior, Wis. Remedy for sore throats, stiff necks, and chest pains. No. 99,730; Sept. 15; Gaz. vol. 206; p. 870.
- Goose Grease Company, Greensboro, N. C. Liniment. No. 96,583; Apr. 21; Gaz. vol. 201; p. 900.
- Gordon Distilling and Distributing Company, Union, N. J. Blend of straight whiskies and gins. No. 98,383; July 14; Gaz. vol. 204; p. 670.
- Gordon Electric & Mfg. Co., Chicago, Ill. Switches and sockets. No. 98,514; July 21; Gaz. vol. 204; p. 1007.
- Gordon & Ferguson, St. Paul, Minn. Fur coats, caps, gloves, scarfs, and muffs. No. 95,217; Feb. 3; Gaz. vol. 199; p. 302.
- Gordon, Sewall & Company, Houston, Tex. Canned fruits and canned cooked fish. No. 96,409; Apr. 21; Gaz. vol. 201; p. 895.
- Gordon-Thorne Co., The, Utica, N. Y. Toilet powder. No. 98,767; Aug. 4; Gaz. vol. 205; p. 298.
- Gorham Manufacturing Co., Providence, R. I. Silver-polish. No. 101,446; Dec. 15; Gaz. vol. 209; p. 1049.
- Gorly, Vincent J., St. Louis, Mo. Candied popcorn. No. 100,702; Oct. 20; Gaz. vol. 207; p. 933.
- Gory, Gaston J., Chicago, Ill. Certain named clothing for ladies, misses, and children. No. 95,218; Feb. 3; Gaz. vol. 199; p. 302.
- Goshen Shirt Manufacturing Company, Chicago, Ill. Negligée or soft overshirt. No. 96,276; Apr. 14; Gaz. vol. 201; p. 564.
- Goshen Shirt Manufacturing Company, Chicago, Ill. Work-shirts. No. 96,277; Apr. 14; Gaz. vol. 201; p. 564.
- Goss, Thomas, Wilkes-Barre, Pa. Cough-syrup. No. 98,278; July 7; Gaz. vol. 204; p. 314.
- Gossweiler, Carl. (See Deutsche Orbat-Gesellschaft mit beschränkter Haftung, assignor.)
- Gottlieb Bauernschmidt Straus Brewing Company, The, Baltimore, Md. Lager-beer. No. 100,633; Oct. 20; Gaz. vol. 207; p. 931.
- Gottlieb Bauernschmidt Straus Brewing Company, The, Baltimore, Md. Lager-beer. No. 100,909; Oct. 27; Gaz. vol. 207; p. 1246.
- Gowan-Lenning-Brown Co., Duluth, Minn. Gelatinous dessert-powder. No. 101,157; Nov. 17; Gaz. vol. 208; p. 980.
- Gracey, A. A., Philadelphia, Pa. Remedy for certain named ailments. No. 95,314; Feb. 10; Gaz. vol. 199; p. 612.
- Graham, Gervaise, Chicago, Ill. Certain named toilet preparations and antiseptic tonic. No. 94,906; Jan. 13; Gaz. vol. 198; p. 490.
- Graham, Gervaise, Chicago, Ill. Laxative preparation in the form of a bonbon. No. 101,284; Nov. 24; Gaz. vol. 208; p. 1351.
- Graham Paper Company, St. Louis, Mo. Paper for printing and writing. No. 98,768; Aug. 4; Gaz. vol. 205; p. 298.
- Grain Juice Company, Ltd., Chicago, Ill. Unfermented hop extract of cereals. No. 99,877; Sept. 22; Gaz. vol. 206; p. 1158.
- Grand Rapids Upholstering Co., Grand Rapids, Mich. Apparatus for cooking by retained heat. No. 99,458; Sept. 1; Gaz. vol. 206; p. 308.
- Grand River Canning Company, Markesan, Wis. Canned vegetables. No. 99,389; Aug. 25; Gaz. vol. 205; p. 1321.
- Grand Union Tea Company, Brooklyn, N. Y. Coffee. No. 99,974; Sept. 29; Gaz. vol. 206; p. 1432.
- Grant, L. B., Denver, Colo. Hair-restorative and face-cream. No. 101,516; Dec. 22; Gaz. vol. 209; p. 1313.
- Grasselli Chemical Company, Cleveland, Ohio. Silicate of soda or water-glass. No. 99,978; Sept. 29; Gaz. vol. 206; p. 1432.
- Grasser, Johannes, Nuremberg, Germany. Lead and colored pencils, lead-pencil holders, penholders, &c. No. 98,949; Aug. 11; Gaz. vol. 205; p. 656.
- Graves, Charles H., Providence, R. I. Rubber and leather vehicle-tires. No. 96,669; Apr. 28; Gaz. vol. 201; p. 1214.
- Graves, Juliette S., Somerville, Mass. Puerperal swathes, catamenial belts, and obesity-bandages. No. 97,333; June 2; Gaz. vol. 203; p. 298.
- Gray, Frank E., Port Huron, Mich. Deodorizer and disinfectant. No. 100,974; Nov. 3; Gaz. vol. 208; p. 334.
- Gray, Gustavus, St. Louis, Mo. Garment-fasteners. No. 98,867; Aug. 4; Gaz. vol. 205; p. 301.
- Gray, Robert D., Ridgewood, N. J. Reflectors. No. 100,803; Oct. 27; Gaz. vol. 207; p. 1243.
- Grayson Oil & Cotton Co., Sherman, Tex. Cooking-oil. No. 97,609; June 16; Gaz. vol. 203; p. 919.
- Great Atlantic and Pacific Tea Company, Jersey City, N. J. Eggs. No. 97,137; May 19; Gaz. vol. 202; p. 948.
- Great Western Mfg. Co., Laporte, Ind. Bicycles. No. 100,804; Oct. 27; Gaz. vol. 207; p. 1243.
- Great Western Pottery Co., The, Kokomo, Ind., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Water-closet bowls. Nos. 96,007-8; Mar. 31; Gaz. vol. 200; p. 1386.
- Great Western Pottery Co., Kokomo, Ind., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Water-closet bowls and tanks. No. 96,281; Apr. 14; Gaz. vol. 201; p. 565.
- Great Western Pottery Co., The, Kokomo, Ind., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Water-closet bowls and tanks. No. 97,239; May 26; Gaz. vol. 202; p. 1254.
- Great Western Remedy Co., Davenport, Iowa. Cleaner for removing dirt, grease, or stains. No. 101,096; Nov. 10; Gaz. vol. 208; p. 653.
- Great Western Smelting & Refining Co., Chicago, Ill. Babbitt and antifriction metals. No. 96,009; Mar. 31; Gaz. vol. 200; p. 1387.
- Great Western Smelting & Refining Co., Chicago, Ill. Babbitt and antifriction metals. No. 96,282; Apr. 14; Gaz. vol. 201; p. 565.
- Greeley Square Hotel Company, New York, N. Y. Monthly periodical. No. 97,417; June 2; Gaz. vol. 203; p. 300.
- Green Seal Specialty Company, Pittsburgh, Pa. Polishes for certain named materials. No. 99,873; Sept. 22; Gaz. vol. 206; p. 1158.
- Greenberg & Co., Max, New York, N. Y. Monthly publication. No. 99,731; Sept. 15; Gaz. vol. 206; p. 870.
- Greenberg Miller Co., Inc., New York, N. Y. Leather boots and shoes. No. 98,354; July 14; Gaz. vol. 204; p. 670.
- Greene & Fish Company, Boston, Mass. Candy. No. 97,967; June 30; Gaz. vol. 203; p. 1550.
- Greene, Sumner, Pasadena, Cal. Certain named furniture and upholstery. No. 95,092; Feb. 3; Gaz. vol. 199; p. 298.
- Greensburg Tire & Rubber Co., Greensburg, Pa. Inner and outer tubes for pneumatic tires. No. 100,703; Oct. 20; Gaz. vol. 207; p. 933.
- Greensburg Tire & Rubber Co., Greensburg, Pa. Inner tubes for pneumatic tires. No. 100,704; Oct. 20; Gaz. vol. 207; p. 933.
- Greer, Benjamin W., Philadelphia, Pa. Piece goods of woolen, worsted, and cotton cloths. No. 95,093; Feb. 3; Gaz. vol. 199; p. 298.
- Gregory, Anna V., Davenport, Cal. Stove-polish. No. 100,543; Oct. 20; Gaz. vol. 207; p. 928.
- Greub, Magdalena, Wathena, Kans. Preparation for the treatment of cholera in hogs. No. 101,460; Dec. 15; Gaz. vol. 209; p. 1049.
- Gridley Medicine Company, Boston, Mass. Blood-purifier. No. 101,043; Nov. 10; Gaz. vol. 208; p. 651.
- Griffith-Durney Co., San Francisco, Cal. Fresh and canned pineapples. No. 99,733; Sept. 15; Gaz. vol. 206; p. 870.
- Griffith-Durney Co., San Francisco, Cal. Canned and fresh pineapples. No. 99,879; Sept. 22; Gaz. vol. 206; p. 1158.

Alphabetical list of registrants of trade-marks—Continued.

- Grinnell Bros., Detroit, Mich. Pianos. No. 97,418; June 2; Gaz. vol. 203; p. 300.
- Grinnell Bros., Detroit, Mich. Pianos. No. 98,769; Aug. 4; Gaz. vol. 205; p. 298.
- Griscom-Russell Company, The, New York, N. Y. Certain named steam-fitting supplies. No. 98,950; Aug. 11; Gaz. vol. 205; p. 656.
- Griscom Russell Company, The, New York, N. Y. Filters for purifying feed-water. No. 101,381; Dec. 8; Gaz. vol. 209; p. 680.
- Griswold, Henry S., Phoenix, Ariz. Tire-healing compound. No. 98,279; July 7; Gaz. vol. 204; p. 314.
- Grocers Coffee Co., Indianapolis, Ind. Teas and coffees. No. 99,734; Sept. 15; Gaz. vol. 206; p. 870.
- Grocers Wholesale Company, Des Moines, Iowa. Canned vegetables, fruits, and fish, spices. No. 96,802; May 5; Gaz. vol. 202; p. 310.
- Grondahl, Einar L., Seattle, Wash. Games. No. 95,905; Mar. 24; Gaz. vol. 200; p. 1110.
- Grossfeld & Roe Co., Chicago, Ill. Canned fruits, vegetables, and fish, coffee, &c. No. 98,515; July 21; Gaz. vol. 204; p. 1007.
- Grover's Sons, J. J., Lynn, Mass. Women's shoes. No. 95,094; Feb. 3; Gaz. vol. 199; p. 298.
- Groze, Moses, Baton Rouge, La. Remedy for piles. No. 96,584; Apr. 21; Gaz. vol. 201; p. 900.
- Gruensfelder, Charles W., East Peoria, Ill. Cornmeal. No. 95,906; Mar. 24; Gaz. vol. 200; p. 1110.
- Guarantee Paint Mfg. Co., New Orleans, La. Metal paints. No. 97,138; May 19; Gaz. vol. 202; p. 948.
- Guardias Ointment Company, The. (See Finlay, Louise C., assignor.)
- Guertin, Louise, Whitinsville, Mass. Preparation for the treatment of whooping-cough. No. 96,509; Apr. 21; Gaz. vol. 201; p. 898.
- Guess, John E., Kentwood, La. Medicated salve. No. 98,770; Aug. 4; Gaz. vol. 205; p. 298.
- Guggenheim & Company, San Francisco, Cal. Figs. No. 99,206; Aug. 25; Gaz. vol. 205; p. 1315.
- Guimaraens & Son, M. P., London, England, and Oporto, Portugal. Port-wine. Nos. 97,694-5; June 16; Gaz. vol. 203; p. 922.
- Gulf City Coffee Company, Pensacola, Fla. Blended coffee. Nos. 97,968-9; June 30; Gaz. vol. 203; p. 1550.
- Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa. Automobile lubricating-oil. No. 95,541; Feb. 24; Gaz. vol. 199; p. 1240.
- Gulfport Grocery Co., Gulfport, Miss. Flour. No. 96,411; Apr. 21; Gaz. vol. 201; p. 896.
- Gulfport Grocery Co., Gulfport, Miss. Stock feed. No. 100,805; Oct. 27; Gaz. vol. 207; p. 1243.
- Gulfport Grocery Co., Gulfport, Miss. Stock food. Nos. 101,158-9; Nov. 17; Gaz. vol. 208; p. 980.
- Gumbinner, Alfred, New York, N. Y. Fountain-pens. No. 97,842; June 23; Gaz. vol. 203; p. 1256.
- Gund Brewing Co., Cleveland, Ohio. Beer. No. 96,510; Apr. 21; Gaz. vol. 201; p. 898.
- Gurdin & Stieglitz, New York, N. Y. Hosiery. No. 97,610; June 16; Gaz. vol. 203; p. 919.
- Guth Chocolate Company, Baltimore, Md. Candy. No. 98,657; July 28; Gaz. vol. 204; p. 1340.
- Guth Chocolate Company, Wilmington, Del., and Baltimore, Md. Candy. Nos. 100,806-13; Oct. 27; Gaz. vol. 207; p. 1243.
- Guth, Edwin F., St. Louis, Mo. Chandeliers, &c. No. 98,280; July 7; Gaz. vol. 204; p. 314.
- Guthrie Mill & Elev. Co., Guthrie, Okla. Certain named foods. No. 97,611; June 16; Gaz. vol. 203; p. 919.
- Gwin and Mays Drug Co., Ada, Okla. Salve. No. 100,975; Nov. 3; Gaz. vol. 208; p. 334.
- H. Kuhn & Sons (Inc.), New York, N. Y. Outer suits and overcoats. Nos. 97,486-7; June 9; Gaz. vol. 203; p. 596.
- H. Lesinsky Company, The, El Paso, Tex. Canned fruits, vegetables, fish, oysters, and shrimps. No. 100,713; Oct. 20; Gaz. vol. 207; p. 933.
- H. Maimin Co., Inc., New York, N. Y. Cloth-cutting machines. No. 100,001; Sept. 29; Gaz. vol. 206; p. 1433.
- H. Mueller Manufacturing Co., Decatur, Ill. Washers other than metal for couplings. No. 100,863; Oct. 27; Gaz. vol. 207; p. 1244.
- H. Schlinck & Cie. A. G., Hamburg, Germany. Certain named food oils. No. 98,320; July 7; Gaz. vol. 204; p. 315.
- H. Traiser & Company, Incorporated, Boston, Mass. Cigars. No. 98,591; July 21; Gaz. vol. 204; p. 1009.
- H. Wenzel Tent & Duck Co., St. Louis, Mo. Tents, tarpaulins, and waterproof bed-sheets. Nos. 100,186-7; Oct. 6; Gaz. vol. 207; p. 296.
- H. B. Claffin Company, The, New York, N. Y. Handkerchiefs. No. 95,301; Feb. 10; Gaz. vol. 199; p. 611.
- H. B. Claffin Company, The, New York, N. Y. Hosiery and knit underwear. No. 95,523; Feb. 24; Gaz. vol. 199; p. 1239.
- H. C. Schrader Co., Jacksonville, Fla. Citrus fruits. No. 101,222; Nov. 17; Gaz. vol. 208; p. 982.
- H. C. Whitmer Company, The, Columbus, Ind. Remedy for certain named diseases and ailments. No. 100,674; Oct. 20; Gaz. vol. 207; p. 932.
- H. D. Lee Mercantile Co., The, Salina, Kans. Certain named foods. No. 96,430; Apr. 21; Gaz. vol. 201; p. 896.
- H. D. Lee Mercantile Company, The, Salina, Kans. Over-all union suits. No. 99,475; Sept. 1; Gaz. vol. 206; p. 309.
- H. F. Barrows & Company, North Attleboro, Mass. Chains. No. 95,866; Mar. 24; Gaz. vol. 200; p. 1109.
- H. G. Harter Co., The, Toledo, Ohio. Remedy for hog diseases. No. 98,147; July 7; Gaz. vol. 204; p. 310.
- H. G. Prince & Company, Fruitvale, Cal. Canned fruits and vegetables. No. 96,827; May 5; Gaz. vol. 202; p. 310.
- H. G. Prince & Company, Fruitvale, Cal. Canned fruits and vegetables. No. 98,691; July 28; Gaz. vol. 204; p. 1341.
- H. J. Frost & Company, New York, N. Y. Fishing-tackle. No. 95,536; Feb. 24; Gaz. vol. 199; p. 1240.
- H. K. Mulford Company, Philadelphia, Pa. Vaccines. No. 95,461; Feb. 17; Gaz. vol. 199; p. 935.
- H. M. H. Company, Pawtucket, R. I. Rosaries. No. 98,771; Aug. 4; Gaz. vol. 205; p. 298.
- H. M. R. Co., Reno, Nev. Remedy for hay-fever, catarrh, tonsillitis, &c. No. 101,382; Dec. 8; Gaz. vol. 209; p. 680.
- H. Patents and Processes Company, Inc. (See Hochstetter, Frederick W., assignor.)
- H. T. Dewey & Sons Co., New York, N. Y. Medicinal tonic. No. 98,935; Aug. 11; Gaz. vol. 205; p. 655.
- H. T. Lange Co., The, Eau Claire, Wis. Canned vegetables, sauer-kraut, and pork and beans. No. 98,539; July 21; Gaz. vol. 204; p. 1007.
- H. T. Lange Co., The, Eau Claire, Wis. Canned vegetables and evaporated milk. No. 99,226; Aug. 25; Gaz. vol. 205; p. 1316.
- H. W. Huguley Co., Boston, Mass. Whisky. Nos. 101,168-9; Nov. 17; Gaz. vol. 208; p. 980.
- H. W. Johns-Manville Co., New York, N. Y. Coating for certain named structures and a fireproof paint. No. 95,632; Mar. 3; Gaz. vol. 200; p. 274.
- H. W. Johns-Manville Co., New York, N. Y. Machinery-brake lining. No. 95,633; Mar. 3; Gaz. vol. 200; p. 274.
- H. W. Johns-Manville Co., New York, N. Y. Asbestos yarn. No. 95,830; Mar. 17; Gaz. vol. 200; p. 853.
- H. W. Johns-Manville Co., New York, N. Y. Liquid composition for fireproofing canvas, cotton goods, &c. No. 95,831; Mar. 17; Gaz. vol. 200; p. 853.
- H. W. Johns-Manville Co., New York, N. Y. Asbestos twine and cord. No. 96,300; Apr. 14; Gaz. vol. 201; p. 565.
- H. W. Johns-Manville Co., New York, N. Y. Wood-fiber composition board for walls and ceilings. No. 99,313; Aug. 25; Gaz. vol. 205; p. 1318.
- H. W. Johns-Manville Co., New York, N. Y. Certain named plumbing and steam-fitting supplies. No. 99,594; Sept. 8; Gaz. vol. 206; p. 584.
- H. W. Johns-Manville Co., New York, N. Y. Liquid compound to remove and prevent scale in steam-boilers. No. 101,173; Nov. 17; Gaz. vol. 208; p. 980.
- H. W. Johns-Manville Co., New York, N. Y. Rubber belting, rubber-fabric and metallic hose, packing. No. 101,495; Dec. 15; Gaz. vol. 209; p. 1005.
- H. W. Johns-Manville Co., New York, N. Y. Certain named electrical apparatus and supplies. No. 101,581; Dec. 29; Gaz. vol. 209; p. 1687.
- H. W. K. Company, The, Providence, R. I. Jewelry. No. 99,979; Sept. 29; Gaz. vol. 206; p. 1432.
- Haas Bros., New York, N. Y. Woolen piece goods. No. 99,094; Aug. 18; Gaz. vol. 205; p. 1015.
- Haas Brothers, New York, N. Y. Silk dress goods. No. 95,426; Feb. 17; Gaz. vol. 199; p. 934.
- Haas Brothers, New York, N. Y. Woolen dress goods. No. 95,759; Mar. 10; Gaz. vol. 200; p. 578.
- Haas Brothers, New York, N. Y. Silk dress piece goods. No. 96,881; May 5; Gaz. vol. 202; p. 312.
- Haas-Lieber Grocery Company, St. Louis, Mo. Baking-powder, cream of tartar, salt, and bicarbonate of soda. No. 94,993; Jan. 20; Gaz. vol. 198; p. 699.
- Haddon Hosiery Co., assignor to Haddon Hosiery Co., Philadelphia, Pa. Hosiery. No. 96,670; Apr. 28; Gaz. vol. 201; p. 1214.
- Haden, William P., Paris, Tex. Blind-staggers cure. No. 101,045; Nov. 10; Gaz. vol. 208; p. 651.
- Hagen, Firm of Gottf. Vingst, near Kalk, near Cologne, Germany. Storage batteries. No. 97,767; June 16; Gaz. vol. 203; p. 924.
- Hagenaers & Company, Lionel, New York, N. Y. Glucose. No. 95,219; Feb. 3; Gaz. vol. 199; p. 302.
- Hageni, George A., New Orleans, La. Syrups for table use. No. 99,735; Sept. 15; Gaz. vol. 206; p. 870.
- Hager, G. L. & W. L. Weston, Mass. Eggs. No. 97,612; June 16; Gaz. vol. 203; p. 919.
- Hahn, L. W., Kansas City, Mo. Cigars. No. 97,843; June 23; Gaz. vol. 203; p. 1256.
- Haigh, William, Baltimore, Md. Puddings. No. 99,207; Aug. 25; Gaz. vol. 205; p. 1315.
- Haight & Co., A. S., New York, N. Y. Sweaters, knitted underwear. No. 96,283; Apr. 14; Gaz. vol. 201; p. 565.
- Haight & Co., A. S., New York, N. Y. Underwear. No. 97,844; June 23; Gaz. vol. 203; p. 1256.

Alphabetical list of registrants of trade-marks—Continued.

- Haines & Co., H. L., Red Lion, Pa. Cigars. No. 96,963; May 12; Gaz. vol. 202; p. 628.
- Hairlight Company, The, Leominster, Mass. Hair rolls and puffs. No. 98,868; Aug. 4; Gaz. vol. 205; p. 301.
- Halcomb Steel Company, Syracuse, N. Y. Electric steel. No. 98,054; June 30; Gaz. vol. 203; p. 1552.
- Halcyon Knitting Mills Co., South Bethlehem, Pa. Hosiery. Nos. 96,284-5; Apr. 14; Gaz. vol. 201; p. 565.
- Hall & Hall, London, England. Asbestos jointing and packing. No. 99,208; Aug. 25; Gaz. vol. 205; p. 1315.
- Hall, Hartwell & Co., Troy, N. Y. Collars, cuffs, and shirts. No. 97,845; June 23; Gaz. vol. 203; p. 1256.
- Hall & Lyon Furniture Company, Waverly, N. Y. Beds. No. 95,427; Feb. 17; Gaz. vol. 199; p. 934.
- Hall Manufacturing Company, Monticello, Iowa. Certain named machinery and tools. No. 101,285; Nov. 24; Gaz. vol. 208; p. 1351.
- Hall & Ruckel. (See Tokalon, Incorporated, assignor.)
- Hall & Ruckel, New York, N. Y. Talcum powder. No. 100,119; Oct. 6; Gaz. vol. 207; p. 294.
- Hall & Wenck, Rochester, N. Y. Solidified liniment. No. 98,516; July 21; Gaz. vol. 204; p. 1007.
- Hallam-Rice Co., Providence, R. I. Jewelry. No. 99,095; Aug. 18; Gaz. vol. 205; p. 1015.
- Hallam-Rice Company, Providence, R. I. Jewelry. No. 96,671; Apr. 28; Gaz. vol. 201; p. 1214.
- Hallam-Rice Company, Providence, R. I. Jewelry. No. 101,383; Dec. 8; Gaz. vol. 209; p. 680.
- Halliday Elevator Co., Cairo, Ill. Corn and oats for feeding and milling purposes. No. 95,428; Feb. 17; Gaz. vol. 199; p. 934.
- Hally & Sullivan, Denver, Colo. Compound to bind joints in plumbing and pipe-fitting. No. 100,545; Oct. 20; Gaz. vol. 207; p. 928.
- Ham, Kelley P., Lynn, Mass. Non-intoxicating carbonated tonic beverages. No. 99,047; Aug. 11; Gaz. vol. 205; p. 659.
- Hamilton, Richard D., La Grande, Ore. Remedy for seasickness. No. 98,951; Aug. 11; Gaz. vol. 205; p. 656.
- Hamlin, John H., Salt Lake City, Utah. Paints, japans, varnishes, and calcimine. No. 97,240; May 26; Gaz. vol. 202; p. 1254.
- Hammins Wizard Oil Company, Chicago, Ill. Medicinal oil. No. 95,542; Feb. 24; Gaz. vol. 199; p. 1240.
- Hammer Remedy Co., Lamoni, Iowa. Antiseptics, salves, ointments, remedies for diarrhea, &c. No. 99,390; Aug. 25; Gaz. vol. 205; p. 1321.
- Hammond, Boynton Paint & Chemical Co., assignor to Hammond Process Company, Norwich, Conn. Paints, iron oxides, varnishes, driers, and paint-oils. No. 96,010; Mar. 31; Gaz. vol. 200; p. 1386.
- Hammond, Eva, Kansas City, Mo. Remedy for piles. No. 97,475; June 9; Gaz. vol. 203; p. 595.
- Hammond Process Company. (See Hammond, Boynton Paint & Chemical Co., assignor.)
- Hampden Glazed Paper and Card Company, Holyoke, Mass. Writing, printing, and cover paper. No. 100,323; Oct. 20; Gaz. vol. 207; p. 921.
- Hampshire Company, Incorporated, The, Fairfield township, Fairfield county, Conn. Soft drinks, natural spring and synthetic mineral waters. No. 101,384; Dec. 8; Gaz. vol. 209; p. 680.
- Hampton, Kate P., Washington, D. C. Toys. No. 95,907; Mar. 24; Gaz. vol. 200; p. 1110.
- Hanan & Son, New York, N. Y. Leather and cloth boots, shoes, and slippers. No. 96,011; Mar. 31; Gaz. vol. 200; p. 1386.
- Hancock, B. A., Atlanta, Ga. Vinegar, sauer-kraut, pickles, &c. No. 100,814; Oct. 27; Gaz. vol. 207; p. 1243.
- Hancock, Charlton R., Bonaire, Ga. Peach-trees. No. 98,772; Aug. 4; Gaz. vol. 205; p. 298.
- Handl, Ernest, Chicago, Ill. Powder intended to build up human organs. No. 99,391; Aug. 25; Gaz. vol. 205; p. 1321.
- Handl, Ernest, Chicago, Ill. Fluid to be used before confinements. No. 99,460; Sept. 1; Gaz. vol. 206; p. 308.
- Handl, Ernst, Chicago, Ill. Preparations for purifying the blood and the treatment of cancer. No. 101,385; Dec. 8; Gaz. vol. 209; p. 680.
- Hanley & Kinsella Coffee & Spice Company, St. Louis, Mo. Blended coffee. No. 95,908; Mar. 24; Gaz. vol. 200; p. 1110.
- Hans W. Egli Ingr, Zurich, Switzerland. Adding and calculating machines. No. 95,611; Mar. 3; Gaz. vol. 200; p. 273.
- Hansen, Henry R., Jersey City, N. J. Paper bags and boxes. No. 96,803; May 5; Gaz. vol. 202; p. 310.
- Hanson & Van Winkle Company, The, Newark, N. J. Nickel salts. No. 100,324; Oct. 20; Gaz. vol. 207; p. 921.
- Hanson & Van Winkle Company, The, Newark, N. J. Galvanizing-salts. No. 101,160; Nov. 17; Gaz. vol. 208; p. 980.
- Haral Co., Detroit, Mich. Hair-tonic. No. 96,511; Apr. 21; Gaz. vol. 201; p. 898.
- Harbauer Company, The, Toledo, Ohio. Soup, purée, and catsup. No. 100,120; Oct. 6; Gaz. vol. 207; p. 294.
- Harder & de Voss, Hamburg, Germany. Certain named foods. No. 97,970; June 30; Gaz. vol. 203; p. 1550.
- Harding, Frances E., assignor to Harding Manufacturing Co., Mansfield, Mass. Screw-drivers, ripping-knives, burnishers, &c. No. 100,976; Nov. 3; Gaz. vol. 208; p. 334.
- Harding Manufacturing Co. (See Harding, Frances E., assignor.)
- Hardinge Brothers, Chicago, Ill. Watchmen's clocks. No. 97,768; June 16; Gaz. vol. 203; p. 924.
- Hardt Generator Co., Easton, Pa. So-called generators or pressure-regulating valves for hot-water heating systems. No. 96,804; May 5; Gaz. vol. 202; p. 310.
- Hardtmuth, Firm of L. & C., Budweis, Austria-Hungary. Lead-pencils, tracing paper and cloth. No. 101,097; Nov. 10; Gaz. vol. 208; p. 653.
- Hardwick & Magee Co., Philadelphia, Pa. Woven carpets and rugs. No. 96,673; Apr. 28; Gaz. vol. 201; p. 1214.
- Hardwick & Magee Co., Philadelphia, Pa. Textile carpets and rugs. No. 96,882; May 5; Gaz. vol. 202; p. 312.
- Haring Company, The, Philadelphia, Pa. Certain pharmaceutical preparations and remedies for certain diseases. No. 97,140; May 19; Gaz. vol. 202; p. 948.
- Harlan, James S., Essex, N. Y. Milk, cream, butter, dressed poultry, eggs, &c. No. 96,585; Apr. 21; Gaz. vol. 201; p. 900.
- Harney, Patrick J., Lynn, Mass. Boots, shoes, and slippers. No. 97,846; June 23; Gaz. vol. 203; p. 1256.
- Harriet Hubbard Ayer, New York, N. Y. Certain named pharmaceutical preparations. No. 99,681; Sept. 15; Gaz. vol. 206; p. 869.
- Harrington Cutlery Co., Southbridge, Mass. Certain named cutlery and parts thereof. No. 99,151; Aug. 18; Gaz. vol. 205; p. 1017.
- Harris, Abraham W., deceased, Providence; A. C. Harris, Warwick, and S. Edwards, executors, assignors to A. W. Harris Oil Company, Providence, R. I. Lubricating-oils. Nos. 95,095-6; Feb. 3; Gaz. vol. 199; p. 298.
- Harris, Abraham W., deceased, Providence, R. I.; A. C. Harris, Warwick, and S. Edwards, Providence, R. I., executors, assignors to A. W. Harris Oil Company, Providence, R. I. Lubricating-oils. No. 99,302; Aug. 25; Gaz. vol. 205; p. 1318.
- Harris, Annie C., et al., executors. (See Harris, Abraham W.)
- Harris Automatic Press Co., Niles, Ohio. Printing-presses and parts thereof. No. 95,097; Feb. 3; Gaz. vol. 199; p. 298.
- Harris, B. F., Champaign, Ill. Title, head, or name of a monthly magazine. No. 97,971; June 30; Gaz. vol. 203; p. 1550.
- Harris Bros. & Barnett, New York, N. Y. Petticoats, princess-slips, and ladies' underwear. No. 98,658; July 28; Gaz. vol. 204; p. 1340.
- Harris, William M., Camden, N. J. Oil-paints. No. 98,869; Aug. 4; Gaz. vol. 205; p. 301.
- Harris Woodson Co., Inc., Lynchburg, Va. Candy. No. 97,103; May 19; Gaz. vol. 202; p. 947.
- Harrison, Andrew J., Birmingham, England. Spectacles. No. 99,303; Aug. 25; Gaz. vol. 205; p. 1318.
- Harrison, Dent, Westmount, Quebec, Canada. Bread. No. 97,051; May 19; Gaz. vol. 202; p. 945.
- Harrison & Rosenberg, New York, N. Y. Ladies' combination-garments. No. 98,659; July 28; Gaz. vol. 204; p. 1340.
- Harrison, William M., Vancouver, British Columbia, Canada. Laxative tablets. No. 97,052; May 19; Gaz. vol. 202; p. 945.
- Hart & Bro., B., San Francisco, Cal. Cotton dress goods in the piece. No. 94,814; Jan. 6; Gaz. vol. 198; p. 235.
- Hart & Bro., B., San Francisco, Cal. Hosiery. No. 95,098; Feb. 3; Gaz. vol. 199; p. 299.
- Hart, Harold "D.", San Francisco, Cal. Skin-lotions, toilet and face creams, perfumes, &c. No. 96,130; Apr. 7; Gaz. vol. 201; p. 262.
- Hart, Harold "D.", San Francisco, Cal. Soaps. No. 97,972; June 30; Gaz. vol. 203; p. 1550.
- Hart Schaffner & Marx, Chicago, Ill. Coats, vests, trousers, overcoats, and rain-coats. No. 95,156; Feb. 3; Gaz. vol. 199; p. 300.
- Harter Milling Co., The, Toledo and Fostoria, Ohio. Wheat-flour. No. 99,209; Aug. 25; Gaz. vol. 205; p. 1315.
- Hartford Machine Screw Company, Hartford, Conn. Spark-plugs. No. 98,386; July 14; Gaz. vol. 204; p. 670.
- Hartmann Trunk Co., The, Racine, Wis. Trunks, suit-cases, and bags. No. 100,325; Oct. 20; Gaz. vol. 207; p. 921.
- Hartsville Implement Co., Hartsville, S. C. Fertilizer-distributors, plows, and planters. No. 96,287; Apr. 14; Gaz. vol. 201; p. 565.
- Harvey & Co. (Dublin), Limited, Dublin, Ireland. Medicines and preparations for certain named ailments and diseases of animals. No. 97,419; June 2; Gaz. vol. 203; p. 300.
- Haserot Company, The, Cleveland, Ohio. Coffee. No. 98,871; Aug. 4; Gaz. vol. 205; p. 301.
- Hassel, Otto H., Chicago, Ill. Shoes, slippers, and boots. No. 100,705; Oct. 20; Gaz. vol. 207; p. 933.
- Hatch, Nathan, Albany and Cohoes, N. Y. Certain named woven and knitted underwear. No. 99,009; Aug. 11; Gaz. vol. 205; p. 657.

Alphabetical list of registrants of trade-marks—Continued.

- Hatch, Nathan, Albany and Cohoes, N. Y. Woven and knitted underwear, combination garments, &c. No. 100,547; Oct. 20; Gaz. vol. 207; p. 928.
- Hatley & Womack, Hallsville, Tex. Liquid compound for destroying trees. No. 96,131; Apr. 7; Gaz. vol. 201; p. 262.
- Havens & Geddes Co., Indianapolis, Ind. Certain named clothing for men, women, and children. No. 101,462; Dec. 15; Gaz. vol. 209; p. 1049.
- Haviland, Wm. H., Elizabeth, N. J. External remedy for eczema and salt-rheum. No. 97,141; May 19; Gaz. vol. 202; p. 948.
- Havone Cigarette Case Company, New York, N. Y. Cigarette-cases. No. 96,132; Apr. 7; Gaz. vol. 201; p. 262.
- Hawaiian Pineapple Co., Ltd., Honolulu, Hawaii. Canned pineapple. Nos. 99,210-13; Aug. 25; Gaz. vol. 205; p. 1315.
- Hawaiian Pineapple Co. Ltd., Honolulu, Hawaii. Canned pineapple. No. 99,304; Aug. 25; Gaz. vol. 205; p. 1318.
- Hawaiian Pineapple Co., Ltd., Honolulu, Hawaii. Canned pineapple. No. 99,736; Sept. 15; Gaz. vol. 206; p. 870.
- Hawaiian Pineapple Co. Ltd., Honolulu, Hawaii. Canned pineapple. Nos. 99,981-2; Sept. 29; Gaz. vol. 206; p. 1432.
- Hawkeye Chemical Company, Clarrion, Ill. Chemicals for sanitary toilets. No. 96,412; Apr. 21; Gaz. vol. 201; p. 896.
- Hawkeye Oil Company, The, Waterloo, S. D. Certain named oils and greases. No. 100,815; Oct. 27; Gaz. vol. 207; p. 1243.
- Hawkeye Oil Company, The, Waterloo, Iowa. Vegetable oil and mechanics' soaps, metal-polish. No. 101,098; Nov. 10; Gaz. vol. 208; p. 653.
- Hawks, Incorporated, Bloomington, Ill. Certain named foods. No. 100,818; Oct. 27; Gaz. vol. 207; p. 1243.
- Hawley & Hoops, New York, N. Y. Candy. No. 99,737; Sept. 15; Gaz. vol. 206; p. 870.
- Hawley, William E., St. Louis, Mo. Detergent paste. No. 101,463; Dec. 15; Gaz. vol. 209; p. 1049.
- Haydon, John H., New York, N. Y. Remedy for skin troubles. No. 96,883; May 5; Gaz. vol. 202; p. 312.
- Haynes Automobile Co., Kokomo, Ind. Automobiles. No. 95,909; Mar. 24; Gaz. vol. 200; p. 1110.
- Heavenridge, Josiah, Canon City, Colo. Publication for the treatment of hog-cholera. No. 99,738; Sept. 15; Gaz. vol. 206; p. 871.
- Hecht & Co., Washington, D. C. Shoes. No. 100,326; Oct. 20; Gaz. vol. 207; p. 921.
- Hecht, Eli G., Baltimore, Md. Wines. No. 100,121; Oct. 6; Gaz. vol. 207; p. 294.
- Hecht, Wm., New York, N. Y. Children's washable outer suits. No. 97,696; June 16; Gaz. vol. 203; p. 922.
- Hecht, Wm., New York, N. Y. Children's washable outer suits. No. 97,847; June 23; Gaz. vol. 203; p. 1256.
- Hedden & Eberhardt, New York, N. Y., assignor to Charles A. Hedden, Inc. Perfumes, toilet waters, sachet, face, and talcum powders. No. 94,815; Jan. 6; Gaz. vol. 198; p. 235.
- Hedden & Eberhardt, New York, N. Y., assignor to Charles A. Hedden, Inc. Toilet waters, perfumes, and sachet-powder. No. 97,973; June 30; Gaz. vol. 203; p. 1550.
- Heebner, Ernest L., New York, N. Y. Canned sardines. No. 96,413; Apr. 21; Gaz. vol. 201; p. 896.
- Heekin Can Company, The, Cincinnati, Ohio. Tin cans and buckets. No. 99,305; Aug. 25; Gaz. vol. 205; p. 1318.
- Heekin Spice Company, The, Cincinnati, Ohio. Flavoring extracts for foods and tea. No. 98,872; Aug. 4; Gaz. vol. 205; p. 301.
- Hefefabrik Emmerthal, Gesellschaft mit beschränkter Haftung, Emmerthal, near Hameln, Germany. Remedy for diabetes, furunculosis, gout, &c. No. 101,161; Nov. 17; Gaz. vol. 208; p. 980.
- Heide, Henry, New York, N. Y. Candies. No. 97,614; June 16; Gaz. vol. 203; p. 919.
- Heide, Henry, New York, N. Y. Chocolate, chocolate liquors, and cocoa. No. 99,579; Sept. 8; Gaz. vol. 206; p. 584.
- Heidner, Hans, Tacoma, Wash. Hair, tooth, nail, and eyebrow brushes. No. 100,327; Oct. 20; Gaz. vol. 207; p. 921.
- Heilbron & Sons, David, Glasgow, Scotland. Whisky. No. 97,241; May 26; Gaz. vol. 202; p. 1254.
- Heilbronn, Joseph P., Manila, Philippine Islands. Writing and printing paper. No. 98,281; July 7; Gaz. vol. 204; p. 314.
- Heinmüller, Virgil, New York, N. Y. Aluminum telescoping cooking outfit. No. 95,618; Mar. 3; Gaz. vol. 200; p. 274.
- Heisele & Sons, Max, St. Louis, Mo. Preparation for the treatment of piles. No. 95,315; Feb. 10; Gaz. vol. 199; p. 612.
- Heit-Miller-Lau Co., Fort Wayne, Ind. Chocolate candy. No. 99,739; Sept. 15; Gaz. vol. 206; p. 871.
- Hektograph Mfg. & Duplicating Co., The, New York, N. Y. Duplicating apparatus. No. 98,517; July 21; Gaz. vol. 204; p. 1007.
- Helburn Leather Company, Salem, Mass. Leather. No. 96,012; Mar. 31; Gaz. vol. 200; p. 1386.
- Helburn Leather Company, Salem, Mass. Leather for use on textile machinery. No. 96,288; Apr. 14; Gaz. vol. 201; p. 565.
- Helfrich, Julia G., Baltimore, Md. Boots, shoes, and slippers. No. 96,289; Apr. 14; Gaz. vol. 201; p. 565.
- Helios Manufacturing Company, Philadelphia, Pa. Secondary batteries. No. 98,388; July 14; Gaz. vol. 204; p. 670.
- Heller & Co., B., Chicago, Ill. Polish and cleaner for wood. No. 97,697; June 16; Gaz. vol. 203; p. 922.
- Heller & Co., Firm of B., Chicago, Ill. Laundry bluing and colors. No. 98,148; July 7; Gaz. vol. 204; p. 310.
- Heller & Co., B., Chicago, Ill. Inks and thinners therefor. No. 98,773; Aug. 4; Gaz. vol. 205; p. 298.
- Heller & Co., B., Chicago, Ill. Flavoring extracts for foods. No. 100,819; Oct. 27; Gaz. vol. 207; p. 1243.
- Heller & Co., B., Chicago, Ill. Preparation for improving ice-cream. No. 101,575; Dec. 29; Gaz. vol. 209; p. 1687.
- Hellman, Richard, New York, N. Y. Mayonnaise dressing. No. 96,884; May 5; Gaz. vol. 202; p. 312.
- Help Saver Co., Philadelphia, Pa. Paper ice-blankets, baking-pan liners, and dish-cloths. No. 96,586; Apr. 21; Gaz. vol. 201; p. 901.
- Heltsley, James M., Drakesboro, Ky. Tonic for cleansing and purifying the system. No. 98,952; Aug. 11; Gaz. vol. 205; p. 656.
- Hemingway & Company, Inc., Boundbrook, N. J. Enamel paint. No. 100,820; Oct. 27; Gaz. vol. 207; p. 1243.
- Hemingway's London Purple Company, Ltd., London, England, and New York, N. Y. Insecticides and fungicides. No. 99,010; Aug. 11; Gaz. vol. 205; p. 658.
- Hemmerdinger & Co., L., New York, N. Y. Gold paints. No. 96,674; Apr. 28; Gaz. vol. 201; p. 1214.
- Hemmerdinger, Louis, New York, N. Y. Gold paints. No. 98,873; Aug. 4; Gaz. vol. 205; p. 301.
- Hendee Manufacturing Co., The, Springfield, Mass. Certain named vehicles and parts thereof. No. 97,053; May 19; Gaz. vol. 202; p. 945.
- Hendee Manufacturing Company, Springfield, Mass. Certain named self-propelled vehicles and parts thereof. No. 98,282; July 7; Gaz. vol. 204; p. 314.
- Hendel, Barbara, Middle Village, N. Y. Herb salve preparation. No. 98,518; July 21; Gaz. vol. 204; p. 1007.
- Henderson, David B., Charlotte, N. C. Mineral-spring water. No. 96,512; Apr. 21; Gaz. vol. 201; p. 898.
- Henderson, Firm of Wm., New Orleans, La. Sugar. No. 99,048; Aug. 11; Gaz. vol. 205; p. 659.
- Hendry & Bishop, Edinburgh, Scotland. Iron golf-heads. No. 97,848; June 23; Gaz. vol. 203; p. 1256.
- Henne & Co., Wm., New York, N. Y. Ladies' leather boots and shoes. No. 97,334; June 2; Gaz. vol. 203; p. 298.
- Hennenhoefter, Louisa, St. Louis, Mo. Eczema and skin remedy. No. 99,011; Aug. 11; Gaz. vol. 205; p. 658.
- Hennessy Company, Butte, Mont. Shoes. No. 95,316; Feb. 10; Gaz. vol. 199; p. 612.
- Henrich, Henry, New York, N. Y. Metal alloy. No. 97,420; June 2; Gaz. vol. 203; p. 300.
- Henry A. Dix & Sons Company, Millville, N. J., and New York, N. Y. Ladies' tub and house dresses and nurses' and waitresses' uniforms. No. 97,045; May 19; Gaz. vol. 202; p. 945.
- Henry A. Dix & Sons Company, Millville, N. J., and New York, N. Y. Ladies' tub and house dresses, nurses' and waitresses' uniforms. No. 99,087; Aug. 18; Gaz. vol. 205; p. 1015.
- Henry A. Dix & Sons Company, Millville, N. J., and New York, N. Y. Ladies' tub and house dresses, nurses' and waitresses' uniforms. No. 100,292; Oct. 20; Gaz. vol. 207; p. 920.
- Henry Disston & Sons, Incorporated, Philadelphia, Pa. Saws. Nos. 95,071-7; Feb. 3; Gaz. vol. 199; p. 298.
- Henry Disston & Sons, Incorporated, Philadelphia, Pa. Saws. No. 95,608; Mar. 3; Gaz. vol. 200; p. 273.
- Henry Disston & Sons Incorporated, Philadelphia, Pa. Saws. No. 101,458; Dec. 15; Gaz. vol. 209; p. 1049.
- Henry F. Miller & Sons Piano Company, Boston, Mass. Player-pianos. No. 99,114; Aug. 18; Gaz. vol. 205; p. 1016.
- Henry F. Scatchard Mfg. Co., Norristown, Pa. Cotton and wool piece goods. No. 99,506; Sept. 1; Gaz. vol. 206; p. 309.
- Henry G. Sears Co., Holyoke, Mass. Certain named foods. No. 101,596; Dec. 29; Gaz. vol. 209; p. 1688.
- Hensel Chemical Works, The, Sioux City, Iowa. Medicine used in treating certain named diseases. No. 100,548; Oct. 20; Gaz. vol. 207; p. 928.
- Heppenstall Forge & Knife Company, Pittsburg, Pa. Shear-knives and die-blocks. Nos. 98,774-5; Aug. 4; Gaz. vol. 205; p. 298.
- Hercer, Anton, Spring Valley, Ill. Remedy for certain named diseases. No. 95,317; Feb. 10; Gaz. vol. 199; p. 612.
- Hercules Gas Engine Co., The, Evansville, Ind. Gas-engines. No. 98,055; June 30; Gaz. vol. 203; p. 1552.
- Hercules Powder Company, Wilmington, Del. Dynamite. No. 95,099; Feb. 3; Gaz. vol. 199; p. 299.
- Hercules Powder Company, Wilmington, Del. Dynamite. No. 95,318; Feb. 10; Gaz. vol. 199; p. 612.
- Hercules Powder Company, Wilmington, Del. Dynamite and gelatinous explosives, &c. Nos. 95,760-1; Mar. 10; Gaz. vol. 200; p. 578.

Alphabetical list of registrants of trade-marks—Continued.

- Hercules Powder Company, Wilmington, Del. Smokeless rifle-powder. No. 99,306; Aug. 25; Gaz. vol. 205; p. 1318.
- Hercules Powder Company, Wilmington, Del. High explosives. No. 99,462; Sept. 1; Gaz. vol. 206; p. 308.
- Herendeen, Charles, Chicago, Ill. Bread. No. 97,616; June 16; Gaz. vol. 203; p. 920.
- Hermes Company, The, Chicago, Ill. Shoe-polish. No. 99,099; Aug. 18; Gaz. vol. 205; p. 1015.
- Hero Manufacturing Co., Inc., The, Philadelphia, Pa. Certain named articles made of sheet metal. No. 96,290; Apr. 14; Gaz. vol. 201; p. 565.
- Herold Company, Phil, San Jose, Cal. Leather shoes. No. 99,463; Sept. 1; Gaz. vol. 206; p. 308.
- Herold Company, Phil, San Jose, Cal. Leather shoes. No. 100,328; Oct. 20; Gaz. vol. 207; p. 921.
- Herrmann, Aukam & Co., New York, N. Y. Handkerchiefs. Nos. 97,769-70; June 16; Gaz. vol. 203; p. 924.
- Herrmann, Aukam & Co., New York, N. Y. Handkerchiefs. Nos. 99,581-5; Sept. 8; Gaz. vol. 206; p. 584.
- Herrmann, Aukam & Co., New York, N. Y. Handkerchiefs. No. 100,549; Oct. 20; Gaz. vol. 207; p. 928.
- Herrmann, Aukam & Co., New York, N. Y. Handkerchiefs. No. 100,816; Oct. 27; Gaz. vol. 207; p. 1243.
- Herrmann, Aukam & Co., New York, N. Y. Handkerchiefs. No. 101,046; Nov. 10; Gaz. vol. 208; p. 651.
- Herrmann & Co., Morris, New York, N. Y. Insecticides. No. 96,964; May 12; Gaz. vol. 202; p. 628.
- Hershey, Charles G., Pittsburgh, Pa. Pure crude and petroleum oils for cuts, burns, skin diseases, &c. No. 96,133; Apr. 7; Gaz. vol. 201; p. 262.
- Hershey, Eusebius E., Philadelphia, Pa. Dish washers and driers. No. 96,291; Apr. 14; Gaz. vol. 201; p. 565.
- Herson Chemical Company, Gary, Ind. Tooth-paste. No. 98,953; Aug. 11; Gaz. vol. 205; p. 656.
- Herz, Alexander, New York, N. Y. Drinking straws or tubes. No. 95,619; Mar. 3; Gaz. vol. 200; p. 274.
- Hess-Bright Manufacturing Company, The, Philadelphia, Pa. Radial ball-bearings. No. 97,849; June 23; Gaz. vol. 203; p. 1256.
- Hess & Clark, Dr., Ashland, Ohio. Poultry food and tonic. No. 96,587; Apr. 21; Gaz. vol. 201; p. 901.
- Hexolene Lubricating Company Inc., New York, N. Y. Lubricating compounds, oils, and greases. No. 97,142; May 19; Gaz. vol. 202; p. 948.
- Hey Herb-Health Co., Dr., The, Gowanda, N. Y. Tonics for the female reproductive organs. No. 101,162; Nov. 17; Gaz. vol. 208; p. 980.
- Heymann, Max, New York, N. Y. Trade publication. No. 100,122; Oct. 6; Gaz. vol. 207; p. 294.
- Hezel Milling Company, East St. Louis, Ill. Self-rising wheat-flour. No. 96,414; Apr. 21; Gaz. vol. 201; p. 896.
- Hezel Milling Company, East St. Louis, Ill. Wheat-flour. No. 100,817; Oct. 27; Gaz. vol. 207; p. 1243.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Nails, screws, metal pipes and valves, traps. No. 96,013; Mar. 31; Gaz. vol. 200; p. 1386.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Enameled, steel, or iron ware. No. 98,660; July 28; Gaz. vol. 204; p. 1340.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Brushes. No. 99,152; Aug. 18; Gaz. vol. 205; p. 1017.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Washboards, wringers, and clothes-washers. No. 99,307; Aug. 25; Gaz. vol. 205; p. 1318.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Fender-finish, mixed paint, roof-coating, &c. No. 99,308; Aug. 25; Gaz. vol. 205; p. 1318.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Mouse, rat, and animal and game traps, incubators, &c. No. 99,741; Sept. 15; Gaz. vol. 206; p. 871.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Certain lighting apparatus and parts thereof, heating stoves and ranges, not electrical. No. 99,742; Sept. 15; Gaz. vol. 206; p. 871.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Bicycles, neck-yokes, toy wagons, &c. No. 100,329; Oct. 20; Gaz. vol. 207; p. 922.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Shotguns, ammunition-bags, and rifle-sheaths. No. 100,330; Oct. 20; Gaz. vol. 207; p. 922.
- Hibbs, Josephine L., deceased, Philadelphia, Pa.; W. L. and C. N. Levis and T. J. Close, executors. Hot-water-supply boilers and hot-water tanks. No. 101,386; Dec. 8; Gaz. vol. 209; p. 680.
- Hibernian Publishing Co., The, Boston, Mass. Weekly newspaper. No. 95,100; Feb. 3; Gaz. vol. 199; p. 299.
- Hicks, Edward D., Cranford, N. J., and New York, N. Y. Pencils, penholders, fountain-penholders of precious metal, and gold toothpicks. No. 95,828; Mar. 17; Gaz. vol. 200; p. 853.
- Hide-ite Leather Company, Brockton, Mass. Waterproof leather fiber-board. No. 96,293; Apr. 14; Gaz. vol. 201; p. 565.
- High Pressure Cellular Rubber Syndicate, Limited, The, London, England. India-rubber composition. No. 95,620; Mar. 3; Gaz. vol. 200; p. 274.
- Highland Shaker Sweater Company, Camden, N. J. Sweater-coats, sweaters, and cardigan jackets. No. 101,387; Dec. 8; Gaz. vol. 209; p. 680.
- Higley, Christina J., New York, N. Y. Hose-supporters. No. 99,586; Sept. 8; Gaz. vol. 206; p. 584.
- Higley, Christina J., New York, N. Y. Hose-supporters. No. 100,331; Oct. 20; Gaz. vol. 207; p. 922.
- Higmo Disinfectant Company, The, Boston, Mass. Deodorizers and disinfectants. No. 96,885; May 5; Gaz. vol. 202; p. 312.
- Hike-Dirt Manufacturing Co., Ltd., The, Grove City, Pa. Cleaning compound. No. 101,099; Nov. 10; Gaz. vol. 208; p. 653.
- Hill-Canton Dryer Company, Canton, Ohio. Drying-cabinets. No. 99,587; Sept. 8; Gaz. vol. 206; p. 584.
- Hill & Griffith Co., Cincinnati, Ohio. Boiler-cleaning compound. No. 98,521; July 21; Gaz. vol. 204; p. 1007.
- Hill & Griffith Co., The, Cincinnati, Ohio. Buffing and polishing compound. No. 99,100; Aug. 18; Gaz. vol. 205; p. 1015.
- Hill, Napoleon, Chicago, Ill. Candy. No. 98,520; July 21; Gaz. vol. 204; p. 1007.
- Hill, Wilbur M., Woodman, N. H. Popcorn. No. 96,416; Apr. 21; Gaz. vol. 201; p. 896.
- Hills Brothers Company, The, New York, N. Y. Dates. No. 99,309; Aug. 25; Gaz. vol. 205; p. 1318.
- Hind & Harrison Plush Co., The, New York and Clark Mills, N. Y. Fancy plushes in the piece. Nos. 97,698-9; June 16; Gaz. vol. 203; p. 922.
- Hind & Harrison Plush Co., The, New York and Clark Mills, N. Y. Fancy plushes in the piece. Nos. 97,850-4; June 23; Gaz. vol. 203; p. 1256.
- Hinde & Dauch Paper Co., The, Sandusky, Ohio. Pamphlets. No. 96,294; Apr. 14; Gaz. vol. 201; p. 565.
- Hinds, Aurelius S., Portland, Me. Liquid lotion or emulsion for the skin. No. 101,388; Dec. 8; Gaz. vol. 209; p. 680.
- Hirner, Emil A., Allentown, Pa. Hosiery. No. 97,054; May 19; Gaz. vol. 202; p. 946.
- Hirsch Brothers, Milwaukee, Wis. Fanning-mills, grain-separators, and grain and seed cleaning machines. No. 94,994; Jan. 20; Gaz. vol. 198; p. 699.
- Hirsch, Daniel, New York, N. Y. Umbrellas. No. 101,047; Nov. 10; Gaz. vol. 208; p. 651.
- Hirschberg & Co., New York, N. Y. Linen washable hat. No. 98,661; July 28; Gaz. vol. 204; p. 1340.
- Hirschman Shoe Co., Salt Lake City, Utah. Boots and shoes. No. 95,101; Feb. 3; Gaz. vol. 199; p. 299.
- Hirshfeld, Jerome, New York, N. Y. Block sugar. No. 98,522; July 21; Gaz. vol. 204; p. 1007.
- Hiscox Bros. Co., Patchogue, N. Y. Liquid soap for shampooing the hair and bathing. No. 99,743; Sept. 15; Gaz. vol. 206; p. 871.
- Hite, Joseph R., Pittsburgh, Pa. Certain medicines and remedies for certain named diseases. No. 101,389; Dec. 8; Gaz. vol. 209; p. 680.
- Hochstetter, Frederick W., assignor to H. P. Patents and Processes Company, Inc., New York, N. Y. Moving-picture machines and picture-films. Nos. 96,014-15; Mar. 31; Gaz. vol. 200; p. 1386.
- Hockensmith Wheel & Mine Car Company, Penn Station, Pa. Car-wheels. No. 100,332; Oct. 20; Gaz. vol. 207; p. 922.
- Hocking Valley Fire Clay Co., The, Nelsonville, Ohio. Bricks. No. 98,389; July 14; Gaz. vol. 204; p. 670.
- Hodges, Mollie B., Coal Hill, Ark. Blood remedy. No. 96,016; Mar. 31; Gaz. vol. 200; p. 1386.
- Hodshon Hat Co., Baltimore, Md. Hats and caps. No. 98,056; June 30; Gaz. vol. 203; p. 1552.
- Hoffbauer, Carl, New York, N. Y. Tapes on which are sewn garment-fasteners. No. 97,143; May 19; Gaz. vol. 202; p. 948.
- Hoffmann, Guillaume, Brussels, Belgium. Surgical bandages. No. 100,550; Oct. 20; Gaz. vol. 207; p. 928.
- Hoffmann-La Roche Chemical Works, The, New York, N. Y. Substitute for opium. No. 96,588; Apr. 21; Gaz. vol. 201; p. 901.
- Hoffmann, Theodore, Ardmore, Okla. Soda-water syrup. No. 101,495; Dec. 15; Gaz. vol. 209; p. 1050.
- Hofford, Ellis J., New York, N. Y. Stains and varnishes. No. 96,806; May 5; Gaz. vol. 202; p. 310.
- Hoffmann, Carl, New York, N. Y. Furniture-polish. No. 95,762; Mar. 10; Gaz. vol. 200; p. 578.
- Hog-Joy Company, The, Springfield, Ill. Machines for applying oil to animals. No. 98,776; Aug. 4; Gaz. vol. 205; p. 298.
- Hogle, Freeman C., Bay City, Mich. Knitted sweater-coats, undershirts, hoods, and caps. No. 96,886; May 5; Gaz. vol. 202; p. 312.
- Holbrook Grocery Co., The, Keene, Woodsville, and Nashua, N. H. Wheat-flour, coffee, and tea. No. 99,881; Sept. 22; Gaz. vol. 206; p. 1158.
- Holbrook Mfg. Co., The, Jersey City, N. J. Scouring-soap. No. 98,524; July 21; Gaz. vol. 204; p. 1007.
- Holbrook Raw Hide Company, Providence, R. I. Leather. No. 101,163; Nov. 17; Gaz. vol. 208; p. 980.
- Holbrook, Steinmann G., assignor to R. A. Brown, Brooklyn, N. Y. Cigarettes. No. 97,855; June 23; Gaz. vol. 203; p. 1256.
- Holcomb & Hoke Mfg. Co., Indianapolis, Ind. Popcorn-bags. No. 95,621; Mar. 3; Gaz. vol. 200; p. 274.

Alphabetical list of registrants of trade-marks—Continued.

- Holland Food Corporation, New York, N. Y. Condensed milk. No. 100,123; Oct. 6; Gaz. vol. 207; p. 294.
- Holland Rusk Company, Holland, Mich. Rusks. No. 96,135; Apr. 7; Gaz. vol. 201; p. 262.
- Holland Shoe Co., Holland, Mich. Leather boots and shoes and boot and shoe soles. No. 95,911; Mar. 24; Gaz. vol. 200; p. 1110.
- Holland, William, Slough, England. Polish and cleaning preparation for certain named articles. No. 98,777; Aug. 4; Gaz. vol. 205; p. 298.
- Hollinger, John W., Lancaster, Pa. Blend whisky. No. 95,429; Feb. 17; Gaz. vol. 199; p. 934.
- Hollingsworth Candy Company, Augusta, Ga. Candy. No. 96,417; Apr. 21; Gaz. vol. 201; p. 896.
- Hollister Drug Company, Madison, Wis. Medicinal preparation for certain named diseases. No. 96,017; Mar. 31; Gaz. vol. 200; p. 1386.
- Holliston Mills, Norwood, Mass. Cloth used in bookbinding. No. 94,995; Jan. 20; Gaz. vol. 198; p. 699.
- Holliston Mills, The, Norwood, Mass. Sized and stiffened cloth. No. 99,012; Aug. 11; Gaz. vol. 205; p. 658.
- Holliston Mills, The, Norwood, Mass. Colored, stiffened, and finished fabric. No. 99,464; Sept. 1; Gaz. vol. 206; p. 308.
- Holly Condensed Milk Co., Amity, Oreg. Condensed milk. No. 101,576; Dec. 29; Gaz. vol. 209; p. 1687.
- Holmes, Annie Z., Waco, Tex. Washing-powder. No. 97,421; June 2; Gaz. vol. 203; p. 300.
- Holmes, Charles N., Peoria, Ill. Salves. No. 98,779; Aug. 4; Gaz. vol. 205; p. 298.
- Holmes & Son, Washington, D. C. Bread. No. 100,822; Oct. 27; Gaz. vol. 207; p. 1243.
- Holophane Glass Co., New York, N. Y. Chandeliers, brackets, and pedestals for gas and electric lights. No. 98,283; July 7; Gaz. vol. 204; p. 314.
- Holophane Glass Co., New York, N. Y. Chandeliers, brackets, and pedestals for gas and electric lights. No. 98,662; July 28; Gaz. vol. 204; p. 1340.
- Holst & Co., R. H., New York, N. Y. Furniture-polish. No. 95,103; Feb. 3; Gaz. vol. 199; p. 299.
- Holt & Company, New York, N. Y. Wheat-flour. No. 95,622; Mar. 3; Gaz. vol. 200; p. 274.
- Holzhauser & Kenney, New Orleans, La. Imitation coffee. No. 99,214; Aug. 25; Gaz. vol. 205; p. 1315.
- Homan Manufacturing Company, The, Cincinnati, Ohio. Precious-metal electroplated hollow ware. No. 95,104; Feb. 3; Gaz. vol. 199; p. 299.
- Home Baking Company, The, Toledo, Ohio. Bread. No. 94,909; Jan. 13; Gaz. vol. 198; p. 490.
- Home Creamery Manufacturing Company, Owatonna, Minn. Combined churns and butter-workers. No. 95,105; Feb. 3; Gaz. vol. 199; p. 299.
- Home Guano Company, The, Dothan, Ala. Guano and fertilizers. No. 99,153; Aug. 18; Gaz. vol. 205; p. 1017.
- Home Remedy Company, Fredonia, N. Y. Liniment. No. 99,883; Sept. 22; Gaz. vol. 206; p. 1158.
- Home Remedy Company, Fredonia, N. Y. Kidney-pills. No. 101,464; Dec. 15; Gaz. vol. 209; p. 1049.
- Homer, Edward H., Winthrop, Mass. Candy. No. 97,975; June 30; Gaz. vol. 203; p. 1550.
- Honaker, Martin, Sen., Honaker, Va. Remedy for venereal diseases. No. 99,588; Sept. 8; Gaz. vol. 206; p. 584.
- Hood Rubber Company, Watertown, Mass. Rubber boots, shoes, overshoes, &c. No. 96,887; May 5; Gaz. vol. 202; p. 312.
- Hood Rubber Company, Watertown, Mass. Rubber boots and shoes and rubber-soled shoes. No. 99,589; Sept. 8; Gaz. vol. 206; p. 584.
- Hoover, George D., Des Moines, Iowa. Remedy for hay-fever, asthma, bronchitis, &c. No. 97,700; June 16; Gaz. vol. 203; p. 922.
- Hopfinger & Roth, St. Louis, Mo. Soap. No. 96,966; May 12; Gaz. vol. 202; p. 628.
- Hopkins, Rebecca A., Culver, Oreg. Hair-tonic. No. 94,996; Jan. 20; Gaz. vol. 198; p. 699.
- Hopkins & Son, Ferd. T., New York, N. Y. Skin-lotion. No. 98,954; Aug. 11; Gaz. vol. 205; p. 656.
- Hopkinsville Milling Co., Hopkinsville, Ky. Wheat-flour. No. 97,617; June 16; Gaz. vol. 203; p. 920.
- Hopkinsville Milling Co., Hopkinsville, Ky. Self-rising flour. No. 98,526; July 21; Gaz. vol. 204; p. 1007.
- Hopkinsville Milling Company, Hopkinsville, Ky. Wheat-flour. No. 97,976; June 30; Gaz. vol. 203; p. 1550.
- Hoquiam Lumber & Shingle Company, Hoquiam, Wash. Certain named building material. No. 99,465; Sept. 1; Gaz. vol. 206; p. 308.
- Hoquiam Packing Company, Hoquiam, Wash. Canned salmon and clams. No. 98,527; July 21; Gaz. vol. 204; p. 1007.
- Horace Clark & Sons Co., Peoria, Ill. Coal. No. 97,598; June 16; Gaz. vol. 203; p. 919.
- Horn & Brannen Mfg. Co., The, Philadelphia, Pa. Electric-lighting fixtures. No. 99,983; Sept. 29; Gaz. vol. 206; p. 1432.
- Hornbuckle, James P., Reidsville, N. C. Remedy for catarrh, headaches, coughs, colds, &c. No. 101,391; Dec. 8; Gaz. vol. 209; p. 680.
- Horton, Frank J., Youngstown, Ohio. Tea, coffee, spices, and flavoring extracts for foods. No. 98,150; July 7; Gaz. vol. 204; p. 310.
- Hostetter, Elmer B., Richwood, Ohio. Evaporated sweet corn. No. 99,311; Aug. 25; Gaz. vol. 205; p. 1318.
- Hot Springs Chemical Company, assignor to Chemical Specialty Company, Chicago, Ill. Perspiration and talcum powders, toilet creams, &c. No. 99,590; Sept. 8; Gaz. vol. 206; p. 584.
- Hotpoint Electric Heating Company, Ontario, Cal. Certain named electrically heating, heated, cooking utensils and the like. No. 95,624; Mar. 3; Gaz. vol. 200; p. 274.
- Hough, Arthur, Choisy, Quebec, Canada. Nitrating liquids. No. 100,706; Oct. 20; Gaz. vol. 207; p. 933.
- House of Childhood (Inc.), The, New York, N. Y. Geometrical insets, counters, and color-spools. No. 100,504; Oct. 20; Gaz. vol. 207; p. 927.
- Howard Bros. Chemical Co., Buffalo, N. Y. Eye-salve and eye-water. No. 95,543; Feb. 24; Gaz. vol. 199; p. 1240.
- Howard, George H., Dalston, London, England. Game apparatus. No. 98,780; Aug. 4; Gaz. vol. 205; p. 298.
- Howard H. Hanks Company, The, Chicago, Ill. Poultry food. No. 97,613; June 16; Gaz. vol. 203; p. 919.
- Howe Rubber Co., Newark, N. J. Ankle-protectors and hot-water bags. No. 96,295; Apr. 14; Gaz. vol. 201; p. 565.
- Howell, Alexander J., Syracuse, N. Y. Certain named foods. No. 98,151; July 7; Gaz. vol. 204; p. 310.
- Howery-Taylor Milling Co., Inc., Roanoke, Va. Wheat-flour. No. 96,418; Apr. 21; Gaz. vol. 201; p. 896.
- Hoy, John S., Albany, N. Y. Boilers. Nos. 101,165-7; Nov. 17; Gaz. vol. 208; p. 980.
- Hoyt, Arthur S., New York, N. Y. Candies. No. 97,977; June 30; Gaz. vol. 203; p. 1550.
- Huber, Benno, Seattle, Wash. Drink or substitute for coffee. No. 98,528; July 21; Gaz. vol. 204; p. 1007.
- Huck, Jacob G., Englewood, Colo. Medicine for certain named diseases. No. 95,282; Feb. 10; Gaz. vol. 199; p. 611.
- Hudkins, Cletus C., Jane Lew, W. Va. Preparations for treating certain ailments of man and live stock. No. 99,393; Aug. 25; Gaz. vol. 205; p. 1321.
- Hudson Condensed Milk Co., Inc., New York, N. Y. Sweetened condensed milk. No. 101,289; Nov. 24; Gaz. vol. 208; p. 1352.
- Hudson Mechanical Rubber Company, Trenton, N. J., and New York, N. Y. Composition for making washers, gaskets, packing, &c. No. 99,744; Sept. 15; Gaz. vol. 206; p. 871.
- Hudson & Thurber Co., Minneapolis, Minn. Hose and packing made from certain named materials. No. 99,215; Aug. 25; Gaz. vol. 205; p. 1315.
- Huegely Milling Company, Nashville, Ill. Wheat-flour. No. 97,978; June 30; Gaz. vol. 203; p. 1550.
- Huff, William H., Los Angeles, Cal. Games and puzzles. No. 97,055; May 19; Gaz. vol. 202; p. 946.
- Hughes, George W., Birmingham, England. Steel pens. No. 99,050; Aug. 11; Gaz. vol. 205; p. 659.
- Hughes, James F., New York, N. Y. Golf-game apparatus, &c. No. 100,333; Oct. 20; Gaz. vol. 207; p. 922.
- Hughes, John R., Spokane, Wash. Preparations for treatment of colds, headaches, &c. No. 99,984; Sept. 29; Gaz. vol. 206; p. 1432.
- Huiskamp Bros. Co., The, Keokuk, Iowa. Leather boots and shoes. No. 101,484; Dec. 15; Gaz. vol. 209; p. 1050.
- Hull, Alfred S., Hinesburg, Vt., assignor to Crystalina Company. Proprietary medicine used as a skin-lotion. No. 96,136; Apr. 7; Gaz. vol. 201; p. 262.
- Hull & Dillon Pkg. Co., The, Pittsburg, Kans. Lard. No. 99,051; Aug. 11; Gaz. vol. 205; p. 659.
- Hulman & Co., Terra Haute, Ind. Certain named foods. No. 101,066; Nov. 10; Gaz. vol. 208; p. 652.
- Hulse Brothers & Daniel Co., New York, N. Y. Umbrellas. No. 100,334; Oct. 20; Gaz. vol. 207; p. 922.
- Human Hair Goods Industry, New York, N. Y. Human hair. No. 100,824; Oct. 27; Gaz. vol. 207; p. 1243.
- Humphreys Cannon & Co., Memphis, Tenn. Coffee. No. 97,211; May 26; Gaz. vol. 202; p. 1253.
- Hunold, Ernest, Providence, R. I. Heel and sole protectors for boots and shoes. No. 97,538; June 9; Gaz. vol. 203; p. 597.
- Hunt, Albert B., New York, N. Y. Tablets for the stomach and breath. No. 99,154; Aug. 18; Gaz. vol. 205; p. 1017.
- Hunt & Van Nice, Denver, Colo. Embroideries. No. 96,137; Apr. 7; Gaz. vol. 201; p. 262.
- Hunter, Campbell M., London, England. Exhausters and burners for heating-furnaces. No. 96,677; Apr. 28; Gaz. vol. 201; p. 1214.
- Huntley Manufacturing Company, Silver Creek, N. Y. Grain separating and cleaning machinery. No. 96,808; May 5; Gaz. vol. 202; p. 310.
- Huntsman, Robert F. R., New York, N. Y. Cigars and cigarettes. No. 97,539; June 9; Gaz. vol. 203; p. 597.
- Hursh, William T., Mansfield, Ohio. Liver-tablets. No. 101,393; Dec. 8; Gaz. vol. 209; p. 680.
- Hurst & Company, John E., Baltimore, Md. Work-shirts and overalls. No. 100,707; Oct. 20; Gaz. vol. 207; p. 933.
- Husler Milling & Elevator Company, The, Salt Lake City, Utah. Wheat-flour. No. 98,152; July 7; Gaz. vol. 204; p. 310.

Alphabetical list of registrants of trade-marks—Continued.

- Husted Milling Company, Buffalo, N. Y. Cornmeal. No. 96,515; Apr. 21; Gaz. vol. 201; p. 898.
- Hustisford Canning Co., Hustisford, Wis. Canned vegetables. No. 95,912; Mar. 24; Gaz. vol. 200; p. 1110.
- Hustisford Canning Co., Hustisford, Wis. Canned vegetables. No. 96,567; Apr. 21; Gaz. vol. 201; p. 900.
- Huston, Joseph A., Brownsville, Pa. Mange-killer. No. 101,465; Dec. 15; Gaz. vol. 209; p. 1049.
- Hutchings, Charles W., New York, N. Y., assignor to Indexo Company Inc. Tooth-brushes. No. 97,329; June 2; Gaz. vol. 203; p. 297.
- Hutchins, George P., Lomontville, N. Y. Hams, bacon, smoked beef, and sausage. No. 101,251; Nov. 17; Gaz. vol. 208; p. 983.
- Hutchins, Jesse M., Lake Charles, La. Preparation for the treatment of consumption, &c. No. 99,591; Sept. 8; Gaz. vol. 206; p. 584.
- Hutchinson Oil Company, The, Hutchinson, Kans. Harness-oil dressing. No. 99,745; Sept. 15; Gaz. vol. 206; p. 871.
- Huttig Sash & Door Co., St. Louis, Mo. Certain named construction materials. No. 99,312; Aug. 25; Gaz. vol. 205; p. 1318.
- Hy-Polish Products Company, The, Cleveland, Ohio. Furniture and woodwork polish. No. 96,138; Apr. 7; Gaz. vol. 201; p. 262.
- Hyams & Company, Walter, New York, N. Y. Newspaper-clippings. No. 96,678; Apr. 28; Gaz. vol. 201; p. 1214.
- Hyatt Roller Bearing Co., Harrison, N. J. Roller-bearings and parts thereof. No. 95,625; Mar. 3; Gaz. vol. 200; p. 274.
- Hyde Windlass Co., Bath, Me. Ship-propellers. No. 97,580; June 9; Gaz. vol. 203; p. 598.
- Hydraulic-Press Brick Company, St. Louis, Mo. Brick. No. 97,856; June 23; Gaz. vol. 203; p. 1256.
- Hydraulic Press Manufacturing Company, The, Mount Gilead, Ohio. Certain named cutlery, hydraulic machinery, and parts thereof. No. 95,106; Feb. 3; Gaz. vol. 199; p. 299.
- Hydro Carbon Company, Wichita, Kans. Portable vapor-lamps. No. 98,285; July 7; Gaz. vol. 204; p. 314.
- Hydronite, Limited, London, England. Fuel-economizing compound. No. 97,330; June 2; Gaz. vol. 203; p. 297.
- Hygenol Company, The, Minneapolis, Minn. Skin-cream. No. 97,476; June 9; Gaz. vol. 203; p. 595.
- I. Blyn & Sons, New York, N. Y. Leather boots and shoes. No. 98,357; July 14; Gaz. vol. 204; p. 669.
- I. Levinstein & Co. Inc., Boston, Mass. Water-soluble oils. No. 97,707; June 16; Gaz. vol. 203; p. 922.
- I. Trager Co., The, Cincinnati, Ohio. Whisky. No. 97,573; June 9; Gaz. vol. 203; p. 598.
- I. B. Kleinert Rubber Company, New York, N. Y. Dress-shields. No. 97,864; June 23; Gaz. vol. 203; p. 1256.
- I. B. Kleinert Rubber Company, New York, N. Y. Dress-shields. No. 98,665; July 28; Gaz. vol. 204; p. 1340.
- I. B. Kleinert Rubber Company, New York, N. Y. Dress-shields. Nos. 98,786-8; Aug. 4; Gaz. vol. 205; p. 298.
- I. B. Kleinert Rubber Company, New York, N. Y. Dress-shields. No. 98,876; Aug. 4; Gaz. vol. 205; p. 301.
- I. B. Kleinert Rubber Company, New York, N. Y. Dress-shields. Nos. 99,104-6; Aug. 18; Gaz. vol. 205; p. 1016.
- I. B. Kleinert Rubber Company, New York, N. Y. Dress-shields. Nos. 99,158-60; Aug. 18; Gaz. vol. 205; p. 1017.
- I. B. Kleinert Rubber Company, New York, N. Y. Dress and garment shields. No. 100,351; Oct. 20; Gaz. vol. 207; p. 922.
- I. B. Kleinert Rubber Company, New York, N. Y. Waterproof baby-pants. No. 101,070; Nov. 10; Gaz. vol. 208; p. 652.
- I. B. Kleinert Rubber Company, New York, N. Y. Dress-shields. No. 101,401; Dec. 8; Gaz. vol. 209; p. 680.
- Iceless Refrigeration Company, The, Cleveland, Ohio. Refrigerating apparatus. No. 98,781; Aug. 4; Gaz. vol. 205; p. 298.
- Idan-Ha Woollen Mills, Findlay, Ohio. Men's coats, vests, trousers, and rain-coats. No. 97,477; June 9; Gaz. vol. 203; p. 595.
- Ideal Clamp M'fg. Company, Inc., The, Brooklyn, N. Y. Clamps and ground-clamps for clamping hose, &c. No. 97,540; June 9; Gaz. vol. 203; p. 597.
- Ideal Clothing Company, The, Grand Rapids, Mich. Men's clothing. No. 96,296; Apr. 14; Gaz. vol. 201; p. 565.
- Ihlers & Bell, Limited, Liverpool, England. Beer. No. 100,335; Oct. 20; Gaz. vol. 207; p. 922.
- Ikeda, Kenzo, New York, N. Y. Tea. No. 99,746; Sept. 15; Gaz. vol. 206; p. 871.
- Illinois Iron & Bolt Co., Carpentersville, Ill. Anvils. No. 96,679; Apr. 28; Gaz. vol. 201; p. 1214.
- Illinois Iron & Bolt Co., Carpentersville, Ill. Jack-screws. No. 96,888; May 5; Gaz. vol. 202; p. 312.
- Illinois Iron & Bolt Co., Carpentersville, Ill. Springs for vehicles other than automobiles. No. 97,242; May 26; Gaz. vol. 202; p. 1254.
- Illinois Midland Coal Company, Chicago, Ill. Coal. No. 101,170; Nov. 17; Gaz. vol. 208; p. 980.
- Immell Bait Co., Blair, Wis. Artificial bait. No. 98,390; July 14; Gaz. vol. 204; p. 670.
- Imperial Candy Co., Seattle, Wash. Candy. No. 99,216; Aug. 25; Gaz. vol. 205; p. 1315.
- Imperial Candy Co., Seattle, Wash. Candy. No. 99,592; Sept. 8; Gaz. vol. 206; p. 584.
- Imperial Glass Company, Bellaire, Ohio. Table-glassware. Nos. 97,422-3; June 2; Gaz. vol. 203; p. 300.
- Imperial Glass Company, Bellaire, Ohio. Pressed and blown table-glassware. No. 99,747; Sept. 15; Gaz. vol. 206; p. 871.
- Imperial Glass Company, Bellaire, Ohio. Table-glassware. No. 99,748; Sept. 15; Gaz. vol. 206; p. 871.
- Imperial Liquor Company, Seattle, Wash. Scotch blend whisky. No. 98,391; July 14; Gaz. vol. 204; p. 670.
- Imperial Merchandise Co., The, Perry, Ohio. Toilet-paper. No. 95,913; Mar. 24; Gaz. vol. 200; p. 1110.
- Imperial Player Roll Company, Chicago, Ill. Music-sheets for musical-instrument players. No. 99,466; Sept. 1; Gaz. vol. 206; p. 308.
- Imperial Rubber Co., New York, N. Y. Certain named electrical supplies. No. 99,985; Sept. 29; Gaz. vol. 206; p. 1432.
- Imperial Rubber Co., New York, N. Y. Mixed paints and varnishes. No. 99,986; Sept. 29; Gaz. vol. 206; p. 1432.
- Imperial Rubber Co., New York, N. Y. Certain named hose, belting, gaskets, &c. No. 100,825; Oct. 27; Gaz. vol. 207; p. 1243.
- Improved Sanitary Fixture Company, Los Angeles, Cal. Bath-tubs, washstands, bowls, closets, &c. No. 100,554; Oct. 20; Gaz. vol. 207; p. 928.
- Independent Grocers Associated Baking Company, The, Columbus, Ohio. Bread. No. 101,394; Dec. 8; Gaz. vol. 209; p. 680.
- Indera Mills, Winston-Salem, N. C. Knit and woven underwear. No. 98,955; Aug. 11; Gaz. vol. 205; p. 656.
- Indera Mills, Winston-Salem, N. C. Knit and woven underwear. No. 99,052; Aug. 11; Gaz. vol. 205; p. 659.
- Inderrieden Canning Co., Chicago, Ill. Canned vegetables. Nos. 98,392-5; July 14; Gaz. vol. 204; p. 670.
- Indexo Company Inc. (See Hutchings, Charles W., assignor.)
- India Refining Company, Philadelphia, Pa. Cocoa-butter substitute. No. 98,286; July 7; Gaz. vol. 204; p. 314.
- India Rubber, Gutta Percha and Telegraph Works Co., Ltd., The, Silvertown, London, England. Cordage, rope, twine, and string. No. 98,396; July 14; Gaz. vol. 204; p. 670.
- Indian Head Coal & Mining Company, Connellsville, Pa. Coal. No. 95,626; Mar. 3; Gaz. vol. 200; p. 274.
- Indian Refining Company, Inc., Augusta, Me., and New York, N. Y. Certain named oils and greases. No. 100,826; Oct. 27; Gaz. vol. 207; p. 1243.
- Indian Refining Company, Augusta, Me., and New York, N. Y. Petroleum lubricating-oil. No. 101,290; Nov. 24; Gaz. vol. 208; p. 1352.
- Indiana Chemical Company, Jonesboro, Ind. Certain pharmaceutical preparations. No. 99,593; Sept. 8; Gaz. vol. 206; p. 584.
- Indianapolis Abattoir Company, Indianapolis, Ind. Sausages. No. 95,431; Feb. 17; Gaz. vol. 199; p. 934.
- Indianapolis Abattoir Company, Indianapolis, Ind. Hams, shoulders, backs, jowls, &c. No. 98,529; July 21; Gaz. vol. 204; p. 1007.
- Indianapolis Abattoir Company, Indianapolis, Ind. Certain named foods. No. 98,530; July 21; Gaz. vol. 204; p. 1007.
- Industrial Appliance Company, Chicago, Ill. Gas for maturing and bleaching flour. No. 100,827; Oct. 27; Gaz. vol. 207; p. 1243.
- Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y. Fluid-operated hammer-drills. No. 95,627; Mar. 3; Gaz. vol. 200; p. 274.
- Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y. Fluid-operated rotary drills and riveting and chipping hammers. No. 99,987; Sept. 29; Gaz. vol. 206; p. 1432.
- Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y. Air-feed hammer-drills. No. 100,828; Oct. 27; Gaz. vol. 207; p. 1243.
- Innovation Shirt Company, New York, N. Y. Certain named clothing. No. 95,914; Mar. 24; Gaz. vol. 200; p. 1110.
- Innovation Shirt Company, New York, N. Y. Certain named clothing, underwear, and athletic garments. No. 96,297; Apr. 14; Gaz. vol. 201; p. 565.
- Innovation Trunk Company, New York, N. Y. Wardrobes and hangers for same. No. 97,701; June 16; Gaz. vol. 203; p. 922.
- Innovation Trunk Company, New York, N. Y. Trunks, portmanteaus, portfolios, and travelers' bags. No. 98,663; July 28; Gaz. vol. 204; p. 1340.
- Ino Manufacturing Company, Nashville, Tenn. Compounds for cleansing the hands and clothing. No. 95,763; Mar. 10; Gaz. vol. 200; p. 578.
- Integral Waterproofing Company, Jersey City, N. J., and New York, N. Y. Waterproofing material for incorporating in concrete, cement, or the like. No. 98,287; July 7; Gaz. vol. 204; p. 314.
- Inter-American Pharmacal Corporation, New York, N. Y. Medicines for nervous affections. No. 98,153; July 7; Gaz. vol. 204; p. 310.
- Inter-State Brewing Co., The, Sioux City, Iowa. Malt tonic. No. 101,577; Dec. 29; Gaz. vol. 209; p. 1687.

Alphabetical list of registrants of trade-marks—Continued.

- International Acheson Graphite Company, Niagara Falls, N. Y. Lubricant. No. 97,857; June 23; Gaz. vol. 203; p. 1256.
- International Buckle Company, New Britain, Conn. Certain named baggage and horse equipments. No. 100,336; Oct. 20; Gaz. vol. 207; p. 922.
- International Channelling Machines Limited, Sheffield, England. Coal-cutters, rock and hammer drills, and parts thereof. No. 99,053; Aug. 11; Gaz. vol. 205; p. 659.
- International Druggists' & Chemists' Laboratories, Inc., The, New York, N. Y. Medicinal preparations for treating certain named diseases. No. 96,590; Apr. 21; Gaz. vol. 201; p. 901.
- International Harvester Company of America, Chicago, Ill. Periodical. No. 96,967; May 12; Gaz. vol. 202; p. 628.
- International Harvester Company of New Jersey, Chicago, Ill. Reapers and parts thereof. No. 95,109; Feb. 3; Gaz. vol. 199; p. 299.
- International Harvester Company of New Jersey, Chicago, Ill. Knife-heads for mowers. No. 95,321; Feb. 10; Gaz. vol. 199; p. 612.
- International Harvester Company of New Jersey, Chicago, Ill. Certain named machines and separate parts thereof. No. 95,764; Mar. 10; Gaz. vol. 200; p. 578.
- International Harvester Company of New Jersey, Chicago, Ill. Harrows and parts thereof. No. 96,022; Mar. 31; Gaz. vol. 200; p. 1386.
- International Harvester Company of New Jersey, Chicago, Ill. Grain-drills and parts thereof. No. 96,023; Mar. 31; Gaz. vol. 200; p. 1386.
- International Harvester Company of New Jersey, Chicago, Ill. Harrows and parts thereof. No. 96,024; Mar. 31; Gaz. vol. 200; p. 1386.
- International Harvester Company of New Jersey, Chicago, Ill. Disk harrows and parts thereof. No. 97,858; June 23; Gaz. vol. 203; p. 1256.
- International Harvester Company of New Jersey, Chicago, Ill. Certain named machines and parts thereof. Nos. 100,977-80; Nov. 3; Gaz. vol. 203; p. 334.
- International Harvester Company of New Jersey, Chicago, Ill. Mowers and parts thereof. No. 100,981; Nov. 3; Gaz. vol. 203; p. 334.
- International Harvester Corporation, Chicago, Ill. Internal-combustion engines and parts thereof. No. 95,108; Feb. 3; Gaz. vol. 199; p. 299.
- International Harvester Corporation, Chicago, Ill. Tractors and parts thereof. No. 95,432; Feb. 17; Gaz. vol. 199; p. 934.
- International Harvester Corporation, Chicago, Ill. Cream-separators and parts thereof. No. 95,433; Feb. 17; Gaz. vol. 199; p. 934.
- International Harvester Corporation, Chicago, Ill. Manure-spreaders and parts thereof. No. 95,434; Feb. 17; Gaz. vol. 199; p. 934.
- International Harvester Corporation, Chicago, Ill. Tractors and parts thereof. No. 95,628; Mar. 3; Gaz. vol. 200; p. 274.
- International Harvester Corporation, Chicago, Ill. Internal-combustion engines and parts thereof. Nos. 96,018-19; Mar. 31; Gaz. vol. 200; p. 1386.
- International Harvester Corporation, Chicago, Ill. Cream-separators and parts thereof. No. 96,020; Mar. 31; Gaz. vol. 200; p. 1386.
- International Harvester Corporation, Chicago, Ill. Seed-planters and parts thereof. No. 96,021; Mar. 31; Gaz. vol. 200; p. 1386.
- International Harvester Corporation, Chicago, Ill. Wagons and parts thereof. No. 96,298; Apr. 14; Gaz. vol. 201; p. 565.
- International Harvester Corporation, Chicago, Ill. Internal-combustion engines and parts thereof. Nos. 97,243-5; May 26; Gaz. vol. 202; p. 1254.
- International Harvester Corporation, Chicago, Ill. Internal-combustion engines and parts thereof. No. 99,749; Sept. 15; Gaz. vol. 206; p. 871.
- International Oxygen Company, Waverly, N. Y., and New York, N. Y. Torches for use in oxo-hydric and oxo-acetylene cutting and welding. No. 98,155; July 7; Gaz. vol. 204; p. 310.
- International Paper Company, New York, N. Y. Concentrated waste lyes of the sulfite-cellulose manufacture. No. 98,154; July 7; Gaz. vol. 204; p. 310.
- International Steam Pump Company, Jersey City, N. J. Pumps and well-heads. No. 99,013; Aug. 11; Gaz. vol. 205; p. 658.
- International Supply Co., Hartford, Conn. Liniment. No. 96,889; May 5; Gaz. vol. 202; p. 312.
- International Tooth Company, Philadelphia, Pa. Artificial teeth. No. 98,782; Aug. 4; Gaz. vol. 205; p. 298.
- Internationale Cacao-fabrieken Limited, Amsterdam, Netherlands. Cocoa, chocolate, and cocoa-butter. No. 101,171; Nov. 17; Gaz. vol. 208; p. 980.
- Internationale Galalith-Gesellschaft Hoff & Co., Harburg-on-the-Elbe, Germany. Artificial horn made from casein. No. 95,629; Mar. 3; Gaz. vol. 200; p. 274.
- Internationale Galalith-Gesellschaft Hoff & Co., Harburg-on-the-Elbe, Germany. Technical casein. Nos. 95,630-1; Mar. 3; Gaz. vol. 200; p. 274.
- Interocean Oil Company, The, Pierre, S. D., and New York, N. Y. Lubricants. No. 99,988; Sept. 29; Gaz. vol. 206; p. 1432.
- Interstate Cotton Oil Refining Co., Sherman, Tex. Lard substitute. No. 96,419; Apr. 21; Gaz. vol. 201; p. 896.
- Interstate Cotton Oil Refining Co., Sherman, Tex. Lard substitute. No. 98,288; July 7; Gaz. vol. 204; p. 314.
- Interstate Cotton Oil Refining Co., Sherman, Tex. Shortening. No. 98,531; July 21; Gaz. vol. 204; p. 1007.
- Interwoven Stocking Company, New Brunswick, N. J. Hosiery. No. 96,591; Apr. 21; Gaz. vol. 201; p. 901.
- Interwoven Stocking Company, New Brunswick, N. J. Hosiery. No. 100,337; Oct. 20; Gaz. vol. 207; p. 922.
- Invincible Grain Cleaner Co., Silver Creek, N. Y. Grain-cleaning machinery and the like. No. 97,541; June 9; Gaz. vol. 203; p. 597.
- Invincible Grain Cleaner Co., The, Silver Creek, N. Y. Magnetic and electromagnetic separators. No. 97,702; June 16; Gaz. vol. 203; p. 922.
- Iowa Soap Co., Burlington, Iowa. Soap. No. 99,885; Sept. 22; Gaz. vol. 206; p. 1158.
- Irvin, W. C., Talladega, Ala. Remedy for chills, fever, and malaria. No. 99,394; Aug. 25; Gaz. vol. 205; p. 1321.
- Isaac A. Sheppard & Co., Philadelphia, Pa. House-heating boilers. No. 101,426; Dec. 8; Gaz. vol. 209; p. 681.
- Italian Importing Company, Des Moines, Iowa. Olive-oil. No. 98,289; July 7; Gaz. vol. 204; p. 314.
- Ives, Fannie L., Meriden, Conn. Vegetable pickles, condiments, and relishes. No. 95,915; Mar. 24; Gaz. vol. 200; p. 1110.
- J. Allen Smith & Company, Knoxville, Tenn. Self-rising wheat-flour. Nos. 99,249-50; Aug. 25; Gaz. vol. 205; p. 1316.
- J. Allen Smith & Company, Knoxville, Tenn. Wheat-flour. No. 99,806; Sept. 15; Gaz. vol. 206; p. 872.
- J. Allen Smith & Company, Knoxville, Tenn. Self-rising wheat-flour. No. 100,901; Oct. 27; Gaz. vol. 207; p. 1245.
- J. Einstein, Inc., New York, N. Y. Elastic textiles. No. 99,089; Aug. 18; Gaz. vol. 205; p. 1015.
- J. English & Son Limited, Redditch, England. Needles, toilet, hair, and knitting pins, bodkins, and crochet-hooks. No. 98,650; July 28; Gaz. vol. 204; p. 1340.
- J. English & Son Limited, Redditch, England. Toilet-pins and hand-sewing needles. No. 100,299; Oct. 20; Gaz. vol. 207; p. 921.
- J. English & Son Limited, Redditch, England. Needles for hand-sewing. No. 100,300; Oct. 20; Gaz. vol. 207; p. 921.
- J. English & Son Limited, Redditch, England. Needles for hand-sewing and knitting-pins. No. 100,301; Oct. 20; Gaz. vol. 207; p. 921.
- J. English & Son Limited, Redditch, England. Pins and needles. No. 100,529; Oct. 20; Gaz. vol. 207; p. 927.
- J. Henry Koenig Co., The, Cincinnati, Ohio. Teas, spices, and rice. No. 96,424; Apr. 21; Gaz. vol. 201; p. 896.
- J. Hoare & Company, Corning, N. Y. Cut and engraved glass. No. 96,965; May 12; Gaz. vol. 202; p. 628.
- J. Hungerford Smith Co., Rochester, N. Y. Flavoring-syrup for non-alcoholic beverages. No. 96,199; Apr. 7; Gaz. vol. 201; p. 264.
- J. Hungerford Smith Co., Rochester, N. Y. Flavoring-syrup for non-alcoholic beverages. Nos. 97,005-6; May 12; Gaz. vol. 202; p. 629.
- J. Myer Co., New York, N. Y. Celery tonic. No. 100,138; Oct. 6; Gaz. vol. 207; p. 295.
- J. A. Folger & Company, San Francisco, Cal. Coffee. Nos. 95,211-14; Feb. 3; Gaz. vol. 199; p. 302.
- J. A. Folger & Company, San Francisco, Cal. Coffee. No. 95,901; Mar. 24; Gaz. vol. 200; p. 1110.
- J. A. Folger & Company, San Francisco, Cal. Tea. No. 97,964; June 30; Gaz. vol. 203; p. 1550.
- J. A. Folger & Company, San Francisco, Cal. Tea. No. 100,114; Oct. 6; Gaz. vol. 207; p. 294.
- J. A. Pozzoni Pharmacal Co., The, Chicago, Ill. Complexion-powders, rouge, and rice-powder. No. 99,401; Aug. 25; Gaz. vol. 205; p. 1321.
- J. B. Brooks & Company, Limited, Birmingham, England. Trunks, portmanteaus, boxes, bags, &c. No. 98,628; July 28; Gaz. vol. 204; p. 1339.
- J. B. Greenhut Co., formerly Greenhut-Siegel Cooper Co., Inc., New York, N. Y. Coffee. No. 99,732; Sept. 15; Gaz. vol. 206; p. 870.
- J. B. Greenhut Co., formerly Greenhut-Siegel Cooper Co., Inc., New York, N. Y. Coffee. Nos. 100,116-18; Oct. 6; Gaz. vol. 207; p. 294.
- J. B. Williams Company, The, Glastonbury, Conn. Toilet soap. No. 95,276; Feb. 3; Gaz. vol. 199; p. 304.
- J. B. Williams Company, Glastonbury, Conn. Shaving and toilet soaps. No. 96,075; Mar. 31; Gaz. vol. 200; p. 1388.
- J. B. Williams Company, Glastonbury, Conn. Toilet powder. No. 97,382; June 2; Gaz. vol. 203; p. 299.
- J. C. Ayer Co., Lowell, Mass. Remedy for certain named diseases. No. 96,084; Apr. 7; Gaz. vol. 201; p. 261.
- J. C. Ayer Co., Lowell, Mass. Cathartic pills. No. 96,085; Apr. 7; Gaz. vol. 201; p. 261.
- J. C. Ayer Co., Lowell, Mass. Remedy for the affections of the lungs and throat. No. 96,086; Apr. 7; Gaz. vol. 201; p. 261.

Alphabetical list of registrants of trade-marks—Continued.

- J. C. Ayer Co., Lowell, Mass. Hair-tonic. No. 96,087; Apr. 7; Gaz. vol. 201; p. 261.
- J. C. Ayer Co., Lowell, Mass. General tonic and remedy for treating certain named diseases. No. 96,388; Apr. 21; Gaz. vol. 201; p. 895.
- J. C. Ayer Company, Lowell, Mass. Cathartic pills. No. 94,976; Jan. 20; Gaz. vol. 198; p. 699.
- J. C. Ayer Company, Lowell, Mass. Certain medicines, hair-vigor, and a laxative and digestive tonic. No. 94,977; Jan. 20; Gaz. vol. 198; p. 699.
- J. C. Ayer Company, Lowell, Mass. Hair tonics and dressings. No. 95,729; Mar. 10; Gaz. vol. 200; p. 577.
- J. C. Blair Co., Huntingdon, Pa. Certain paper and tablets and envelops and blank books. No. 97,207; May 26; Gaz. vol. 202; p. 1253.
- J. C. Blair Company, Huntingdon, Pa. Certain paper and tablets, envelops, and blank books. No. 101,359; Dec. 8; Gaz. vol. 209; p. 679.
- J. C. Hirschman Company, The, Indianapolis, Ind. Cushions, pillows, and mattresses. No. 96,514; Apr. 21; Gaz. vol. 201; p. 898.
- J. D. Riedel Aktiengesellschaft, Berlin, Germany. Lecithin, a food ingredient. No. 95,944; Mar. 24; Gaz. vol. 200; p. 1111.
- J. D. Riedel Aktiengesellschaft, Berlin, Germany. Internal disinfectants. No. 99,786; Sept. 15; Gaz. vol. 206; p. 872.
- J. & D. Lehman Co., New York, N. Y. Kid gloves. No. 98,403; July 14; Gaz. vol. 204; p. 670.
- J. & D. Lehman Co., New York, N. Y. Kid gloves. Nos. 98,668-72; July 28; Gaz. vol. 204; p. 1340.
- J. E. Baker Co., York, Pa. Lining material for furnaces, &c. No. 95,731; Mar. 10; Gaz. vol. 200; p. 577.
- J. E. Limeburner Company, The, Philadelphia, Pa. Spectacles, eyeglasses, ophthalmoscopes, and retinoscopes. No. 99,322; Aug. 25; Gaz. vol. 205; p. 1319.
- J. F. Lenigan Co., New York, N. Y. Coats, trousers, waistcoats, and overcoats. No. 100,567; Oct. 20; Gaz. vol. 207; p. 929.
- J. F. Pyle & Son, San Jose, Cal. Sauces and canned fruit and vegetables. No. 99,360; Aug. 25; Gaz. vol. 205; p. 1320.
- J. F. Pyle & Son, San Jose, Cal. Sauces and canned fruits and vegetables. No. 100,886; Oct. 27; Gaz. vol. 207; p. 1245.
- J. G. Brill Company, Philadelphia, Pa. Car-trucks. No. 98,627; July 28; Gaz. vol. 204; p. 1339.
- J. & G. Butler Co., The, Columbus, Ohio. Whisky. No. 96,781; May 5; Gaz. vol. 202; p. 309.
- J. H. Faw, Inc., New York, N. Y. Spark-plugs. No. 101,511; Dec. 22; Gaz. vol. 209; p. 1313.
- J. H. Newbauer & Co., San Francisco, Cal. Certain named foods. No. 99,398; Aug. 25; Gaz. vol. 205; p. 1321.
- J. H. Way & Sons Co., Philadelphia, Pa. Certain named clothing. No. 100,461; Oct. 20; Gaz. vol. 207; p. 925.
- J. H. White Mfg. Co., New York, N. Y. Certain named parts for chandeliers and lighting-fixtures. No. 98,347; July 7; Gaz. vol. 204; p. 316.
- J. H. White Mfg. Co., New York, N. Y. Certain named articles for chandeliers and lighting-fixtures. No. 99,266; Aug. 25; Gaz. vol. 205; p. 1317.
- J. H. Williams & Co., New York, N. Y. Certain named machine and other tools and parts thereof. No. 95,381; Feb. 10; Gaz. vol. 199; p. 614.
- J. H. Williams & Co., New York, N. Y. Certain named machine-tools, machine-tool attachments, and tools. No. 96,074; Mar. 31; Gaz. vol. 200; p. 1388.
- J. H. Williams & Co., New York, N. Y. Metal forgings. No. 98,228; July 7; Gaz. vol. 204; p. 312.
- J. J. Badenoch Co., Chicago, Ill. Poultry feed. No. 98,115; July 7; Gaz. vol. 204; p. 309.
- J. & J. Cash, Limited, Coventry, England, and New York, N. Y. Bath-gloves and certain named clothing for ladies and children. No. 94,882; Jan. 13; Gaz. vol. 198; p. 490.
- J. K. Armsby Co., The, San Francisco, Cal. Dried fruits. No. 94,858; Jan. 13; Gaz. vol. 198; p. 489.
- J. K. Armsby Co., Chicago, Ill., and San Francisco, Cal. Canned fruits and vegetables and dried fruits. No. 95,974; Mar. 31; Gaz. vol. 200; p. 1385.
- J. K. Armsby Co., The, San Francisco, Cal. Salmon. No. 96,082; Apr. 7; Gaz. vol. 201; p. 261.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. Canned vegetables. No. 96,385; Apr. 21; Gaz. vol. 201; p. 895.
- J. K. Armsby Co., The, San Francisco, Cal. Milk, butter, and walnuts. No. 96,770; May 5; Gaz. vol. 202; p. 309.
- J. K. Armsby Co., The, San Francisco, Cal. Pineapple and grape juices. No. 101,121; Nov. 17; Gaz. vol. 208; p. 979.
- J. K. Armsby Co., The, San Francisco, Cal. Salt and baking-powder. No. 101,439; Dec. 15; Gaz. vol. 209; p. 1049.
- J. K. Armsby Company, San Francisco, Cal. Certain named foods. No. 96,929; May 12; Gaz. vol. 202; p. 627.
- J. K. Armsby Company, The, Chicago, Ill., and San Francisco, Cal. Catsup, pickles, olive-oil, &c. No. 99,835; Sept. 22; Gaz. vol. 206; p. 1157.
- J. L. Hopkins & Co., New York, N. Y. Soaps. No. 95,623; Mar. 3; Gaz. vol. 200; p. 274.
- J. M. Chanut & Cie. Inc., New York, N. Y. Kid gloves. No. 96,643; Apr. 28; Gaz. vol. 201; p. 1213.
- J. O. C. Union, Los Angeles, Cal. Prints and publications. No. 98,835; Aug. 4; Gaz. vol. 205; p. 300.
- J. P. O'Brien & Co. Limited, Liverpool, England. Ale and stout. No. 98,077; June 30; Gaz. vol. 203; p. 1553.
- J. R. Newberry Co., Los Angeles, Cal. Coffee. No. 98,837; Aug. 4; Gaz. vol. 205; p. 301.
- J. R. Newberry Co., Los Angeles, Cal. Coffee. No. 98,963; Aug. 11; Gaz. vol. 205; p. 656.
- J. R. Richardson Company, Wilmington, Del. Coffee. No. 95,718; Mar. 3; Gaz. vol. 200; p. 276.
- J. S. Barnett & Sons, Inc., Rochester, N. Y., and Lynn, Mass. Calfskin leather. No. 101,558; Dec. 29; Gaz. vol. 209; p. 1687.
- J. S. Fry and Sons, Limited, Bristol, England. Milk-chocolate. No. 95,420; Feb. 17; Gaz. vol. 199; p. 934.
- J. S. McKenzie & Company, Inc., New York, N. Y. Canned sardines, herring, and salmon. No. 96,153; Apr. 7; Gaz. vol. 201; p. 263.
- J. S. McKenzie & Company, Inc., New York, N. Y. Canned salmon, corn, and peaches. Nos. 97,991-2; June 30; Gaz. vol. 203; p. 1550.
- J. S. Merrell Drug Co., St. Louis, Mo. Preparation for making hot drinks. No. 100,374; Oct. 20; Gaz. vol. 207; p. 923.
- J. S. Ziegler Company, Chicago, Ill. Orange-flavored beverage. No. 95,188; Feb. 3; Gaz. vol. 199; p. 301.
- J. T. McMillan Company, St. Paul, Minn. Ham and bacon. No. 95,456; Feb. 17; Gaz. vol. 199; p. 935.
- J. W. Beardsley's Sons, New York, N. Y. Vegetable extract. No. 96,392; Apr. 21; Gaz. vol. 201; p. 895.
- J. W. Buckley Rubber Co., New York, N. Y. Rubber tubing, rubber, &c., hose, and belting. Nos. 95,054-5; Feb. 3; Gaz. vol. 199; p. 297.
- J. W. Buckley Rubber Co., New York, N. Y. Rubber tubing and certain named hose, belting, and packing. No. 97,818; June 23; Gaz. vol. 203; p. 1255.
- J. W. Quinn Drug Company, Greenwood, Miss. Certain medicines and remedies for certain named diseases. No. 99,498; Sept. 1; Gaz. vol. 206; p. 309.
- J. W. & A. P. Howard & Co. Ltd., Corry, Pa. Sole-leather. No. 100,823; Oct. 27; Gaz. vol. 207; p. 1243.
- J. W. & A. P. Howard & Co., Ltd., Corry, Pa. Sole-leather. No. 101,288; Nov. 24; Gaz. vol. 208; p. 1351.
- Jaburg Brothers, New York, N. Y. Noodles. No. 95,916; Mar. 24; Gaz. vol. 200; p. 1110.
- Jaburg Brothers, New York, N. Y. Coffees. No. 97,056; May 19; Gaz. vol. 202; p. 946.
- Jackerott, Theodore N., New York, N. Y. Certain named foods. No. 101,067; Nov. 10; Gaz. vol. 208; p. 652.
- Jackman, Will H., Genoa, Ill. Remedy for asthma, hay-fever, catarrh, and nervous disorders. No. 95,253; Feb. 3; Gaz. vol. 199; p. 303.
- Jackson, B. F., Arcade, N. Y. Preparation for the treatment of certain named ailments. No. 98,532; July 21; Gaz. vol. 204; p. 1007.
- Jackson, Carl D., New York, N. Y. Marble and stone. No. 96,809; May 5; Gaz. vol. 202; p. 310.
- Jacob J. Vollrath Mfg. Co., The, Sheboygan, Wis. Kettles. No. 95,181; Feb. 3; Gaz. vol. 199; p. 301.
- Jacob Ruppert, New York, N. Y. Beer. No. 97,897; June 23; Gaz. vol. 203; p. 1257.
- Jacobs, Morris L., New York, N. Y. Metal alloy. No. 98,157; July 7; Gaz. vol. 204; p. 310.
- Jacobs' Pharmacy Company, Atlanta, Ga. Medicine for removing corns. No. 95,765; Mar. 10; Gaz. vol. 200; p. 578.
- Jacobson, Haven E., New York, N. Y. Washing compound. No. 101,252; Nov. 10; Gaz. vol. 208; p. 983.
- Jaffe, Henach, Cleveland, Ohio. Medical preparation to relieve itching and skin diseases. No. 100,982; Nov. 3; Gaz. vol. 208; p. 334.
- James & Co., T. M., New York, N. Y. Window-shades. No. 100,338; Oct. 20; Gaz. vol. 207; p. 922.
- James H. Moffett & Co., Inc., New York, N. Y. Undershirts, drawers, and union suits. No. 96,709; Apr. 28; Gaz. vol. 201; p. 1215.
- James H. Rhodes & Company, Chicago, Ill. Coarse-powder cleaner for polishing metal. No. 101,595; Dec. 29; Gaz. vol. 209; p. 1688.
- James Heekin Company, The, Cincinnati, Ohio. Coffee. No. 94,907; Jan. 13; Gaz. vol. 198; p. 490.
- James, John W., Jr., Brooklyn, N. Y. Medical compound for cathartic purposes. No. 99,886; Sept. 22; Gaz. vol. 206; p. 1158.
- James Pyle & Sons, Edgewater, N. J. Washing-powder. No. 97,439; June 2; Gaz. vol. 203; p. 301.
- James S. Kirk & Company, Chicago, Ill. Cologne. No. 96,025; Mar. 31; Gaz. vol. 200; p. 1386.
- James S. Kirk & Company, Chicago, Ill. Perfume, bay-rum, and hair-tonic. No. 97,704; June 16; Gaz. vol. 203; p. 922.
- James S. Kirk & Company, Chicago, Ill. Talcum powder, toilet water, and cold-cream. No. 98,062; June 30; Gaz. vol. 203; p. 1552.
- James S. Kirk & Company, Chicago, Ill. Toilet soap. No. 98,536; July 21; Gaz. vol. 204; p. 1007.
- James, William T., Chicago, Ill. Preparation for cleaning and washing the mouth, gums, throat, &c. No. 101,172; Nov. 17; Gaz. vol. 208; p. 980.

Alphabetical list of registrants of trade-marks—Continued.

- Jamieson & Co., Alexander, New York, N. Y. Madras muslins, lace and drapery fabrics, and cotton goods. No. 95,829; Mar. 17; Gaz. vol. 200; p. 853.
- Japanol Enamel Company, Islington, London, England. Enamel in the nature of paint. No. 99,155; Aug. 18; Gaz. vol. 205; p. 1017.
- Jardine, William H., Philadelphia, Pa. Ventilators. No. 100,829; Oct. 27; Gaz. vol. 207; p. 1243.
- Jarrosson, Les Fils de L., Lyon, France. Certain named textile fabrics known as piece goods. No. 100,362; Oct. 20; Gaz. vol. 207; p. 923.
- Jarvis, Anna, Philadelphia, Pa. Cartons, boxes, and receptacle-bags. No. 97,246; May 26; Gaz. vol. 202; p. 1254.
- Jarvis, Anna, Philadelphia, Pa. Certain named prints and publications. No. 97,424; June 2; Gaz. vol. 203; p. 300.
- Jarvis, Anna, Philadelphia, Pa. Trading-slips, tags, labels, &c. No. 97,859; June 23; Gaz. vol. 203; p. 1256.
- Jas. S. Mason Co., Philadelphia, Pa. Shoe, boot, and leather dressings. No. 101,587; Dec. 29; Gaz. vol. 209; p. 1688.
- Jay Chocolate Company, Boston, Mass. Candy. No. 101,578; Dec. 29; Gaz. vol. 209; p. 1687.
- Jaynes Drug Co., Boston, Mass. Creams for certain ailments, skin eruptions and inflammations. No. 101,291; Nov. 24; Gaz. vol. 208; p. 1352.
- Jaynes Drug Co., Boston, Mass. Wafers and preparations for headaches, neuralgic pains, &c. No. 101,292; Nov. 24; Gaz. vol. 208; p. 1352.
- Jaynes Drug Co., Boston, Mass. Liquid extracts and washes for external use. No. 101,293; Nov. 24; Gaz. vol. 208; p. 1352.
- Jaynes Drug Co., Boston, Mass. Insecticides for exterminating roaches and water-bugs. No. 101,396; Dec. 8; Gaz. vol. 209; p. 680.
- Jaynes Drug Co., Boston, Mass. Preparations for certain named diseases and physical conditions. No. 101,397; Dec. 8; Gaz. vol. 209; p. 680.
- Jaynes Drug Co., Boston, Mass. Powder for certain conditions of the feet, chafed skin, and deodorizing the skin. No. 101,398; Dec. 8; Gaz. vol. 209; p. 680.
- Jaynes Drug Co., Boston, Mass. Laxatives. No. 101,399; Dec. 8; Gaz. vol. 209; p. 680.
- Jaynes Drug Co., Boston, Mass. Preparations for throat and bronchial troubles, asthma, &c. No. 101,400; Dec. 8; Gaz. vol. 209; p. 680.
- Jean Company, C. W., New York, N. Y. Apparatus for preparing copying-cloths. No. 98,158; July 7; Gaz. vol. 204; p. 310.
- Jefferson, George F., Houston, Tex. Bread, biscuit, cake, cracker meal and chips. No. 96,968; May 12; Gaz. vol. 202; p. 628.
- Jefferson Glass Company, The, Follansbee, W. Va. Glass lamp shades and globes. No. 95,111; Feb. 3; Gaz. vol. 199; p. 299.
- Jefferson Pickle Company, Incorporated, Richmond, Va. Certain named pickled food products. No. 101,579; Dec. 29; Gaz. vol. 209; p. 1687.
- Jeffery Dewitt Co., Detroit, Mich. Spark-plugs and electrical terminal clips. No. 94,988; Jan. 20; Gaz. vol. 198; p. 699.
- Jeffrey Manufacturing Company, The, Columbus, Ohio. Electrical mining-locomotives. No. 97,247; May 26; Gaz. vol. 202; p. 1254.
- Jeffrey Manufacturing Company, Columbus, Ohio. Machinery for making incisions or cuts in rock, coal, &c. No. 101,466; Dec. 15; Gaz. vol. 209; p. 1049.
- Jellico Grocery Company, Jellico, Tenn. Coffee. No. 99,751; Sept. 15; Gaz. vol. 206; p. 871.
- Jellico Grocery Company, Jellico, Tenn. Coffee. No. 100,213; Oct. 13; Gaz. vol. 207; p. 605.
- Jenkins, John J., Los Angeles, Cal. Glove-cleaning compounds. No. 101,101; Nov. 10; Gaz. vol. 208; p. 653.
- Jennings, Robert G., Elmira, N. Y. Certain named underwear for women and children. No. 96,299; Apr. 14; Gaz. vol. 201; p. 565.
- Jesse French Piano & Organ Company, St. Louis, Mo. Pianos and player-pianos. No. 101,095; Nov. 10; Gaz. vol. 208; p. 653.
- Jetter Brewing Company, South Omaha, Nebr. Beer. No. 97,249; May 26; Gaz. vol. 202; p. 1254.
- Jewett, C. W., Bemidji, Minn. Monthly magazine. No. 98,664; July 28; Gaz. vol. 204; p. 1340.
- Jno. E. Magerl & Co., Camden, N. J., and Philadelphia, Pa. Woolen piece goods. No. 100,367; Oct. 20; Gaz. vol. 207; p. 923.
- Joannes-Splane Co., The, Los Angeles, Cal. Certain named foods. No. 101,580; Dec. 29; Gaz. vol. 209; p. 1687.
- John Blaul's Sons Co., Burlington, Iowa. Wrapping, toilet, tissue, and writing paper, tablets, and envelopes. No. 101,090; Nov. 10; Gaz. vol. 208; p. 653.
- John C. Hein Company, Pittsburgh, Pa. Certain named foods. No. 97,615; June 16; Gaz. vol. 203; p. 920.
- John Chatillon & Sons, New York, N. Y. Weighing machines and scales. No. 99,947; Sept. 29; Gaz. vol. 206; p. 1431.
- John Dewsbury & Son Limited, Walsall, England. Certain named horse equipments. No. 95,306; Feb. 10; Gaz. vol. 199; p. 611.
- John Eichler Brewing Co., The, New York, N. Y. Beer. No. 96,261; Apr. 14; Gaz. vol. 201; p. 564.
- John Eichler Brg. Co., The, New York, N. Y. Beer. No. 96,117; Apr. 7; Gaz. vol. 201; p. 262.
- John English Baking Company, Troy, N. Y. Bread. No. 101,510; Dec. 22; Gaz. vol. 209; p. 1313.
- John F. Jelke Co., Chicago, Ill. Oleomargarin. No. 97,248; May 26; Gaz. vol. 202; p. 1254.
- John G. Norgall Exterminating Company, New York, N. Y. Rodent-exterminators. No. 97,723; June 16; Gaz. vol. 203; p. 923.
- John G. Woodward & Co. (Inc.), Council Bluffs, Iowa. Candy. No. 99,830; Sept. 15; Gaz. vol. 206; p. 873.
- John Graf Company, Milwaukee, Wis. Weiss beer, soda, seltzer, and mineral waters, and ginger-ales. No. 99,578; Sept. 8; Gaz. vol. 206; p. 584.
- John H. Woodbury Dermatological Institute, New York, N. Y.; A. G. Stiles, trustee, assignor, by mesne assignments, to The Andrew Jergens Co. Hair-tonic, scalp cleaner and cream, skin-lotion, and massage-cream. No. 101,612; Dec. 29; Gaz. vol. 209; p. 1688.
- John Hoberg Co., The, Green Bay, Wis. Toilet-paper. No. 101,447; Dec. 15; Gaz. vol. 209; p. 1049.
- John Hoberg Company, The, Green Bay, Wis. Toilet-paper. Nos. 100,205-12; Oct. 13; Gaz. vol. 207; p. 605.
- John Hoffmann & Sons Co., Milwaukee, Wis. Coffee. No. 96,134; Apr. 7; Gaz. vol. 201; p. 262.
- John Hoffmann & Sons Co., Milwaukee, Wis. Coffee. No. 98,523; July 21; Gaz. vol. 204; p. 1007.
- John J. Fulton Company, Pierre, S. D., and San Francisco, Cal. Medicinal preparations. No. 95,709; Mar. 3; Gaz. vol. 200; p. 276.
- John Jacques & Son, Limited, London, England. Game. No. 97,772; June 16; Gaz. vol. 203; p. 924.
- John Kelly, Inc., Rochester, N. Y. Boots, shoes, and slippers. No. 99,316; Aug. 25; Gaz. vol. 205; p. 1318.
- John Line & Sons, Limited, London, England. Paints, enamels, and varnishes. Nos. 99,477-8; Sept. 1; Gaz. vol. 206; p. 309.
- John M. Given, Inc., Pittsburgh, Pa.; New York, N. Y., and Chicago, Ill. Hosiery. Nos. 101,378-9; Dec. 8; Gaz. vol. 209; p. 679.
- John Mares Limited, Basingstoke, England. Certain named clothing for gentlemen, ladies, girls, and boys. No. 95,774; Mar. 10; Gaz. vol. 200; p. 578.
- John P. Dousman Milling Company, De Pere, Wis. Wheat-flour. No. 99,859; Sept. 22; Gaz. vol. 206; p. 1157.
- John Sexton & Co., Chicago, Ill. Soap, scouring-powder, wash-day compounds, window, floor, and wall-paper cleaners, metal-polish. No. 98,574; July 21; Gaz. vol. 204; p. 1008.
- John Sexton & Company, Chicago, Ill. Grape-juice. No. 96,196; Apr. 7; Gaz. vol. 201; p. 264.
- John Sexton & Company, Chicago, Ill. Certain named foods. No. 101,053; Nov. 10; Gaz. vol. 208; p. 651.
- John T. Stier and Sons, Louisville, Ky. Cigars and smoking-tobacco. No. 101,231; Nov. 17; Gaz. vol. 208; p. 982.
- John Wanamaker, New York, New York, N. Y. Corsets. No. 95,965; Mar. 24; Gaz. vol. 200; p. 1112.
- John Wanamaker, Philadelphia, Philadelphia, Pa. Gloves. No. 95,856; Mar. 17; Gaz. vol. 200; p. 854.
- John Wanamaker, Philadelphia, Philadelphia, Pa. Leather shoes. No. 96,761; Apr. 28; Gaz. vol. 201; p. 1217.
- John Wedderburn Co., The, Washington, D. C. Whisky. Nos. 95,499-502; Feb. 17; Gaz. vol. 199; p. 936.
- John Wedderburn Co., The, Washington, D. C. Whisky. No. 98,346; July 7; Gaz. vol. 204; p. 316.
- John Wildi Evaporated Milk Co., The, Columbus, Ohio. Evaporated milk. No. 100,676; Oct. 20; Gaz. vol. 207; p. 932.
- John Wildi Evaporated Milk Co., The, Columbus, Ohio. Evaporated milk. Nos. 100,734-6; Oct. 20; Gaz. vol. 207; p. 934.
- John Wilking Co. Inc., New York, N. Y. Preparation for the expulsion of uric acid from the blood, &c. No. 100,189; Oct. 6; Gaz. vol. 207; p. 269.
- John Wilson (Gildersome) Ltd., Gildersome, England. Cloths and stuffs. No. 100,678; Oct. 20; Gaz. vol. 207; p. 932.
- John Wyeth & Brother, Incorporated, Philadelphia, Pa. Expectoant pharmaceutical compound. No. 94,845; Jan. 6; Gaz. vol. 198; p. 236.
- John Wyeth & Brother, Incorporated, Philadelphia, Pa. Medicinal nutrient and tonic pharmaceutical compound. No. 98,029; June 30; Gaz. vol. 203; p. 1551.
- Johnson, Anders G., Chicago, Ill. Compound for removing carbon. No. 100,555; Oct. 20; Gaz. vol. 207; p. 928.
- Johnson Biscuit Company, Sioux City, Iowa. Chocolates. No. 97,057; May 19; Gaz. vol. 202; p. 946.
- Johnson Educator Food Co., Boston, Mass. Crackers. No. 98,874; Aug. 4; Gaz. vol. 205; p. 301.
- Johnson, Irvén E., Mineral Wells, Tex. Natural mineral water. No. 99,469; Sept. 1; Gaz. vol. 206; p. 308.
- Johnson, John H., Boston, Mass. Cigars. No. 100,708; Oct. 20; Gaz. vol. 207; p. 933.
- Johnson & Johnson, New Brunswick, N. J. Surgical dressings, rubber protectives, and first-aid cases. No. 96,680; Apr. 28; Gaz. vol. 201; p. 1214.
- Johnson & Johnson, New Brunswick, N. J. Medicinal plasters, digestive tablets, fumigators, &c. No. 97,478; June 9; Gaz. vol. 203; p. 595.

Alphabetical list of registrants of trade-marks—Continued.

- Johnson & Johnson, New Brunswick, N. J. First-aid cases. No. 98,057; June 30; Gaz. vol. 203; p. 1552.
- Johnson & Johnson, New Brunswick, N. J. Shaving-soap. No. 99,101; Aug. 18; Gaz. vol. 205; p. 1016.
- Johnson-Layne Coffee Company, The, St. Louis, Mo. Coffee. No. 99,217; Aug. 25; Gaz. vol. 205; p. 1316.
- Johnson, Melville E., Palatka, Fla. Certain named citrus fruit. No. 96,140; Apr. 7; Gaz. vol. 201; p. 262.
- Johnson, Nestor, Chicago, Ill. Skates. No. 100,339; Oct. 20; Gaz. vol. 207; p. 922.
- Johnson-Richardson Co., Limited, The, Montreal, Quebec, Canada. Laundry blue. No. 97,479; June 9; Gaz. vol. 203; p. 595.
- Johnston & Larimer Dry Goods Co., Wichita, Kans. Overalls, jackets, jumpers, and work-shirts. No. 101,174; Nov. 17; Gaz. vol. 208; p. 980.
- Johnstown Automobile Co., The, Johnstown, Pa. Friction-tape for wheel-tires and vulcanizing-cement. No. 100,556; Oct. 20; Gaz. vol. 207; p. 928.
- Johnstown Automobile Co., The, Johnstown, Pa. Inner tubes, blow-out patches, tire-boots, &c. No. 100,830; Oct. 27; Gaz. vol. 207; p. 1243.
- Jones Agency Company, The, Denver, Colo. Paper, blank books, printed forms, and stationery. No. 95,634; Mar. 3; Gaz. vol. 200; p. 274.
- Jones, Hafford, Tampa, Fla. Smoking-tobacco and snuff. No. 101,175; Nov. 17; Gaz. vol. 208; p. 980.
- Jones, James M., Hamilton, Ontario, Canada; Buffalo and New York, N. Y., and Chicago, Ill. Safety-guards for wood-working machinery and power-presses. No. 101,294; Nov. 24; Gaz. vol. 208; p. 1352.
- Jones, James T. L., Baltimore, Md. Tea. No. 95,917; Mar. 24; Gaz. vol. 200; p. 1110.
- Jones, Richard M., Louisville, Ky. Compound for drying printing-ink. No. 98,058; June 30; Gaz. vol. 203; p. 1552.
- Jordan Marsh Company, Boston, Mass. Imitation pearls. No. 96,700; Apr. 28; Gaz. vol. 201; p. 1215.
- Jordan Marsh Company, Boston, Mass. Corsets. No. 100,578; Oct. 20; Gaz. vol. 207; p. 929.
- Jordan's Foot Remedy Company, Boston, Mass. Ointment for the feet. No. 96,681; Apr. 28; Gaz. vol. 201; p. 1215.
- Joseph Hensler Brewing Company, The, Newark, N. J. Malt beverages. No. 99,580; Sept. 8; Gaz. vol. 206; p. 584.
- Joseph N. Eisendrath Company, The, Chicago, Ill. Periodical publications. No. 97,829; June 23; Gaz. vol. 203; p. 1255.
- Joseph Ross & Company, Irvington, N. J. Manicure and toilet tools. No. 98,423; July 14; Gaz. vol. 204; p. 671.
- Joseph Sankey and Sons, Limited, Bilston, England. Iron and steel blooms, billets, bars, and sheets. No. 98,428; July 14; Gaz. vol. 204; p. 671.
- Joseph Sankey & Sons Limited, Bilston, England. Sheet-metal transformer and dynamo plates. No. 100,035; Sept. 29; Gaz. vol. 206; p. 1434.
- Joseph Sankey & Sons, Limited, Bilston, England. Metal wheels and stampings in metal for motor-vehicles. No. 100,425; Oct. 20; Gaz. vol. 207; p. 924.
- Joseph T. Ryerson & Son, Chicago, Ill. Printed books. No. 95,265; Feb. 3; Gaz. vol. 199; p. 303.
- Joseph W. Schloss Co., New York, N. Y. Bonnet-wire. No. 98,702; July 28; Gaz. vol. 204; p. 1341.
- Josey-Miller Co., Beaumont, Tex. Poultry feed. No. 100,831; Oct. 27; Gaz. vol. 207; p. 1243.
- Josey-Miller Co., Beaumont, Tex. Horse and cattle feed. Nos. 100,832-3; Oct. 27; Gaz. vol. 207; p. 1243.
- Jowers, Solomon F., Rockford, Ala. Remedies for neuralgia. No. 99,595; Sept. 8; Gaz. vol. 206; p. 585.
- Joy-o Chemical Company, Toledo, Ohio. Cleaner. No. 98,290; July 7; Gaz. vol. 204; p. 314.
- Juda Brothers, New York, N. Y. Dresses and outer skirts. No. 96,301; Apr. 14; Gaz. vol. 201; p. 565.
- Jug Chemical Co., The, Jonesboro, Ark. Medicinal tonics, liniments, cough-syrups, laxatives, &c. No. 97,480; June 9; Gaz. vol. 203; p. 595.
- Julius King Optical Company, New York, N. Y. Protection-glasses. No. 99,991; Sept. 29; Gaz. vol. 206; p. 1432.
- Julius Schmid, Inc., Astoria, N. Y. Certain named medical and surgical appliances. No. 95,357; Feb. 10; Gaz. vol. 199; p. 613.
- Julius Schmid, Inc., Astoria, N. Y. Rubber ice-bags. No. 100,434; Oct. 20; Gaz. vol. 207; p. 925.
- Junghanns & Kolosche, Leipzig, Germany. Electric motors, generators, and dynamo-machines. No. 98,159; July 7; Gaz. vol. 204; p. 310.
- K. Landau & Co., Chicago, Ill. Ladies' hair-nets and face-chamois. No. 99,108; Aug. 18; Gaz. vol. 205; p. 1016.
- K. & E. Blouse Makers, Cleveland, Ohio. Blouses, rompers, shirt-waists, and children's frocks. No. 98,998; Aug. 11; Gaz. vol. 205; p. 657.
- K. W. Ignition Company, Cleveland, Ohio. Shock-absorbers for road-vehicles. No. 95,544; Feb. 24; Gaz. vol. 199; p. 1240.
- K-W Ignition Company, The, Cleveland, Ohio. Shock-absorbers for vehicles. No. 100,340; Oct. 20; Gaz. vol. 207; p. 922.
- Kabo Corset Company, Chicago, Ill. Garters and arm-bands. No. 99,314; Aug. 25; Gaz. vol. 205; p. 1318.
- Kabushiki-Kaisha Shibaura Seisakujo, Tokyo, Japan. Certain named electric generators and transformers, motors switchboards, fuses, &c. No. 95,918; Mar. 24; Gaz. vol. 200; p. 1110.
- Kadiak Fisheries Co., Seattle, Wash. Canned salmon. Nos. 99,596-8; Sept. 8; Gaz. vol. 206; p. 585.
- Kadiak Fisheries Co., Seattle, Wash. Canned salmon. No. 99,752; Sept. 15; Gaz. vol. 206; p. 871.
- Kafka, Rothenstein Co., Bradford, England. Wool, worsted, and hair piece goods. No. 99,315; Aug. 25; Gaz. vol. 205; p. 1318.
- Kahl, J. Arnold, New York, N. Y. Linen, cotton, silk, woolen, &c., piece goods. No. 95,832; Mar. 17; Gaz. vol. 200; p. 853.
- Kahn, Arthur J., New York, N. Y. Knitting-needles, crochet hooks, shuttles, &c. No. 100,834; Oct. 27; Gaz. vol. 207; p. 1243.
- Kahn & Frank, New York, N. Y. Underwear. No. 97,250; May 26; Gaz. vol. 202; p. 1254.
- Kahn, Théodore, Jennings, La. Garment-weights. No. 94,817; Jan. 6; Gaz. vol. 198; p. 235.
- Kaiser, Fr., Waiblingen, Germany. Fly-catchers. No. 99,887; Sept. 22; Gaz. vol. 206; p. 1158.
- Kaitz, Isidor, New York, N. Y. Ladies' shirt-waists. No. 100,835; Oct. 27; Gaz. vol. 207; p. 1243.
- Kalaka Company, The, Augusta, Me., and Chicago, Ill. Mixture of seed and fertilizers. No. 99,218; Aug. 25; Gaz. vol. 205; p. 1316.
- Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Periodical business publications. No. 97,481; June 9; Gaz. vol. 203; p. 595.
- Kalle & Co., Aktiengesellschaft, Biebrich, Germany. Certain compounds in certain forms used as disinfectants. No. 94,997; Jan. 20; Gaz. vol. 198; p. 699.
- Kalle & Co., Aktiengesellschaft, Biebrich, Germany. Bacilli preparations for the treatment of tuberculosis, &c. No. 99,470; Sept. 1; Gaz. vol. 206; p. 308.
- Kalle & Co., Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Preparations for the treatment of syphilis, lupus, &c. No. 100,983; Nov. 3; Gaz. vol. 208; p. 334.
- Kamlee Company, The, Milwaukee, Wis. Trunks, suitcases, and traveling-bags. No. 100,557; Oct. 20; Gaz. vol. 207; p. 928.
- Kampfe Bros., New York, N. Y. Shaving-brushes. No. 94,910; Jan. 13; Gaz. vol. 198; p. 491.
- Kane, Marshall C., Hollis, N. Y. Medicated ointment and a medicinal preparation for rheumatism, &c. No. 98,783; Aug. 4; Gaz. vol. 205; p. 298.
- Kann Sons & Co., S., Washington, D. C. Hooks and eyes. No. 99,102; Aug. 18; Gaz. vol. 205; p. 1016.
- Kansas City Oil Co., Kansas City, Kans. Illuminating and lubricating oils. No. 94,998; Jan. 20; Gaz. vol. 198; p. 699.
- Kansas City Paper House, Kansas City, Mo. Writing-paper and envelopes. No. 100,341; Oct. 20; Gaz. vol. 207; p. 922.
- Kansas City Wholesale Grocery Co., Kansas City, Mo. Certain named foods. No. 97,058; May 19; Gaz. vol. 202; p. 946.
- Kansas Milling Company, Wichita and St. John, Kans. Wheat-flour. No. 98,291; July 7; Gaz. vol. 204; p. 314.
- Kansas Milling & Export Co., The, Kansas City, Mo. Wheat-flour. No. 96,141; Apr. 7; Gaz. vol. 201; p. 262.
- Kanter & Son, N., Cleveland, Ohio. Hair-tonic and toilet water. No. 99,471; Sept. 1; Gaz. vol. 206; p. 308.
- Kantorowicz & Co., Breslau, Germany. Glue. No. 100,343; Oct. 20; Gaz. vol. 207; p. 922.
- Karola Electric Laboratories Co., Baltimore, Md. Storage batteries. No. 100,984; Nov. 3; Gaz. vol. 208; p. 334.
- Kasprowicz, Firm of B., Gnesen, Germany. Brandy. No. 96,682; Apr. 28; Gaz. vol. 201; p. 1215.
- Kasprowicz, Firm of B., Gnesen, Germany. Brandy. No. 100,985; Nov. 3; Gaz. vol. 208; p. 334.
- Kastler, Edward L., Racine, Wis. Corn cereal foods. No. 100,214; Oct. 13; Gaz. vol. 207; p. 605.
- Kastler, Edward L., Racine, Wis. Corn cereal foods. No. 100,709; Oct. 20; Gaz. vol. 207; p. 933.
- Kathreiners Malzkaffee-Fabriken G. m. b. H., Berlin, Germany. Malt coffee. No. 96,969; May 12; Gaz. vol. 202; p. 628.
- Katz & Besthoff, Ltd., New Orleans, La. Perfumery extracts, toilet waters, and face, &c., powders. Nos. 97,482-3; June 9; Gaz. vol. 203; pp. 595-6.
- Katz & Besthoff, Ltd., New Orleans, La. Perfumes, toilet waters, and sachet-powders. No. 98,161; July 7; Gaz. vol. 204; p. 310.
- Katz & Besthoff, Ltd., New Orleans, La. Perfumes and powders. No. 98,162; July 7; Gaz. vol. 204; p. 310.
- Katz & Besthoff, Ltd., New Orleans, La. Perfumes, toilet waters, and powders. No. 98,163; July 7; Gaz. vol. 204; p. 310.
- Katz Brothers Leather Goods Co., New York, N. Y. Dress-suit cases and traveling-bags. No. 99,599; Sept. 8; Gaz. vol. 206; p. 585.
- Katz, Louis B., New York, N. Y. Domestic rectified spirits. No. 98,160; July 7; Gaz. vol. 204; p. 310.
- Katz & Sons, K., Baltimore, Md. Coats, trousers, vests, and overcoats. No. 100,342; Oct. 20; Gaz. vol. 207; p. 922.
- Kaufherr & Co., Newark, N. J. Hides and skins. No. 95,112; Feb. 3; Gaz. vol. 199; p. 299.

Alphabetical list of registrants of trade-marks—Continued.

- Kaufmann, Dr. Ludwig, Wilmersdorf, near Berlin, Germany. Pharmaceutical preparations for skin and women's diseases. No. 97,979; June 30; Gaz. vol. 203; p. 1550.
- Kaufmann, Gustav, New York, N. Y. Pipes, cigar and cigarette holders, and parts thereof. No. 98,059; June 30; Gaz. vol. 203; p. 1552.
- Kavanagh, W. H. J., Chicago, Ill. Certain named melons, cantaloups, and fresh celery. No. 98,292; July 7; Gaz. vol. 204; p. 314.
- Kay Brothers Limited, Stockport, England. Fly-catchers and fly-papers. No. 97,619; June 16; Gaz. vol. 203; p. 920.
- Kayser, Ellison & Co. Limited, Sheffield, England. Certain named machine-tools. No. 95,113; Feb. 3; Gaz. vol. 199; p. 299.
- Keagy, Edwin J. W., Altoona, Pa. Non-alcoholic beverage. No. 97,860; June 23; Gaz. vol. 203; p. 1256.
- Keasley, George, New York, N. Y. Crucible tool-steel. No. 97,425; June 2; Gaz. vol. 203; p. 300.
- Keeley Brewing Co., Chicago, Ill. Beer. No. 97,861; June 23; Gaz. vol. 203; p. 1256.
- Keeley Brewing Company, Chicago, Ill. Beer. No. 97,703; June 16; Gaz. vol. 203; p. 922.
- Keever Starch Company, The, Columbus, Ohio. Laundry starch. No. 95,436; Feb. 17; Gaz. vol. 199; p. 934.
- Kegel, John H., Chicago, Ill. Antiseptic tablets and vaginal suppositories. No. 98,534; July 21; Gaz. vol. 204; p. 1007.
- Kehl Flour Mills Company, St. Louis, Mo. Certain named foods. No. 97,620; June 16; Gaz. vol. 203; p. 920.
- Keiffer Bros. Co., New Orleans, La. Leather shoes. No. 99,888; Sept. 22; Gaz. vol. 206; p. 1158.
- Keighley & Co., Earl B., Pawtucket, R. I. Powder for artificial teeth. No. 99,156; Aug. 18; Gaz. vol. 205; p. 1017.
- Keim, William C., Vicksburg, Miss. Remedy for skin diseases. No. 99,989; Sept. 29; Gaz. vol. 206; p. 1432.
- Kelim Farmers' Mill and Elevator Company, The, Loveland, Colo. Wheat-flour. No. 100,710; Oct. 20; Gaz. vol. 207; p. 933.
- Kelleghan, Thomas F., New York, N. Y. Preventive or protective remedy for venereal diseases. No. 98,164; July 7; Gaz. vol. 204; p. 310.
- Keller & Co., L. H., New York, N. Y. Jewelers' piercing-saws. No. 95,437; Feb. 17; Gaz. vol. 199; p. 934.
- Keller Company, Theo., Houston, Tex. Cigars. No. 101,176; Nov. 17; Gaz. vol. 208; p. 980.
- Kelley, Elias B., Electra, Tex. Salve. No. 96,890; May 5; Gaz. vol. 202; p. 312.
- Kelley, James, Winsted, Conn. Toilet-pins. No. 100,558; Oct. 20; Gaz. vol. 207; p. 928.
- Kellogg Toasted Corn Flake Company, Battle Creek, Mich. Packages, containers, and wrappers for cereal foods, &c. No. 97,331; June 2; Gaz. vol. 203; p. 297.
- Kellogg Toasted Corn Flake Company, Battle Creek, Mich. Toasted corn-flakes, wheat-biscuit, crumbles, &c. No. 98,293; July 7; Gaz. vol. 204; p. 314.
- Kelly, John A., Forsyth, Mont. Remedy for certain named stomach troubles. No. 98,165; July 7; Gaz. vol. 204; p. 310.
- Kelly, Kyran, Detroit, Mich. Preparation for treatment of certain named affections and diseases of domestic animals. No. 101,068; Nov. 10; Gaz. vol. 208; p. 652.
- Kelly, Richard, New York, N. Y. Compounds for cleaning boilers, &c. No. 101,069; Nov. 10; Gaz. vol. 208; p. 652.
- Keltner, William L., Dexter, Mo. Veterinary medicines. No. 98,784; Aug. 4; Gaz. vol. 205; p. 298.
- Kemp, Edward F., Somerville, Mass. Nuts. No. 97,059; May 19; Gaz. vol. 202; p. 946.
- Kempler, Adolph, Philadelphia, Pa. Teas. No. 96,420; Apr. 21; Gaz. vol. 201; p. 896.
- Kendall, Henry E., Shelby, N. C. Remedy for certain named diseases. No. 96,421; Apr. 21; Gaz. vol. 201; p. 896.
- Kendall Mfg. Co., Providence, R. I. Soap powder. No. 95,114; Feb. 3; Gaz. vol. 199; p. 299.
- Kendall Refining Company, Bradford, Pa. Kerosene, gasoline, neutral oils, &c. No. 100,838; Oct. 27; Gaz. vol. 207; p. 1244.
- Kendrick Warehouse & Milling Co., Lewiston, Idaho. Dry beans. No. 95,635; Mar. 3; Gaz. vol. 200; p. 274.
- Kent, Arthur A., Philadelphia, Pa. Contact-makers for the sparking circuits of internal-combustion engines. No. 97,060; May 19; Gaz. vol. 202; p. 946.
- Kentucky Paint Manufacturing Company, Louisville, Ky. Paints, stains, and varnishes. No. 97,862; June 23; Gaz. vol. 203; p. 1256.
- Kentucky Refining Co., Louisville, Ky. Cotton-seed oil. No. 95,438; Feb. 17; Gaz. vol. 199; p. 934.
- Kentucky Refining Co., Louisville, Ky. Cotton-seed oil. No. 97,061; May 19; Gaz. vol. 202; p. 946.
- Kenworthy Brothers Company, Boston, Mass. Leather substitute. No. 101,518; Dec. 22; Gaz. vol. 209; p. 1313.
- Kerner, Rose, New York, N. Y. Corsets. No. 95,767; Mar. 10; Gaz. vol. 200; p. 578.
- Kerr Adjustable Strap Company, New York, N. Y. Adjustable straps for harness, &c. No. 96,304; Apr. 14; Gaz. vol. 201; p. 565.
- Kerstine, Harry E., Philadelphia, Pa. Certain precious and semiprecious stones and jewelry. No. 99,990; Sept. 29; Gaz. vol. 206; p. 1432.
- Kettler Brass Mfg. Co., Houston, Tex. Brass and metal polishers. No. 97,426; June 2; Gaz. vol. 203; p. 300.
- Key Co., T. B., San Francisco, Cal. Remedy for rheumatism, syphilis, Bright's disease, &c. No. 97,251; May 26; Gaz. vol. 202; p. 1254.
- Keyless Lock Co., The, Indianapolis, Ind. Steel furniture. No. 99,600; Sept. 8; Gaz. vol. 206; p. 585.
- Keystone Hair Insulator Co. Pittsburgh, Pa. Certain named insulating material. Nos. 100,345-8; Oct. 20; Gaz. vol. 207; p. 922.
- Keystone Shock Absorber Co., Pittsburgh, Pa. Shock-absorbers. No. 100,559; Oct. 20; Gaz. vol. 207; p. 928.
- Keystone Spring Works, Philadelphia, Pa. Shock-absorbers. No. 96,811; May 5; Gaz. vol. 202; p. 310.
- Keystone Steel & Wire Company, South Bartonville, Ill. Barbed wire. No. 94,911; Jan. 13; Gaz. vol. 198; p. 491.
- Keystone Steel & Wire Company, South Bartonville, Ill. Wire fence. No. 97,542; June 9; Gaz. vol. 203; p. 597.
- Keystone Watch Case Company, Philadelphia, Pa. Watches, watchcases, and watch-movements. No. 99,754; Sept. 15; Gaz. vol. 206; p. 871.
- Keystone Wire Matting Co., Beaver Falls, Pa. Wooden matting. No. 96,683; Apr. 28; Gaz. vol. 201; p. 1215.
- Kidder, Rowe E., Kansas City, Mo. Wheat-flour. No. 101,177; Nov. 17; Gaz. vol. 208; p. 980.
- Kienzle, Erich, New York, N. Y. Watches and clocks. No. 99,054; Aug. 11; Gaz. vol. 205; p. 659.
- Kienzle, Jacob, Schwenningen, Germany. Clocks. No. 97,427; June 2; Gaz. vol. 203; p. 300.
- Kiley Hardware Company, Boston, Mass. Varnishes. No. 99,472; Sept. 1; Gaz. vol. 206; p. 308.
- Kilian, Henry F. C., New York, N. Y. Canned vegetables, fruits, salmon, and jam. No. 100,836; Oct. 27; Gaz. vol. 207; p. 1244.
- Kincaid Brothers, Pittsburgh, Pa. Siphons and ejectors. No. 98,060; June 30; Gaz. vol. 203; p. 1552.
- Kincheloe, Joe A., Milan, Tenn. Liver-regulator. No. 100,349; Oct. 20; Gaz. vol. 207; p. 922.
- Kindel Bedding and Renovating Company, The, Denver, Colo. Mattresses. No. 96,812; May 5; Gaz. vol. 202; p. 310.
- King Bros., Milan, Ill. Remedy for cholera and asthma. No. 96,684; Apr. 28; Gaz. vol. 201; p. 1215.
- King, Chandler, Chattanooga, Tenn. Non-intoxicating carbonated tonic beverages and soda-water syrups. No. 99,889; Sept. 22; Gaz. vol. 206; p. 1158.
- King Co., Rockford, Ill. Certain medicines and remedies for certain named diseases. No. 98,535; July 21; Gaz. vol. 204; p. 1007.
- King, George W., Thomaston, Ga. Remedy for certain named disorders of infants and children. No. 100,124; Oct. 6; Gaz. vol. 207; p. 294.
- King, Lewis E., Richmond, Ind. Blended coffee. No. 96,422; Apr. 21; Gaz. vol. 201; p. 896.
- King & Oliphant, Macon, Ga. Preparation for use as a mouth-wash and for treatment of Rigg's disease. No. 95,439; Feb. 17; Gaz. vol. 199; p. 934.
- King Philip Mills, Fall River, Mass. Cotton piece goods. No. 98,398; July 14; Gaz. vol. 204; p. 670.
- King Philip Mills, Fall River, Mass. Cotton piece goods. No. 99,103; Aug. 18; Gaz. vol. 205; p. 1016.
- Kingan & Co. (Limited), Belfast, Ireland; Indianapolis, Ind., and Baltimore, Md. Lard. No. 100,839; Oct. 27; Gaz. vol. 207; p. 1244.
- Kip Brush Company, New York, N. Y. Brushes. No. 98,061; June 30; Gaz. vol. 203; p. 1552.
- Kirby Beard & Co. Limited, Birmingham, England. Hair-pins. No. 96,228; Apr. 14; Gaz. vol. 201; p. 563.
- Kirkham, John A., Portland, Oreg. Exercising apparatus for children. No. 97,863; June 23; Gaz. vol. 203; p. 1256.
- Kirsch Manufacturing Company, Sturgis, Mich. Metal curtain portiere and stair rods and fixtures therefor. No. 98,875; Aug. 4; Gaz. vol. 205; p. 301.
- Kistler, Lesh & Company, Boston, Mass. Leather. No. 96,685; Apr. 28; Gaz. vol. 201; p. 1215.
- Kitchell, Jos. G., New York, N. Y. Pictures, prints, paintings, &c. Nos. 100,125-6; Oct. 6; Gaz. vol. 207; p. 294.
- Kitchell, Jos. G., New York, N. Y. Pictures, prints, paintings, &c. No. 101,178; Nov. 17; Gaz. vol. 208; p. 980.
- Kitsee, Isidor, Philadelphia, Pa. Screens adapted to have pictures projected thereon. No. 97,332; June 2; Gaz. vol. 203; p. 298.
- Klaas, Max, New York, N. Y. Razors, pocket-knives, scissors, &c., not of precious metal. No. 95,323; Feb. 10; Gaz. vol. 199; p. 612.
- Klar, Adolph, New York, N. Y. Hair-nets. No. 100,350; Oct. 20; Gaz. vol. 207; p. 922.
- Klauber Bros. & Company, New York, N. Y. Children's dresses. No. 96,686; Apr. 28; Gaz. vol. 201; p. 1215.
- Klauber Wangenheim Co., San Diego, Cal. Brooms. No. 96,687; Apr. 28; Gaz. vol. 201; p. 1215.

- Klaw & Erlanger, New York, N. Y. Motion-pictures. No. 99,157; Aug. 18; Gaz. vol. 205; p. 1017.
- Kleber & Bro., Ltd., H., Pittsburgh, Pa. Piano-players and pianos. No. 97,484; June 9; Gaz. vol. 203; p. 596.
- Klein Chocolate Company, Elizabethtown, Pa. Sweet chocolates. No. 99,219; Aug. 25; Gaz. vol. 205; p. 1316.
- Kleine, Harry B., Covington, Ky. Squabs. No. 99,755; Sept. 15; Gaz. vol. 206; p. 871.
- Kleine Optical Company, Chicago, Ill. Condensers used with cameras, and motion-picture-projecting machines. No. 99,317; Aug. 25; Gaz. vol. 205; p. 1318.
- Klepper & Armitage, Portland, Oreg. Candy cathartic tablets. No. 96,516; Apr. 21; Gaz. vol. 201; p. 899.
- Klimax Manufacturing Company, Chicago, Ill. Meat-cutters. No. 95,636; Mar. 3; Gaz. vol. 200; p. 274.
- Kloppel and Co., Herman, Baltimore, Md. Preparation for dandruff, falling hair, and itching scalp. No. 97,485; June 9; Gaz. vol. 203; p. 596.
- Klugman, Julius, New York, N. Y. Furs. No. 101,582; Dec. 29; Gaz. vol. 209; p. 1687.
- Knell & Prengel Co., Milwaukee, Wis. Coffees, teas, and spices. No. 99,890; Sept. 22; Gaz. vol. 206; p. 1158.
- Knight & Thomas, Inc., Boston, Mass. Portable fire-extinguishers. No. 97,865; June 23; Gaz. vol. 203; p. 1257.
- Knobloch & Co., Hugo, Hamburg and Chemnitz, Germany. Hosiery. No. 97,253; May 26; Gaz. vol. 202; p. 1254.
- Knode, H. C., Indianapolis, Ind. Whisky. Nos. 95,115-16; Feb. 3; Gaz. vol. 199; p. 299.
- Knoll & Co., New York, N. Y. Remedy employed as a sedative in cough and asthmatic ailments. No. 95,324; Feb. 10; Gaz. vol. 199; p. 612.
- Knox Hat Manufacturing Company, The, New York, N. Y. Hats and caps. No. 99,473; Sept. 1; Gaz. vol. 206; p. 308.
- Koblentz & Son, M., New York, N. Y. Men's outer shirts. No. 96,306; Apr. 14; Gaz. vol. 201; p. 565.
- Kochmann, Ludwig, Berlin, Germany. Liqueur. No. 95,117; Feb. 3; Gaz. vol. 199; p. 299.
- Koehler & Hinrichs, St. Paul, Minn. Glass bottles. No. 96,688; Apr. 28; Gaz. vol. 201; p. 1215.
- Koenigsmark Mill Company, Waterloo, Ill. Wheat-flour. Nos. 97,981-3; June 30; Gaz. vol. 203; p. 1550.
- Koeppen, Ernst, New York, N. Y. Certain named cleaning and polishing machines. No. 94,912; Jan. 13; Gaz. vol. 198; p. 491.
- Kohary, Alexander A., Pittsburgh, Pa. Cigarette-paper. No. 96,517; Apr. 21; Gaz. vol. 201; p. 899.
- Kohl, Wm. S., Philadelphia, Pa. Shirts. No. 97,147; May 19; Gaz. vol. 202; p. 948.
- Kohler Co., Sheboygan, Wis. Certain named hardware and plumbing supplies. No. 94,999; Jan. 20; Gaz. vol. 198; p. 699.
- Kohlman, Wm. B., New Orleans, La. Hosiery. No. 100,560; Oct. 20; Gaz. vol. 207; p. 928.
- Kohnstamm & Co., H., New York, N. Y. Bleaching, water-softening, &c., preparations. No. 100,352; Oct. 20; Gaz. vol. 207; p. 922.
- Kohnstamm & Co., H., New York, N. Y. Laundry starch. No. 100,837; Oct. 27; Gaz. vol. 207; p. 1244.
- Kohnstamm & Co., H., New York, N. Y. Certain essences, oils, and flavors. No. 100,841; Oct. 27; Gaz. vol. 207; p. 1244.
- Kohnstamm & Co., H., New York, N. Y. Laundry starch. No. 100,842; Oct. 27; Gaz. vol. 207; p. 1244.
- Koke Company of America. (See Bitting, William L., assignor.)
- Koken Barbers' Supply Co., St. Louis, Mo. Certain named furniture. No. 100,353; Oct. 20; Gaz. vol. 207; p. 922.
- Koken Barbers' Supply Co., St. Louis, Mo. Certain named pharmaceutical preparations. No. 100,561; Oct. 20; Gaz. vol. 207; p. 928.
- Koken Barbers' Supply Company, St. Louis, Mo. Razors. Nos. 99,220-4; Aug. 25; Gaz. vol. 205; p. 1316.
- Koken Barbers' Supply Company, St. Louis, Mo. Hair-tonic. No. 100,354; Oct. 20; Gaz. vol. 207; p. 922.
- Kokomo Sanitary Manufacturing Company, Kokomo, Ind. Water-closet bowls. No. 97,773; June 16; Gaz. vol. 203; p. 924.
- Kolynos Co., The, New Haven, Conn. Antiseptic solution and germicidal disinfectant. No. 100,355; Oct. 20; Gaz. vol. 207; p. 922.
- Korn, Edward, New York, N. Y. Artificial leather. No. 101,295; Nov. 24; Gaz. vol. 208; p. 1352.
- Kornreich & Co., Borgenich, New York, N. Y. Monthly periodical. No. 101,265; Nov. 24; Gaz. vol. 208; p. 1351.
- Kowalski, Rosalie S., Vallejo, Cal. Liniment. No. 97,254; May 26; Gaz. vol. 202; p. 1254.
- Krakauer, Zork & Moye's Sucs. Inc., El Paso, Tex. Certain named tools and agricultural forks. No. 95,000; Jan. 20; Gaz. vol. 198; p. 699.
- Krakauer, Zork & Moye's Sucs. Inc., El Paso, Tex. Axes, files, hammers, wrenches, forks, and shovels. No. 95,118; Feb. 3; Gaz. vol. 199; p. 299.
- Krakauer, Zork & Moye's Sucs. Inc., El Paso, Tex. Certain named cutlery, tools, and agricultural forks. No. 95,768; Mar. 10; Gaz. vol. 200; p. 578.
- Kramer, Benjamin G., Milwaukee, Wis. Engine-governors. No. 97,148; May 19; Gaz. vol. 202; p. 948.
- Kraus, Otto, Philadelphia, Pa. Medicament for relief of bronchial and throat affections. No. 97,984; June 30; Gaz. vol. 203; p. 1550.
- Krausse & Auerbach, London, England. Coffee-making apparatus, (glass.) No. 98,294; July 7; Gaz. vol. 204; p. 314.
- Kreitlein, George F., Indianapolis, Ind. Spark-plugs. No. 97,149; May 19; Gaz. vol. 202; p. 948.
- Kremetz & Co., Newark, N. J. Cuff-buttons, shirt-studs, vest-buttons, and cuff-links. No. 99,055; Aug. 11; Gaz. vol. 205; p. 659.
- Kress, George H., Hartford, Conn. Remedy for certain named diseases. No. 101,402; Dec. 8; Gaz. vol. 209; p. 680.
- Kress & Owen Company, New York, N. Y. Nasal douche. No. 96,425; Apr. 21; Gaz. vol. 201; p. 896.
- Kreuger & Company Ltd., F., London, England. Matches. No. 98,063; June 30; Gaz. vol. 203; p. 1552.
- Krichbaum, Ora, Ashland, Ohio. Inner tires or liners for vehicle and motor-vehicle tires. No. 96,971; May 12; Gaz. vol. 202; p. 628.
- Krieger, Edward, New York, N. Y. Rain-coats and rubber coats. No. 97,866; June 23; Gaz. vol. 203; p. 1257.
- Kriegshaber, V. H., Atlanta, Ga. Concrete construction material for floors. No. 98,399; July 14; Gaz. vol. 204; p. 670.
- Krohn-Fechheimer Company, The, Cincinnati, Ohio. Leather boots and shoes. No. 96,307; Apr. 14; Gaz. vol. 201; p. 565.
- Kronheim, Milton S., Washington, D. C. Gin compound. No. 95,770; Mar. 10; Gaz. vol. 200; p. 578.
- Kronprinz Act. Ges. Für Metallindustrie, Ohligs, Germany. Certain named vehicles and parts therefor. No. 101,485; Dec. 15; Gaz. vol. 209; p. 1050.
- Krug, Charles H., Dayton, Ohio. Liniment. No. 99,993; Sept. 29; Gaz. vol. 206; p. 1432.
- Kruskel & Kruskel, New York, N. Y. Certain named garments. No. 100,562; Oct. 20; Gaz. vol. 207; p. 928.
- Kuchler & Son, F. H., Brooklyn, N. Y. Candies. No. 99,056; Aug. 11; Gaz. vol. 205; p. 659.
- Kunstanstalten Aktiengesellschaft vormals Adolf May und Müller & Lohse, Dresden, Germany. Art publications, lithographs, pictures, &c. No. 97,543; June 9; Gaz. vol. 203; p. 597.
- Kurrasch, Albert A., Chicago, Ill. Laxative. No. 98,789; Aug. 4; Gaz. vol. 205; p. 298.
- Kurth, Frank, Wheaton, Minn. Remedy for hog-cholera. No. 98,790; Aug. 4; Gaz. vol. 205; p. 298.
- Kurz, Joseph, New York, N. Y. Box-fasteners. No. 96,426; Apr. 21; Gaz. vol. 201; p. 896.
- Kurzmanns Sons, M., New York, N. Y. Cotton and silk crape piece goods. No. 100,357; Oct. 20; Gaz. vol. 207; p. 922.
- Kurzmanns Sons, M., New York, N. Y. Silk piece goods. No. 100,563; Oct. 20; Gaz. vol. 207; p. 928.
- Kuyper & Son, John de, Rotterdam, Netherlands. Gin. No. 95,547; Feb. 24; Gaz. vol. 199; p. 1240.
- L. Burg Carriage Company, Dallas City, Ill. Buggies, carriages, spring-wagons, automobiles, &c. No. 95,518; Feb. 24; Gaz. vol. 199; p. 1239.
- L. Frank & Son Company, Milwaukee, Wis. Pork breakfast-sausages. No. 97,965; June 30; Gaz. vol. 203; p. 1550.
- L. Frank & Son Company, Milwaukee, Wis. Sausage. No. 100,795; Oct. 27; Gaz. vol. 207; p. 1242.
- L. Iten & Sons, Clinton, Iowa. Crackers, cookies, biscuits, and cakes. No. 98,156; July 7; Gaz. vol. 204; p. 310.
- L. Samter & Sons, San Francisco, Cal. Neckties. No. 97,361; June 2; Gaz. vol. 203; p. 298.
- L. Sonneborn Sons Inc., New York, N. Y. Lubricators. No. 95,166; Feb. 3; Gaz. vol. 199; p. 300.
- L. Sonneborn Sons, Inc., New York, N. Y. Chemical compound to soften textile fabrics. No. 100,902; Oct. 27; Gaz. vol. 207; p. 1245.
- L. C. Nicholson Co., Indianapolis, Ind. Flour. No. 96,599; Apr. 21; Gaz. vol. 201; p. 901.
- L. C. Page & Company (Inc.), assignor to The Page Company, Boston, Mass. Books of fiction. No. 97,645; June 16; Gaz. vol. 203; p. 920.
- L. D. Caulk Company, Milford, Del. Plaster-of-Paris-impression holders used in dentistry. No. 101,563; Dec. 29; Gaz. vol. 209; p. 1687.
- L. J. Wing Mfg. Co., New York, N. Y. Ventilating apparatus. No. 95,278; Feb. 3; Gaz. vol. 199; p. 304.
- L. L. Brown Paper Company, Adams, Mass. Bond, ledger, and type-writer papers. No. 97,465; June 9; Gaz. vol. 203; p. 595.
- L. N. Gross Company, The, Cleveland, Ohio. Shirt-waists and dresses. No. 97,050; May 19; Gaz. vol. 202; p. 945.
- L. N. Gross Company, The, Cleveland, Ohio. Certain named women's garments. No. 100,544; Oct. 20; Gaz. vol. 207; p. 928.
- L. P. Larson, Jr., Co., Chicago, Ill. Chewing-gum. No. 98,540; July 21; Gaz. vol. 204; p. 1007.
- L-P-C Motor Company, Racine, Wis. Automobiles. No. 100,711; Oct. 20; Gaz. vol. 207; p. 933.
- L. S. Donaldson Company, Inc., Minneapolis, Minn. Certain named foods. No. 99,384; Aug. 25; Gaz. vol. 205; p. 1321.

Alphabetical list of registrants of trade-marks—Continued.

- La Belle Novelty Manufacturing Co., Inc., New York, N. Y. Bathing-shoes, leggings, and slippers. No. 97,150; May 19; Gaz. vol. 202; p. 948.
- La Bontee, Wilfred A., St. Louis, Mo. Cake. No. 99,601; Sept. 8; Gaz. vol. 206; p. 585.
- La Crosse Knitting Works, The, La Crosse, Wis. Auto-gloves. No. 95,220; Feb. 3; Gaz. vol. 199; p. 302.
- La Crosse Knitting Works, La Crosse, Wis. Gloves. No. 98,400; July 14; Gaz. vol. 204; p. 670.
- La Crosse Plow Co., La Crosse, Wis. Plows. No. 96,891; May 5; Gaz. vol. 202; p. 312.
- La Film Artistica Gloria, Turin, Italy. Kinematograph-films. No. 96,689; Apr. 28; Gaz. vol. 201; p. 1215.
- La Manna, Azema & Farnan, New York, N. Y. Canned sardines and olive-oil. No. 100,848; Oct. 27; Gaz. vol. 207; p. 1244.
- La Porte Mat & Mfg. Co., Laporte, Ind. Metal mats and matting. No. 95,771; Mar. 10; Gaz. vol. 200; p. 578.
- La Resista Corset Company, The, Bridgeport, Conn.; New York, N. Y.; Boston, Mass., and Paris, France. Wire corset-stays. No. 96,308; Apr. 14; Gaz. vol. 201; p. 565.
- La Resista Corset Company, The, Bridgeport, Conn.; New York, N. Y.; Boston, Mass., and Paris, France. Corsets. No. 96,894; May 5; Gaz. vol. 202; p. 312.
- La' Roma Syrup & Bottling Co., Chattanooga, Tenn. Soft-drink beverage. No. 97,705; June 16; Gaz. vol. 203; p. 922.
- La Salle Varnish Co., The, Chicago, Ill. Calcimine. No. 99,474; Sept. 1; Gaz. vol. 206; p. 308.
- Lackland Brothers, Fort Worth, Tex. Tire-puncture compound. No. 100,564; Oct. 20; Gaz. vol. 207; p. 929.
- Lacquer-All Manufacturing Company, Dallas, Tex. Lacquer, wood-filler, varnish, &c. No. 98,166; July 7; Gaz. vol. 204; p. 310.
- Lake of the Woods Milling Co. Ltd., Montreal, Quebec, Canada. Wheat-flour. No. 97,062; May 19; Gaz. vol. 202; p. 946.
- Lake of the Woods Milling Co. Ltd., Montreal, Quebec, Canada. Wheat-flour. No. 97,255; May 26; Gaz. vol. 202; p. 1254.
- Lake of the Woods Milling Co. Ltd., Montreal, Quebec, Canada. Wheat-flour. No. 97,623; June 16; Gaz. vol. 203; p. 920.
- Lake Zurich Creamery Co., Palatine, Ill. Cheese. No. 98,537; July 21; Gaz. vol. 204; p. 1007.
- Lakeside Biscuit Company, The, Toledo, Ohio. Graham crackers. No. 94,913; Jan. 13; Gaz. vol. 198; p. 491.
- Lallier, Van Cassel & Cie., Ay, France. Wines and champagne. No. 96,518; Apr. 21; Gaz. vol. 201; p. 899.
- Lambertville Rubber Company, Lambertville, N. J. Rubber boots and shoes. No. 95,834; Mar. 17; Gaz. vol. 200; p. 853.
- Lamblin, Alexandre, Lille, France. Apparatus for developing photographic plates, &c., in daylight. No. 98,667; July 28; Gaz. vol. 204; p. 1340.
- Lamont, Corliss & Company, New York, N. Y. Rubber heels. No. 95,325; Feb. 10; Gaz. vol. 199; p. 612.
- Lamson Company, The, Boston, Mass. Conveying and transmission apparatus. No. 95,637; Mar. 3; Gaz. vol. 200; p. 274.
- Lamson Company, The, Boston, Mass. Conveying and transmission apparatus. No. 100,358; Oct. 20; Gaz. vol. 207; p. 922.
- Lamson Company, The, Boston, Mass. Store furniture. No. 100,359; Oct. 20; Gaz. vol. 207; p. 922.
- Lancaster Mills, Clinton, Mass. Aprons, rompers, wrappers, shirts, and pajamas. No. 96,892; May 5; Gaz. vol. 202; p. 312.
- Lancaster Mills, Clinton, Mass. Cotton piece and dress goods and bed-covering. No. 96,893; May 5; Gaz. vol. 202; p. 312.
- Lancaster Mills, Clinton, Mass. Aprons, rompers, wrappers, shirts, and pajamas. No. 98,956; Aug. 11; Gaz. vol. 205; p. 656.
- Lancaster Mills, Clinton, Mass. Cotton piece, dress, and bed-covering goods. No. 99,107; Aug. 18; Gaz. vol. 205; p. 1016.
- Landenberger & Co., J. W., Philadelphia, Pa. Stockings and underwear. No. 98,401; July 14; Gaz. vol. 204; p. 670.
- Landenberger & Co., J. W., Philadelphia, Pa. Stockings. No. 98,402; July 14; Gaz. vol. 204; p. 670.
- Landenberger & Co., J. W., Philadelphia, Pa. Hosiery. Nos. 99,602-5; Sept. 8; Gaz. vol. 206; p. 585.
- Landers, Frary & Clark, New Britain, Conn. Certain named knives, razors, machines, and tools. No. 96,144; Apr. 7; Gaz. vol. 201; p. 263.
- Landers, Frary & Clark, New Britain, Conn. Certain named electrically-heated cooking utensils, shaving-mugs, and the like. No. 98,538; July 21; Gaz. vol. 204; p. 1007.
- Landers, Frary & Clark, New Britain, Conn. Vacuum-bottles, alcohol-flagons, lunch-boxes, &c. No. 100,360; Oct. 20; Gaz. vol. 207; p. 922.
- Landers, Frary & Clark, New Britain, Conn. Certain named knives. No. 101,103; Nov. 10; Gaz. vol. 208; p. 653.
- Landis Machine Company, St. Louis, Mo. Thread. No. 95,440; Feb. 17; Gaz. vol. 199; p. 934.
- Landrum's Drug Co., De Funiak Springs, Fla. Preparation for treating anemia, malaria, hook-worm, and blood diseases. No. 96,427; Apr. 21; Gaz. vol. 201; p. 896.
- Lanman & Kemp, New York, N. Y. Sarsaparilla. No. 100,565; Oct. 20; Gaz. vol. 207; p. 929.
- Lane & Hawkins Manufacturing Company, (not incorporated.) Chicago, Ill. Horse-radish. No. 96,428; Apr. 21; Gaz. vol. 201; p. 896.
- Langley & Michaels Co., San Francisco, Cal. Insecticides, germicides, disinfectants, &c. No. 95,548; Feb. 24; Gaz. vol. 199; p. 1240.
- Lapr   and Company, Louis, New Bedford, Mass. Medicine for certain named diseases. No. 97,151; May 19; Gaz. vol. 202; p. 948.
- Larabee Flour Mills Company, The, Hutchinson, Kans. Wheat-flour. No. 98,295; July 7; Gaz. vol. 204; p. 314.
- Lard, S. S., Houston, Tex. Butter. No. 98,877; Aug. 4; Gaz. vol. 205; p. 301.
- Larrowe Milling Co., The, Cohocton, N. Y. Beet-pulp. No. 96,429; Apr. 21; Gaz. vol. 201; p. 896.
- Larrowe Milling Co., The, Cohocton, N. Y., and Detroit, Mich. Mixed feed for dairy-cattle. No. 98,296; July 7; Gaz. vol. 204; p. 314.
- Larter & Sons, New York, N. Y., and Newark, N. J. Certain named articles of personal adornment. No. 101,253; Nov. 17; Gaz. vol. 208; p. 983.
- Lascoff, Jacob L., New York, N. Y. Antiseptic and aseptic liquids and disinfectants. No. 96,895; May 5; Gaz. vol. 202; p. 312.
- Lash's Bitters Co., San Francisco, Cal., and New York, N. Y. Liver-bitters. No. 95,001; Jan. 20; Gaz. vol. 198; p. 700.
- Lash's Bitters Co., San Francisco, Cal., and New York, N. Y. Liver-bitters. No. 97,488; June 9; Gaz. vol. 203; p. 596.
- Laskowitz, Joseph, Washington, D. C. Metal-polish. No. 101,404; Dec. 8; Gaz. vol. 209; p. 680.
- Latzke, Paul, New York, N. Y. Silver flat ware. Nos. 99,109-10; Aug. 18; Gaz. vol. 205; p. 1016.
- Lauber, Carl F., Philadelphia, Pa. Blended whisky. No. 101,468; Dec. 15; Gaz. vol. 209; p. 1050.
- Lauer, Bernhard, Berlin, Germany. Remedy for blood-purifying and laxative purposes. No. 100,127; Oct. 6; Gaz. vol. 207; p. 294.
- Lauer, Bernhard, Berlin, Germany. Internal remedy for purifying the blood and for laxative purposes. No. 100,849; Oct. 27; Gaz. vol. 207; p. 1244.
- Laughlin, James T., Boise, Idaho. Certain named optical goods. No. 94,914; Jan. 13; Gaz. vol. 198; p. 491.
- Lautz Bros. & Co., Buffalo, N. Y. Soap. No. 95,255; Feb. 3; Gaz. vol. 199; p. 303.
- Lautz Bros. & Co., Buffalo, N. Y. Soap. No. 95,638; Mar. 3; Gaz. vol. 200; p. 274.
- Laver, Arthur, Bernardsville, N. J. Insecticide. No. 99,111; Aug. 18; Gaz. vol. 205; p. 1016.
- Laval Laboratories, Chicago, Ill. Remedy for diseases of the skin and scalp. No. 101,403; Dec. 8; Gaz. vol. 209; p. 680.
- Lawrence & Company, C. H., New Orleans, La. Codfish, hake, pollack, and mackerel. No. 101,179; Nov. 17; Gaz. vol. 208; p. 980.
- Lawrence, John H., Washington, D. C. Metal-polish. No. 99,758; Sept. 15; Gaz. vol. 206; p. 871.
- Lawrence Webster Co., The, Malone, N. Y. Mackinaws, woolen shirts, storm-vests, and trousers. No. 98,599; July 21; Gaz. vol. 204; p. 1009.
- Lawrenceburg Roller Mills Co., Lawrenceburg, Ind., and Boston, Mass. Wheat-flour. No. 99,994; Sept. 29; Gaz. vol. 206; p. 1432.
- Lawrie & Sons, John, Chicago, Ill. Shoe-laces. Nos. 96,519-21; Apr. 21; Gaz. vol. 201; p. 899.
- Laxago Bitters Co., Detroit, Mich. Bitters: remedy for the kidneys and liver. No. 97,063; May 19; Gaz. vol. 202; p. 946.
- Lazell Perfumer, New York, N. Y. Talcum, sachet, face, and bath powder. No. 99,161; Aug. 18; Gaz. vol. 205; p. 1017.
- Le Blanc, Jacob A., Lynn, Mass. Remedy for catarrh and asthma. No. 98,541; July 21; Gaz. vol. 204; p. 1007.
- Le Doyen, Frank J., Baltimore, Md. Cleaning and whitening and color-restoring preparations for shoes, gloves, &c. No. 95,772; Mar. 10; Gaz. vol. 200; p. 578.
- Leach, Charles E., Providence, R. I. Medicaments for preparatory treatment of nervous ailments. No. 98,167; July 7; Gaz. vol. 204; p. 310.
- Leach, Edwin, Attleboro, Mass. Jewelry. No. 98,065; June 30; Gaz. vol. 203; p. 1553.
- Leader Evaporator Company, Burlington, Vt. Evaporating and sugaring-off pans. No. 100,128; Oct. 6; Gaz. vol. 207; p. 294.
- Leader Evaporator Company, Burlington, Vt. Gathering-tanks. No. 100,566; Oct. 20; Gaz. vol. 207; p. 929.
- Leader Iron Works, Decatur, Ill. Internal-combustion engines. No. 95,441; Feb. 17; Gaz. vol. 199; p. 934.
- Leak, William H., Watertown, N. Y. Medicated prophylactic dentifrice. No. 96,896; May 5; Gaz. vol. 202; p. 312.
- Leaman, W. & A., New York, N. Y. Wheat-flour. No. 94,915; Jan. 13; Gaz. vol. 198; p. 491.

Alphabetical list of registrants of trade-marks—Continued.

- Leavenworth Milling Co., The, Leavenworth, Kans. Wheat-flour. No. 100,850; Oct. 27; Gaz. vol. 207; p. 1244.
- Lee Tire & Rubber Co., Whitmarsh township, Montgomery county, Pa. Certain named medical and surgical appliances. No. 96,972; May 12; Gaz. vol. 202; p. 628.
- Lee Tire & Rubber Co., Whitmarsh township, Montgomery county, Pa. Rubber tires and tubing, inner tubes and cases, valve-patches. No. 99,318; Aug. 25; Gaz. vol. 205; p. 1319.
- Lees Manufacturing Co., The, Westport, Conn., and New York, N. Y. Twines and cords. No. 96,690; Apr. 28; Gaz. vol. 201; p. 1215.
- Lees Mfg. Co., The, Westport, Conn., and New York, N. Y. Threads and yarns. No. 97,335; June 2; Gaz. vol. 203; p. 298.
- Lees Mfg. Co., The, Westport, Conn., and New York, N. Y. Twines and cords. No. 97,544; June 9; Gaz. vol. 203; p. 597.
- Lehman, Edward, Memphis, Tenn. Liver-wafers. No. 96,145; Apr. 7; Gaz. vol. 201; p. 263.
- Lehman-Rosenfeld Co., The, Cincinnati, Ohio. Flavoring extract for non-alcoholic beverages and a tonic beverage. No. 95,920; Mar. 24; Gaz. vol. 200; p. 1110.
- Lehmann, Annie, Brooklyn, N. Y. Salve. No. 98,791; Aug. 4; Gaz. vol. 205; p. 298.
- Lehmann, Louis J., St. Louis, Mo. Intestinal lubricant and remedy for constipation. No. 98,066; June 30; Gaz. vol. 203; p. 1553.
- Leiblinger, Marie A., Cleveland, Ohio. Salve. No. 100,361; Oct. 20; Gaz. vol. 207; p. 923.
- Leikauf, John E., New York, N. Y. Candy. No. 95,444; Feb. 17; Gaz. vol. 199; p. 935.
- Leikauf, John E., New York, N. Y. Candy. No. 96,146; Apr. 7; Gaz. vol. 201; p. 263.
- Leikauf, John E., New York, N. Y. Laxative. No. 96,147; Apr. 7; Gaz. vol. 201; p. 263.
- Leine, Arthur M., Honesdale, Pa. Flavoring extracts for foods. No. 95,221; Feb. 3; Gaz. vol. 199; p. 302.
- Leiner & Co., George S., New York, N. Y. Bottle-brushes. No. 98,404; July 14; Gaz. vol. 204; p. 670.
- Leiner & Co., George S., New York, N. Y. Bath, bottle, glass, house-cleaning, and dairy brushes. No. 98,405; July 14; Gaz. vol. 204; p. 670.
- Leisegang, Conrad H., Philadelphia, Pa. Cigar-cutters. No. 100,986; Nov. 3; Gaz. vol. 208; p. 334.
- Leisen & Henes Brewing Co., Menominee, Mich. Beer. No. 96,973; May 12; Gaz. vol. 202; p. 628.
- Leisen & Henes Brewing Co., Menominee, Mich. Beer. No. 97,336; June 2; Gaz. vol. 203; p. 298.
- Leive, Mary E., Fort Wayne, Ind. Remedy for dandruff, itching, and scalp eczema. No. 95,445; Feb. 17; Gaz. vol. 199; p. 935.
- Lek-Ara Company, Chicago, Ill. Medicinal tablets for certain named diseases. No. 97,985; June 30; Gaz. vol. 203; p. 1550.
- Lemy, Pierre C., Paris, France. Certain named foods. No. 95,121; Feb. 3; Gaz. vol. 199; p. 299.
- Lennox Foundry Company, Limited, The, London, England. Metals and certain metal ingots and castings. No. 98,067; June 30; Gaz. vol. 203; p. 1553.
- Leon Mann Co., New York, N. Y. Outer coats and suits. No. 98,409; July 14; Gaz. vol. 204; p. 670.
- Leonard, Anna B., New York, N. Y. Certain named articles made either wholly or partly of porcelain. No. 99,319; Aug. 25; Gaz. vol. 205; p. 1319.
- Leonard, Ruben M., Salisbury, N. C. Application for pneumonia, congestion or inflammation of the lungs, croup, and colds. No. 99,995; Sept. 29; Gaz. vol. 206; p. 1433.
- Leonard, S. A. & W. H., Blountstown, Fla. Table-syrup made from sugar-cane. No. 97,986; June 30; Gaz. vol. 203; p. 1550.
- Leopold Morse Company, Boston, Mass. Suits and overcoats. No. 97,263; May 26; Gaz. vol. 202; p. 1255.
- Les Héritiers de Marie Brizard & Roger, M. B. Glotin, Achard & Glotin, Bordeaux, France. Cordials and liquors. No. 101,486; Dec. 15; Gaz. vol. 209; p. 1050.
- Letts, Arthur, Los Angeles, Cal. Certain preparations for toilet use. No. 97,152; May 19; Gaz. vol. 202; p. 948.
- Levenson, Nathan, Worcester, Mass. Laundry tablets. No. 96,691; Apr. 28; Gaz. vol. 201; p. 1215.
- Lever Brothers Company, Portland, Me., and Cambridge, Mass. Soap. No. 97,490; June 9; Gaz. vol. 203; p. 596.
- Leverly, Alexander S., New York, N. Y. Pills for the treatment of certain named diseases. No. 97,491; June 9; Gaz. vol. 203; p. 596.
- Levi, Berthold, New York, N. Y. Unfinished side of process-leather. No. 95,122; Feb. 3; Gaz. vol. 199; p. 299.
- Levi, Clemente, Rome, Italy. Kinematographic films. No. 98,925; Aug. 11; Gaz. vol. 205; p. 655.
- Levi & Co., Berth., Chicago, Ill. Sausage-binder. No. 100,215; Oct. 13; Gaz. vol. 207; p. 605.
- Levinson & Shapiro, New York, N. Y. Shirts, dress and negligée. No. 97,706; June 16; Gaz. vol. 203; p. 922.
- Levinstein Limited, Blackley, near Manchester, England. Size for textiles. No. 96,522; Apr. 21; Gaz. vol. 201; p. 899.
- Levis, Charles N., *et al.*, executors. (See Hibbs, Josephine L.)
- Levis, William L., *et al.*, executors. (See Hibbs, Josephine L.)
- Lever & Igstaedter, New York, N. Y. Manufacturing ladies' garments in piece form. No. 100,568; Oct. 20; Gaz. vol. 207; p. 929.
- Levy, Abraham, New York, N. Y. Brass, copper, gold, and silver. No. 99,606; Sept. 8; Gaz. vol. 206; p. 585.
- Lévy, Georges, Paris, France. Kinematographic bands or films, &c. No. 96,897; May 5; Gaz. vol. 202; p. 312.
- Levy-Roth G. m. b. H., Berlin, Germany. Cameras. No. 100,987; Nov. 3; Gaz. vol. 208; p. 334.
- Lewis & Bennett Hardware Co., Wilkes-Barre, Pa. Certain named cutlery, tools, and parts thereof. No. 98,878; Aug. 4; Gaz. vol. 205; p. 301.
- Lewis & Son, George W., Westboro, Mass. Lice and fly destroyer. No. 99,759; Sept. 15; Gaz. vol. 206; p. 871.
- Lewisburg Condensed Milk Company, Lewisburg, Pa., and New York, N. Y. Condensed and evaporated milk. No. 94,916; Jan. 13; Gaz. vol. 198; p. 491.
- Lewiston Milling Co., Ltd., Lewiston, Idaho. Wheat-flour. Nos. 96,431-2; Apr. 21; Gaz. vol. 201; p. 896.
- Lewy Chemical Co., The, New York, N. Y. Moth and insect preventives and disinfectants. No. 94,818; Jan. 6; Gaz. vol. 198; p. 235.
- Libby, McNeill & Libby, Chicago, Ill. Canned fruits and fish. No. 96,974; May 12; Gaz. vol. 202; p. 628.
- Libby, McNeill & Libby, Chicago, Ill. Canned fruits and vegetables. No. 97,624; June 16; Gaz. vol. 203; p. 920.
- Libby, McNeill & Libby, Chicago, Ill. Sauer-kraut. No. 101,583; Dec. 29; Gaz. vol. 209; p. 1678.
- Liberty Motion Picture Company, Wilmington, Del., and Philadelphia, Pa. Motion-picture films. No. 100,129; Oct. 6; Gaz. vol. 207; p. 294.
- Liborio Cigar Co., Tampa, Fla. Cigars. No. 101,180; Nov. 17; Gaz. vol. 208; p. 981.
- Licking Creamery Company, The, Newark, Ohio. Ice-cream, butter, milk, and cream. No. 100,569; Oct. 20; Gaz. vol. 207; p. 929.
- Lidell, Valdemar, Portland, Oreg. Radium-emanators for treating water. No. 95,549; Feb. 24; Gaz. vol. 199; p. 1240.
- Liebethal Bros. & Co., Cleveland, Ohio. Beverage consisting principally of celery and gin. No. 97,256; May 26; Gaz. vol. 202; p. 1254.
- Liebethal Bros. & Co., Cleveland, Ohio. Certain named non-alcoholic beverages. No. 99,320; Aug. 25; Gaz. vol. 205; p. 1319.
- Liebethal Bros. & Co., Cleveland, Ohio. Sweet table-wines. No. 99,321; Aug. 25; Gaz. vol. 205; p. 1319.
- Liebman-Philpson Co., Chicago, Ill. Coats, vests, trousers, and overcoats. No. 94,917; Jan. 13; Gaz. vol. 198; p. 491.
- Life-Photo Film Corporation, New York, N. Y. Motion-picture films. No. 99,014; Aug. 11; Gaz. vol. 205; p. 658.
- Lighting Studios Company, New York, N. Y. Glass lamp-shades. No. 95,123; Feb. 3; Gaz. vol. 199; p. 299.
- Lighting Studios Company, New York, N. Y. Glass lamp shades and globes. No. 101,519; Dec. 22; Gaz. vol. 209; p. 1313.
- Lilly, Dungan & Co., Baltimore, Md. Cigars, little cigars, cigarettes, and tobacco. No. 101,182; Nov. 17; Gaz. vol. 208; p. 981.
- Limle & Company, Geneseo, Ill. Bread, cookies, cakes, pies, &c. No. 100,570; Oct. 20; Gaz. vol. 207; p. 929.
- Lincrusta Works "Pallas," Inc., New York, N. Y. Decorative fabric for walls and ceilings. No. 99,476; Sept. 1; Gaz. vol. 206; p. 309.
- Lindhahl, A. (See Lindahl, Anna N. E., assignor.)
- Lindhahl, Anna N. E., assignor to A. Lindahl, Stockholm, Sweden. Antiseptics. Nos. 95,326-7; Feb. 10; Gaz. vol. 199; p. 612.
- Lindberg, Frank, Minneapolis, Minn. Liquid compounds for the treatment of skin diseases, &c., and for treating horses and cattle. No. 97,708; June 16; Gaz. vol. 203; p. 922.
- Lindeke, Warner & Sons, St. Paul, Minn. Hosiery. No. 95,446; Feb. 17; Gaz. vol. 199; p. 935.
- Lindsay Brothers, Incorporated, Philadelphia, Pa. Paper linings for wooden cases. No. 95,124; Feb. 3; Gaz. vol. 199; p. 299.
- Lindt, A. & W., Berne, Switzerland. Certain named foods. No. 100,216; Oct. 13; Gaz. vol. 207; p. 605.
- Linen Underwear Company, Greenwich, N. Y. Absorbent linen-mesh undergarments. No. 97,428; June 2; Gaz. vol. 203; p. 300.
- Lingner-Werke Aktiengesellschaft, Dresden, Germany. Solid, liquid, and powdered soaps. No. 97,429; June 2; Gaz. vol. 203; p. 300.
- Linhart, Joseph, New York, N. Y. Laxative biscuits. No. 100,130; Oct. 6; Gaz. vol. 207; p. 294.
- Link, Adolf P., Brooklyn, N. Y. Water-stills. No. 99,015; Aug. 11; Gaz. vol. 205; p. 658.
- Linke, Albert, Radeberg, Germany. Cheese. No. 99,227; Aug. 25; Gaz. vol. 205; p. 1316.
- Lippitt, Thomas P., Charles Town, W. Va., and Washington, D. C. Fertilizers. Nos. 101,520-1; Dec. 22; Gaz. vol. 209; p. 1313.

Alphabetical list of registrants of trade-marks—Continued.

- Lissberger, Fanny, London, England. Preparations for certain named toilet purposes. No. 99,891; Sept. 22; Gaz. vol. 206; p. 1158.
- Lister & Company, Limited, Bradford, England. Wool, worsted, and hair piece goods. No. 95,447; Feb. 17; Gaz. vol. 199; p. 935.
- Listers Agricultural Chemical Works, Newark, N. J., and New York, N. Y. Fertilizer. No. 101,469; Dec. 15; Gaz. vol. 209; p. 1050.
- Listman Mill Company, La Crosse, Wis. Wheat-flour. No. 95,222; Feb. 3; Gaz. vol. 199; p. 302.
- Liszt Co., The, New York, N. Y. Certain named musical instruments and supplies. No. 100,217; Oct. 13; Gaz. vol. 207; p. 605.
- Little & Company, A. E., Lynn, Mass. Leather and leather and cloth boots and shoes. No. 99,323; Aug. 25; Gaz. vol. 205; p. 1319.
- Little & Company, A. E., Lynn, Mass. Boots and shoes. No. 100,571; Oct. 20; Gaz. vol. 207; p. 929.
- Little, George W., Bullards, Ga. Preparation for the treatment of certain ailments and diseases. No. 96,692; Apr. 28; Gaz. vol. 201; p. 1215.
- Live Air Company, Oakland, Cal. Puncture-proofing substances. No. 99,324; Aug. 25; Gaz. vol. 205; p. 1319.
- Live Leather Belt Company, Inc., The, New York, N. Y. Belts for personal wear. No. 96,898; May 5; Gaz. vol. 202; p. 312.
- Livingstone Company, The, Baltimore, Md. Bonding cement or concrete. No. 98,406; July 14; Gaz. vol. 204; p. 670.
- Livora, Frank, Philadelphia, Pa. Relishes. No. 101,183; Nov. 17; Gaz. vol. 208; p. 981.
- Llopart, Augustin F., Barcelona, Spain. Aerated beverages. No. 98,542; July 21; Gaz. vol. 204; p. 1007.
- Locke Insulator Mfg. Co., The, Victor, N. Y. Insulators. No. 100,131; Oct. 6; Gaz. vol. 207; p. 294.
- Locomotive Arch Brick Company, Chicago, Ill. Bricks and tiles for furnace-arches. No. 100,572; Oct. 20; Gaz. vol. 207; p. 929.
- Lockwood-Luetkemeyer-Henry Company, The, Cleveland, Ohio. Washing-machines. No. 96,433; Apr. 21; Gaz. vol. 201; p. 896.
- Loeck, Anna A., Colton, S. D. Preparation for the treatment of dropsy. No. 98,543; July 21; Gaz. vol. 204; p. 1007.
- Loes, Franz, New York, N. Y. Internal disinfectants for uric-acid diathesis, &c. No. 96,899; May 5; Gaz. vol. 202; p. 313.
- Lofaro & Rossi, Utica, N. Y. Olive-oil. No. 96,434; Apr. 21; Gaz. vol. 201; p. 896.
- Lofaro & Rossi, Utica, N. Y. Olive-oil. No. 96,813; May 5; Gaz. vol. 202; p. 310.
- Logan, Elmer E., Bement, Ill. Preparation for the treatment of eczema. No. 95,448; Feb. 17; Gaz. vol. 199; p. 935.
- Logan, Merritt M., Springfield, Mo. Remedy for scalp and skin diseases. No. 98,168; July 7; Gaz. vol. 204; p. 310.
- London Film Company, The, Limited, Piccadilly, London, England. Films for kinematographs. No. 96,026; Mar. 31; Gaz. vol. 200; p. 1386.
- London Hygienic Chemical Co., London, England. Preparation for the extermination of vermin. No. 96,435; Apr. 21; Gaz. vol. 201; p. 896.
- London-Savannah Naval Stores Co., Savannah, Ga.; Chicago, Ill.; Pensasola, Fla., and New Orleans, La. Pure gum spirits of turpentine. No. 97,709; June 16; Gaz. vol. 203; p. 922.
- London Waterproof Co., The, New York, N. Y. Rain-coats and overcoats. No. 99,016; Aug. 11; Gaz. vol. 205; p. 658.
- Lone Star Brewing Co., San Antonio, Tex. Beer. No. 98,407; July 14; Gaz. vol. 204; p. 670.
- Lone Star Brewing Co., San Antonio, Tex. Beer. No. 99,228; Aug. 25; Gaz. vol. 205; p. 1316.
- Loneragan's, Firm of Dr., Pittsburgh, Pa. Medical compounds for the digestive organs. No. 98,792; Aug. 4; Gaz. vol. 205; p. 299.
- Loneragan's, Dr., Pittsburgh, Pa. Medical compounds for the digestive organs. No. 99,761; Sept. 15; Gaz. vol. 206; p. 871.
- Long-Hargrove Mfg. Co., Tyler, Tex. Overalls and trousers. No. 96,693; Apr. 28; Gaz. vol. 201; p. 1215.
- Lookout Medicine Company, Chattanooga, Tenn. Preparations for the treatment of certain named diseases. No. 98,298; July 7; Gaz. vol. 204; p. 314.
- Loose-Wiles Biscuit Company, Kansas City, Mo. Popcorn and candies. No. 94,918; Jan. 13; Gaz. vol. 198; p. 491.
- Loose-Wiles Biscuit Company, Kansas City, Mo. Chocolate-covered cakes. No. 99,996; Sept. 29; Gaz. vol. 206; p. 1433.
- Loose-Wiles Biscuit Company, Kansas City, Mo. Caramels. No. 99,997; Sept. 29; Gaz. vol. 206; p. 1433.
- Loose-Wiles Biscuit Company, Kansas City, Mo. Chocolate creams. No. 99,998; Sept. 29; Gaz. vol. 206; p. 1433.
- Loose-Wiles Biscuit Company, Kansas City, Mo. Cakes. No. 100,853; Oct. 27; Gaz. vol. 207; p. 1244.
- Loose-Wiles Biscuit Company, Boston, Mass. Biscuits, cakes, and cookies. Nos. 95,449-51; Feb. 17; Gaz. vol. 199; p. 935.
- Loose-Wiles Biscuit Company, Boston, Mass. Biscuit. No. 96,592; Apr. 21; Gaz. vol. 201; p. 901.
- Loose-Wiles Biscuit Company, Boston, Mass. Biscuit. Nos. 97,625-8; June 16; Gaz. vol. 203; p. 920.
- Loose-Wiles Biscuit Company, Boston, Mass. Biscuit. No. 97,987; June 30; Gaz. vol. 203; p. 1550.
- Loose-Wiles Biscuit Company, Boston, Mass. Biscuits, cakes, and cookies. No. 98,544; July 21; Gaz. vol. 204; p. 1007.
- Loose-Wiles Biscuit Company, Boston, Mass. Biscuit. No. 99,607; Sept. 8; Gaz. vol. 206; p. 585.
- Loose-Wiles Biscuit Company, Boston, Mass. Biscuit. Nos. 99,762-5; Sept. 15; Gaz. vol. 206; p. 871.
- Loose-Wiles Biscuit Company, Boston, Mass. Biscuit. No. 100,852; Oct. 27; Gaz. vol. 207; p. 1244.
- Loose-Wiles Biscuit Company, Chicago, Ill. Cakes or cookies. No. 97,257; May 26; Gaz. vol. 202; p. 1254.
- Lopez & Company, V., New York, N. Y. Butter and butter compounds and substitutes. No. 99,057; Aug. 11; Gaz. vol. 205; p. 659.
- Lopez & Company, V., New York, N. Y. Compound of butter, salt brine, and corn-syrup. No. 100,132; Oct. 6; Gaz. vol. 207; p. 294.
- Loring Coes & Co. Inc., Worcester, Mass. Blades for revolving-cylinder cutters. No. 97,824; June 23; Gaz. vol. 203; p. 1255.
- Loth-Hoffman Clothing Co., St. Louis, Mo. Outer suits for boys. No. 98,673; July 28; Gaz. vol. 204; p. 1341.
- Louis Auerbach, Incorporated, New York, N. Y. Neckties and neckscarfs. No. 96,482; Apr. 21; Gaz. vol. 201; p. 898.
- Louis Barnett Sons Inc., New York, N. Y. Ladies' outer suits, coats, and skirts. No. 95,733; Mar. 10; Gaz. vol. 200; p. 577.
- Louisville Courier-Journal Company, The, Louisville, Ky. Monthly magazine. No. 98,299; July 7; Gaz. vol. 204; p. 314.
- Louisville Milling Co., Louisville, Ky. Wheat-flour. No. 96,436; Apr. 21; Gaz. vol. 201; p. 896.
- Louisville Paint Mfg. Co., Louisville, Ky. Paints. No. 95,639; Mar. 3; Gaz. vol. 200; p. 274.
- Louisville Varnish Co., Louisville, Ky. Varnish. No. 101,470; Dec. 15; Gaz. vol. 209; p. 1050.
- Louisville Varnish Co., Louisville, Ky. Varnish. No. 101,522; Dec. 22; Gaz. vol. 209; p. 1313.
- Loveland, Horace W., Wichita, Kans. Popcorn confection. No. 96,975; May 12; Gaz. vol. 202; p. 628.
- Low-Taussig-Karpeles Co., The, Providence, R. I. Certain named precious and imitation stones. No. 98,793; Aug. 4; Gaz. vol. 205; p. 299.
- Lowrie Safe and Lock Company, The, New York, N. Y. Wall-safes and parts thereof. No. 95,452; Feb. 17; Gaz. vol. 199; p. 935.
- Lowry, Thomas, Duluth, Minn. Furniture-polish. No. 99,325; Aug. 25; Gaz. vol. 205; p. 1319.
- Lozano, José B., Laredo, Tex. Remedy for certain named diseases. No. 97,153; May 19; Gaz. vol. 202; p. 948.
- Lozier Motor Company, Detroit, Mich. Automobiles. No. 100,364; Oct. 20; Gaz. vol. 207; p. 923.
- Lucarini, Eugenio, New York, N. Y. Effervescent medicinal preparation. No. 96,148; Apr. 7; Gaz. vol. 201; p. 263.
- Ludlow-Saylor Wire Company, The, St. Louis, Mo. Wire-cloth. No. 95,640; Mar. 3; Gaz. vol. 200; p. 274.
- Luigi Calissano & Figli, Inc., New York, N. Y. Sparkling wines. No. 95,328; Feb. 10; Gaz. vol. 199; p. 612.
- Luigi Calissano & Figli, Inc., New York, N. Y. Light-red table-wines. No. 96,399; Apr. 21; Gaz. vol. 201; p. 895.
- Lullman, John C., St. Louis, Mo. Bar iron and steel and wire. No. 98,068; June 30; Gaz. vol. 203; p. 1553.
- Lumen Bearing Company, Buffalo, N. Y. Lubricants. No. 101,296; Nov. 24; Gaz. vol. 208; p. 1352.
- Lummas Cotton Gin Co., Columbus, Ga. Monthly publication. No. 101,184; Nov. 17; Gaz. vol. 208; p. 981.
- Luneburg, Vincent M., Chicago, Ill. Wire belt-lace. No. 96,149; Apr. 7; Gaz. vol. 201; p. 263.
- Luntz, Harry, Brooklyn, N. Y. Remedy for indigestion, headache, dizziness, nervousness, torpid liver, and kidney complaints. No. 96,900; May 5; Gaz. vol. 202; p. 313.
- Luther Burbank Company, The, San Francisco, Cal. Seeds, nursery stock, and spineless cactus. No. 96,780; May 5; Gaz. vol. 202; p. 309.
- Lutz, Frank, Kansas City, Mo. Pork bait for fishing. No. 97,989; June 30; Gaz. vol. 203; p. 1550.
- Luyties Brothers, New York, N. Y. Liqueur. No. 98,408; July 14; Gaz. vol. 204; p. 670.
- Luyties Pharmacy Company, St. Louis, Mo. Neutralizer and eliminant for the treatment of certain diseases. No. 98,169; July 7; Gaz. vol. 204; p. 310.
- Luyties Pharmacy Company, St. Louis, Mo. Preparation for relief of certain named diseases. No. 98,794; Aug. 4; Gaz. vol. 205; p. 299.
- Lynch-Taylor Produce Co., Inc., North Yakima, Wash. Fresh apples. No. 101,185; Nov. 17; Gaz. vol. 208; p. 981.
- Lyon, Conklin & Co. Inc., Baltimore, Md. Tinsmiths' shears, seaming-machines, soldering-irons, &c. No. 101,297; Nov. 24; Gaz. vol. 208; p. 1352.

Alphabetical list of registrants of trade-marks—Continued.

- Lyon, Conklin & Co., Inc., Baltimore, Md. Metals in ingot and plate form. No. 101,405; Dec. 8; Gaz. vol. 209; p. 680.
- Lyon, Etta, Montclair, N. J. Dolls and dolls' clothes. No. 95,921; Mar. 24; Gaz. vol. 200; p. 1110.
- Lyon & Healy, Chicago, Ill. Perforated music-rolls. No. 95,712; Mar. 3; Gaz. vol. 200; p. 276.
- Lyon & Healy, Chicago, Ill. Strings for musical instruments. No. 96,976; May 12; Gaz. vol. 202; p. 628.
- Lyon Metallic Manufacturing Company, Montgomery, Ill. Metal barrels, lockers, and tool, &c., boxes. No. 99,326; Aug. 25; Gaz. vol. 205; p. 1319.
- Lyon, Samuel B., San Francisco, Cal. Remedies for tobacco-poisoning, biliousness, constipation, &c. No. 96,524; Apr. 21; Gaz. vol. 201; p. 899.
- M. Ainsa & Sons, Inc., El Paso, Tex. Wheat-flour. No. 100,474; Oct. 20; Gaz. vol. 207; p. 926.
- M. Heminway & Sons Silk Company, Watertown, Conn. Monthly publication. No. 96,805; May 5; Gaz. vol. 202; p. 310.
- M. Hommel Wine Co., The, Sandusky, Ohio. Champagne. No. 97,536; June 9; Gaz. vol. 203; p. 597.
- M. Marsh & Son, Inc., Wheeling, W. Va. Stogies. No. 100,715; Oct. 20; Gaz. vol. 207; p. 933.
- M. Rumely Company, Laporte, Ind. Ensilage feed and fodder cutters. No. 95,152; Feb. 3; Gaz. vol. 199; p. 300.
- M. Welte & Sons, Inc., New York, N. Y. Self-playing pianos, organs, and orchestrions. No. 99,826; Sept. 15; Gaz. vol. 206; p. 873.
- M. A. Packard Co., Brockton, Mass. Leather boots and shoes. No. 95,780; Mar. 10; Gaz. vol. 200; p. 578.
- M. A. Udell Specialty Co., New York, N. Y. Sweeping or dust-laying compound. No. 97,512; June 9; Gaz. vol. 203; p. 596.
- M. B. Brown Printing & Binding Company, New York, N. Y. Monthly magazine. No. 96,637; Apr. 28; Gaz. vol. 201; p. 1213.
- M. C. Peters Mill Co. (See Peters, Milton C., assignor.)
- M. S. Levy & Sons, Incorporated, Baltimore, Md. Men's and boys' hats. No. 96,309; Apr. 14; Gaz. vol. 201; p. 565.
- M. W. Duffley, Inc., Chicago, Ill. Cigars. No. 96,116; Apr. 7; Gaz. vol. 201; p. 262.
- M. W. Duffley, Inc., Chicago, Ill. Cigars. No. 96,257; Apr. 14; Gaz. vol. 201; p. 564.
- Maatschappij Vereenigde Van der Burg's Japanlak Fabrieken (United Van der Burg's Japanlac- and Varnish Works), Rotterdam, Netherlands. Paints, varnishes, and lacquers. No. 99,327; Aug. 25; Gaz. vol. 205; p. 1319.
- Maatschappij Vereenigde Van der Burg's Japanlak Fabrieken, (United Vanderburg's Japanlac- and Varnish Works,) Rotterdam, Netherlands. Paints, varnishes, and lacquers. No. 99,999; Sept. 29; Gaz. vol. 206; p. 1433.
- MacAndrews & Forbes Company, Camden, N. J., and New York, N. Y. Pulp-board. No. 100,573; Oct. 20; Gaz. vol. 207; p. 929.
- MacDonald, Harry J., Chicago, Ill. Machinery and parts used in the construction of machines for attaching buttons to shoes, &c. No. 99,328; Aug. 25; Gaz. vol. 205; p. 1319.
- MacKinstry, Annie, New York, N. Y. Hair-dyes. No. 96,525; Apr. 21; Gaz. vol. 201; p. 899.
- MacLaren Imperial Cheese Co., Ltd., Toronto, Ontario, Canada, and Detroit, Mich. Cheese. No. 98,302; July 7; Gaz. vol. 204; p. 314.
- Mack, Heinrich, Ulm, Germany. Borax, borax tooth and wound powders and shampoo preparation. No. 96,150; Apr. 7; Gaz. vol. 201; p. 263.
- Mackie & Coy, Distillers, Ltd., Glasgow, Scotland. Scotch whisky. No. 101,072; Nov. 10; Gaz. vol. 208; p. 652.
- Macleay Estate Co., The, Portland, Oreg. Canned salmon. No. 98,170; July 7; Gaz. vol. 204; p. 310.
- Macleay Estate Co., The, Portland, Oreg. Canned salmon. No. 99,229; Aug. 25; Gaz. vol. 205; p. 1316.
- Macnamara Feature Film Co., Inc., New York, N. Y. Moving-picture films. No. 96,694; Apr. 28; Gaz. vol. 201; p. 1215.
- Macnamara Feature Film Co., Inc., New York, N. Y. Moving-picture films. No. 97,154; May 19; Gaz. vol. 202; p. 948.
- Macy & Co., R. H., New York, N. Y. Textile rugs. No. 98,879; Aug. 4; Gaz. vol. 205; p. 301.
- Madame Irene, New York, N. Y. Boning for corsets. No. 95,110; Feb. 3; Gaz. vol. 199; p. 299.
- Madame X Manufacturing Company, New York, N. Y. Corsets. No. 96,593; Apr. 21; Gaz. vol. 201; p. 901.
- Madame X Manufacturing Company, New York, N. Y. Corsets. No. 96,695; Apr. 28; Gaz. vol. 201; p. 1215.
- Madden, Arthur W., Pittsburgh, Pa. Ointment. No. 97,337; June 2; Gaz. vol. 203; p. 298.
- Maduro Mercantile Co., New York, N. Y. Hosiery. No. 96,594; Apr. 21; Gaz. vol. 201; p. 901.
- Magadi Soda Company, The, Limited, London, England. Alkalis used in manufactures. No. 96,027; Mar. 31; Gaz. vol. 200; p. 1386.
- Magic Suction Company, New York, N. Y. Adhesive composition for attaching artificial teeth to gums. No. 96,310; Apr. 14; Gaz. vol. 201; p. 565.
- Magnus & Lauer, San Francisco, Cal. Syrup for soda-fountain beverages. No. 100,000; Sept. 29; Gaz. vol. 206; p. 1433.
- Mahon & Stanly, New York, N. Y. Certain cleansing-paste. No. 98,676; July 28; Gaz. vol. 204; p. 1341.
- Majer Pipe Company, Wilmington, Del. Smoking-pipes. No. 100,574; Oct. 20; Gaz. vol. 207; p. 929.
- Mainzer, Herbert R., New York, N. Y. Architects' rulers. No. 95,002; Jan. 20; Gaz. vol. 198; p. 700.
- Maison Blanche Company, New Orleans, La. Piece goods. No. 101,126; Nov. 17; Gaz. vol. 208; p. 979.
- Majer, Fanny L., Spokane, Wash. Buttons and fringes. No. 94,919; Jan. 13; Gaz. vol. 198; p. 491.
- Majestic Dress Form Company, Chicago, Ill. Dress-forms. Nos. 101,298-308; Nov. 24; Gaz. vol. 208; p. 1352.
- Maline Mills, The, Winston-Salem, N. C. Underwear. No. 98,307; July 7; Gaz. vol. 204; p. 315.
- Mallory, F. B., Portland, Oreg. Certain named logging tools, machines, and appliances. No. 98,171; July 7; Gaz. vol. 204; p. 310.
- Malloy, Loretta B., Philadelphia, Pa. Toilet preparations, lotions, powder, ointment, and face-cream. No. 95,330; Feb. 10; Gaz. vol. 199; p. 612.
- Malmö Chokolad- & Konfekt-Fabriks Aktie-Bolag, Malmo, Sweden. Cocoa. No. 96,437; Apr. 21; Gaz. vol. 201; p. 896.
- Maloney Oil & Manufacturing Company, Scranton, Pa. Lubricating-oil. No. 95,331; Feb. 10; Gaz. vol. 199; p. 612.
- Malsin, Albert, New York, N. Y. Ladies' suits, dresses, and skirts. No. 96,311; Apr. 14; Gaz. vol. 201; p. 565.
- Malt-Diastase Company, New York, N. Y. Malt extracts. Nos. 101,584-6; Dec. 29; Gaz. vol. 209; p. 1688.
- Malt Food Products Co., of Oswego, N. Y., Oswego, N. Y. Candy. No. 95,453; Feb. 17; Gaz. vol. 199; p. 935.
- Manchester Biscuit Co., Sioux Falls, S. D. Biscuits. No. 98,303; July 7; Gaz. vol. 204; p. 314.
- Manchester-Smith Company, Providence, R. I. Jewelry for personal adornment. No. 96,696; Apr. 28; Gaz. vol. 201; p. 1215.
- Mandel Brothers, Chicago, Ill. Perfumes, toilet waters, face and sachet powders, and rouges. No. 96,697; Apr. 28; Gaz. vol. 201; p. 1215.
- Mandel Limousine Co., Chicago, Ill. Vehicles, vehicle tops and bodies. No. 96,312; Apr. 14; Gaz. vol. 201; p. 565.
- Manekin, Harry, Philadelphia, Pa. Cigars. No. 99,230; Aug. 25; Gaz. vol. 205; p. 1316.
- Manhattan Drug Co., New York, N. Y. Tooth-paste. No. 98,795; Aug. 4; Gaz. vol. 205; p. 299.
- Manhattan Drug Company, New York, N. Y. Medicinal ointment. No. 97,710; June 16; Gaz. vol. 203; p. 922.
- Manhattan Electrical Supply Co., Jersey City, N. J., and New York, N. Y. Dry batteries. No. 96,313; Apr. 14; Gaz. vol. 201; p. 566.
- Mann Edge Tool Co., Lewistown, Pa. Axes. No. 100,002; Sept. 29; Gaz. vol. 206; p. 1433.
- Manning Sand Paper Company, Watervliet, N. Y. Abrasive paper and cloth. Nos. 97,430-3; June 2; Gaz. vol. 203; p. 300.
- Mansfield Tire & Rubber Co., The, Mansfield, Ohio. Rubber automobile and vehicle tires. No. 99,479; Sept. 1; Gaz. vol. 206; p. 309.
- Mantle Lamp Company of America, The, Chicago, Ill. Mantle lamp-burners and parts thereof. No. 95,256; Feb. 3; Gaz. vol. 199; p. 303.
- Manufacturers Brush Company, The, Cleveland, Ohio. Brushes. No. 99,162; Aug. 18; Gaz. vol. 205; p. 1017.
- Manufacturers and Retailers Company, Chicago, Ill. Matches. No. 100,368; Oct. 20; Gaz. vol. 207; p. 923.
- Manufacturers and Retailers Company, Chicago, Ill. Soap, cleanser, and metal-polish. No. 101,104; Nov. 10; Gaz. vol. 208; p. 653.
- Manus & Bros., R., Philadelphia, Pa. Cigars. No. 97,434; June 2; Gaz. vol. 203; p. 301.
- Marblehead Lime Company, Chicago, Ill. Lime. No. 97,258; May 26; Gaz. vol. 202; p. 1255.
- Marchosky, Shulem J., New York, N. Y. Cigarettes. Nos. 96,698-9; Apr. 28; Gaz. vol. 201; p. 1215.
- Marcum, Harvey C., Arthur, Tenn. Liniment. No. 98,172; July 7; Gaz. vol. 204; p. 311.
- Marcus, Simon, Philadelphia, Pa. Laxative pills. No. 96,438; Apr. 21; Gaz. vol. 201; p. 896.
- Marcus Ward Company, Brooklyn, N. Y. Paper, envelopes, and tablets. No. 97,299; May 26; Gaz. vol. 202; p. 1256.
- Marder, John L., Carrollton, Ill., and St. Louis, Mo. Medicine for certain named diseases. No. 96,526; Apr. 21; Gaz. vol. 201; p. 899.
- Margulis, Myer, Philadelphia, Pa. Raisin brandy. No. 97,338; June 2; Gaz. vol. 203; p. 298.
- Margulis, Myer, Philadelphia, Pa. Cognac brandy. No. 97,339; June 2; Gaz. vol. 203; p. 298.
- Mariani Bro's., New York, N. Y. Cordials. No. 95,641; Mar. 3; Gaz. vol. 200; p. 274.
- Mariani and Company, New York, N. Y., and Paris, France. Wine appetizer. No. 100,133; Oct. 6; Gaz. vol. 207; p. 294.
- Mariani and Company, New York, N. Y., and Paris, France. Wine appetizer. No. 100,576; Oct. 20; Gaz. vol. 207; p. 929.

Alphabetical list of registrants of trade-marks—Continued.

- Marine Torch Company of Baltimore City, Baltimore, Md. Gas-torches and search-lights. Nos. 101,186-7; Nov. 17; Gaz. vol. 208; p. 981.
- Marino, Vincent, Washington, D. C. Liniment. No. 97,155; May 19; Gaz. vol. 202; p. 948.
- Marion Shoe Company, Marion, Ind. Leather shoes. No. 97,545; June 9; Gaz. vol. 203; p. 597.
- Markham, Charles J., Houghton, Mich. Candy. No. 95,454; Feb. 17; Gaz. vol. 199; p. 935.
- Markham Sons & Co., Limited, Derby, England. Lubricating-oil. No. 97,259; May 26; Gaz. vol. 202; p. 1255.
- Marks, Leo R., Cincinnati, Ohio. Men's coats and pants of certain materials for tropical wear. No. 95,455; Feb. 17; Gaz. vol. 199; p. 935.
- Marlowe Manufacturing Company, New York, N. Y. Hair-nets. Nos. 98,880-1; Aug. 4; Gaz. vol. 205; p. 301.
- Marlowe Manufacturing Company, New York, N. Y. Hair-nets. No. 100,577; Oct. 20; Gaz. vol. 207; p. 929.
- Marquette Cement Manufacturing Co., Chicago, Ill. Portland cement. No. 99,609; Sept. 8; Gaz. vol. 206; p. 585.
- Marr Bros. Co., E. L., Westerly, R. I. Ointment. No. 99,395; Aug. 25; Gaz. vol. 205; p. 1321.
- Marsh & Marsh, Omaha, Nebr. Butter and eggs. No. 100,716; Oct. 20; Gaz. vol. 207; p. 933.
- Marshall Field & Company, Chicago, Ill. Hair-nets. No. 94,897; Jan. 13; Gaz. vol. 198; p. 490.
- Marshall Field & Company, Chicago, Ill. Garment-shields. No. 95,825; Mar. 17; Gaz. vol. 200; p. 853.
- Marshall Field & Company, Chicago, Ill. Hosiery. No. 95,899; Mar. 24; Gaz. vol. 200; p. 1110.
- Marshall Field & Company, Chicago, Ill. Hosiery. No. 96,004; Mar. 31; Gaz. vol. 200; p. 1386.
- Marshall Field & Company, Chicago, Ill. Hair-nets. No. 98,269; July 7; Gaz. vol. 204; p. 313.
- Marshall Oil Company of Iowa, Marshalltown, Iowa. Oils and lubricants for motor-cycles. No. 100,134; Oct. 6; Gaz. vol. 207; p. 295.
- Marteau, Ralph L., Washington, D. C. Foot-powders. No. 97,065; May 19; Gaz. vol. 202; p. 946.
- Martheo Chemical Co., The, Columbus, Ohio. Soap in paste form. No. 96,977; May 12; Gaz. vol. 202; p. 628.
- Martin, Mary J., Portland, Oreg. Skin-balm, liquid face-dressing, hair and scalp tonic, shampoo preparation, &c. No. 98,545; July 21; Gaz. vol. 204; p. 1007.
- Martin, Robert, Baltimore, Md. Tinted cloth for the complexion. No. 97,711; June 16; Gaz. vol. 203; p. 922.
- Martins Birmingham Limited, Birmingham, England. Traveling-bags, trunks, portfolios, and pocket-books. No. 96,814; May 5; Gaz. vol. 202; p. 310.
- Marukin-Shoyu-Kabushiki-Kwaisha, Nobamura, Shozu-gun, Kagawa-Ken, Japan. Soy. No. 95,642; Mar. 3; Gaz. vol. 200; p. 274.
- Maryland Rubber Company, Baltimore, Md. Rubber coats. No. 100,369; Oct. 20; Gaz. vol. 207; p. 923.
- Maskey's, Inc., San Francisco, Cal. Candy. No. 100,579; Oct. 20; Gaz. vol. 207; p. 929.
- Mason Fence Company, The, Leesburg, Ohio. Wire grips and stretchers and woven-wire stretchers. No. 96,028; Mar. 31; Gaz. vol. 200; p. 1386.
- Mason & Hamlin Co., Cambridge, Mass. Pianos and organs. No. 98,304; July 7; Gaz. vol. 204; p. 314.
- Mason & Hanson, New York, N. Y. Woolen piece goods and tailors' trimmings. Nos. 99,610-11; Sept. 8; Gaz. vol. 206; p. 585.
- Mason, Howard & Co., Attleboro, Mass. Certain named articles made of or plated with precious metal. No. 99,112; Aug. 18; Gaz. vol. 205; p. 1016.
- Mason-Seaman Transportation Company, New York, N. Y. Taxicabs and horse-drawn and motor-propelled vehicles. No. 100,370; Oct. 20; Gaz. vol. 207; p. 923.
- Massachusetts Cotton Mills, Lowell, Mass. Cotton piece goods. No. 98,546; July 21; Gaz. vol. 204; p. 1007.
- Master Builders Company, The, Cleveland, Ohio. Plastic compounds for roofs. No. 96,701; Apr. 28; Gaz. vol. 201; p. 1215.
- Master Builders Company, The, Cleveland, Ohio. Concrete hardening, filling, and bonding materials. No. 99,163; Aug. 18; Gaz. vol. 205; p. 1017.
- Master Carburetor Company, Los Angeles, Cal. Carbureters. No. 97,260; May 26; Gaz. vol. 202; p. 1255.
- Mathis and Fergusson, Salt Lake City, Utah. Flexible surgical pads, surgical bandages and belts. No. 100,717; Oct. 20; Gaz. vol. 207; p. 933.
- Matteawan Manufacturing Company, New York and Matteawan, N. Y. Hats. No. 97,870; June 23; Gaz. vol. 203; p. 1257.
- Mattel, A., Fresno, Cal. Wines. No. 95,125; Feb. 3; Gaz. vol. 199; p. 299.
- Matthews & Sons, Geo. B., New Orleans, La. Feed for horses and mules. No. 96,439; Apr. 21; Gaz. vol. 201; p. 896.
- Maurer, Edward P., Cleveland, Ohio. Electric transformers. No. 99,480; Sept. 1; Gaz. vol. 206; p. 309.
- Maurine Company, Portland, Oreg. Face and massage creams, face-lotion, rouge, and hair-tonic. No. 95,922; Mar. 24; Gaz. vol. 200; p. 1110.
- Maurycy-Cole Company, Memphis, Tenn. Coffee. No. 101,073; Nov. 10; Gaz. vol. 208; p. 652.
- Maxwell Motor Company, Incorporated, Detroit, Mich. Automobiles. No. 99,164; Aug. 18; Gaz. vol. 205; p. 1017.
- Mayer, Alfred, Philadelphia, Pa. Cigars, cigarettes, tobacco, and snuff. No. 96,702; Apr. 28; Gaz. vol. 201; p. 1215.
- Mayer, D. & E. L., New York, N. Y. Neckties. No. 96,315; Apr. 14; Gaz. vol. 201; p. 566.
- Mayer Gebrüder, Esslingen, Germany. Paint and varnish. No. 96,316; Apr. 14; Gaz. vol. 201; p. 566.
- Mayer, Max, New York, N. Y. Whisky. No. 98,410; July 14; Gaz. vol. 204; p. 670.
- Mayer, Richard, Boston, Mass. Cleaning-cloths. No. 96,703; Apr. 28; Gaz. vol. 201; p. 1215.
- Mayflower Mills, Fort Wayne, Ind. Wheat-flour. No. 95,643; Mar. 3; Gaz. vol. 200; p. 274.
- Mayhew Milling Co., Owensboro, Ky. Flour. No. 98,677; July 28; Gaz. vol. 204; p. 1341.
- McBurney, William F., Los Angeles, Cal. Preparations for the treatment of coughs, rheumatism, &c. No. 96,029; Mar. 31; Gaz. vol. 200; p. 1387.
- McCandless Co., B. W., Los Angeles, Cal. Certain named toilet preparations. No. 95,257; Feb. 3; Gaz. vol. 199; p. 303.
- McCann, William, Minneapolis, Minn. Metal-polish. No. 95,644; Mar. 3; Gaz. vol. 200; p. 274.
- McCaskey Register Company, The, Alliance, Ohio. Monthly publication. No. 99,892; Sept. 22; Gaz. vol. 206; p. 1158.
- McChesney, Harry W., St. Louis, Mo. Medicinal liniment. No. 100,580; Oct. 20; Gaz. vol. 207; p. 929.
- McCleary, Wallin & Crouse, Amsterdam, N. Y. Textile rugs. No. 97,871; June 23; Gaz. vol. 203; p. 1257.
- McClellan Paper Company, Minneapolis, Minn. Writing-paper. No. 100,581; Oct. 20; Gaz. vol. 207; p. 929.
- McClinton's, Ltd., Donaghmore, Ireland. Certain pharmaceutical preparations and oils. No. 100,003; Sept. 29; Gaz. vol. 206; p. 1433.
- McClure Company, The, Saginaw, Mich. Wooden staves impregnated with wood-preserved. No. 96,704; Apr. 28; Gaz. vol. 201; p. 1215.
- McClure Company, The, Saginaw, Mich. Liquid used in treating wood to prevent its decaying. No. 96,705; Apr. 28; Gaz. vol. 201; p. 1215.
- McCormick & Co., Baltimore, Md. Table relishes and salad-dressings. No. 95,645; Mar. 3; Gaz. vol. 200; p. 274.
- McCormick, John, New York, N. Y. Certain named citrus fruits. No. 97,156; May 19; Gaz. vol. 202; p. 949.
- McCready & Webster, Baltimore, Md. Canned fruits, vegetables, and oysters. No. 99,058; Aug. 11; Gaz. vol. 205; p. 659.
- McCreedy, George S., Brooklyn, N. Y. Toilet soap. No. 95,258; Feb. 3; Gaz. vol. 199; p. 303.
- McDonald, Charles C., Elyria, Ohio. Canned pork and beans with tomato sauce. Nos. 96,151-2; Apr. 7; Gaz. vol. 201; p. 263.
- McDonald, Charles C., Elyria, Ohio. Canned pork and beans with tomato sauce. No. 96,595; Apr. 21; Gaz. vol. 201; p. 901.
- McEwan & Co., John, Edinburgh, Scotland. Whisky. No. 95,127; Feb. 3; Gaz. vol. 199; p. 299.
- McFadden Coffee & Spice Co., Dubuque, Iowa. Coffee. No. 99,893; Sept. 22; Gaz. vol. 206; p. 1158.
- McFaddin & Co., H. G., New York, N. Y. Glass lamp globes, shades, and reflectors. No. 99,481; Sept. 1; Gaz. vol. 206; p. 309.
- McFerran, Frank L., Syracuse, N. Y. White-kid-glove cleaner. No. 95,646; Mar. 3; Gaz. vol. 200; p. 274.
- McGarrett, Franklin, Attleboro, Mass. Insecticide. No. 98,796; Aug. 4; Gaz. vol. 205; p. 299.
- McGeary, Firm of H. H. and H. R., Apollo, Pa. Salve. No. 101,074; Nov. 10; Gaz. vol. 208; p. 652.
- McGinnis, Edward A., Pittsburgh, Pa. Mentholated egg-shampoo cream. No. 101,075; Nov. 10; Gaz. vol. 208; p. 652.
- McGowan Company, The, Homestead, Pa. Puncture cure for pneumatic tires. No. 97,546; June 9; Gaz. vol. 203; p. 597.
- McIlhenny Company, Portland, Me., and Avery Island, La. Certain food compound. No. 99,231; Aug. 25; Gaz. vol. 205; p. 1316.
- McInturff, Robert E., McComb, Miss. Medical preparations for certain named uses. No. 98,797; Aug. 4; Gaz. vol. 205; p. 299.
- McIntyre, Hogg, Marsh and Company Limited, London, England. Certain named clothing. No. 97,774; June 16; Gaz. vol. 203; p. 924.
- McIntyre, William H., Auburn, Ind. Cycle-cars. No. 98,678; July 28; Gaz. vol. 204; p. 1341.
- McKee, David, Wichita, Kans. Oil-burners. No. 96,815; May 5; Gaz. vol. 202; p. 310.
- McKeon Co., The, Holyoke, Mass. Medicinal preparation for certain named diseases. No. 97,157; May 19; Gaz. vol. 202; p. 949.
- McKinney, Eva J., Clinton, Ill. Waist and skirt supporters. No. 96,706; Apr. 28; Gaz. vol. 201; p. 1215.
- McKirdy, William, Nepigon, Ontario, Canada. Fly-repellents. No. 96,423; Apr. 21; Gaz. vol. 201; p. 896.

Alphabetical list of registrants of trade-marks—Continued.

- McLain, Robert E., Warrenton, Tex. Medicine for diarrhea, dropsy, and piles. No. 96,154; Apr. 7; Gaz. vol. 201; p. 263.
- McManis & Smith, Seattle, Wash. Curative for blood disorders. No. 101,076; Nov. 10; Gaz. vol. 208; p. 652.
- McMichael, J. C., Atlanta, Ga. Rice. No. 97,629; June 16; Gaz. vol. 203; p. 920.
- McMonagle & Rogers, Incorporated, Middletown, N. Y. Fruit flavors for foods. No. 98,679; July 28; Gaz. vol. 204; p. 1341.
- McNamee, Thomas H., Watsonville, Cal. Preparation for the treatment of certain named diseases. No. 98,957; Aug. 11; Gaz. vol. 205; p. 656.
- McNutt Non-Explosive Can Co., New York, N. Y. Safety-containers for explosive and inflammable fluids. No. 95,647; Mar. 3; Gaz. vol. 200; p. 274.
- McNutt Non-Explosive Can Co., New York, N. Y. Safety-containers for explosives and inflammable fluids. No. 97,066; May 19; Gaz. vol. 202; p. 946.
- McPherson Heights Citrus Association, McPherson, Cal. Citrus fruits. Nos. 95,223-4; Feb. 3; Gaz. vol. 199; p. 302.
- Mead-Morrison Mfg. Co., Portland, Me., and Boston, Mass. Certain named machinery. No. 97,158; May 19; Gaz. vol. 202; p. 949.
- Mealy Manufacturing Company, Baltimore, Md. Watch-bracelets. No. 100,005; Sept. 29; Gaz. vol. 206; p. 1433.
- Mechanical Rubber Company, The, Jersey City, N. J.; New York, N. Y., and Cleveland, Ohio. Tank float bulbs or balls. No. 98,411; July 14; Gaz. vol. 204; p. 670.
- Mechanical Rubber Company, The, Jersey City, N. J.; New York, N. Y., and Cleveland, Ohio. Electrical insulating-tape. No. 100,135; Oct. 6; Gaz. vol. 207; p. 295.
- Mechel, Charles E., Milwaukee, Wis. Horse remedies. No. 97,067; May 19; Gaz. vol. 202; p. 946.
- Mechel, Charles E., Milwaukee, Wis. Horse remedies for certain named diseases. No. 97,159; May 19; Gaz. vol. 202; p. 949.
- Meek, Martin F., Williamson, W. Va. Pop, ginger-ale, and other like non-alcoholic beverages. No. 101,588; Dec. 29; Gaz. vol. 209; p. 1688.
- Meier, Mae A., St. Louis, Mo. Salad-dressings. No. 100,582; Oct. 20; Gaz. vol. 207; p. 929.
- Melanson Shoe Co., Lynn, Mass. Leather shoes. No. 101,589; Dec. 29; Gaz. vol. 209; p. 1688.
- Melba Manufacturing Company, Chicago, Ill. Perfumes, toilet powders and creams. No. 100,371; Oct. 20; Gaz. vol. 207; p. 923.
- Mellier Company—Perfumer, St. Louis, Mo. Perfumery. No. 99,767; Sept. 15; Gaz. vol. 206; p. 871.
- Mello Breakfast Wheat Company, Minneapolis, Minn. Wheat breakfast food. No. 94,920; Jan. 13; Gaz. vol. 198; p. 491.
- Melster, Herman R., Jacksonville, Fla. Mineral water. No. 97,872; June 23; Gaz. vol. 203; p. 1257.
- Melville A. Gunst Costume Co., New York, N. Y. Ladies' and misses' dresses and costumes. No. 99,459; Sept. 1; Gaz. vol. 206; p. 308.
- Melville Clark Piano Company, Chicago, Ill. Player-pianos and piano-players. No. 100,196; Oct. 13; Gaz. vol. 207; p. 605.
- Melville, Frank, Jr., New York, N. Y. Leather shoes. No. 100,372; Oct. 20; Gaz. vol. 207; p. 923.
- Melville, Frank, Jr., New York, N. Y. Shoes. No. 100,718; Oct. 20; Gaz. vol. 207; p. 933.
- Men-Tho-Magic Co., The, Mechanicsville, N. Y. Salves used externally for certain named ailments. No. 100,584; Oct. 20; Gaz. vol. 207; p. 929.
- Mendall, Jacob, New York, N. Y. Candies. No. 96,816; May 5; Gaz. vol. 202; p. 310.
- Mendelsohn, Abraham, assignor to D. T. Punch, trustee for R. Punch, Chicago, Ill. Mops and parts therefor. No. 100,373; Oct. 20; Gaz. vol. 207; p. 923.
- Mendelson Bros., Inc., San Francisco, Cal. Dress and negligée shirts, undershirts, pajamas, &c. No. 100,583; Oct. 20; Gaz. vol. 207; p. 929.
- Mendia, Soledad I. de, Mexico, Mexico. Remedy for tuberculosis and pulmonary troubles. No. 96,652; Apr. 28; Gaz. vol. 201; p. 1214.
- Menominee River Brewing Co., Menominee, Mich. Beer and porter. No. 97,547; June 9; Gaz. vol. 203; p. 598.
- Menthacol Co., Chattanooga, Tenn. Remedy for certain named ailments and diseases. No. 95,332; Feb. 10; Gaz. vol. 199; p. 612.
- Menzel & Co., New York, N. Y. Sardines. No. 98,305; July 7; Gaz. vol. 204; p. 314.
- Menzel & Co., New York, N. Y. Sardines. No. 98,547; July 21; Gaz. vol. 204; p. 1008.
- Merchant Tailors Co-operative Society, New York, N. Y. Woolens, worsteds, silks, cottons, and linens in the piece. No. 94,821; Jan. 6; Gaz. vol. 198; p. 235.
- Merchants Candy Co., Salt Lake City, Utah. Candy. No. 96,978; May 12; Gaz. vol. 202; p. 628.
- Mercian, Joseph H., New York, N. Y. Canned or preserved fish. No. 96,155; Apr. 7; Gaz. vol. 201; p. 263.
- Mercian, Joseph H., New York, N. Y. Canned or preserved fish. Nos. 96,441-4; Apr. 21; Gaz. vol. 201; p. 896.
- Merck & Co., New York, N. Y. Zinc stearate for medical uses. No. 97,993; June 30; Gaz. vol. 203; p. 1550.
- Merck & Co., New York, N. Y. Photographic developer. No. 101,188; Nov. 17; Gaz. vol. 208; p. 981.
- Mercurio Publishing Company, New Orleans, La. Spanish magazine published monthly. No. 96,707; Apr. 28; Gaz. vol. 201; p. 1215.
- Meredith, Leon, London, England. Pneumatic tires. No. 97,492; June 9; Gaz. vol. 203; p. 596.
- Meredith, Thomas W., New York, N. Y. Boots, shoes, and slippers. No. 97,493; June 9; Gaz. vol. 203; p. 596.
- Mergenthaler Linotype Company, New York, N. Y. Linotypes and parts thereof. No. 97,873; June 23; Gaz. vol. 203; p. 1257.
- Merkel & Son, Isaac, Plattsburg, N. Y. Carbonated mineral water. No. 99,330; Aug. 25; Gaz. vol. 205; p. 1319.
- Merriman Brothers, Boston, Mass. Pulley blocks, sheaves, bushings, and bearings. No. 96,708; Apr. 28; Gaz. vol. 201; p. 1215.
- Merritt, Hiram, Newburgh, N. Y. Fire-extinguishing fluid. No. 96,901; May 5; Gaz. vol. 202; p. 313.
- Merry Optical Company, Kansas City, Mo. Spectacles and eyeglasses. No. 97,775; June 16; Gaz. vol. 203; p. 924.
- Mersky Bros. Shoe Co., Lynn, Mass. Girls' shoes. No. 101,077; Nov. 10; Gaz. vol. 208; p. 652.
- Messinger, J. F. (See Burns, John H., assignor.)
- Messers Projection G. m. B. H., Berlin, Germany. Films for the so-called living photographs. No. 99,768; Sept. 15; Gaz. vol. 206; p. 871.
- Metallic Packing & Manufacturing Co., The, Elyria, Ohio. Certain named parts of engines and the like. No. 94,921; Jan. 13; Gaz. vol. 198; p. 491.
- Metcalf, Daniel D., Greenville, Ala. Feed for live stock and poultry. No. 95,457; Feb. 17; Gaz. vol. 199; p. 935.
- Metzler, Henry W., Champaign, Ill. Remedy for diseases of poultry and swine. No. 96,527; Apr. 21; Gaz. vol. 201; p. 899.
- Metzler, Samuel S., Chicago, Ill. Liniments. No. 100,859; Oct. 27; Gaz. vol. 207; p. 1244.
- Meyer, Arnold O., Hamburg, Germany. Certain named hardware and plumbing supplies. No. 95,836; Mar. 17; Gaz. vol. 200; p. 853.
- Meyer, Arnold O., Hamburg, Germany. Yarns. No. 96,156; Apr. 7; Gaz. vol. 201; p. 263.
- Meyer, Firm of Arnold O., Hamburg, Germany. Hand sewing-needles, hooks and eyes. No. 96,528; Apr. 21; Gaz. vol. 201; p. 899.
- Meyer, Firm of Arnold O., Hamburg, Germany. Hinges, locks, metallic valves, &c. No. 98,173; July 7; Gaz. vol. 204; p. 311.
- Meyer, Firm of Arnold O., Hamburg, Germany. Duck. No. 98,882; Aug. 4; Gaz. vol. 205; p. 301.
- Meyer, Firm of Arnold O., Hamburg, Germany. Certain named tools, parts thereof, cutlery, and machinery. No. 98,958; Aug. 11; Gaz. vol. 205; p. 656.
- Meyer, Firm of Arnold O., Hamburg, Germany. Leather and rubber boots and shoes. No. 98,959; Aug. 11; Gaz. vol. 205; p. 656.
- Meyer, Firm of Arnold O., Hamburg, Germany. Blankets. No. 99,113; Aug. 18; Gaz. vol. 205; p. 1016.
- Meyer, Firm of Arnold O., Hamburg, Germany. Linseed-oil. No. 99,331; Aug. 25; Gaz. vol. 205; p. 1319.
- Meyer & C. D., Bahia Blanca, Argentina. Wire. No. 100,988; Nov. 3; Gaz. vol. 208; p. 334.
- Meyer & Carmody Import Co., Inc., New York, N. Y. Olives, sardines, peanut-butter, and salad-dressing. No. 98,306; July 7; Gaz. vol. 204; p. 315.
- Meyer, Foote & Dayton Co., Rochester, N. Y. Coffee and tea. No. 99,769; Sept. 15; Gaz. vol. 206; p. 871.
- Meyer, George J., New York, N. Y. Mothproofed fabrics. No. 97,630; June 16; Gaz. vol. 203; p. 920.
- Meyer, George von L., et al., trustees. (See Amoskeag Manufacturing Company, assignor.)
- Meyer, Isidore B., Denver, Colo. Cough medicines. No. 100,136; Oct. 6; Gaz. vol. 207; p. 295.
- Meyer, John C., Lowell, Mass. Thread. Nos. 95,837-8; Mar. 17; Gaz. vol. 200; p. 853.
- Meyer & Sons, F., Brooklyn, N. Y. Hosiery and underwear. No. 95,775; Mar. 10; Gaz. vol. 200; p. 578.
- Mez & Söhne, Carl, Freiburg, Breisgau, Germany. Threads. Nos. 97,160-1; May 19; Gaz. vol. 202; p. 949.
- Mezger, Charles A., Brooklyn, N. Y. Spark-plugs. No. 98,174; July 7; Gaz. vol. 204; p. 311.
- Mezger, William, Buffalo, N. Y. Corn remedy. No. 95,458; Feb. 17; Gaz. vol. 199; p. 935.
- Mianus Mfg. Co., The, Coscob, Conn. Cloakings. No. 100,375; Oct. 20; Gaz. vol. 207; p. 923.
- Micagraphic Slide Company. (See Watson Brothers, assignors.)
- Michigan Salt Works, Marine City, Mich. Salt. No. 97,340; June 2; Gaz. vol. 203; p. 298.
- Michinova Chemical Company, Detroit, Mich. Certain pharmaceutical preparations and preparations for treating certain diseases. No. 101,189; Nov. 17; Gaz. vol. 208; p. 981.
- Middleton, Hubert J., New York, N. Y. Ginger-beer. No. 98,799; Aug. 4; Gaz. vol. 205; p. 299.
- Middleton, Hubert J., New York, N. Y. Ginger-beer. No. 100,006; Sept. 29; Gaz. vol. 206; p. 1433.

Alphabetical list of registrants of trade-marks—Continued.

- Middletown Silver Company, The, Middletown, Conn. Silver-plated hollow ware and tableware. No. 98,800; Aug. 4; Gaz. vol. 205; p. 299.
- Mietz, August, New York, N. Y. Lubricating-oil. No. 95,128; Feb. 3; Gaz. vol. 199; p. 299.
- Migel & Co., M. C., New York, N. Y. Silk piece goods. Nos. 97,341-4; June 2; Gaz. vol. 203; p. 298.
- Miles Manufacturing Co., Philadelphia, Pa. Roach-powder. No. 97,494; June 9; Gaz. vol. 203; p. 596.
- Millar, Ora O., Fort Bragg, Cal. Ground herbs and seeds for flavoring cooked dishes. No. 97,631; June 16; Gaz. vol. 203; p. 920.
- Miller Bros. & Co., New York, N. Y. Parasols and umbrellas. No. 95,004; Jan. 20; Gaz. vol. 198; p. 700.
- Miller, Charles N., Boston, Mass. Candy. No. 95,225; Feb. 3; Gaz. vol. 199; p. 302.
- Miller, Charles N., Boston, Mass. Candy. No. 97,632; June 16; Gaz. vol. 203; p. 920.
- Miller Cigar Co., The, Wheeling, W. Va. Stogies. No. 99,895; Sept. 22; Gaz. vol. 206; p. 1158.
- Miller & Company, Fort Wayne, Ind. Cleanser. No. 101,471; Dec. 15; Gaz. vol. 209; p. 1050.
- Miller-Cummings Company, Inc., New York, N. Y. Cantaloupes. No. 100,376; Oct. 20; Gaz. vol. 207; p. 923.
- Miller Drug Co., Philadelphia, Pa. Cod-liver-oil tonic. No. 96,529; Apr. 21; Gaz. vol. 201; p. 899.
- Miller-Elmer Mfg. Co., Ltd., New Orleans, La. Candy. No. 100,007; Sept. 29; Gaz. vol. 206; p. 1433.
- Miller, John F., Wheeling, W. Va. Stogies. No. 99,894; Sept. 22; Gaz. vol. 206; p. 1158.
- Miller, and John P. Rafferty, Firm of Henry W., Baltimore, Md. Preparation for oiling, cleaning, and polishing furniture and woodwork. No. 97,162; May 19; Gaz. vol. 202; p. 949.
- Miller, Laura B., Aldan, Pa. Preparation for the treatment of skin diseases and eruptions. No. 99,482; Sept. 1; Gaz. vol. 206; p. 309.
- Miller Lock Company, Philadelphia, Pa. Locks, padlocks, and keys. No. 98,069; June 30; Gaz. vol. 203; p. 1553.
- Miller Oil Co., Chanute, Kans. Lubricating oils and greases, kerosene, and gasoline. No. 97,715; June 16; Gaz. vol. 203; p. 922.
- Miller, Ralph H., Algona, Iowa. Remedy for cholera, rump, limberneck, &c. No. 99,396; Aug. 25; Gaz. vol. 205; p. 1321.
- Miller, Robert E., New York, N. Y. Casters. No. 97,874; June 23; Gaz. vol. 203; p. 1257.
- Mills, David B., Bloomfield, N. J., assignor to Pasha Spark-Plug Company. Spark-plugs and parts. No. 99,165; Aug. 18; Gaz. vol. 205; p. 1017.
- Mills & Gibb, East Orange, N. J., and New York, N. Y. Gloves. No. 95,129; Feb. 3; Gaz. vol. 199; p. 299.
- Mills & Gibb, East Orange, N. J., and New York, N. Y. Gloves. No. 97,163; May 19; Gaz. vol. 202; p. 949.
- Millville Flour and Grain Company, Millville, N. J. Wheat-flour. No. 100,856; Oct. 27; Gaz. vol. 207; p. 1244.
- Milne, Walter S., Cleveland and Chattanooga, Tenn. Chairs and rockers. No. 95,550; Feb. 24; Gaz. vol. 199; p. 1240.
- Milton Bradley Co., Springfield, Mass. Games. No. 97,209; May 26; Gaz. vol. 202; p. 1253.
- Milton Bradley Co., Springfield, Mass. Games. No. 97,390; June 2; Gaz. vol. 203; p. 299.
- Milton Bradley Co., Springfield, Mass. Games. No. 97,815; June 23; Gaz. vol. 203; p. 1255.
- Milton Bradley Co., Springfield, Mass. Games. No. 99,275; Aug. 25; Gaz. vol. 205; p. 1317.
- Milwaukee Apron Company, Milwaukee, Wis. Aprons. No. 97,548; June 9; Gaz. vol. 203; p. 598.
- Milwaukee Chair Company, Milwaukee, Wis., and Chicago, Ill. Chairs. No. 100,377; Oct. 20; Gaz. vol. 207; p. 923.
- Milwaukee Grains & Feed Company, Milwaukee, Wis. Brewers' dried grains. No. 99,612; Sept. 8; Gaz. vol. 206; p. 585.
- Milwaukee Sales Co., Milwaukee, Wis. Certain named floor cleaning and polishing devices. No. 99,770; Sept. 15; Gaz. vol. 206; p. 871.
- Milwaukee-Waukesha Brewing Company, Milwaukee, Wis. Lager-beer, ale, stout, and malt tonic. No. 95,334; Feb. 10; Gaz. vol. 199; p. 612.
- Mine and Smelter Supply Co., The, Denver, Colo., and New York, N. Y. Belting, hose, and tubing. No. 95,131; Feb. 3; Gaz. vol. 199; p. 299.
- Miner-Hillard Milling Co., Wilkes-Barre, Pa. Wheat-flour. No. 97,633; June 16; Gaz. vol. 203; p. 920.
- Minneapolis Paper Company, Minneapolis, Minn. Wrapping-paper. No. 100,008; Sept. 29; Gaz. vol. 206; p. 1433.
- Minnesota Macaroni Co., St. Paul, Minn. Macaroni, spaghetti, vermicelli, &c. No. 97,994; June 30; Gaz. vol. 203; p. 1550.
- Minnesota Macaroni Co., St. Paul, Minn. Spaghetti. No. 100,860; Oct. 27; Gaz. vol. 207; p. 1244.
- Minnesota Valley Canning Co., Le Sueur, Minn. Canned peas and corn. No. 97,634; June 16; Gaz. vol. 203; p. 920.
- Mission Brewing Company, San Diego, Cal. Beer. No. 98,801; Aug. 4; Gaz. vol. 205; p. 299.
- Mississippi Packing Company Incorporated, Natchez, Miss. Lard and smoked meats. No. 100,857; Oct. 27; Gaz. vol. 207; p. 1244.
- Missoula Mercantile Company, Missoula, Mont. Suits and overcoats for men and boys. No. 100,585; Oct. 20; Gaz. vol. 207; p. 929.
- Mitchell and Bro., Samuel, New York, N. Y. Certain named clothing for ladies, children, misses, and infants. No. 95,335; Feb. 10; Gaz. vol. 199; p. 612.
- Mitchell & Dillon Coal Co., Chicago, Ill. Coal. No. 101,309; Nov. 24; Gaz. vol. 208; p. 1352.
- Mitchell, Guy K., Baltimore, Md. Electrically-operated elevators and dumb-waiters, electric motors, &c. No. 100,009; Sept. 29; Gaz. vol. 206; p. 1433.
- Mitchell, Harry R., Seattle, Wash. Bench hooks and clamps, wrenches. No. 100,861; Oct. 27; Gaz. vol. 207; p. 1244.
- Mitchell, Jos. G., New York, N. Y. Pictures, prints, paintings, &c. No. 101,178; Nov. 17; Gaz. vol. 208; p. 980.
- Mitchell-Tappen Company, New York, N. Y. Device for offset furring. No. 100,378; Oct. 20; Gaz. vol. 207; p. 923.
- Mitchell, Walter M., Philadelphia, Pa. Solution for mounting photographic prints. No. 97,875; June 23; Gaz. vol. 203; p. 1257.
- Mitchelson, Mark A., New York, N. Y. Laundry blue. No. 100,010; Sept. 29; Gaz. vol. 206; p. 1433.
- Mittell, Mary A., New York, N. Y. Taffy candy. No. 95,923; Mar. 24; Gaz. vol. 200; p. 1110.
- Mittell, Mary A., New York, N. Y. Taffy candy. No. 97,068; May 19; Gaz. vol. 202; p. 946.
- Model Kitchen Equipment Company, Chicago, Ill. Metal match-receptacles. No. 100,379; Oct. 20; Gaz. vol. 207; p. 923.
- Model Mill Company, Johnson City, Tenn. Self-rising wheat-flour. No. 99,613; Sept. 8; Gaz. vol. 206; p. 585.
- Model Mill Company, Johnson City, Tenn. Wheat-flour. No. 100,137; Oct. 6; Gaz. vol. 207; p. 295.
- Model Mill Company, Johnson City, Tenn. Ready-mixed self-rising wheat-flour. No. 101,078; Nov. 10; Gaz. vol. 208; p. 652.
- Modern Flour Mills, Macon, Ga. Self-rising wheat-flour. No. 101,523; Dec. 22; Gaz. vol. 209; p. 1313.
- Modiano, Saul D., Trieste, Austria-Hungary. Cigarette-paper. No. 97,069; May 19; Gaz. vol. 202; p. 946.
- Mohawk Condensed Milk Co., Rochester, N. Y. Condensed milk. No. 96,030; Mar. 31; Gaz. vol. 200; p. 1387.
- Mohawk Condensed Milk Co., Rochester, N. Y. Condensed milk. No. 97,716; June 16; Gaz. vol. 203; p. 922.
- Mohawk Valley Cap Factory, Utica, N. Y. Caps and sweaters. No. 97,070; May 19; Gaz. vol. 202; p. 946.
- Molassine Company of America, Boston, Mass. Dog-biscuit. Nos. 96,817-18; May 5; Gaz. vol. 202; p. 310.
- Mollen, Thompson & James Company, The, Cleveland, Ohio. Canned corn. No. 100,586; Oct. 20; Gaz. vol. 207; p. 929.
- Monarch Motor Car Company, Detroit, Mich. Automobiles. No. 100,380; Oct. 20; Gaz. vol. 207; p. 923.
- Monarch Refillable Fuse Co., The, Buffalo, N. Y. Electrical fuses. No. 97,261; May 26; Gaz. vol. 202; p. 1255.
- Monin, Maurice, Paris, France. Rouge, face and toilet powders. No. 95,551; Feb. 24; Gaz. vol. 199; p. 1240.
- Monin, Maurice, Paris, France. Rouge. Nos. 96,981-2; May 12; Gaz. vol. 202; p. 628.
- Monnig Dry Goods Co., Fort Worth, Tex. Men's garments and men's, women's, and children's hosiery. No. 97,717; June 16; Gaz. vol. 203; p. 922.
- Monnig Dry Goods Co., Fort Worth, Tex. Cotton, silk, and woolen piece goods. No. 97,718; June 16; Gaz. vol. 203; p. 922.
- Monolithic Silo & Construction Company, Wilmington, Del., and Chicago, Ill. Molds and mold-clamps, scaffolds, hoists, and clamps. No. 95,776; Mar. 10; Gaz. vol. 200; p. 578.
- Monon Coal Company, Chicago, Ill. Coal and particularly washed coal. No. 95,336; Feb. 10; Gaz. vol. 199; p. 612.
- Monongahela Tube Company, Pittsburgh, Pa. Certain tubes, pipes, tubing, and casings of wrought-iron. No. 96,031; Mar. 31; Gaz. vol. 200; p. 1387.
- Monopol Import Export Union, Inc., New York, N. Y. Certain named foods. No. 99,896; Sept. 22; Gaz. vol. 206; p. 1158.
- Monroe Pharmacal Company, Chicago, Ill. Antiseptic preparations. No. 100,011; Sept. 29; Gaz. vol. 206; p. 1433.
- Montag Brothers, Atlanta, Ga. Writing tablets and paper, envelopes, &c. No. 99,483; Sept. 1; Gaz. vol. 206; p. 309.
- Montague, Wallace R., La Crosse, Wis. Candy. No. 100,381; Oct. 20; Gaz. vol. 207; p. 923.
- Montebello & Co., Alfred de, Mareuil-sur-Ay, France. Champagne-wine. No. 95,839; Mar. 17; Gaz. vol. 200; p. 853.
- Montgomerie, Stobo & Co., Glasgow, Scotland. Dry-cleaning soap. No. 99,897; Sept. 22; Gaz. vol. 206; p. 1158.
- Montgomery, Mason O., Terre Haute, Ind. Cough-drops. No. 97,495; June 9; Gaz. vol. 203; p. 596.
- Montgomery-Washburn Company, Saugerties, N. Y. Certain named horse equipments. No. 95,552; Feb. 24; Gaz. vol. 199; p. 1240.

- Moody & Bobb, New Orleans, La. Material used in the preparation of Babbitt-metal bearings. No. 97,876; June 23; Gaz. vol. 203; p. 1257.
- Moore & Co., Edson, Detroit, Mich. Cotton sheetings. No. 97,221; May 26; Gaz. vol. 202; p. 1253.
- Moore, Cora F., San Francisco, Cal. Canned soups. No. 96,983; May 12; Gaz. vol. 202; p. 628.
- Moore, Eady & Murcott Goode Limited, Leicester, England. Certain named clothing. No. 98,680; July 28; Gaz. vol. 204; p. 1341.
- Moore & Gibson Corporation of New York, New York, N. Y. Child's toy-watch bracelet. No. 100,382; Oct. 20; Gaz. vol. 207; p. 923.
- Moore, Henry A., Cambridge, Mass. Hair-tonic and skin-creams. No. 95,553; Feb. 24; Gaz. vol. 199; p. 1240.
- Moore & Rogers, New Albany, Miss. Cornmeal. No. 96,157; Apr. 7; Gaz. vol. 201; p. 263.
- Moore Lime Co., The, Springfield, Ohio. Lime. No. 97,549; June 9; Gaz. vol. 203; p. 598.
- Moorhead & Jardine Co., New York, N. Y. Hats, caps, bonnets, and hoods. No. 97,262; May 26; Gaz. vol. 202; p. 1255.
- Moorman, Charles L., Dayton, Ohio. Cigars. No. 101,190; Nov. 17; Gaz. vol. 208; p. 981.
- Morales Márquez, Andrés, Malaga, Spain. Brandies and liquors. No. 95,835; Mar. 17; Gaz. vol. 200; p. 853.
- Moran, Joseph H., Woonsocket, R. I. Candy. No. 99,333; Aug. 25; Gaz. vol. 205; p. 1319.
- Moretti-Harrah Marble Company, Sylacauga, Ala. Rough quarry blocks, slabs, and marble. No. 97,164; May 19; Gaz. vol. 202; p. 949.
- Morg, Richard J., New York, N. Y. Preparation for treatment of diseases of the teeth and mouth. No. 100,588; Oct. 20; Gaz. vol. 207; p. 929.
- Morgan, Bernard, Newport, R. I. Metal-polish. Nos. 100,589-90; Oct. 20; Gaz. vol. 207; p. 929.
- Morgan, Gold S., Greenwood, Miss. Oil for the hair and head. No. 99,397; Aug. 25; Gaz. vol. 205; p. 1321.
- Morgan, James V., Springfield, Mo. Remedy for grip, colds, headache, &c. No. 101,310; Nov. 24; Gaz. vol. 208; p. 1352.
- Morgan, William D., Hartford, Conn. Wallets. No. 98,070; June 30; Gaz. vol. 203; p. 1553.
- Morley Button Manufacturing Company, Portsmouth, N. H. Buttons. No. 97,719; June 16; Gaz. vol. 203; p. 922.
- Morny Freres Limited, London, England. Perfumery, toilet waters and powders, &c. No. 99,484; Sept. 1; Gaz. vol. 206; p. 309.
- Morny Freres Ltd., London, England. Aromatic salts, toilet waters, bath, sachet, and dusting powders, lotions, dentrifices, &c. No. 99,485; Sept. 1; Gaz. vol. 206; p. 309.
- Morrill, Roland, Benton Harbor, Mich. Cantaloups or muskmelons. No. 101,487; Dec. 15; Gaz. vol. 209; p. 1050.
- Morris & Bendien, New York, N. Y. Motto-cards. No. 97,550; June 9; Gaz. vol. 203; p. 598.
- Morris, Mann & Reilly, Chicago, Ill. Jewelry. No. 97,071; May 19; Gaz. vol. 202; p. 946.
- Morris, Mann & Reilly, Chicago, Ill. Ladies' hand-bags. No. 98,802; Aug. 4; Gaz. vol. 205; p. 299.
- Morris Metallic Packing Company, Philadelphia, Pa. Metallic rod-packings. No. 100,862; Oct. 27; Gaz. vol. 207; p. 1244.
- Morrow Chemical Company, Platteville, Wis. Remedy for removing superfluous hair. No. 95,840; Mar. 17; Gaz. vol. 200; p. 853.
- Morrow Chemical Company, Platteville, Wis. Stimulant for nervous exhaustion and general debility. No. 96,445; Apr. 21; Gaz. vol. 201; p. 896.
- Morton, John R., Stockton, Cal. Ointments. No. 97,072; May 19; Gaz. vol. 202; p. 946.
- Mortorano, Angelo, Chicago, Ill. Shoe-blackings. No. 95,126; Feb. 3; Gaz. vol. 199; p. 299.
- Mosca, Frank, New York, N. Y. Olive-oil and macaroni. No. 97,995; June 30; Gaz. vol. 203; p. 1550.
- Mose H. Land Milling Company, Marshall, Mo. Self-rising flour. No. 99,757; Sept. 15; Gaz. vol. 206; p. 871.
- Mosel-Johnson Co., The, Steubenville, Ohio. Certain named foods. No. 96,158; Apr. 7; Gaz. vol. 201; p. 263.
- Moseley & Motley Milling Co., Rochester, N. Y. Mixed feed and bran. No. 101,524; Dec. 22; Gaz. vol. 209; p. 1313.
- Mosier Fruit Growers Association, Mosier, Oreg. Fresh fruits. No. 99,059; Aug. 11; Gaz. vol. 205; p. 659.
- Mosso, Bessie L., Chicago, Ill. Tempering compound. No. 100,591; Oct. 20; Gaz. vol. 207; p. 929.
- Mother's Macaroni Company, Minneapolis, Minn. Macaroni, spaghetti, and vermicelli. No. 95,459; Feb. 17; Gaz. vol. 199; p. 935.
- Motor and Gear Improvement Company, Wilmington, Del., and New York, N. Y. Transmission-gearing. No. 95,648; Mar. 3; Gaz. vol. 200; p. 274.
- Motor-Tonic Company, Oklahoma, Okla. Vitalizing compound to be added to the gasoline used in internal-combustion engines. No. 98,071; June 30; Gaz. vol. 203; p. 1553.
- Motorcycle Equipment Co., Hammondsport, N. Y. Certain named machinery and parts thereof and tools. No. 96,710; Apr. 28; Gaz. vol. 201; p. 1215.
- Moulié, Eugene, Jacksonville, Fla. Perfumes and sachet-powder. No. 100,013; Sept. 29; Gaz. vol. 206; p. 1433.
- Moulton Co., John T., Augusta, Me. Hair-tonic and liniment. No. 95,460; Feb. 17; Gaz. vol. 199; p. 935.
- Moulton, William C., Millbury, Mass. Medicinal tablets. No. 96,032; Mar. 31; Gaz. vol. 200; p. 1387.
- Mount Barton Chemical Co., Meridian, Miss. Liniment and antiseptic. No. 98,176; July 7; Gaz. vol. 204; p. 311.
- Mount Vernon Company—Silversmiths, Inc., Mount Vernon, N. Y. Certain named flat, table, hollow, and toilet ware made of or plated with precious metals. No. 98,960; Aug. 11; Gaz. vol. 205; p. 656.
- Mowbray & Robinson Co., The, Cincinnati, Ohio. Hardwood lumber. No. 95,259; Feb. 3; Gaz. vol. 199; p. 303.
- Mt. Clemens Mineral Springs Water Co., Mount Clemens, Mich. Mineral water. No. 97,264; May 26; Gaz. vol. 202; p. 1255.
- Mt. Holyoke Tissue Mills, Holyoke, Mass. Toilet-paper. No. 100,014; Sept. 29; Gaz. vol. 206; p. 1433.
- Mt. Pleasant Fertilizer Co., Inc., Mount Pleasant, Tenn. Special plant-fertilizer. No. 98,072; June 30; Gaz. vol. 203; p. 1553.
- Mueller Chemical Company, Berkeley, Cal. Antiseptic and prophylactic liquids for external and internal use. No. 101,191; Nov. 17; Gaz. vol. 208; p. 981.
- Mueller & Haines Player Piano Company, Chicago, Ill. Pianos. No. 101,406; Dec. 8; Gaz. vol. 209; p. 680.
- Mueller, John E., Salt Lake City, Utah. Bread. No. 101,079; Nov. 10; Gaz. vol. 208; p. 652.
- Mueller, Otto E., St. Louis, Mo. Carbonated water. No. 97,435; June 2; Gaz. vol. 203; p. 301.
- Mulconroy Company, Philadelphia, Pa. Flexible-armor hose, asbestos packing, and certain named rubber goods. No. 96,033; Mar. 31; Gaz. vol. 200; p. 1387.
- Mulconroy Company, Philadelphia, Pa. Certain named belt-hooks, hose-coverings, couplings, &c. No. 97,776; June 16; Gaz. vol. 203; p. 924.
- Mulford, William B., New York, N. Y. Candy. No. 100,218; Oct. 13; Gaz. vol. 207; p. 605.
- Mülhens & Kropff, New York, N. Y. Glycerin toilet soap. No. 98,803; Aug. 4; Gaz. vol. 205; p. 299.
- Mullen-Blackledge-Nellis Co., Brazil, Ind., and Effingham, Ill. Certain named foods. No. 96,596; Apr. 21; Gaz. vol. 201; p. 901.
- Mullins, Henry A., New York, N. Y. Preparation for the treatment of chronic constipation. No. 95,841; Mar. 17; Gaz. vol. 200; p. 853.
- Multi Refillable Fuse Company, Chicago, Ill. Certain named electrical supplies. No. 101,311; Nov. 24; Gaz. vol. 208; p. 1352.
- Multiplex Display Fixture Company, St. Louis, Mo. Periodical publication. No. 97,551; June 9; Gaz. vol. 203; p. 598.
- Mumm & Co., G. H., Rheims, France. Champagne and other sparkling wines. Nos. 97,345-6; June 2; Gaz. vol. 203; p. 298.
- Mumm & Co., G. H., Rheims, France. Champagne and other sparkling wines. No. 97,877; June 23; Gaz. vol. 203; p. 1257.
- Mundlos & Co., H., Magdeburg, Germany. Sewing-machines and parts thereof. No. 100,015; Sept. 29; Gaz. vol. 206; p. 1433.
- Mundlos & Co., Nähmaschinen-Fabrik, H., Magdeburg, Germany. Sewing-machines and parts thereof. No. 97,165; May 19; Gaz. vol. 202; p. 949.
- Munk, Betty, New York, N. Y. Face-cream. No. 96,446; Apr. 21; Gaz. vol. 201; p. 896.
- Munroe Felt & Paper Company, The, Boston, Mass. Writing, printing, wrapping, and packing paper. No. 95,337; Feb. 10; Gaz. vol. 199; p. 612.
- Munsell, Warren P., Princeton Junction, N. J. Certain named foods. No. 101,407; Dec. 8; Gaz. vol. 209; p. 680.
- Munson Bros. Co., Utica, N. Y. Bur-mills and attrition-mills for grinding corn and other cereals. No. 96,711; Apr. 28; Gaz. vol. 201; p. 1215.
- Munyon, James M., Philadelphia, Pa. Enema to relieve constipation. No. 100,383; Oct. 20; Gaz. vol. 207; p. 923.
- Munyon, James M., Jr., Philadelphia, Pa., and New York, N. Y. Preservative of rubber products. No. 99,060; Aug. 11; Gaz. vol. 205; p. 659.
- Murine Eye Remedy Company, The, Chicago, Ill. Laxative. No. 97,720; June 16; Gaz. vol. 203; p. 923.
- Murphey, Abraham D., Cincinnati, Ohio. Toilet lotion for preventing excessive perspiration. No. 96,159; Apr. 7; Gaz. vol. 201; p. 263.
- Murphy & Son, Andrew, Omaha, Nebr. Wagons, buggies, and automobiles. No. 98,073; June 30; Gaz. vol. 203; p. 1553.
- Murphy Varnish Co., Newark, N. J. Varnish. No. 101,472; Dec. 15; Gaz. vol. 209; p. 1050.
- Murray, James P., Kansas City, Kans. Bread. No. 99,232; Aug. 25; Gaz. vol. 205; p. 1316.
- Murray, John A., Brooklyn, N. Y. Carbureters, vaporizers or mixers, pump suction connections, &c. No. 95,338; Feb. 10; Gaz. vol. 199; p. 612.

Alphabetical list of registrants of trade-marks—Continued.

- Musicians Supply Company, Boston, Mass. Certain named musical instruments and strings. No. 95,462; Feb. 17; Gaz. vol. 199; p. 935.
- Musicians Supply Company, Boston, Mass. Musical instruments and supplies for same. No. 95,842; Mar. 17; Gaz. vol. 200; p. 853.
- Mutchie, Theodore F., Portland, Oreg. Liquid abrasive for producing a dull finish on any polished surface. No. 96,712; Apr. 28; Gaz. vol. 201; p. 1215.
- Myers, Herman C., New York, N. Y. Wine. No. 97,552; June 9; Gaz. vol. 203; p. 598.
- Myers, Hubert A., Toledo, Ohio. Foot-powder. No. 97,777; June 16; Gaz. vol. 203; p. 924.
- Myers, Levi B., Altoona, Pa. Remedy for piles. No. 100,592; Oct. 20; Gaz. vol. 207; p. 929.
- Myers Manufacturing Company, Los Angeles, Cal. Ladies' combined shirt-waist and bloomer gymnasium and athletic suits. No. 96,317; Apr. 14; Gaz. vol. 201; p. 566.
- Myers & Sons, Geo. S., Honesdale, Pa. Preparation for the external treatment of pneumonia or inflammation of the lungs. No. 95,463; Feb. 17; Gaz. vol. 199; p. 935.
- Myers, William M., Hannibal, Mo. Preparation for the treatment of certain named ailments. No. 95,260; Feb. 3; Gaz. vol. 199; p. 303.
- N. K. Fairbank Company, The, Chicago, Ill. Washing-powders. No. 96,657; Apr. 28; Gaz. vol. 201; p. 1214.
- N. K. Fairbank Company, The, Chicago, Ill. Edible fats and oils. No. 98,376; July 14; Gaz. vol. 204; p. 669.
- N. K. Fairbank Company, The, Chicago, Ill. Cooking compound. No. 101,276; Nov. 24; Gaz. vol. 208; p. 1351.
- N. O. Nelson Manufacturing Company, St. Louis, Mo. Bath-tubs, lavatories, sinks, &c. No. 96,320; Apr. 14; Gaz. vol. 201; p. 566.
- N. Y. Disinfecting & Exterminating Co., Forst & Mendel, New York, N. Y. Germicide, vermin-exterminator, and disinfectant. No. 96,173; Apr. 7; Gaz. vol. 201; p. 263.
- N. Y. International Chemical Co. Inc., New York, N. Y. Ointments. No. 94,823; Jan. 6; Gaz. vol. 198; p. 235.
- Naamlooze Vennootschap Koninklijke Pharmaceutische Fabriek voorheen Brocades & Steehman, Meppel, Netherlands. Medicine for rheumatism, neuralgia, headache, &c. No. 101,312; Nov. 24; Gaz. vol. 208; p. 1352.
- Naamlooze Vennootschap Maatschappij tot Voortzetting der Zaken Gedreven onder den Naam Klaas Tilly, Haarlem, Netherlands. Haarlem oil, a medicinal oil. No. 98,961; Aug. 11; Gaz. vol. 205; p. 656.
- Nagle, Peter J., Rochester, N. Y. Chewing-gum. No. 96,160; Apr. 7; Gaz. vol. 201; p. 263.
- Nährmittelfabrik München Gesellschaft mit beschr. Haftung, Pasing, near Munich, Germany. Food for children. No. 96,447; Apr. 21; Gaz. vol. 201; p. 897.
- Naperville Lounge Company, Naperville, Ill. Couches. No. 96,713; Apr. 28; Gaz. vol. 201; p. 1215.
- Narragansett Machine Co., Pawtucket, R. I. Drill-chucks. No. 95,843; Mar. 17; Gaz. vol. 200; p. 853.
- Nashua Card Gummed & Coated Paper Company, Nashua, N. H. Paper wrappers for food products. No. 100,219; Oct. 13; Gaz. vol. 207; p. 605.
- Nashua Card Gummed & Coated Paper Company, Nashua, N. H. Gummed paper. No. 101,105; Nov. 10; Gaz. vol. 208; p. 653.
- Nashville Roller Mills, Nashville, Tenn. Wheat-flour. No. 100,593; Oct. 20; Gaz. vol. 207; p. 929.
- Nashville Roller Mills, Nashville, Tenn. Wheat-flour. Nos. 100,719-21; Oct. 20; Gaz. vol. 207; p. 933.
- Nashville Roller Mills, Nashville, Tenn. Wheat-flour. Nos. 100,864-5; Oct. 27; Gaz. vol. 207; p. 1244.
- Nasworthy, John W., Jacksonville, Fla. Laxative and tonic preparations for the stomach, liver, and bowels. No. 98,074; June 30; Gaz. vol. 203; p. 1553.
- Nathan Manufacturing Company, New York, N. Y. Injectors, lubricators, boiler-checks, &c. No. 101,313; Nov. 24; Gaz. vol. 208; p. 1352.
- National-Acme Manufacturing Company, The, Cleveland, Ohio. Automatic multiple-spindle screw-machines. No. 96,318; Apr. 14; Gaz. vol. 201; p. 566.
- National Art Publishing Co., Elmira, N. Y. Certain prints and publications. No. 97,436; June 2; Gaz. vol. 203; p. 301.
- National Bed Spring Co., Chicago, Ill. Bed-springs. No. 100,384; Oct. 20; Gaz. vol. 207; p. 923.
- National Belting Company. (See Caird, Robert A., assignor.)
- National Belting Company, The, Elyria, Ohio. Belts and belting. No. 96,819; May 5; Gaz. vol. 202; p. 310.
- National Binding Machine Company, New York, N. Y. Gummed paper strips. No. 101,106; Nov. 10; Gaz. vol. 208; p. 653.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 95,226-8; Feb. 3; Gaz. vol. 199; p. 302.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 95,713; Mar. 3; Gaz. vol. 200; p. 276.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 95,924-31; Mar. 24; Gaz. vol. 200; p. 1111.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 96,161-72; Apr. 7; Gaz. vol. 201; p. 263.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 96,714; Apr. 28; Gaz. vol. 201; p. 1216.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 96,820; May 5; Gaz. vol. 202; p. 310.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 97,166; May 19; Gaz. vol. 202; p. 949.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 97,636; June 16; Gaz. vol. 203; p. 920.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 98,177-82; July 7; Gaz. vol. 204; p. 311.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Candy. No. 98,183; July 7; Gaz. vol. 204; p. 311.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 98,310; July 7; Gaz. vol. 204; p. 315.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 98,883; Aug. 4; Gaz. vol. 205; p. 301.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit, sugar wafers, and candy. No. 98,884; Aug. 4; Gaz. vol. 205; p. 301.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 99,334-6; Aug. 25; Gaz. vol. 205; p. 1319.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 99,614-17; Sept. 8; Gaz. vol. 206; p. 585.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 100,866-70; Oct. 27; Gaz. vol. 207; pp. 1244-5.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 100,989; Nov. 3; Gaz. vol. 208; p. 334.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit and sugar wafers. No. 100,990; Nov. 3; Gaz. vol. 208; p. 334.
- National Callophone Co., The, San Francisco, Cal. Device having for its object a loud-speaking telephone system. No. 95,844; Mar. 17; Gaz. vol. 200; p. 853.
- National Candy Company, Jersey City, N. J., and St. Louis, Mo. Candies. No. 99,772; Sept. 15; Gaz. vol. 206; p. 871.
- National Carbon Company, Cleveland, Ohio. Dry cells. No. 95,006; Jan. 20; Gaz. vol. 198; p. 700.
- National Carbon Company, Cleveland, Ohio. Electric batteries. No. 99,166; Aug. 18; Gaz. vol. 205; p. 1017.
- National Carbon Company, Cleveland, Ohio. Electrical batteries. No. 100,016; Sept. 29; Gaz. vol. 206; p. 1433.
- National Carbon Company, Cleveland, Ohio. Electric batteries. Nos. 100,017-18; Sept. 29; Gaz. vol. 206; p. 1433.
- National Carbon Company, Cleveland, Ohio. Electric batteries, flash-lights, electrodes, &c. No. 100,139; Oct. 6; Gaz. vol. 207; p. 295.
- National Carbon Company, Cleveland, Ohio. Electric batteries. No. 100,871; Oct. 27; Gaz. vol. 207; p. 1245.
- National Carbon Company, Cleveland, Ohio. Electric batteries. No. 101,590; Dec. 29; Gaz. vol. 209; p. 1688.
- National Cash Register Company, Dayton, Ohio. Periodicals. No. 96,319; Apr. 14; Gaz. vol. 201; p. 566.
- National Chicle Concern, New Orleans, La. Chewing-gum. No. 97,996; June 30; Gaz. vol. 203; p. 1550.
- National Cutlery Co., Philadelphia, Pa. Shears and snips. No. 101,314; Nov. 24; Gaz. vol. 208; p. 1352.
- National Dictograph Co., New York, N. Y. Telephonic apparatus. No. 95,132; Feb. 3; Gaz. vol. 199; p. 299.
- National Druggists Manufacturing Company, The, Oak Harbor, Ohio. Certain named medicines, chemicals, and pharmaceutical preparations. No. 94,922; Jan. 13; Gaz. vol. 198; p. 491.
- National Electric Specialty Company, The, Toledo, Ohio. Lightning-arresters. No. 96,902; May 5; Gaz. vol. 202; p. 313.
- National Fire Proofing Company, Pittsburgh, Pa. Terracotta hollow building blocks and tiles. No. 99,337; Aug. 25; Gaz. vol. 205; p. 1319.
- National Fireworks Distributing Company, The, Boston, Mass. Firecrackers. No. 96,821; May 5; Gaz. vol. 202; p. 310.
- National Grave Vault Company, Galion, Ohio. Grave-vaults. No. 101,488; Dec. 15; Gaz. vol. 209; p. 1050.
- National Grocer Company, Detroit, Mich. Certain named foods. No. 101,315; Nov. 24; Gaz. vol. 208; p. 1352.
- National Gum & Mica Company, New York, N. Y. Lacquers, varnishes, paints, &c. No. 100,991; Nov. 3; Gaz. vol. 208; p. 334.
- National Laboratories Co., The, Cleveland, Ohio. Liquid polish and cleaner for floors, furniture, &c. No. 100,140; Oct. 6; Gaz. vol. 207; p. 295.
- National Malleable Castings Company, The, Cleveland, Ohio. Specially-treated steel. No. 98,885; Aug. 4; Gaz. vol. 205; p. 301.

Alphabetical list of registrants of trade-marks—Continued.

- National Metal Seal Corporation, Boston, Mass. Metal closures for containing vessels. No. 101,591; Dec. 29; Gaz. vol. 209; p. 1688.
- National Paint & Varnish Company, Cleveland, Ohio. Paints for metal surfaces. No. 98,184; July 7; Gaz. vol. 204; p. 311.
- National Papeterie Company, Springfield, Mass. Writing-paper and envelopes. No. 101,107; Nov. 10; Gaz. vol. 208; p. 653.
- National Pharmacy Co., Oakland, Cal. Face-cream. No. 95,777; Mar. 10; Gaz. vol. 200; p. 578.
- National Preserve Co., St. Louis, Mo. Table-syrups and fruit preserves. No. 97,073; May 19; Gaz. vol. 202; p. 946.
- National Screw & Tack Company, Cleveland, Ohio. Spokes and nipples for wire vehicle-wheels. No. 100,992; Nov. 3; Gaz. vol. 208; p. 334.
- National Sheet Metal Co., Peru, Ill. Sheet metals. No. 97,347; June 2; Gaz. vol. 203; p. 298.
- National Starch Co., New York, N. Y. Stock feed. No. 98,962; Aug. 11; Gaz. vol. 205; p. 656.
- Naumkeag Steam Cotton Co., Salem, Mass. Sheets and pillow-cases. No. 94,923; Jan. 13; Gaz. vol. 198; p. 491.
- National Tube Company, Pittsburgh, Pa. Metal pipes, tubes, and casings. No. 98,412; July 14; Gaz. vol. 204; p. 670.
- National Tube Company, Pittsburgh, Pa. Pipes, tubes, and casings. No. 100,993; Nov. 3; Gaz. vol. 208; p. 334.
- National Twist Drill & Tool Co., Detroit, Mich. Twist-drills, twist-drill bits, reamers, cutters, &c. No. 101,448; Dec. 15; Gaz. vol. 209; p. 1049.
- National Wafer Company, Boston, Mass. Candy wafers, lozenges, and tablets. No. 97,721; June 16; Gaz. vol. 203; p. 923.
- National Washboard Company, Chicago, Ill.; Saginaw, Mich., and Memphis, Tenn. Washboards. Nos. 99,338-50; Aug. 25; Gaz. vol. 205; pp. 1319-20.
- National Washboard Company, Chicago, Ill.; Saginaw, Mich., and Memphis, Tenn. Washboards. Nos. 100,385-6; Oct. 20; Gaz. vol. 207; p. 923.
- National Washboard Company, Chicago, Ill.; Saginaw, Mich., and Memphis, Tenn. Washboards. Nos. 100,594-9; Oct. 20; Gaz. vol. 207; p. 929.
- National Yeast Company, Cedar Rapids, Iowa. Yeast. No. 96,984; May 12; Gaz. vol. 202; p. 628.
- Nature Cereal Company, Minneapolis, Minn. Cereal meal. No. 100,220; Oct. 13; Gaz. vol. 207; p. 605.
- Nature Cereal Company, Minneapolis, Minn. Bread. No. 101,525; Dec. 22; Gaz. vol. 209; p. 1313.
- Naumann, Firm of Dr. L., Dresden-Plauen, Germany. Extract of radish for relieving indigestion. No. 98,804; Aug. 4; Gaz. vol. 205; p. 299.
- Naumkeag Steam Cotton Co., Salem, Mass. Sheets. No. 101,080; Nov. 10; Gaz. vol. 208; p. 652.
- Nave-McCord Mercantile Co., St. Joseph, Mo. Certain named foods. No. 97,167; May 19; Gaz. vol. 202; p. 949.
- Nave-McCord Mercantile Co., St. Joseph, Mo. Baking powder and soda. No. 97,348; June 2; Gaz. vol. 203; p. 298.
- Neagley, James K., Pittsburgh, Pa. Digestive ferment. No. 98,805; Aug. 4; Gaz. vol. 205; p. 299.
- Neal, Bernard B., New York, N. Y. Shovels, spades, and scoops. No. 95,133; Feb. 3; Gaz. vol. 199; p. 299.
- Neal Tablet Company, Newton, Mass. Remedy for indigestion. No. 98,548; July 21; Gaz. vol. 204; p. 1008.
- Neely, Harwell & Co., Nashville, Tenn. Work-shirts, overalls, textile jackets and jumpers. No. 95,932; Mar. 24; Gaz. vol. 200; p. 1111.
- Neenah Shoe Co., Neenah, Wis. Boys' and men's leather boots and shoes. No. 96,903; May 5; Gaz. vol. 202; p. 313.
- Nelson, Baker & Co., Detroit, Mich. Vulneraries. No. 97,265; May 26; Gaz. vol. 202; p. 1255.
- Neptune Packing Co., Boothbay Harbor, Me. Smoked fish. No. 95,649; Mar. 3; Gaz. vol. 200; p. 274.
- Nesler, Charles F., Newark, N. J. Ear-rings. No. 94,822; Jan. 6; Gaz. vol. 198; p. 235.
- Neumond, K. & E., New Orleans, La. Brewers' grain. No. 96,597; Apr. 21; Gaz. vol. 201; p. 901.
- Neumond, K. & E., New Orleans, La. Brewers' grain. No. 97,637; June 16; Gaz. vol. 203; p. 920.
- Neuss, Hesslein & Co., New York, N. Y. Woven cotton plaids. No. 95,008; Jan. 20; Gaz. vol. 198; p. 700.
- Nev-A-Hone Razor Strop Company, New York, N. Y. Razor-strops and dressings. No. 99,898; Sept. 22; Gaz. vol. 206; p. 1159.
- New Castle Leather Co., New York, N. Y. White side leather in imitation of buckskin. No. 96,985; May 12; Gaz. vol. 202; p. 628.
- New England Cotton Yarn Company, New Bedford, Mass. Thread. Nos. 96,321-4; Apr. 14; Gaz. vol. 201; p. 566.
- New England Cotton Yarn Company, New Bedford, Mass. Thread. No. 96,904; May 5; Gaz. vol. 202; p. 313.
- New England Drug Company, Boston, Mass. Laxative tablets or powder. No. 99,486; Sept. 1; Gaz. vol. 206; p. 309.
- New England Envelope Company, Worcester, Mass. Envelops, writing and printing paper. No. 96,598; Apr. 21; Gaz. vol. 201; p. 901.
- New Era Manufacturing Co., St. Louis, Mo. Negligée shirts. No. 94,924; Jan. 13; Gaz. vol. 198; p. 491.
- New Fiction Publishing Company, The, New York, N. Y. Periodical magazine. No. 97,496; June 9; Gaz. vol. 203; p. 596.
- New Fiction Publishing Company, The, New York, N. Y. Monthly magazine. No. 101,192; Nov. 17; Gaz. vol. 208; p. 981.
- New Idea Spreader Co., Coldwater, Ohio. Certain named machinery and tools. No. 100,019; Sept. 29; Gaz. vol. 206; p. 1433.
- New Ideas Company, The, Newark, Ohio. Cleaning compound. No. 98,311; July 7; Gaz. vol. 204; p. 315.
- New Method Stove Company, Mansfield, Ohio. Gas-ranges, hot-plates, water-heaters, and heating-stoves. No. 97,878; June 23; Gaz. vol. 203; p. 1257.
- New York Athletic Club, New York, N. Y. Monthly publication. No. 95,134; Feb. 3; Gaz. vol. 199; p. 300.
- New York Blue Print Paper Co., New York, N. Y. Blueprint paper and cloth and certain named drawing materials. No. 98,886; Aug. 4; Gaz. vol. 205; p. 301.
- New York Dairy Demonstration Co., New York, N. Y. Milk and cream. No. 98,312; July 7; Gaz. vol. 204; p. 315.
- New York and London Drug Co., New York, N. Y., assignor to Nyal Company, Detroit, Mich. Antiseptic throat-pastils. No. 97,266; May 26; Gaz. vol. 202; p. 1255.
- New York and London Drug Co., New York, N. Y., assignor to Nyal Company, Detroit, Mich. Candies. No. 97,638; June 16; Gaz. vol. 203; p. 920.
- New York & New Jersey Lubricant Co., New York, N. Y. Lubricating-oils for gas engines and motors. No. 100,872; Oct. 27; Gaz. vol. 207; p. 1245.
- New York Pharmacal Association, The, Yonkers, N. Y. Medicines made in tablet, powder, or liquid form for certain named diseases. No. 98,549; July 21; Gaz. vol. 204; p. 1008.
- New York Quebracho Extract Co. Inc., New York, N. Y. Quebracho-wood extract. No. 100,996; Nov. 3; Gaz. vol. 208; p. 334.
- Newark Go-Cart Manufacturing Co., Newark, N. J. Baby-carriages. No. 95,933; Mar. 24; Gaz. vol. 200; p. 1111.
- Newfeld, Florence N., New York, N. Y. Canned sardines. No. 97,639; June 16; Gaz. vol. 203; p. 920.
- Newman Dress and Skirt Company, Cleveland, Ohio. Ladies' dresses and skirts. No. 100,995; Nov. 3; Gaz. vol. 208; p. 334.
- Newman, Gideon E., Mobile, Ala. Hoes. No. 98,075; June 30; Gaz. vol. 203; p. 1553.
- Newmark, John T., Chicago, Ill. Men's hats and caps. No. 95,778; Mar. 10; Gaz. vol. 200; p. 578.
- Niagara Paper Mills, Lockport, N. Y. Monthly periodical. No. 99,773; Sept. 15; Gaz. vol. 206; p. 871.
- Niagara Sprayer Company, Middleport, N. Y. Lime-sulfur solution, Bordeaux arsenate and paste, &c. No. 100,020; Sept. 29; Gaz. vol. 206; p. 1433.
- Nicholas Burke Co. Ltd., New Orleans, La. Canned vegetables, wheat-flour, spices, syrup, and flavoring extracts. No. 95,464; Feb. 17; Gaz. vol. 199; p. 935.
- Nicholson File Company, Providence, R. I. Files and rasps. No. 101,408; Dec. 8; Gaz. vol. 209; p. 680.
- Nickel Plate Stove Polish Co., Chicago, Ill. Compound for cleansing and scouring certain named materials. No. 99,899; Sept. 22; Gaz. vol. 206; p. 1159.
- Nicols, Dean & Gregg, St. Paul, Minn. Cards for book-keeping systems. No. 100,021; Sept. 29; Gaz. vol. 206; p. 1433.
- Nieman, Eva, Cincinnati, Ohio. Medicinal preparation for stimulating and developing the mammary glands. No. 98,185; July 7; Gaz. vol. 204; p. 311.
- Niemoeller, Ernest H., St. Louis, Mo. Liquid corn-remover and court-plaster. No. 98,807; Aug. 4; Gaz. vol. 205; p. 299.
- Nifong, Jefferson D., Colorado Springs, Colo. Preparations for prevention of venereal diseases. No. 99,618; Sept. 8; Gaz. vol. 206; p. 585.
- Nitedals Taendstikfabrik, Grönvold, near Christiania, Norway. Matches. No. 100,387; Oct. 20; Gaz. vol. 207; p. 923.
- Nitedals Taendstikfabrik, Grönvold, near Christiania, Norway. Matches. No. 101,601; Dec. 29; Gaz. vol. 209; p. 1688.
- Nitro-Ignitum Mfg. Co., St. Louis, Mo. Heat-producer and smoke-reducer used on coal, coke, &c. No. 99,900; Sept. 22; Gaz. vol. 206; p. 1159.
- Noble & Westbrook Manufacturing Company, East Hartford and Hartford, Conn. Marking-machines. No. 94,925; Jan. 13; Gaz. vol. 198; p. 491.
- Noe & Sons, William R., New York, N. Y. Incandescent gas-mantles. Nos. 97,553-4; June 9; Gaz. vol. 203; p. 598.
- Noilly Prat & Cie., Marseille, France. Vermuth. No. 96,993; May 12; Gaz. vol. 202; p. 629.
- Nöltig & Co. Paul E., Hamburg, Germany. Beer. No. 100,997; Nov. 3; Gaz. vol. 208; p. 334.
- Nonotuck Silk Company, Northampton, Mass. Ribbons. No. 100,388; Oct. 20; Gaz. vol. 207; p. 923.
- Nora Gon, Evelyn B., Memphis, Tenn. Cigars. No. 99,487; Sept. 1; Gaz. vol. 206; p. 309.

Alphabetical list of registrants of trade-marks—Continued.

- Nordman, Joshua J., Pittsburgh, Pa. Games. No. 99,488; Sept. 1; Gaz. vol. 206; p. 309.
- Norman Company, The, Philadelphia, Pa. Cleanser. No. 99,774; Sept. 15; Gaz. vol. 206; p. 872.
- Norman, Joseph T., Nanticoke, Pa. Hand-cleaning compound. No. 98,550; July 21; Gaz. vol. 204; p. 1008.
- Norman, Magnus, St. Paul, Minn. Motor-fuel improvers. No. 98,076; June 30; Gaz. vol. 203; p. 1553.
- Norris Incorporated, Atlanta, Ga. Chocolates, bonbons, and candies. Nos. 98,186-7; July 7; Gaz. vol. 204; p. 311.
- Norsk Hydro-elektrisk Kvaelfstoftakieselskab, Christiania and Notodden, Norway. Certain named nitrogen products. No. 100,142; Oct. 6; Gaz. vol. 207; p. 295.
- Norsk Hydro-Elektrisk Kvaelfstoftakieselskab, Christiania and Notodden, Norway. Fertilizer. No. 100,875; Oct. 27; Gaz. vol. 207; p. 1245.
- North American Mercantile Co., San Francisco, Cal. Canned crab-meat, tuna, clams, shrimps, &c. No. 97,074; May 19; Gaz. vol. 202; p. 946.
- North American Mercantile Co., San Francisco, Cal. Rice. No. 100,876; Oct. 27; Gaz. vol. 207; p. 1245.
- North American Pharmacal Co. Inc., New York, N. Y. Certain antiseptic liquid. No. 98,964; Aug. 11; Gaz. vol. 205; p. 656.
- North American Smelting Company, Inc., Philadelphia, Pa. Certain formula of Babbitt or bearing metal, brass, and white metals. No. 97,879; June 23; Gaz. vol. 203; p. 1257.
- North British Rubber Company, The, Limited, Edinburgh, Scotland. Golf-balls. No. 95,339; Feb. 10; Gaz. vol. 199; p. 612.
- North Ontario Packing Company, Los Angeles, Cal. Dried fruits and raisins. Nos. 95,934-5; Mar. 24; Gaz. vol. 200; p. 1111.
- North Ontario Packing Company, Los Angeles, Cal. Dried fruits and raisins. No. 97,640; June 16; Gaz. vol. 203; p. 920.
- Northampton Cutlery Co., Northampton, Mass. Table-knives. No. 96,532; Apr. 21; Gaz. vol. 201; p. 899.
- Northern Bag & Plate Co., Carthage, N. Y. Butter and other dishes of wood, pulp, and paper. No. 99,167; Aug. 18; Gaz. vol. 205; p. 1018.
- Northern Light Milling Co., Owatonna, Minn. Pancake-flour. No. 99,233; Aug. 25; Gaz. vol. 205; p. 1316.
- Northern Paper Mills, Green Bay, Wis. Paper towels and toilet-paper. No. 97,497; June 9; Gaz. vol. 203; p. 596.
- Northern Pickle Co., Tacoma, Wash. Pickles, pork and beans, sauer-kraut, mustard, &c. No. 95,554; Feb. 24; Gaz. vol. 199; p. 1240.
- Northern Shore Co., Duluth, Minn. Boots and shoes made of rubber and leather. No. 98,413; July 14; Gaz. vol. 204; p. 671.
- Northwest Rice Milling Co., Portland, Oreg. Rice. No. 97,641; June 16; Gaz. vol. 203; p. 920.
- Northwestern Fruit Exchange, Portland, Oreg. Fresh fruits. No. 95,650; Mar. 3; Gaz. vol. 200; p. 275.
- Northwestern Needle Company, Minneapolis, Minn. Sewing-machine needles. No. 100,143; Oct. 6; Gaz. vol. 207; p. 295.
- Northwestern Needle Company, Minneapolis, Minn. Sewing-machine needles. No. 101,000; Nov. 3; Gaz. vol. 208; p. 335.
- Norton Company, Worcester, Mass. Oilstones, whetstones, scythe-stones, rubbing-bricks, &c. No. 98,889; Aug. 4; Gaz. vol. 205; p. 301.
- Norton Company, Worcester, Mass. Refractory bricks or blocks. Nos. 100,877-8; Oct. 27; Gaz. vol. 207; p. 1245.
- Norton Company, Worcester, Mass. Heat refractory materials. Nos. 101,193-4; Nov. 17; Gaz. vol. 208; p. 981.
- Norton Corporation, Worcester, Mass. Refractory plates, tubes, muffles, crucibles, &c. Nos. 100,998-9; Nov. 3; Gaz. vol. 208; pp. 334-5.
- Norton & Curd Company, Louisville, Ky. Certain named foods. No. 100,144; Oct. 6; Gaz. vol. 207; p. 295.
- Norton, Edward R., Boston, Mass., and New York, N. Y. Coal. No. 99,234; Aug. 25; Gaz. vol. 205; p. 1316.
- Norwood Specialty Company, Federalsburg, Md. Liquid-polishes for pianos, furniture, woodwork, &c. No. 95,009; Jan. 20; Gaz. vol. 198; p. 700.
- Nottingham, Guy D., Baltimore, Md. Shoe-polish and cleaning compounds for shoes. No. 98,681; July 28; Gaz. vol. 204; p. 1341.
- Novabère, Bernard, New York, N. Y. Toilet creams, powder, perfumery, and tooth-paste. No. 96,448; Apr. 21; Gaz. vol. 201; p. 897.
- Novavita G. m. b. H., Berlin, Germany. Magnesium preparation. No. 97,997; June 30; Gaz. vol. 203; p. 1551.
- Novelty Candy Company, New York, N. Y. Candy. Nos. 97,642-3; June 16; Gaz. vol. 203; p. 920.
- Novelty Candy Company, New York, N. Y. Chocolate candies and confections. No. 97,998; June 30; Gaz. vol. 203; p. 1551.
- Novelty Candy Company, New York, N. Y. Candy. No. 98,414; July 14; Gaz. vol. 204; p. 671.
- Novelty Knitting Mills, Philadelphia, Pa. Knitted sweaters. No. 97,349; June 2; Gaz. vol. 203; p. 298.
- Novo Engine Company, Lansing, Mich. Gasolene-engines. No. 95,136; Feb. 3; Gaz. vol. 199; p. 300.
- Noyes Comb Company, Binghamton, N. Y. Toilet-combs. No. 99,352; Aug. 25; Gaz. vol. 205; p. 1320.
- Noyes Comb Company, Binghamton, N. Y. Toilet-combs. No. 99,489; Sept. 1; Gaz. vol. 206; p. 309.
- Nu Life Products Company, Titusville, Pa. Polishes for all woodwork, furniture, automobiles, &c. No. 100,022; Sept. 29; Gaz. vol. 206; p. 1433.
- Nu-Shine Mfg. Co., Arlington, N. J. Stove-polish. No. 98,551; July 21; Gaz. vol. 204; p. 1008.
- Nürnberg Abziehbilder-Fabrik Troeger & Bücking, Nürnberg, Germany. Metachromotypes. No. 101,195; Nov. 17; Gaz. vol. 208; p. 981.
- Nürnberg Metall- und Lackierwarenfabrik vormals Gebrüder Bing, Aktiengesellschaft, Nürnberg, Germany. Building material for mechanical toys. No. 101,477; Dec. 15; Gaz. vol. 209; p. 1050.
- Nurses Outfitting Association, Inc., New York, N. Y. Collars and cuffs. No. 99,115; Aug. 18; Gaz. vol. 205; p. 1016.
- Nut House, The, Seattle, Wash. Nuts and nut-meats. No. 98,552; July 21; Gaz. vol. 204; p. 1008.
- Nuway Manufacturing Co., Souderton, Pa. Soap. No. 99,775; Sept. 15; Gaz. vol. 206; p. 872.
- Nyal Company. (See New York and London Drug Co., assignor.)
- O. C. Devereux Company, Providence, R. I. Jewelry. No. 97,827; June 23; Gaz. vol. 203; p. 1255.
- O. F. Zurn Co., The, Philadelphia, Pa. Emollient for treating dyed fabrics. No. 98,131; July 7; Gaz. vol. 204; p. 309.
- O. M. Steinman, Inc., New York, N. Y. Cover-paper in sheets. No. 98,586; July 21; Gaz. vol. 204; p. 1009.
- O. S. Richards, Inc., Brooklyn, N. Y. Box-shooks. No. 100,414; Oct. 20; Gaz. vol. 207; p. 924.
- O. V. Hooker & Son, St. Johnsbury, Vt. Saw and sharpening machines. No. 101,390; Dec. 8; Gaz. vol. 209; p. 680.
- O'Brien, Charles T., Anderson, Ind. Carbonated soda-fountain beverage and syrup for manufacturing same. No. 98,314; July 7; Gaz. vol. 204; p. 315.
- O'Brien Varnish Co., South Bend, Ind. White enamel paint. No. 98,078; June 30; Gaz. vol. 203; p. 1553.
- O'Callaghan & Fedden, New York, N. Y. Stockings. Nos. 95,137-8; Feb. 3; Gaz. vol. 199; p. 300.
- O'Dell, John C., Rome, Ga. Non-alcoholic carbonated beverage and syrup for making same. No. 99,353; Aug. 25; Gaz. vol. 205; p. 1320.
- O'Dell, John C., Rome, Ga. Non-alcoholic carbonated flavored beverage and syrup for making same. No. 100,221; Oct. 13; Gaz. vol. 207; p. 606.
- O'Donnell Shoe Co., St. Paul, Minn. Leather shoes. No. 96,325; Apr. 14; Gaz. vol. 201; p. 566.
- O'Halloran & Bishop, Inc., Columbus, Ga. Non-intoxicating carbonated beverage and syrup. No. 99,490; Sept. 1; Gaz. vol. 206; p. 309.
- O'Kelly & Co., E. A., London, England. Dates. No. 96,600; Apr. 21; Gaz. vol. 201; p. 901.
- O'Mahoney, Aurelia S., Boston, Mass. Hair-grower and dandruff-remover. No. 98,554; July 21; Gaz. vol. 204; p. 1008.
- O'Neil, Timothy L., La Salle, Ill. Cultivators and grain-cultivators. No. 98,555; July 21; Gaz. vol. 204; p. 1008.
- O'Neil, Timothy L., La Salle, Ill. Twine. No. 99,168; Aug. 18; Gaz. vol. 205; p. 1018.
- O'Neil, William P., New York, N. Y. Garters. No. 95,555; Feb. 24; Gaz. vol. 199; p. 1240.
- O'Neil, William P., New York, N. Y., assignor to Powell's. Candies. No. 98,000; June 30; Gaz. vol. 203; p. 1551.
- O-White-O Cleaner Company, Akron, Ohio. Powder preparation for cleaning white shoes. No. 95,652; Mar. 3; Gaz. vol. 200; p. 275.
- Oakglens Apple Growers' Association, Oakglens, Cal. Fresh apples. No. 100,601; Oct. 20; Gaz. vol. 207; p. 930.
- Oakland Vinegar & Pickle Co., Saginaw, Mich. Cider vinegar. No. 98,313; July 7; Gaz. vol. 204; p. 315.
- Oakland Vinegar & Pickle Company, Saginaw, Mich. Sugar vinegar. No. 101,081; Nov. 10; Gaz. vol. 208; p. 652.
- Oakville Company, Waterbury, Conn. Safety-pins. No. 99,619; Sept. 8; Gaz. vol. 206; p. 585.
- Obermeyer & Liebmann, New York and Brooklyn, N. Y. Beer. No. 101,409; Dec. 8; Gaz. vol. 209; p. 680.
- Ocoee Citrus Growers' Association, Ocoee, Fla. Oranges and grape-fruit. No. 94,926; Jan. 13; Gaz. vol. 198; p. 491.
- Oefele Synthesis Co., New York, N. Y. Fat-digesting pill. No. 95,261; Feb. 3; Gaz. vol. 199; p. 303.
- Oesterreichische Glashütten Gesellschaft, Aussig-on-the-Elbe, Austria-Hungary. Hollow glassware and certain named articles made of glass. Nos. 95,342-4; Feb. 10; Gaz. vol. 199; p. 613.
- Ohio Brandy Distilling Company, The, Cleveland, Ohio. Juniper brandy. No. 100,602; Oct. 20; Gaz. vol. 207; p. 930.
- Ohio Confection Company, The, Cleveland, Ohio. Candy. No. 98,188; July 7; Gaz. vol. 204; p. 311.

- Ohio Dairy Company, The, Toledo, Ohio. Ice-cream. No. 95,936; Mar. 24; Gaz. vol. 200; p. 1111.
- Ohio Dairy Company, The, Toledo, Ohio. Evaporated and condensed milk. Nos. 96,449-50; Apr. 21; Gaz. vol. 201; p. 897.
- Ohio Suspender Company, The, Mansfield, Ohio. Garters. No. 96,824; May 5; Gaz. vol. 202; p. 310.
- Oilio Company, New York, N. Y. Lubricating oils and greases. No. 95,340; Feb. 10; Gaz. vol. 199; p. 612.
- Okadee Company, The, Chicago, Ill. Metallic valves and hose-couplings. No. 98,189; July 7; Gaz. vol. 204; p. 311.
- Oklahoma City Mill & Elevator Co., Oklahoma, Okla. Wheat-flour. No. 101,083; Nov. 10; Gaz. vol. 208; p. 652.
- Oklahoma Mill Co., Kingfisher, Okla. Wheat-flour. No. 101,082; Nov. 10; Gaz. vol. 208; p. 652.
- Oko Company, Wilmington, Del., and St. Louis, Mo. Food and food ingredient. No. 98,890; Aug. 4; Gaz. vol. 205; p. 301.
- Old Dominion Peanut Corporation, Norfolk, Va. Salted peanuts. No. 97,168; May 19; Gaz. vol. 202; p. 949.
- Old Dominion Peanut Corporation, Norfolk, Va. Peanut-butter and peanut products. No. 97,999; June 30; Gaz. vol. 203; p. 1551.
- Old Drury Cigarette Co., Inc., New York, N. Y. Cigarettes. No. 99,491; Sept. 1; Gaz. vol. 206; p. 309.
- Old Roman Solder Co., New York, N. Y. Adhesive material resembling solder. No. 98,190; July 7; Gaz. vol. 204; p. 311.
- Old Vincennes Preserving Company, The, Vincennes, Ind. Meat-sauce. No. 98,553; July 21; Gaz. vol. 204; p. 1008.
- Old Woolen Mills Co., The, Chicago, Ill. Men's clothing. No. 99,017; Aug. 11; Gaz. vol. 205; p. 658.
- Oldham, Leroy, Baltimore, Md. Preparation for the treatment of the hair and scalp. No. 96,533; Apr. 21; Gaz. vol. 201; p. 899.
- Oleum Products Company, Scranton, Pa. Metal-polish. No. 98,682; July 28; Gaz. vol. 204; p. 1341.
- Olin, Abraham S., assignor to Three Kays Carbon Compound Company, St. Louis, Mo. Compounds for removing deposits of carbon, &c. No. 97,498; June 9; Gaz. vol. 203; p. 596.
- Oliver Typewriter Company, The, Chicago, Ill. Type-writing machines. Nos. 101,410-11; Dec. 8; Gaz. vol. 209; p. 680.
- Oliver's Sporting Goods House, Philadelphia, Pa. Balls. No. 97,267; May 26; Gaz. vol. 202; p. 1255.
- Olo Voil Manufacturing Co., Kansas City, Mo. Hair-tonic. No. 96,988; May 12; Gaz. vol. 202; p. 628.
- Olsen & Kleppe, Carl O., Stavanger, Norway. Canned fish. No. 96,451; Apr. 21; Gaz. vol. 201; p. 897.
- Onalaska Pickle & Canning Co., Onalaska, Wis. Canned vegetables. No. 95,937; Mar. 24; Gaz. vol. 200; p. 1111.
- One Piece Bifocal Lens Company, Indianapolis, Ind. Lenses. No. 101,001; Nov. 3; Gaz. vol. 208; p. 335.
- Oneida Community, Limited, Oneida, N. Y. Mouse-traps. No. 98,809; Aug. 4; Gaz. vol. 205; p. 299.
- Oneida Community, Limited, Oneida, N. Y. Animal-traps. No. 101,412; Dec. 8; Gaz. vol. 209; p. 681.
- Oostburg Canning Company, Oostburg, Wis. Canned vegetables. No. 96,174; Apr. 7; Gaz. vol. 201; p. 263.
- Opera, Inc., The, New York, N. Y. Weekly publication. No. 95,651; Mar. 3; Gaz. vol. 200; p. 275.
- Operators' Piano Co., Chicago, Ill. Electric player-pianos. No. 99,901; Sept. 22; Gaz. vol. 206; p. 1159.
- Oppenheimer Casing Co., Chicago, Ill. Sausage-casings of various kinds. No. 101,196; Nov. 17; Gaz. vol. 208; p. 981.
- Orange Blossom, Inc., San Francisco, Cal. Candy. No. 98,001; June 30; Gaz. vol. 203; p. 1551.
- Orange Growers Cash Association, Redlands, Cal. Fresh oranges, lemons, limes, and grape-fruit. No. 99,620; Sept. 8; Gaz. vol. 206; p. 585.
- Oratone Company, The, Buffalo, N. Y. Tooth-polisher. No. 101,084; Nov. 10; Gaz. vol. 208; p. 652.
- Oregon Brass Works, Portland, Oreg. Bearing-bronze. No. 101,316; Nov. 24; Gaz. vol. 208; p. 1352.
- Oriental Manicure Specialty Co., New York, N. Y. Nail polish and bleach and cuticle and stain remover. No. 96,452; Apr. 21; Gaz. vol. 201; p. 897.
- Original Puncturefix Company, The, Marion, Ohio. Filling composition for pneumatic tires. No. 97,268; May 26; Gaz. vol. 202; p. 1255.
- Orinda Stove & Manufacturing Co., Quincy, Ill. Heating-stoves. No. 97,644; June 16; Gaz. vol. 203; p. 920.
- Orinoka Pharmaceutical Company, Inc., New York, N. Y. Hair tonics and dyes. No. 100,389; Oct. 20; Gaz. vol. 207; p. 923.
- Orion Pharmacal Company, Chicago, Ill. Medicinal preparations for treatment of certain named diseases. No. 97,778; June 16; Gaz. vol. 203; p. 924.
- Orleans Cider & Vinegar Co., Ltd. New Orleans, La. Imitation apple-cider, artificial colors and flavors for beverages, &c. No. 101,002; Nov. 3; Gaz. vol. 208; p. 335.
- Oro Chemical Company, The, Joplin, Mo. Medicine for treatment of diarrhea. No. 95,466; Feb. 17; Gaz. vol. 199; p. 935.
- Orr, T. L., Occidental, Cal. Wines. No. 95,139; Feb. 3; Gaz. vol. 199; p. 300.
- Osgood & Silverblatt, Pittsburgh, Pa. Cotton and wool dress goods. No. 96,326; Apr. 14; Gaz. vol. 201; p. 566.
- Oshinsky & Valentine, New York, N. Y. Shirts, night-shirts, and pajamas. No. 100,603; Oct. 20; Gaz. vol. 207; p. 930.
- Oslason, J., Fall River, Mass. Mattresses, springs, pillows, and couches. No. 95,341; Feb. 10; Gaz. vol. 199; p. 612.
- Otis & Company, Cleveland, Ohio. Monthly periodical publications. No. 96,034; Mar. 31; Gaz. vol. 200; p. 1387.
- Otto, Albert T., New York, N. Y. Preparation offensive to rapacious birds and animals. No. 99,492; Sept. 1; Gaz. vol. 206; p. 309.
- Otto Higel Co., The, Toronto, Ontario, Canada. Pneumatic piano-players. No. 99,880; Sept. 22; Gaz. vol. 206; p. 1158.
- Otto L. Kuehn Co., Milwaukee, Wis. Rice. No. 99,225; Aug. 25; Gaz. vol. 205; p. 1316.
- Otto L. Kuehn Co., Milwaukee, Wis. Canned sardines. Nos. 100,843-7; Oct. 27; Gaz. vol. 207; p. 1244.
- Outing Shoe Co., Boston, Mass. Shoes and slippers. No. 99,621; Sept. 8; Gaz. vol. 206; p. 585.
- Outing Shoe Co., Boston, Mass. Warm-lined slippers and shoes for indoor use. No. 100,722; Oct. 20; Gaz. vol. 207; p. 933.
- Ovanite Company. (See Schloss, Newton L., assignor.)
- Owens, Charles, Portsmouth, Va. Cigars. No. 95,140; Feb. 3; Gaz. vol. 199; p. 300.
- Owl Drug Company, The, San Francisco, Cal. Rouge and face-powder. No. 99,399; Aug. 25; Gaz. vol. 205; p. 1321.
- Oxola Manufacturing Company, The, Baltimore, Md. Shortening compound. No. 100,146; Oct. 6; Gaz. vol. 207; p. 295.
- Oxweld Acetylene Company. (See Acetylene Apparatus Manufacturing Company, assignor.)
- Oxweld Acetylene Company, Chicago, Ill. Gas-generators, acetylene blowpipes and cutting-torches. No. 95,653; Mar. 3; Gaz. vol. 200; p. 275.
- Oxycarbon Co., Worcester, Mass. Portable decarbonizing apparatus. No. 96,327; Apr. 14; Gaz. vol. 201; p. 566.
- Oxypathor Co., The, Buffalo, N. Y. Certain named pharmaceutical preparations. No. 95,714; Mar. 3; Gaz. vol. 200; p. 276.
- Ozene Company, Inc., New York, N. Y. Washing compounds. No. 100,390; Oct. 20; Gaz. vol. 207; p. 923.
- Ozmun, Nancy L., Cleveland, Ohio. Hair-curlers. No. 95,845; Mar. 17; Gaz. vol. 200; p. 853.
- P. Ballantine & Sons, Newark, N. J. Concentrated liquid malt preparation. No. 98,465; July 21; Gaz. vol. 204; p. 1005.
- P. Fortuna & Del Magro, Lucca, Italy. Olive-oil. No. 98,272; July 7; Gaz. vol. 204; p. 313.
- P. Hohenadel Jr. Canning Co., Rochelle, Ill. Canned corn and peas. No. 95,910; Mar. 24; Gaz. vol. 200; p. 1110.
- P. G. Davis Manufacturing Company. (See Davis, Perry G., assignor.)
- P. G. Pickman & Bros., Inc., New York, N. Y. Liquid chocolate preparation. No. 100,611; Oct. 20; Gaz. vol. 207; p. 930.
- P. & L. Comfort Baby Carriage Co. Inc., New York, N. Y. Baby-carriages and go-carts. No. 98,639; July 28; Gaz. vol. 204; p. 1340.
- Pa Pro Company, The, Lowville, N. Y. Paper caps for bottles, jars, &c. No. 97,437; June 2; Gaz. vol. 203; p. 301.
- Pac-Rite Company, Inc., New York, N. Y. Garment-folders. No. 98,315; July 7; Gaz. vol. 204; p. 315.
- Pace, James H., Shellman, Ga. Remedy for renal colic, diabetes, and Bright's disease. No. 100,147; Oct. 6; Gaz. vol. 207; p. 295.
- Pacific Bone Coal & Fertilizing Co., San Francisco, Cal. Fertilizers. No. 95,141; Feb. 3; Gaz. vol. 199; p. 300.
- Pacific Bone Coal & Fertilizing Co., San Francisco, Cal. Fertilizer. No. 96,534; Apr. 21; Gaz. vol. 201; p. 899.
- Pacific Bone Coal & Fertilizing Co., San Francisco, Cal. Fertilizer. No. 98,079; June 30; Gaz. vol. 203; p. 1553.
- Pacific Coast Glass Works, San Francisco, Cal. Fruit-jars. No. 99,235; Aug. 25; Gaz. vol. 205; p. 1316.
- Pacific Commercial Company, Manila, Philippine Islands, and New York, N. Y. Straw hats. No. 99,622; Sept. 8; Gaz. vol. 206; p. 585.
- Pacific Fisheries & Packing Company, Aberdeen, Wash. Canned salmon. No. 95,654; Mar. 3; Gaz. vol. 200; p. 275.
- Pacific Fisheries & Packing Company, Aberdeen, Wash. Canned salmon. Nos. 96,453-4; Apr. 21; Gaz. vol. 201; p. 897.
- Pacific Guano & Fertilizer Co., The, Honolulu, Hawaii. Fertilizers. Nos. 96,328-9; Apr. 14; Gaz. vol. 201; p. 566.
- Pacific Novelty Company, New York, N. Y. Hair-pins made of celluloid and horn. No. 95,779; Mar. 10; Gaz. vol. 200; p. 578.

Alphabetical list of registrants of trade-marks—Continued.

- Pacific Novelty Company, New York, N. Y. Hair-pins. No. 95,846; Mar. 17; Gaz. vol. 200; p. 853.
- Pacific Oriental Specialty Company, Stockton and San Francisco, Cal. Advertising apparatus. No. 97,880; June 23; Gaz. vol. 203; p. 1257.
- Package Confectionery Company, Boston, Mass. Candy, wafers, lozenges, and tablets. No. 100,148; Oct. 6; Gaz. vol. 207; p. 295.
- Packard Motor Car Company, Detroit, Mich. Lubricating-oil. No. 95,655; Mar. 3; Gaz. vol. 200; p. 275.
- Padmore & Barnes Limited, Northampton, England. Leather boots, shoes, slippers, leggings, and gaiters. No. 96,330; Apr. 14; Gaz. vol. 201; p. 566.
- Page Company. (See L. C. Page & Company (Inc.), assignor.)
- Page Dairy Company, The, Toledo, Ohio. Butter. No. 96,825; May 5; Gaz. vol. 202; p. 310.
- Pagliano, Prof. Girolamo, Florence, Italy. Blood-depurating syrup. No. 97,499; June 9; Gaz. vol. 203; p. 596.
- Pajean, Charles H., Chicago, Ill. Games, toys, and children's building-blocks. No. 96,175; Apr. 7; Gaz. vol. 201; p. 263.
- Palazzolo, Joseph, New York, N. Y. Razors, scissors, and hair-clippers. No. 97,881; June 23; Gaz. vol. 203; p. 1257.
- Pallares é Hijos, Fernando, Tortosa, Spain. Olive-oil. No. 96,415; Apr. 21; Gaz. vol. 201; p. 896.
- Palmer Candy Company, Sioux City, Iowa. Candy. No. 101,526; Dec. 22; Gaz. vol. 209; p. 1313.
- Palmer, E. Carlton, Philadelphia, Pa. Mouth-wash. No. 100,149; Oct. 6; Gaz. vol. 207; p. 295.
- Palmer & Singer Manufacturing Company, New York, N. Y. Motor-vehicles. No. 99,623; Sept. 8; Gaz. vol. 206; p. 585.
- Palmer & Singer Manufacturing Company, New York, N. Y. Motor-vehicles. No. 100,391; Oct. 20; Gaz. vol. 207; p. 923.
- Palo Seco Fruit Company, South Easton, Mass. Fresh pineapples. No. 96,455; Apr. 21; Gaz. vol. 201; p. 897.
- Panama Banana Food Company, New York, N. Y. Coffee substitute. No. 95,715; Mar. 3; Gaz. vol. 200; p. 276.
- Panama Macaroni Company, Los Angeles and Culver City, Cal. Macaroni, noodles, spaghetti, soup-marks. No. 99,777; Sept. 15; Gaz. vol. 206; p. 872.
- Panard Company, The, New York, N. Y. Coats, suits, dresses, waists, &c. No. 100,604; Oct. 20; Gaz. vol. 207; p. 930.
- Pantazin Co., James, Logansport, Ind. Chewing-gum. No. 96,456; Apr. 21; Gaz. vol. 201; p. 897.
- Paper Makers Co., The, Louisville, Ky. Writing and bond paper. No. 98,080; June 30; Gaz. vol. 203; p. 1553.
- Paper Makers Co., The, Louisville, Ky. Writing and bond papers. No. 99,493; Sept. 1; Gaz. vol. 206; p. 309.
- Paper Makers Co., The, Louisville, Ky. Writing and ledger paper. No. 101,317; Nov. 24; Gaz. vol. 208; p. 1352.
- Paper Sales Company, Chicago, Ill. Paper for drying, cleaning, polishing, and dusting purposes. No. 98,081; June 30; Gaz. vol. 203; p. 1553.
- Paper Sales Company, Chicago, Ill. Toilet-paper. No. 100,023; Sept. 29; Gaz. vol. 206; p. 1433.
- Paper Sales Company, Chicago, Ill. Toilet-paper. No. 100,222; Oct. 13; Gaz. vol. 207; p. 606.
- Paper Shell Pecan Growers Association, Chicago, Ill. Pecan-nuts. No. 100,723; Oct. 20; Gaz. vol. 207; p. 933.
- Paradiso, John, New York, N. Y. Shoe-blackening. No. 97,646; June 16; Gaz. vol. 203; p. 920.
- Paragon Metal Cap Company, Brooklyn, N. Y. Metal caps used on glass jars or bottles, &c. No. 99,236; Aug. 25; Gaz. vol. 205; p. 1316.
- Paramount Knitting Company, Chicago, Ill. Hosiery. No. 100,392; Oct. 20; Gaz. vol. 207; p. 923.
- Paramount Rubber Co., Trenton, N. J. Rubber tennis and hand balls. No. 98,082; June 30; Gaz. vol. 203; p. 1553.
- Parc, Julien B. du, deceased; L. B. du Parc, administrator, La Chapelle Aux Pots, France, and Sidney, N. Y. Camembert-type cheese. No. 96,577; Apr. 21; Gaz. vol. 201; p. 900.
- Parc, Louis B. du, administrator. (See Parc, Julien B. du.)
- Pardridge Mfg. Co., Detroit, Mich. Menthol-inhaler. Nos. 100,393-4; Oct. 20; Gaz. vol. 207; p. 923.
- Parian Paint Company, Atlanta, Ga. Paints. No. 96,601; Apr. 21; Gaz. vol. 201; p. 901.
- Paris, C. T., Chattanooga, Tenn. Coffee. No. 98,002; June 30; Gaz. vol. 203; p. 1551.
- Paris, Charles T., Chattanooga, Tenn. Coffee. No. 96,035; Mar. 31; Gaz. vol. 200; p. 1387.
- Paris, Charles T., Chattanooga, Tenn. Roasted coffee. No. 99,624; Sept. 8; Gaz. vol. 206; p. 585.
- Park Manufacturing Company, Incorporated. (See Perry, Lorenzo D., assignor.)
- Park Novelty Company, (now by change of name Lafore-Foster Company,) Philadelphia, Pa. Cartons and boxes. No. 98,083; June 30; Gaz. vol. 203; p. 1553.
- Park & Tilford, New York, N. Y. Candy. No. 97,075; May 19; Gaz. vol. 202; p. 946.
- Park & Tilford, New York, N. Y. Candy. Nos. 97,269-70; May 26; Gaz. vol. 202; p. 1255.
- Parker, Alfred B., Clayton, Mo. Nerve-tonic. No. 98,084; June 30; Gaz. vol. 203; p. 1553.
- Parker Brothers, Portland, Me., and Salem, Mass. Spinning game. No. 97,076; May 19; Gaz. vol. 202; p. 946.
- Parker Brothers, Portland, Me., and Salem, Mass. Card games. No. 97,882; June 23; Gaz. vol. 203; p. 1257.
- Parker Brothers, Portland, Me., and Salem, Mass. Toy spring-gun. No. 99,169; Aug. 18; Gaz. vol. 205; p. 1018.
- Parker Brothers, Portland, Me., and Salem, Mass. Card games. No. 99,354; Aug. 25; Gaz. vol. 205; p. 1320.
- Parker, Donald, New Woodstock, N. Y. Medicines and medical preparations. No. 96,036; Mar. 31; Gaz. vol. 200; p. 1387.
- Parker, George H., Dayton, Ohio. Preparation for the treatment of urinary diseases. No. 95,262; Feb. 3; Gaz. vol. 199; p. 303.
- Parker, Martha A., Shelbyville, Tenn. Remedy for eye diseases. No. 97,271; May 26; Gaz. vol. 202; p. 1255.
- Parker, Stearns & Company, New York and Brooklyn, N. Y. Rubber bathing-caps. No. 97,779; June 16; Gaz. vol. 203; p. 924.
- Parsons & Baker Co., Phoenixville, Pa. Ladies' knit underwear. No. 97,883; June 23; Gaz. vol. 203; p. 1257.
- Parsons Paper Co., Holyoke, Mass. Printing and writing papers. No. 99,778; Sept. 15; Gaz. vol. 206; p. 872.
- Parsons, Theophilus, *et al.*, trustees. (See Amoskeag Manufacturing Company, assignor.)
- Pasha Spark-Plug Company. (See Mills, David B., assignor.)
- Pass & Seymour, Inc., Solvay, N. Y. Incandescent electric-lamp sockets. No. 101,003; Nov. 3; Gaz. vol. 208; p. 335.
- Pastre, Anthony J., New York, N. Y. Greaseless cream, toilet water, face-powder, &c. No. 98,085; June 30; Gaz. vol. 203; p. 1553.
- Patapasco Guano Company, Baltimore, Md. Fertilizers. No. 95,345; Feb. 10; Gaz. vol. 199; p. 613.
- Patchogue Mfg. Co., New York, N. Y. Lace curtains. No. 100,395; Oct. 20; Gaz. vol. 207; p. 923.
- Patmos, Louis, Paterson, N. J. Pharmaceutical preparation for the treatment of headaches and neuralgia. No. 96,176; Apr. 7; Gaz. vol. 201; p. 263.
- Patterson Drug Co., Lynchburg, Va. Emulsion of petroleum compound. No. 96,990; May 12; Gaz. vol. 202; p. 629.
- Patterson, James W., New York, N. Y. Candy and chewing-gum. No. 101,197; Nov. 17; Gaz. vol. 208; p. 981.
- Patterson-Sargent Company, Cleveland, Ohio. Varnish. No. 95,556; Feb. 24; Gaz. vol. 199; p. 1240.
- Patterson-Sargent Company, The, Cleveland, Ohio. Paints, enamels, stains, and varnishes. No. 96,331; Apr. 14; Gaz. vol. 201; p. 566.
- Patterson-Sargent Company, The, Cleveland, Ohio. Dry and ready-mixed paints, enamels, stains, &c. No. 98,191; July 7; Gaz. vol. 204; p. 311.
- Patterson-Sargent Company, Cleveland, Ohio. Paints, enamels, stains, lacs, &c. No. 100,024; Sept. 29; Gaz. vol. 206; p. 1433.
- Paugh, Phreeborn G., St. Louis, Mo. Emergency-dressings. No. 100,397; Oct. 20; Gaz. vol. 207; p. 924.
- Paul Brothers, Inc., Philadelphia, Pa. Boots, shoes, and slippers. No. 100,398; Oct. 20; Gaz. vol. 207; p. 924.
- Paul F. Beich Company, Bloomington, Ill. Candy. No. 95,868; Mar. 24; Gaz. vol. 200; p. 1109.
- Paul F. Beich Company, Bloomington, Ill. Topping for fruit, jelly, and ice-cream. No. 98,120; July 7; Gaz. vol. 204; p. 309.
- Paulsen & Son, H. C., Baton Rouge, La. Toilet powder. No. 100,607; Oct. 20; Gaz. vol. 207; p. 930.
- Pavelkovitz, Julia, Chico, Cal. Hair-restorer. No. 95,716; Mar. 3; Gaz. vol. 200; p. 276.
- Paxton & Gallagher Co., Omaha, Nebr. Automobile-tires of certain materials, inside and outside patches and boots for pneumatic tires. No. 101,413; Dec. 8; Gaz. vol. 209; p. 681.
- Payne & Co., A. E., Salt Lake City, Utah. Paints. No. 95,467; Feb. 17; Gaz. vol. 199; p. 935.
- Payne, Herbert, San Francisco, Cal. Motion-picture films. No. 97,555; June 9; Gaz. vol. 203; p. 598.
- Payne, Samuel B., Kansas City, Kans. Remedy for diseases of the blood and skin. No. 99,170; Aug. 18; Gaz. vol. 205; p. 1018.
- Pearce Bros. Leather Co., Newark, N. J. Leather substitute. No. 98,810; Aug. 4; Gaz. vol. 205; p. 299.
- Pearsall & Co., Jas., London, England. Sewing-silk. No. 99,355; Aug. 25; Gaz. vol. 205; p. 1320.
- Pearson's Antiseptic Company, Ltd., London, England. Antiseptic veterinary liniment. No. 98,556; July 21; Gaz. vol. 204; p. 1008.
- Pease, Jesse M., Buffalo, N. Y. Metal, shoe, and stove polishes and polishing mittens and cloths. No. 97,884; June 23; Gaz. vol. 203; p. 1257.
- Pechin, René G., Philadelphia, Pa. Belt-dressing. No. 96,332; Apr. 14; Gaz. vol. 201; p. 566.
- Peck & Co., Samuel W., New York, N. Y. Suits and overcoats. No. 97,169; May 19; Gaz. vol. 202; p. 949.
- Peck, John W., London, England. Certain mixture used in manufacturing surgical splints and medical appliances. No. 95,781; Mar. 10; Gaz. vol. 200; p. 578.
- Peckham, Samuel C., Brenham, Tex. Candy-coated popcorn and peanuts, pecans and cocoanut, &c. No. 96,177; Apr. 7; Gaz. vol. 201; p. 263.

Alphabetical list of registrants of trade-marks—Continued.

- Pecora Paint Co., Philadelphia, Pa. Cement containing oil for rendering roofs and structures waterproof. No. 98,192; July 7; Gaz. vol. 204; p. 311.
- Ped-Ami Co. Inc., New York, N. Y. Medicated powder or tablet for the feet. No. 95,557; Feb. 24; Gaz. vol. 199; p. 1240.
- Peek, Freat & Co., Limited, London, England. Biscuits. No. 98,557; July 21; Gaz. vol. 204; p. 1008.
- Peek, Freat and Company, Limited, London, England. Biscuits. No. 98,003; June 30; Gaz. vol. 203; p. 1551.
- Peek, Freat and Company, Limited, London, England. Biscuits. No. 100,879; Oct. 27; Gaz. vol. 207; p. 1245.
- Peerless Biscuit Company, Pittsburgh, Pa. Sugar wafers, cakes, crackers, and biscuits. No. 100,399; Oct. 20; Gaz. vol. 207; p. 924.
- Peerless Machinery Company, Boston, Mass. Celluloid-covered eyelets and lacing-hooks for shoes. No. 100,400; Oct. 20; Gaz. vol. 207; p. 924.
- Peerless Pattern Company, Beacon and New York, N. Y. Quarterly periodical. No. 100,150; Oct. 6; Gaz. vol. 207; p. 295.
- Peerless Spool Silk Co., New York, N. Y. Spool-silk and mercerized thread. No. 94,824; Jan. 6; Gaz. vol. 198; p. 236.
- Peet Bros. Mfg. Co., Kansas City, Kans. Soap. No. 101,108; Nov. 10; Gaz. vol. 208; p. 653.
- Peet Brothers, Philadelphia, Pa. Hooks and eyes. No. 97,350; June 2; Gaz. vol. 203; p. 298.
- Peetz Brothers Livery & Undertaking Company, St. Louis, Mo. Caskets and coffins. No. 99,356; Aug. 25; Gaz. vol. 205; p. 1320.
- Peirce, Charles H., La Fayette, Ind. Four-in-hand ties. No. 100,401; Oct. 20; Gaz. vol. 207; p. 924.
- Peirson & Co., E. V., Newark, N. Y. Wheat-flour. No. 95,234; Feb. 3; Gaz. vol. 199; p. 302.
- Pellier Frères, Mans, France. Certain named foods. Nos. 96,457-8; Apr. 21; Gaz. vol. 201; p. 897.
- Pellier Frères, Mans, France. Certain named foods. No. 96,826; May 5; Gaz. vol. 202; p. 310.
- Pellier Frères, Mans, France. Certain named foods. No. 96,991; May 12; Gaz. vol. 202; p. 629.
- Peninsular Chemical Co., Detroit, Mich. Perfumery, face and talcum powders. No. 99,400; Aug. 25; Gaz. vol. 205; p. 1321.
- Penn Glue Company, Philadelphia, Pa. Glues, adhesive gums, pastes, and sizings. No. 95,468; Feb. 17; Gaz. vol. 199; p. 935.
- Penn The Florist, Boston, Mass. Flowers. No. 99,237; Aug. 25; Gaz. vol. 205; p. 1316.
- Penn Tobacco Co., Wilkes-Barre, Pa. Smoking and chewing tobacco. Nos. 101,318-19; Nov. 24; Gaz. vol. 208; p. 1352.
- Pennock, Annie M., Elmhurst, N. Y. Foot-salve. No. 94,927; Jan. 13; Gaz. vol. 198; p. 491.
- Pennsylvania Steel Company, The, Steelton, Pa., and New York, N. Y. Iron ingots, bars, pigs, castings, and forgings, steel, and alloys of iron and steel. No. 98,891; Aug. 4; Gaz. vol. 205; p. 301.
- Pennsylvania Sugar Company, Philadelphia, Pa. Sugar. No. 97,780; June 16; Gaz. vol. 203; p. 924.
- Pennsylvania Wire Glass Company, Philadelphia, Pa. Sheet-glass. No. 97,885; June 23; Gaz. vol. 203; p. 1257.
- Penrith-Akers Mfg. Co., Minneapolis, Minn. Soft drink. No. 100,402; Oct. 20; Gaz. vol. 207; p. 924.
- Penryn Fruit Company, Penryn, Cal. Fresh citrus and deciduous green fruits, grapes, and berries. No. 99,357; Aug. 25; Gaz. vol. 205; p. 1320.
- People's Outfitting Company, Detroit, Mich. Ranges. No. 95,346; Feb. 10; Gaz. vol. 199; p. 613.
- Peper Brothers, New York, N. Y. White lead. No. 97,351; June 2; Gaz. vol. 203; p. 298.
- Pepsinaid Company, The, Lexington, Ky. Tablets for heartburn and sour stomach. No. 101,004; Nov. 3; Gaz. vol. 208; p. 335.
- Perelstine, Simon, Pittsburgh, Pa. Boots, shoes, and slippers. No. 94,928; Jan. 13; Gaz. vol. 198; p. 491.
- Perfection Overgaiter Company, Winooski and Burlington, Vt. Shoes and the like. No. 101,198; Nov. 17; Gaz. vol. 208; p. 981.
- Perfection Silver and Gold Cleaning Co., Seattle, Wash. Metal cleaner and polisher. No. 97,438; June 2; Gaz. vol. 203; p. 301.
- Perfectol Company, Philadelphia, Pa. Emulsion cleaner for woodwork and metal. No. 99,902; Sept. 22; Gaz. vol. 206; p. 1159.
- Perham & Morsbach Company, Chicago, Ill. Combination bust-supporter and dress-shields. No. 97,556; June 9; Gaz. vol. 203; p. 598.
- Permutit Company, The, New York, N. Y. Water purifying and treating materials. No. 94,825; Jan. 6; Gaz. vol. 198; p. 236.
- Perolin Company of America, The, Chicago, Ill. Chemical compounds for preserving boiler metals, &c. Nos. 98,683-4; July 28; Gaz. vol. 204; p. 1341.
- Perrin & Cie., V., Grenoble, France; London, England, and Gloversville and New York, N. Y. Gloves. No. 97,886; June 23; Gaz. vol. 203; p. 1257.
- Perrin & Cie., V., Grenoble, France; London, England, and Gloversville and New York, N. Y. Leather gloves. No. 98,416; July 14; Gaz. vol. 204; p. 671.
- Perry, Lorenzo D., assignor to Park Manufacturing Company, Incorporated, Buffalo, N. Y. Cathartic tablets. No. 100,608; Oct. 20; Gaz. vol. 207; p. 930.
- Perseverance Worsted Company, Woonsocket, R. I. Worsted piece goods. No. 99,494; Sept. 1; Gaz. vol. 206; p. 309.
- Peter A. Frasse & Co., Inc., New York, N. Y. Tool-steel. Nos. 98,141-2; July 7; Gaz. vol. 204; p. 310.
- Peter Dawson, Ltd., Dufftown and Glasgow, Scotland. Whisky. No. 97,218; May 26; Gaz. vol. 202; p. 1253.
- Peter Dawson, Ltd., Dufftown and Glasgow, Scotland. Whisky. No. 97,684; June 16; Gaz. vol. 203; p. 921.
- Peter Kern Co., Knoxville, Tenn. Candy. No. 97,146; May 19; Gaz. vol. 202; p. 948.
- Peter Kern Company, Inc., Knoxville, Tenn. Fruit cakes. No. 97,621; June 16; Gaz. vol. 203; p. 920.
- Peter Kern Company, Inc., Knoxville, Tenn. Candy. No. 97,980; June 30; Gaz. vol. 203; p. 1550.
- Peter Pan Distilling Company, Cincinnati, Ohio. Whisky. Nos. 96,535-6; Apr. 21; Gaz. vol. 201; p. 899.
- Peter Schoenhofen Brewing Company, The, Chicago, Ill. Malt extract. No. 100,729; Oct. 20; Gaz. vol. 207; p. 933.
- Peters Brothers, New York, N. Y. Lining-cloth. No. 95,469; Feb. 17; Gaz. vol. 199; p. 935.
- Peters Manufacturing Company, Boston, Mass., and New York, N. Y. Cloth for mending wearing-apparel, shoe-leather, furs, &c. No. 97,887; June 23; Gaz. vol. 203; p. 1257.
- Peters, Milton C., assignor to M. C. Peters Mill Co., Omaha, Nebr. Prepared stock food. No. 99,116; Aug. 18; Gaz. vol. 206; p. 1016.
- Peters, Thos. J., Perrine, Fla. Fresh tomatoes. No. 100,223; Oct. 13; Gaz. vol. 207; p. 606.
- Petersen, Christine, Evanston, Ill. Corsets. No. 97,352; June 2; Gaz. vol. 203; p. 298.
- Petit, Georges, Lomme-lez-Lille, France. Paste paint and certain named ingredients thereof. No. 98,086; June 30; Gaz. vol. 203; p. 1553.
- Petit Salt Company, Milwaukee, Wis. Table-salt. No. 101,199; Nov. 17; Gaz. vol. 208; p. 981.
- Petrie, Arthur, Oklahoma, Okla. Cathartic capsules. No. 96,459; Apr. 21; Gaz. vol. 201; p. 897.
- Peterson, Lars M., Worcester, Mass. Preparation for making non-alcoholic beverages and root-beer. No. 95,938; Mar. 24; Gaz. vol. 200; p. 1111.
- Peyton Paper Company, Duluth, Minn. Writing-paper. No. 99,061; Aug. 11; Gaz. vol. 205; p. 659.
- Peyton Paper Company, Duluth, Minn. Writing-tablets. No. 99,062; Aug. 11; Gaz. vol. 205; p. 659.
- Pfister & Vogel Leather Co., Milwaukee, Wis. Leather in unmanufactured form. No. 101,320; Nov. 24; Gaz. vol. 208; p. 1352.
- Pharis Tire & Rubber Co., The, Newark, Ohio. Pneumatic tires and inner tubes therefor. No. 100,880; Oct. 27; Gaz. vol. 207; p. 1245.
- Pharmaceutical Drug Company, Buffalo, N. Y. Powders for making soft drinks. No. 101,200; Nov. 17; Gaz. vol. 208; p. 981.
- Phenix Marble Company, Kansas City, Mo. Quarried marble. No. 101,414; Dec. 8; Gaz. vol. 209; p. 681.
- Philadelphia School for Nurses, Philadelphia, Pa. Printed books, booklets, pamphlets, and prints. No. 96,037; Mar. 31; Gaz. vol. 200; p. 1387.
- Philip Carey Manufacturing Co., The, Lockland, Ohio. Imitation plaster, solid wood, and commercial veneer. No. 100,694; Oct. 20; Gaz. vol. 207; p. 932.
- Philip Carey Manufacturing Company, The, Lockland, Ohio. Composition roofing and siding. No. 98,247; July 7; Gaz. vol. 204; p. 313.
- Philip J. Ritter Conserve Company, The, Philadelphia, Pa. Certain named foods. No. 98,008; June 30; Gaz. vol. 203; p. 1551.
- Philip Werlein, Ltd., New Orleans, La. Pianos. No. 95,503; Feb. 17; Gaz. vol. 199; p. 936.
- Phillips, Fletcher S., Kansas City, Mo. Non-shrinking compound for use in dyeing. No. 101,005; Nov. 3; Gaz. vol. 208; p. 335.
- Phillips, John A., New York, N. Y. Card games. No. 95,939; Mar. 24; Gaz. vol. 200; p. 1111.
- Phillips' Patents, Limited, London, England. Rubber heel-pads and tips for boots and shoes. No. 99,117; Aug. 18; Gaz. vol. 205; p. 1016.
- Phillips & Sons, M., New York, N. Y. Certain named articles of clothing. No. 95,010; Jan. 20; Gaz. vol. 198; p. 700.
- Phillips, Thomas W. S., New York, N. Y. Toilet and face powders and perfumes. No. 101,006; Nov. 3; Gaz. vol. 208; p. 335.
- Philo Hay Specialties Co., Newark, N. J. Toilet-combs. No. 100,881; Oct. 27; Gaz. vol. 207; p. 1245.
- Philo Hay Specialties Co., Newark, N. J. Medicated soap. Nos. 101,415-16; Dec. 8; Gaz. vol. 209; p. 681.
- Phoenix Flour Mill, Evansville, Ind. Self-rising flour. No. 100,609; Oct. 20; Gaz. vol. 207; p. 930.
- Phoenix Glass Co., The, Pittsburgh, Pa. Lighting units for semi-indirect lighting. No. 95,656; Mar. 3; Gaz. vol. 200; p. 275.
- Phoenix Oil Co., Cleveland, Ohio. Soaps. No. 100,403; Oct. 20; Gaz. vol. 207; p. 924.

Alphabetical list of registrants of trade-marks—Continued.

- Phoenix Silk Mfg. Co., New York, N. Y. Silk ribbon and silk piece goods. No. 100,610; Oct. 20; Gaz. vol. 207; p. 930.
- Phoenix Toilet and Paper Manufacturing Company, Phoenix, N. Y. Toilet-papers. No. 99,779; Sept. 15; Gaz. vol. 206; p. 872.
- Phoenix Toilet and Paper Manufacturing Company, Phoenix, N. Y. Toilet-papers. Nos. 100,404-5; Oct. 20; Gaz. vol. 207; p. 924.
- Photoplay Printing Company, assignor to Cloud Publishing Company, Chicago, Ill. Monthly magazines. No. 97,500; June 9; Gaz. vol. 203; p. 596.
- Pickelsimer, J. B., Asheville, N. C. Remedy for headache. No. 101,321; Nov. 24; Gaz. vol. 208; p. 1352.
- Piel Company, The, G., New York and Long Island City, N. Y. Muffler cut-outs, flexible shafts for machines, and carbureters. No. 95,847; Mar. 17; Gaz. vol. 200; p. 853.
- Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Automobiles. No. 97,501; June 9; Gaz. vol. 203; p. 596.
- Pierce, Burt N., Flint, Mich. Carbureters. No. 95,143; Feb. 3; Gaz. vol. 199; p. 300.
- Pierce Co., C. E., San Francisco, Cal. Canned tunny, clams, and mussels. No. 101,085; Nov. 10; Gaz. vol. 208; p. 652.
- Pierce, Geo. C., Kansas City, Mo. Laxative tablets. No. 98,558; July 21; Gaz. vol. 204; p. 1008.
- Pierce Hardware Company, Taunton, Mass. Roofing felt and paper. No. 100,612; Oct. 20; Gaz. vol. 207; p. 930.
- Pierce, John D., Chicago, Ill. Metal weather-strips for doors and windows. No. 97,272; May 26; Gaz. vol. 202; p. 1255.
- Pierce Oil Corporation, Richmond, Va., and St. Louis, Mo. Automobile, &c., lubricating-oils and transmission-grease. No. 100,882; Oct. 27; Gaz. vol. 207; p. 1245.
- Pieser-Livinston Co., The, Chicago, Ill. Gluten flour, noodles, meal, and bread. No. 95,940; Mar. 24; Gaz. vol. 200; p. 1111.
- Plesse & Lubin, London, England. Certain named chemical and pharmaceutical preparations. No. 100,151; Oct. 6; Gaz. vol. 207; p. 295.
- Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat-flour. No. 98,004; June 30; Gaz. vol. 203; p. 1551.
- Pilot Cotton Mills Company, Raleigh, N. C. Chevoits. No. 97,077; May 19; Gaz. vol. 202; p. 946.
- Pincoffs, Peter A., New York, N. Y. Dried fruits. No. 99,358; Aug. 25; Gaz. vol. 205; p. 1320.
- Pineoleum Company, The, New York, N. Y. Liquid oil preparation for the relief of certain ailments. No. 96,038; Mar. 31; Gaz. vol. 200; p. 1387.
- Pingo Company, Cambridge, Mass. Metal-polishes. No. 96,333; Apr. 14; Gaz. vol. 201; p. 566.
- Pioneer Shoe & Rubber Company, Minneapolis, Minn. Leather boot-tops. No. 95,941; Mar. 24; Gaz. vol. 200; p. 1111.
- Piper Cooling and Preserving Company, The, Jackson, Mo. Refrigerators. No. 99,625; Sept. 8; Gaz. vol. 206; p. 585.
- Pirring Manufacturing Company, Chicago, Ill. Mops. No. 96,039; Mar. 31; Gaz. vol. 200; p. 1387.
- Piskorski, Abdon V., Jersey City, N. J. Laxative and digestive remedy. No. 97,502; June 9; Gaz. vol. 203; p. 596.
- Pitts Shoe Company, The, Montgomery, Ala. Leather and canvas shoes. No. 98,685; July 28; Gaz. vol. 204; p. 1341.
- Pittsburgh Brewing Company, Pittsburgh, Pa. Beer, ale, and porter. No. 94,827; Jan. 6; Gaz. vol. 198; p. 236.
- Pittsburgh Brewing Company, Pittsburgh, Pa. Beer. No. 95,657; Mar. 3; Gaz. vol. 200; p. 275.
- Pittsburgh Brewing Company, Pittsburgh, Pa. Beer. No. 99,495; Sept. 1; Gaz. vol. 206; p. 309.
- Pittsburgh Brewing Company, Pittsburgh, Pa. Beer, ale, and porter. No. 100,025; Sept. 29; Gaz. vol. 206; p. 1433.
- Pittsburgh Crushed Steel Co., Pittsburgh, Pa. Iron and steel abrasives. No. 99,903; Sept. 22; Gaz. vol. 206; p. 1159.
- Pittsburgh Dry Goods Company, Pittsburgh, Pa. White piece goods made of certain materials. No. 95,558; Feb. 24; Gaz. vol. 199; p. 1240.
- Pittsburgh Dry Goods Company, The, Pittsburgh, Pa. Shirts. No. 97,557; June 9; Gaz. vol. 203; p. 598.
- Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Glass chimneys and globes. No. 98,559; July 21; Gaz. vol. 204; p. 1008.
- Pittsburgh Steel Co., Pittsburgh, Pa. Metal fencing. No. 97,170; May 19; Gaz. vol. 202; p. 949.
- Planert & Sons, F. W., Chicago, Ill. Ice-skates. No. 95,942; Mar. 24; Gaz. vol. 200; p. 1111.
- Plaschy, Leon, New York, N. Y. Medicinal compound for the scalp. No. 99,496; Sept. 1; Gaz. vol. 206; p. 309.
- Platt, Mary E., New York, N. Y. Liquid disinfectant. No. 96,040; Mar. 31; Gaz. vol. 200; p. 1387.
- Platt & Washburn Refining Company, New York, N. Y. Lubricating oils and greases. No. 97,888; June 23; Gaz. vol. 203; p. 1257.
- Platt & Washburn Refining Company, New York, N. Y. Lubricating-oils. No. 98,686; July 28; Gaz. vol. 204; p. 1341.
- Plattsburg Broom Co., Inc., Plattsburg, N. Y. Brooms. No. 99,171; Aug. 18; Gaz. vol. 205; p. 1018.
- Plumb, Chas. L., New York, N. Y. Wheat-flour. No. 96,715; Apr. 28; Gaz. vol. 201; p. 1216.
- Plummer, William, Camden, N. J. Furniture-polish. No. 98,194; July 7; Gaz. vol. 204; p. 311.
- Plunkett Company, Thos., Minneapolis, Minn. Insecticide. No. 96,602; Apr. 21; Gaz. vol. 201; p. 901.
- Plymouth Coal and Mining Co., Plymouth, W. Va. Coal. No. 95,658; Mar. 3; Gaz. vol. 200; p. 275.
- Plymouth Cordage Company, Plymouth, Mass. Rope and twine. No. 95,144; Feb. 3; Gaz. vol. 199; p. 300.
- Plympton Manufacturing Co., Boston, Mass. Bottle stoppers and caps. No. 95,145; Feb. 3; Gaz. vol. 199; p. 300.
- Pneumo-Vapo-Tone Co., Jackson City, Mo. Remedy for diseases of the air-passages. No. 98,811; Aug. 4; Gaz. vol. 205; p. 299.
- Polack Tyre & Rubber Co., New York, N. Y. Rubber tires. No. 100,883; Oct. 27; Gaz. vol. 207; p. 1245.
- Poldihütte Tiegelschustahlfabrik, Vienna and Kladno, Austria-Hungary. Steel. No. 96,178; Apr. 7; Gaz. vol. 201; p. 264.
- Pond Pharmacal Company, New York, N. Y. Preparation to be dissolved in water for treatment of the feet. No. 101,449; Dec. 15; Gaz. vol. 209; p. 1049.
- Pond's Extract Company, New York, N. Y. Cold-cream. No. 94,930; Jan. 13; Gaz. vol. 198; p. 491.
- Pond's Extract Company, New York, N. Y. Face-cream. No. 94,931; Jan. 13; Gaz. vol. 198; p. 491.
- Ponndorf, Wilhelm, Cassel, Germany. Certain named cutlery, machinery, and parts thereof. No. 95,146; Feb. 3; Gaz. vol. 199; p. 300.
- Ponndorf, Wilhelm, Cassel, Germany. Clearing-pans, hop-jacks, beer-hoppers, &c. No. 98,687; July 28; Gaz. vol. 204; p. 1341.
- Pope & Sons, Chas. S., Manchester, Me. Cream, milk, and butter. No. 99,626; Sept. 8; Gaz. vol. 206; p. 585.
- Popular Mechanics Company, Chicago, Ill. Monthly magazine. No. 101,201; Nov. 17; Gaz. vol. 208; p. 981.
- Porcela-Radox Company, Pittsburgh, Pa. Preparation for cleaning enameled and porcelain ware. No. 100,613; Oct. 20; Gaz. vol. 207; p. 930.
- Porta, J. R., Tampa, Fla. Headache and indigestion remedies. No. 101,527; Dec. 22; Gaz. vol. 209; p. 1314.
- Portable Frame & Sign Company, Milwaukee, Wis. Signs. No. 96,992; May 12; Gaz. vol. 202; p. 629.
- Porter, C. C., Holdrege, Nebr. Cigars. No. 99,904; Sept. 22; Gaz. vol. 206; p. 1159.
- Porter Company, Muskogee, Okla. Remedy for headache. No. 101,489; Dec. 15; Gaz. vol. 209; p. 1050.
- Portland Milling Co., Portland, Mich. Wheat-flour. No. 94,932; Jan. 13; Gaz. vol. 198; p. 491.
- Porto Rico Fruit Exchange, The, San Juan, Porto Rico. Certain named fruits, either in their natural state or canned. No. 95,470; Feb. 17; Gaz. vol. 199; p. 935.
- Portsmouth Engine Co., The, Portsmouth, Ohio. Small ammonia-compressors. No. 100,884; Oct. 27; Gaz. vol. 207; p. 1245.
- Porzellanfabrik Schönewald A. G., Schönewald, Germany. Porcelains. No. 98,417; July 14; Gaz. vol. 204; p. 671.
- Porzellanfabrik Schönewald A.-G., Schönewald, Germany. Porcelain, earthenware, and crockery. No. 100,407; Oct. 20; Gaz. vol. 207; p. 924.
- Post Publishing Company, Boston, Mass. Newspaper-section published periodically. No. 97,558; June 9; Gaz. vol. 203; p. 598.
- Postum Cereal Co., Limited, Battle Creek, Mich. Flavoring extract for non-alcoholic beverages. No. 95,347; Feb. 10; Gaz. vol. 199; p. 613.
- Postum Cereal Company, Limited, Battle Creek, Mich. Flavoring material for foods. No. 94,933; Jan. 13; Gaz. vol. 198; p. 491.
- Potter, Sloan, O'Donohue Co., New York, N. Y. Beverage compounded of coffee, chicory, and cereal. No. 97,647; June 16; Gaz. vol. 203; p. 920.
- Potter & Wrightington, Boston, Mass. Dog-soap. No. 100,614; Oct. 20; Gaz. vol. 207; p. 930.
- Potts & Co., Horace T., Philadelphia, Pa. Tool-steel. No. 99,627; Sept. 8; Gaz. vol. 206; p. 585.
- Potvin, Arthur J., Minneapolis, Minn. Corn-shields. No. 95,659; Mar. 3; Gaz. vol. 200; p. 275.
- Powell Brothers Shoe Company, New York, N. Y., assignor to W. H. McElwain Company, Boston, Mass. Boots, shoes, and slippers. No. 98,689; July 28; Gaz. vol. 204; p. 1341.
- Powell, Charles A., Whitesboro, N. Y. Knitted vests, pants, union suits, and corset-covers. No. 99,628; Sept. 8; Gaz. vol. 206; p. 585.
- Powell, Charles E., Kingston, N. Y. Preparation for the treatment of stomach, liver, intestines, and nerves. No. 96,179; Apr. 7; Gaz. vol. 201; p. 264.
- Powell, Rolland M., Ridley Park, Pa. Leads, slugs, and blocks. No. 98,688; July 28; Gaz. vol. 204; p. 1341.
- Powell-Sanders Co., Spokane, Wash. Coffee. No. 99,780; Sept. 15; Gaz. vol. 206; p. 872.
- Powell's. (See O'Neil, William F., assignor.)

Alphabetical list of registrants of trade-marks—Continued.

- Powell's, New York, N. Y. Candy. No. 98,560; July 21; Gaz. vol. 204; p. 1008.
- Powell's, New York, N. Y. Candies, chocolates, and nuts. No. 101,528; Dec. 22; Gaz. vol. 209; p. 1314.
- Powers, Emmett, Denver, Colo. Face-powder. No. 94,828; Jan. 6; Gaz. vol. 198; p. 236.
- Powers National Ink Company, Denver, Colo. Mucilage, paste, and adhesive gum. No. 97,889; June 23; Gaz. vol. 203; p. 1257.
- Pratt & Lambert, Buffalo, N. Y. Varnishes. No. 95,471; Feb. 17; Gaz. vol. 199; p. 935.
- Pratt-Low Preserving Co., Santa Clara, Cal. Canned cherries, peaches, pears, tomatoes, &c. No. 98,892; Aug. 4; Gaz. vol. 205; p. 302.
- Pratt & Whitney Co., Hartford, Conn. Taps. No. 101,490; Dec. 15; Gaz. vol. 209; p. 1050.
- Prée, August, Dresden, Germany. Paint for certain named materials and paste, preventing rust, and varnish. No. 95,782; Mar. 10; Gaz. vol. 200; p. 578.
- Premier Electric Company, Chicago, Ill. Incandescent electric lamps. No. 101,473; Dec. 15; Gaz. vol. 209; p. 1050.
- Premier Packing Co., San Diego, Cal. Canned tuna. No. 98,690; July 28; Gaz. vol. 204; p. 1341.
- Premier Packing Co., San Diego, Cal. Canned fish. No. 99,063; Aug. 11; Gaz. vol. 205; p. 659.
- Premier Packing Co., Chicago, Ill. Canned albicore. No. 100,885; Oct. 27; Gaz. vol. 207; p. 1245.
- Premier Vacuum Cleaner Company, The, Cleveland, Ohio. Electrical vacuum cleaning-machines and parts thereof. No. 99,018; Aug. 11; Gaz. vol. 205; p. 658.
- Prenzlau's Fabrikwerke, L., Hamburg, Germany. Tanners' and quebracho barks, tanning extracts, corrosives, &c. Nos. 98,561-2; July 21; Gaz. vol. 204; p. 1008.
- Prenzlau's Fabrikwerke, L., Hamburg, Germany. Eggs, white and yolk of eggs. No. 98,893; Aug. 4; Gaz. vol. 205; p. 302.
- Prenzlau's Fabrikwerke, L., Hamburg, Germany. Tanning greases and oils. No. 100,408; Oct. 20; Gaz. vol. 207; p. 924.
- Prenzlau's Fabrikwerke, L., Hamburg, Germany. Tanning greases and oils. No. 100,615; Oct. 20; Gaz. vol. 207; p. 930.
- Preservaline Manufacturing Co., The, Brooklyn, N. Y. Food-preservatives, antiseptics, disinfectants, &c. No. 94,934; Jan. 13; Gaz. vol. 198; p. 491.
- Press Publishing Company, The, (The New York World,) New York, N. Y. Newspaper articles. No. 101,592; Dec. 29; Gaz. vol. 209; p. 1688.
- Pressed Metal Radiator Company, Pittsburgh, Pa. Steam and hot-water boilers and radiators. Nos. 99,781-2; Sept. 15; Gaz. vol. 206; p. 872.
- Pressed Steel Truck Company, Pittsburgh, Pa. Hand-trucks. No. 95,559; Feb. 24; Gaz. vol. 199; p. 1240.
- Preston, Gustavo, Boston, Mass., and Naguabo, Porto Rico. Honey and cane-syrup. No. 99,238; Aug. 25; Gaz. vol. 205; p. 1316.
- Preventit Co., Dallas, Tex. Preventive of venereal diseases. No. 95,348; Feb. 10; Gaz. vol. 199; p. 613.
- Price Flavoring Extract Company, Chicago, Ill. Flavoring extracts for foods. No. 99,783; Sept. 15; Gaz. vol. 206; p. 872.
- Pride of the Kitchen Company, New York, N. Y. Washing and scouring soaps and powders. No. 95,660; Mar. 3; Gaz. vol. 200; p. 275.
- Printers' Ink Publishing Company, Jersey City, N. J., and New York, N. Y. Weekly publication. No. 101,322; Nov. 24; Gaz. vol. 208; p. 1352.
- Prinz, Heinrich, Gensungen, Germany. Cheese. No. 95,472; Feb. 17; Gaz. vol. 199; p. 935.
- Prinz, Firm of Heinrich, Gensungen, Germany. Milk, whey, cream, butter, and cheese. No. 96,905; May 5; Gaz. vol. 202; p. 313.
- Prior, Olive C., Middletown, N. Y. Face-cream. No. 101,323; Nov. 24; Gaz. vol. 208; p. 1353.
- Procaline Co., The, New York, N. Y. Medicinal ointment. No. 100,152; Oct. 6; Gaz. vol. 207; p. 295.
- Procter & Gamble Company, The, Cincinnati and Ivorydale, Ohio, and Macon, Ga. Laundry soap. Nos. 96,041-2; Mar. 31; Gaz. vol. 200; p. 1387.
- Procter & Gamble Company, The, Ivorydale and Cincinnati, Ohio. Soap. No. 99,784; Sept. 15; Gaz. vol. 206; p. 872.
- Procter & Gamble Company, The, Ivorydale and Cincinnati, Ohio. Laundry soap. No. 100,616; Oct. 20; Gaz. vol. 207; p. 930.
- Proctor, George H., Newcastle-upon-Tyne, England. Pastils for use in asthma, catarrh, coughs, &c. No. 100,153; Oct. 6; Gaz. vol. 207; p. 295.
- Profumo, Charles, New Orleans, La. Preparation for treatment of certain named diseases. No. 98,563; July 21; Gaz. vol. 204; p. 1008.
- Protective "Fredo" Stoppie Company. (See Douglass, John W., assignor.)
- Protex Hosiery Company, Boston, Mass. Hosiery. No. 100,617; Oct. 20; Gaz. vol. 207; p. 930.
- Protocon Company, Incorporated, The, New York, N. Y. Certain named articles of clothing. No. 94,935; Jan. 13; Gaz. vol. 198; p. 491.
- Providol Gesellschaft mit beschränkter Haftung, Berlin, Germany. Medicinal and toilet soap. No. 96,043; Mar. 31; Gaz. vol. 200; p. 1387.
- Providol Gesellschaft mit beschränkter Haftung, Berlin, Germany. Disinfectants. No. 98,195; July 7; Gaz. vol. 204; p. 311.
- Pru-Va Chemical Co., St. Louis, Mo. Preventive of venereal diseases. No. 98,196; July 7; Gaz. vol. 204; p. 311.
- Pschorr, Firm of G., Munich, Germany. Beer. No. 96,334; Apr. 14; Gaz. vol. 201; p. 566.
- Pschorr, Firm of G., Munich, Germany. Beer, beer poor in alcohol, and malt extracts. No. 99,905; Sept. 22; Gaz. vol. 206; p. 1159.
- Public Service Co., Harrisburg, Pa. Paper drinking-cups. No. 95,011; Jan. 20; Gaz. vol. 198; p. 700.
- Puchalski, Feliks, Chicago, Ill. Liniments. No. 95,012; Jan. 20; Gaz. vol. 198; p. 700.
- Pullman Mfg. Company, Rochester, N. Y. Sash-balances. No. 100,154; Oct. 6; Gaz. vol. 207; p. 295.
- Punch, David T., trustee. (See Mendelsohn, Abraham, assignor.)
- Puncture Cure Sales Co., Newark, N. J. Puncture-sealing compositions for pneumatic tires. No. 101,007; Nov. 3; Gaz. vol. 208; p. 335.
- Puncture Seal Manufacturing Company, Dayton, Ohio. Puncture-proofing substance for the inner tube of a pneumatic tire. No. 101,529; Dec. 22; Gaz. vol. 209; p. 1314.
- Purabla Oil Company, West Hoboken, N. J., and Blue Point, N. Y. Sesame-oil. No. 101,048; Nov. 10; Gaz. vol. 208; p. 651.
- Purcell, Isaac S., Oak Park and Chicago, Ill. Pianos. No. 99,064; Aug. 11; Gaz. vol. 205; p. 659.
- Purified Petroleum Products Co. of Illinois, Dover, Del., and Chicago, Ill. Gasolene, kerosene, and naphtha. No. 97,724; June 16; Gaz. vol. 203; p. 923.
- Puritan Coconut Butter Co., Philadelphia, Pa. Coconut-oil products. No. 99,359; Aug. 25; Gaz. vol. 205; p. 1320.
- Purity Yeast Company, Beresford, S. D. Yeast. No. 99,785; Sept. 15; Gaz. vol. 206; p. 872.
- Pyle-National Electric Headlight Company, Chicago, Ill. Electric headlights, driving, &c., devices therefor. No. 101,254; Nov. 17; Gaz. vol. 208; p. 983.
- Pyramid Drug Co., Marshall, Mich. Pile remedy. No. 95,034; Jan. 27; Gaz. vol. 198; p. 895.
- Pyrene Manufacturing Co., New York, N. Y. Fire-extinguishing compounds. No. 98,812; Aug. 4; Gaz. vol. 205; p. 299.
- Pyrene Manufacturing Co., New York, N. Y. Syringes for fire-extinguishing compounds. No. 98,965; Aug. 11; Gaz. vol. 205; p. 656.
- Pyrography Art Company, Dixon, Ill. Salve. No. 98,966; Aug. 11; Gaz. vol. 205; p. 656.
- Q. R. S. Company, Chicago, Ill. Perforated note-sheets for automatic musical instruments. No. 97,274; May 26; Gaz. vol. 202; p. 1255.
- Quaker City Chocolate and Confectionery Company, Inc., Philadelphia, Pa. Chocolates. No. 99,239; Aug. 25; Gaz. vol. 205; p. 1316.
- Quaker City Chocolate and Confectionery Company, Inc., Philadelphia, Pa. Candy. No. 99,240; Aug. 25; Gaz. vol. 205; p. 1316.
- Quaker Cleanser Co., Plainfield, N. J. Cleaner and polisher for woodwork. No. 98,419; July 14; Gaz. vol. 204; p. 671.
- Quality Tailoring Co. of N. Y., Inc., New York, N. Y. Men's and young men's outer clothing. No. 100,728; Oct. 20; Gaz. vol. 207; p. 933.
- Queen City Specialty Company, Buffalo, N. Y. Furniture and automobile polishes. No. 99,629; Sept. 8; Gaz. vol. 206; p. 585.
- Quigley, Marmion, Cincinnati, Ohio. Carbon boiler-cleaner. No. 95,013; Jan. 20; Gaz. vol. 198; p. 700.
- Quimby, George A., Laconia, N. H. Certain named pharmaceutical preparations. No. 99,497; Sept. 1; Gaz. vol. 206; p. 309.
- Quirk Bros., Seattle, Wash. Coffee. No. 97,648; June 16; Gaz. vol. 203; p. 920.
- Quivey, Daniel O., La Fayette, Ind. Carpet and rug cleaning composition. No. 96,335; Apr. 14; Gaz. vol. 201; p. 566.
- R. Blankenburg Company, The, Philadelphia, Pa. Cotton comforts. No. 98,855; Aug. 4; Gaz. vol. 205; p. 300.
- R. Walker & Sons Limited, Leicester, England. Blouses, aprons, leggings, bodices, &c. No. 97,923; June 23; Gaz. vol. 203; p. 1258.
- R. Walker & Sons Ltd., Leicester, England. Certain named clothing. No. 97,191; May 19; Gaz. vol. 202; p. 950.
- R. B. Grainger Distilling Co., Inc., Louisville, Ky. Whisky. No. 97,237; May 26; Gaz. vol. 202; p. 1254.
- R. E. Dietz Company, New York, N. Y. Certain named lamps, lanterns, and burners. No. 98,643; July 28; Gaz. vol. 204; p. 1340.
- R. E. Dietz Company, New York, N. Y. Burners for lamps and lanterns. No. 99,201; Aug. 25; Gaz. vol. 205; p. 1315.

Alphabetical list of registrants of trade-marks—Continued.

- R. F. Johnston Paint Co., The, Cincinnati, Ohio. Substance for polishing surfaces. No. 95,435; Feb. 17; Gaz. vol. 199; p. 934.
- R. & H. Manufacturing Company, The, Hartford, Conn. Vending and dispensing machines. No. 98,089; June 30; Gaz. vol. 203; p. 1553.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. Cigarettes, cigars, and smoking-tobacco. No. 100,156; Oct. 6; Gaz. vol. 207; p. 295.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. Tobacco, cigars, and cigarettes. No. 101,328; Nov. 24; Gaz. vol. 208; p. 1353.
- R. J. Strassenburgh Company, Rochester, N. Y. Certain named chemicals, medicines, and pharmaceutical products. No. 97,184; May 19; Gaz. vol. 202; p. 949.
- R. L. Watkins Company, The, Cleveland, Ohio. Dandruff remedy. No. 98,598; July 21; Gaz. vol. 204; p. 1009.
- R. M. Hollingshead Co., The, Camden, N. J. Insecticide. No. 94,816; Jan. 6; Gaz. vol. 198; p. 235.
- R. M. Hollingshead Co., The, Camden, N. J. Cements for rubber, &c., glue, library-paste, and sealing-wax. No. 98,778; Aug. 4; Gaz. vol. 205; p. 298.
- R. M. Hollingshead Co., The, Camden, N. J. Edge, leather, and writing inks. No. 99,049; Aug. 11; Gaz. vol. 205; p. 659.
- R. M. Hollingshead Co., The, Camden, N. J. Certain paints, varnishes, stains, enamels, &c. No. 99,310; Aug. 25; Gaz. vol. 205; p. 1318.
- R. M. Hollingshead Co., Camden, N. J. Polishes, dressers, and shoe-cleansers, &c. No. 99,882; Sept. 22; Gaz. vol. 206; p. 1158.
- R. M. Hollingshead Co., The, Camden, N. J. Liniment, ammonia, cough-syrup, and disinfectants. No. 100,821; Oct. 27; Gaz. vol. 207; p. 1243.
- R. M. Rose Company, Chattanooga, Tenn. Gin. No. 96,046; Mar. 31; Gaz. vol. 200; p. 1387.
- R. M. Rose Company, Chattanooga, Tenn. Whisky. No. 96,047; Mar. 31; Gaz. vol. 200; p. 1387.
- R. M. Rose Company, Chattanooga, Tenn. Wines. No. 96,192; Apr. 7; Gaz. vol. 201; p. 264.
- R. M. Rose Company, Chattanooga, Tenn. Blended whisky. Nos. 96,343-5; Apr. 14; Gaz. vol. 201; p. 566.
- R. M. Rose Company, Chattanooga, Tenn. Certain named distilled alcoholic liquors. No. 96,831; May 5; Gaz. vol. 202; p. 310.
- Radermacher, John L., New York, N. Y. Mattresses. No. 96,828; May 5; Gaz. vol. 202; p. 310.
- Radical Remedy Co., New York, N. Y. Remedy for certain named diseases. No. 97,353; June 2; Gaz. vol. 203; p. 298.
- Radio Company, The, Los Angeles, Cal. Spray used as an insecticide. No. 94,829; Jan. 6; Gaz. vol. 198; p. 236.
- Radio Company, Brooklyn, N. Y. Furniture-polishing oil. No. 98,967; Aug. 11; Gaz. vol. 205; p. 656.
- Rahna Company, Spokane, Wash. Non-alcoholic carbonated beverages. No. 101,491; Dec. 15; Gaz. vol. 209; p. 1050.
- Rainey, Boyd E., St. Louis, Mo. Furnaces for heating buildings. No. 101,202; Nov. 17; Gaz. vol. 208; p. 981.
- Rajah Auto Supply Company, Bloomfield, N. J. Spark-plug insulators. No. 95,661; Mar. 3; Gaz. vol. 200; p. 275.
- Ramco Manufacturing Company, Schenectady, N. Y. Vending-machines, knife-sharpeners, and egg-beaters. Nos. 101,324-6; Nov. 24; Gaz. vol. 208; p. 1353.
- Ramey Co., Chillicothe, Ohio. Vacuum cleaners and sweepers. No. 100,026; Sept. 29; Gaz. vol. 206; p. 1433.
- Ramey & Sons, George W., Speers Ferry, Va. Remedy for certain named diseases. No. 101,417; Dec. 8; Gaz. vol. 209; p. 681.
- Ramsdell Drug Company, New York, N. Y. Toilet cologne. No. 94,936; Jan. 13; Gaz. vol. 198; p. 491.
- Ramsdell Drug Company, New York, N. Y. Cold-cream. No. 94,937; Jan. 13; Gaz. vol. 198; p. 491.
- Ramsdell Drug Company, New York, N. Y. Shampoo-cream. No. 95,263; Feb. 3; Gaz. vol. 199; p. 303.
- Ramsdell Drug Company, New York, N. Y. Shampooing preparations. No. 101,203; Nov. 17; Gaz. vol. 208; p. 981.
- Ramsdell Drug Company, New York, N. Y. Certain named pharmaceutical preparations. No. 101,204; Nov. 17; Gaz. vol. 208; p. 981.
- Ramsdell Drug Company, New York, N. Y. Toilet lotion and headache-powders. No. 101,205; Nov. 17; Gaz. vol. 208; p. 981.
- Randall-Faichney Co., The, Boston, Mass. Certain named surgical appliances and veterinary instruments. No. 100,409; Oct. 20; Gaz. vol. 207; p. 924.
- Randall-Faichney Company, The, Boston, Mass. Syringe apparatus for treating hog-cholera. No. 95,560; Feb. 24; Gaz. vol. 199; p. 1240.
- Randall-Faichney Company, Boston, Mass. Spark-plugs. No. 96,336; Apr. 14; Gaz. vol. 201; p. 566.
- Randolph Milling Company, Baldwin, Ill. Wheat-flour. No. 98,006; June 30; Gaz. vol. 203; p. 1551.
- Randolph Milling Company, Baldwin, Ill. Wheat-flour. No. 98,087; June 30; Gaz. vol. 203; p. 1553.
- Randolph Milling Company, Baldwin, Ill. Wheat-flour. No. 98,420; July 14; Gaz. vol. 204; p. 671.
- Ranelagh Tobacco Company, The, New York, N. Y. Cigarettes. No. 100,155; Oct. 6; Gaz. vol. 207; p. 295.
- Rapoport, Jacob, New York, N. Y. Periodical. No. 97,890; June 23; Gaz. vol. 203; p. 1257.
- Rapp Mfg. Co., The, Toledo, Ohio. Spark-plugs and parts thereof. No. 96,337; Apr. 14; Gaz. vol. 201; p. 566.
- Rapson, John S., Elkins Park, Pa. Rubber erasers. No. 98,318; July 7; Gaz. vol. 204; p. 315.
- Ratner, Aaron, New York, N. Y. Ladies' and children's muslin undergarments. No. 98,894; Aug. 4; Gaz. vol. 205; p. 302.
- Ratner, Aaron, New York, N. Y. Certain named ladies' and children's clothing. No. 101,049; Nov. 10; Gaz. vol. 208; p. 651.
- Raub, Maria M., Brooklyn, N. Y. Chewing-gum. No. 95,561; Feb. 24; Gaz. vol. 199; p. 1240.
- Rawak, George, New York, N. Y. Ladies' hats. No. 99,118; Aug. 18; Gaz. vol. 205; p. 1016.
- Rawlings Bros., Ltd., London, England. Plugs for fixing screws in plaster, brick, slate, &c. No. 100,724; Oct. 20; Gaz. vol. 207; p. 933.
- Raymond Porch Shade Company, Richmond, Ind. Porch and window shades and furniture-screens. No. 95,662; Mar. 3; Gaz. vol. 200; p. 275.
- Rayvio Water Co., Chicago, Ill. Natural filtered drinking-water. No. 96,181; Apr. 7; Gaz. vol. 201; p. 264.
- Re-Nu Mfg. Co., Philadelphia, Pa. Cleansing-powder dissolved in water and used as a false-hair wash. No. 94,831; Jan. 6; Gaz. vol. 198; p. 236.
- Rea & Page Milling Co., Marshall, Mo. Wheat-flour. No. 96,182; Apr. 7; Gaz. vol. 201; p. 264.
- Rea & Page Milling Co., Marshall, Mo. Wheat-flour. No. 99,241; Aug. 25; Gaz. vol. 205; p. 1316.
- Read, Newton N., Owosso, Mich. Preparation for tuberculosis. No. 101,206; Nov. 17; Gaz. vol. 208; p. 981.
- Reckitts (U. S. A.), Ltd., Hull, England; New York, N. Y., and New Brunswick, N. J. Bluing for laundry purposes. No. 95,014; Jan. 20; Gaz. vol. 198; p. 700.
- Reckitts (U. S. A.), Ltd., New York, N. Y. Blue and laundry articles containing blue. No. 101,207; Nov. 17; Gaz. vol. 208; p. 981.
- Red Cross Chemical Co., The, New York, N. Y. Liniment. No. 97,725; June 16; Gaz. vol. 203; p. 923.
- Red Diamond Clothing Co., St. Louis, Mo. Men's and boys' outer shirts and children's rompers. No. 101,008; Nov. 3; Gaz. vol. 208; p. 335.
- Red Wing Milling Company, Red Wing, Minn. Wheat-flour. No. 98,813; Aug. 4; Gaz. vol. 205; p. 299.
- Redbanks Orchard Company, Visalia, Cal. Grapes. No. 96,829; May 5; Gaz. vol. 202; p. 310.
- Reeder & Son, Oliver, Baltimore, Md. Ready-mixed paints. No. 95,473; Feb. 17; Gaz. vol. 199; p. 935.
- Reese Chemical Company, The, Cleveland, Ohio. Tablets for purifying and nourishing the blood and invigorating the nervous system. No. 101,418; Dec. 8; Gaz. vol. 209; p. 681.
- Reese Co., Inc., The, Memphis, Tenn. Perfumed antiseptic bath-tablets. No. 101,208; Nov. 17; Gaz. vol. 208; p. 981.
- Reetz, William, Chicago, Ill. Mufflers. No. 94,938; Jan. 13; Gaz. vol. 198; p. 491.
- Reeve, William R., Boston, Mass. Tonic bitters. No. 99,119; Aug. 18; Gaz. vol. 205; p. 1016.
- Refractory Zinc Ore Treatment Company, New York, N. Y. Spelters. No. 101,419; Dec. 8; Gaz. vol. 209; p. 681.
- Regal Shoe Company, Boston, Mass. Shoe buttoners and horns. No. 95,663; Mar. 3; Gaz. vol. 200; p. 275.
- Regal Shoe Company, Boston, Mass. Shoe-lacings. No. 95,664; Mar. 3; Gaz. vol. 200; p. 275.
- Regents Mercantile Corporation, St. Louis, Mo. Pastes and powders for toilet purposes, sea-salt, and baking-powder. No. 101,593; Dec. 29; Gaz. vol. 209; p. 1688.
- Regesan Ltd., London, England. Certain medicinal and pharmaceutical preparations. No. 98,198; July 7; Gaz. vol. 204; p. 311.
- Regina Feather Company, New York, N. Y. Feathers. No. 94,830; Jan. 6; Gaz. vol. 198; p. 236.
- Regina Flour Mill Company, St. Louis, Mo. Wheat-flour. No. 101,530; Dec. 22; Gaz. vol. 209; p. 1314.
- Reifschneider, Pearl E., Lawton, Okla. Toilet preparation to prevent perspiration under arms, &c. No. 100,027; Sept. 29; Gaz. vol. 206; p. 1433.
- Reilly, Edward J., Baltimore, Md. Paste for millinery purposes. No. 98,814; Aug. 4; Gaz. vol. 205; p. 299.
- Reilly, Edward J., Baltimore, Md. Liquid dyes for shoes, satchels, belts, &c. No. 101,009; Nov. 3; Gaz. vol. 208; p. 335.
- Reilly, James W., Buffalo, N. Y. Spool-holder to be used during crocheting. No. 95,474; Feb. 17; Gaz. vol. 199; p. 935.
- Reilly, James W., Buffalo, N. Y. Metal plate for the relief of asthma. No. 95,665; Mar. 3; Gaz. vol. 200; p. 275.
- Reinhardt, Max P., London, England. Compound to free boilers and their supply-water from sediments. No. 99,630; Sept. 8; Gaz. vol. 206; p. 586.
- Reisch Brewing Co., Springfield, Ill. Malt beverage. No. 96,183; Apr. 7; Gaz. vol. 201; p. 264.
- Reith, Chester F., St. Louis, Mo. Leather shoes. No. 96,716; Apr. 28; Gaz. vol. 201; p. 1216.

Alphabetical list of registrants of trade-marks—Continued.

- Reitz, Chas. J., Buffalo, N. Y. Carbon-remover. No. 96,184; Apr. 7; Gaz. vol. 201; p. 264.
- Reliance Buggy Co., St. Louis, Mo. Carriages and buggies. No. 100,619; Oct. 20; Gaz. vol. 207; p. 930.
- Reliance Buggy Co., St. Louis, Mo. Carriages and buggies. No. 100,887; Oct. 27; Gaz. vol. 207; p. 1245.
- Reliance Gas Mantle Company, New York, N. Y. Gas-mantles. No. 100,888; Oct. 27; Gaz. vol. 207; p. 1245.
- Reliance Manufacturing Company, Chicago, Ill. Work-shirts. Nos. 95,475-6; Feb. 17; Gaz. vol. 199; p. 935.
- Reliance Mfg. Co., Rock Stream, N. Y. Baking powder and soda. No. 100,620; Oct. 20; Gaz. vol. 207; p. 930.
- Remedy Sales Corporation, Charlotte, N. C. Remedy for headache, toothache, and neuralgia. No. 99,120; Aug. 18; Gaz. vol. 205; p. 1016.
- Remien & Kuhnert Co., Chicago, Ill. Varnish. No. 101,327; Nov. 24; Gaz. vol. 208; p. 1353.
- Remy, Schmidt & Pleissner, New York, N. Y. Certain named household linen. No. 99,631; Sept. 8; Gaz. vol. 206; p. 586.
- Renfrew Mfg Co., Adams, Mass. Cotton piece goods. No. 101,050; Nov. 10; Gaz. vol. 208; p. 651.
- Renouard-Larivière & Cie., Paris, France. Melissa water. No. 101,492; Dec. 15; Gaz. vol. 209; p. 1050.
- Repelow, Max A., Elmhurst, N. Y. Card telephone-indexes in blank form. No. 101,474; Dec. 15; Gaz. vol. 209; p. 1050.
- Reproduction Co., The, New York, N. Y. Felt pennants. No. 95,666; Mar. 3; Gaz. vol. 200; p. 275.
- Republic Rubber Company, Youngstown, Ohio. Elastic tires. No. 101,531; Dec. 22; Gaz. vol. 209; p. 1314.
- Resilia Corporation, The, San Francisco, Cal. Compound for cleaning and softening rubber and rubber products. No. 99,121; Aug. 18; Gaz. vol. 205; p. 1016.
- Resisto Luggage Co., Newark, N. J. Suitcases, trunks, and traveling-bags. No. 95,350; Feb. 10; Gaz. vol. 199; p. 613.
- Ressel, Josef, Rückersdorf, near Friedland, Austria-Hungary. Cotton and woolen piece goods. No. 97,354; June 2; Gaz. vol. 203; p. 298.
- Reusser, Fritz, New York, N. Y. Sauce for oysters, shell-fish, salad-dressings, and foodstuffs. No. 99,242; Aug. 25; Gaz. vol. 205; p. 1316.
- Reussow & Troy, Mohawk, N. Y. Bread. No. 100,621; Oct. 20; Gaz. vol. 207; p. 930.
- Revere Rubber Company, Providence, R. I., and Chelsea, Mass. Rubber heels for boots and shoes. No. 96,338; Apr. 14; Gaz. vol. 201; p. 566.
- Revere Rubber Company, Providence, R. I., and Chelsea, Mass. Rubber soles for boots and shoes. No. 99,632; Sept. 8; Gaz. vol. 206; p. 586.
- Reyillon Frères, New York, N. Y. Certain named clothing. No. 96,339; Apr. 14; Gaz. vol. 201; p. 566.
- Rex - Conservenglas - Gesellschaft Leonhardt & Kleemann, Homburg-on-the-Höhe, Germany. Preserve-glasses. No. 96,994; May 12; Gaz. vol. 202; p. 629.
- Rex Extract Company, Esopus and New York, N. Y. Flavoring for ice-cream and other confections and food products. No. 98,421; July 14; Gaz. vol. 204; p. 671.
- Rey-Jouvin Freres et Co., Grenoble, France. Gloves. No. 96,717; Apr. 28; Gaz. vol. 201; p. 1216.
- Reymer & Brothers, Incorporated, Pittsburgh, Pa. Chocolates. No. 99,633; Sept. 8; Gaz. vol. 206; p. 586.
- Reynolds-Browne Co., The, Dover, Del., and Chicago, Ill. Electric lamps for vehicles. No. 95,477; Feb. 17; Gaz. vol. 199; p. 935.
- Reynolds-Browne Company, The, Dover, Del., and Chicago, Ill. Electric lamps for vehicles. No. 95,562; Feb. 24; Gaz. vol. 199; p. 1240.
- Reynolds Corporation, Bristol, Tenn. Cleanser. No. 99,906; Sept. 22; Gaz. vol. 206; p. 1159.
- Reynolds Corporation, The, Bristol, Tenn. Polish for glass and metals. No. 100,411; Oct. 20; Gaz. vol. 207; p. 924.
- Reynolds, Harrie N., New York, N. Y. Germicide for the digestive tracts. No. 95,717; Mar. 3; Gaz. vol. 200; p. 276.
- Reynolds, James N., Lindsay, Cal. Citrus fruits. No. 95,943; Mar. 24; Gaz. vol. 200; p. 1111.
- Reynolds, James N., Lindsay, Cal. Citrus fruits. No. 96,185; Apr. 7; Gaz. vol. 201; p. 264.
- Reynolds, James N., Lindsay, Cal. Citrus fruits. No. 96,607; Apr. 21; Gaz. vol. 201; p. 901.
- Reynolds Wire Co., Dixon, Ill. Wire screen-cloth. No. 100,157; Oct. 6; Gaz. vol. 207; p. 295.
- Rheims & Auscher, Paris, France. Mechanical devices for operating carriage-door window-sashes. No. 96,340; Apr. 14; Gaz. vol. 201; p. 566.
- Rheuma Chemical Co., St. Paul, Minn. Preparations for rheumatism, gout, gripe, and colds. No. 96,460; Apr. 21; Gaz. vol. 201; p. 897.
- Rheumolum Chem. Co., Seattle, Wash. Solid liniment in collapsible tubes. No. 100,624; Oct. 20; Gaz. vol. 207; p. 930.
- Rhoades, William R., Cement, Okla. Preparation for the treatment of rheumatism. No. 95,783; Mar. 10; Gaz. vol. 200; p. 578.
- Rhoads & Sons, J. E., Philadelphia, Pa., and Wilmington, Del. Certain belting, cord, and lacing. No. 95,667; Mar. 3; Gaz. vol. 200; p. 275.
- Rhodes, Albert V., Tacoma, Wash. Antiseptic for cleaning, deodorizing, and disinfecting. No. 99,402; Aug. 25; Gaz. vol. 205; p. 1321.
- Rhu-Lum-Gou Co., New York, N. Y. Rheumatism specific and a medicinal tonic. No. 100,889; Oct. 27; Gaz. vol. 207; p. 1245.
- Rhubaral Company, The, Wheeling, W. Va. Remedy for diseased conditions or catarrhal affections of certain organs. No. 97,440; June 2; Gaz. vol. 203; p. 301.
- Ricchezza, Antonio, Philadelphia, Pa. Macaroni, vermicelli, and spaghetti. No. 98,695; July 28; Gaz. vol. 204; p. 1341.
- Rice & Hutchins, Incorporated, Portland, Me., and Boston, Mass. Leather shoes. No. 97,078; May 19; Gaz. vol. 202; p. 946.
- Rice, May C., Chicago, Ill. Health-food biscuit. No. 94,939; Jan. 13; Gaz. vol. 198; p. 491.
- Rice-Stix Dry Goods Company, St. Louis, Mo. Certain named men's and boys' clothing. No. 97,355; June 2; Gaz. vol. 203; p. 298.
- Rice-Stix Dry Goods Company, St. Louis, Mo. Men's and boys' hosiery. No. 99,634; Sept. 8; Gaz. vol. 206; p. 586.
- Rice-Stix Dry Goods Company, St. Louis, Mo. Carpet-warps. No. 100,412; Oct. 20; Gaz. vol. 207; p. 924.
- Rice-Stix Dry Goods Company, St. Louis, Mo. Certain named clothing for men and boys. No. 100,413; Oct. 20; Gaz. vol. 207; p. 924.
- Rice-Stix Dry Goods Company, St. Louis, Mo. Cotton piece goods. No. 101,420; Dec. 8; Gaz. vol. 209; p. 681.
- Rich Tool Company, Chicago, Ill. Reamers and drills. No. 96,906; May 5; Gaz. vol. 202; p. 313.
- Rich Tool Company, Chicago, Ill. Metallic valves. No. 98,422; July 14; Gaz. vol. 204; p. 671.
- Richard Hudnut, New York, N. Y. Perfume, toilet water, face cream and powder, &c. No. 95,430; Feb. 17; Gaz. vol. 199; p. 934.
- Richard Hudnut, New York, N. Y. Dry sachet-perfumes. No. 96,676; Apr. 28; Gaz. vol. 201; p. 1214.
- Richard Hudnut, New York, N. Y. Certain named pharmaceutical preparations. No. 99,884; Sept. 22; Gaz. vol. 206; p. 1158.
- Richard Hudnut, New York, N. Y. Nail-polish. Nos. 100,552-3; Oct. 20; Gaz. vol. 207; p. 928.
- Richard Hudnut, New York, N. Y. Cold-creams and nail-polish. No. 101,392; Dec. 8; Gaz. vol. 209; p. 680.
- Richards-Glover Company, Dallas, Tex. Toilet-paper, paper towels, napkins, and table-cloths. No. 98,815; Aug. 4; Gaz. vol. 205; p. 299.
- Richards-Wilcox Mfg. Co., Aurora, Ill. Door-hangers. No. 94,940; Jan. 13; Gaz. vol. 198; p. 491.
- Richardson, A. H., Fond du Lac, Wis. Poultice-powder antiseptic absorbent for allaying inflammation. No. 98,199; July 7; Gaz. vol. 204; p. 311.
- Richardson Dry Goods Co., St. Joseph, Mo. Hosiery. No. 95,229; Feb. 3; Gaz. vol. 199; p. 302.
- Richardson, Ray A., Salt Lake City, Utah. Cocoa. No. 98,007; June 30; Gaz. vol. 203; p. 1551.
- Richmond & Backus Co., Detroit, Mich. Ledger-leaf paper. No. 97,891; June 23; Gaz. vol. 203; p. 1257.
- Richmond Cedar Works, Richmond, Va. Laundry-washing machines. No. 97,781; June 16; Gaz. vol. 203; p. 924.
- Richmond Chemical Co., Wheeling, W. Va. Hand fire-extinguishers. No. 98,895; Aug. 4; Gaz. vol. 205; p. 302.
- Richmond Radiator Company, New York, N. Y. Vacuum-cleaners. Nos. 100,415-16; Oct. 20; Gaz. vol. 207; p. 924.
- Richmond Radiator Company, New York, N. Y. Vacuum-cleaners. No. 100,618; Oct. 20; Gaz. vol. 207; p. 930.
- Richmond Radiator Company, New York, N. Y. Coal, wood, or gas boilers, warm-air furnaces and registers, radiators. No. 101,210; Nov. 17; Gaz. vol. 208; p. 981.
- Richter, Hermann, Denver, Colo. Embroidery. No. 100,623; Oct. 20; Gaz. vol. 207; p. 930.
- Rider Packing Co., Inc., Crothersville, Ind. Certain named foods. No. 101,421; Dec. 8; Gaz. vol. 209; p. 681.
- Riker & Hegeman Co., New York, N. Y. Medicinal oil for constipation. No. 100,028; Sept. 29; Gaz. vol. 206; p. 1434.
- Riley - Klotz Manufacturing Company, Newark, N. J. Electrical horns for motor cars and cycles and other vehicles. No. 101,010; Nov. 3; Gaz. vol. 208; p. 335.
- Riley-Pennsylvania Oil Company, Burlington, Iowa. Illuminating-oils. No. 96,186; Apr. 7; Gaz. vol. 201; p. 264.
- Riley Shoe Manufacturing Co., The, Columbus, Ohio. Shoes. No. 101,594; Dec. 29; Gaz. vol. 209; p. 1688.
- Riley Shoe Manufacturing Company, The, Columbus, Ohio. Leather boots and shoes. No. 97,504; June 9; Gaz. vol. 203; p. 596.
- Riley Shoe Manufacturing Company, Columbus, Ohio. Leather boots and shoes. No. 98,968; Aug. 11; Gaz. vol. 205; p. 656.
- Rinaldi, Romeo, Jersey City, N. J. Ointments and salves. No. 99,787; Sept. 15; Gaz. vol. 206; p. 872.
- Rincheval, Octavie, Paris, France. Welding-torches and apparatus for cutting metals, &c. No. 99,243; Aug. 25; Gaz. vol. 205; p. 1316.

Alphabetical list of registrants of trade-marks—Continued.

- Rindskopf, Henry P., New York, N. Y. Diapers and infants' pants of waterproof fabric. No. 95,848; Mar. 17; Gaz. vol. 200; p. 854.
- Rindskopf, Henry P., New York, N. Y. Dress-shields. Nos. 96,187-8; Apr. 7; Gaz. vol. 201; p. 264.
- Rindskopf, Henry P., New York, N. Y. Dress-shields. No. 96,341; Apr. 14; Gaz. vol. 201; p. 566.
- Rindskopf, Henry P., New York, N. Y. Bath and toilet novelties. No. 97,559; June 9; Gaz. vol. 203; p. 598.
- Rippen, Firm of H., Perth Amboy, N. J. Coffee. No. 100,890; Oct. 27; Gaz. vol. 207; p. 1245.
- Ristorcelli, Angel J., New York, N. Y. Medicaments for treating hair. Nos. 98,365-6; July 21; Gaz. vol. 204; p. 1008.
- Ritchie, Alexander G., New York, N. Y. Handkerchiefs and serviettes. No. 100,622; Oct. 20; Gaz. vol. 207; p. 930.
- Robb, John W., Philadelphia, Pa. Tooth powder, paste, and wash and face-cream. No. 99,788; Sept. 15; Gaz. vol. 206; p. 872.
- Robert A. Johnston Co., Milwaukee, Wis. Crackers, biscuits, and cakes. No. 97,618; June 16; Gaz. vol. 203; p. 920.
- Robert A. Johnston Co., Milwaukee, Wis. Biscuits and pastry. No. 98,397; July 14; Gaz. vol. 204; p. 670.
- Robert A. Wooldridge Co., The, Baltimore, Md. Fertilizer. No. 95,187; Feb. 3; Gaz. vol. 199; p. 301.
- Robert A. Wooldridge Company, The, Baltimore, Md. Fertilizers. No. 99,673; Sept. 8; Gaz. vol. 206; p. 587.
- Robert, L. F. (See Gauvreau, Joseph R. L., assignor.)
- Robert Melrose and Company, Limited, Edinburgh, Scotland. Tea. No. 100,855; Oct. 27; Gaz. vol. 207; p. 1244.
- Robert Reis & Co., New York, N. Y. Underwear. Nos. 96,603-6; Apr. 21; Gaz. vol. 201; p. 901.
- Robert Reis & Co., New York, N. Y. Underwear. No. 98,692; July 28; Gaz. vol. 204; p. 1341.
- Robert Reis & Co., New York, N. Y. Certain named clothing. Nos. 98,693-4; July 28; Gaz. vol. 204; p. 1341.
- Robert Zinn & Co., Gesellschaft mit beschränkter Haftung, Barmen-Rittershausen, Germany. Shoe-eyelets, hooks, buttons, buckles, &c. No. 100,690; Oct. 20; Gaz. vol. 207; p. 932.
- Robertson, William H., Wright, Wash. Natural mineral water. No. 96,189; Apr. 7; Gaz. vol. 201; p. 264.
- Robins Conveying Belt Company, Passaic, N. J., and New York, N. Y. Conveying mechanism and parts thereof. No. 98,896; Aug. 4; Gaz. vol. 205; p. 302.
- Robins, Martha E., Richmond, Va. Liver-pills. No. 95,563; Feb. 24; Gaz. vol. 199; p. 1240.
- Robins, Martha E., Richmond, Va. Tablets for dyspepsia and obstinate constipation. No. 96,461; Apr. 21; Gaz. vol. 201; p. 897.
- Robins, Martha E., Richmond, Va. Tablets for malaria and colds. No. 96,907; May 5; Gaz. vol. 202; p. 313.
- Robins, Martha E., Richmond, Va. Antirheumatic, antacid, and alkaline laxative. No. 98,009; June 30; Gaz. vol. 203; p. 1551.
- Robins, Max, Chicago, Ill. Internal remedy for gonorrhea and diseases of the kidneys and bladder. No. 96,908; May 5; Gaz. vol. 202; p. 313.
- Robinson Chemical Co., C. B., Los Angeles, Cal. Preparations for the treatment of headache, catarrh, piles, &c. No. 99,172; Aug. 18; Gaz. vol. 205; p. 1018.
- Robinson & Co., Richmond, Ind. Ensilage-cutters or silo-fillers and baling-presses. No. 100,029; Sept. 29; Gaz. vol. 206; p. 1434.
- Robinson & Company, J., New York, N. Y. Kerchiefs and handkerchiefs. No. 98,567; July 21; Gaz. vol. 204; p. 1008.
- Robinson, James S., Memphis, Tenn. Prepared food for infants. No. 95,945; Mar. 24; Gaz. vol. 200; p. 1111.
- Robinson-McGill Mfg. Co., Shelbyville, Tenn. Harness, horse-collars, harness and baggage straps. No. 96,718; Apr. 28; Gaz. vol. 201; p. 1216.
- Robt. F. Mackenzie Co., The, Cleveland, Ohio. Candy. No. 97,990; June 30; Gaz. vol. 203; p. 1550.
- Robt. F. Mackenzie Co., The, Cleveland, Ohio. Candy. Nos. 98,674-5; July 28; Gaz. vol. 204; p. 1341.
- Robt. F. Mackenzie Co., The, Cleveland, Ohio. Candy. No. 99,608; Sept. 8; Gaz. vol. 206; p. 585.
- Rocha, Antonio, Tampa, Fla. Cigars and cigarettes. No. 97,892; June 23; Gaz. vol. 203; p. 1257.
- Rochester Baking Co., Rochester, N. Y. Bread. No. 101,211; Nov. 17; Gaz. vol. 208; p. 981.
- Rochester Carrier Co., Rochester, N. Y. Paper or fiber baskets. No. 99,173; Aug. 18; Gaz. vol. 205; p. 1018.
- Rochester Carrier Co., Rochester, N. Y. Paper or fiber cartons, boxes, or containers. No. 99,499; Sept. 1; Gaz. vol. 206; p. 309.
- Rock Island Brewing Co., Rock Island, Ill. Non-alcoholic carbonated malt beverage. No. 101,012; Nov. 3; Gaz. vol. 208; p. 335.
- Rock Island Brewing Co., Rock Island, Ill. Carbonated non-alcoholic beverage of hop nature. No. 101,532; Dec. 22; Gaz. vol. 209; p. 1314.
- Rock Island Stove Company, Rock Island, Ill. Stoves and ranges. No. 100,417; Oct. 20; Gaz. vol. 207; p. 924.
- Rocke, Johannes, Leipzig, Germany. Driers for lithographic and book printing-colors. No. 95,479; Feb. 17; Gaz. vol. 199; p. 936.
- Rockefeller Institute for Medical Research, The, New York, N. Y. Preparation used in diagnosing syphilis. No. 98,088; June 30; Gaz. vol. 203; p. 1553.
- Rockefeller Soap Co., Brooklyn, N. Y. Laundry soap. No. 95,264; Feb. 3; Gaz. vol. 199; p. 303.
- Rockefeller Soap Company, Brooklyn, N. Y. Laundry soap. No. 97,441; June 2; Gaz. vol. 203; p. 301.
- Rockrohr, William A., Chicago, Ill. Rubber putty for repairing rubber articles. No. 100,418; Oct. 20; Gaz. vol. 207; p. 924.
- Rodgers, Louis E., Chicago, Ill. Driers for clay products, lumber, &c., containing moisture. No. 101,422; Dec. 8; Gaz. vol. 209; p. 681.
- Rodman Chemical Company, East Pittsburgh, Pa. Case-hardening materials. No. 99,789; Sept. 15; Gaz. vol. 206; p. 872.
- Roederer, Léon O., Rheims, France. Champagne-wine. No. 96,996; May 12; Gaz. vol. 202; p. 629.
- Roessler & Hasslacher Chemical Co., The, New York, N. Y. Cyanid salts for metallurgical, &c., uses. No. 97,782; June 16; Gaz. vol. 203; p. 924.
- Roethlisberger & Co., New York, N. Y. Olive-oil. No. 98,010; June 30; Gaz. vol. 203; p. 1551.
- Roethlisberger, Hans, San Francisco, Cal. Cheese. No. 99,065; Aug. 11; Gaz. vol. 205; p. 659.
- Rogers, Amos, Ottawa, Ontario, Canada. Remedy for certain named diseases. No. 96,719; Apr. 28; Gaz. vol. 201; p. 1216.
- Rogers, Amos, Ottawa, Canada. Blood restorative. No. 100,158; Oct. 6; Gaz. vol. 207; p. 295.
- Rogers, Amos, Ottawa, Canada. Ointment. No. 100,159; Oct. 6; Gaz. vol. 207; p. 295.
- Rogers Peet Company, New York, N. Y. Outer suits and overcoats. No. 95,149; Feb. 3; Gaz. vol. 199; p. 300.
- Rogers Peet Company, New York, N. Y. Certain named clothing for men and boys. No. 95,351; Feb. 10; Gaz. vol. 199; p. 613.
- Rogers Peet Company, New York, N. Y. Certain named clothing for men and boys. No. 99,019; Aug. 11; Gaz. vol. 205; p. 658.
- Rogers & Thompson, Inc., New York, N. Y. Certain named piece goods. Nos. 99,174-6; Aug. 18; Gaz. vol. 205; p. 1018.
- Robner, Walter, New York, N. Y. Fluid polishes for furniture and woodwork. No. 97,172; May 19; Gaz. vol. 202; p. 949.
- Roll Fabric Company, Providence, R. I. Pyroxylin-coated fabrics. No. 101,533; Dec. 22; Gaz. vol. 209; p. 1314.
- Roller, Emil, New York, N. Y. Treatment of tuberculosis. No. 100,031; Sept. 29; Gaz. vol. 206; p. 1434.
- Roller, Emil, New York, N. Y. Hay-fever, catarrhal conditions, and eye-wash. No. 100,032; Sept. 29; Gaz. vol. 206; p. 1434.
- Roman e hijos, Firm of H. L., Cartagena, Colombia. Remedy and preventive for certain named affections. No. 98,149; July 7; Gaz. vol. 204; p. 310.
- Rome Importing Co., New York, N. Y. Olive-oil. No. 100,224; Oct. 13; Gaz. vol. 207; p. 606.
- Rome Textile Company, Rome, N. Y. Certain named knit underwear garments. No. 95,564; Feb. 24; Gaz. vol. 199; p. 1240.
- Röntgen, Robert, Remscheid, Germany. Saws and saw-blades. No. 98,568; July 21; Gaz. vol. 204; p. 1008.
- Rood Candy Co., The, Pueblo, Colo. Candy. No. 99,244; Aug. 25; Gaz. vol. 205; p. 1316.
- Roos Manufacturing Company, The, Chicago, Ill. Moth-repellent. No. 101,051; Nov. 10; Gaz. vol. 208; p. 651.
- Rose, George, Kansas City, Mo. Cigarettes. No. 100,160; Oct. 6; Gaz. vol. 207; p. 295.
- Rose, Randolph, Chattanooga, Tenn. Port and sherry wine and rose-vin. No. 96,044; Mar. 31; Gaz. vol. 200; p. 1387.
- Rose, Randolph, Chattanooga, Tenn. Sherry, port, and dessert wines. No. 96,045; Mar. 31; Gaz. vol. 200; p. 1387.
- Rose, Randolph, Chattanooga, Tenn. Certain named alcoholic liquors. No. 96,190; Apr. 7; Gaz. vol. 201; p. 264.
- Rose, Randolph, Chattanooga, Tenn. Wines. No. 96,191; Apr. 7; Gaz. vol. 201; p. 264.
- Rose, Randolph, Chattanooga, Tenn. Whisky. Nos. 96,537-9; Apr. 21; Gaz. vol. 201; p. 899.
- Rose, Randolph, Chattanooga, Tenn. Whisky, cognac, brandy, rum, gin, &c. No. 96,830; May 5; Gaz. vol. 202; p. 310.
- Rose, Randolph, Chattanooga, Tenn. Certain named distilled alcoholic liquors. No. 97,560; June 9; Gaz. vol. 203; p. 598.
- Rose, Randolph, Chattanooga, Tenn. Cigars. No. 99,790; Sept. 15; Gaz. vol. 206; p. 872.
- Rose, Randolph, Chattanooga, Tenn. Cigars. Nos. 101,212-14; Nov. 17; Gaz. vol. 208; p. 981.
- Rosenberg, Gus. L., New York, N. Y. Woolen and worsted serges in the piece. No. 95,849; Mar. 17; Gaz. vol. 200; p. 854.
- Rosenet Company, The, Spokane, Wash. Hair-tonic. No. 96,540; Apr. 21; Gaz. vol. 201; p. 899.

Alphabetical list of registrants of trade-marks—Continued.

- Rosenfeld, Joseph E., Council Bluffs, Iowa. Beer. No. 97,356; June 2; Gaz. vol. 203; p. 298.
- Rosenfield, William, Philadelphia, Pa. Hat and bonnet frames. No. 99,635; Sept. 8; Gaz. vol. 206; p. 586.
- Rosenstein & Co., Sidney, New York, N. Y. Negligée and work shirts. No. 94,941; Jan. 13; Gaz. vol. 198; p. 491.
- Rosenstern & Co., F., New York, N. Y. Certain named textile fabrics. No. 100,419; Oct. 20; Gaz. vol. 207; p. 924.
- Rosenthal Paper and Stationery Company, St. Louis, Mo. Wrapping-paper. No. 95,150; Feb. 3; Gaz. vol. 199; p. 300.
- Rosenwald & Weil, Inc., Chicago, Ill. Rubberized fabrics. No. 98,817; Aug. 4; Gaz. vol. 205; p. 299.
- Rosetter, Andrew C., Appleton, Minn. Non-intoxicating carbonated tonic beverages. No. 99,907; Sept. 22; Gaz. vol. 206; p. 1159.
- Ross, Ada H., Los Angeles, Cal. Hair-grower. No. 97,357; June 2; Gaz. vol. 203; p. 298.
- Ross & Co., Chas. H., Baltimore, Md. Whisky. No. 96,541; Apr. 21; Gaz. vol. 201; p. 899.
- Rossendale-Reddaway Belting & Hose Co., Newark, N. J. Woven-hair driving-belts. Nos. 96,048-9; Mar. 31; Gaz. vol. 200; p. 1387.
- Rossendale-Reddaway Belting & Hose Co., Newark, N. J. Driving-belts and machine-belt. No. 97,442; June 2; Gaz. vol. 203; p. 301.
- Rossendale-Reddaway Belting & Hose Co., Newark, N. J. Driving-belts and machine-belt. No. 97,783; June 16; Gaz. vol. 203; p. 924.
- Rossendale-Reddaway Belting & Hose Co., Newark, N. J. Woven-hair driving-belts. No. 97,797; June 16; Gaz. vol. 203; p. 925.
- Rossendale-Reddaway Belting & Hose Co., Newark, N. J. Woven textile driving-belts and machine-belt. No. 98,569; July 21; Gaz. vol. 204; p. 1008.
- Roth & Co., San Francisco, Cal. Whisky. No. 101,423; Dec. 8; Gaz. vol. 209; p. 681.
- Roth, Richard, New York, N. Y. Lace neckwear, collars, and jabots, flowers, millinery, sashes, &c. No. 96,910; May 5; Gaz. vol. 202; p. 313.
- Roth Tobacco Co., Cape Girardeau, Mo. Smoking and chewing tobacco. No. 101,329; Nov. 24; Gaz. vol. 208; p. 1353.
- Rothe, Wilhelm, Reichenbach, Germany. Wood-wool, cotton-waste, wool and hemp fibers. No. 97,893; June 23; Gaz. vol. 203; p. 1257.
- Rothschild Bros., Philadelphia, Pa. Blended whisky. No. 95,151; Feb. 3; Gaz. vol. 199; p. 300.
- Rothschild Bros., Philadelphia, Pa. Compound of buchu and gin. No. 100,625; Oct. 20; Gaz. vol. 207; p. 930.
- Rothstein, Abraham C., New York, N. Y. Ladies' hats. No. 95,015; Jan. 20; Gaz. vol. 198; p. 700.
- Rotor Vacuum Cleaner Company, Inc., The, New York, N. Y. Vacuum-cleaners. No. 99,066; Aug. 11; Gaz. vol. 205; p. 659.
- Roulet & Cie., Cognac, France. Brandy. No. 101,493; Dec. 15; Gaz. vol. 209; p. 1050.
- Rouss, Charles B., New York, N. Y. Certain articles of clothing for infants, children, misses, and women. No. 98,424; July 14; Gaz. vol. 204; p. 671.
- Rouss, Firm of Charles B., New York, N. Y. Sweaters. No. 99,636; Sept. 8; Gaz. vol. 206; p. 586.
- Rovira, Francisco R., Barcelona, Spain. Cigarette-paper. No. 100,420; Oct. 20; Gaz. vol. 207; p. 924.
- Rowland Drug Co., Oxford, Miss. Headache and neuralgia medicine. No. 98,818; Aug. 4; Gaz. vol. 205; p. 299.
- Royal Embroidery Works, Naday & Fleischer, New York, N. Y. Feather trimming. No. 97,726; June 16; Gaz. vol. 203; p. 923.
- Royal Equipment Company, The, Bridgeport, Conn. Brake-lining. No. 97,443; June 2; Gaz. vol. 203; p. 301.
- Royal River Manufacturing Co., Yarmouth, Me., and New York, N. Y. Cotton bags. No. 94,942; Jan. 13; Gaz. vol. 198; p. 491.
- Royal Spring Water Co., Baltimore, Md. Ginger-ale, sarsaparilla, and carbonated water. No. 97,894; June 23; Gaz. vol. 203; p. 1257.
- Royal Tailors, The, Chicago, Ill. Men's coats, vests, and trousers. No. 100,626; Oct. 20; Gaz. vol. 207; p. 930.
- Royal Tea Company, Chicago, Ill. Peanut-butter, spices, coffee, tea, &c. No. 99,245; Aug. 25; Gaz. vol. 205; p. 1316.
- Royal Varnish Company, Toledo, Ohio. Varnish. No. 97,895; June 23; Gaz. vol. 203; p. 1257.
- Roykó, Victor, Tiszaújváros, Austria-Hungary. Certain named pharmaceutical preparations. No. 100,033; Sept. 29; Gaz. vol. 206; p. 1434.
- Rubber Sundries Company, Cleveland, Ohio. Rubber water-bottles, fountain-syringes, and ice-caps. No. 99,646; Sept. 8; Gaz. vol. 206; p. 586.
- Ruben & Co., A., Pittsburgh, Pa. Tobies and stogies. No. 97,896; June 23; Gaz. vol. 203; p. 1257.
- Ruggiero, Bartolo, Brooklyn, N. Y. Remedy for cuts and sores. No. 97,358; June 2; Gaz. vol. 203; p. 298.
- Rumford Chemical Works, Providence, R. I. Certain pharmaceutical preparations and remedies for certain ailments. No. 101,215; Nov. 17; Gaz. vol. 208; p. 982.
- Rusch & Co., New York, N. Y. Velvet ribbon. No. 94,943; Jan. 13; Gaz. vol. 198; p. 491.
- Rusch & Co., New York, N. Y. Velvet ribbon. No. 95,785; Mar. 10; Gaz. vol. 200; p. 578.
- Rush Dist. Co. Inc., Fort Smith, Ark. Straight whisky. No. 97,784; June 16; Gaz. vol. 203; p. 924.
- Russell & Company, The, Massillon, Ohio. Threshing-machines, farm-engines, sawmills, and horse-powers. No. 97,359; June 2; Gaz. vol. 203; p. 298.
- Russell Manufacturing Co., The, Middletown, Conn. Brake-lining for automobile-brakes. Nos. 95,352-3; Feb. 10; Gaz. vol. 199; p. 613.
- Russell Manufacturing Co., Middletown, Conn. Woven machine-belt. No. 96,720; Apr. 28; Gaz. vol. 201; p. 1216.
- Russell, Thurbur F., Boston, Mass. Fire-extinguisher. No. 97,444; June 2; Gaz. vol. 203; p. 301.
- Russia Cement Company, Gloucester, Mass. Belt-dressings, shoe and leather polishes, and polish for silver, brass, &c. No. 95,035; Jan. 27; Gaz. vol. 198; p. 895.
- Russia Cement Company, Gloucester, Mass. Type-writer ribbons and carbon-paper. No. 101,109; Nov. 10; Gaz. vol. 208; p. 653.
- Russian-French India Rubber, Guttapercha and Telegraph Works, "Prowodnik, Riga," Riga, Russia. Solid rubber and pneumatic tires. No. 100,891; Oct. 27; Gaz. vol. 207; p. 1245.
- Rust-Parker-Martin Company, Augusta, Me., and Duluth, Minn. Coffee. No. 101,330; Nov. 24; Gaz. vol. 208; p. 1353.
- Rutledge and Taylor Coal Co., St. Louis, Mo. Coal. No. 97,445; June 2; Gaz. vol. 203; p. 301.
- Ruud Manufacturing Company, Pittsburgh, Pa. Instantaneous automatic water heaters and storage systems. No. 99,501; Sept. 1; Gaz. vol. 206; p. 309.
- Ryan, Thomas F., Oak Ridge, Va. Flours, meals, brans, grits, and middlings. No. 101,216; Nov. 17; Gaz. vol. 208; p. 982.
- Ryan, Thomas W., Concord Junction, Mass. Ball-cocks. No. 97,173; May 19; Gaz. vol. 202; p. 949.
- S. Glemby Inc., New York, N. Y. Certain named human-hair goods. No. 97,836; June 23; Gaz. vol. 203; p. 1256.
- S. Hamill Company, Keokuk, Iowa. Wheat-flour, pepper, mustard, spices, and tea. No. 97,139; May 19; Gaz. vol. 202; p. 948.
- S. Obermayer Company, Cincinnati, Ohio, and Chicago, Ill. Foundry-facings, charcoal, graphite, and plumbago. No. 98,808; Aug. 4; Gaz. vol. 205; p. 299.
- S. Slater & Sons, Inc., Webster, Mass. Certain named textile fabrics. No. 96,915; May 5; Gaz. vol. 202; p. 313.
- S. & A. Manufacturing Co., Boston, Mass. Automobile kit-tools, wrenches, and screw-drivers. No. 95,668; Mar. 3; Gaz. vol. 200; p. 275.
- S. C. Herbst Importing Co., Milwaukee, Wis. Whisky. No. 96,513; Apr. 21; Gaz. vol. 201; p. 898.
- S. F. Bowser & Company, Fort Wayne, Ind. Oil filtration and circulation apparatus. No. 98,358; July 14; Gaz. vol. 204; p. 669.
- S. R. Feil Company, The, Cleveland, Ohio. Poultry tonics and insecticides and remedies for poultry diseases. No. 99,386; Aug. 25; Gaz. vol. 205; p. 1321.
- S. R. Feil Company, Cleveland, Ohio. Toilet cerate. No. 99,865; Sept. 22; Gaz. vol. 206; p. 1158.
- S. R. White's Sons Incorporated, Norfolk, Va. Cotton-planters. No. 99,373; Aug. 25; Gaz. vol. 205; p. 1320.
- Saalfeld, Johannes, Hoboken, N. J. Cigarettes. No. 96,997; May 12; Gaz. vol. 202; p. 629.
- Sabó, Charles, McDonald, Pa. Preparation for the treatment of scalds, burns, blisters, and bruises. No. 94,832; Jan. 6; Gaz. vol. 198; p. 236.
- Sadi, Reshid, New York, N. Y. Cigarettes, cigars, tobacco, cheroots, and stogies. No. 96,050; Mar. 31; Gaz. vol. 200; p. 1387.
- Sadi, Reshid, New York, N. Y. Cigars, cigarettes, cheroots, and cut tobacco. No. 99,246; Aug. 25; Gaz. vol. 205; p. 1316.
- Sadi, Reshid, New York, N. Y. Cigars, cigarettes, cheroots, cut and uncut tobacco. No. 101,217; Nov. 17; Gaz. vol. 208; p. 982.
- Safe-Keep Pocket Hosiery Company, The, Philadelphia, Pa. Women's stockings. No. 94,944; Jan. 13; Gaz. vol. 198; p. 491.
- Safety Night Light Co., Brooklyn, N. Y. Candles. No. 97,898; June 23; Gaz. vol. 203; p. 1257.
- Saginaw Plate Glass Company, The, Saginaw, Mich. Salt. No. 94,833; Jan. 6; Gaz. vol. 198; p. 236.
- Salant & Salant, New York, N. Y. Work-shirts. No. 96,346; Apr. 14; Gaz. vol. 201; p. 566.
- Salant & Salant, New York, N. Y. Work and negligée shirts. No. 98,425; July 14; Gaz. vol. 204; p. 671.
- Salbenol Co., Philadelphia, Pa. Analgesic. No. 100,424; Oct. 20; Gaz. vol. 207; p. 924.
- Salcura Company, The, Milwaukee, Wis. Salts remedy for certain named diseases. No. 99,403; Aug. 25; Gaz. vol. 205; p. 1321.
- Salcura Company, The, Milwaukee, Wis. Toilet soap. No. 99,908; Sept. 22; Gaz. vol. 206; p. 1159.

Alphabetical list of registrants of trade-marks—Continued.

- Salinos Company, Minneapolis, Minn. Medicinal preparation used as a cathartic and laxative, &c. No. 100,034; Sept. 29; Gaz. vol. 206; p. 1434.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Velvets and plushes in the piece. No. 97,080; May 19; Gaz. vol. 202; p. 946.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Coats, cloaks, wraps, and capes. Nos. 97,506-7; June 9; Gaz. vol. 203; p. 596.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Velvets and plushes in the piece. No. 97,727; June 16; Gaz. vol. 203; p. 923.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Velvets and plushes in the piece. Nos. 97,785-6; June 16; Gaz. vol. 203; pp. 924-5.
- Salt's Textile Manufacturing Company, Bridgeport, Conn., and New York, N. Y. Velvets and plushes in the piece. No. 97,899; June 23; Gaz. vol. 203; p. 1258.
- Salt's Textile Manufacturing Company, Bridgeport, Conn., and New York, N. Y. Coats, cloaks, wraps, and capes. Nos. 97,900-2; June 23; Gaz. vol. 203; p. 1258.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Velvets and plushes. Nos. 98,426-7; July 14; Gaz. vol. 204; p. 671.
- Salt's Textile Manufacturing Company, Bridgeport, Conn., and New York, N. Y. Velvets and plushes in the piece. No. 98,570; July 21; Gaz. vol. 204; p. 1008.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Velvets and plushes in the piece. No. 98,819; Aug. 4; Gaz. vol. 205; p. 299.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Velvets and plushes in the piece. No. 98,897; Aug. 4; Gaz. vol. 205; p. 302.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Coats, cloaks, wraps, and capes. Nos. 99,020-3; Aug. 11; Gaz. vol. 205; p. 658.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Velvets and plushes in the piece. Nos. 99,502-3; Sept. 1; Gaz. vol. 206; p. 309.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Coats, cloaks, wraps, and capes. Nos. 99,504-5; Sept. 1; Gaz. vol. 206; p. 309.
- Salt's Textile Manufacturing Company, Bridgeport, Conn., and New York, N. Y. Coats, cloaks, wraps, and capes. No. 99,647; Sept. 8; Gaz. vol. 206; p. 586.
- Salt's Textile Manufacturing Company, Bridgeport, Conn., and New York, N. Y. Coats, cloaks, wraps, and capes. No. 100,628; Oct. 20; Gaz. vol. 207; p. 930.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Coats, cloaks, wraps, and capes. No. 101,332; Nov. 24; Gaz. vol. 208; p. 1353.
- Salvo & Berdon Candy Co., Natchez, Miss. Candy. No. 100,892; Oct. 27; Gaz. vol. 207; p. 1245.
- Sames, Friedrich M., New York, N. Y. Ointment. No. 97,360; June 2; Gaz. vol. 203; p. 298.
- Samuel Cabot, Inc., Boston, Mass. Enamel. No. 96,099; Apr. 7; Gaz. vol. 201; p. 261.
- Samuel Cabot, Incorporated, Boston, Mass. Emulsifiable coal-tar-cresote compound. No. 99,000; Aug. 11; Gaz. vol. 205; p. 657.
- Samuel Cupples Wooden Ware Company, St. Louis, Mo. Fruit-jar rings. No. 99,705; Sept. 15; Gaz. vol. 206; p. 870.
- Samuel Osborn & Co. Limited, Sheffield, England. Certain named machines and tools. No. 98,415; July 14; Gaz. vol. 204; p. 671.
- San Antonio Drug Co., San Antonio, Tex. Memorandum-book. No. 95,354; Feb. 10; Gaz. vol. 199; p. 613.
- San Francisco Salt Refinery, San Francisco, Cal. Table-salt. Nos. 95,786-7; Mar. 10; Gaz. vol. 200; p. 578.
- San Juan Fishing & Packing Co., Seattle, Wash. Canned salmon. No. 98,012; June 30; Gaz. vol. 203; p. 1551.
- San-Knit-ary Textile Mills Incorporated, Philadelphia, Pa. Towels, washcloths, bath-mitts, sheets, &c. No. 100,426; Oct. 20; Gaz. vol. 207; p. 924.
- Sandwich Manufacturing Co., Sandwich, Ill. Hay-loaders. No. 101,013; Nov. 3; Gaz. vol. 208; p. 335.
- Sanford Riley Stoker Co., Ltd., Worcester, Mass. Under-feed stokers. No. 95,784; Mar. 10; Gaz. vol. 200; p. 578.
- Sanin-Gesellschaft m. b. H. Fabrik chem. pharmac. Praeparate, Koetzschenbroda, Dresden, Germany. Medicinal preparation for the treatment of diabetes. No. 99,024; Aug. 11; Gaz. vol. 205; p. 658.
- Sanin-Gesellschaft m. b. H. Fabrik chem. pharmac. Praeparate, Koetzschenbroda, Dresden, Germany. Medicinal preparation used in the treatment of certain named diseases. No. 99,025; Aug. 11; Gaz. vol. 205; p. 658.
- Sanitary Company of America, Pottstown, Pa. Certain named plumbing supplies. No. 95,480; Feb. 17; Gaz. vol. 199; p. 936.
- Sanitary Food Manufacturing Company, St. Paul, Minn. Certain named foods. No. 96,998; May 12; Gaz. vol. 202; p. 629.
- Sanitary Manufacturing Company, New York, N. Y. Electric vaporizers. No. 101,331; Nov. 24; Gaz. vol. 208; p. 1353.
- "Sanitas" Co. (U. S. A.). (See "Sanitas" Company, Limited, assignor.)
- "Sanitas" Company, Limited, London, England, assignor to "Sanitas" Co. (U. S. A.), Jersey City, N. J. Soap and soap powder. No. 96,051; Mar. 31; Gaz. vol. 200; p. 1387.
- Sanitas Company Limited, The, London, England, assignor to "Sanitas" Co. (U. S. A.), Jersey City, N. J. Certain named disinfectant and veterinary preparations. No. 97,363; June 2; Gaz. vol. 203; p. 298.
- Sanitation & Supply Co., The, New York, N. Y. Paint-removers, cleaners, front-end paint for engines, &c. No. 98,200; July 7; Gaz. vol. 204; p. 311.
- Santa Rosa Cured Fruit Association, Santa Rosa, Cal. Prunes. No. 99,794; Sept. 15; Gaz. vol. 206; p. 872.
- Santa Rosa Paste Co., Santa Rosa, Cal. Macaroni, vermicelli, and spaghetti. No. 96,194; Apr. 7; Gaz. vol. 201; p. 264.
- Santo Rubber Co., The, Wilmington, Del., and Pittsburgh, Pa. Rubber and gutta-percha balls. Nos. 100,427-8; Oct. 20; Gaz. vol. 207; p. 924.
- Santo Rubber Co., The, Wilmington, Del., and Pittsburgh, Pa. Balls. No. 100,725; Oct. 20; Gaz. vol. 207; p. 933.
- Santo Rubber Co., The, Wilmington, Del., and Pittsburgh, Pa. Rubber belting, hose, vehicle-tires, &c. No. 101,218; Nov. 17; Gaz. vol. 208; p. 982.
- Santo Rubber Co., The, Wilmington, Del., and Pittsburgh, Pa. Rubber belting, vehicle-tires, packing, &c. No. 101,219; Nov. 17; Gaz. vol. 208; p. 982.
- Sarantides, Costas, New York, N. Y. Special Turkish pastry. No. 100,161; Oct. 6; Gaz. vol. 207; p. 295.
- Saratoga Vichy Spring Co., Saratoga Springs, N. Y. Non-alcoholic carbonated beverages. No. 101,424; Dec. 8; Gaz. vol. 209; p. 681.
- Sargeant, Mortimer W., East Orange, N. J. Ointment for corns and callouses. No. 95,788; Mar. 10; Gaz. vol. 200; p. 579.
- Sargent & Co., New Haven, Conn. Locks, latches, keys, &c. No. 98,699; July 28; Gaz. vol. 204; p. 1341.
- Sargent & Co., New Haven, Conn. Certain named measuring instruments. No. 98,700; July 28; Gaz. vol. 204; p. 1341.
- Sargent Company, Chicago, Ill. Blow-off valves and cocks. No. 96,347; Apr. 14; Gaz. vol. 201; p. 567.
- Sargent Company, Chicago, Ill. Water-gages. No. 96,722; Apr. 28; Gaz. vol. 201; p. 1216.
- Sargent & Company, New Haven, Conn. Certain named tools and parts thereof. No. 98,697; July 28; Gaz. vol. 204; p. 1341.
- Sargent & Company, New Haven, Conn. Certain named hardware supplies. No. 98,698; July 28; Gaz. vol. 204; p. 1341.
- Sari, Fernando R., Washington, D. C. Olive-oil. No. 98,201; July 7; Gaz. vol. 204; p. 311.
- Sarrazin, Jules J., New Orleans, La. Tooth-brushes. No. 95,016; Jan. 20; Gaz. vol. 198; p. 700.
- Sarrazin, Jules J., New Orleans, La. Lip-cream. No. 95,017; Jan. 20; Gaz. vol. 198; p. 700.
- Sarrazin, Jules J., New Orleans, La. Dental flosses and tapes and tongue-cleansers. No. 95,669; Mar. 3; Gaz. vol. 200; p. 275.
- Sartory, Eugène, Paris, France. Bows for musical instruments. No. 98,820; Aug. 4; Gaz. vol. 205; p. 299.
- Sasso & Sons, G., Brooklyn, N. Y. Olive-oil. No. 95,946; Mar. 24; Gaz. vol. 200; p. 1111.
- Satis Co. Inc., New York, N. Y. Shirts and underwear. No. 97,174; May 19; Gaz. vol. 202; p. 949.
- Satterfield, Robert W., Cleveland, Ohio. Cartoons and drawings. No. 101,220; Nov. 17; Gaz. vol. 208; p. 982.
- Satterlee & Smith, Lake Charles, La. Remedy for rheumatism, sore muscles, and itching skin. No. 96,723; Apr. 28; Gaz. vol. 201; p. 1216.
- Sauerstern & Brown, Cincinnati, Ohio. Candy. No. 101,534; Dec. 22; Gaz. vol. 209; p. 1314.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. No. 94,834; Jan. 6; Gaz. vol. 198; p. 236.
- Sauquoit Toilet Paper Co., New Hartford, N. Y. Toilet-paper. Nos. 95,153-5; Feb. 3; Gaz. vol. 199; p. 300.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. No. 96,348; Apr. 14; Gaz. vol. 201; p. 567.
- Sauquoit Toilet Paper Co., New Hartford, N. Y. Toilet-paper. Nos. 98,091-7; June 30; Gaz. vol. 203; p. 1553.
- Savage Arms Company, Frankfort, N. Y. Rifles, pistols, and cartridges. No. 100,629; Oct. 20; Gaz. vol. 207; p. 930.
- Savage, James and M., Pittsburgh, Pa. Salves. No. 97,364; June 2; Gaz. vol. 203; p. 298.
- Savage, Louis P., Laporte, Ind. Remedies for diseases of the eyes. No. 96,608; Apr. 21; Gaz. vol. 201; p. 901.
- Savill & Sons, Thomas, Philadelphia, Pa. Bibs, faucets, spigots, cocks, and metal valves. No. 95,565; Feb. 24; Gaz. vol. 199; p. 1240.
- Sawyer, Ospha B., Beaumont, Tex. Insecticide, deodorizer, and disinfectant. No. 94,945; Jan. 13; Gaz. vol. 198; p. 492.
- Saxon Motor Company, Detroit, Mich. Automobiles. No. 100,429; Oct. 20; Gaz. vol. 207; p. 925.
- Saxony Knitting Mills, Needham, Mass. Knit goods. No. 94,946; Jan. 13; Gaz. vol. 198; p. 492.
- Saxony Mills, St. Louis, Mo. Wheat-flour. No. 99,648; Sept. 8; Gaz. vol. 206; p. 586.

Alphabetical list of registrants of trade-marks--Continued.

- Saxton Woolen Corp., The, Norwich, Conn. Certain named textile fabrics. No. 97,081; May 19; Gaz. vol. 202; p. 946.
- Sayers and Sons, Bernard, North Berwick, Scotland. Golf-heads. No. 101,535; Dec. 22; Gaz. vol. 209; p. 1314.
- Sayman, Thomas M., St. Louis, Mo. Lemon extract for foods. No. 95,481; Feb. 17; Gaz. vol. 199; p. 936.
- Sayman, Thomas M., St. Louis, Mo. Vanilla extract for foods. No. 95,482; Feb. 17; Gaz. vol. 199; p. 936.
- Scarpelli Bros., Spokane, Wash. Macaroni products. No. 99,649; Sept. 8; Gaz. vol. 206; p. 586.
- Schaefer Mfg. Co., Chicago, Ill. Cleaning and scraping machines. No. 95,483; Feb. 17; Gaz. vol. 199; p. 936.
- Schaefer Tent & Awning Co., The, Denver, Colo. Tents and awnings. No. 97,446; June 2; Gaz. vol. 203; p. 301.
- Schaeffers, Joseph, Cleveland, Ohio. Ball-bearings. No. 97,276; May 26; Gaz. vol. 202; p. 1255.
- Schaffer Tinware Manufacturing Company, The, New York and Brooklyn, N. Y. Household receptacles for bread and cake. No. 100,432; Oct. 20; Gaz. vol. 207; p. 925.
- Scharling & Co., Newark, N. J. Certain named articles made of or plated with precious metal. No. 101,110; Nov. 10; Gaz. vol. 208; p. 653.
- Schauerhann, Howard G., Philadelphia, Pa. Massage and skin cream and antiseptic ointment. No. 100,899; Oct. 27; Gaz. vol. 207; p. 1245.
- Scheetz, William H., San Francisco, Cal. Weekly magazines. No. 99,247; Aug. 25; Gaz. vol. 205; p. 1316.
- Scheffler, Ernst, Zwota, Germany. Catgut strings, plain or covered, for musical instruments. No. 95,355; Feb. 10; Gaz. vol. 199; p. 613.
- Schermerhorn Bros. Co., Chicago, Ill. Woven yard goods and fabrics. No. 96,349; Apr. 14; Gaz. vol. 201; p. 567.
- Schermerhorn-Shotwell Company, Des Moines, Iowa. Hens' eggs. No. 98,701; July 28; Gaz. vol. 204; p. 1341.
- Scheuertheversand-Gesellschaft mit beschränkter Haftung, Wilmersdorf, near Berlin, Germany. Remedy for diabetes. No. 96,911; May 5; Gaz. vol. 202; p. 313.
- Schieffelin, William J., New York, N. Y. Appliance for the production of radio-active medicinal water. No. 99,507; Sept. 1; Gaz. vol. 206; p. 310.
- Schild, William, St. Louis, Mo. Powdered lyes. No. 100,162; Oct. 6; Gaz. vol. 207; p. 295.
- Schinasi Bros., New York, N. Y. Cigarettes. Nos. 95,158-9; Feb. 3; Gaz. vol. 199; p. 300.
- Schinasi Bros., New York, N. Y. Cigarettes. No. 96,832; May 5; Gaz. vol. 202; p. 310.
- Schinasi Bros., New York, N. Y. Cigarettes. No. 97,903; June 23; Gaz. vol. 203; p. 1258.
- Schindler-Barnay, Flora, Vienna, Austria-Hungary. Laxatives. No. 99,404; Aug. 25; Gaz. vol. 205; p. 1321.
- Schlesinger, Maurice F., New York, N. Y. Oil for the treatment of certain diseases. No. 97,277; May 26; Gaz. vol. 202; p. 1255.
- Schlick, Henry H. von, Pittsburgh, Pa. Polishing-cloth. No. 98,837; Aug. 4; Gaz. vol. 205; p. 300.
- Schliemann's Oil & Ceresine Company, Inc., New York, N. Y. Lubricating oils and greases. No. 95,160; Feb. 3; Gaz. vol. 199; p. 300.
- Schloss, Joseph W., New York, N. Y. Featherbone. No. 94,947; Jan. 13; Gaz. vol. 198; p. 492.
- Schloss, Newton L., assignor to Ovanite Company, New York, N. Y. Cases for toilet articles. No. 100,433; Oct. 20; Gaz. vol. 207; p. 925.
- Schloss, Newton L., assignor to Ovanite Company, New York, N. Y. Cases for toilet articles. No. 100,630; Oct. 20; Gaz. vol. 207; p. 930.
- Schmidt Ceramic Chemical Company, The, Chicago, Ill. Ceramic colors. No. 99,179; Aug. 18; Gaz. vol. 205; p. 1018.
- Schmidt, Frank F., La Cygne, Kans. Candy. No. 98,899; Aug. 4; Gaz. vol. 205; p. 302.
- Schmidt, Firm of Johann, Nuremberg, Germany. Wafer capsules, tablets, or shells for administering medicines. No. 100,163; Oct. 6; Gaz. vol. 207; p. 295.
- Schmidt, Firm of Peter L., Elberfeld, Germany. Razors, scissors, and pocket scissors and knives. No. 97,787; June 16; Gaz. vol. 203; p. 925.
- Schmincke & Co. H., Düsseldorf-Grafenberg, Germany. Oil-colors in tubes and water-colors. No. 101,014; Nov. 3; Gaz. vol. 208; p. 335.
- Schmitt Brothers Tobacco Works, Milwaukee, Wis. Long-cut tobacco for both smoking and chewing. No. 95,670; Mar. 3; Gaz. vol. 200; p. 275.
- Schmitz-Horning Co., The, Cleveland, Ohio. Paper wall-covering. No. 100,631; Oct. 20; Gaz. vol. 207; p. 930.
- Schmoeger, Edwin H., New York, N. Y. Curtain-supports. No. 95,161; Feb. 3; Gaz. vol. 199; p. 300.
- Schnabel, Charles, New York, N. Y. Corsets and gloves. No. 98,429; July 14; Gaz. vol. 204; p. 671.
- Schnarr, John, Orlando, Fla. Insecticide. No. 98,202; July 7; Gaz. vol. 204; p. 311.
- Schneider, Fred, Omaha, Nebr. Clothing-aprons, dresses, rompers, kimonos, &c. No. 101,339; Nov. 24; Gaz. vol. 208; p. 1353.
- Schnell, Julius L., New York, N. Y. Fountain-pens. No. 96,999; May 12; Gaz. vol. 202; p. 629.
- Schneller, John L., Chicago, Ill. Whisky. No. 97,904; June 23; Gaz. vol. 203; p. 1258.
- Schnitzler, Ernest, Weirsdale, Fla. Oranges. No. 98,013; June 30; Gaz. vol. 203; p. 1551.
- Schoen, Emil, Philadelphia, Pa. Noodles. No. 96,052; Mar. 31; Gaz. vol. 200; p. 1387.
- Schoenfeld, Leo E., Chicago, Ill. Certain named foods. No. 98,321; July 7; Gaz. vol. 204; p. 315.
- Schofield, Mason & Co., Philadelphia, Pa. Wilton pile carpets and rugs. No. 95,484; Feb. 17; Gaz. vol. 199; p. 936.
- Schonegg, Arnold, Ambridge, Pa. Beer. No. 99,650; Sept. 8; Gaz. vol. 206; p. 586.
- Schorn & Brower, New York, N. Y. Tea. No. 99,795; Sept. 15; Gaz. vol. 206; p. 872.
- Schorsch & Co., New York, N. Y. Paper bags. Nos. 97,561-4; June 9; Gaz. vol. 203; p. 598.
- Schotten, Julius J., St. Louis, Mo. Coffee. No. 96,833; May 5; Gaz. vol. 202; p. 311.
- Schroeder, Joseph C., St. Louis, Mo. Certain named medicines and pharmaceutical preparations. No. 99,796; Sept. 15; Gaz. vol. 206; p. 872.
- Schroeder Lamp Works, Edward, Jersey City, N. J. Electric-lighting fixtures. No. 95,671; Mar. 3; Gaz. vol. 200; p. 275.
- Schubert Piano Co., The, New York, N. Y. Pianos and piano-players. No. 100,632; Oct. 20; Gaz. vol. 207; p. 931.
- Schuberth, Louis T., Chicago, Ill. Food-cabinets. No. 98,571; July 21; Gaz. vol. 204; p. 1008.
- Schuerger, John G., Washington, D. C. Bread. No. 97,000; May 12; Gaz. vol. 202; p. 629.
- Schulten & Co., Jno. J., Louisville, Ky. Leather shoes. No. 99,508; Sept. 1; Gaz. vol. 206; p. 310.
- Schultz, Baujan & Co., Beardstown, Ill. Wheat-flour. No. 98,572; July 21; Gaz. vol. 204; p. 1008.
- Schultz, Baujan & Co., Beardstown, Ill. Self-rising wheat-flour. No. 99,797; Sept. 15; Gaz. vol. 206; p. 872.
- Schultz & Guthrie, Worcester, Mass., and New York, N. Y. Ladies' and misses' dresses. No. 97,365; June 2; Gaz. vol. 203; p. 298.
- Schulze Baking Company, Chicago, Ill. Bread. No. 99,405; Aug. 25; Gaz. vol. 205; p. 1321.
- Schulze Baking Company, Chicago, Ill. Bread. Nos. 99,651-2; Sept. 8; Gaz. vol. 206; p. 586.
- Schulze Baking Company, Chicago, Ill. Bread. No. 99,798; Sept. 15; Gaz. vol. 206; p. 872.
- Schumaker, Lorraine J., Philadelphia, Pa. Whole-wheat bread, biscuits, and flour. No. 95,231; Feb. 3; Gaz. vol. 199; p. 302.
- Schuster Company, The, Cleveland, Ohio. Glass flasks and bottles. No. 96,350; Apr. 14; Gaz. vol. 201; p. 567.
- Schuster Company, The, Cleveland, Ohio. Cordials. No. 100,164; Oct. 6; Gaz. vol. 207; p. 295.
- Schuykill Silk Mills, Reading, Pa. Silk gloves and underwear. No. 98,703; July 28; Gaz. vol. 204; p. 1341.
- Schwab Bros. & Baer, Inc., New York, N. Y. Cigars. No. 99,799; Sept. 15; Gaz. vol. 206; p. 872.
- Schwabacher Hardware Co., Seattle, Wash. Fishing-spoons. No. 96,053; Mar. 31; Gaz. vol. 200; p. 1387.
- Schwahn-Seyberth Saddlery Co., Eau Claire, Wis. Horse equipments, nets, trunks, suitcases, and traveling-bags. No. 95,485; Feb. 17; Gaz. vol. 199; p. 936.
- Schwarz, Solomon I., Cleveland, Ohio. Vehicle lap-ropes. No. 96,834; May 5; Gaz. vol. 202; p. 311.
- Schwarzenbach Bros., Baltimore, Md. Rheumatism, neuralgia, sprains, wrenches. No. 101,333; Nov. 24; Gaz. vol. 208; p. 1353.
- Schweitzer and Conrad, Chicago, Ill. Electrical fuses. No. 98,898; Aug. 4; Gaz. vol. 205; p. 302.
- Schweitzer, Edward S., Pittsburgh, Pa. Salve for treatment of infectious diseases of the respiratory tract. No. 100,165; Oct. 6; Gaz. vol. 207; p. 295.
- Schweizerische Seidengazefabrik A. G., Zurich, Switzerland. Bolting-cloth. No. 97,366; June 2; Gaz. vol. 203; p. 299.
- Schwob, Adolphe, New York, N. Y. Watches. No. 96,352; Apr. 14; Gaz. vol. 201; p. 567.
- Schwob, Adolphe, New York, N. Y. Watches, watchcases, and watch-movements. No. 100,036; Sept. 29; Gaz. vol. 206; p. 1434.
- Schwob, Adolphe, New York, N. Y. Watches, watchcases, and watch-movements. No. 100,225; Oct. 13; Gaz. vol. 207; p. 606.
- Schwob Co., The J. A., Moundsville, W. Va. Grain, rice, and corn cradles. No. 100,893; Oct. 27; Gaz. vol. 207; p. 1245.
- Schwob Co., The J. A., Moundsville, W. Va. Grain, rice, and corn cradles. No. 101,334; Nov. 24; Gaz. vol. 208; p. 1353.
- Scientific Materials Company, Pittsburgh, Pa. Prepared chemical compounds of reagents. No. 101,052; Nov. 10; Gaz. vol. 208; p. 651.
- Sciavo, Achille, Siena, Italy. Remedy for anemic conditions. No. 98,913; Aug. 11; Gaz. vol. 205; p. 655.
- Scofield, Raymond S., Ong, Nebr. Medicated ointment. No. 100,166; Oct. 6; Gaz. vol. 207; p. 295.

Alphabetical list of registrants of trade-marks—Continued.

- Scott, Arnt H., Chicago, Ill. Medicine for sore throat and cold and a preventive from diphtheria. No. 97,082; May 19; Gaz. vol. 202; p. 946.
- Scott County Milling Company, The, Sikeston, Mo. Wheat-flour. No. 98,573; July 21; Gaz. vol. 204; p. 1008.
- Scott County Milling Company, The, Sikeston, Mo. Wheat-flour. No. 99,248; Aug. 25; Gaz. vol. 205; p. 1316.
- Scott County Milling Company, Sikeston, Mo. Cornmeal. No. 99,800; Sept. 15; Gaz. vol. 206; p. 872.
- Scott, F. L., Cincinnati, Ohio. Candy. No. 97,001; May 12; Gaz. vol. 202; p. 629.
- Scott Logan Milling Co., Sheldon, Iowa. Wheat-flour. No. 95,018; Jan. 20; Gaz. vol. 198; p. 700.
- Scott Paper Co., Philadelphia, Pa. Toilet-paper. No. 97,002; May 12; Gaz. vol. 202; p. 629.
- Scout Gum Co. Inc., Rochester, N. Y. Chewing-gum. No. 98,322; July 7; Gaz. vol. 204; p. 315.
- Sea Island Thread Co., New York, N. Y. Mercerized thread and spool-cotton. No. 95,162; Feb. 3; Gaz. vol. 199; p. 300.
- Seaman, David J., Milwaukee, Wis. Printing-forms. No. 96,054; Mar. 31; Gaz. vol. 200; p. 1387.
- Seamless Rubber Company, The, New Haven, Conn. Rubber gloves and mittens. No. 97,279; May 26; Gaz. vol. 202; p. 1255.
- Searight Manufacturing Co., Detroit, Mich. Pencil-sharpeners. No. 97,729; June 16; Gaz. vol. 203; p. 923.
- Searle Manufacturing Co., Troy, N. Y. Collars, cuffs, and shirts. No. 101,256; Nov. 17; Gaz. vol. 208; p. 983.
- Searles, Orren I., Joplin, Mo. Homeopathic medicines. No. 95,851; Mar. 17; Gaz. vol. 200; p. 854.
- Sears, Roebuck and Co., Chicago, Ill. Cream-separators. No. 97,905; June 23; Gaz. vol. 203; p. 1258.
- Sears, Roebuck and Co., Chicago, Ill. Gloves. No. 99,653; Sept. 8; Gaz. vol. 206; p. 586.
- Sears, Roebuck and Company, Chicago, Ill. Underwear. No. 97,083; May 19; Gaz. vol. 202; p. 946.
- Seattle Brewing and Malting Co., Seattle, Wash. Beer. No. 101,450; Dec. 15; Gaz. vol. 209; p. 1049.
- Seeborn & Dieckstahl Ltd., Sheffield, England. Certain named machinery and tools. No. 97,175; May 19; Gaz. vol. 202; p. 949.
- Seelye-Myers Co., Cleveland, Ohio. Certain preparation for head-shampoo. No. 98,984; Aug. 11; Gaz. vol. 205; p. 657.
- Segal & Pransky, Philadelphia, Pa. Gloves, overalls, and hosiery. No. 100,435; Oct. 20; Gaz. vol. 207; p. 925.
- Seggerman Bros., Inc., New York, N. Y. Green, dried, and evaporated apples. No. 100,900; Oct. 27; Gaz. vol. 207; p. 1245.
- Seibel, R. M., Kansas City, Mo. Alkaline antiseptic, antiphlogistic, &c., preparation. No. 96,195; Apr. 7; Gaz. vol. 201; p. 264.
- Seignious, Charles W., Atlanta, Ga. Medicinal preparation for the alleviation of certain named diseases. No. 98,821; Aug. 4; Gaz. vol. 205; p. 299.
- Sek-Rub Company, Wilkes-Barre, Pa. Analgesic balm. No. 96,463; Apr. 21; Gaz. vol. 201; p. 897.
- Self, Robert L., Hornbeck, La. Preventive for venereal diseases. No. 94,835; Jan. 6; Gaz. vol. 198; p. 236.
- Self, Thomas H., Martinsville, Va. Natural stones used as ornaments in jewelry. No. 96,724; Apr. 28; Gaz. vol. 201; p. 1216.
- Sellaro, Salvatore F., New York, N. Y. Medicinal tonic. No. 100,037; Sept. 29; Gaz. vol. 206; p. 1434.
- Selz, Schwab & Co., Chicago, Ill. Boots and shoes. No. 94,948; Jan. 13; Gaz. vol. 198; p. 492.
- Semel & Co., J. H., New York, N. Y. Knitted underwear. No. 98,704; July 28; Gaz. vol. 204; p. 1341.
- Senay, Harry P., Washington, D. C. Medicine for neuralgia, headache, and fatigue. No. 101,015; Nov. 3; Gaz. vol. 208; p. 335.
- Seneca Camera Mfg. Co., Rochester, N. Y. Photographic cameras, &c. No. 100,167; Oct. 6; Gaz. vol. 207; p. 296.
- Senger & Co., D. B., Franklin Grove, Ill. Medicines for chronic weakness and female complaints. No. 96,912; May 5; Gaz. vol. 202; p. 313.
- Sentinal Automatic Gas Appliance Co., The, New Haven, Conn. Automatic cook-stoves. No. 97,503; June 9; Gaz. vol. 203; p. 596.
- Sentney Wholesale Grocery Co., Hutchinson, Kans. Certain named foods. No. 95,947; Mar. 24; Gaz. vol. 200; p. 1111.
- Service Stores Co., New York, N. Y. Butter, eggs, poultry, tea, coffee, and spices. No. 94,949; Jan. 13; Gaz. vol. 198; p. 492.
- Sethness Company, Chicago, Ill. Flavoring extracts for foods, ice-cream, and flavorings therefor. No. 101,223; Nov. 17; Gaz. vol. 208; p. 982.
- Seymour Metal Goods Company, The, Seymour, Conn. Safety-pins. No. 101,597; Dec. 29; Gaz. vol. 209; p. 1688.
- Seymoure, Horace A., New York, N. Y. Manicuring hand polishers, buffers, and enamelers. No. 95,852; Mar. 17; Gaz. vol. 200; p. 854.
- Seyrig, Emilie E. A. C., Le Chesnay, France. Laces. No. 95,672; Mar. 3; Gaz. vol. 200; p. 275.
- Shaffer, Reuben H., Baldwyn, Miss. Curb splint, bog, spavin, soreness in tendons, &c. No. 96,055; Mar. 31; Gaz. vol. 200; p. 1387.
- Shaft-Pierce Shoe Co., Faribault, Minn. Shoes of leather and canvas. No. 97,367; June 2; Gaz. vol. 203; p. 299.
- Shaft-Pierce Shoe Co., Faribault, Minn. Shoes of canvas and leather. No. 98,705; July 28; Gaz. vol. 204; p. 1342.
- Shango Remedy Co., Laurium, Mich. Preparation for the treatment of rheumatism. No. 99,180; Aug. 18; Gaz. vol. 205; p. 1018.
- Shannon & Mott Company, Des Moines, Iowa. Wheat-flour. No. 97,649; June 16; Gaz. vol. 203; p. 920.
- Shannon & Mott Company, Des Moines, Iowa. Wheat-flour. No. 98,016; June 30; Gaz. vol. 203; p. 1551.
- Shapiro Bros., New York, N. Y. Dresses. No. 94,950; Jan. 13; Gaz. vol. 198; p. 492.
- Shapiro Bros., New York, N. Y. Ladies', misses', juniors', and children's dresses. No. 100,634; Oct. 20; Gaz. vol. 207; p. 931.
- Shapiro Bros., New York, N. Y. Waists and blouses. No. 100,635; Oct. 20; Gaz. vol. 207; p. 931.
- Shapiro, Isidor, New York, N. Y. Certain toilet preparations and treatment for certain ailments. No. 94,951; Jan. 13; Gaz. vol. 198; p. 492.
- Sharp & Smith, Chicago, Ill. Certain named surgical appliances. No. 95,567; Feb. 24; Gaz. vol. 199; p. 1240.
- Shaughnessy Knitting Company, Watertown, N. Y. Knitted underwear. No. 96,056; Mar. 31; Gaz. vol. 200; p. 1387.
- Shaw & Co., Alex. D., New York, N. Y. Brandy. No. 97,280; May 26; Gaz. vol. 202; p. 1255.
- Shaw & Co., Alex. D., New York, N. Y. Brandy. No. 97,565; June 9; Gaz. vol. 203; p. 598.
- Shaw & Co., Alex. D., New York, N. Y. Brandy. No. 99,909; Sept. 22; Gaz. vol. 206; p. 1159.
- Shaw & Howard, Oakland, Cal. Children's rompers and overalls. No. 97,281; May 26; Gaz. vol. 202; p. 1255.
- Shaw, Theodore L., Chicago, Ill. Certain named publications. No. 99,801; Sept. 15; Gaz. vol. 206; p. 872.
- Shawhan Distillery Company, Kansas City, Mo. Whisky. No. 95,789; Mar. 10; Gaz. vol. 200; p. 579.
- Sheboygan Evaporated Milk Co., Sheboygan, Mich. Evaporated milk. No. 98,706; July 28; Gaz. vol. 204; p. 1342.
- Sheboygan Evaporated Milk Co., The, Sheboygan and Jefferson, Wis. Evaporated milk. No. 100,636; Oct. 20; Gaz. vol. 207; p. 931.
- Sheets, Jr., & Co., William H., Baltimore, Md. Brushes. No. 101,425; Dec. 8; Gaz. vol. 209; p. 681.
- Sheets, Jr., & Co., William H., Baltimore, Md. Wall, scrubbing, clothes, paint, and whitewash brushes. No. 101,536; Dec. 22; Gaz. vol. 209; p. 1314.
- Sheffield-King Milling Co., Minneapolis, Minn. Wheat-flour and mill feeds. No. 97,176; May 19; Gaz. vol. 202; p. 949.
- Sheffield-King Milling Co., Minneapolis, Minn. Wheat-flour and mill feeds. No. 101,598; Dec. 29; Gaz. vol. 209; p. 1688.
- Shelby Candy & Mfg. Co., Shelby, Ohio. Candies. No. 99,802; Sept. 15; Gaz. vol. 206; p. 872.
- Shelby Printing Company, The, Shelby, Ohio. Sales-books. No. 95,568; Feb. 24; Gaz. vol. 199; p. 1241.
- Sheldon Axle Company, Wilkes-Barre, Pa. Vehicle-springs. No. 95,358; Feb. 10; Gaz. vol. 199; p. 613.
- Shelp, William B., Houston, Tex. Certain named products of rubber manufacture. No. 98,575; July 21; Gaz. vol. 204; p. 1008.
- Shepard Manufacturing Company, The, Melrose, Mass. Key-chains. No. 100,894; Oct. 27; Gaz. vol. 207; p. 1245.
- Sheppard-Strassheim Co., Chicago, Ill. Tea. No. 100,637; Oct. 20; Gaz. vol. 207; p. 931.
- Sher, Edward, New York, N. Y. Liniment, headache remedy, depilatory fluid, &c. No. 96,542; Apr. 21; Gaz. vol. 201; p. 899.
- Sheri-Tone Company, The, Oakland, Cal. Laxatives, tonics, stimulants, and digestants. No. 96,913; May 5; Gaz. vol. 202; p. 313.
- Sherman, Frank W., Memphis, Tenn. Candied popcorn in cakes. No. 100,895; Oct. 27; Gaz. vol. 207; p. 1245.
- Sherman, Isidor, New York, N. Y. White foot-powder. No. 96,543; Apr. 21; Gaz. vol. 201; p. 899.
- Sherwin-Williams Co., The, Cleveland, Ohio. Varnish or paint to be used on wood or metal surfaces. No. 101,599; Dec. 29; Gaz. vol. 209; p. 1688.
- Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides and fungicides. No. 100,436; Oct. 20; Gaz. vol. 207; p. 925.
- Sherwin-Williams Company, The, Cleveland, Ohio. Combination insecticide and fungicide. No. 101,427; Dec. 8; Gaz. vol. 209; p. 681.
- Shields, Francis B., Danville, Ill. Liquid face-powder and tan-remover. No. 97,368; June 2; Gaz. vol. 203; p. 299.
- Shiffer, Abraham M., Philadelphia, Pa. External remedies for skin diseases. No. 94,836; Jan. 6; Gaz. vol. 198; p. 236.
- Shivar, Nathan F., Shelton, S. C. Mineral water and ginger-ale. No. 98,824; Aug. 4; Gaz. vol. 205; p. 299.
- Shoe Manufacturers' Supply Company, Newark, N. J. Shoe cover and vamp stays. No. 96,609; Apr. 21; Gaz. vol. 201; p. 901.

Alphabetical list of registrants of trade-marks—Continued.

- Shoemaker & Busch, Philadelphia, Pa. Disinfectants, deodorants, perfumes, and holders therefor. No. 99,803; Sept. 15; Gaz. vol. 206; p. 872.
- Shomescope Manufacturing Co., Kansas City, Mo. Reflectoroscope. No. 99,026; Aug. 11; Gaz. vol. 205; p. 658.
- Shoninger, Sol. H., Chicago, Ill. Sanitary napkins or surgical bandages. No. 100,437; Oct. 20; Gaz. vol. 207; p. 925.
- Short, Joseph S., New York, N. Y. Edging on wearing-apparel forming the loop to hook or button with. No. 97,730; June 16; Gaz. vol. 203; p. 923.
- Shotwell & Harris, Houston, Tex. Blouses and waists. No. 98,430; July 14; Gaz. vol. 204; p. 671.
- Shreveport Mill & Elevator Company, Shreveport, La. Wheat-flour. No. 97,650; June 16; Gaz. vol. 203; p. 920.
- Shrimplin, Marion, Tonganoxie, Kans. Cultivator-shovels. No. 98,900; Aug. 4; Gaz. vol. 205; p. 302.
- Shubart, John A., York, Pa. Cigars. No. 97,509; June 9; Gaz. vol. 203; p. 596.
- Shultz, Arthur E., Olney, Ill. Certain named seeds. No. 96,354; Apr. 14; Gaz. vol. 201; p. 567.
- Shultz, Arthur E., Olney, Ill. Certain named seeds. No. 98,825; Aug. 4; Gaz. vol. 205; p. 300.
- Shultz Belting Co., St. Louis, Mo. Leather belting. Nos. 95,674-6; Mar. 3; Gaz. vol. 200; p. 275.
- Shuman & Co., A., Boston, Mass. Juvenile suits. No. 98,901; Aug. 4; Gaz. vol. 205; p. 302.
- Sicher, David E.; D. D. and S. A. Sicher, New York, N. Y., executors. Certain named clothing for women and children. No. 100,896; Oct. 27; Gaz. vol. 207; p. 1245.
- Sicher, Dudley D., *et al.*, executors. (See Sicher, David E.)
- Sicher, Samuel A., *et al.*, executors. (See Sicher, David E.)
- Sicre, Auguste F. J. I., Paris, France. Purgative medicine. No. 95,790; Mar. 10; Gaz. vol. 200; p. 579.
- Sidney Blumenthal & Company, New York, N. Y. Plushes and velvets. No. 99,078; Aug. 18; Gaz. vol. 205; p. 1015.
- Sidway, Leverett B., Chicago, Ill. Fresh asparagus. No. 95,232; Feb. 3; Gaz. vol. 199; p. 302.
- Siemens & Company, Gebrüder, Berlin-Lichtenberg, Germany. Certain named electrical apparatus and supplies. No. 99,181; Aug. 18; Gaz. vol. 205; p. 1018.
- Siggers, Edward G., Washington, D. C. Monthly paper. No. 100,168; Oct. 6; Gaz. vol. 207; p. 296.
- Sikes Company, The, Buffalo, N. Y., and Philadelphia, Pa. Certain named furniture. No. 95,948; Mar. 24; Gaz. vol. 200; p. 1111.
- Silex Co., Inc., The, New York, N. Y. Coffee-percolators. No. 97,369; June 2; Gaz. vol. 203; p. 299.
- Silicon Operating Co., Sheridan, Wyo. Cleaning and polishing metal for use on certain materials. No. 95,486; Feb. 17; Gaz. vol. 199; p. 936.
- Silva Bussenius & Company, Charleston, W. Va., and New York, N. Y. Composite fiber and metal packing. No. 97,592; June 16; Gaz. vol. 203; p. 919.
- Silver-Chamberlin Co., Clayton, N. J. Dusters and mops. No. 95,949; Mar. 24; Gaz. vol. 200; p. 1111.
- Silver-Chamberlin Co., Clayton, N. J. Certain named brushes, dusters, and mops. No. 96,725; Apr. 28; Gaz. vol. 201; p. 1216.
- Silver & Co., Brooklyn and New York, N. Y. Coffee. No. 95,233; Feb. 3; Gaz. vol. 199; p. 302.
- Silver & Co., S. L., New York, N. Y. Ladies' coats and suits. No. 101,340; Nov. 24; Gaz. vol. 208; p. 1353.
- Silverberg Import Co., New York, N. Y. Hair-nets. No. 94,952; Jan. 13; Gaz. vol. 198; p. 492.
- Silverberg Import Co., New York, N. Y. Garment-fasteners. No. 97,566; June 9; Gaz. vol. 203; p. 598.
- Simas, Vasconcellos & Co., New Bedford, Mass. Substitute for coffee. No. 98,576; July 21; Gaz. vol. 204; p. 1008.
- Simon, Milton, Salt Lake City, Utah, and Cincinnati, Ohio. Whisky, gin, brandy, rum, and cocktails. No. 101,537; Dec. 22; Gaz. vol. 209; p. 1314.
- Simonds Manufacturing Company, Fitchburg, Mass. Saws and machine-knives. No. 99,027; Aug. 11; Gaz. vol. 205; p. 658.
- Simonds Manufacturing Company, Fitchburg, Mass. Saws. No. 100,897; Oct. 27; Gaz. vol. 207; p. 1245.
- Simons & McGill, New York, N. Y. Umbrellas and parasols. No. 96,914; May 5; Gaz. vol. 202; p. 313.
- Simpkins, W. A., Raleigh, N. C. Cotton-seed. No. 98,577; July 21; Gaz. vol. 204; p. 1008.
- Simpson, John F., Washington, D. C. Ointments and emulsions, preparations for the treatment of certain named diseases. No. 96,197; Apr. 7; Gaz. vol. 201; p. 264.
- Simpson, William W., New Brighton, Pa. Ointment-basis for endermic medicaments. No. 94,837; Jan. 6; Gaz. vol. 198; p. 236.
- Sincarna Company, Inc., The, Baldwin, N. Y. Vegetable extracts and bouillon-cubes. No. 101,224; Nov. 17; Gaz. vol. 208; p. 982.
- Sinclair Manufacturing Company, The, Toledo, Ohio. Chlorid of lime, concentrated lye, borax, and ammonia. No. 95,359; Feb. 10; Gaz. vol. 199; p. 613.
- Sinclair Manufacturing Company, The, Toledo, Ohio. Chlorid of lime, concentrated lye, and powdered borax. No. 99,654; Sept. 8; Gaz. vol. 206; p. 586.
- Sincof Company, South Westville, N. J. Substitute for coffee. No. 100,898; Oct. 27; Gaz. vol. 207; p. 1245.
- Singer Manufacturing Company, Elizabeth, N. J. Lubricating-oil. No. 98,707; July 28; Gaz. vol. 204; p. 1342.
- Sipp Company, George A., Weehawken, N. J. Foot-powders. No. 98,578; July 21; Gaz. vol. 204; p. 1008.
- Sippel, Christian, Chicago, Ill. Effervescent beverage. No. 97,282; May 26; Gaz. vol. 202; p. 1255.
- Sisti, Antonio, Utica, N. Y. Olive-oil. No. 101,054; Nov. 10; Gaz. vol. 208; p. 651.
- Sitroux Importing Co., New York, N. Y. Hair switches and wigs. No. 101,538; Dec. 22; Gaz. vol. 209; p. 1314.
- Skaperdas & Co., New York, N. Y. Fur collars, collarrets, scarfs, and muffs. No. 101,055; Nov. 10; Gaz. vol. 208; p. 651.
- Skinner Engine Company, The, Erie, Pa. Steam-engines. No. 96,544; Apr. 21; Gaz. vol. 201; p. 899.
- Sklamberg, Isadore, Chicago, Ill. Roach and vermin powder. No. 98,826; Aug. 4; Gaz. vol. 205; p. 300.
- Slater, Charles E., Boston, Mass. Leather boots, shoes, and slippers. No. 98,708; July 28; Gaz. vol. 204; p. 1342.
- Slater Mill & Elevator Company, Slater, Mo. Self-rising wheat-flour. Nos. 99,804-5; Sept. 15; Gaz. vol. 206; p. 872.
- Slaughter System, The, St. Louis, Mo. Preparations for treatment of the scalp and hair. No. 99,182; Aug. 18; Gaz. vol. 205; p. 1018.
- Slavitsky, David, Fall River, Mass. Remedy for colds and catarrh. No. 95,569; Feb. 24; Gaz. vol. 199; p. 1241.
- Slaymaker Lock Manufacturing Corporation, The, Lancaster, Pa. Padlocks, door and rim locks, and night-latches. No. 98,709; July 28; Gaz. vol. 204; p. 1342.
- Sleeper, Frederick J., Chicago, Ill. Ceramic paint. No. 101,539; Dec. 22; Gaz. vol. 209; p. 1314.
- Slido Manufacturing Co., Philadelphia, Pa. Lubricating-oils. No. 97,731; June 16; Gaz. vol. 203; p. 923.
- Sloan & Company, Newark, N. J., and New York, N. Y. Jewelry. No. 98,579; July 21; Gaz. vol. 204; p. 1008.
- Sloan Valve Company, Chicago, Ill. Metallic valves, water-closets, and parts thereof. No. 99,361; Aug. 25; Gaz. vol. 205; p. 1320.
- Slocum, Avram & Slocum, Inc., New York, N. Y. Apparatus, machines, and parts thereof for recording and indicating operations of other machines. No. 96,057; Mar. 31; Gaz. vol. 200; p. 1387.
- Smalley, William W. (See Pache, Leigh S., assignor.)
- Smart Shops Publishing Co., Inc., New York, N. Y. Weekly periodicals. No. 101,225; Nov. 17; Gaz. vol. 208; p. 982.
- Smead Manufacturing Company, The, Hastings, Minn. Bandless expanding envelopes. No. 95,163; Feb. 3; Gaz. vol. 199; p. 300.
- Smiley & Co., J. L., Blaine, Wash. Canned salmon. No. 97,651; June 16; Gaz. vol. 203; p. 921.
- Smith, Cecil E., Detroit, Mich. Ointment for treatment of piles. No. 98,203; July 7; Gaz. vol. 204; p. 311.
- Smith, Clarence W., New York, N. Y. Sewing silks, threads, cottons, and yarns. No. 96,058; Mar. 31; Gaz. vol. 200; p. 1387.
- Smith, E. M., Los Angeles, Cal. Stitched and woven belting. No. 100,726; Oct. 20; Gaz. vol. 207; p. 933.
- Smith, George F., Woodsboro, Md. Salve. No. 98,323; July 7; Gaz. vol. 204; p. 315.
- Smith, George H., Fresno, Cal. Remedy for skin diseases. No. 97,283; May 26; Gaz. vol. 202; p. 1255.
- Smith, Gordon, Mobile, Ala. Bread. No. 95,235; Feb. 3; Gaz. vol. 199; p. 302.
- Smith, Helen W., Watkins, N. Y. Remedies for pneumonia, piles, headache, &c. No. 98,580; July 21; Gaz. vol. 204; p. 1008.
- Smith & Hemenway Co., Inc., New York, N. Y. Pliers. No. 100,438; Oct. 20; Gaz. vol. 207; p. 925.
- Smith & Hemenway Company, New York, N. Y. Pliers. No. 96,359; Apr. 14; Gaz. vol. 201; p. 567.
- Smith & Hemenway Company, Inc., New York, N. Y. Certain named tools. No. 97,732; June 16; Gaz. vol. 203; p. 923.
- Smith & Hemenway Company, Inc., New York, N. Y. Electrical connectors and spark-plugs. No. 97,733; June 16; Gaz. vol. 203; p. 923.
- Smith & Hemenway Company, Inc., New York, N. Y. Certain named tools and motors. No. 98,710; July 28; Gaz. vol. 204; p. 1342.
- Smith, Henry A., Elgin and Carpentersville, Ill. Wrenches. No. 98,902; Aug. 4; Gaz. vol. 205; p. 302.
- Smith, John F., Meadow Creek, W. Va. Pile medicine. No. 96,726; Apr. 28; Gaz. vol. 201; p. 1216.
- Smith, Kline & French Co., Philadelphia, Pa. Remedies for children. No. 95,267; Feb. 3; Gaz. vol. 199; p. 303.
- Smith, Kline & French Co., Philadelphia, Pa. Food for infants and invalids. No. 100,169; Oct. 6; Gaz. vol. 207; p. 296.
- Smith, Kline & French Co., Philadelphia, Pa. Remedies for certain named diseases, antiseptic washes, and disinfectants. No. 100,170; Oct. 6; Gaz. vol. 207; p. 296.

Alphabetical list of registrants of trade-marks--Continued.

- Smith, Kline & French Co., Philadelphia, Pa. Laxative. No. 100,638; Oct. 20; Gaz. vol. 207; p. 931.
- Smith, Lycurgus, Mineral Wells, Tex. Mineral waters. No. 96,198; Apr. 7; Gaz. vol. 201; p. 264.
- Smith Manufacturing Co., Atlanta, Ga., and Jacksonville, Fla. Remedy for certain named diseases. No. 99,655; Sept. 8; Gaz. vol. 206; p. 586.
- Smith, Orland V., Milford, Conn. Books of printed coupons. No. 97,004; May 12; Gaz. vol. 202; p. 629.
- Smith, Robert E., Cleveland, Ohio. Preparation for the treatment of certain named diseases. No. 95,266; Feb. 3; Gaz. vol. 199; p. 303.
- Smith & Wesson, Springfield, Mass. Revolvers, pistols, rifles, guns, and ammunition. No. 95,164; Feb. 3; Gaz. vol. 199; p. 300.
- Smoke-Coal Economizer Corporation, The, Baltimore, Md. Compound for application to fuel. No. 101,056; Nov. 10; Gaz. vol. 208; p. 652.
- Smoot, David M., Laneville, W. Va. Liniment. No. 95,570; Feb. 24; Gaz. vol. 199; p. 1241.
- Smuckler, Lena G., Portland, Oreg. Piano and auto polish. No. 96,916; May 5; Gaz. vol. 202; p. 313.
- Snelling, Charles E., Fort Worth, Tex. Syrup for soda-fountain beverages. No. 97,370; June 2; Gaz. vol. 203; p. 299.
- Snow Flake Canning Co., Brunswick, Me. Canned corn. No. 99,911; Sept. 22; Gaz. vol. 206; p. 1159.
- Snow's Fountains Inc., New York, N. Y. Certain non-alcoholic beverages, syrup, and flavoring. No. 101,226; Nov. 17; Gaz. vol. 208; p. 982.
- Sobrinho, Miguel, Tampa, Fla. Antiseptic. No. 95,487; Feb. 17; Gaz. vol. 199; p. 936.
- Società Anonima Italiana Gio. Ansaldo & C., Rome and Genoa, Italy. Certain named machinery and cemented steel articles. No. 101,335; Nov. 24; Gaz. vol. 208; p. 1353.
- Société Anonyme de la Distillerie de la Liqueur Benedictine de l'Abbaye de Fecamp, Fecamp, France. Cordial. No. 95,488; Feb. 17; Gaz. vol. 199; p. 936.
- Société Anonyme de la Distillerie de la Liqueur Benedictine de l'Abbaye de Fecamp, Fecamp, France. Cordial. No. 99,363; Aug. 25; Gaz. vol. 205; p. 1320.
- Société Anonyme de la Distillerie de la Liqueur de Mandarine de Bougie, Algiers, Algeria. Cordials. No. 100,439; Oct. 20; Gaz. vol. 207; p. 925.
- Société Anonyme des Anciens, Etablissements Panhard & Levassor, Paris, France. Band-saws and band-saw strips. No. 95,677; Mar. 3; Gaz. vol. 200; p. 275.
- Société Anonyme des Etablissements Rouzaud "à la Marquise de Sévigné" Chocolat de Royat, Royat les Bains, France. Certain named foods. No. 101,227; Nov. 17; Gaz. vol. 208; p. 982.
- Société Anonyme des Savons De Marseille, Marseille, France. Soap. No. 99,807; Sept. 15; Gaz. vol. 206; p. 872.
- Société Civile du Vignoble de Chateau-Latour, Chateau-Latour, Pauillac, France. Wines. No. 95,165; Feb. 3; Gaz. vol. 199; p. 300.
- Société des Anciens Etablissements Grouvelle et Argueubourg (J. Grouvelle H. Argueubourg et Cie.), Paris, France. Internal-combustion engines, casings for engines or motors, carbureters, and pumps. No. 97,179; May 19; Gaz. vol. 202; p. 949.
- Société des Cirages Français, Paris, France. Boot and shoe blacking. No. 99,912; Sept. 22; Gaz. vol. 206; p. 1159.
- Société Generale des Etablissements Bergougnan, Clermont-Ferrand, France. Rubber tires, treads, and non-skidding treads. No. 96,727; Apr. 28; Gaz. vol. 201; p. 1216.
- Société Internationale de Lumière Froide (Procédés Dussaud), Paris, France. Projection apparatus, films, and photographic plates. No. 96,360; Apr. 14; Gaz. vol. 201; p. 567.
- Société Job, Anciens Etablissements Bardou-Job et Pauilhac, Perpignan, France. Tobacco, snuff, and cigarettes. No. 98,711; July 28; Gaz. vol. 204; p. 1342.
- Société Job, Anciens Etablissements Bardou-Job et Pauilhac, Perpignan, France. Cigarette papers and holders, pipes, &c. No. 99,362; Aug. 25; Gaz. vol. 205; p. 1320.
- Société Rodier, Paris, France. Certain named textile fabrics. No. 97,371; June 2; Gaz. vol. 203; p. 299.
- Société Rodier, Paris, France. Silk piece goods. No. 98,098; June 30; Gaz. vol. 203; p. 1554.
- Société Rodier, Paris, France. Cotton and silk piece goods. No. 101,540; Dec. 22; Gaz. vol. 209; p. 1314.
- Société Rodier, Paris, France. Cotton piece goods. No. 101,541; Dec. 22; Gaz. vol. 209; p. 1314.
- Society of Chemical Industry in Basle, Basel, Switzerland. Certain pharmaceutical product. No. 95,019; Jan. 20; Gaz. vol. 198; p. 700.
- Society of Chemical Industry in Basle, Basel, Switzerland. Oil preparation and emulsion of same used in leather and textile industries. No. 95,571; Feb. 24; Gaz. vol. 199; p. 1241.
- Society of Chemical Industry in Basle, Basel, Switzerland. Certain pharmaceutical product. No. 96,917; May 5; Gaz. vol. 202; p. 313.
- Society of Chemical Industry in Basle, Basel, Switzerland. Olein, &c., oils for the textile industry. No. 96,918; May 5; Gaz. vol. 202; p. 313.
- Society of Chemical Industry in Basle, Basel, Switzerland. Certain pharmaceutical product. No. 97,007; May 12; Gaz. vol. 202; p. 629.
- Society of Chemical Industry in Basle, Basel, Switzerland. Certain pharmaceutical products. No. 98,204; July 7; Gaz. vol. 204; p. 311.
- Society of Chemical Industry in Basle, Basel, Switzerland. Pharmaceutical products made of rice-bran. No. 98,205; July 7; Gaz. vol. 204; p. 311.
- Society of Chemical Industry in Basle, Basel, Switzerland. Certain articles made of acetyl cellulose. No. 99,656; Sept. 8; Gaz. vol. 206; p. 586.
- Society of Chemical Industry in Basle, Basel, Switzerland. Pharmaceutical product applicable in stanching. Nos. 99,808-9; Sept. 15; Gaz. vol. 206; p. 872.
- Society of Chemical Industry in Basle, Basel, Switzerland. Certain named chemical and pharmaceutical preparations. Nos. 99,913-14; Sept. 22; Gaz. vol. 206; p. 1159.
- Society of Chemical Industry in Basle, Basel, Switzerland. Coal-tar colors. Nos. 101,428-9; Dec. 8; Gaz. vol. 209; p. 681.
- Softene Company, The, Canton, Ohio. Water-softening compound. No. 98,324; July 7; Gaz. vol. 204; p. 315.
- Sol Duc Hot Springs Company, Seattle, Wash. Mineral waters. No. 98,827; Aug. 4; Gaz. vol. 205; p. 300.
- Solderall Company, New York, N. Y. Soldering material. No. 100,039; Sept. 29; Gaz. vol. 206; p. 1434.
- Solomon, Morris, New York, N. Y. Silver hollow ware. No. 97,008; May 12; Gaz. vol. 202; p. 629.
- Solomon, Nathan F., St. Louis, Mo. Shoe-polish and shoe-staining preparations. No. 97,906; June 23; Gaz. vol. 203; p. 1258.
- Solen Palmer, New York, N. Y. Toilet soap. No. 99,776; Sept. 15; Gaz. vol. 206; p. 872.
- Somervell Brothers, Netherfield, Kendal, England. Certain boots, shoes, leggings, and gaiters. No. 97,284; May 26; Gaz. vol. 202; p. 1255.
- Sommers Bros. Match Co., Saginaw, Mich. Matches. No. 96,835; May 5; Gaz. vol. 202; p. 311.
- Soukus, Frank, Bayonne, N. J. Ointment. No. 96,201; Apr. 7; Gaz. vol. 201; p. 264.
- South Bend Bread Co., South Bend, Ind. Bread. No. 100,226; Oct. 13; Gaz. vol. 207; p. 606.
- South Holland Milk Corporation, New York, N. Y. Condensed milk. No. 99,810; Sept. 15; Gaz. vol. 206; p. 873.
- Southern Candy Company, Atlanta, Ga. Candy. No. 96,202; Apr. 7; Gaz. vol. 201; p. 264.
- Southern Citrus Corporation, Lynchburg, Va. Citrus fruits. Nos. 95,950-1; Mar. 24; Gaz. vol. 200; p. 1111.
- Southern Citrus Corporation, Lynchburg, Va. Citrus fruits. No. 96,200; Apr. 7; Gaz. vol. 201; p. 264.
- Southern Manufacturing Co., The, Richmond, Va. Baking-powder. No. 98,206; July 7; Gaz. vol. 204; p. 312.
- Southern Syrup Company, Montgomery, Ala. Table-syrups. No. 100,172; Oct. 6; Gaz. vol. 207; p. 296.
- Southern Well Works Co., Chattanooga, Tenn. Certain named well machines or apparatus. No. 97,285; May 26; Gaz. vol. 202; p. 1255.
- Southwestern Milling Company, The, Jersey City, N. J., and Kansas City, Mo. Wheat-flour. No. 95,952; Mar. 24; Gaz. vol. 200; p. 1111.
- Southwestern Milling Company, The, Jersey City, N. J., and Kansas City, Mo. Wheat-flour. No. 96,059; Mar. 31; Gaz. vol. 200; p. 1387.
- Southwestern Milling Company, The, Jersey City, N. J., and Kansas City, Mo. Wheat-flour. No. 101,228; Nov. 17; Gaz. vol. 208; p. 982.
- Spagna A., and L. Clinco, New York, N. Y. Razors. No. 99,364; Aug. 25; Gaz. vol. 205; p. 1320.
- Spahr, Harry M., Baltimore, Md. Laundry bluing. No. 99,657; Sept. 8; Gaz. vol. 206; p. 586.
- Spalding Chemical Co., The, New Haven, Conn. Skin-cream. No. 99,406; Aug. 25; Gaz. vol. 205; p. 1321.
- Sparks Milling Company, Alton, Ill., and Terre Haute, Ind. Wheat-flour. No. 97,652; June 16; Gaz. vol. 203; p. 921.
- Spear & Sons, J. W., Nuremberg-Doos, Germany. Toys and games. No. 101,016; Nov. 3; Gaz. vol. 208; p. 335.
- Spears, Noa, San Antonio, Tex. Medicine for pyorrhea, alveolaris, and diseases of the gums. No. 98,985; Aug. 11; Gaz. vol. 205; p. 657.
- Speicher, Paul J., Gaston, Ind. Brood-coop. No. 99,811; Sept. 15; Gaz. vol. 206; p. 873.
- Spencer Kellogg & Sons, Incorporated, Buffalo, N. Y. Liquid castor-oil. No. 97,145; May 19; Gaz. vol. 202; p. 948.
- Spencer Turbine Cleaner Company, The, Hartford, Conn. Vacuum-testers. No. 98,207; July 7; Gaz. vol. 204; p. 312.
- Spencer & Washington, Atlantic City, N. J. Remedy for the hair and scalp. No. 99,812; Sept. 15; Gaz. vol. 206; p. 873.
- Spero Chemical Co., Cleveland, Ohio. Foot-tablet. No. 100,903; Oct. 27; Gaz. vol. 207; p. 1245.
- Spiegel, May, Stern Company, Chicago, Ill. Suction-sweepers. No. 101,017; Nov. 3; Gaz. vol. 208; p. 335.

Alphabetical list of registrants of trade-marks—Continued.

- Spirella Company, The, Meadville, Pa. Certain named clothing for children and girls. No. 95,791; Mar. 10; Gaz. vol. 200; p. 579.
- Spirella Company, The, Meadville, Pa. Certain named extenders, forms, supporters, protectors, pads, clasps, stocks, belts, and ruffles. No. 95,792; Mar. 10; Gaz. vol. 200; p. 579.
- Spirella Company, The, Meadville, Pa. Certain named clothing for children and girls. No. 95,793; Mar. 10; Gaz. vol. 200; p. 579.
- Spirella Company, The, Meadville, Pa. Certain named extenders, forms, supporters, protectors, pads, clasps, stocks, belts, and ruffles. No. 95,794; Mar. 10; Gaz. vol. 200; p. 597.
- Spirella Company, The, Meadville, Pa. Surgical bandages, belts, and elastic or surgical stockings, abdominal belts, &c. Nos. 95,953-5; Mar. 24; Gaz. vol. 200; p. 1111.
- Spirella Company, The, Meadville, Pa. Corset-covers, underwaists, collars, boots and shoes, &c. No. 97,177; May 19; Gaz. vol. 202; p. 949.
- Spirella Company, Meadville, Pa. Certain fancy goods, furnishings, notions, not of precious metal, for personal wear. No. 97,178; May 19; Gaz. vol. 202; p. 949.
- Spirk, Charles A., Seattle, Wash. Inhalants for nasal and bronchial affections. No. 94,838; Jan. 6; Gaz. vol. 198; p. 236.
- Spitalnik & Bushel New York, N. Y. Salad-oil made from cotton-seed, tomato catsup, and vinegars. No. 100,640; Oct. 20; Gaz. vol. 207; p. 931.
- Splittdorf Electrical Company, Newark, N. J. Electrical dynamos, motors, switches, &c. No. 99,509; Sept. 1; Gaz. vol. 206; p. 310.
- Spokane Fruit Growers' Co., Spokane, Wash. Fresh apples packed in boxes, &c. No. 99,251; Aug. 25; Gaz. vol. 205; p. 1316.
- Spooner, Orin E., Boston, Mass. Oranges, pineapples, lemons, limes, and grape-fruit. No. 94,953; Jan. 13; Gaz. vol. 198; p. 492.
- Sprague Sanitary Shield Co. Inc., Minneapolis, Minn. Sanitary shields. No. 100,639; Oct. 20; Gaz. vol. 207; p. 931.
- Sprague, Warner & Company, Chicago, Ill. Certain named canned fruits, vegetables, and fish. No. 97,009; May 12; Gaz. vol. 202; p. 629.
- Sprague, Warner & Company, Chicago, Ill. Canned corn. No. 98,017; June 30; Gaz. vol. 203; p. 1551.
- Sprague, Warner & Company, Chicago, Ill. Canned peas. No. 98,325; July 7; Gaz. vol. 204; p. 315.
- Spratt's Patent (America) Limited, London, England, and Newark, N. J. Food preparation for poultry, &c. No. 95,956; Mar. 24; Gaz. vol. 200; p. 1111.
- Spratt's Patent (America) Limited, London, England, and Newark, N. J. Food preparation for dogs, cats, poultry, &c. No. 95,957; Mar. 24; Gaz. vol. 200; p. 1111.
- Spratt's Patent (America) Limited, London, England, and Newark, N. J. Food preparation for dogs, cats, poultry, &c. No. 96,203; Apr. 7; Gaz. vol. 201; p. 264.
- Spratt's Patent (America) Limited, London, England, and Newark, N. J. Food preparation for dogs, cats, &c. No. 98,712; July 28; Gaz. vol. 204; p. 1342.
- Spratt's Patent (America) Limited, London, England, and Newark, N. J. Food preparation for poultry and birds. No. 99,252; Aug. 25; Gaz. vol. 205; p. 1316.
- Sprayene Company, Woodstown, N. J. Insecticide. No. 101,542; Dec. 22; Gaz. vol. 209; p. 1314.
- Springfield Metallic Casket Company, The, Springfield, Ohio. Name-plates for caskets. No. 100,727; Oct. 20; Gaz. vol. 207; p. 933.
- Springfield Provision Co., Nashua, N. H., and Chicopee, Mass. Certain named meat products. No. 101,229; Nov. 17; Gaz. vol. 208; p. 982.
- Springfield Seed Company, Springfield, Mo. Seeds. No. 98,581; July 21; Gaz. vol. 204; p. 1009.
- Spurlock-Neal Co., Nashville, Tenn. Remedy for catarrh, hay-fever, and cold in the head. No. 98,209; July 7; Gaz. vol. 204; p. 312.
- St. Jacobs Enterprise Mill Co., St. Louis, Mo., and St. Jacob, Ill. Wheat-flour. No. 101,543; Dec. 22; Gaz. vol. 209; p. 1314.
- St. Jacob's Oil Company, The, Cincinnati, Ohio. Liniment. No. 97,182; May 19; Gaz. vol. 202; p. 949.
- St. John & Company, Mobile, Ala. Cornmeal. No. 94,954; Jan. 13; Gaz. vol. 198; p. 492.
- St. Louis Rubber Manufacturing Company, St. Louis, Mo. Flushing devices for waste-pipes. No. 97,286; May 26; Gaz. vol. 202; p. 1255.
- St. Lucie Fruit Co., The, Southport, Conn., and Stuart, Fla. Fresh grape-fruit, oranges, kumquats, &c. No. 99,658; Sept. 8; Gaz. vol. 206; p. 586.
- St. Paul Rubber Company, St. Paul, Minn. Rain-coats, rubber boots, overshoes, and sandals. No. 96,611; Apr. 21; Gaz. vol. 201; p. 901.
- Stacneck, Steven S., Gilbertville, Mass. Seed-oils for food. No. 97,287; May 26; Gaz. vol. 202; p. 1255.
- Stafford, George A., New York, N. Y. Woven cotton fabrics. Nos. 100,440-1; Oct. 20; Gaz. vol. 207; p. 925.
- Stahel, Alfred, San Diego, Cal. Fireless cookers. No. 96,836; May 5; Gaz. vol. 202; p. 311.
- Stahl, Alfred J., New York, N. Y. Broad silks. No. 101,057; Nov. 10; Gaz. vol. 208; p. 652.
- Stahl and Jaeger Inc., New York, N. Y. Wheat-flour. No. 99,253; Aug. 25; Gaz. vol. 205; p. 1317.
- Standard American Home Supply Company, Wilmington, Del., and Philadelphia, Pa. Ready-mixed paints. No. 95,795; Mar. 10; Gaz. vol. 200; p. 579.
- Standard Brewing Co., New Orleans, La. Beer. No. 99,659; Sept. 8; Gaz. vol. 206; p. 586.
- Standard Company, The, Torrington, Conn. Pedals. No. 97,084; May 19; Gaz. vol. 202; p. 946.
- Standard Company, The, Torrington, Conn. Spark-plugs. No. 97,180; May 19; Gaz. vol. 202; p. 949.
- Standard Electric Incubator Co., New York, N. Y. Certain apparatus and parts therefor for hatching and rearing poultry. No. 99,254; Aug. 25; Gaz. vol. 205; p. 1317.
- Standard Gas Power Company, Atlanta, Ga., and New York, N. Y. Gas-producers. No. 101,544; Dec. 22; Gaz. vol. 209; p. 1314.
- Standard Knitting Mills Company, New York, N. Y. Knitted vests and undershirts. No. 100,904; Oct. 27; Gaz. vol. 207; p. 1245.
- Standard Milling Company, New York, N. Y. Wheat-flour. No. 100,227; Oct. 13; Gaz. vol. 207; p. 606.
- Standard Motor Parts Mfg. Co., Philadelphia, Pa. Mechanically-operated automobile-horns. No. 98,828; Aug. 4; Gaz. vol. 205; p. 300.
- Standard Neckchain Company, Providence, R. I. Jewelry. No. 98,582; July 21; Gaz. vol. 204; p. 1009.
- Standard Oil Company, Richmond, Cal. Liquid gloss and furniture-polish. No. 95,168; Feb. 3; Gaz. vol. 199; p. 300.
- Standard Oil Company, Richmond, Cal. Engine-distillate of petroleum. No. 98,326; July 7; Gaz. vol. 204; p. 315.
- Standard Oil Company, Richmond, Cal. Lubricating oils and greases, refined oil, and gasolene. No. 101,430; Dec. 8; Gaz. vol. 209; p. 681.
- Standard Oil Co. of New York, New York, N. Y. Kerosene-lamps. No. 98,327; July 7; Gaz. vol. 204; p. 315.
- Standard Oil Co. of New York, New York, N. Y. Kerosene-lamps. No. 98,583; July 21; Gaz. vol. 204; p. 1009.
- Standard Oil Co. of New York, New York, N. Y. Illuminating-oils. No. 98,986; Aug. 11; Gaz. vol. 205; p. 657.
- Standard Oil Company of New York, New York, N. Y. Substitute for turpentine. No. 95,170; Feb. 3; Gaz. vol. 199; p. 301.
- Standard Oil Company of New York, New York, N. Y. Refined petroleum. No. 95,171; Feb. 3; Gaz. vol. 199; p. 301.
- Standard Oil Company of New York, New York, N. Y. Certain named oils, candles, greases, and the like. No. 98,431; July 14; Gaz. vol. 204; p. 671.
- Standard Oil Co. of New York, New York, N. Y. Refined oil for illuminating, heating, and power purposes. No. 101,058; Nov. 10; Gaz. vol. 208; p. 652.
- Standard Oil Company of New York, New York, N. Y. Lamp-chimneys. No. 99,255; Aug. 25; Gaz. vol. 205; p. 1317.
- Standard Oil Company of New York, New York, N. Y. Refined petroleum for illuminating, heating, and power purposes. Nos. 99,365-6; Aug. 25; Gaz. vol. 205; p. 1320.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. Motor-spirits, a substitute for gasolene. No. 95,167; Feb. 3; Gaz. vol. 199; p. 300.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. Gas-engine tractor-oil. No. 95,169; Feb. 3; Gaz. vol. 199; p. 300.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. Metal-polish. No. 97,448; June 2; Gaz. vol. 203; p. 301.
- Standard Oil Company of California, San Francisco, Cal. Lubricating-oil. No. 96,204; Apr. 7; Gaz. vol. 201; p. 264.
- Standard Oil Company of Louisiana, Baton Rouge, La. Gasolene, naphtha, oils, and engine-distillate. No. 99,660; Sept. 8; Gaz. vol. 206; p. 586.
- Standard Paint Company, Boundbrook, N. J., and New York, N. Y. Flexible prepared roofings. No. 95,572; Feb. 24; Gaz. vol. 199; p. 1241.
- Standard Paint Company, Boundbrook, N. J., and New York, N. Y. Prepared roofings. Nos. 97,010-12; May 12; Gaz. vol. 202; p. 629.
- Standard Paint Company, Boundbrook, N. J., and New York, N. Y. Prepared roofings. No. 97,288; May 26; Gaz. vol. 202; p. 1255.
- Standard Paint Company, Boundbrook, N. J., and New York, N. Y. Prepared roofings. Nos. 97,449-50; June 2; Gaz. vol. 203; p. 301.
- Standard Paper Company, Indianapolis, Ind. Toilet-paper. No. 99,068; Aug. 11; Gaz. vol. 205; p. 659.
- Standard Paper Mfg. Co., Richmond, Va. Blotting-paper. No. 98,328; July 7; Gaz. vol. 204; p. 315.
- Standard Pneumatic Action Company, New York, N. Y. Pneumatic actions and pumps for musical instruments. No. 101,111; Nov. 10; Gaz. vol. 208; p. 653.
- Standard Portland Cement Company, Charleston, S. C. Portland cement. No. 100,442; Oct. 20; Gaz. vol. 207; p. 925.

Alphabetical list of registrants of trade-marks—Continued.

- Standard Sanitary Manufacturing Company. (See Great Western Pottery Co., assignor.)
- Standard Scale & Supply Company, The, Pittsburgh, Pa. Scales, weighing machinery, &c. No. 100,905; Oct. 27; Gaz. vol. 207; p. 1246.
- Standard Soap Company, West Berkeley, Cal. Laundry soap. No. 96,728; Apr. 28; Gaz. vol. 201; p. 1216.
- Standard Soap Company, West Berkeley, Cal. Toilet and laundry soap. No. 96,729; Apr. 28; Gaz. vol. 201; p. 1216.
- Standard Varnish Works, New York, N. Y. Paint and varnish removers. No. 95,360; Feb. 10; Gaz. vol. 199; p. 613.
- Standard Varnish Works, New York and Port Richmond, N. Y. Enamels, paints, varnishes, and varnish-removers. No. 99,183; Aug. 18; Gaz. vol. 205; p. 1018.
- Standard Woven Fabric Company, Worcester, Mass. Brake-linings and clutch-facings. No. 99,184; Aug. 18; Gaz. vol. 205; p. 1018.
- Stanford Seed Company, Binghamton, N. Y. Seeds. No. 96,730; Apr. 28; Gaz. vol. 201; p. 1216.
- Stanley, Franklin H., Cleveland, Ohio. Butter. No. 100,040; Sept. 29; Gaz. vol. 206; p. 1434.
- Stanley Works, New Britain, Conn. Wrought-steel shelf-brackets. No. 98,432; July 14; Gaz. vol. 204; p. 671.
- Stansbury & Young, York, Pa. Furniture-polish. No. 100,173; Oct. 6; Gaz. vol. 207; p. 296.
- Staples, Charles G., Spokane, Wash. Candies and popcorn. No. 97,181; May 19; Gaz. vol. 202; p. 949.
- Staples & Company, H. F., Medford, Mass. Certain named polishing materials, crack-fillers, and the like. No. 96,205; Apr. 7; Gaz. vol. 201; p. 264.
- Star Brewing Co., Minster, Ohio. Beer. No. 97,568; June 9; Gaz. vol. 203; p. 598.
- Star Company, New York, N. Y. Newspaper-section published periodically. No. 95,678; Mar. 3; Gaz. vol. 200; p. 275.
- Starace, Achille, New York, N. Y. Olive-oil. No. 95,573; Feb. 24; Gaz. vol. 199; p. 1241.
- Starace, Achille, New York, N. Y. Certain named foods. No. 96,464; Apr. 21; Gaz. vol. 201; p. 897.
- Stark Bro's Nurseries & Orchards Co., Louisiana, Mo. Peach-trees. No. 97,013; May 12; Gaz. vol. 202; p. 629.
- Stark Distillery Co., St. Louis, Mo. Whiskies. No. 101,545; Dec. 22; Gaz. vol. 209; p. 1314.
- Starkey & Palen, Philadelphia, Pa. Compound oxygen. No. 99,813; Sept. 15; Gaz. vol. 206; p. 873.
- Starr Piano Company, The, Richmond, Ind. Pianos, piano-cases, and player-pianos. No. 96,612; Apr. 21; Gaz. vol. 201; p. 901.
- Starry, Wallace G., Roy A. and Monte W. Burd, Harrisburg, Pa. Knit or woven underwear and hosiery. No. 98,433; July 14; Gaz. vol. 204; p. 671.
- Statesville Flour Mill Company, Statesville, N. C. Wheat-flour. No. 100,174; Oct. 6; Gaz. vol. 207; p. 296.
- Statesville Flour Mill Company, Corp., Statesville, N. C. Wheat-flour. Nos. 100,041-2; Sept. 29; Gaz. vol. 206; p. 1434.
- Staudt & Co., Berlin, Germany, and Boston, Mass. Hides. No. 101,230; Nov. 17; Gaz. vol. 208; p. 982.
- Stauffer, Eshleman & Co. Ltd., New Orleans, La. Certain named tools. No. 95,020; Jan. 20; Gaz. vol. 198; p. 700.
- Staynes & Smith, W. H., Leicester, England. Certain named skins used for making certain articles. No. 95,172; Feb. 3; Gaz. vol. 199; p. 301.
- Ste. Ame de la Vieille Cure de Cenon, Cénon, France. Liqueurs. No. 97,567; June 9; Gaz. vol. 203; p. 598.
- Ste. Ame. "Le Boro Carbone," Paris, France. Abrasive wheels, blocks, powders, fabrics, and papers. Nos. 99,124-5; Aug. 18; Gaz. vol. 205; p. 1016.
- Steel, Leonard R., Cleveland, Ohio. Buckets, cans, and tubs. No. 95,173; Feb. 3; Gaz. vol. 199; p. 301.
- Steen, Jack F., Cairo, Egypt. Dentifrices. No. 99,126; Aug. 18; Gaz. vol. 205; p. 1016.
- Steere, Franklin H., Providence, R. I. Furniture, &c., polish. No. 99,185; Aug. 18; Gaz. vol. 205; p. 1018.
- Steele, Percy, New York, N. Y. Sauce in bottles. No. 100,175; Oct. 6; Gaz. vol. 207; p. 296.
- Steiger, George W., New York, N. Y. Grape tonic beverage. No. 99,367; Aug. 25; Gaz. vol. 205; p. 1320.
- Steimer & Moore Whip Co., Westfield, Mass. Whips. No. 95,361; Feb. 10; Gaz. vol. 199; p. 613.
- Stein-Bloch Co., The, Rochester, N. Y. Coats. No. 100,907; Oct. 27; Gaz. vol. 207; p. 1246.
- Stein, Charles M., New York, N. Y. Remedy for eczema, ringworm, pimples, itch, &c. No. 98,584; July 21; Gaz. vol. 204; p. 1009.
- Stein, Charles M., New York, N. Y. Salves, ointments, liniments, and tooth-soap. No. 100,906; Oct. 27; Gaz. vol. 207; p. 1246.
- Stein & Co., S., New York, N. Y. Woolen piece goods. No. 98,585; July 21; Gaz. vol. 204; p. 1009.
- Steinberg Bros. Inc., New York, N. Y. Dress-skirts and underskirts for women. No. 100,641; Oct. 20; Gaz. vol. 207; p. 931.
- Steiner, Emil E., Lowell, Wash. Carbonated soda-fountain beverage and syrup for manufacturing same. No. 98,329; July 7; Gaz. vol. 204; p. 315.
- Steiner, Firm of S. S., New York, N. Y. Hops. No. 101,336; Nov. 24; Gaz. vol. 208; p. 1353.
- Steinert, Rudolph, New Haven, Conn. Phonograph-needles. No. 95,489; Feb. 17; Gaz. vol. 199; p. 936.
- Steinhilber Drug Company, The, New York, N. Y. Remedy for gall-stones and gravel. No. 97,569; June 9; Gaz. vol. 203; p. 598.
- Steinicke and Apicella, Long Island City, N. Y. Alkaline antiseptic. No. 95,490; Feb. 17; Gaz. vol. 199; p. 936.
- Steinwender-Stoffregen Coffee Co., St. Louis, Mo. Roasted coffee. Nos. 99,661-2; Sept. 8; Gaz. vol. 206; p. 586.
- Stenography and Reporting Company, The, Trenton, N. J. Certain papers, envelopes, cards, rubber erasers, &c. No. 96,362; Apr. 14; Gaz. vol. 201; p. 567.
- Stenography & Reporting Company, The, Trenton, N. J. Type-writer ribbons and carbon-paper. No. 99,069; Aug. 11; Gaz. vol. 205; p. 659.
- Stenotype Co., Incorporated, The, Indianapolis, Ind. Writing-paper. No. 97,734; June 16; Gaz. vol. 203; p. 923.
- Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Candy confections. Nos. 95,968-9; Mar. 24; Gaz. vol. 200; p. 1112.
- Stephen F. Whitman & Son, Incorporated, Philadelphia, Pa. Certain paste-like mass used as an article of confectionery. No. 99,374; Aug. 25; Gaz. vol. 205; p. 1320.
- Stephen Sanford & Sons, Inc., Amsterdam, N. Y. Textile rugs, mats, and carpets. No. 96,193; Apr. 7; Gaz. vol. 201; p. 264.
- Stephen Sanford & Sons, Inc., Amsterdam, N. Y. Textile rugs, mats, and carpets. No. 97,362; June 2; Gaz. vol. 203; p. 298.
- Stephenson, Charles H., Lynn, Mass. Garbage and refuse receptacles. No. 97,289; May 26; Gaz. vol. 202; p. 1255.
- Stephenson, Charles H., Lynn, Mass. Garbage and refuse receptacles. No. 98,330; July 7; Gaz. vol. 204; p. 315.
- Sterling Company, The. (See Autosoles Gum and Chocolate Company, assignor.)
- Sterling Gum Company. (See Bon-Bon Company, assignor.)
- Stern Brothers, New York, N. Y. Hosiery. No. 95,796; Mar. 10; Gaz. vol. 200; p. 579.
- Stern & Saalberg Company, The, New York, N. Y. Chewing-gum. No. 100,444; Oct. 20; Gaz. vol. 207; p. 925.
- Stetson Manufacturing Company, The, Cleveland, Ohio. Devices for sound-boxes of sound-reproducing instruments, &c. No. 99,128; Aug. 18; Gaz. vol. 205; p. 1016.
- Stevens, John A., Lowell, Mass. Steam-boilers and parts thereof. No. 100,908; Oct. 27; Gaz. vol. 207; p. 1246.
- Stewart & Bacharach, New York, N. Y. Caps. No. 97,570; June 9; Gaz. vol. 203; p. 598.
- Stewart Dickson & Co., Inc., New York, N. Y. Steam and hydraulic packings. No. 98,260; July 7; Gaz. vol. 204; p. 313.
- Stewart Food Company, Chicago, Ill. Powder for making a laxative tonic beverage. No. 99,915; Sept. 22; Gaz. vol. 206; p. 1159.
- Stewart Fruit Company, Los Angeles and San Francisco, Cal. Certain named fresh fruits. No. 95,958; Mar. 24; Gaz. vol. 200; p. 1112.
- Stewart & Holmes Drug Company, Seattle, Wash. Medicines. No. 97,451; June 2; Gaz. vol. 203; p. 301.
- Stewart, John H., Dundee, Scotland. Blended whisky. No. 95,959; Mar. 24; Gaz. vol. 200; p. 1112.
- Stewart-Warner Speedometer Corporation, Chicago, Ill. Temperature-indicating instruments. No. 98,713; July 28; Gaz. vol. 204; p. 1342.
- Stickley, Gustav, New York, N. Y. Plans and specifications for houses and bungalows. No. 99,511; Sept. 1; Gaz. vol. 206; p. 310.
- Stieff and Company, Charles C., Baltimore, Md. Pocket, table, and kitchen knives, scissors, and shears. No. 101,337; Nov. 24; Gaz. vol. 208; p. 1353.
- Stifel & Sons, J. L., Wheeling, W. Va. Cotton piece goods. No. 97,085; May 19; Gaz. vol. 202; p. 946.
- Stiles, Arthur G., trustee. (See John H. Woodbury Dermatological Institute.)
- Stirn, L. & E., New York, N. Y. Cotton piece goods. No. 100,642; Oct. 20; Gaz. vol. 207; p. 931.
- Stockholms Superfosfat Fabriks Aktiebolag, Stockholm, Sweden. Fertilizers. No. 101,018; Nov. 3; Gaz. vol. 208; p. 335.
- Stoeger, Conrad, Chicago, Ill. Non-intoxicating beverage. No. 100,176; Oct. 6; Gaz. vol. 207; p. 296.
- Stohr, Dr. Franz, Vienna, Austria-Hungary. Medicated purgative confections. No. 98,209; July 7; Gaz. vol. 204; p. 312.
- Stohr, Franz, Vienna, Austria-Hungary. Laxatives. No. 99,512; Sept. 1; Gaz. vol. 206; p. 310.
- Stollwerck, Henry V., New York, N. Y. Liquid cocoa, chocolate, pudding and jelly powders, and whipped cream. No. 100,643; Oct. 20; Gaz. vol. 207; p. 931.
- Stolworthy, Richard M., Cincinnati, Ohio. Preparation for prevention and treatment of hay-fever. No. 100,043; Sept. 29; Gaz. vol. 206; p. 1434.
- Stone, Galen L., et al., trustees. (See Amoskeag Manufacturing Company, assignor.)

Alphabetical list of registrants of trade-marks—Continued.

- Stone Hill Wine Company, Hermann, Mo. Wines. No. 95,574; Feb. 24; Gaz. vol. 199; p. 1241.
- Stone Hill Wine Company, Hermann, Mo. Wines. No. 96,206; Apr. 7; Gaz. vol. 201; p. 264.
- Stone Hill Wine Company, Hermann, Mo. Whiskies. No. 98,987; Aug. 11; Gaz. vol. 205; p. 657.
- Stone, Joseph W., Boston, Mass. Dresses. No. 97,510; June 9; Gaz. vol. 203; p. 596.
- Stone-Ordean-Wells Company, Duluth, Minn. Salt, laundry starch, ammonia, and bluing. No. 95,021; Jan. 20; Gaz. vol. 198; p. 700.
- Stone-Ordean-Wells Company, Duluth, Minn. Tea. No. 97,183; May 19; Gaz. vol. 202; p. 949.
- Stone-Ordean-Wells Company, Duluth, Minn. Coffee and tea. No. 97,653; June 16; Gaz. vol. 203; p. 921.
- Stone-Ordean-Wells Company, Duluth, Minn. Certain named foods. No. 98,434; July 14; Gaz. vol. 204; p. 671.
- Stone-Ordean-Wells Company, Duluth, Minn. Certain named foods. No. 100,177; Oct. 6; Gaz. vol. 207; p. 296.
- Stoneypher, James H., Westminster, S. C. Insect-destructor. No. 98,210; July 7; Gaz. vol. 204; p. 312.
- Stoneman & Son, M. G., Albany, N. Y. Varnish. No. 100,044; Sept. 29; Gaz. vol. 206; p. 1434.
- Stones, William, Manchester, England. Tooth-powder. No. 98,587; July 21; Gaz. vol. 204; p. 1009.
- Stork Company, The, Boston, Mass. Certain clothing for infants and children, certain named knit garments. No. 94,955; Jan. 13; Gaz. vol. 198; p. 492.
- Storm Shield Mfg. Co., Chicago, Ill. Storm-shields for automobiles, locomotives, &c. No. 97,452; June 2; Gaz. vol. 203; p. 301.
- Stover, George H., New Dorp, assignor to A. R. Watson, New York, N. Y. Monthly periodicals. No. 96,731; Apr. 23; Gaz. vol. 201; p. 1216.
- Strader, Frank D., Madison, Wis. Preparation for the treatment of asthma. No. 98,829; Aug. 4; Gaz. vol. 205; p. 300.
- Stratton, Marie T., assignor to C. Bruno & Son, Inc., New York, N. Y. Gut musical-instrument strings. No. 101,112; Nov. 10; Gaz. vol. 208; p. 653.
- Stratton, Marie T., assignor to C. Bruno & Son, Inc., New York, N. Y. Stringed musical instruments and gut strings. No. 101,113; Nov. 10; Gaz. vol. 208; p. 653.
- Strauss Bros. & Co., New York, N. Y. Braids and edgings. No. 96,363; Apr. 14; Gaz. vol. 201; p. 567.
- Strauss Bros. & Co., New York, N. Y. Hair-nets. No. 97,372; June 2; Gaz. vol. 203; p. 299.
- Strauss Bros. & Co., New York, N. Y. Mouth-harmonicas. No. 98,331; July 7; Gaz. vol. 204; p. 315.
- Strauss Bros. & Co., New York, N. Y. Braids. No. 100,645; Oct. 20; Gaz. vol. 207; p. 931.
- Strauss, Carl, Paris, France. Blouses and dresses. No. 100,644; Oct. 20; Gaz. vol. 207; p. 931.
- Stripling-Jenkins Co., The, Fort Worth, Tex. Certain named women's clothing. No. 97,373; June 2; Gaz. vol. 203; p. 299.
- Strobel & Wilken Company, The, Cincinnati, Ohio, and New York, N. Y. Dolls. No. 97,374; June 2; Gaz. vol. 203; p. 299.
- Strohmeyer & Arpe Company, New York, N. Y. Canned vegetables, fruits, and fish. No. 94,956; Jan. 13; Gaz. vol. 198; p. 492.
- Strohmeyer & Arpe Company, New York, N. Y. Canned fish. No. 95,236; Feb. 3; Gaz. vol. 199; p. 302.
- Strohmeyer & Arpe Company, New York, N. Y. Cigars, cigarettes, and manufactured tobaccos. No. 95,679; Mar. 3; Gaz. vol. 200; p. 275.
- Strohmeyer & Arpe Company, New York, N. Y. Certain named foods. No. 96,207; Apr. 7; Gaz. vol. 201; p. 264.
- Strong & Trowbridge Co., The, New York, N. Y. Whisky. No. 101,059; Nov. 10; Gaz. vol. 208; p. 652.
- Stroschein, Johann E., Berlin, Germany. Cod-liver oil and oil emulsions. No. 98,211; July 7; Gaz. vol. 204; p. 312.
- Strout, Elbridge S., New York, N. Y. Mixed woolen piece goods. No. 98,332; July 7; Gaz. vol. 204; p. 315.
- Struthers Co., Peoria, Ill. Lightning-rods and parts thereof and accessories therefor. No. 98,212; July 7; Gaz. vol. 204; p. 312.
- Stuart-American Products Company, Memphis, Tenn. Gas and oil burners. No. 99,256; Aug. 25; Gaz. vol. 205; p. 1317.
- Studebaker, Dave, West New York, N. J. Medicinal salve. No. 101,341; Nov. 24; Gaz. vol. 208; p. 1353.
- Styron-Beggs Company, The, Newark, Ohio. Certain named foods. No. 97,086; May 19; Gaz. vol. 202; p. 946.
- Styron-Beggs Company, The, Newark, Ohio. Certain named chemicals, medicines, and pharmaceutical preparations. No. 101,342; Nov. 24; Gaz. vol. 208; p. 1353.
- Success Novelty Ads Co., Inc., New York, N. Y. Needles for hand-sewing. No. 99,663; Sept. 8; Gaz. vol. 206; p. 587.
- Succinolac Company, The, New York, N. Y., assignor to O. C. Earp-Thomas, Bloomfield, N. J. Culture of *Bacillus Bulgaricus*. No. 101,019; Nov. 3; Gaz. vol. 208; p. 335.
- Suchard, S. A., Serrieres, Switzerland. Chocolat fondant. No. 94,957; Jan. 13; Gaz. vol. 198; p. 492.
- Suffern & Company, New York, N. Y. Dates. No. 94,958; Jan. 13; Gaz. vol. 198; p. 492.
- Sullivan, James F., Camden, N. J. Dressing for white shoes. No. 100,646; Oct. 20; Gaz. vol. 207; p. 931.
- Sullivan Machinery Company, Chicago, Ill., assignor to Claremont Machinery Company, Boston, Mass. Quarterly publications. No. 97,014; May 12; Gaz. vol. 202; p. 629.
- Sullivan, Mary, Buffalo, N. Y. Hair-tonic. No. 96,545; Apr. 21; Gaz. vol. 201; p. 899.
- Sullivan, McMahan, Buck & Wisner, Memphis, Tenn. Soda-water, limeade, orangeade, &c. No. 99,513; Sept. 1; Gaz. vol. 206; p. 310.
- Sullovay, Alvah W., et al., trustees. (See Amoskeag Manufacturing Company, assignor.)
- Sullovay Mills, Franklin, N. H. Hosiery. No. 95,130; Feb. 3; Gaz. vol. 199; p. 299.
- Sullovay Mills, Franklin, N. H. Hosiery. Nos. 96,530-1; Apr. 21; Gaz. vol. 201; p. 899.
- Sulzberger & Sons Company, New York, N. Y. Apple-butter, fruit jellies, jams, and preserves. No. 98,435; July 14; Gaz. vol. 204; p. 671.
- Sulzberger & Sons Company, New York, N. Y. Fruit jellies and jams. No. 98,436; July 14; Gaz. vol. 204; p. 671.
- Summers, Robert L., Brookline, Mass. Leather boots and shoes. No. 95,362; Feb. 10; Gaz. vol. 199; p. 613.
- Sun Typewriter Company, Newark, N. J., and New York, N. Y. Adding and recording machines. No. 100,178; Oct. 6; Gaz. vol. 207; p. 296.
- Sundell, Gustaf B., Stockholm, Sweden. Oil-cups. No. 97,453; June 2; Gaz. vol. 203; p. 301.
- Sunset Packing Company, The, West Pembroke, Me., and New York, N. Y. Canned herring. No. 98,213; July 7; Gaz. vol. 204; p. 312.
- Sunset Packing Company, The, West Pembroke, Me., and New York, N. Y. Sardines. No. 98,588; July 21; Gaz. vol. 204; p. 1009.
- Sunshine, Monroe, New York, N. Y. Gas-heated sad-irons and metal supports for same. No. 98,333; July 7; Gaz. vol. 204; p. 315.
- Superior Peanut Company. (See Clark, George E., assignor.)
- Superior Peanut Company, Cleveland, Ohio. Salted peanuts. No. 95,680; Mar. 3; Gaz. vol. 200; p. 275.
- Superior Peanut Company, Cleveland, Ohio. Salted peanuts. No. 100,647; Oct. 20; Gaz. vol. 207; p. 931.
- Surbrug Company, The, Hoboken, N. J. Smoking-tobacco. No. 95,269; Feb. 3; Gaz. vol. 199; p. 303.
- Surbrug, Firm of J. W., New York, N. Y. Fruit laxatives. No. 101,020; Nov. 3; Gaz. vol. 208; p. 335.
- Surbrug, Firm of J. W., New York, N. Y. Medically-prepared petroleum-oil for use in certain named disorders. No. 101,546; Dec. 22; Gaz. vol. 209; p. 1314.
- Susskind & Co., J. N., Philadelphia, Pa. Caps. No. 95,797; Mar. 10; Gaz. vol. 200; p. 579.
- Sussman, Paul, New York, N. Y. Cheeses. No. 99,664; Sept. 8; Gaz. vol. 206; p. 587.
- Sutherland, R. R., Riverside, Cal. Citrus fruit. Nos. 100,045-6; Sept. 29; Gaz. vol. 206; p. 1434.
- Suydam, John H., Walkerville, Mont. Ointment. No. 95,268; Feb. 3; Gaz. vol. 199; p. 303.
- Suzuki, Tozaburo, Sunamura, Japan. Certain named foods. No. 96,837; May 5; Gaz. vol. 202; p. 311.
- Suzuki, Tozaburo, Sunamura, Japan. Petroleum, vegetable and fish oils, mineral wax, &c. No. 101,600; Dec. 29; Gaz. vol. 209; p. 1688.
- Swaab, San & Marqusee, Philadelphia, Pa. Cigars, cigarettes, cheroots, and tobacco. No. 99,814; Sept. 15; Gaz. vol. 206; p. 873.
- Swabine Co., The, Cleveland, Ohio. Remedy for certain named diseases. No. 100,179; Oct. 6; Gaz. vol. 207; p. 296.
- Swan, Lyman H., Los Angeles, Cal. Preparation for the treatment of hog-cholera and disinfectant. No. 101,338; Nov. 24; Gaz. vol. 208; p. 1353.
- Swan Remedy Co., Milwaukee, Wis. Preparation for treatment of hog-cholera. No. 101,021; Nov. 3; Gaz. vol. 208; p. 335.
- Sweeney, Patrick M., Cincinnati, Ohio. Laces. No. 95,174; Feb. 3; Gaz. vol. 199; p. 301.
- Sweet & Co., W. L., New York, N. Y. Wheat, rye, and Graham flour, and cornmeal. No. 98,437; July 14; Gaz. vol. 204; p. 671.
- Sweet, Orr & Co., Inc., New York, N. Y. Overalls, trousers, shirts. No. 100,648; Oct. 20; Gaz. vol. 207; p. 931.
- Sweet Valley Wine Company, Sandusky, Ohio. Wines. No. 96,546; Apr. 21; Gaz. vol. 201; p. 899.
- Swift and Company, Chicago, Ill. Toilet soap. No. 98,714; July 28; Gaz. vol. 204; p. 1342.
- Swift and Company, Chicago, Ill. Toilet soap. Nos. 98,830-1; Aug. 4; Gaz. vol. 205; p. 300.
- Swift and Fisher, North Attleboro, Mass. Certain named gold and silver jewelry. No. 100,047; Sept. 29; Gaz. vol. 207; p. 1434.
- Swindell Brothers, Baltimore, Md. Nursing-bottles. No. 98,334; July 7; Gaz. vol. 204; p. 315.
- Swiss Drug Company, Findlay, Ohio. Ointment and salves. No. 100,048; Sept. 29; Gaz. vol. 206; p. 1434.

Alphabetical list of registrants of trade-marks—Continued.

- Sydney Ross Co., The, New York, N. Y. Remedies for bowel and liver diseases. No. 97,505; June 9; Gaz. vol. 203; p. 596.
- Symonett, Charles C., Live Oak, Fla. Cigars, cigarettes, and tobacco. No. 97,654; June 16; Gaz. vol. 203; p. 921.
- Symphony Cocktail Company, Chicago, Ill. Cocktail ingredients. No. 96,364; Apr. 14; Gaz. vol. 201; p. 567.
- Syrolit Limited, London, England. Preparation of casein. No. 97,790; June 16; Gaz. vol. 203; p. 925.
- Szecsényi, Aranka, Detroit, Mich. Remedy for heart trouble. No. 99,916; Sept. 22; Gaz. vol. 206; p. 1159.
- T. A. Willson & Co., Inc., Reading, Pa. Automobile-goggles. No. 99,526; Sept. 1; Gaz. vol. 206; p. 310.
- T. and C. Publishing Corporation, New York, N. Y. Monthly publication. No. 100,910; Oct. 27; Gaz. vol. 207; p. 1246.
- T. D. Cook & Co., Boston, Mass. Ice-creams and ices. No. 99,949; Sept. 29; Gaz. vol. 206; p. 1431.
- T. H. E. Sales Company, New York, N. Y. Laundry-washing machines. No. 96,721; Apr. 28; Gaz. vol. 201; p. 1216.
- T. V. Moreau Company, Minneapolis, Minn. Eye-water. No. 100,587; Oct. 20; Gaz. vol. 207; p. 929.
- Tabor Manufacturing Company, The, Philadelphia, Pa. Molding machinery used in casting metals. No. 100,911; Oct. 27; Gaz. vol. 207; p. 1246.
- Taft, Lillian L., Boston, Mass. Petticoats. No. 100,649; Oct. 20; Gaz. vol. 207; p. 931.
- Talens & Son, Irvington, N. J. Artists' colors. No. 96,547; Apr. 21; Gaz. vol. 201; p. 899.
- Tamaki, Tadajiro, Seattle, Wash. Diastase tablets. No. 101,232; Nov. 17; Gaz. vol. 208; p. 982.
- Tamm, Adolph, St. Louis, Mo. Cold, &c., creams, face, &c., powders, and skin-lotion. No. 100,181; Oct. 6; Gaz. vol. 207; p. 296.
- Tampa Varnish Company, Tampa, Fla. Floor and furniture oil. No. 99,369; Aug. 25; Gaz. vol. 205; p. 1320.
- Tanaka, Taziyomon, Chicago, Ill. Baking-powders. No. 100,445; Oct. 20; Gaz. vol. 207; p. 925.
- Tanke, Otto W., Chicago, Ill. Detergent. No. 96,732; Apr. 28; Gaz. vol. 201; p. 1216.
- Tatro, Henry, Burlington, Vt. Soap. No. 99,815; Sept. 15; Gaz. vol. 206; p. 873.
- Taube, Emil, Philadelphia, Pa. Oleomargarin. No. 99,665; Sept. 8; Gaz. vol. 206; p. 587.
- Taylor-Bayne Drug Company, Macon, Ga. Non-alcoholic carbonated beverage. No. 97,791; June 16; Gaz. vol. 203; p. 925.
- Taylor-Burt Co., The, Holyoke, Mass. Paper for printing purposes. No. 98,832; Aug. 4; Gaz. vol. 205; p. 300.
- Taylor Instrument Companies, Rochester, N. Y. Mariners' compasses. No. 97,908; June 23; Gaz. vol. 203; p. 1258.
- Taylor Instrument Companies, Rochester, N. Y. Magnetic compasses. No. 98,715; July 28; Gaz. vol. 204; p. 1342.
- Taylor, J. Zachary, Baltimore, Md. Ice-cream. No. 95,491; Feb. 17; Gaz. vol. 199; p. 936.
- Taylor-Wharton Iron & Steel Co., High Bridge, N. J. Steel and iron castings and forgings. No. 98,438; July 14; Gaz. vol. 204; p. 671.
- Teitelbaum, Isidor, Cleveland, Ohio. Cigars. No. 99,917; Sept. 22; Gaz. vol. 206; p. 1159.
- Ten Broeck Tyre Co., Louisville, Ky. Tire-treads. No. 96,365; Apr. 14; Gaz. vol. 201; p. 567.
- Terranova-Industrie C. A. Kapferer & Co., Freihung, Germany. Certain named materials for artificial-stone work. No. 95,681; Mar. 3; Gaz. vol. 200; p. 275.
- Tetlow, Clara, Philadelphia, Pa. Face-powder. No. 99,514; Sept. 1; Gaz. vol. 206; p. 310.
- Tetlow, Clara, Philadelphia, Pa. Face and talcum powders. No. 99,515; Sept. 1; Gaz. vol. 206; p. 310.
- Tetlow Co., Henry. (See Tetlow, Firm of Joseph, assignor.)
- Tetlow, Firm of Joseph, assignor to Henry Tetlow Co., Philadelphia, Pa. Face, toilet, and talcum powders. No. 96,465; Apr. 21; Gaz. vol. 201; p. 897.
- Teweles & Co., L., Milwaukee, Wis. Grass and field seeds. Nos. 96,733-5; Apr. 28; Gaz. vol. 201; p. 1216.
- Teweles & Co., L., Milwaukee, Wis. Grass and field seeds. No. 97,015; May 12; Gaz. vol. 202; p. 629.
- Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y. Composition roofing. No. 97,571; June 9; Gaz. vol. 203; p. 598.
- Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Naphtha, benzin, and gasoline. No. 100,049; Sept. 29; Gaz. vol. 206; p. 1434.
- Texas Company, Port Arthur, Tex., and New York, N. Y. Certain named roofing and roof-coating composition. No. 99,130; Aug. 18; Gaz. vol. 205; p. 1016.
- Texas Company, The, Port Arthur, Tex., and New York, N. Y. Composition felt roofing. No. 100,446; Oct. 20; Gaz. vol. 207; p. 925.
- Texas Fire and Water Proof Paint Company, Houston, Tex. Dry, paste, and ready-mixed paint. No. 100,912; Oct. 27; Gaz. vol. 207; p. 1246.
- Texas Refining Company, Greenville, Tex. Cooking-oil. No. 96,466; Apr. 21; Gaz. vol. 201; p. 897.
- Thayer-Buck Electric Co., Farmington, N. H. Outlet-boxes. No. 97,185; May 19; Gaz. vol. 202; p. 949.
- Theinhardt's Nährmittel-Gesellschaft G. m. b. H., Dr., Stuttgart-Cannstatt, Germany. Prepared foods for infants and invalids. No. 99,070; Aug. 11; Gaz. vol. 205; p. 659.
- Theobald, Margareth, New York, N. Y. Sanitary napkins. No. 96,366; Apr. 14; Gaz. vol. 201; p. 567.
- Theobald and Son Co., The, Columbus, Ohio. Brandy. No. 95,175; Feb. 3; Gaz. vol. 199; p. 301.
- Thermold Rubber Company, Hamilton township, Mercer county, N. J. Rubber automobile tires and inner tubes. No. 96,060; Mar. 31; Gaz. vol. 200; p. 1387.
- Thibault, Martha, Paris, France. Preparations for the treatment of varicose veins and ulcers, piles, &c. No. 100,182; Oct. 6; Gaz. vol. 207; p. 296.
- Thiele Laboratories Company, Columbus and Upper Sandusky, Ohio. Treatment and prevention of hog-cholera. No. 101,475; Dec. 15; Gaz. vol. 209; p. 1050.
- Thiele Laboratories Company, The, Columbus and Upper Sandusky, Ohio. Treatment and prevention of hog-cholera. No. 101,547; Dec. 22; Gaz. vol. 209; p. 1314.
- Thieme Bros. Co., Fort Wayne, Ind. Hose. No. 99,028; Aug. 11; Gaz. vol. 205; p. 658.
- Thimsen, Carl A., Modesto, Cal. Bread. No. 97,186; May 19; Gaz. vol. 202; p. 949.
- Thom, Burton P., New York, N. Y. Douche-powders. No. 98,988; Aug. 11; Gaz. vol. 205; p. 657.
- Thomas G. Plant Company, Boston, Mass. Boots, shoes, and slippers. No. 97,273; May 26; Gaz. vol. 202; p. 1255.
- Thomas Manufacturing Company, The, Dayton, Ohio. Oil-lamps. No. 101,431; Dec. 8; Gaz. vol. 209; p. 681.
- Thomas, Mary R., Boston, Mass. Character-dolls. No. 101,603; Dec. 29; Gaz. vol. 209; p. 1688.
- Thomas, Robert G., New York, N. Y. Coffee. No. 97,655; June 16; Gaz. vol. 203; p. 921.
- Thompson and Company, James, New York, N. Y. Canopies for beds. No. 98,439; July 14; Gaz. vol. 204; p. 671.
- Thompson, Girard E., Chatham, Va. Liver-pills. No. 95,798; Mar. 10; Gaz. vol. 200; p. 579.
- Thompson Milling Company, Lockport, N. Y. Wheat-flour. No. 100,228; Oct. 13; Gaz. vol. 207; p. 606.
- Thompson, Ralph, Boston, Mass. Electrical metal-cleaning apparatus. No. 96,548; Apr. 21; Gaz. vol. 201; p. 899.
- Thomsen Chemical Co., Baltimore, Md. Fungicides and insecticides. No. 97,087; May 19; Gaz. vol. 202; p. 946.
- Thornhill, Elbridge C., Hutchinson, Kans. Stock food. No. 95,960; Mar. 24; Gaz. vol. 200; p. 1112.
- Thornton & Chester Milling Co., Buffalo, N. Y. Wheat-flour. No. 95,961; Mar. 24; Gaz. vol. 200; p. 1112.
- Thos. Cusack Company, Chicago, Ill. Paint-paste. No. 99,437; Sept. 1; Gaz. vol. 206; p. 307.
- Three Kays Carbon Compound Company. (See Olin, Abraham S., assignor.)
- 3-L Remedy Company, Harrisburg, Pa. Tablets for certain diseases. No. 97,171; May 19; Gaz. vol. 202; p. 949.
- Thumb, Eugene W., Chicago, Ill. Furniture and wood polishes and lacquers. No. 97,909; June 23; Gaz. vol. 203; p. 1258.
- Thüringische Nadel- & Stahlwaren-Fabrik Wolff, Knippenberg & Co. Actien-Gesellschaft, Ichtershausen, Germany. Sewing and crochet needles, safety-pins, and hair-pins. No. 95,799; Mar. 10; Gaz. vol. 200; p. 579.
- Thüringische Nadel- & Stahlwaren-Fabrik Wolff, Knippenberg & Co. Actien-Gesellschaft, Ichtershausen, Germany. Sewing and crochet needles, safety and hair pins. No. 95,853; Mar. 17; Gaz. vol. 200; p. 854.
- Tietig & Son, Arnold, Cincinnati, Ohio. Cigars. No. 96,736; Apr. 28; Gaz. vol. 201; p. 1216.
- Tiffany Furnaces, Corona, N. Y. Glass panels for lamp-shades. No. 97,910; June 23; Gaz. vol. 203; p. 1258.
- Tiger Fence & Machine Company, Clarksville, Tenn. Metal fencing. No. 98,716; July 28; Gaz. vol. 204; p. 1342.
- Tilden Company, The, New Lebanon, N. Y., and St. Louis, Mo. Remedy for eczema. No. 96,549; Apr. 21; Gaz. vol. 201; p. 899.
- Tilden-Thurber Co., Providence, R. I. Brushes. No. 94,839; Jan. 6; Gaz. vol. 198; p. 236.
- Tilghman, William G., Palatka, Fla. Shingles. No. 95,575; Feb. 24; Gaz. vol. 199; p. 1241.
- Tilghman, William G., Palatka, Fla. Shingles. No. 96,367; Apr. 14; Gaz. vol. 201; p. 567.
- Tillmann & Bendel, San Francisco, Cal. Petroleum or kerosene oil. No. 100,050; Sept. 29; Gaz. vol. 206; p. 1434.
- Tilney, Farrar, New York, N. Y. Bread. No. 98,903; Aug. 4; Gaz. vol. 205; p. 302.
- Tim & Co., New York and Troy, N. Y. Shirts, underwear, pajamas, collars and cuffs, &c. No. 99,129; Aug. 18; Gaz. vol. 205; p. 1016.
- Timber Fireproofing Company, Limited, The, London, England. Fireproof timber. No. 99,816; Sept. 15; Gaz. vol. 206; p. 873.
- Timothy F. Crowley, Inc., New York, N. Y. Ladies' guimpes or semiwaists. No. 98,369; July 14; Gaz. vol. 204; p. 669.
- Timothy F. Crowley, Incorporated, New York, N. Y. Ladies' collars. No. 98,486; July 21; Gaz. vol. 204; p. 1006.

Alphabetical list of registrants of trade-marks--Continued.

- Tioga Mill & Elevator Company, Waverly, N. Y. Scratch and chick feed, middlings, and cracked corn. No. 99,666; Sept. 8; Gaz. vol. 206; p. 587.
- Tipton, Malcolm R., Portland, Oreg. Liniment, medicines, and remedies for certain named diseases. No. 95,329; Feb. 10; Gaz. vol. 199; p. 612.
- To-Kalon Manufacturing Company, The, Syracuse, N. Y. Soap. No. 97,911; June 23; Gaz. vol. 203; p. 1258.
- Toadvine, Larry J., Salisbury, Md. Cantaloups. No. 94,959; Jan. 13; Gaz. vol. 198; p. 492.
- Tobey Furniture Company, The, Chicago, Ill. Polishing substances for furniture, automobiles, &c. No. 101,343; Nov. 24; Gaz. vol. 208; p. 1353.
- Tokalon, Incorporated, New York, N. Y. Perfumery. Nos. 95,800-4; Mar. 10; Gaz. vol. 200; p. 579.
- Tokalon, Incorporated, New York, N. Y. Perfumery. No. 95,854; Mar. 17; Gaz. vol. 200; p. 854.
- Tokalon, Incorporated, assignor to Hall & Ruckel, New York, N. Y. Deodorants. No. 100,180; Oct. 6; Gaz. vol. 207; p. 296.
- Tokstad-Burger Co., New York, N. Y. Canned fish. No. 96,467; Apr. 21; Gaz. vol. 201; p. 897.
- Tokstad-Burger Co., New York, N. Y. Canned fish, vegetables, and fruits, sandwich-paste, &c. No. 101,602; Dec. 29; Gaz. vol. 209; p. 1688.
- Toledo Pipe Threading Machine Company, The, Toledo, Ohio. Pipe-threading machines and threading-dies. No. 96,550; Apr. 21; Gaz. vol. 201; p. 899.
- Tollometer Company, The, Cincinnati, Ohio. Telephone-brackets. No. 95,576; Feb. 24; Gaz. vol. 199; p. 1241.
- Toltec Mexican Oil Co., The, New York, N. Y. Asphalt and asphalt-residuum products. No. 100,447; Oct. 20; Gaz. vol. 207; p. 925.
- Tomasch, Joseph E., Cleveland, Ohio. Hand-soap. No. 101,451; Dec. 15; Gaz. vol. 209; p. 1049.
- Tomson & Company, P. C., Philadelphia, Pa. Alkaline cleaning-powder. No. 96,468; Apr. 21; Gaz. vol. 201; p. 897.
- Toronto Rubber Co., The, Toronto, Ohio. Rubber tires, packing, tubes, hose, &c. No. 101,234; Nov. 17; Gaz. vol. 208; p. 982.
- Toronto Rubber Co., The, Toronto, Ohio. Rubber mats and matting. No. 101,235; Nov. 17; Gaz. vol. 208; p. 982.
- Tousey Varnish Company, Chicago, Ill. Varnishes. No. 98,833; Aug. 4; Gaz. vol. 205; p. 300.
- Tower, Constantine A., New York, N. Y. Advertising and informative pamphlets. No. 98,834; Aug. 4; Gaz. vol. 205; p. 300.
- Tower Manufacturing & Novelty Co., New York, N. Y. Poker-chips, dice, dominoes, checkers, base-balls and bats, and cribbage-boards. No. 96,551; Apr. 21; Gaz. vol. 201; p. 899.
- Tower Manufacturing & Novelty Co., New York, N. Y. Artists' paints and water-colors. No. 96,920; May 5; Gaz. vol. 202; p. 313.
- Tower Manufacturing & Novelty Co., New York, N. Y. Type-writer oil. No. 97,187; May 19; Gaz. vol. 202; p. 950.
- Tower Manufacturing & Novelty Co., New York, N. Y. Scissors, shears, steel ink-erasers, corkscrews, &c. No. 97,188; May 19; Gaz. vol. 202; p. 950.
- Tower Manufacturing & Novelty Co., New York, N. Y. Twines. No. 97,572; June 9; Gaz. vol. 203; p. 598.
- Tower Manufacturing & Novelty Co., New York, N. Y. Cigars. No. 97,656; June 16; Gaz. vol. 203; p. 921.
- Townsend & Co., E. M., New York, N. Y. Hosiery and knitted underwear. No. 95,805; Mar. 10; Gaz. vol. 200; p. 579.
- Townsend & Co., E. M., New York, N. Y. Hosiery. No. 98,440; July 14; Gaz. vol. 204; p. 671.
- Toy, Michael B., Boston, Mass. Spices and coffee. No. 101,432; Dec. 8; Gaz. vol. 209; p. 681.
- Trachte, Arnold L., Madison, Wis. Tank-heaters. No. 101,344; Nov. 24; Gaz. vol. 208; p. 1353.
- Tremont & Suffolk Mills, Lowell, Mass. Cotton piece goods. No. 99,516; Sept. 1; Gaz. vol. 206; p. 310.
- Trenchard, Henry, Jr., New York, N. Y. Envelops. No. 99,817; Sept. 15; Gaz. vol. 206; p. 873.
- Tresselt & Sons, C., Fort Wayne, Ind. Wheat-flour. No. 98,717; July 28; Gaz. vol. 204; p. 1342.
- Trev, Emmanuel de, Zurich, Switzerland. Dental cement. No. 100,448; Oct. 20; Gaz. vol. 207; p. 925.
- Trimble, Edward M., Rochester, N. Y. Folding crib for children. No. 101,548; Dec. 22; Gaz. vol. 209; p. 1314.
- Triplex Biscuit Co., Inc., Buffalo, N. Y. Biscuits. No. 101,549; Dec. 22; Gaz. vol. 209; p. 1314.
- Tripple, Barker & Co., New York, N. Y. Cotton and linen piece goods. No. 95,022; Jan. 20; Gaz. vol. 198; p. 700.
- Tripple, Barker & Co., New York, N. Y. Cotton and linen piece goods. Nos. 97,088-91; May 19; Gaz. vol. 202; pp. 946-7.
- Tripple, Barker & Co., New York, N. Y. Cotton and linen piece goods. No. 99,071; Aug. 11; Gaz. vol. 205; p. 659.
- Trommsdorff, H., Aachen, Germany. Certain named medicines for external and internal use for human and veterinary use. No. 97,290; May 26; Gaz. vol. 202; p. 1255.
- Tropical Oil Co., The, Cleveland, Ohio. Paint for interior decorating. No. 98,214; July 7; Gaz. vol. 204; p. 312.
- Tropical Oil Co., The, Cleveland, Ohio. Paint used on concrete, plaster, brick, or stone. No. 98,215; July 7; Gaz. vol. 204; p. 312.
- Tropical Oil Co., The, Cleveland, Ohio. Inside flat oil-paint. No. 98,216; July 7; Gaz. vol. 204; p. 312.
- Tropical Oil Co., The, Cleveland, Ohio. Paint for mending leaks. No. 98,217; July 7; Gaz. vol. 204; p. 312.
- Troutman, Percival H., Canon City, Colo. Jams, jellies, canned fruits, apple-butter, and apples. No. 97,016; May 12; Gaz. vol. 202; p. 629.
- Troy Laundry Machinery Company, Limited, Chicago, Ill. Monthly publication. No. 97,017; May 12; Gaz. vol. 202; p. 629.
- Truax & Company, C. C., Toledo, Ohio. Clothes-pins. No. 94,960; Jan. 13; Gaz. vol. 198; p. 492.
- Truax & Company, C. C., Toledo, Ohio. Certain named articles made of wood, fiber, or paper. No. 95,023; Jan. 20; Gaz. vol. 198; p. 700.
- Truax & Company, C. C., Toledo, Ohio. Cement. No. 95,176; Feb. 3; Gaz. vol. 199; p. 301.
- Truax & Company, C. C., Toledo, Ohio. Lighting-burners for lamps, candle and lamp wicks, &c. No. 95,177; Feb. 3; Gaz. vol. 199; p. 301.
- Truax & Company, C. C., Toledo, Ohio. Ink. No. 95,178; Feb. 3; Gaz. vol. 199; p. 301.
- Truax & Company, C. C., Toledo, Ohio. Julep-straws. No. 95,682; Mar. 3; Gaz. vol. 200; p. 275.
- Truax & Company, C. C., assignor to United Grocers Company, Toledo, Ohio. Brooms, brushes, and mops. No. 97,574; June 9; Gaz. vol. 203; p. 598.
- Truax & Company, C. C., assignor to United Grocers Company, Toledo, Ohio. Bath-brick, shoe-blackening, soaps, polishes, &c. No. 97,913; June 23; Gaz. vol. 203; p. 1258.
- Truax & Company, C. C., assignor to United Grocers Company, Toledo, Ohio. Bird-gravel and sunflower-seeds for seeding purposes. No. 97,914; June 23; Gaz. vol. 203; p. 1258.
- Truax & Company, C. C., assignor to United Grocers Company, Toledo, Ohio. Certain named foods. No. 98,018; June 30; Gaz. vol. 203; p. 1551.
- Truax & Company, C. C., assignor to United Grocers Company, Toledo, Ohio. Lamp-chimneys. No. 98,337; July 7; Gaz. vol. 204; p. 315.
- Truax Company, C. C., Toledo, Ohio. Certain named chemical and pharmaceutical preparations. No. 100,651; Oct. 20; Gaz. vol. 207; p. 931.
- True & Blanchard Co., Newport, Vt. Evaporators, pans, and bucket-covers. No. 99,186; Aug. 18; Gaz. vol. 205; p. 1018.
- True-Fit Waterproof Co., Inc., New York, N. Y. Cravenette coats and rain-coats. No. 99,517; Sept. 1; Gaz. vol. 206; p. 310.
- True, Mary E., Epping, N. H. Remedy for rheumatism. No. 98,218; July 7; Gaz. vol. 204; p. 312.
- Tryol Products Company, Inc., Buffalo, N. Y. Ointments. No. 98,219; July 7; Gaz. vol. 204; p. 312.
- Tryon Hosiery Company, Tryon, N. C. Hosiery. No. 99,131; Aug. 18; Gaz. vol. 205; p. 1016.
- Tucker, H. Temple, Fort Smith, Ark. Tents, tarpaulins, and awnings. No. 101,233; Nov. 17; Gaz. vol. 208; p. 982.
- Tucker, Lillian, Gray Summit, Mo. Pharmaceutical preparation designed to overcome the smoking habit. No. 97,735; June 16; Gaz. vol. 203; p. 923.
- Turnbull, James, Roswell, N. Mex. Fresh apples, pears, peaches, plums, &c. No. 98,338; July 7; Gaz. vol. 204; p. 315.
- Turner Flexible Innersole Co., Portland, Me. Leather shoes. No. 100,730; Oct. 20; Gaz. vol. 207; p. 933.
- Turner-Looker Co., The, Cincinnati, Ohio. Straight whisky. No. 99,920; Sept. 22; Gaz. vol. 206; p. 1159.
- Turtle Brothers, New York, N. Y. Cotton and linen piece goods. No. 98,904; Aug. 4; Gaz. vol. 205; p. 302.
- Turton Bros. & Matthews, Ltd., Sheffield, England. Unwrought and partly-wrought metals used in manufacture. No. 100,913; Oct. 27; Gaz. vol. 207; p. 1246.
- Turton Bros. & Matthews, Ltd., Sheffield, England. Steel and iron. No. 100,914; Oct. 27; Gaz. vol. 207; p. 1246.
- Turton Bros. & Matthews, Ltd., Sheffield, England. Steel and iron bars, sheets, hoops, &c. No. 100,915; Oct. 27; Gaz. vol. 207; p. 1246.
- Turton Bros. & Matthews, Ltd., Sheffield, England. Certain named cutlery and tools. No. 101,433; Dec. 8; Gaz. vol. 209; p. 681.
- Turton Brothers & Matthews, Ltd., Sheffield, England. Buffer, railway-vehicle, and locomotive springs. No. 95,962; Mar. 24; Gaz. vol. 200; p. 1112.
- Tutter, Anton, Raymond, Wash. Bread. No. 96,613; Apr. 21; Gaz. vol. 201; p. 901.
- Tweedy, James K., Downey, Cal. Citrus fruits. No. 97,291; May 26; Gaz. vol. 202; p. 1256.
- 20th Century Manufacturing Co., Minneapolis, Minn. Ointment for hemorrhoids. No. 100,095; Oct. 6; Gaz. vol. 207; p. 293.
- Twining, Charles, New York, N. Y. Tobacco-pouches and combined tobacco and pipe pouches. No. 96,368; Apr. 14; Gaz. vol. 201; p. 567.
- 2-B-Tween Envelope Co., Washington, D. C. Envelops. No. 98,592; July 21; Gaz. vol. 204; p. 1009.

Alphabetical list of registrants of trade-marks—Continued.

- Tyndall, Charles A., New York, N. Y. Remedy for ear ailments and diseases. No. 95,363; Feb. 10; Gaz. vol. 199; p. 613.
- Tyndall, Charles A., New York, N. Y. Remedy for stomach disorders and digestive troubles. No. 98,339; July 7; Gaz. vol. 204; p. 316.
- Tywacana Manufacturing Company, Farmingdale, N. Y. Paper boxes. No. 95,577; Feb. 24; Gaz. vol. 199; p. 1241.
- Tywacana Farms Poultry Company, Farmingdale, N. Y. Boxes. No. 97,575; June 9; Gaz. vol. 203; p. 598.
- U. S. Cereal Company, The, Upper Sandusky, Ohio. Cereal food. No. 95,720; Mar. 3; Gaz. vol. 200; p. 277.
- U. S. Hame Company, Buffalo, N. Y. Hames and parts thereof. No. 100,546; Oct. 20; Gaz. vol. 207; p. 928.
- U. S. Reduction Company, Chicago, Ill. Babbitt metal. No. 95,578; Feb. 24; Gaz. vol. 199; p. 1241.
- U. S. Slicing Machine Company, Chicago, Ill. Meat-slicing machines and meat-slicers. No. 97,915; June 23; Gaz. vol. 203; p. 1258.
- Uddeholms Aktiebolag, Uddeholm, Sweden. Horse and frost nails and screws. No. 100,942; Nov. 3; Gaz. vol. 208; p. 333.
- Ullman, Alexander M., New York, N. Y. Metal-polishes. No. 96,369; Apr. 14; Gaz. vol. 201; p. 567.
- Ullman-Philpott Company, The, Cleveland, Ohio. Containers for printers' inks. No. 97,092; May 19; Gaz. vol. 202; p. 947.
- Uncle Sam's Macaroni Co., Tecumseh, Mich. Macaroni paste products. Nos. 98,019-20; June 30; Gaz. vol. 203; p. 1551.
- Underpinning & Foundation Co., The, New York, N. Y. Steel piles for foundations. No. 96,737; Apr. 28; Gaz. vol. 201; p. 1216.
- Underwood & Company, John, New York, N. Y. Adding-machines and parts thereof. No. 96,062; Mar. 31; Gaz. vol. 200; p. 1388.
- Underwood, F. K., Oskaloosa, Iowa. Frozen confection. No. 100,918; Oct. 27; Gaz. vol. 207; p. 1246.
- Underwood, Mark L., Chaffee, Mo. Saline laxatives. No. 97,375; June 2; Gaz. vol. 203; p. 299.
- Ungemach, A.-G. Els. Conserven-Fabrik & Import-Gesellschaft, Strassburg, Germany. Coloring-matters for food. No. 98,099; June 30; Gaz. vol. 203; p. 1554.
- Ungemach, A.-G. Els. Conserven-Fabrik & Import-Gesellschaft, Strassburg, Germany. Coloring-matters for food. No. 98,220; July 7; Gaz. vol. 204; p. 312.
- Ungles Hoggette Mfg. Co., Lincoln, Nebr. Lice and vermin destroyer. No. 96,552; Apr. 21; Gaz. vol. 201; p. 900.
- Union Brass & Metal Mfg. Co., St. Paul, Minn. Certain named plumbing supplies. No. 97,792; June 16; Gaz. vol. 203; p. 925.
- Union Clay Products Company, The, New York, N. Y. Compound in the nature of cementitious material. No. 97,292; May 26; Gaz. vol. 202; p. 1256.
- Union Fibre Company, Winona, Minn. Vegetable self-sustaining heat-insulating material. No. 100,449; Oct. 20; Gaz. vol. 207; p. 925.
- Union Fishermen's Co-operative Pkg. Co., Astoria, Oreg. Canned salmon. No. 99,818; Sept. 15; Gaz. vol. 206; p. 873.
- Union Gas Engine Company, San Francisco, Cal. Gas or gasoline engines. No. 98,221; July 7; Gaz. vol. 204; p. 312.
- Union Lard Corporation, New York, N. Y. Cooking-oil. No. 95,683; Mar. 3; Gaz. vol. 200; p. 275.
- Union Metallic Cartridge Company, Bridgeport, Conn. Bullets. No. 97,576; June 9; Gaz. vol. 203; p. 598.
- Union Oil Company of California, Oleum and San Francisco, Cal. Lubricating oils and greases. No. 96,738; Apr. 28; Gaz. vol. 201; p. 1216.
- Union Petroleum Company, Philadelphia, Pa. Oils and greases for lubrication, &c. No. 99,518; Sept. 1; Gaz. vol. 206; p. 310.
- Union Salt Company, Cleveland, Ohio. Salt. Nos. 100,653-5; Oct. 20; Gaz. vol. 207; p. 931.
- Union Special Machine Company, Chicago, Ill. Machine-needles. No. 95,364; Feb. 10; Gaz. vol. 199; p. 613.
- Union Special Machine Company, Chicago, Ill. Machine-needles. No. 98,718; July 28; Gaz. vol. 204; p. 1342.
- Union Special Machine Company, Chicago, Ill. Certain named clothing. No. 98,836; Aug. 4; Gaz. vol. 205; p. 300.
- Union Special Machine Company, Chicago, Ill. Machine-needles. No. 100,051; Sept. 29; Gaz. vol. 206; p. 1434.
- Union Stove Works, The, New York and Peekskill, N. Y. Stoves and ranges. No. 95,806; Mar. 10; Gaz. vol. 200; p. 579.
- Unionite Co., Philadelphia, Pa. Pavements and roads and materials for same. No. 100,652; Oct. 20; Gaz. vol. 207; p. 931.
- Unionsbrauerei Schülein & Co. A. G., Munich, Germany. Beer. No. 100,450; Oct. 20; Gaz. vol. 207; p. 925.
- United Autographic Register Company, Chicago, Ill. Writing-pads, manifolding and print paper. No. 94,840; Jan. 6; Gaz. vol. 198; p. 236.
- United Brush Manufactories, New York, N. Y. Brushes. No. 94,841; Jan. 6; Gaz. vol. 198; p. 236.
- United Brush Manufactories, New York, N. Y. Brushes. No. 94,962; Jan. 13; Gaz. vol. 198; p. 492.
- United Cigar Stores Co., Jersey City, N. J. Soda-water, syrups, and fruit-juices. No. 94,842; Jan. 6; Gaz. vol. 198; p. 236.
- United Cigar Stores Company, Jersey City, N. J. Cigars, cigarettes, and manufactured tobacco. No. 95,179; Feb. 3; Gaz. vol. 199; p. 301.
- United Cigar Stores Company, Jersey City, N. J. Candies. No. 97,657; June 16; Gaz. vol. 203; p. 921.
- United Drug Company, Boston, Mass. Certain named rubber goods. Nos. 97,376-8; June 2; Gaz. vol. 203; p. 299.
- United Drug Company, Boston, Mass. Non-irritating deodorizing alkaline antiseptic solution. No. 97,736; June 16; Gaz. vol. 203; p. 923.
- United Drug Company, Boston, Mass. Certain named medicines and toilet and pharmaceutical preparations. No. 98,021; June 30; Gaz. vol. 203; p. 1551.
- United Drug Company, Boston, Mass. Cold-cream, tooth paste and wash. No. 100,052; Sept. 29; Gaz. vol. 206; p. 1434.
- United Drug Company, Boston, Mass. Remedy and corrective for ailments and disorders of the digestive organs. No. 101,434; Dec. 8; Gaz. vol. 209; p. 681.
- United Drug Company, Boston, Mass. Wrapping and toilet paper. No. 101,550; Dec. 22; Gaz. vol. 209; p. 1314.
- United Flour Mills Co., Minneapolis, Minn. Wheat-flour. No. 96,208; Apr. 7; Gaz. vol. 201; p. 264.
- United & Globe Rubber Mfg. Companies, Trenton, N. J. Non-metallic tires. No. 96,739; Apr. 28; Gaz. vol. 201; p. 1216.
- United Grocers Company. (See Truax & Company, C. C., assignor.)
- United Home Builders Company, Salt Lake City, Utah. Books of plans for houses and bungalows. No. 100,917; Oct. 27; Gaz. vol. 207; p. 1246.
- United Roofing & Manufacturing Company, Philadelphia, Pa. Inside linings. No. 97,454; June 2; Gaz. vol. 203; p. 301.
- United States Asphalt Refining Company, New York, N. Y. Asphalt and asphaltic residuum products. No. 100,451; Oct. 20; Gaz. vol. 207; p. 925.
- United States Brewing Co. of Chicago, Chicago, Ill. Beer. No. 95,365; Feb. 10; Gaz. vol. 199; p. 613.
- United States Distributing Co., New York, N. Y. Cigars and smoking-tobacco. No. 96,619; Apr. 21; Gaz. vol. 201; p. 901.
- United States Fastener Company, Portland, Me., and Boston, Mass. Snap-fasteners for garments. No. 97,793; June 16; Gaz. vol. 203; p. 925.
- United States Fastener Company, Portland, Me., and Boston, Mass. Snap-fasteners for garments. No. 97,916; June 23; Gaz. vol. 203; p. 1258.
- United States Foil Company, London, England, and Yonkers, N. Y. Metal foil. No. 101,345; Nov. 24; Gaz. vol. 208; p. 1353.
- United States Graphite Company, The, Saginaw, Mich. Pulverized graphite. Nos. 96,740-52; Apr. 28; Gaz. vol. 201; pp. 1216-17.
- United States Graphite Company, Saginaw, Mich. Graphite lubricant. No. 96,753; Apr. 28; Gaz. vol. 201; p. 1217.
- United States Graphite Company, Saginaw, Mich. Graphite-wood greases. No. 96,754; Apr. 28; Gaz. vol. 201; p. 1217.
- United States Graphite Company, Saginaw, Mich. Machinery-lubricant. No. 96,755; Apr. 28; Gaz. vol. 201; p. 1217.
- United States Graphite Company, The, Saginaw, Mich. Pulverized graphite. Nos. 96,838-9; May 5; Gaz. vol. 202; p. 311.
- United States Graphite Company, Saginaw, Mich. Pulverized graphite. No. 97,018; May 12; Gaz. vol. 202; p. 629.
- United States Gutta Percha Paint Company, Saco, Me., and Providence, R. I. Varnishes. No. 96,209; Apr. 7; Gaz. vol. 201; p. 264.
- United States Gutta Percha Paint Company, Providence, R. I. Solvents for shellac and resins, and paint-oils, ready-mixed paints, varnishes, and wood-fillers. No. 96,614; Apr. 21; Gaz. vol. 201; p. 901.
- United States Incinerator Company, Incorporated, Buffalo, N. Y. Incinerators, garbage-consumers, sanitary toilets, &c. No. 97,917; June 23; Gaz. vol. 203; p. 1258.
- United States Light & Heating Company, Portland, Me., and New York, N. Y., assignor to Central Trust Company of New York, trustee. Certain named lighting and starting systems and storage batteries and parts thereof. No. 98,222; July 7; Gaz. vol. 204; p. 312.
- United States Medicine Co., Montclair, N. J., and New York, N. Y. Certain medicines and preparations for treating certain diseases. No. 100,452; Oct. 20; Gaz. vol. 207; p. 925.
- United States Playing Card Co., The, Cincinnati, Ohio. Playing-cards. No. 96,210; Apr. 7; Gaz. vol. 201; p. 264.

Alphabetical list of registrants of trade-marks—Continued.

- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber boots and shoes. No. 95,237; Feb. 3; Gaz. vol. 199; p. 302.
- United States Rubber Company, New York, N. Y. Rubber boots and shoes and rubber heels. No. 96,370; Apr. 14; Gaz. vol. 201; p. 567.
- United States Sand Paper Co., Williamsport, Pa. Cloth and paper overlaid or faced with an abrasive material. No. 97,019; May 12; Gaz. vol. 202; p. 629.
- United States Sand Paper Company, Williamsport, Pa. Cloth and paper overlaid with an abrasive substance, &c. No. 101,452; Dec. 15; Gaz. vol. 209; p. 1049.
- United States Tobacco Company, Richmond, Va. Pockets or containers to hold tobacco, &c. No. 100,453; Oct. 20; Gaz. vol. 207; p. 925.
- United States Whip Company, Westfield, Mass. Insecticide-oil. No. 94,843; Jan. 6; Gaz. vol. 198; p. 236.
- United States Worsted Co., Boston, Mass., assignor to United States Worsted Company. Worsted piece goods. No. 98,719; July 28; Gaz. vol. 204; p. 1342.
- United Wine & Trading Co., New York, N. Y. Whisky. No. 95,963; Mar. 24; Gaz. vol. 200; p. 1112.
- Unity Sales Company, Chicago, Ill. Therapeutic device. No. 95,366; Feb. 10; Gaz. vol. 199; p. 613.
- Unitype Company, The, Brooklyn, N. Y. Type-setting machines. No. 99,370; Aug. 25; Gaz. vol. 205; p. 1320.
- Universal Bottle Washer Co., Detroit, Mich. Bottle washing and rinsing machines. No. 96,756; Apr. 28; Gaz. vol. 201; p. 1217.
- Universal Carbon Co., Dundee, Ill. Dry battery-cells. No. 95,180; Feb. 3; Gaz. vol. 199; p. 301.
- Universal Compound Co. Inc., New York, N. Y. Asphaltum paste. No. 98,100; June 30; Gaz. vol. 203; p. 1554.
- Universal Film Manufacturing Co., New York, N. Y. Moving-picture films. No. 95,492; Feb. 17; Gaz. vol. 199; p. 936.
- Universal Film Manufacturing Company, Chicago, Ill., and New York, N. Y. Moving-picture films. No. 95,024; Jan. 20; Gaz. vol. 198; p. 700.
- Universal Film Manufacturing Company, Chicago, Ill., and New York, N. Y. Moving-picture films. No. 96,063; Mar. 31; Gaz. vol. 200; p. 1388.
- Universal Film Manufacturing Company, New York, N. Y. Moving-picture negative and positive films. Nos. 95,493-4; Feb. 17; Gaz. vol. 199; p. 936.
- Universal Film Manufacturing Company, New York, N. Y. Moving-picture films. Nos. 98,593-4; July 21; Gaz. vol. 204; p. 1009.
- Universal Portland Cement Co., Chicago, Ill. Portland cement. No. 98,720; July 28; Gaz. vol. 204; p. 1342.
- Universal Road Machinery Co., Kingston, N. Y. Rock-crushers, bin-jacks, and street-sweeping machines. No. 95,855; Mar. 17; Gaz. vol. 200; p. 854.
- Universal Winding Company, Providence, R. I., and Boston, Mass. Machines for coiling wire in the manufacture of electrical coils. No. 96,921; May 5; Gaz. vol. 202; p. 313.
- Universal Winding Company, Providence, R. I., and Boston, Mass. Winding-machines and parts thereof. No. 99,667; Sept. 8; Gaz. vol. 206; p. 587.
- Uno Manufacturing Company, Chicago, Ill. Oils, &c., having cedar-odor for certain purposes. No. 101,435; Dec. 8; Gaz. vol. 209; p. 681.
- Updike Milling Company, Omaha, Nebr. Wheat-flour. No. 95,719; Mar. 3; Gaz. vol. 200; p. 277.
- Upson-Walton Co., Cleveland, Ohio. Steel-wire rope. No. 96,553; Apr. 21; Gaz. vol. 201; p. 900.
- Utica Carbon & Wax Paper Co., Utica, N. Y. Carbon-paper. No. 96,615; Apr. 21; Gaz. vol. 201; p. 901.
- Utlley's, Inc., Holyoke, Mass. Certain named ornamental designs for colleges and fraternities. No. 99,819; Sept. 15; Gaz. vol. 206; p. 873.
- V. G. S. Syndicate Limited, The, London, England. Ointment. No. 101,022; Nov. 3; Gaz. vol. 208; p. 335.
- Vacuum Oil Company, Rochester, N. Y. Naphtha, gasoline, and benzin. No. 94,963; Jan. 13; Gaz. vol. 198; p. 492.
- Vail, John W., Chicago, Ill. Bedsteads. No. 98,441; July 14; Gaz. vol. 204; p. 671.
- Valentine & Company, New York, N. Y. Enamels, paints, varnishes, and varnish-removers. No. 97,293; May 26; Gaz. vol. 202; p. 1256.
- Valentine & Company, New York, N. Y. Enamels, undercoatings, and paints. No. 100,919; Oct. 27; Gaz. vol. 207; p. 1246.
- Valier & Spies Milling Co., St. Louis, Mo. Wheat-flour. Nos. 95,684-8; Mar. 3; Gaz. vol. 200; p. 276.
- Valier & Spies Milling Co., St. Louis, Mo. Wheat-flour. Nos. 95,721-2; Mar. 3; Gaz. vol. 200; p. 277.
- Valier & Spies Milling Co., St. Louis, Mo. Wheat-flour. No. 97,658; June 16; Gaz. vol. 203; p. 921.
- Valier & Spies Milling Co., St. Louis, Mo., and Marine and St. Jacob, Ill. Wheat-flour. No. 97,659; June 16; Gaz. vol. 203; p. 921.
- Valier & Spies Milling Co., St. Louis, Mo. Wheat-flour. No. 98,905; Aug. 4; Gaz. vol. 205; p. 302.
- Valier & Spies Milling Co., St. Louis, Mo. Wheat-flour. Nos. 99,257-60; Aug. 25; Gaz. vol. 205; p. 1317.
- Valier & Spies Milling Co., St. Louis, Mo. Wheat-flour. No. 99,820; Sept. 15; Gaz. vol. 206; p. 873.
- Valier & Spies Milling Co., St. Louis, Mo. Wheat-flour. No. 101,060; Nov. 10; Gaz. vol. 208; p. 652.
- Valley City Machine Works, Grand Rapids, Mich. Machines for milling, drilling, and grinding metal. No. 96,371; Apr. 14; Gaz. vol. 201; p. 567.
- Valley City Milling Co., Grand Rapids, Mich. Self-rising biscuit-flour made from wheat. No. 101,551; Dec. 22; Gaz. vol. 209; p. 1314.
- Valley City Milling Company, Grand Rapids, Mich. Whole-wheat flour. No. 101,552; Dec. 22; Gaz. vol. 209; p. 1314.
- Valley Park Distillery, Valley Park, Mo. Rye and Bourbon whiskies. No. 98,721; July 28; Gaz. vol. 204; p. 1342.
- Van Antwerp's Drug Corporation Inc., Mobile, Ala. Liquid face powder and rouge, nail-powder, dentifrice, &c. No. 97,189; May 19; Gaz. vol. 202; p. 950.
- Van Cassel & Cie., Lallier, Ay, France. Wines and champagne. No. 96,143; Apr. 7; Gaz. vol. 201; p. 262.
- Van Doren, Harry W., Pulaski, Va. Ginger-ale and soda-water. No. 97,918; June 23; Gaz. vol. 203; p. 1258.
- Van Exem, Arsène J., New York, N. Y. Malt extract and liquor. No. 97,294; May 26; Gaz. vol. 202; p. 1256.
- Van Exem, Arsène J., New York, N. Y. Brandy, whisky, and cognac. No. 97,295; May 26; Gaz. vol. 202; p. 1256.
- Van Exem, Arsène J., New York, N. Y. Soda-water, grape-juice, and root-beer. No. 97,296; May 26; Gaz. vol. 202; p. 1256.
- Van Exem, Arsène J., New York, N. Y. Table and pocket knives and scissors. No. 97,297; May 26; Gaz. vol. 202; p. 1256.
- Van Exem, Arsène J., New York, N. Y. Certain named dental, medical, and surgical appliances. No. 97,455; June 2; Gaz. vol. 203; p. 301.
- Van Exem, Arsène J., New York, N. Y. Certain named preparations for toilet and external medicinal use. No. 97,456; June 2; Gaz. vol. 203; p. 301.
- Van Exem, Arsène J., New York, N. Y. Breakfast foods and pancake-flour. No. 98,022; June 30; Gaz. vol. 203; p. 1551.
- Van Exem, Arsène J., New York, N. Y. Pipes, pipe-cleaners, and cigarette-stems. No. 98,223; July 7; Gaz. vol. 204; p. 312.
- Van Exem, Arsène J., New York, N. Y. Smoking-tobacco, cigars, and cigarettes. No. 98,595; July 21; Gaz. vol. 204; p. 1009.
- Van Horn and Sawtell, New York, N. Y. Remedies for intestinal disorders. No. 97,379; June 2; Gaz. vol. 203; p. 299.
- Van Houten & Zoon, C. J., Weesp, Netherlands, and New York, N. Y. Cocoa. No. 97,660; June 16; Gaz. vol. 203; p. 921.
- Van Loon, Matthieu, Waalwijk, Netherlands. Glazed kid. No. 99,261; Aug. 25; Gaz. vol. 205; p. 1317.
- Van Orden Corset Co., Newark, N. J. Corsets. No. 100,731; Oct. 20; Gaz. vol. 207; p. 933.
- Van Valkenburgh, Matthew L., Zanesville, Ohio. Medical compound for burns, scalds, and other injuries from fire. No. 96,757; Apr. 28; Gaz. vol. 201; p. 1217.
- Van Vechten, William W., Rochester, N. Y. Rye and wheat flour. No. 95,238; Feb. 3; Gaz. vol. 199; p. 302.
- Van Vleet-Mansfield Drug Co., Memphis, Tenn. Hair-restorer. No. 95,270; Feb. 3; Gaz. vol. 199; p. 303.
- Van Vleet-Mansfield Drug Co., Memphis, Tenn. Preparation for internal and external use. No. 96,064; Mar. 31; Gaz. vol. 200; p. 1388.
- Van Vleet-Mansfield Drug Co., Memphis, Tenn. Remedy for impurities of the blood. No. 96,211; Apr. 7; Gaz. vol. 201; p. 264.
- Van Vleet-Mansfield Drug Co., Memphis, Tenn. Remedy for diseases of the liver. No. 96,554; Apr. 21; Gaz. vol. 201; p. 900.
- Van Waveren & Kruijff, G. A., Philadelphia, Pa. Seeds, bulbs, plants, &c. No. 100,667; Oct. 20; Gaz. vol. 207; p. 932.
- Vance, Joseph W., Pierce City, Mo. Wheat-flour. No. 99,072; Aug. 11; Gaz. vol. 205; p. 659.
- Vanguard Manufacturing Co., Hamtramck, Mich. Windshields. No. 98,101; June 30; Gaz. vol. 203; p. 1554.
- Vanity Fair Publishing Company, Inc., New York, N. Y. Trade periodical. No. 99,821; Sept. 15; Gaz. vol. 206; p. 873.
- Varda, Nicholas, New York, N. Y. Cigarettes. No. 99,921; Sept. 22; Gaz. vol. 206; p. 1159.
- Vasa Company, Henderson, Ky. Ointment. No. 98,224; July 7; Gaz. vol. 204; p. 312.
- Vaughn-Crutchfield Co., Winston-Salem, N. C. Flavoring extracts for foods. No. 97,093; May 19; Gaz. vol. 202; p. 947.
- Vedder, Wentworth D., Wellsboro, Pa. Medicinal powder. No. 95,579; Feb. 24; Gaz. vol. 199; p. 1241.
- Feeder Manufacturing Company, The, Hartford, Conn. Cyclometers, odometers, tachometers, and tachometers. No. 97,190; May 19; Gaz. vol. 202; p. 950.
- Veldop Company, The, Providence, R. I., assignor to The Veldop Company, Wilmington, Del. Insecticide. No. 101,346; Nov. 24; Gaz. vol. 208; p. 1353.
- Venesta Limited, London, England. Boards, sheets, or strips of certain named combinations of materials. No. 96,065; Mar. 31; Gaz. vol. 200; p. 1388.

Alphabetical list of registrants of trade-marks--Continued.

- Vereinigte Chemische Werke Aktiengesellschaft, Charlottenburg, Germany. Cholin preparations. No. 95,495; Feb. 17; Gaz. vol. 199; p. 936.
- Vereinigte Chininfabriken Zimmer & Co., Ges. mit beschränkter Haftung, Frankfurt-on-the-Main, Germany. Soporific preparation. No. 96,758; Apr. 28; Gaz. vol. 201; p. 1217.
- Vereinigte Chininfabriken Zimmer & Co., Ges. mit beschränkter Haftung, Frankfurt-on-the-Main, Germany. Preparation for treating malaria, &c. No. 99,822; Sept. 15; Gaz. vol. 206; p. 873.
- Vereinigte Lederleimfabriken vorm. J. E. Jense Aktien Gesellschaft, Uetersen, near Hamburg, Germany. Gelatin-glue. No. 100,454; Oct. 20; Gaz. vol. 207; p. 925.
- Verna, Luigi, Philadelphia, Pa. Macaroni. No. 99,371; Aug. 25; Gaz. vol. 205; p. 1320.
- Ves-tong Manufacturing Co., Wenona, Ill. Hunting coats and vests. No. 100,656; Oct. 20; Gaz. vol. 207; p. 931.
- Vesuvio & Piedmont Paste Co., San Francisco, Cal. Alimentary paste products. No. 96,469; Apr. 21; Gaz. vol. 201; p. 897.
- Vetter, Joseph J., Brooklyn, N. Y. External application for relief of certain named diseases and affections. No. 101,476; Dec. 15; Gaz. vol. 209; p. 1050.
- Vi-Ne-Ro Co., Salt Lake City, Utah. Polish for furniture, pianos, floors, and vehicles. No. 95,807; Mar. 10; Gaz. vol. 200; p. 579.
- Vick Chemical Co., Greensboro, N. C. Salve. No. 100,455; Oct. 20; Gaz. vol. 207; p. 925.
- Vickery and Hill Publishing Company, Augusta, Me. Monthly periodical. No. 99,262; Aug. 25; Gaz. vol. 205; p. 1317.
- Victor Animatograph Company, Davenport, Iowa. Stereopticons and slides therefor. No. 95,689; Mar. 3; Gaz. vol. 200; p. 276.
- Victor Electric Company, Chicago, Ill. Automatic switches used with X-Ray apparatus. No. 100,920; Oct. 27; Gaz. vol. 207; p. 1246.
- Victor Jar Company, Detroit, Mich. Jar-closures of metal. No. 96,555; Apr. 21; Gaz. vol. 201; p. 900.
- Victor Talking Machine Company, Camden, N. J. Sound recording or reproducing machines and parts thereof, &c. No. 95,964; Mar. 24; Gaz. vol. 200; p. 1112.
- Victor Talking Machine Company, Camden, N. J. Records for talking-machines. No. 96,470; Apr. 21; Gaz. vol. 201; p. 897.
- Victor Talking Machine Company, Camden, N. J. Cabinets for talking-machine records. No. 100,657; Oct. 20; Gaz. vol. 207; p. 931.
- Vienna Delicatessen Co., Atlantic City, N. J. Cheeses. No. 99,668; Sept. 8; Gaz. vol. 206; p. 587.
- Vinton, Arthur E., Muncie, Ind. Laxative tablet. No. 101,347; Nov. 24; Gaz. vol. 208; p. 1353.
- Violante, Balbi & Co., New York, N. Y. Canned tomatoes and tomato paste. No. 96,066; Mar. 31; Gaz. vol. 200; p. 1388.
- Virginia Bridge and Iron Company, Roanoke, Va. Steel bridges, girders, and structural steelwork. No. 100,456; Oct. 20; Gaz. vol. 207; p. 925.
- Virginia Fairy Stone Company, Beckley, W. Va. Natural ornamental stone. No. 100,230; Oct. 13; Gaz. vol. 207; p. 606.
- Viscoloid Company, The, Leominster, Mass. Hair-pins and hair-ornaments. No. 99,029; Aug. 11; Gaz. vol. 205; p. 658.
- Vittucci Importing Co., Seattle, Wash. Baking-powder. No. 99,520; Sept. 1; Gaz. vol. 206; p. 310.
- Vixen Tool Company, Philadelphia, Pa. Files. No. 100,183; Oct. 6; Gaz. vol. 207; p. 296.
- Voelker, Matt, Waterloo, Wis. Popcorn. No. 100,184; Oct. 6; Gaz. vol. 207; p. 296.
- Vogue Dress Co., Inc., New York, N. Y. Children's, juniors', and misses' fine dresses. No. 97,513; June 9; Gaz. vol. 203; p. 596.
- Vogue Hat Company, New York, N. Y. Hats. No. 100,658; Oct. 20; Gaz. vol. 207; p. 931.
- Voigt Milling Company, Grand Rapids, Mich. Wheat-flour. No. 98,023; June 30; Gaz. vol. 203; p. 1551.
- Vola-Vita Company, The, Muskogee, Okla. Scalp and hair tonic. No. 98,340; July 7; Gaz. vol. 204; p. 316.
- Volotone Company, Elizabeth, N. J. Piano-players and parts thereof and appurtenances therefor. No. 101,436; Dec. 8; Gaz. vol. 209; p. 681.
- Von Glahn & Son, Henry, Brooklyn, N. Y. Canned vegetables, fruits, and fish. No. 100,659; Oct. 20; Gaz. vol. 207; p. 931.
- Vosburgh, Curt D., Chicago, Ill. Remedies for colds. No. 97,737; June 16; Gaz. vol. 203; p. 923.
- Voss, Helmuth, Hamburg, Germany. Chemical for coloring rubber. No. 95,271; Feb. 3; Gaz. vol. 199; p. 303.
- Voss, Helmuth, Hamburg, Germany. Gutta-percha substitute. No. 97,919; June 23; Gaz. vol. 203; p. 1258.
- Vrau & Cie., Ph., Lille, France. Threads and yarns. No. 100,660; Oct. 20; Gaz. vol. 207; p. 931.
- Vulcan Process Co., Minneapolis, Minn. Certain named parts of apparatus for use in autogenous welding. No. 101,236; Nov. 17; Gaz. vol. 208; p. 982.
- W. A. Plummer M'fg Co., San Francisco, Cal. Water-containing vessels serving as coolers. No. 97,503; June 9; Gaz. vol. 203; p. 596.
- W. F. Gray Company, The, Madison and Nashville, Tenn. Medical ointment. No. 95,711; Mar. 3; Gaz. vol. 200; p. 276.
- W. F. McLaughlin & Company, Chicago, Ill. Tea and blended coffee. No. 100,004; Sept. 29; Gaz. vol. 206; p. 1433.
- W. H. Crawford Co., Baltimore, Md. Certain named medicines, remedies, and pharmaceutical preparations. No. 99,957; Sept. 29; Gaz. vol. 206; p. 1431.
- W. H. Hoover Company, The, New Berlin, Ohio. Harness-saddles. No. 96,807; May 5; Gaz. vol. 202; p. 310.
- W. H. McElwain Company. (See Powell Brothers Shoe Co., assignor.)
- W. H. McElwain Company, Boston, Mass. Leather boots and shoes. Nos. 97,712-14; June 16; Gaz. vol. 203; p. 922.
- W. J. Courtney Co., Inc., Mundy Point, Va. Canned fish, rice, fruit, vegetables, and oysters. No. 101,565; Dec. 29; Gaz. vol. 209; p. 1687.
- W. J. Gilmore Drug Company, Pittsburgh, Pa. Medicine for blood, stomach, liver, and bowel diseases. No. 95,756; Mar. 10; Gaz. vol. 200; p. 578.
- W. J. Gilmore Drug Company, Pittsburgh, Pa. Cough-syrup. No. 96,408; Apr. 21; Gaz. vol. 201; p. 895.
- W. J. White Chicle Co., Niagara Falls, N. Y. Chewing-gum. No. 95,583; Feb. 24; Gaz. vol. 199; p. 1241.
- W. M. Griffin Company, Fort Wayne, Ind. Cough-syrup. No. 96,410; Apr. 21; Gaz. vol. 201; p. 896.
- W. M. Griffin Company, The, Fort Wayne, Ind. Tonic blood remedy and appetizer. No. 101,461; Dec. 15; Gaz. vol. 209; p. 1049.
- W. N. Sharpe, Limited, Bradford, England. Note-paper, certain named blank cards, and paper and cardboard initials. No. 96,353; Apr. 14; Gaz. vol. 201; p. 567.
- W. N. Sharpe Limited, Bradford, England. Certain cards, booklets, cut-out mottoes, and calendars. No. 97,447; June 2; Gaz. vol. 203; p. 301.
- W. P. Fuller & Co., San Francisco, Cal. Varnishes. Nos. 96,266-8; Apr. 14; Gaz. vol. 201; p. 564.
- W. P. Haines & Company, New York, N. Y. Pianos and player-pianos. No. 94,813; Jan. 6; Gaz. vol. 198; p. 235.
- W. P. Poythress Capsule Co., Inc., Richmond, Va. Remedy for certain named diseases. No. 96,180; Apr. 7; Gaz. vol. 201; p. 264.
- W. R. Grace & Company, New York, N. Y. Lubricating oils and greases. No. 96,279; Apr. 14; Gaz. vol. 201; p. 565.
- W. R. Grace & Company, New York, N. Y. Kerosene, benzine, gasoline, and naphtha. No. 96,280; Apr. 14; Gaz. vol. 201; p. 565.
- W. R. Grace & Company, New York, N. Y. Calcium carbide. No. 97,474; June 9; Gaz. vol. 203; p. 595.
- W. R. Grace & Co., New York, N. Y. Kerosene. No. 99,976; Sept. 29; Gaz. vol. 206; p. 1432.
- W. R. Grace & Co., New York, N. Y. Turpentine. No. 99,977; Sept. 29; Gaz. vol. 206; p. 1432.
- W. S. Nott Company, Minneapolis, Minn. Rubber belting and hose. No. 95,135; Feb. 3; Gaz. vol. 199; p. 300.
- W. S. Nott Company, Minneapolis, Minn. Leather belting. Nos. 96,986-7; May 12; Gaz. vol. 202; p. 628.
- Wackenreuter & William A. Klipstein, Andreas G., New York, N. Y. Tanning agent. No. 96,471; Apr. 21; Gaz. vol. 201; p. 897.
- Wadsworth, Howland & Co., Incorporated, Boston, Mass. Paints and varnishes. No. 95,690; Mar. 3; Gaz. vol. 200; p. 276.
- Wadsworth Watch Case Company, The, Dayton, Ky. Watchcases. Nos. 97,094-6; May 19; Gaz. vol. 202; p. 947.
- Waggener, Conrad Y., Salida, Colo. Toilet cream. No. 98,225; July 7; Gaz. vol. 204; p. 312.
- Wagner, Edward H., New York, N. Y. Fireworks. No. 100,457; Oct. 20; Gaz. vol. 207; p. 925.
- Wagner Electric Manufacturing Company, St. Louis, Mo. Electric motors, generators, converters, &c. No. 100,185; Oct. 6; Gaz. vol. 207; p. 296.
- Wagner, Francis A., Dayton, Ohio. Mechanical toys. No. 96,840; May 5; Gaz. vol. 202; p. 311.
- Wagner Manufacturing Co., The, Cleveland, Ohio. Awnings, tents, canopies, &c. No. 98,722; July 28; Gaz. vol. 204; p. 1342.
- Wahliss, Erich, Vienna, Austria-Hungary. Decorative crockery, porcelain, and earthenware. No. 98,102; June 30; Gaz. vol. 203; p. 1554.
- Waite Grass Carpet Co., Oshkosh, Wis. Grass rugs. No. 100,458; Oct. 20; Gaz. vol. 207; p. 925.
- Waite, Ralph B., Springville, N. Y. Local anesthetics. No. 95,272; Feb. 3; Gaz. vol. 199; p. 304.
- Walden Manufacturing Company, Worcester, Mass. Wrenches. No. 100,921; Oct. 27; Gaz. vol. 207; p. 1246.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Garment-fasteners. Nos. 97,920-1; June 23; Gaz. vol. 203; p. 1258.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-buttons used as garment-fasteners. Nos. 98,442-50; July 14; Gaz. vol. 204; pp. 671-2.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-buttons. No. 100,459; Oct. 20; Gaz. vol. 207; p. 925.

Alphabetical list of registrants of trade-marks—Continued.

- Waldes & Co., Prague - Wrschowitz, Austria - Hungary. Snap-buttons. Nos. 100,661-3; Oct. 20; Gaz. vol. 207; pp. 931.
- Waldes & Co., Prague - Wrschowitz, Austria - Hungary. Snap-buttons. Nos. 101,604-9; Dec. 29; Gaz. vol. 209; p. 1688.
- Waldes & Company, New York, N. Y. Dress fasteners and buttons. No. 95,808; Mar. 10; Gaz. vol. 200; p. 579.
- Waldheimer Parfümerie- und Toiletteseifen-Fabrik, A. H. A. Bergmann, Waldheim, Germany, and New York, N. Y. Tooth-pastes. No. 96,759; Apr. 28; Gaz. vol. 201; p. 1217.
- Waldo, Charles S., Boston, Mass. Certain named construction materials. No. 97,738; June 16; Gaz. vol. 203; p. 923.
- Waldo, Charles S., Boston, Mass. Asphalt roofing and shingles, wall and plaster boards. No. 97,739; June 16; Gaz. vol. 203; p. 923.
- Waldorf Astoria Segar Company, New York, N. Y. Cigars, cigarettes, and tobacco. No. 97,922; June 23; Gaz. vol. 203; p. 1258.
- Wale's Invulnerable Tyre Syndicate Limited, London, England. Tires, tire-covers, and tubes. No. 96,841; May 5; Gaz. vol. 202; p. 311.
- Walker Bros., Orlando, Fla. Oranges and grape-fruit. No. 94,964; Jan. 13; Gaz. vol. 198; p. 492.
- Walker, Calvin A., Asheville, N. C. Headache-powders. No. 99,408; Aug. 25; Gaz. vol. 205; p. 1321.
- Walker, Charles H., New York, N. Y. Medicinal compounds of selenium. No. 100,922; Oct. 27; Gaz. vol. 207; p. 1246.
- Walker, Daniel T., Chicago, Ill. Constipation and kidney tablets and liniments. No. 99,521; Sept. 1; Gaz. vol. 206; p. 310.
- Walker Drug Company, Schenectady, N. Y. Effervescent remedy for headache, neuralgia, and nervousness. No. 100,055; Sept. 29; Gaz. vol. 206; p. 1434.
- Walker, Edwin, Erie, Pa. Certain named cutlery. No. 95,691; Mar. 3; Gaz. vol. 200; p. 276.
- Walker-Moore Manufacturing Co., Racine, Wis. Shock-absorbers. No. 100,460; Oct. 20; Gaz. vol. 207; p. 925.
- Wall, Streeter and Doyle Company, North Adams, Mass. Leather shoes. No. 95,367; Feb. 10; Gaz. vol. 199; p. 613.
- Wallace & Co., Brooklyn and New York, N. Y. Candies. No. 95,239; Feb. 3; Gaz. vol. 199; p. 302.
- Wallace, Edwin C., Boston, Mass. Certain cements and mixtures used in laying sidewalks and roadways. No. 97,577; June 9; Gaz. vol. 203; p. 598.
- Wallace Milling Co., The, Dale, Ind. Self-rising wheat-flour. No. 96,842; May 5; Gaz. vol. 202; p. 311.
- Wallace, Scott & Co., Limited, Glasgow, Scotland. Rain-proof coats, capes, jackets, breeches, and leggings. No. 96,372; Apr. 14; Gaz. vol. 201; p. 567.
- Wallace, Scott & Co., Limited, Glasgow, Scotland. Wool, worsted, or hair piece goods. No. 96,556; Apr. 21; Gaz. vol. 201; p. 900.
- Wallace, Scott & Co. Limited, Glasgow, Scotland. Overcoats, coats, capes, and jackets. No. 97,514; June 9; Gaz. vol. 203; p. 596.
- Wallace, Scott & Co. Limited, Glasgow, Scotland. Woolen cloth for making overcoats, coats, capes, and jackets. No. 97,578; June 9; Gaz. vol. 203; p. 598.
- Wallace, William, Jr., Helena, Mont., and Washington, D. C. Grape-fruit, tangerines, and oranges. No. 100,732; Oct. 20; Gaz. vol. 207; p. 934.
- Walmsley & Birchall, Philadelphia, Pa. Food meals for poultry, game, and cattle. No. 97,298; May 26; Gaz. vol. 202; p. 1256.
- Walsh, George W., Roslindale, Mass. Soluble food for infants, invalids, &c. No. 97,661; June 16; Gaz. vol. 203; p. 921.
- Walsh, James L., Providence, R. I. Local antiseptic. No. 101,023; Nov. 3; Gaz. vol. 208; p. 335.
- Walter E. Olsen & Company, Manila, Philippine Islands, and New York, N. Y. Cigars. No. 96,989; May 12; Gaz. vol. 202; p. 628.
- Walter M. Lowney Company, The, Boston, Mass. Candies. No. 100,854; Oct. 27; Gaz. vol. 207; p. 1244.
- Walter, Otto W., Jacksonville, Fla. Canes, parasols, and umbrellas. No. 97,097; May 19; Gaz. vol. 202; p. 947.
- Walterhouse, Nelson G., Indianapolis, Ind. Corn-plasters. No. 96,067; Mar. 31; Gaz. vol. 200; p. 1388.
- Walters, Louis B., Philadelphia, Pa. Lubricating-oil. No. 95,025; Jan. 20; Gaz. vol. 198; p. 700.
- Waltham Watch Company, Waltham and Boston, Mass. Watches, clocks, and chronometers. No. 99,132; Aug. 18; Gaz. vol. 205; p. 1016.
- Walton & Co., D. S., New York, N. Y. Roofing-felt. No. 98,103; June 30; Gaz. vol. 203; p. 1554.
- Waltz, George H., Baltimore, Md. Dyspepsia and heartburn. No. 95,809; Mar. 10; Gaz. vol. 200; p. 579.
- Wamsley, C. L., West Union, Ohio, and Sayre, Okla. Laxative. No. 98,342; July 7; Gaz. vol. 204; p. 316.
- Wanderer-Werke vorm. Winkhofer & Jaenicke Aktiengesellschaft, Schönau, near Chemnitz, Germany. Certain named measuring instruments, calculating-machines, and the like. No. 98,596; July 21; Gaz. vol. 204; p. 1009.
- Wanderer-Werke vorm. Winkhofer & Jaenicke Aktiengesellschaft, Schönau, near Chemnitz, Germany. Certain named vehicles and parts therefor. No. 98,723; July 28; Gaz. vol. 204; p. 1342.
- Wanderer-Werke vorm. Winkhofer & Jaenicke Aktiengesellschaft, Schönau, near Chemnitz, Germany. Certain named cases, boxes, bags, tills, and covers. No. 98,989; Aug. 11; Gaz. vol. 205; p. 657.
- Wanderer-Werke vorm. Winkhofer & Jaenicke Aktiengesellschaft, Schönau, near Chemnitz, Germany. Certain named lamps, lanterns, ignition apparatus, &c. No. 99,263; Aug. 25; Gaz. vol. 205; p. 1317.
- Wangenheim, Roy, Buffalo, N. Y. Candy. No. 96,472; Apr. 21; Gaz. vol. 201; p. 897.
- Wangenheim, Roy, Buffalo, N. Y. Candy. No. 96,843; May 5; Gaz. vol. 202; p. 311.
- Wangenheim, Roy, Buffalo, N. Y. Candy. No. 99,922; Sept. 22; Gaz. vol. 206; p. 1159.
- Ward-Owsley Co., Aberdeen, S. D. Candy. No. 99,823; Sept. 15; Gaz. vol. 206; p. 873.
- Warga, Imre, Long Island City, N. Y. Kaleidoscopes. No. 96,844; May 5; Gaz. vol. 202; p. 311.
- Warner Brothers Company, The, Bridgeport, Conn. Certain corset fitting and lacing devices. No. 95,496; Feb. 17; Gaz. vol. 199; p. 936.
- Warner, Mary E., Chicago, Ill. Preparation for beautifying the complexion. No. 95,273; Feb. 3; Gaz. vol. 199; p. 304.
- Warner-Quinlan Asphalt Company, Syracuse, N. Y. Asphaltum. No. 99,522; Sept. 1; Gaz. vol. 206; p. 310.
- Warner, Thomas M., Denver, Colo. Remedy for hay-fever, &c. No. 97,380; June 2; Gaz. vol. 203; p. 299.
- Warner's Features, Incorporated, New York, N. Y. Moving-picture films. Nos. 95,368-78; Feb. 10; Gaz. vol. 199; pp. 613-14.
- Warner's Features, Incorporated, New York, N. Y. Moving-picture films. No. 95,692; Mar. 3; Gaz. vol. 200; p. 276.
- Warren Brothers Company, Boston, Mass. Bituminous cement. No. 100,665; Oct. 20; Gaz. vol. 207; p. 931.
- Warren Chemical & Manufacturing Company, New York, N. Y. Asphalt paints. Nos. 95,580-1; Feb. 24; Gaz. vol. 199; p. 1241.
- Warren, George A., Boston, Mass. Preparation of croup-syrup. No. 96,473; Apr. 21; Gaz. vol. 201; p. 897.
- Warren, Northam, New York, N. Y. Artificial flowers. No. 98,597; July 21; Gaz. vol. 204; p. 1009.
- Warren Webster & Co., Camden, N. J. Steam-traps. Nos. 97,924-5; June 23; Gaz. vol. 203; p. 1258.
- Warshaw Brothers, New York, N. Y. Hair tonic and dye, cold and massage creams, &c. No. 98,838; Aug. 4; Gaz. vol. 205; p. 300.
- Warwick Sterling Company, Providence, R. I. Silver ware, articles and trimmings, and jewelry. No. 97,098; May 19; Gaz. vol. 202; p. 947.
- Washburn-Crosby Co., Minneapolis, Minn. Wheat-flour. No. 95,497; Feb. 17; Gaz. vol. 199; p. 936.
- Washburn, James M., Chicago, Ill. Supports for cards or pictures. No. 96,762; Apr. 28; Gaz. vol. 201; p. 1217.
- Waterbury Chemical Company, Des Moines, Iowa. Digestants. No. 95,498; Feb. 17; Gaz. vol. 199; p. 936.
- Waterbury Chemical Company, Des Moines, Iowa. Castor-oil compound. No. 96,068; Mar. 31; Gaz. vol. 200; p. 1388.
- Waterbury Cigarette Company, New York, N. Y. Cigarettes. No. 101,237; Nov. 17; Gaz. vol. 208; p. 982.
- Waterless Window Washer Manufacturing Company, Winchester, Ky. Window-washing preparation. No. 100,666; Oct. 20; Gaz. vol. 207; p. 932.
- Waterproofing Co., New York, N. Y. Waterproof mortar and cement. No. 96,212; Apr. 7; Gaz. vol. 201; p. 264.
- Watrous Mfg. Co., Des Moines, Iowa. Certain named hardware and supplies. No. 99,372; Aug. 25; Gaz. vol. 205; p. 1320.
- Watson, Archibald R. (See Stover, George H., assignor.)
- Watson Brothers, assignor to Micagraphic Slide Company, Boston, Mass. Lantern-slides and apparatus for display by optical projection. No. 100,927; Oct. 27; Gaz. vol. 207; p. 1246.
- Watters Co., R. J., Buffalo, N. Y. Certain compound for removing scale, rust, and oil from iron and steel products before finishing. No. 100,928; Oct. 27; Gaz. vol. 207; p. 1246.
- Watters, Marcus H., Castleton, Vt. Skin-lotions. No. 96,213; Apr. 7; Gaz. vol. 201; p. 265.
- Waugh Medicine Co., Grangeville, Idaho. Salve for certain named diseases. No. 97,515; June 9; Gaz. vol. 203; p. 596.
- Wayland Canning Co., Wayland, N. Y. Canned fruits and vegetables. No. 101,553; Dec. 22; Gaz. vol. 209; p. 1314.
- Wayne County Driers & Packers Fruit Company, Rochester, N. Y. Dried apples. No. 98,343; July 7; Gaz. vol. 204; p. 316.
- Wayne Knitting Mills, Fort Wayne, Ind. Silk and lisle hose. No. 94,965; Jan. 13; Gaz. vol. 198; p. 492.
- Wayne Paint Co., Waynesboro, Pa. Ready-mixed and liquid paints. No. 100,929; Oct. 27; Gaz. vol. 207; p. 1246.

Alphabetical list of registrants of trade-marks—Continued.

- Wayne Tobacco Company, Fort Wayne, Ind. Cigars and smoking and chewing tobacco. No. 95,379; Feb. 10; Gaz. vol. 199; p. 614.
- Wear-U-Well Shoe Company, The, Columbus, Ohio. Hats. No. 96,763; Apr. 28; Gaz. vol. 201; p. 1217.
- Weatherall, John A., San Angelo, Tex. Preparation for treatment of dandruff. No. 101,238; Nov. 17; Gaz. vol. 208; p. 982.
- Weaver, Costello & Company, Pittsburgh, Pa. Candies. No. 95,693; Mar. 3; Gaz. vol. 200; p. 276.
- Webb C. Ball Watch Company, Cleveland, Ohio. Watches and clocks. No. 101,089; Nov. 10; Gaz. vol. 208; p. 653.
- Webb & Company, Newtownards, Ireland. Certain named linen goods. No. 100,668; Oct. 20; Gaz. vol. 207; p. 932.
- Weber, Eugen, Stuttgart, Germany. Slide-rules, measuring-calipers, micrometers, &c. No. 96,764; Apr. 28; Gaz. vol. 201; p. 1217.
- Weber, Frederick, Philadelphia, Pa. Lead, colored, automatic, ink, and screw pencils. No. 98,344; July 7; Gaz. vol. 204; p. 316.
- Weber & Heilbronner, New York, N. Y. Men's and boys' hats. No. 98,345; July 7; Gaz. vol. 204; p. 316.
- Webster Chemical Company, St. Paul, Minn. Inhalant and fever and cathartic tablets. No. 96,474; Apr. 21; Gaz. vol. 201; p. 897.
- Webster Chemical Company, St. Paul, Minn. Wafers of cathartic salts. No. 96,475; Apr. 21; Gaz. vol. 201; p. 897.
- Webster Chemical Company, St. Paul, Minn. Ointment. No. 97,457; June 2; Gaz. vol. 203; p. 301.
- Webster Chemical Company, St. Paul, Minn. Medicinal tonic and nutrient. No. 97,516; June 9; Gaz. vol. 203; p. 597.
- Webster, R. V., Colombo, Ceylon. Teas. No. 101,257; Nov. 17; Gaz. vol. 208; p. 983.
- Webster & Son, E. G., Brooklyn, N. Y. Hollow ware in silver plate. No. 97,020; May 12; Gaz. vol. 202; p. 629.
- Webster & Son, E. G., Brooklyn, N. Y. Hollow ware in silver plate. No. 97,381; June 2; Gaz. vol. 203; p. 299.
- Weddle, Harold, New York, N. Y. Net receptacle for toys and favors. Nos. 98,104-5; June 30; Gaz. vol. 203; p. 1554.
- Wedgefuth, Louis C., New York, N. Y. Sulfur preparations in soluble form. No. 101,061; Nov. 10; Gaz. vol. 208; p. 652.
- Weeber & Don, New York, N. Y. Seeds. No. 99,824; Sept. 15; Gaz. vol. 206; p. 873.
- Weideman Co., Cleveland, Ohio. Certain named foods. No. 99,825; Sept. 15; Gaz. vol. 206; p. 873.
- Weideman Company, The, Cleveland, Ohio. Coffee. No. 100,930; Oct. 27; Gaz. vol. 207; p. 1246.
- Weigel, Hoshaw & Heare, North Yakima, Wash. Remedy for syphilis. No. 96,069; Mar. 31; Gaz. vol. 200; p. 1388.
- Weil-Kalter Mfg. Co., St. Louis, Mo. Silk and jersey petticoats. No. 95,026; Jan. 20; Gaz. vol. 198; p. 700.
- Weingarten Bros., Inc., New York, N. Y. Corsets. No. 96,922; May 5; Gaz. vol. 202; p. 313.
- Weinroth, Max, Philadelphia, Pa. Certain named knitted garments for men, women, and children. No. 100,462; Oct. 20; Gaz. vol. 207; p. 926.
- Weiserbs, Abraham, New York, N. Y. Corsets and gloves. No. 95,966; Mar. 24; Gaz. vol. 200; p. 1112.
- Weldon, Sarah M., Dighton, Mass. A chemical preparation for the removal of hair. No. 95,380; Feb. 10; Gaz. vol. 199; p. 614.
- Wellcome, Henry S., London, England. Pressor substances possessing the properties of an extract of the posterior lobe of the pituitary gland. No. 95,857; Mar. 17; Gaz. vol. 200; p. 854.
- Wellcome, Henry S., London, England. Toilet creams, medicated suppositories, and extract of witch-hazel. No. 96,070; Mar. 31; Gaz. vol. 200; p. 1388.
- Weller, John C. & Joseph L. Nally, Louisville, Ky. Non-intoxicating drink. No. 98,724; July 28; Gaz. vol. 204; p. 1342.
- Wellington, James T., Norwood, Mass. Tonic laxative preparation. Nos. 99,030-1; Aug. 11; Gaz. vol. 205; p. 658.
- Wellington, Sears & Company, Boston, Mass. Cotton duck. No. 98,906; Aug. 4; Gaz. vol. 205; p. 302.
- Wellington, Sears & Company, Boston, Mass. Drilling. No. 98,907; Aug. 4; Gaz. vol. 205; p. 302.
- Welliver, William A., Montrose, Pa. Medicated salve. No. 99,409; Aug. 25; Gaz. vol. 205; p. 1321.
- Wells, Albert A., La Fayette, Ind. Remedies for certain named diseases of animals. No. 99,923; Sept. 22; Gaz. vol. 206; p. 1159.
- Wellworth Mills Company, Minneapolis, Minn. Hosiery, sweaters, knit underwear, gloves, mittens, and caps. No. 98,908; Aug. 4; Gaz. vol. 205; p. 302.
- Welsbach Company, Gloucester City, N. J. Textile mantles for incandescent lamps. No. 97,021; May 12; Gaz. vol. 202; p. 629.
- Welsbach Company, Gloucester City, N. J. Incandescent inverted gas-lamps, burners, and mantles. No. 98,600; July 21; Gaz. vol. 204; p. 1009.
- Wenatchee North Central Fruit Distributors, Wenatchee, Wash. Fresh and green fruits. No. 100,931; Oct. 27; Gaz. vol. 207; p. 1246.
- Wenker, Henry, San Francisco, Cal. Cosmetics for the skin. No. 96,071; Mar. 31; Gaz. vol. 200; p. 1388.
- Wenzel, Paul M., Philadelphia, Pa. Chemical dental preparation. No. 94,966; Jan. 13; Gaz. vol. 198; p. 492.
- Werner-Service Mfg. Co., Jersey City, N. J. Detergent compounds for cleaning and renovating varnished surfaces. No. 100,932; Oct. 27; Gaz. vol. 207; p. 1246.
- Wertheimer & Cie., E., Paris, France. Perfumes, face-paints, and rouges. Nos. 94,967-8; Jan. 13; Gaz. vol. 198; p. 492.
- Wertheimer et Cie., E., Paris, France. Perfumery and face-tints. No. 95,582; Feb. 24; Gaz. vol. 199; p. 1241.
- Wertheimer & Cie., E., Paris, France. Perfumes, face-paints, and rouges. No. 96,557; Apr. 21; Gaz. vol. 201; p. 900.
- Wertheimer et Cie., E., Paris, France. Certain named pharmaceutical preparations. No. 100,463; Oct. 20; Gaz. vol. 207; p. 926.
- Wertheimer et Cie., E., Paris, France. Perfumery, toilet waters, and face-tints. No. 100,669; Oct. 20; Gaz. vol. 207; p. 932.
- Wertheimer & Cie., E., Paris, France. Perfumery and face-tints. No. 100,670; Oct. 20; Gaz. vol. 207; p. 932.
- Wertheimer & Cie., E., Paris, France. Soaps. No. 101,114; Nov. 10; Gaz. vol. 208; p. 653.
- Wertheimer et Cie., E., Paris, France. Toilet soap. No. 101,115; Nov. 10; Gaz. vol. 208; p. 653.
- West Coast Grocery Company, Tacoma, Wash. Package roasted coffee. No. 99,669; Sept. 8; Gaz. vol. 206; p. 587.
- West Disinfecting Company, New York, N. Y. Disinfectants and insecticides. No. 97,740; June 16; Gaz. vol. 203; p. 923.
- West India Oil Company, Bayonne, N. J. Lubricating oils and greases. No. 95,182; Feb. 3; Gaz. vol. 199; p. 301.
- West India Oil Company, Bayonne, N. J. Refined petroleum for illuminating, heating, and power purposes. No. 100,933; Oct. 27; Gaz. vol. 207; p. 1246.
- West Point Manufacturing Co., Langdale, Ga. Cotton-duck cloth. No. 98,909; Aug. 4; Gaz. vol. 205; p. 302.
- West Side Wholesale Grocery Company, Chicago, Ill. Canned fruits, vegetables, and fish. No. 98,910; Aug. 4; Gaz. vol. 205; p. 302.
- West Virginia Pulp Products Co., New York, N. Y. Wood and paper pulps. No. 99,827; Sept. 15; Gaz. vol. 206; p. 873.
- West Virginia Pulp Products Co., New York, N. Y. Pulp-board. No. 101,610; Dec. 29; Gaz. vol. 209; p. 1688.
- Western Cartridge Co., Alton, Ill. Cartridges, empty shells, primers, and shot. No. 98,601; July 21; Gaz. vol. 204; p. 1009.
- Western Clock Co., Peru, Ill. Clocks and watches. No. 95,183; Feb. 3; Gaz. vol. 199; p. 301.
- Western Clock Co., Peru, Ill. Clocks and watches. No. 96,373; Apr. 14; Gaz. vol. 201; p. 567.
- Western Clock Co., Peru, Ill. Clocks and watches. No. 96,616; Apr. 21; Gaz. vol. 201; p. 901.
- Western Clock Co., Peru, Ill. Clocks and watches. Nos. 97,099-100; May 19; Gaz. vol. 202; p. 947.
- Western Honey Producers, Sioux City, Iowa. Honey. No. 100,231; Oct. 13; Gaz. vol. 207; p. 606.
- Western Legumogerm Company, Topeka, Kans. Nitrogen-fixing bacteria. No. 95,967; Mar. 24; Gaz. vol. 200; p. 1112.
- Western Syrup & Manufacturing Co., Tacoma, Wash. Table-syrup. No. 101,239; Nov. 17; Gaz. vol. 208; p. 982.
- Western Tablet Co., St. Joseph, Mo. Writing-tablets. No. 96,765; Apr. 28; Gaz. vol. 201; p. 1217.
- Western Tea & Coffee Co., St. Paul, Minn. Coffees, teas, spices, and flavoring extracts. No. 97,300; May 26; Gaz. vol. 202; p. 1256.
- Western Union Macaroni Mfg. Co., Denver, Colo. Macaroni. No. 96,476; Apr. 21; Gaz. vol. 201; p. 897.
- Westheimer, David, New York, N. Y. Medical tonics, cough-drops, and laxatives. No. 95,810; Mar. 10; Gaz. vol. 200; p. 579.
- Westheimer, David, New York, N. Y. Laxative composition. No. 96,072; Mar. 31; Gaz. vol. 200; p. 1388.
- Westheimer & Sons, Ferdinand, St. Joseph, Mo., and Cincinnati, Ohio. Whisky. No. 97,662; June 16; Gaz. vol. 203; p. 921.
- Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa. Electrical insulating sheets and tubes. No. 96,374; Apr. 14; Gaz. vol. 201; p. 567.
- Westmoreland Candy Company, Richmond, Va. Candy. No. 98,226; July 7; Gaz. vol. 204; p. 312.
- Wetterer Brewing Company, The, Cincinnati, Ohio. Beer. Nos. 100,671-2; Oct. 20; Gaz. vol. 207; p. 932.
- Weyman-Bruton Co., New York, N. Y. Chewing and smoking tobacco. No. 96,375; Apr. 14; Gaz. vol. 201; p. 567.
- Weyman-Bruton Company, New York, N. Y. Chewing and smoking tobacco. No. 97,926; June 23; Gaz. vol. 203; p. 1258.

Alphabetical list of registrants of trade-marks—Continued.

- Weyman-Bruton Company, New York, N. Y. Snuff. No. 97,927; June 23; Gaz. vol. 203; p. 1258.
- Weyman-Bruton Company, New York, N. Y. Snuff. Nos. 98,024-5; June 30; Gaz. vol. 203; p. 1551.
- Weyman-Bruton Company, New York, N. Y. Chewing and smoking tobacco. No. 98,602; July 21; Gaz. vol. 204; p. 1009.
- Wharton, Lewis, Cambridge, Ohio. Shipping-crates. No. 97,579; June 9; Gaz. vol. 203; p. 598.
- Wheatcroft, Thomas S., New York, N. Y. Peanuts. No. 96,477; Apr. 21; Gaz. vol. 201; p. 897.
- Wheeler & Motter Mercantile Company, St. Joseph, Mo. Blankets. No. 96,376; Apr. 14; Gaz. vol. 201; p. 567.
- Wheeler & Motter Mercantile Company, St. Joseph, Mo. Bleached and unbleached muslins. Nos. 98,839-43; Aug. 4; Gaz. vol. 205; p. 300.
- Wheeler & Motter Mercantile Company, St. Joseph, Mo. Bleached and unbleached muslins. Nos. 99,264-5; Aug. 25; Gaz. vol. 205; p. 1317.
- Wheeler & Motter Mercantile Company, St. Joseph, Mo. Bleached and unbleached sheetings. No. 100,934; Oct. 27; Gaz. vol. 207; p. 1246.
- Wheeler & Motter Mercantile Company, St. Joseph, Mo. Bleached and unbleached muslins. No. 100,935; Oct. 27; Gaz. vol. 207; p. 1246.
- Wheilihan, J. F., Cedar Rapids, Iowa. Ginger-beer extract. No. 100,465; Oct. 20; Gaz. vol. 207; p. 926.
- White & Bagley Co., The, Worcester, Mass. Lubricating-oils. No. 95,811; Mar. 10; Gaz. vol. 200; p. 579.
- White & Bagley Co., The, Worcester, Mass. Lubricating oils and greases. No. 100,936; Oct. 27; Gaz. vol. 207; p. 1246.
- White & Bagley Company, Worcester, Mass. Cooling compound for cutting and grinding. No. 98,603; July 21; Gaz. vol. 204; p. 1009.
- White, Geo. S., Nashville, Tenn. Rat-traps. No. 99,924; Sept. 22; Gaz. vol. 206; p. 1159.
- White Provision Company, Atlanta, Ga. Hams, bacon, and lard. No. 98,026; June 30; Gaz. vol. 203; p. 1551.
- White Star Canning Company, Los Angeles, Cal. Certain named foods. No. 97,192; May 19; Gaz. vol. 202; p. 950.
- Whitlock, Claude I., St. Paul, Minn. Certain named pharmaceutical preparations. No. 98,844; Aug. 4; Gaz. vol. 205; p. 300.
- Whitlock, Claude I., St. Paul, Minn. Soap. No. 98,911; Aug. 4; Gaz. vol. 205; p. 302.
- Whitman Chemical Co., Inc., Boston, Mass. Remedy used as a liniment, stimulant, antiseptic, &c. No. 100,673; Oct. 20; Gaz. vol. 207; p. 932.
- Whitmore, John E., Buffalo, N. Y. Soaps and cleaning-powders. No. 98,027; June 30; Gaz. vol. 203; p. 1551.
- Whitmore Manufacturing Company, The, Cleveland, Ohio. Lubricants. No. 96,377; Apr. 14; Gaz. vol. 201; p. 567.
- Whitney-Eckstein Seed Co., Buffalo, N. Y. Clover, &c., seeds, seed grain and corn. No. 97,023; May 12; Gaz. vol. 202; p. 629.
- Whitney-Eckstein Seed Co., Buffalo, N. Y. Alsike-seed, alfalfa-seed, lawn-seed, &c. No. 98,604; July 21; Gaz. vol. 204; p. 1009.
- Whittall, Matthew J., Worcester, Mass. Carpets and rugs. No. 95,027; Jan. 20; Gaz. vol. 198; p. 700.
- Whittier Coburn Company, San Francisco, Cal. Ready-mixed paints. No. 95,185; Feb. 3; Gaz. vol. 199; p. 301.
- Wichert & Gardiner, New York, N. Y. Shoes and slippers of leather. No. 98,726; July 28; Gaz. vol. 204; p. 1342.
- Wichert & Gardiner, Brooklyn and New York, N. Y. Leather and canvas shoes and slippers. No. 99,523; Sept. 1; Gaz. vol. 206; p. 310.
- Wichman, Lutgen & Co., San Francisco, Cal. Blended whiskey. No. 96,378; Apr. 14; Gaz. vol. 201; p. 567.
- Wiebusch & Hilger, Limited, New York, N. Y. Pliers, nippers, pincers, wrenches, and trowels. No. 99,671; Sept. 8; Gaz. vol. 206; p. 587.
- Wiebusch & Hilger, Limited, New York, N. Y. Folding rules. No. 100,937; Oct. 27; Gaz. vol. 207; p. 1247.
- Wiebusch & Hilger, Limited, New York, N. Y. Steel letters and figures for stamping. No. 100,938; Oct. 27; Gaz. vol. 207; p. 1247.
- Wiener, Annie G., New York, N. Y. Certain named decorative metallic money-receptacles. No. 97,101; May 19; Gaz. vol. 202; p. 947.
- Wiesenfeld, Joseph, Baltimore, Md. Fish-tongs. No. 100,733; Oct. 20; Gaz. vol. 207; p. 934.
- Wigglesworth, George, *et al.*, trustees. (See Amoskeag Manufacturing Company, assignor.)
- Wightman, George E., Portland, Oreg. Fabric-cleaner. No. 100,464; Oct. 20; Gaz. vol. 207; p. 926.
- Wilcox Company, Providence, R. I. Soap. No. 98,348; July 7; Gaz. vol. 204; p. 316.
- Wilcox, Horace, Wakefield, R. I. Antiseptic lotion. No. 100,675; Oct. 20; Gaz. vol. 207; p. 932.
- Wilcox, Horace, Wakefield, R. I. Antiseptic lotion, tooth-paste, and cold-cream. No. 101,063; Nov. 10; Gaz. vol. 208; p. 652.
- Wilcox, Lucius H., Danielson, Conn. Confectionery. No. 96,846; May 5; Gaz. vol. 202; p. 311.
- Wilcox, Milton P., Montgomery, Ala. Cheese. No. 97,302; May 26; Gaz. vol. 202; p. 1256.
- Wilde, Grace L., East Quogue, N. Y. Washing fluid. No. 100,466; Oct. 20; Gaz. vol. 207; p. 926.
- Wilder & Company, Chicago, Ill. Hides and leather. No. 95,694; Mar. 3; Gaz. vol. 200; p. 276.
- Wilder-Manning Tanning Company, The, Chicago, Ill. Leather. Nos. 99,524-5; Sept. 1; Gaz. vol. 206; p. 310.
- Wildev, Ambrose S., West Nutley, N. J. Non-poisonous antiseptic. No. 96,479; Apr. 21; Gaz. vol. 201; p. 897.
- Wile, Sons & Co., Julius, New York, N. Y. Sherry-wine. No. 97,794; June 16; Gaz. vol. 203; p. 925.
- Wiley, Jenneviere L., Peoria, Ill. Foot-balm. No. 95,274; Feb. 3; Gaz. vol. 199; p. 304.
- Wiley, Jenneviere L., Peoria, Ill. Massage-oil. No. 98,028; June 30; Gaz. vol. 203; p. 1551.
- Wiley-Spencer Company, Los Angeles, Cal. Games. No. 100,677; Oct. 20; Gaz. vol. 207; p. 932.
- Wilford Hall Laboratories, Port Chester, N. Y. Headache-bandages. No. 100,322; Oct. 20; Gaz. vol. 207; p. 921.
- Wilhelm Henning Co., Chicago, Ill. Olives, prepared mustard, and tomato catsup. No. 94,908; Jan. 13; Gaz. vol. 198; p. 490.
- Wilhelmi, Hock & Co., Frankfort-on-the-Main, Germany. Wine. No. 98,845; Aug. 4; Gaz. vol. 205; p. 300.
- Wilkins, Willis A., El Paso, Tex. Preparation for treating diseases of the skin and scalp. No. 95,275; Feb. 3; Gaz. vol. 199; p. 304.
- Willcox & Gibbs Sewing Machine Co., New York, N. Y. Sewing-machines and parts. No. 98,227; July 7; Gaz. vol. 204; p. 312.
- Wiley, Leon S., Salisbury Beach, Mass. Candy kisses. No. 96,847; May 5; Gaz. vol. 202; p. 311.
- William A. Spinks & Company, Chicago, Ill. Billiard-chalk. No. 97,907; June 23; Gaz. vol. 203; p. 1258.
- William Barker Company, Watervliet, N. Y. Collars. No. 100,485; Oct. 20; Gaz. vol. 207; p. 926.
- William Brown Company, Philadelphia, Pa. Hosiery. Nos. 100,494-5; Oct. 20; Gaz. vol. 207; p. 926.
- William Cail Bitmo Company, New York, N. Y. Carbon-paint. No. 96,559; Apr. 21; Gaz. vol. 201; p. 900.
- William H. Brown & Bro. Company, Baltimore, Md. Perfume, toilet waters, powders, and cold-cream. Nos. 95,982-3; Mar. 31; Gaz. vol. 200; p. 1385.
- William H. Brown & Bro. Company, Baltimore, Md. Perfume, toilet waters, powders, and cold-cream. No. 96,098; Apr. 7; Gaz. vol. 201; p. 261.
- William Hollins & Company, Limited, London, England. Neckties. No. 98,525; July 21; Gaz. vol. 204; p. 1007.
- William J. Lemp Brewing Company, St. Louis, Mo. Bottled beer. No. 95,120; Feb. 3; Gaz. vol. 199; p. 299.
- William L. Dines, Jr. Co., Worcester, Mass. Coffee-hulling machines. No. 95,606; Mar. 3; Gaz. vol. 200; p. 273.
- William L. Dines, Jr. Co., Worcester, Mass. Coffee-pulping machines. No. 95,607; Mar. 3; Gaz. vol. 200; p. 273.
- William Mitchell (Pens) Limited, Smethwick, Birmingham, England. Fountain-pens. No. 96,979; May 12; Gaz. vol. 202; p. 628.
- William Mitchell (Pens) Limited, Smethwick, Birmingham, England. Steel and metallic pens. No. 96,980; May 12; Gaz. vol. 202; p. 628.
- William Peterman Inc., Jersey City, N. J., and New York, N. Y. Insecticides. No. 98,193; July 7; Gaz. vol. 204; p. 311.
- William Peterman Inc., Jersey City, N. J., and New York, N. Y. Insecticides. No. 98,316; July 7; Gaz. vol. 204; p. 315.
- William Prym Company, The, Limited, Stolberg, Germany, and New York, N. Y. Certain pins, hooks and eyes, thumbles, and rings used in dressmaking. No. 95,148; Feb. 3; Gaz. vol. 199; p. 300.
- William R. Burkhard Co., The, St. Paul, Minn. Sporting-powder, ammunition, shells, cartridges, guns, &c. No. 99,278; Aug. 25; Gaz. vol. 205; p. 1317.
- William R. Burkhard Co., The, St. Paul, Minn. Certain sporting goods and gymnasium apparatus. No. 100,498; Oct. 20; Gaz. vol. 207; p. 927.
- William R. Burkhard Co., The, St. Paul, Minn. Row-boats, power-boats, launches, canoes, &c. No. 100,951; Nov. 3; Gaz. vol. 208; p. 333.
- William Radam Microbe Killer Company, The, New York, N. Y. Medicine for the treatment of certain named diseases. No. 98,005; June 30; Gaz. vol. 203; p. 1551.
- William Schotten Coffee Company, St. Louis, Mo. Green and roasted coffee. Nos. 98,014-15; June 30; Gaz. vol. 203; p. 1551.
- William Schotten Coffee Company, St. Louis, Mo. Tea, coffee, spices, &c. No. 101,221; Nov. 17; Gaz. vol. 208; p. 982.
- William Underwood Company, Boston, Mass. Canned fish, ham, poultry, and beef. No. 100,229; Oct. 13; Gaz. vol. 207; p. 606.
- William Walker & Sons, Limited, Bolton, England. Leather and skins. Nos. 100,923-4; Oct. 27; Gaz. vol. 207; p. 1246.
- Williams Baking Company, Newark, N. J. Bread. No. 99,828; Sept. 15; Gaz. vol. 206; p. 873.
- Williams & Co., R. C., New York, N. Y. Canned salmon and lobster. No. 94,969; Jan. 13; Gaz. vol. 198; p. 492.

Alphabetical list of registrants of trade-marks—Continued.

- Williams & Co., R. C., New York, N. Y. Canned salmon. No. 101,554; Dec. 22; Gaz. vol. 209; p. 1314.
- Williams & Daly Company, The, Boston, Mass. Screening devices and separators. No. 100,939; Oct. 27; Gaz. vol. 207; p. 1247.
- Williams, Guy W., St. Louis, Mo. Remedy for indigestion, gastritis, &c. No. 100,467; Oct. 20; Gaz. vol. 207; p. 926.
- Williams, Helen K., San Francisco, Cal. Monthly magazine. No. 97,928; June 23; Gaz. vol. 203; p. 1258.
- Williams, Martin & Gray, Inc., Norfolk, Va. Perfumes and talcum powder. No. 95,277; Feb. 3; Gaz. vol. 199; p. 304.
- Williams, Mortimer, Petersburg, Va. Peanuts, peanut butter, and candy, salted peanuts. No. 100,190; Oct. 6; Gaz. vol. 207; p. 296.
- Williamson County Coal Company, St. Louis, Mo. Coal. Nos. 101,240-1; Nov. 17; Gaz. vol. 208; p. 982.
- Willis & Co., W. P., New York, N. Y. Silk piece goods. No. 98,106; June 30; Gaz. vol. 203; p. 1554.
- Willson, Mordecai M., Des Moines, Iowa. Certain named pharmaceutical preparations for toilet purposes. No. 101,024; Nov. 3; Gaz. vol. 208; p. 335.
- Wilmer Atkinson Co., Philadelphia, Pa. Monthly periodicals. No. 98,738; Aug. 4; Gaz. vol. 205; p. 297.
- Wilson, Arthur E., Kalamazoo, Mich. Writing-tablets. No. 96,379; Apr. 14; Gaz. vol. 201; p. 567.
- Wilson Brothers, Chicago, Ill. Shirts, undershirts, drawers, and one-piece pajamas. No. 99,032; Aug. 11; Gaz. vol. 205; p. 658.
- Wilson, Chas. H., Mount Vernon and New York, N. Y. Thermo-electric couples used in pyrometry for temperature measurements. No. 95,028; Jan. 20; Gaz. vol. 198; p. 700.
- Wilson, George C., Tyrone, Pa. Cold-cream, perfumes, and face-powder. No. 94,844; Jan. 6; Gaz. vol. 198; p. 236.
- Wilson, Odell, Cleveland, Ohio. Dental powder used in holding dental plates in the mouth. No. 96,214; Apr. 7; Gaz. vol. 201; p. 265.
- Wilson & Toomer Fertilizer Company, Jacksonville, Fla. Fertilizers. No. 101,064; Nov. 10; Gaz. vol. 208; p. 652.
- Wimpfheimer & Bro., A., New York, N. Y. Pile fabrics, plushes, and velvets. No. 97,303; May 26; Gaz. vol. 202; p. 1256.
- Winchester Repeating Arms Co., New Haven, Conn. Rifle-cartridges. No. 96,848; May 5; Gaz. vol. 202; p. 311.
- Windsor, Millard F., Buffalo, N. Y. Soap. No. 98,605; July 21; Gaz. vol. 204; p. 1009.
- Wine Coca Manufacturing Company, Atlanta, Ga. Soda-fountain syrup. No. 94,970; Jan. 13; Gaz. vol. 198; p. 492.
- Wing Patent Garment Co., New York, N. Y. Children's, misses', and women's coats and capes. No. 100,679; Oct. 20; Gaz. vol. 207; p. 932.
- Winger Blume Mfg. Co., Wolcott, Ind. Laundry-washing machines. No. 101,437; Dec. 8; Gaz. vol. 209; p. 681.
- Winter, Charles A., Rahway, N. J. Certain detergent preparation. No. 100,469; Oct. 20; Gaz. vol. 207; p. 926.
- Winwood, George M., Jr., Springfield, Ohio. Seeding machinery and grain-drills. No. 96,215; Apr. 7; Gaz. vol. 201; p. 265.
- Wire Products Company, Wilmington, Del., and New York, N. Y. Garment-fasteners. No. 95,812; Mar. 10; Gaz. vol. 200; p. 579.
- Wirick, Carey G., Pittsburgh, Pa. Lubricant for chains and meshing surfaces. No. 96,076; Mar. 31; Gaz. vol. 200; p. 1388.
- Wisconsin Electric Company, Racine, Wis. Electric cleaning apparatus. No. 96,766; Apr. 28; Gaz. vol. 201; p. 1217.
- Wise Brothers, New York, N. Y. Shirts, drawers, overalls, jumpers, &c. No. 98,451; July 14; Gaz. vol. 204; p. 672.
- Wite Dri Cleaner Co., Cincinnati, Ohio. Dry cleaner for white shoes, &c. No. 97,795; June 16; Gaz. vol. 203; p. 925.
- Witherspoon, John C., Davenport, Iowa. Remedy for certain named diseases. No. 95,029; Jan. 20; Gaz. vol. 198; p. 700.
- Witt & Witt, Boons Path, Va. Preparation for the treatment of cancers. No. 101,242; Nov. 17; Gaz. vol. 208; p. 982.
- Wittmann, Joseph, New York, N. Y. Rugs and druggets. No. 97,581; June 9; Gaz. vol. 203; p. 598.
- Wizard Electric Lamp Co., San Francisco, Cal. Electric lamps. Nos. 97,741-2; June 16; Gaz. vol. 203; p. 923.
- Wizard Products Company, Chicago, Ill. Ironing-wax. No. 100,470; Oct. 20; Gaz. vol. 207; p. 926.
- Wizard Products Company, Chicago, Ill. Mops. Nos. 100,681-2; Oct. 20; Gaz. vol. 207; p. 932.
- Wm. Walke & Co., St. Louis, Mo. Soap. No. 100,664; Oct. 20; Gaz. vol. 207; p. 931.
- Wm. A. Rogers, Limited, New York and Niagara Falls, N. Y. Silver-plated flat and hollow ware and cutlery. No. 97,079; May 19; Gaz. vol. 202; p. 946.
- Wm. Alton Co., Inc., New York, N. Y. Wheat-flour. No. 99,677; Sept. 15; Gaz. vol. 206; p. 869.
- Wm. C. Robinson & Son Co., Baltimore, Md. Cylinder and engine oils. No. 96,342; Apr. 14; Gaz. vol. 201; p. 566.
- Wm. C. Robinson & Son Co., Baltimore, Md. Oil for use in finishing and sizing cotton goods. No. 96,909; May 5; Gaz. vol. 202; p. 813.
- Wm. C. Robinson & Son Co., Baltimore, Md. Leather-oil. No. 98,696; July 28; Gaz. vol. 204; p. 1341.
- Wm. C. Robinson & Son Co., Baltimore, Md. Leather-oil. No. 98,816; Aug. 4; Gaz. vol. 205; p. 299.
- Wm. C. Robinson & Son Co., Baltimore, Md., and Coraopolis, Pa. Engine-oil. No. 100,030; Sept. 29; Gaz. vol. 206; p. 1434.
- Wm. C. Robinson & Son Co., Baltimore, Md. Engine and machine oils. No. 101,011; Nov. 3; Gaz. vol. 208; p. 335.
- Wm. E. Hooper & Sons Co., Baltimore, Md. Cotton-duck bags. No. 97,537; June 9; Gaz. vol. 203; p. 597.
- Wm. H. Hoegee Company, Los Angeles, Cal. Certain named toys and sporting appliances. No. 95,319; Feb. 10; Gaz. vol. 199; p. 612.
- Wm. H. Horstmann Company, Philadelphia, Pa. Embroidery thread and yarn. No. 96,675; Apr. 28; Gaz. vol. 201; p. 1214.
- Wm. R. Gratz Import Co., New York, N. Y. Strings for musical instruments. No. 97,238; May 26; Gaz. vol. 202; p. 1254.
- Wm. Wrigley Jr. Company, Chicago, Ill. Chewing-gum. Nos. 100,058-70; Sept. 29; Gaz. vol. 206; pp. 1434-5.
- Wohl & Co., L., New York, N. Y. Infants' and children's dresses. No. 97,383; June 2; Gaz. vol. 203; p. 299.
- Wohl & Co., L., New York, N. Y. Infants' and children's dresses. No. 97,517; June 9; Gaz. vol. 203; p. 597.
- Woldert Grocery Company, Tyler, Tex., and Chicago, Ill. Nutcrackers. No. 95,186; Feb. 3; Gaz. vol. 199; p. 301.
- Wolf, David, New York, N. Y. Dolls and toys. No. 98,846; Aug. 4; Gaz. vol. 205; p. 300.
- Wolf, David, New York, N. Y. Books. No. 99,527; Sept. 1; Gaz. vol. 206; p. 310.
- Wolf, George H., New York, N. Y. Cotton and cotton and silk piece goods. No. 100,683; Oct. 20; Gaz. vol. 207; p. 932.
- Wolf, John J., Philadelphia, Pa. Sweet beer. No. 99,925; Sept. 22; Gaz. vol. 206; p. 1159.
- Wolfenberger, Leo, J., Wichita, Kans. Coats, hats, dresses, &c. No. 101,025; Nov. 3; Gaz. vol. 208; p. 335.
- Wolfram, Theodor, Columbus, Ohio. Coffee substitute. No. 98,912; Aug. 4; Gaz. vol. 205; p. 302.
- Wolfson, Isadore D., New York, N. Y. Neckscarfs. No. 100,471; Oct. 20; Gaz. vol. 207; p. 926.
- Wollensak Optical Company, Rochester, N. Y. Photographic lenses and shutters. No. 99,375; Aug. 25; Gaz. vol. 205; p. 1320.
- Wolodarsky, Max, New York, N. Y. Toilet cream and toilet lotion. No. 95,813; Mar. 10; Gaz. vol. 200; p. 579.
- Wolpow, Louis, New York, N. Y. Remedy for habitual constipation, &c., and a cough-balsam. No. 99,410; Aug. 25; Gaz. vol. 205; p. 1321.
- Wonder Manufacturing Co., Sumner, Iowa. Poultry remedies. No. 98,990; Aug. 11; Gaz. vol. 205; p. 657.
- Wood, Henry A. W., New York, N. Y. Shaving-cream. No. 99,829; Sept. 15; Gaz. vol. 206; p. 873.
- Wood, Jarvis A., Philadelphia, Pa., and Miami, Fla. Grape-fruit. No. 98,229; July 7; Gaz. vol. 204; p. 312.
- Wood-Lane Drug Co., Newbern, N. C. Remedy for treatment of smoking habit. No. 98,230; July 7; Gaz. vol. 204; p. 312.
- Wood & Sons, T. W., Richmond, Va. Poultry foods. No. 101,611; Dec. 29; Gaz. vol. 209; p. 1688.
- Woodcock, Embert C., East Orange, N. J. Intestinal and pulmonary antiseptic. No. 97,102; May 19; Gaz. vol. 202; p. 947.
- Woodfield, Arthur H., Luton, England. Hat-bandeaux. No. 95,814; Mar. 10; Gaz. vol. 200; p. 579.
- Woodley Yerba Maté Tea Co., The, Shamrock, Tex. Tea. No. 98,130; July 7; Gaz. vol. 204; p. 309.
- Woodmansee, Frederick A., Galesburg, Ill. Remedy for certain named diseases of horses and cattle. No. 95,815; Mar. 10; Gaz. vol. 200; p. 579.
- Woodruff, Edwin, East Durham, N. Y. Throat and lung remedy. No. 99,411; Aug. 25; Gaz. vol. 205; p. 1321.
- Woods, Francis A., assignor to Woods Mobilette Company, Chicago, Ill. Automobiles. No. 98,109; June 30; Gaz. vol. 203; p. 1554.
- Woods, Francis A., assignor to Woods Mobilette Company, Chicago, Ill. Automobiles. No. 99,528; Sept. 1; Gaz. vol. 206; p. 310.
- Woods, Francis A., assignor to Woods Mobilette Company, Chicago, Ill. Automobiles. No. 99,672; Sept. 8; Gaz. vol. 206; p. 587.
- Woods Mobilette Company. (See Woods, Francis A., assignor.)
- Woofter, Camden, St. Louis, Mo. Corn and bunion remedy. No. 95,504; Feb. 17; Gaz. vol. 199; p. 936.
- Woofter, Camden, St. Louis, Mo. Corn and bunion plaster. No. 95,584; Feb. 24; Gaz. vol. 199; p. 1241.
- Woolson Spice Co., Toledo, Ohio. Coffee. No. 99,926; Sept. 22; Gaz. vol. 206; p. 1159.
- Woolson Spice Company, The, Toledo, Ohio. Coffee, teas, and spices. No. 99,831; Sept. 15; Gaz. vol. 206; p. 873.
- Woolson Spice Company, Toledo, Ohio. Baking-powder. No. 100,056; Sept. 29; Gaz. vol. 206; p. 1434.

Alphabetical list of registrants of trade-marks—Continued.

- Woonsocket Rubber Company, Woonsocket, R. I. Rubber boots and shoes. No. 99,674; Sept. 8; Gaz. vol. 206; p. 587.
- Worcester Baking Co., Worcester, Mass. Wheat-bread. No. 100,737; Oct. 20; Gaz. vol. 207; p. 934.
- Worcester Royal Porcelain Company Limited, Worcester, England. Table and ornamental dishes, plates, and bowls. No. 99,927; Sept. 22; Gaz. vol. 206; p. 1159.
- Worcester Salt Co., Silver Springs and New York, N. Y. Salt for bathing. No. 100,684; Oct. 20; Gaz. vol. 207; p. 932.
- Worden Grocer Company, Grand Rapids, Mich. Blended coffee. No. 94,971; Jan. 13; Gaz. vol. 198; p. 492.
- Workman Packing Company, San Francisco, Cal. Tamales and karno. No. 96,480; Apr. 21; Gaz. vol. 201; p. 898.
- Workman Packing Company, San Francisco, Cal. Food product consisting of certain named ingredients. No. 99,267; Aug. 25; Gaz. vol. 205; p. 1317.
- World Special Films Corporation, New York, N. Y. Motion-picture and photoplay films. No. 96,767; Apr. 28; Gaz. vol. 201; p. 1217.
- Wortendyke Manufacturing Company, Richmond, Va. Toilet-paper. No. 96,617; Apr. 21; Gaz. vol. 201; p. 901.
- Worth, Paris, France. Gowns, mantles, fur garments, women's underwear. No. 96,618; Apr. 21; Gaz. vol. 201; p. 901.
- Worthington Ball Company, The, Elyria, Ohio. Golf-balls. No. 97,582; June 9; Gaz. vol. 203; p. 599.
- Worumbo Manufacturing Company, Bath, Me., and New York, N. Y. Women's and children's coats, leggings, caps, mufflers, and sweaters. No. 97,194; May 19; Gaz. vol. 202; p. 950.
- Worumbo Manufacturing Company, Bath, Me., and New York, N. Y. Pile fabrics. No. 97,195; May 19; Gaz. vol. 202; p. 950.
- Wright, David E., deceased; I. Wright, executrix, Harrisburg, Pa., and New York, N. Y. Hair- tonic. No. 97,384; June 2; Gaz. vol. 203; p. 299.
- Wright & Ditson, Jersey City, N. J., and Boston, Mass. Golf-balls. No. 100,685; Oct. 20; Gaz. vol. 207; p. 932.
- Wright, H. O., Winnipeg, Manitoba, Canada. Remedy for mares to procure immunity for the foals from a certain disease. No. 100,057; Sept. 29; Gaz. vol. 206; p. 1434.
- Wright, Isabella, executrix. (See Wright, David E.)
- Wright, Joe E., Junction City, Ky. Jacks and jennets, mules, stallions, mares, and Shetland ponies. No. 101,243; Nov. 17; Gaz. vol. 208; p. 982.
- Wright's Indian Vegetable Pill Co., New York, N. Y. Remedy for gonorrhea, gleet, strictures, &c. No. 97,518; June 9; Gaz. vol. 203; p. 597.
- Wright's Indian Vegetable Pill Company, New York, N. Y. Vermifuge. No. 98,992; Aug. 11; Gaz. vol. 205; p. 657.
- Writerpress Company, The, Buffalo, N. Y. Duplicating-machines and parts thereof. No. 95,971; Mar. 24; Gaz. vol. 200; p. 1112.
- Wulfang Grocer Company, St. Louis, Mo. Certain industrial chemicals. No. 96,560; Apr. 21; Gaz. vol. 201; p. 900.
- Wulfang Grocer Company, St. Louis, Mo. Rubber jar-rings. No. 97,024; May 12; Gaz. vol. 202; p. 629.
- Wye, William H., Needham, Mass. Sweaters and jerseys. No. 98,606; July 21; Gaz. vol. 204; p. 1009.
- Wyeth Hdw. & Mfg. Co., St. Joseph, Mo. Certain named tools. No. 97,796; June 16; Gaz. vol. 203; p. 925.
- Wyoming Shovel Works, Wyoming, Pa. Shovels, spades, and scoops. No. 96,768; Apr. 28; Gaz. vol. 201; p. 1217.
- Wytenbach Bros. Company, Evansville, Ind. Remedy for rheumatism and diseases of the bladder and kidneys. No. 101,453; Dec. 15; Gaz. vol. 209; p. 1049.
- Yakima County Horticultural Union, North Yakima, Wash. Second quality of fresh deciduous fruits, apples, and pears. No. 98,030; June 30; Gaz. vol. 203; p. 1551.
- Yakima County Horticultural Union, North Yakima, Wash. Fresh deciduous fruits, apples, pears, peaches, and prunes. No. 100,940; Oct. 27; Gaz. vol. 207; p. 1247.
- Yakima Valley Fruit Growers Association, North Yakima, Wash. Fresh fruits. No. 98,607; July 21; Gaz. vol. 204; p. 1009.
- Yakima Valley Fruit Growers' Association, Yakima, Wash. Canned, dried, and evaporated fruits and jellies. No. 99,412; Aug. 25; Gaz. vol. 205; p. 1321.
- Yale & Towne Manufacturing Co., The, Stamford, Conn., and New York, N. Y. Automatic bolt-operating machines, pulley-blocks, and hoists. No. 100,941; Oct. 27; Gaz. vol. 207; p. 1247.
- Yamamoto, Suzaburo, Los Angeles, Cal. Preparation for curing burns. No. 101,026; Nov. 3; Gaz. vol. 208; p. 335.
- Yangco, Luis R., Manila, Philippine Islands. Silk, cotton, and woolen cloth. No. 97,104; May 19; Gaz. vol. 202; p. 947.
- Yangco, Luis R., Manila, Philippine Islands. Heavy iron hauling-chains, enamel ware, pipe, nails, &c. Nos. 101,348-9; Nov. 24; Gaz. vol. 208; p. 1353.
- Yasumura, George Y., Seattle, Wash. Ice-cream cones. No. 101,350; Nov. 24; Gaz. vol. 208; p. 1353.
- Yates & Donelson Co., Memphis, Tenn. Cornmeal. No. 95,505; Feb. 17; Gaz. vol. 199; p. 936.
- Yates & Donelson Co., Memphis, Tenn. Self-rising wheat-flour. No. 95,585; Feb. 24; Gaz. vol. 199; p. 1241.
- Yeocell, William J., Philadelphia, Pa. Printing-plates. No. 99,832; Sept. 15; Gaz. vol. 206; p. 873.
- Yopp Seed Co., M. J., Paducah, Ky. Field and garden seed. No. 96,380; Apr. 14; Gaz. vol. 201; p. 567.
- York-Bradford Co., San Francisco, Cal. Paper boxes. No. 100,687; Oct. 20; Gaz. vol. 207; p. 932.
- York, Chauncey F., Detroit, Mich. Remedy for certain named diseases and ailments. No. 99,928; Sept. 22; Gaz. vol. 206; p. 1159.
- York, Chauncey F., Detroit, Mich. Preparation for treatment of the skin. No. 100,686; Oct. 20; Gaz. vol. 207; p. 932.
- York Manufacturing Co., Saco, Me. Cotton piece goods. No. 95,030; Jan. 20; Gaz. vol. 198; p. 700.
- Young, Albert J., Milwaukee, Wis. Medicinal compound for regulating the liver and stomach. No. 101,065; Nov. 10; Gaz. vol. 208; p. 652.
- Young, Annie, Amsterdam, N. Y. Remedy for certain skin affections, chapped hands, burns, and wrinkles. No. 96,923; May 5; Gaz. vol. 202; p. 313.
- Young, Clarence F., Chicago, Ill. Certain named pharmaceutical preparations for toilet use. No. 99,187; Aug. 18; Gaz. vol. 205; p. 1018.
- Young, George I., Baltimore, Md. Antiseptic and healing solutions for scalds, burns, cuts, ulcers, &c. No. 95,031; Jan. 20; Gaz. vol. 198; p. 700.
- Young, Jesse H., Fort Wayne, Ind. Silver-plating material. No. 95,279; Feb. 3; Gaz. vol. 199; p. 304.
- Young Manufacturing Company, Seattle, Wash. Floor-sweeping compound. No. 97,458; June 2; Gaz. vol. 203; p. 301.
- Young & Parsons, Abernant, Ala. Remedy for hemorrhoids. No. 99,929; Sept. 22; Gaz. vol. 206; p. 1159.
- Young, Robert, Columbus, Ohio. Candy. No. 96,216; Apr. 7; Gaz. vol. 201; p. 265.
- Young Safety Razor Company, Philadelphia, Pa. Razors. No. 99,376; Aug. 25; Gaz. vol. 205; p. 1320.
- Young & Swain Baking Co., San Francisco, Cal. Bread. No. 95,695; Mar. 3; Gaz. vol. 200; p. 276.
- Youngstown Macaroni Co., The, Youngstown, Ohio. Olive-oil and macaroni. No. 97,304; May 26; Gaz. vol. 202; p. 1256.
- Yozo Co., Chattanooga, Tenn. Certain named pharmaceutical preparation. No. 101,244; Nov. 17; Gaz. vol. 208; p. 982.
- Zabel & Son, Lanesville, Ind. Flour. No. 97,663; June 16; Gaz. vol. 203; p. 921.
- Zabel & Son, Lanesville, Ind. Wheat-flour. No. 98,608; July 21; Gaz. vol. 204; p. 1009.
- Zaegel, Max R., Sheboygan, Mich. Medicinal oils for use as a remedy for certain named complaints. No. 97,743; June 16; Gaz. vol. 203; p. 923.
- Zanders, Firm of J. W., Bergisch-Gladbach, Germany. Cardboard, pasteboard, wrapping and writing paper, envelops, and cards. No. 98,110; June 30; Gaz. vol. 203; p. 1554.
- Zehring Brothers, Beatrice, Nebr. Stove-polish. No. 97,583; June 9; Gaz. vol. 203; p. 599.
- Zeidler, Bertha, Los Angeles, Cal. Preparation for treatment of epilepsy. No. 101,027; Nov. 3; Gaz. vol. 208; p. 335.
- Zeiss, Firm of Carl, Jena, Germany. Surveying, photographic, and optical apparatus. No. 97,930; June 23; Gaz. vol. 203; p. 1258.
- Zeiss, Firm of Carl, Jena, Germany. Lenses for scientific use, prisms, &c. Nos. 100,688-9; Oct. 20; Gaz. vol. 207; p. 932.
- Zeltmacher, George E., New York, N. Y. Belts for personal wear. No. 95,853; Mar. 17; Gaz. vol. 200; p. 854.
- Zerfing and Lightner, Philadelphia, Pa. Men's outer suits. No. 95,816; Mar. 10; Gaz. vol. 200; p. 579.
- Zerphy, Monroe E., Wilmington, Del., and Lancaster, Pa. Remedy for leucorrhea, gonorrhea, and gleet. No. 94,846; Jan. 6; Gaz. vol. 198; p. 236.
- Ziebold, George W., Waterloo, Ill. Self-rising wheat-flour. No. 99,377; Aug. 25; Gaz. vol. 205; p. 1320.
- Zinn, Edward, New York, N. Y. Certain named cutlery and tools and parts thereof. No. 99,529; Sept. 1; Gaz. vol. 206; p. 310.
- Zographos, Aris, New York, N. Y. Cigarettes. No. 101,245; Nov. 17; Gaz. vol. 208; p. 982.
- Zono Chemical Co. Inc., Brooklyn, N. Y. Ointment. No. 99,530; Sept. 1; Gaz. vol. 206; p. 310.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

- A. Schmidt Jr. & Bros. Wine Co., The, Sandusky, Ohio. "Virginette." (For Wine.) No. 17,632; Mar. 31; Gaz. vol. 200; p. 1389.
- A. Schreiber Brewing Company, Buffalo, N. Y. "Nilo-Lager." (For Beer.) No. 17,548; Feb. 10; Gaz. vol. 199; p. 615.
- A. Wilhelm Company, The, Reading, Pa.; New York, N. Y., and Boston, Mass. "Rookwood." (For Enamel.) Nos. 17,990-1; Sept. 15; Gaz. vol. 206; p. 875.
- A. G. Spalding & Bros., Jersey City, N. J., and New York, N. Y. "Spalding 'Official National League' Ball." (For Base-Balls.) No. 18,040; Oct. 13; Gaz. vol. 207; p. 607.
- A. G. Spalding & Bros., Jersey City, N. J., and New York, N. Y. "Spalding 'Official National League' Jr." (For Base-Balls.) No. 18,082; Nov. 3; Gaz. vol. 208; p. 336.
- Abbey & Imbrie, New York, N. Y. "Fishing Tackle that's Fit for Fishing." (For Fishing-Tackle.) No. 17,565; Feb. 24; Gaz. vol. 199; p. 1242.
- Ackerman, Joseph F., Bridgeport, Conn. "Corset de Luxe." (For Corsets.) No. 17,589; Mar. 3; Gaz. vol. 200; p. 278.
- Ackerman, Robert M., Binghamton, N. Y. "Best-O Chewing Gum." (For Chewing-Gum.) No. 17,770; June 16; Gaz. vol. 203; p. 927.
- Adale Chemical Co., New York, N. Y. "Fum-a-dor." (For a Deodorizer.) No. 17,816; July 7; Gaz. vol. 204; p. 317.
- Adams & Elting Company, Chicago, Ill. "Spar-Ite." (For Varnish.) No. 17,900; Aug. 18; Gaz. vol. 205; p. 1019.
- Adams, Thomas H., Vincennes, Ind. "Cushman's Menthol Candy Bars." (For Candy.) No. 18,109; Nov. 24; Gaz. vol. 208; p. 1354.
- Adjustable Table Company, The, Grand Rapids, Mich. "White Steel Sanitary Furniture." (For Furniture Made Mainly of Steel.) No. 17,446; Jan. 20; Gaz. vol. 198; p. 701.
- Aims, Wm. D. P., Jr., Philadelphia, Pa. "Aims Mfg. Co. Antiseptics." (For Antiseptics.) No. 17,447; Jan. 20; Gaz. vol. 198; p. 701.
- Aims, Wm. D. P., Jr., Philadelphia, Pa. "Hypo Hair Tonic." (For Hypo Hair-Tonic.) No. 17,448; Jan. 20; Gaz. vol. 198; p. 701.
- Aims, Wm. D. P., Jr., Philadelphia, Pa. "Antiseptic Quinine Hair Tonic." (For Antiseptic Quinine Hair-Tonic.) No. 17,449; Jan. 20; Gaz. vol. 198; p. 701.
- Aladdin Specialty Co., Chicago, Ill. "Aladdin Polish." (For Liquid Polish.) No. 17,960; Sept. 15; Gaz. vol. 206; p. 875.
- Albu, Dumitru, Cleveland, Ohio. "Eureka Automobile Radiator and Engine Compound." (For Automobile Radiator and Engine Compound.) No. 17,713; May 26; Gaz. vol. 202; p. 1257.
- Alday Mfg. Co., The, Cleveland, Ohio. "Double Master Vibrator." (For Double Master-Vibrators.) No. 17,879; Aug. 4; Gaz. vol. 205; p. 303.
- Alden, Lucy, Saginaw, Mich. "The Alden Sanitary Napkin Holder." (For Sanitary Napkins.) No. 18,153; Dec. 22; Gaz. vol. 209; p. 1315.
- Alexander, Magnus W., West Lynn, Mass. "N. A. S. O. Standard First Aid Jar." (For Standard First-Aid Jars.) No. 18,096; Nov. 10; Gaz. vol. 208; p. 654.
- Alton Watch & Merchandise Company, Chicago, Ill. "Mugs." (For Corn-Plasters.) No. 18,046; Nov. 3; Gaz. vol. 208; p. 336.
- Amalgamated Paint Company, Jersey City, N. J., and New York, N. Y. "Amalgamated Mixed Paint." (For Mixed Paints.) No. 17,838; July 14; Gaz. vol. 204; p. 673.
- American Candy Company, Milwaukee, Wis. "Almond Malted Milk Chocolate Bar." (For Chocolate Bars.) No. 18,144; Dec. 15; Gaz. vol. 209; p. 1051.
- American Lithographic Company, New York, N. Y. "Elegantes." (For Cigars.) No. 18,005; Oct. 13; Gaz. vol. 207; p. 607.
- American Lithographic Company, New York, N. Y. "Superior Cigars." (For Cigars.) No. 18,006; Oct. 13; Gaz. vol. 207; p. 607.
- American Lithographic Company, New York, N. Y. "Stanwick." (For Cigars.) No. 18,007; Oct. 13; Gaz. vol. 207; p. 607.
- American Lithographic Company, New York, N. Y. "Seleccion Especial." (For Cigars.) No. 18,008; Oct. 13; Gaz. vol. 207; p. 607.
- American Lithographic Company, New York, N. Y. "Quality Cigars." (For Cigars.) No. 18,047; Nov. 3; Gaz. vol. 208; p. 336.
- American Paint & Varnish Co., Cleveland, Ohio. "Old Dutch ready mixed paint." (For Paint.) No. 17,714; May 26; Gaz. vol. 202; p. 1257.
- American Steel & Wire Company of New Jersey, The, Hoboken, N. J., and Worcester, Mass. "Americore." (For Rubber-Covered Wire.) No. 17,566; Feb. 24; Gaz. vol. 199; p. 1242.
- American Wine and Spirit Company, Philadelphia, Pa. "Strouse's Ginger Brandy." (For Cordialized Ginger Brandy.) No. 17,601; Mar. 24; Gaz. vol. 200; p. 1113.
- Andrews, Frank, deceased, Chicago; L. A. Rawson, administrator, Hinsdale, Ill. "Arnica Tooth Soap Compound." (For Arnica Tooth-Soap Compound.) No. 17,495; Feb. 3; Gaz. vol. 199; p. 305.
- Andrews, Frank, deceased, Chicago; L. A. Rawson, administrator, Hinsdale, Ill. "Arnica Jelly." (For Arnica Jelly.) No. 17,496; Feb. 3; Gaz. vol. 199; p. 305.
- Angermeier, John A., Jr., Elberfeld, Ind. "Angermeier's Peerless Liniment." (For Liniment.) No. 17,961; Sept. 15; Gaz. vol. 206; p. 875.
- Arbeiter, Peter J., New York, N. Y. "Arbeiter's Vermin-death." (For Vermin-Destroyer.) No. 17,901; Aug. 18; Gaz. vol. 205; p. 1019.
- Arbuthnot, Stephenson & Company, Pittsburgh, Pa. "Otoyo." (For Safety-Pins.) No. 17,613; Mar. 31; Gaz. vol. 200; p. 1389.
- Archbold Sales Corporation, Brooklyn, N. Y. "A'2'A'"
Two Ways
(For Shoe-Polish.) No. 17,520; Feb. 10; Gaz. vol. 199; p. 615.
- Archbold Sales Corporation, Brooklyn, N. Y. "Rock Crystals." (For Rock Crystals.) No. 17,553; Feb. 17; Gaz. vol. 199; p. 937.
- Ariel, A. J., New York, N. Y. "Pilot Rubber Type Roofing." (For Roofing.) No. 17,567; Feb. 24; Gaz. vol. 199; p. 1242.
- Ariel, A. J., New York, N. Y. "Sphinx Rubber Roofing." (For Rubber Roofing.) No. 17,645; Apr. 14; Gaz. vol. 201; p. 568.
- Ariel, A. J., New York, N. Y. "Pyramid Rubber Roofing." (For Rubber Roofing.) No. 17,646; Apr. 14; Gaz. vol. 201; p. 568.
- Armour, John B., Saco, Mont. "Warrior Liniment." (For Liniment.) No. 17,663; Apr. 28; Gaz. vol. 201; p. 1218.
- Arnholt & Schaefer Brewing Co., The, Philadelphia, Pa. "Arnholt-Schaefer Brew." (For Beer.) No. 18,048; Nov. 3; Gaz. vol. 208; p. 336.
- August Company, The, New York, N. Y. "'American Beauties' Favorite Face Cream." (For Face-Cream.) No. 17,931; Aug. 18; Gaz. vol. 205; p. 1019.
- Aunt Jemima Mills Company, St. Joseph, Mo. "Aunt Jemima's Pancake Flour." (For Flour.) No. 17,839; July 14; Gaz. vol. 204; p. 673.
- Aunt Jemima Mills Company, St. Joseph, Mo. "Aunt Jemima's Buckwheat Flour." (For Flour.) No. 17,894; Aug. 11; Gaz. vol. 205; p. 660.
- Avalon Knitwear Company, Utica, N. Y. "Setsnug." (For Underwear for Men.) No. 17,717; May 26; Gaz. vol. 202; p. 1257.
- Avalon Knitwear Company, Utica, N. Y. "Setsnug." (For Underwear for Boys.) No. 17,718; May 26; Gaz. vol. 202; p. 1257.
- Avalon Knitwear Company, Utica, N. Y. "Setsnug." (For Underwear for Men.) No. 17,719; May 26; Gaz. vol. 202; p. 1257.
- Avalon Knitwear Company, Utica, N. Y. "Setsnug." (For Underwear for Boys.) No. 17,720; May 26; Gaz. vol. 202; p. 1257.
- Avalon Knitwear Company, Utica, N. Y. "Setsnug." (For Underwear for Girls.) No. 17,721; May 26; Gaz. vol. 202; p. 1257.
- Avalon Knitwear Company, Utica, N. Y. "Setsnug." (For Mesh-Underwear.) No. 17,722; May 26; Gaz. vol. 202; p. 1257.
- Aycock Hosiery Mills, South Pittsburg, Tenn. "Wyre-Knit Hosiery Abolishes Darning." (For Hosiery.) No. 18,110; Nov. 24; Gaz. vol. 208; p. 1354.
- Bachman Chocolate Company, The, Inc., Philadelphia, Pa. "Brown Betty." (For Confectionery.) No. 17,614; Mar. 31; Gaz. vol. 200; p. 1389.
- Baker, J. Harve, Claude, Tex. "Baker's Foot Ease." (For Foot-Ease.) No. 17,521; Feb. 10; Gaz. vol. 199; p. 615.
- Ballford Chemical Company, New York, N. Y. "Youth-ever." (For a Medicinal Preparation.) No. 17,522; Feb. 10; Gaz. vol. 199; p. 615.

Alphabetical list of registrants of labels—Continued.

- Ballford Chemical Company, New York, N. Y. "Stainoff." (For a Medicinal Preparation.) No. 17,523; Feb. 10; Gaz. vol. 199; p. 615.
- Ballford Chemical Company, New York, N. Y. "Cure-all." (For a Medicinal Preparation.) No. 17,524; Feb. 10; Gaz. vol. 199; p. 615.
- Bardwell, John C., St. Louis, Mo. "The Scout Game." (For Game Apparatus.) No. 17,497; Feb. 3; Gaz. vol. 199; p. 305.
- Barker, Moore & Mein Medicine Company, The, Philadelphia, Pa. "Barker's Roup Remedy for Poultry." (For a Remedy for Roup in Poultry.) No. 17,962; Sept. 15; Gaz. vol. 206; p. 875.
- Barker, Moore & Mein Medicine Company, The, Philadelphia, Pa. "Barker's Gape Remedy." (For a Remedy for Gapes in Chickens.) No. 17,963; Sept. 15; Gaz. vol. 206; p. 875.
- Barker, Moore & Mein Medicine Company, The, Philadelphia, Pa. "Barker's Healing Ointment." (For Ointment.) No. 17,964; Sept. 15; Gaz. vol. 206; p. 875.
- Barker, Moore & Mein Medicine Company, The, Philadelphia, Pa. "Barker's Special Poultry Remedy." (For a Remedy for Diseases of Poultry.) No. 17,965; Sept. 15; Gaz. vol. 206; p. 875.
- Barker, Moore & Mein Medicine Company, The, Philadelphia, Pa. "Barker's Vegetable Horse, Cattle and Poultry Medicinal Powder." (For Medicines for Horses, Cattle, and Poultry.) No. 17,966; Sept. 15; Gaz. vol. 206; p. 875.
- Barker, Moore & Mein Medicine Company, The, Philadelphia, Pa. "Barker's Lice Powder." (For a Lice-Powder for Poultry.) No. 17,967; Sept. 15; Gaz. vol. 206; p. 875.
- Barker, Moore & Mein Medicine Company, The, Philadelphia, Pa. "Barker's Nerve and Bone Liniment." (For Liniment.) No. 18,009; Oct. 13; Gaz. vol. 207; p. 607.
- Batchelder & Snyder Company, Boston, Mass. "Smoked with Corncobs." (For Hams and Bacons.) No. 17,450; Jan. 20; Gaz. vol. 198; p. 701.
- Beach, Jerry A., Paterson, N. J. "Nut Confection." (For a Nut Confection.) No. 17,451; Jan. 20; Gaz. vol. 198; p. 701.
- Bearns Jr. & Co., Joseph H., New York, N. Y. "American Glycerine Substitute Compound." (For American Glycerine-Substitute Compound.) No. 17,498; Feb. 3; Gaz. vol. 199; p. 305.
- Beinlich, Paul, New York, N. Y. "Beinlich's Extra German Style Senf." (For Mustard.) No. 17,525; Feb. 10; Gaz. vol. 199; p. 615.
- Benedict & Son, E. L., Cleveland, Ohio. "Creamery Butter." (For Butter.) No. 17,771; June 16; Gaz. vol. 203; p. 927.
- Bennison, Charles E., Boston, Mass. "Bennison's Electro-Silver Cleaner." (For a Silver-Cleaner.) No. 17,499; Feb. 3; Gaz. vol. 199; p. 305.
- Bergonzi & Co., L., New York, N. Y. "Anise Alcoholate." (For Anise Alcoholate.) No. 17,934; Sept. 1; Gaz. vol. 206; p. 311.
- Bernhard Brothers, Dayton, Ohio. "Cabin." (For Coffee.) No. 17,755; June 2; Gaz. vol. 203; p. 303.
- Bernhard Brothers, Dayton, Ohio. "Branch." (For Coffee.) No. 17,756; June 2; Gaz. vol. 203; p. 303.
- Berninger & Henry, Allentown, Pa. "B & H." (For Cigars.) No. 17,902; Aug. 13; Gaz. vol. 205; p. 1019.
- Binghamton Soap Works, Binghamton, N. Y. "Sunshine Cleanser." (For a Cleanser.) No. 17,772; June 16; Gaz. vol. 203; p. 927.
- Blaisdell, R. W., Milwaukee, Wis. "Diamond Liniment." (For a Liniment.) No. 17,880; Aug. 4; Gaz. vol. 205; p. 303.
- Blue Ridge Spring Water Co., Bangor, Pa. "Blue Ridge Aromatic Ginger Ale." (For Ginger-Ale.) No. 18,049; Nov. 3; Gaz. vol. 208; p. 336.
- Blum, Lottie C., New York, N. Y. "Carmen." (For a Shampoo Tonic.) No. 17,615; Mar. 31; Gaz. vol. 200; p. 1389.
- Boggs, Charles O., San Francisco, Cal. "Malted Milk Bread." (For Bread.) No. 17,757; June 2; Gaz. vol. 203; p. 303.
- Bolgiano & Son, J., Baltimore, Md. "Bolgiano's 'Square Deal.'" (For Poultry Food.) No. 17,864; July 28; Gaz. vol. 204; p. 1343.
- Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y. "Standard Brand." (For Condensed Milk.) No. 18,051; Nov. 3; Gaz. vol. 208; p. 336.
- Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y. "Peninsular Brand." (For Condensed Milk.) No. 18,052; Nov. 3; Gaz. vol. 208; p. 336.
- Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y. "Magnolia Brand." (For Condensed Milk.) No. 18,053; Nov. 3; Gaz. vol. 208; p. 336.
- Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y. "Darling Brand." (For Condensed Milk.) No. 18,054; Nov. 3; Gaz. vol. 208; p. 336.
- Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y. "Star Brand." (For Condensed Milk.) No. 18,055; Nov. 3; Gaz. vol. 208; p. 336.
- Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y. "Star Brand." (For Condensed Milk.) No. 18,145; Dec. 15; Gaz. vol. 209; p. 1051.
- Boucher & Sons, William, Baltimore, Md. "Fascinator." (For Cigars.) No. 18,056; Nov. 3; Gaz. vol. 208; p. 336.
- Bradford & Meadows, Columbus, Ga. "Bradford's R. C. C. For Chills and Fever." (For Medicine.) No. 17,935; Sept. 1; Gaz. vol. 206; p. 311.
- Bright Star Battery Co., New York, N. Y. "Mars-Tun." (For Dry Batteries.) No. 17,453; Jan. 20; Gaz. vol. 198; p. 701.
- Brooke Bond and Co. Ltd. of America, Chicago, Ill. "Brooke Bond Tea." (For Tea.) No. 17,454; Jan. 20; Gaz. vol. 198; p. 701.
- Brooke & Son, C. M., New York, N. Y. "Brookes Demitah." (For a Liquid Preparation of Coffee.) No. 17,773; June 16; Gaz. vol. 203; p. 927.
- Brown, Edwin, New York, N. Y. "Perfection." (For Stamping-Paste.) No. 18,010; Oct. 13; Gaz. vol. 207; p. 607.
- Brubaker, E. E., Carroll, Iowa. "Cream Nut." (For Bread.) No. 17,881; Aug. 4; Gaz. vol. 205; p. 303.
- Bryant, J. C., Memphis, Tenn. "Bryant's The Best Cleaner and Polisher." (For Furniture-Polish.) No. 17,723; May 26; Gaz. vol. 202; p. 1257.
- Bunte Brothers, Chicago, Ill. "Hazelnut Kisses." (For Candy and Confections.) No. 17,865; July 28; Gaz. vol. 204; p. 1343.
- Burch, Geo. E., Medina, N. Y. "Ga-Lo." (For Cigars.) No. 17,866; July 28; Gaz. vol. 204; p. 1343.
- Burnet & Temple Ltd., Messrs., London, England. "Slippon." (For Hair-Nets.) No. 18,011; Oct. 13; Gaz. vol. 207; p. 607.
- C. F. Bonsor & Co., Inc., Philadelphia, Pa. "Samore." (For Tea.) No. 18,050; Nov. 3; Gaz. vol. 208; p. 336.
- California Central Creameries, San Francisco, Cal. "Golden State Cheese." (For Cheese.) No. 17,724; May 26; Gaz. vol. 202; p. 1257.
- California Central Creameries, San Francisco, Cal. "Powdered Skim Milk." (For Powdered Skim-Milk.) No. 17,936; Sept. 1; Gaz. vol. 206; p. 311.
- California Central Creameries, San Francisco, Cal. "Seal Shell Eggs." (For Eggs.) No. 18,057; Nov. 3; Gaz. vol. 208; p. 336.
- Campbell & Sons, George C., Hallstead, Pa. "Campbell's Liquid Stove Polish." (For Stove-Polish.) No. 17,681; May 12; Gaz. vol. 202; p. 630.
- Canton Biscuit Co., The, Canton, Ohio. "I've Gota Biscuit." (For Crackers and Biscuit.) No. 17,937; Sept. 1; Gaz. vol. 206; p. 311.
- Capasso, Alexander, New Haven, Conn. "Building-Italy." (For Cigars.) No. 17,568; Feb. 24; Gaz. vol. 199; p. 1242.
- Capitol Refining Company Inc., The, South Washington, Va. "White Dome." (For Shortening.) No. 17,938; Sept. 1; Gaz. vol. 206; p. 311.
- Capitol Refining Company Inc., The, South Washington, Va. "Crisp White." (For Shortening.) No. 17,939; Sept. 1; Gaz. vol. 206; p. 311.
- Cassidy, Paul, Cincinnati, Ohio. "Morning Glory." (For a Lotion for the Skin.) No. 17,481; Jan. 27; Gaz. vol. 198; p. 896.
- Casto Co., The, New York, N. Y. "Casto." (For a Cathartic.) No. 17,758; June 2; Gaz. vol. 203; p. 303.
- Caveneget, Victor F., Newark, N. J. "Mother's Hair Tonic." (For Hair-Tonic.) No. 18,012; Oct. 13; Gaz. vol. 207; p. 607.
- Centennial Mill Company, Seattle, Wash. "El Pacifico Harina Flor." (For Flour.) No. 17,455; Jan. 20; Gaz. vol. 198; p. 701.
- Channell Chemical Company, Chicago, Ill. "To Get the Best Results Use O-Cedar Polish The O-Cedar Polish Way." (For O-Cedar Polish.) No. 17,664; Apr. 28; Gaz. vol. 201; p. 1218.
- Channell Chemical Company, Chicago, Ill. "O-Cedar Polish Mop." (For O-Cedar Polish-Mops.) No. 17,801; June 23; Gaz. vol. 203; p. 1259.
- Channell Chemical Company, Chicago, Ill. "O-Cedar Mop." (For Mops.) No. 17,903; Aug. 18; Gaz. vol. 205; p. 1019.
- "Chase-Em" Ant and Roach Powder Co., The, Covington, Ky. "Chase-Em." (For Insect-Powder.) No. 17,665; Apr. 28; Gaz. vol. 201; p. 1218.
- Chauvain & Cie., M., Certe, France. "Vermouth M. Chauvain & Cie." (For Vermuth.) No. 17,867; July 28; Gaz. vol. 204; p. 1343.
- Chodat Company, L., Decatur, Ill. "Louis' Double Wrapped 5¢ Cigar." (For Cigars.) No. 17,817; July 7; Gaz. vol. 204; p. 317.
- Cimorosi, Alberto, Glassboro, N. J. "Cimorosi Brand Grand Silver Sizzle." (For Pyrotechnic Novelties.) No. 17,818; July 7; Gaz. vol. 204; p. 317.
- Claire Manufacturing Company, Chicago, Ill. "Jinx." (For a Cleanser.) No. 18,058; Nov. 3; Gaz. vol. 208; p. 336.
- Clark, Calvin T., Roanoke, Va. "Clark's New Discovery Remedies." (For Medicines.) No. 17,682; May 12; Gaz. vol. 202; p. 630.
- Clark, Joseph G., Chicago, Ill. "Lincoln Auto Oil." (For Auto-Oil.) No. 17,802; June 23; Gaz. vol. 203; p. 1259.
- Cleveland Wire Spring Co., The, Cleveland, Ohio. "Real Restful Rest." (For Bed-Springs.) No. 17,840; July 14; Gaz. vol. 204; p. 673.

Alphabetical list of registrants of labels—Continued.

- Cohl, S., San Francisco, Cal. "Solaradio Metal Polish and Window Cleanser." (For Metal-Polish.) No. 17,528; Feb. 10; Gaz. vol. 199; p. 615.
- Collier, Adolph H., New York, N. Y. "A. H. Collier Lilien Gesichtsalbe." (For Face-Pomade.) No. 17,904; Aug. 18; Gaz. vol. 205; p. 1019.
- Columbia Canning Co., Columbia, Tenn. "Winners." (For Canned Tomatoes.) No. 17,683; May 12; Gaz. vol. 202; p. 630.
- Condit, Harry H., Indianapolis, Ind. "O-R-I-E Vest." (For Ladies' Undervests.) No. 17,529; Feb. 10; Gaz. vol. 199; p. 615.
- Consumers' Company, Chicago, Ill. "Hydrox Brand." (For Water.) No. 17,774; June 16; Gaz. vol. 203; p. 927.
- Cook, Frank C., Denver, Colo. "Cook's Anti-Slip Tango Wax." (For Prepared Wax for Polishing Floors.) No. 17,725; May 26; Gaz. vol. 202; p. 1257.
- Cook, Frank C., Denver, Colo. "Cook's Dance Floor Wax." (For Prepared Wax for Polishing Floors.) No. 17,726; May 26; Gaz. vol. 202; p. 1257.
- Cordial Panna Company, The, Cleveland, Ohio. "Vermouth." (For Vermouth.) No. 17,569; Feb. 24; Gaz. vol. 199; p. 1242.
- Creme De Menthe Gum Co., Manitowoc, Wis. "Creme De Menthe." (For Pepsin Gum.) No. 17,841; July 14; Gaz. vol. 204; p. 673.
- Crescent Bread Company, Utica, N. Y. "Just Rite." (For Bread.) No. 17,602; Mar. 24; Gaz. vol. 200; p. 1113.
- Cribble, Oscar V., Dennison, Ohio. "Kleno." (For Beer-Coil-Cleaning Compound.) No. 17,803; June 23; Gaz. vol. 203; p. 1259.
- Crinklet Towel Co., San Francisco, Cal. "Crinklet Washless Towels." (For Paper Towels.) No. 18,097; Nov. 10; Gaz. vol. 208; p. 654.
- Cronan, John J., Denver, Colo. "Sweet Pepsin Salts." (For Sweet Pepsin Salts.) No. 17,968; Sept. 15; Gaz. vol. 206; p. 875.
- Crowley, Harry R., Philadelphia, Pa. "Tea Bush To Tea Pot." (For Tea.) No. 17,804; June 23; Gaz. vol. 203; p. 1259.
- Crusellas Hno y. Cia., Habana, Cuba. "Cuban Ox Gall." (For Soap.) No. 17,640; Apr. 7; Gaz. vol. 201; p. 266.
- Cryder, Floyd E., Minneapolis, Minn. "Homogenized Laurentia Milk." (For Homogenized Milk.) No. 17,969; Sept. 15; Gaz. vol. 206; p. 875.
- Cudahy Packing Co., The, Chicago, Ill. "Rex." (For Pork and Beans.) No. 17,940; Sept. 1; Gaz. vol. 206; p. 311.
- Cusanek & Sons, E., Camden, N. J. "Genuine Carparter Whiskey." (For Whisky.) No. 17,500; Feb. 3; Gaz. vol. 199; p. 305.
- Cusanek & Sons, E., Camden, N. J. "Cusanek's Borovetska." (For Whisky.) No. 18,059; Nov. 3; Gaz. vol. 208; p. 336.
- D'Aubigny, Louis, San Francisco, Cal. "Maltese Bread." (For Bread.) No. 18,060; Nov. 3; Gaz. vol. 208; p. 336.
- D'Emo, Basile, Chicago, Ill. "Dame Nature." (For Cosmetics.) No. 18,114; Nov. 24; Gaz. vol. 208; p. 1354.
- D'urso & Co., Mario, Philadelphia, Pa. "Italian Union Cigar." (For Cigars.) No. 17,590; Mar. 3; Gaz. vol. 200; p. 278.
- Davidson Fruit Co., Hood River, Oreg. "Hood River Apples." (For Apples.) No. 18,111; Nov. 24; Gaz. vol. 208; p. 1354.
- Davidson Fruit Co., Hood River, Oreg. "Spitzenbergs." (For Apples.) No. 18,112; Nov. 24; Gaz. vol. 208; p. 1354.
- Davidson Fruit Co., Hood River, Oreg. "Newtown Pippins." (For Apples.) No. 18,113; Nov. 24; Gaz. vol. 208; p. 1354.
- Dávila, Hijos de R. Jimenez, Port St. Marys, Spain. "Ojen Dávila." (For a Cordial.) No. 18,003; Oct. 6; Gaz. vol. 207; p. 297.
- Davis, Emerson, Concord, N. H. "Swheatmeal." (For Cereals.) No. 18,098; Nov. 10; Gaz. vol. 208; p. 654.
- Davis Hosiery Mills, Chattanooga, Tenn. "5-20-7." (For Hosiery.) No. 17,941; Sept. 1; Gaz. vol. 206; p. 311.
- De Joigny Shaving Mist Co., San Francisco, Cal. "De Joigny Shaving Mist." (For a Shaving Mixture.) No. 17,992; Sept. 22; Gaz. vol. 206; p. 1160.
- De Martini Macaroni Co., Inc., Brooklyn, N. Y. "De Martini Brand Genova Style." (For Macaroni.) No. 17,842; July 14; Gaz. vol. 204; p. 673.
- De Martini Macaroni Co., Inc., Brooklyn, N. Y. "Macaroni Gragnano Style." (For Macaroni.) No. 17,843; July 14; Gaz. vol. 204; p. 673.
- De Martini, Paul, Brooklyn, N. Y. "Thalia." (For Macaroni.) No. 17,501; Feb. 3; Gaz. vol. 199; p. 305.
- Dealers Baking Co., Louisville, Ky. "Tis Rite." (For Bread.) No. 17,530; Feb. 10; Gaz. vol. 199; p. 615.
- Defender Manufacturing Co., New York, N. Y. "Irish Embroidered Style." (For Sheets, Pillow-Cases, Towels, Handkerchiefs, and Similar Articles Made of Linen, Cotton, and other Textile Materials Having Embroidery Thereon.) No. 17,759; June 2; Gaz. vol. 203; p. 303.
- Deforth Bros., New York, N. Y. "Useful and Just." (For Provisions.) No. 18,013; Oct. 13; Gaz. vol. 207; p. 607.
- Denio Milling Company, J. W., Sheridan, Wyo. "Wheatbest." (For Flour.) No. 17,684; May 12; Gaz. vol. 202; p. 630.
- Depue, William A., Lansing, Mich. "Red Ribbon." (For Cigars.) No. 18,115; Nov. 24; Gaz. vol. 208; p. 1354.
- Dietetic Food Company, The, Baltimore, Md. "Krispy-stick." (For Bread and Bread Sticks.) No. 17,502; Feb. 3; Gaz. vol. 199; p. 305.
- Dietetic Food Company, The, Baltimore, Md. "Dietetic Bran Biscuit." (For Bran Biscuit and Crackers.) No. 17,503; Feb. 3; Gaz. vol. 199; p. 305.
- Dillehay Bros., New Decatur, Ala. "Quit-Tobac." (For Quit-Tobac.) No. 17,882; Aug. 4; Gaz. vol. 205; p. 303.
- Doerr, Chas., Jr., St. Louis, Mo. "I-Need-A." (For Cigars.) No. 17,970; Sept. 15; Gaz. vol. 206; p. 875.
- Dubuque Brewing & Malting Co., Dubuque, Iowa. "Rexpport." (For Beer.) No. 17,666; Apr. 28; Gaz. vol. 201; p. 1218.
- Duffy Malt Extract Company, New York, N. Y. "Duffy's Malt." (For Extract of Malt and Hops.) No. 18,116; Nov. 24; Gaz. vol. 208; p. 1354.
- Dusol, I., Los Angeles, Cal. "Champanola." (For a Beverage.) No. 18,014; Oct. 13; Gaz. vol. 207; p. 607.
- E. Greenfield's Sons, New York, N. Y. "E. Greenfield's Sons, Established 1848, Confectioners." (For Candies.) No. 17,993; Sept. 22; Gaz. vol. 206; p. 1160.
- Ebling Brewing Company, The, New York, N. Y. "Ebling's Extract of Malt & Hops A Life Preserver." (For Extract of Malt and Hops.) No. 17,819; July 7; Gaz. vol. 204; p. 317.
- Ec-Zene Company, St. Paul, Minn. "Ec-Zene Skin Soap, Best for the Nursery, Toilet and Bath." (For Soap.) No. 17,971; Sept. 15; Gaz. vol. 206; p. 875.
- Eichbaum, Charles, Port Jervis, N. Y. "Chas. Eichbaum's Minisink Club Frozen Ginger Ale." (For Ginger-Ale.) No. 17,883; Aug. 4; Gaz. vol. 205; p. 303.
- Eichler, Henry, Cincinnati, Ohio. "Hy-Gloss." (For a Polish for Furniture.) No. 17,727; May 26; Gaz. vol. 202; p. 1257.
- Eisemann, Phil, Lancaster, Pa. "Eisemann's Klondike Head Rub Grain Alcohol 50 Per Cent. Most Delightful; Cooling and Invigorating. Allays Itching of the Scalp and relieves Headaches." (For Head-Rub.) No. 17,905; Aug. 18; Gaz. vol. 205; p. 1019.
- Ekko Extract Company, Chicago, Ill. "Ekko." (For a Mild Tonic Beverage.) No. 17,456; Jan. 20; Gaz. vol. 198; p. 701.
- Eldridge Co., Geo. R., Detroit, Mich. "Golden Rod." (For Butter.) No. 17,972; Sept. 15; Gaz. vol. 206; p. 875.
- Eldridge Company, Geo. R., Detroit, Mich. "Sunbonnet Brand." (For Oleomargarin.) No. 17,617; Mar. 31; Gaz. vol. 200; p. 1389.
- Emmer Products Company, Worland, Wyo. "Emmer Breakfast Food." (For Breakfast Food.) No. 18,015; Oct. 13; Gaz. vol. 207; p. 607.
- Emmer Products Company, Worland, Wyo. "Improved Emmer Food." (For Emmer Food.) No. 18,016; Oct. 13; Gaz. vol. 207; p. 607.
- Emmer Products Company, Worland, Wyo. "Emmer Stock and Poultry Food." (For Stock and Poultry Food.) No. 18,017; Oct. 13; Gaz. vol. 207; p. 607.
- Empire Mattress Company, Chicago, Ill. "The Empire." (For Mattresses.) No. 17,618; Mar. 31; Gaz. vol. 200; p. 1389.
- Empire Mills Company, Columbus, Ga. "Old Sol." (For Self-Rising Flour.) No. 17,647; Apr. 14; Gaz. vol. 201; p. 568.
- Enumclaw Milk & Cream Co., Enumclaw, Wash. "Blue Ribbon Brand." (For Evaporated Milk.) No. 18,061; Nov. 3; Gaz. vol. 208; p. 336.
- Estes, Llewellyn W., Washington, D. C. "One Minute Silver Cleaner." (For a Cleaning and Polishing Compound.) No. 17,974; Sept. 15; Gaz. vol. 206; p. 875.
- Excelsior Baking Company, Minneapolis, Minn. "Butter-Krust Toast." (For Toast.) No. 17,728; May 26; Gaz. vol. 202; p. 1257.
- F. H. Bennett Biscuit Company, New York, N. Y. "Wheatworth." (For Whole-Wheat Biscuit.) No. 17,680; May 12; Gaz. vol. 202; p. 630.
- F. P. Lewis Cigar Co., Peoria, Ill. "Lewis-Ideal." (For Cigars.) No. 17,920; Aug. 18; Gaz. vol. 205; p. 1019.
- Fahey Tobacco Company, M. B., Chester, Pa. "Fahey's Special." (For Cigars.) No. 17,685; May 12; Gaz. vol. 202; p. 630.
- Fairmont Creamery Company, The, Omaha, Nebr. "Better Butter." (For Butter.) No. 17,482; Jan. 27; Gaz. vol. 198; p. 896.
- Fairview Land Company, Cocoa, Fla. "Our Chief Brand." (For Oranges.) No. 17,619; Mar. 31; Gaz. vol. 200; p. 1389.
- Falk Tobacco Co., New York, N. Y., and Richmond, Va. "Smoking Mixture." (For Smoking-Tobacco.) No. 17,504; Feb. 3; Gaz. vol. 199; p. 305.
- Falk Tobacco Co., New York, N. Y., and Richmond, Va. "Cigarettes." (For Cigarettes.) No. 17,505; Feb. 3; Gaz. vol. 199; p. 305.
- Falk Tobacco Co., New York, N. Y. "Vintage Blend." (For Tobacco.) No. 17,648; Apr. 14; Gaz. vol. 201; p. 568.
- Farley, Timothy C., North Adams, Mass. "Ruby Lax." (For a Pleasant Laxative.) No. 17,457; Jan. 20; Gaz. vol. 198; p. 701.

Alphabetical list of registrants of labels—Continued.

- Ferbstein, Herman, Akron, Ohio. "Akron Panetelas." (For Cigars.) No. 18,118; Nov. 24; Gaz. vol. 208; p. 1354.
- Ferris, William S. (See Leith and Ferris.)
- Fialla & Eppler, Inc., New York, N. Y. "3 in 1." (For Blackberry Ginger and Brandy.) No. 17,973; Sept. 15; Gaz. vol. 206; p. 875.
- Filippone, Charles, Philadelphia, Pa. "Roman P. W. Cleanser." (For a Cleanser for White Shoes.) No. 17,603; Mar. 24; Gaz. vol. 200; p. 1113.
- Finch & Co., Jos. S., Pittsburgh, Pa. "Fifty Years Ago, When Golden Wedding Whiskey Was Young." (For Whisky.) No. 17,595; Mar. 10; Gaz. vol. 200; p. 580.
- Finch & Co., Jos. S., Pittsburgh, Pa. "Golden Wedding Pure Rye Whiskey." (For Whisky.) No. 17,596; Mar. 10; Gaz. vol. 200; p. 580.
- Finch & Co., Jos. S., Pittsburgh, Pa. "Bottled In Bond Golden Wedding Whiskey." (For Whisky.) No. 17,775; June 16; Gaz. vol. 203; p. 927.
- Fitzpatrick Brothers, Chicago, Ill. "Kitchen Cleaner." (For a Cleaning Compound.) No. 18,018; Oct. 13; Gaz. vol. 207; p. 607.
- Flanagan, Mary A., Columbia, Pa. "Chiques Rock." (For Carbonated Beverages.) No. 17,604; Mar. 24; Gaz. vol. 200; p. 1113.
- Flank, Bernard, Philadelphia, Pa. "Liquid Gloss." (For Furniture-Polish.) No. 17,686; May 12; Gaz. vol. 202; p. 630.
- Florida Brewing Co., The, Tampa, Fla. "Nelson's Special." (For Whisky.) No. 17,807; June 23; Gaz. vol. 203; p. 1259.
- Folkers, Christian H., Chicago, Ill. "Kraft Cleanser." (For a Cleaning-Powder.) No. 17,844; July 14; Gaz. vol. 204; p. 673.
- Fort Worth Macaroni Co., Fort Worth, Tex. "Our Best." (For Macaroni.) No. 17,820; July 7; Gaz. vol. 204; p. 317.
- Fort Worth Macaroni Co., Fort Worth, Tex. "Comet." (For Spaghetti.) No. 17,821; July 7; Gaz. vol. 204; p. 317.
- Fort Worth Macaroni Co., Fort Worth, Tex. "Q and Q." (For Macaroni.) No. 17,845; July 14; Gaz. vol. 204; p. 673.
- Fox & Co., M. Ewing, New York, N. Y. "Muralite." (For Calcimine.) No. 17,776; June 16; Gaz. vol. 203; p. 927.
- Frank H. Fleer Corporation, Philadelphia, Pa. "Bobs." (For Candy-Coated Chewing-Gum.) No. 17,907; Aug. 18; Gaz. vol. 205; p. 1019.
- Frank H. Fleer Corporation, Philadelphia, Pa. "Spring-Root." (For Candy-Coated Chewing-Gum.) No. 17,908; Aug. 18; Gaz. vol. 205; p. 1019.
- Frank H. Fleer Corporation, Philadelphia, Pa. "Spring-Root." (For Chewing-Gum.) No. 18,019; Oct. 13; Gaz. vol. 207; p. 607.
- Franklin & Co., H. B., Chicago, Ill. "Chicago Subway." (For Cigars.) No. 18,020; Oct. 13; Gaz. vol. 207; p. 607.
- Frederick & Nelson, Seattle, Wash. "Frederick & Nelson Dreadnaught School Suit." (For Clothing.) No. 18,099; Nov. 10; Gaz. vol. 208; p. 654.
- G. Mennen Chemical Company, Newark, N. J. "Mennen's Tar Shampooing Cream." (For Tar Shampooing-Cream.) No. 17,625; Mar. 31; Gaz. vol. 200; p. 1389.
- G. Mennen Chemical Company, Newark, N. J. "Mennen's Shaving Cream." (For Shaving-Cream.) No. 17,623; Mar. 31; Gaz. vol. 200; p. 1389.
- G. Mennen Chemical Company, Newark, N. J. "Mennen's Cream Dentifrice." (For Cream Dentifrice.) No. 17,627; Mar. 31; Gaz. vol. 200; p. 1389.
- G. Mennen Chemical Company, Newark, N. J. "Mennen's Perfumed Bath Powder." (For Bath-Powder.) No. 17,628; Mar. 31; Gaz. vol. 200; p. 1389.
- G. Mennen Chemical Company, Newark, N. J. "Mennen's Cream Dentifrice." (For a Cream Dentifrice.) No. 17,826; July 7; Gaz. vol. 204; p. 317.
- G. Mennen Chemical Company, Newark, N. J. "Mennen's Shaving Cream." (For Shaving-Cream.) No. 17,827; July 7; Gaz. vol. 204; p. 317.
- Gander, John H., Evansville, Ind. "Gander's Indian Healing Salve." (For Salve.) No. 17,458; Jan. 20; Gaz. vol. 198; p. 701.
- Gangemi & Co., R., New York, N. Y. "Lucella Habana Cigars." (For Cigars.) No. 18,021; Oct. 13; Gaz. vol. 207; p. 607.
- Gardner Wire Company, Chicago, Ill. "Holdfast." (For Weather-Strips for Doors and Windows.) No. 17,688; May 12; Gaz. vol. 202; p. 630.
- Gate City Cigar Co., Rapid City, S. D. "Cyclo." (For Cigars.) No. 17,730; May 26; Gaz. vol. 202; p. 1257.
- Gedney, Stanley L., New York, N. Y. "Peace." (For Games.) No. 18,119; Nov. 24; Gaz. vol. 208; p. 1354.
- Gelpi & Sons, Paul, New Orleans, La. "J. Reyes y Cia." (For Sherry-Wine.) No. 17,976; Sept. 15; Gaz. vol. 206; p. 875.
- Gelpi & Sons, Paul, New Orleans, La. "Berwick Brand Dry Gin." (For Gin.) No. 17,977; Sept. 15; Gaz. vol. 206; p. 875.
- Gelpi & Sons, Paul, New Orleans, La. "J. Reyes y Ca." (For Jerez Wine.) No. 17,978; Sept. 15; Gaz. vol. 206; p. 875.
- Genesee Lumber Company, Genesee and Loranger, La. "Strawberries Product of Loranger Upland Farms Loranger P. O., La." (For Strawberries.) No. 17,507; Feb. 3; Gaz. vol. 199; p. 305.
- Genesee Lumber Company, Genesee and Loranger, La. "Orange Tree Brand Fresh Vegetables Product of Loranger Upland Farms Loranger P. O., La." (For Fresh Vegetables.) No. 17,620; Mar. 31; Gaz. vol. 200; p. 1389.
- Geo. E. Hatfield Co., New York, N. Y. "Hatfield's Stay-tite Roofing." (For Roofing.) No. 17,692; May 12; Gaz. vol. 202; p. 630.
- George Frost Company, Boston, Mass. "Pad Boston Garter Velvet Grip." (For Garters.) No. 17,506; Feb. 3; Gaz. vol. 199; p. 305.
- George Frost Company, Boston, Mass. "Boston Garter Velvet Grip." (For Men's Garters.) No. 17,687; May 12; Gaz. vol. 202; p. 630.
- German-American Coffee Company, Omaha, Nebr. "Sweet-heart Brand." (For Coffee.) No. 17,649; Apr. 14; Gaz. vol. 201; p. 568.
- Ghiselin, Horace, St. Louis, Mo. "House Beautiful Varnish." (For Varnish.) No. 18,062; Nov. 3; Gaz. vol. 208; p. 336.
- Giglio, Angelo, New York, N. Y. "Hygienic Tango Powder Puff." (For Toilet-Boxes.) No. 17,942; Sept. 1; Gaz. vol. 206; p. 311.
- Gladding, Nathan B., Cleveland, Ohio. "Dr. Wells Galvanic Salve Co." (For Salve.) No. 17,822; July 7; Gaz. vol. 204; p. 317.
- Glienke, W. C., Buffalo, N. Y. "The Yale Brass and Metal Polish." (For Brass and Metal Polish.) No. 17,650; Apr. 14; Gaz. vol. 201; p. 568.
- Globe Canning Company, The, Eastport, Me. "Otto Brand." (For Sardines.) No. 17,943; Sept. 1; Gaz. vol. 206; p. 311.
- Globe Canning Company, The, Eastport, Me. "Nomad Brand." (For Sardines.) No. 17,944; Sept. 1; Gaz. vol. 206; p. 311.
- Globe Canning Company, The, Eastport, Me. "Glanko Brand." (For Sardines.) No. 17,945; Sept. 1; Gaz. vol. 206; p. 311.
- Globe Canning Company, The, Eastport, Me. "Jensen Brand." (For Sardines.) No. 17,946; Sept. 1; Gaz. vol. 206; p. 311.
- Globe Canning Company, The, Eastport, Me. "Manchinic Brand." (For Sardines.) No. 17,947; Sept. 1; Gaz. vol. 206; p. 311.
- Goetz, Herman F., St. Louis, Mo. "Pain Allay." (For a Balm or Ointment.) No. 18,120; Nov. 24; Gaz. vol. 208; p. 1354.
- Golais, Catherine, New York, N. Y. "Madame Golais Sanitary Adjustable Petticoat." (For Petticoats.) No. 17,846; July 14; Gaz. vol. 204; p. 673.
- Golden Gate Packing Co., San Jose, Cal. "Butterfly Brand." (For Yellow Cling-Peaches.) No. 17,689; May 12; Gaz. vol. 202; p. 630.
- Golden Gate Packing Co., San Jose, Cal. "Golden Gate." (For Peaches.) No. 17,690; May 12; Gaz. vol. 202; p. 630.
- Goldschmitt, Chas., Chicago, Ill. "18 Karat Floor Varnish." (For Varnish.) No. 17,909; Aug. 18; Gaz. vol. 205; p. 1019.
- Gompers, Saml., New York, N. Y. "Gompers." (For Cigars.) No. 17,777; June 16; Gaz. vol. 203; p. 927.
- Goodsell, Byron W., Chicago, Ill. "Polar Ammonia Coil Packing." (For Packing.) No. 17,554; Feb. 17; Gaz. vol. 199; p. 937.
- Gordon, William, Philadelphia, Pa., and Atlantic City, N. J. "Fancy Print Butter." (For Butter.) No. 17,895; Aug. 11; Gaz. vol. 205; p. 660.
- Gould, Madison J., Watertown, N. Y. "Ralgine." (For Relief of Neuralgia.) No. 18,121; Nov. 24; Gaz. vol. 208; p. 1354.
- Gray and Krause, Incorporated, Philadelphia, Pa. "Sure-tred." (For Shoes.) No. 17,570; Feb. 24; Gaz. vol. 199; p. 1242.
- Gray Lithograph Company, The, assignor to C. Young, New York, N. Y. "Nazimova Walnut Tone Hair Preparations." (For Hair Preparations.) No. 17,760; June 2; Gaz. vol. 203; p. 303.
- Greenbaum Bros., Louisville, Ky. "Vigor-Lix The Drink for Tired People." (For a Tonic Beverage.) No. 17,483; Jan. 27; Gaz. vol. 198; p. 896.
- Greene, Henry C., Newbury, Mass. "Turnpike Brand." (For Farm Products.) No. 18,100; Nov. 10; Gaz. vol. 208; p. 654.
- Greenspring Water Company, The, Cleveland, Ohio. "Greenspring Mineral Water." (For Mineral Water.) No. 17,621; Mar. 31; Gaz. vol. 200; p. 1389.
- Gregg Hardware Co., Detroit, Mich. "Waterproof Cadillac Rubber Roofing." (For Roofing.) No. 18,063; Nov. 3; Gaz. vol. 208; p. 336.
- Grimm, Frederick E., Utica, N. Y. "Napoleon Brand Salad Oil." (For Salad-Oil.) No. 17,605; Mar. 24; Gaz. vol. 200; p. 1113.
- Grunbaum, Adolf, New York, N. Y. "Slivovitz." (For Hungarian Plum Brandy.) No. 17,761; June 2; Gaz. vol. 203; p. 303.

Alphabetical list of registrants of labels—Continued.

- Gutsch Brewing Co., Sheboygan, Wis. "Hofmunter." (For Beer.) No. 17,910; Aug. 18; Gaz. vol. 205; p. 1019.
- Gutsch Brewing Co., Sheboygan, Wis. "Red Lion." (For Beer.) No. 17,911; Aug. 18; Gaz. vol. 205; p. 1019.
- H. Schaerges & Co., Cincinnati, Ohio. "Heuristic Stomach Tonic." (For a Stomach-Tonic.) No. 17,478; Jan. 20; Gaz. vol. 198; p. 701.
- H. C. Prange Co., Sheboygan, Wis. "Jersey Silver-Edge Creamery Butter." (For Butter.) No. 18,133; Nov. 24; Gaz. vol. 208; p. 1354.
- H. J. McGrath Company, Baltimore, Md. "C-Food." (For Canned Oysters.) No. 17,696; May 12; Gaz. vol. 202; p. 630.
- H. W. Johns-Manville Co., New York, N. Y. "J-M Tuftex Roofing." (For Composite Roofing.) No. 18,101; Nov. 10; Gaz. vol. 208; p. 654.
- H. W. Johns-Manville Co., New York, N. Y. "Carter Carburetor." (For Carbureters.) No. 18,124; Nov. 24; Gaz. vol. 208; p. 1354.
- Haan, R. M., New York, N. Y. "Teplitz Water." (For Table-Water.) No. 17,531; Feb. 10; Gaz. vol. 199; p. 615.
- Hair-A-Gain Company, Portland, Oreg. "Hair-A-Gain." (For a Scalp and Hair Food.) No. 17,884; Aug. 4; Gaz. vol. 205; p. 303.
- Hall, Theodore F., Jr., Trenton, N. J. "Netto." (For a Cleaning Solution.) No. 18,146; Dec. 15; Gaz. vol. 209; p. 1051.
- Hanline Bros., Baltimore, Md. "'The Original' Ideal Package." (For Paints.) No. 17,532; Feb. 10; Gaz. vol. 199; p. 615.
- Hanson, E. J. Fred., Chambersburg, Pa. "Home Sweet Home Bread." (For Bread.) No. 18,147; Dec. 15; Gaz. vol. 209; p. 1051.
- Hanson, E. J. Fred., Chambersburg, Pa. "Lovey Dovey Bread." (For Bread.) No. 18,148; Dec. 15; Gaz. vol. 209; p. 1051.
- Hanson, E. J. Fred., Chambersburg, Pa. "Digestive Bread." (For Bread.) No. 18,149; Dec. 15; Gaz. vol. 209; p. 1051.
- Harris, Woodson Co., Inc., Lynchburg, Va. "Melco." (For Confections.) No. 17,896; Aug. 11; Gaz. vol. 205; p. 660.
- Hart Company, T. H., Philadelphia, Pa. "La Paloma." (For Cigars.) No. 17,778; June 16; Gaz. vol. 203; p. 927.
- Hart, Louis M., New York, N. Y. "Cuir Jaune." (For Shoe-Polish.) No. 17,691; May 12; Gaz. vol. 202; p. 630.
- Heaton, D. J., Seneca, Ill. "Checkers." (For Cigars.) No. 18,122; Nov. 24; Gaz. vol. 208; p. 1354.
- Hector Fruit Growers Association, Hector, N. Y. "Sagamore Brand." (For Grapes.) No. 18,154; Dec. 22; Gaz. vol. 209; p. 1315.
- Heller & Long, New York, N. Y. "The Boss." (For Handkerchiefs.) No. 17,484; Jan. 27; Gaz. vol. 198; p. 896.
- Heller & Long, New York, N. Y. "Shillaly." (For Handkerchiefs.) No. 17,533; Feb. 10; Gaz. vol. 199; p. 615.
- Heller & Long, New York, N. Y. "American Boy." (For Handkerchiefs.) No. 17,534; Feb. 10; Gaz. vol. 199; p. 615.
- Henry K. Wampole and Company, Incorporated, Philadelphia, Pa. "Tablets Antiseptic Wilson's." (For a Pharmaceutical Preparation.) No. 17,517; Feb. 3; Gaz. vol. 199; p. 305.
- Henschel & Co., A. C., Chicago, Ill. "Senuela." (For Cigars.) No. 17,555; Feb. 17; Gaz. vol. 199; p. 937.
- Henschel & Co., A. C., Chicago, Ill. "Prof. Ernst Haeckel." (For Cigars.) No. 17,912; Aug. 18; Gaz. vol. 205; p. 1019.
- Henschel & Co., A. C., Chicago, Ill. "Consumer's Bond." (For Cigars.) No. 17,913; Aug. 18; Gaz. vol. 205; p. 1019.
- Henschel & Co., A. C., Chicago, Ill. "Lord Duke." (For Cigars.) No. 17,948; Sept. 1; Gaz. vol. 206; p. 311.
- Henschel & Co., A. C., Chicago, Ill. "Benefit." (For Cigars.) No. 17,949; Sept. 1; Gaz. vol. 206; p. 311.
- Hermes Shoe Polish Company, Chicago, Ill. "Box Calf Combination Dresser and Polish for Box-Calf, Kid & Kangaroo Shoes and all Fine Dry Leather." (For Shoe-Polish.) No. 17,485; Jan. 27; Gaz. vol. 198; p. 896.
- Hermes Shoe Polish Company, Chicago, Ill. "Russet Combination Cleaner and Polish for all Russet & Tan Shoes and Leather Goods." (For Shoe-Polish.) No. 17,486; Jan. 27; Gaz. vol. 198; p. 896.
- Herpicide Co., The, Detroit, Mich. "Newbro's Herpicide." (For Hair-Dressing.) No. 17,459; Jan. 20; Gaz. vol. 198; p. 701.
- Herzberg, Samuel, Chicago, Ill. "Something Fine." (For Cigars.) No. 17,994; Sept. 22; Gaz. vol. 206; p. 1160.
- Hillinger, R. J., Chicago, Ill. "Bullfrog." (For Fishing-Lines.) No. 18,022; Oct. 13; Gaz. vol. 207; p. 607.
- Hiner Manufacturing Company, Los Angeles, Cal. "Curo Foot Stamp." (For Corn, Callus, and Bunion Medicine.) No. 17,762; June 2; Gaz. vol. 203; p. 303.
- Hoechstetter Co., The, Pittsburgh, Pa. "Black Forest Gin." (For Gin.) No. 18,064; Nov. 3; Gaz. vol. 208; p. 336.
- Hoffmann-La Roche Chemical Works, The, New York, N. Y. "Scopolamine Stable 'Roche.'" (For a Medicinal Preparation.) No. 18,123; Nov. 24; Gaz. vol. 208; p. 1354.
- Holton Power Company, Redlands and El Centro, Cal. "Mermaid Brand Pure Artesian Water." (For Artesian Water.) No. 17,885; Aug. 4; Gaz. vol. 205; p. 303.
- Hood Bros., Smithfield, N. C. "Hood's Croup, Cold and Pneumonia Salve." (For Salve.) No. 17,460; Jan. 20; Gaz. vol. 198; p. 701.
- Horlick, Arnold A., Milwaukee, Wis. "Horlicks Malt-Oat Milk." (For Malt-Oat Milk.) No. 18,024; Oct. 13; Gaz. vol. 207; p. 607.
- Horlick, Arnold A., Milwaukee, Wis. "Horlick's Maltoat Biscuit." (For Biscuit.) No. 18,065; Nov. 3; Gaz. vol. 208; p. 336.
- Houchin, Alfred W., Kirkwood, N. J. "De Light of the World." (For Dynamos.) No. 17,979; Sept. 15; Gaz. vol. 206; p. 875.
- Houck & Dieter Co., El Paso, Tex. "Vino Mezcal de Tequila." (For a Remedy for Liver and Kidney Complaints.) No. 18,023; Oct. 13; Gaz. vol. 207; p. 607.
- Howland, Edward A., Springfield, Mass. "Good Samaritan." (For Foot-Balm.) No. 17,847; July 14; Gaz. vol. 204; p. 673.
- Hudson Condensed Milk Co., Inc., New York, N. Y. "United." (For Milk.) No. 18,025; Oct. 13; Gaz. vol. 207; p. 607.
- Hustisford Canning Co., Hustisford, Wis. "Dodge County." (For Canned Peas.) No. 17,651; Apr. 14; Gaz. vol. 201; p. 568.
- Hustisford Canning Co., Hustisford, Wis. "Herkimer." (For Canned Peas.) No. 17,652; Apr. 14; Gaz. vol. 201; p. 568.
- Hygienic Products Co., The, Canton, Ohio. "Saniflush." (For a Cleaning Preparation.) No. 17,693; May 12; Gaz. vol. 202; p. 630.
- I. B. Kleinert Rubber Company, New York, N. Y. "Baby Pants." (For Baby-Pants.) No. 17,622; Mar. 31; Gaz. vol. 200; p. 1389.
- I. B. Kleinert Rubber Company, New York, N. Y. "Coucheculotte." (For Baby-Pants.) No. 17,623; Mar. 31; Gaz. vol. 200; p. 1389.
- Ideal Aeroplane & Supply Co., New York, N. Y. "Blue Bird Racing Aeroplane." (For a Flying Toy.) No. 18,026; Oct. 13; Gaz. vol. 207; p. 607.
- Imperial Macaroni Co., The, Chicago, Ill. "Purest Neapolitan-Style Macaroni." (For Macaroni.) No. 18,066; Nov. 3; Gaz. vol. 208; p. 336.
- Importers Coffee Co. Ltd., New Orleans, La. "Cremo." (For Cereal, Coffee, and Chicory.) No. 17,556; Feb. 17; Gaz. vol. 199; p. 937.
- Importers Coffee Co., Ltd., New Orleans, La. "French Restaurant." (For Coffee and Chicory.) No. 17,886; Aug. 4; Gaz. vol. 205; p. 303.
- Independent Breweries Company, The, St. Louis, Mo. "National Export." (For Beer.) No. 17,597; Mar. 10; Gaz. vol. 200; p. 580.
- Independent Milwaukee Brewery, Milwaukee, Wis. "Braumeister Bier." (For Beer.) No. 17,981; Sept. 15; Gaz. vol. 206; p. 875.
- Interboro Brewing Company, Inc., New York, N. Y. "Bismarck Beer." (For Beer.) No. 17,488; Jan. 27; Gaz. vol. 198; p. 896.
- Interboro Brewing Company, Inc., New York, N. Y. "Kremps Extra Beer." (For Beer.) No. 17,667; Apr. 28; Gaz. vol. 201; p. 1218.
- International Buckle Company, New Britain, Conn. "I B Co." (For Buckles.) No. 17,868; July 28; Gaz. vol. 204; p. 1343.
- Interstate Printing Company, The, St. Louis, Mo. "No. 200 Wall Paper Design." (For Tomatoes.) No. 17,444; Jan. 13; Gaz. vol. 198; p. 493.
- Interstate Printing Company, The, St. Louis, Mo. "No. 100 Garden Scene." (For Peaches.) No. 17,445; Jan. 13; Gaz. vol. 198; p. 493.
- Ireland, Wm. H., Chicago, Ill. "Billy Ireland's 9-30-6." (For Cigars.) No. 17,461; Jan. 20; Gaz. vol. 198; p. 701.
- J. C. Engine Food Co., Chicago, Ill. "Engine Food." (For a Preparation for Mixing with Gasoline to Increase the Explosive Nature Thereof.) No. 17,906; Aug. 18; Gaz. vol. 205; p. 1019.
- J. K. Armsby Co., The, San Francisco, Cal. "Sun-Kist Red Kidney Beans." (For Canned Kidney-Beans.) No. 17,715; May 26; Gaz. vol. 202; p. 1257.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Fancy-Grade Dried Fruits.) No. 17,751; June 2; Gaz. vol. 203; p. 303.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Extra-Choice-Grade Dried Fruits.) No. 17,752; June 2; Gaz. vol. 203; p. 303.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Choice-Grade Dried Fruits.) No. 17,753; June 2; Gaz. vol. 203; p. 303.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Extra-Fancy-Grade Dried Fruits.) No. 17,754; June 2; Gaz. vol. 203; p. 303.
- J. S. Briggs Co., Watertown, N. Y. "Hopsie." (For a Beverage.) No. 17,616; Mar. 31; Gaz. vol. 200; p. 1389.

Alphabetical list of registrants of labels—Continued.

- J. S. Elliott Coffee Company, Newville, Pa. "Good Enough." (For Coffee.) No. 18,117; Nov. 24; Gaz. vol. 208; p. 1354.
- J. W. Teasdale & Co., East St. Louis, Ill., and St. Louis, Mo. "Crown and Monarch Brand." (For Apples.) No. 18,139; Nov. 24; Gaz. vol. 208; p. 1354.
- Jacobsen, William H., Minneapolis, Minn. "Pad Garters." (For Garters.) No. 17,557; Feb. 17; Gaz. vol. 199; p. 937.
- Jacobsen, William H., Minneapolis, Minn. "Double Grip Pad Garters." (For Garters.) No. 17,558; Feb. 17; Gaz. vol. 199; p. 937.
- James S. Kirk & Company, Chicago, Ill. "Our Own American Family Soap Powder." (For Soap Powder.) No. 17,572; Feb. 24; Gaz. vol. 199; p. 1242.
- James S. Kirk & Company, Chicago, Ill. "Kirk's Flake Soap Powder." (For Soap Powder.) No. 17,573; Feb. 24; Gaz. vol. 199; p. 1242.
- James S. Kirk & Company, Chicago, Ill. "Our Own American Family Soap Powder." (For Soap Powder.) No. 17,574; Feb. 24; Gaz. vol. 199; p. 1242.
- James S. Kirk & Company, Chicago, Ill. "Kirk's Flake Soap Powder." (For Soap Powder.) No. 17,575; Feb. 24; Gaz. vol. 199; p. 1242.
- Jensen, C. J., Plainfield, N. J. "C. J. Jensen's Liniment." (For Liniment.) No. 17,535; Feb. 10; Gaz. vol. 199; p. 615.
- Jetter Brewing Company, South Omaha, Nebr. "Expert Beer." (For Beer.) No. 17,571; Feb. 24; Gaz. vol. 199; p. 1242.
- Jidas Bros. & Co., J. D., Chicago, Ill. "Delight Cleaner." (For a Compound for Cleaning, Polishing, and Scouring.) No. 17,559; Feb. 17; Gaz. vol. 199; p. 937.
- John A. Salzer Seed Co., La Crosse, Wis. "Salzer Seeds." (For Seeds.) No. 17,834; July 7; Gaz. vol. 204; p. 317.
- John Bird Company, Rockland, Me. "Splendid Brand." (For Squash.) No. 17,452; Jan. 20; Gaz. vol. 198; p. 701.
- John Hoberg Company, The, Green Bay, Wis. "The Old Craft." (For Paper Toweling.) No. 17,731; May 26; Gaz. vol. 202; p. 1257.
- John Hoberg Company, The, Green Bay, Wis. "Shimosa Japanese." (For Toilet-Paper.) No. 17,732; May 26; Gaz. vol. 202; p. 1257.
- John Hoberg Company, The, Green Bay, Wis. "Sam-Pan." (For Toilet-Paper.) No. 17,733; May 26; Gaz. vol. 202; p. 1257.
- John Hoberg Company, The, Green Bay, Wis. "Harvest Moon." (For Toilet-Paper.) No. 17,734; May 26; Gaz. vol. 202; p. 1257.
- John Hoberg Company, The, Green Bay, Wis. "Ready-seller." (For Toilet-Paper.) No. 17,735; May 26; Gaz. vol. 202; p. 1257.
- John Hoberg Co., The, Green Bay, Wis. "Samidare." (For Toilet-Paper.) No. 17,995; Sept. 22; Gaz. vol. 206; p. 1160.
- Johnstone, George F., Washington, D. C. "Menthos." (For a Medicinal Preparation.) Nos. 18,067-8; Nov. 3; Gaz. vol. 208; p. 336.
- Jose Llanza Company, Chicago, Ill. "Lanzon." (For Cigars.) No. 17,921; Aug. 18; Gaz. vol. 205; p. 1019.
- Josselson Bros., Catlettsburg, Ky. "Sweetmash 100 proof Corn Whiskey." (For Corn Whisky.) No. 18,027; Oct. 13; Gaz. vol. 207; p. 607.
- K and H Chemical Co., The, Edgewater, N. J. "K and H." (For Polishing-Cloths.) No. 17,489; Jan. 27; Gaz. vol. 198; p. 896.
- Kahn, Joseph, New York, N. Y. "Sore-Off The Horse's Best Friend." (For a Veterinary Remedy.) No. 17,950; Sept. 1; Gaz. vol. 206; p. 311.
- Katsura, H. Y., Brawley, Cal. "Eagle Brand." (For Cantaloups.) No. 17,462; Jan. 20; Gaz. vol. 198; p. 701.
- Kebart, Joseph J., New York, N. Y. "Kebart's." (For Clothes.) No. 17,887; Aug. 4; Gaz. vol. 205; p. 303.
- Keeler, George E., Albany, N. Y. "Natura Natures Medicine." (For Mineral Water.) No. 17,888; Aug. 4; Gaz. vol. 205; p. 303.
- Keil, Julius M., Western Springs, Ill. "Deep Well." (For Ginger-Ale.) No. 17,779; June 16; Gaz. vol. 203; p. 927.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Drinket." (For a Coffee Substitute.) No. 17,736; May 26; Gaz. vol. 202; p. 1257.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Krumbles." (For Prepared Cereal Foods.) No. 18,028; Oct. 13; Gaz. vol. 207; p. 607.
- Keyes, Sam'l J., Easton, Pa. "Magic Balm." (For a Medicinal Preparation.) No. 17,914; Aug. 18; Gaz. vol. 205; p. 1019.
- Keystone Polish Co., Philadelphia, Pa. "Keystone Polish Co." (For a Furniture Polish and Cleanser.) No. 17,823; July 7; Gaz. vol. 204; p. 317.
- Kilian, Henry F. C., New York, N. Y. "La Famosa." (For Canned Pears.) No. 17,824; July 7; Gaz. vol. 204; p. 317.
- Klink, William J., Palmyra, N. Y. "Auto Shine and Window Cleaner." (For a Metal-Polish and Window-Cleaner.) No. 17,763; June 2; Gaz. vol. 203; p. 303.
- Knaub, Urban H., York, Pa. "Ideal." (For Corn-Salve.) No. 17,624; Mar. 31; Gaz. vol. 200; p. 1389.
- Kopf, Henry B., New Haven, Conn. "Pineisle Beauties." (For Pineapples.) No. 17,889; Aug. 4; Gaz. vol. 205; p. 303.
- Kostner, Frank, Jr., Chicago, Ill. "Kostner's Little Wizard Superba." (For Pumice Hand-Soap.) No. 17,737; May 26; Gaz. vol. 202; p. 1257.
- Kraus & Co., Baltimore, Md. "Regional Bank." (For Cigars.) No. 17,825; July 7; Gaz. vol. 204; p. 317.
- Kraus & Co., Baltimore, Md. "Sun Flower." (For Cigars.) No. 17,915; Aug. 18; Gaz. vol. 205; p. 1019.
- Kraus & Co., Baltimore, Md. "Gloriously Good." (For Cigars.) No. 17,916; Aug. 18; Gaz. vol. 205; p. 1019.
- Kraus & Co., Baltimore, Md. "Six Days." (For Cigars.) No. 17,917; Aug. 18; Gaz. vol. 205; p. 1019.
- Kraus & Co., Baltimore, Md. "The Perego & Moore Co. Perfectos." (For Cigars.) No. 17,918; Aug. 18; Gaz. vol. 205; p. 1019.
- Kraus & Co., Baltimore, Md. "Red Label S. S. S." (For Cigars.) No. 17,919; Aug. 18; Gaz. vol. 205; p. 1019.
- Krause, Louise, Los Angeles, Cal. "Strocleen." (For a Composition for Cleaning and Blocking Straw Hats.) No. 17,694; May 12; Gaz. vol. 202; p. 630.
- Kurtz & Post, Wooster, Ohio. "Postacola." (For a Beverage.) No. 18,069; Nov. 3; Gaz. vol. 208; p. 336.
- La Posenda Cigar Company, Chicago, Ill. "Master Yet." (For Cigars.) No. 17,996; Sept. 22; Gaz. vol. 206; p. 1160.
- La Posenda Cigar Company, Chicago, Ill. "Sixth Senator." (For Cigars.) No. 17,997; Sept. 22; Gaz. vol. 206; p. 1160.
- La Prenda Cigar Company, Milwaukee, Wis. "La Prenda." (For Cigars.) No. 17,780; June 16; Gaz. vol. 203; p. 927.
- Lackawanna Mills, The, Scranton, Pa. "'Lackawanna' Twins." (For Ladies and Children's Union Suits.) No. 18,070; Nov. 3; Gaz. vol. 208; p. 336.
- Lakowitz, Morris, Chicago, Ill. "Russ Turk." (For Tobacco.) No. 17,463; Jan. 20; Gaz. vol. 198; p. 701.
- Laks Cigar Co., New York, N. Y. "Las Dalagas." (For Cigars.) No. 17,848; July 14; Gaz. vol. 204; p. 673.
- Landers, Frary & Clark, New Britain, Conn. "Universal." (For Perculators.) No. 17,464; Jan. 20; Gaz. vol. 198; p. 701.
- Landers, Frary & Clark, New Britain, Conn. "Universal." (For Tea-Caddies.) No. 17,668; Apr. 28; Gaz. vol. 201; p. 1218.
- Landers, Frary & Clark, New Britain, Conn. "Universal." (For Butcher-Knives.) No. 17,809; June 23; Gaz. vol. 203; p. 1259.
- Landers, Frary & Clark, New Britain, Conn. "Universal." (For Putty-Knives.) No. 17,951; Sept. 1; Gaz. vol. 206; p. 311.
- Larkin, Peter C., Toronto, Ontario, Canada, and New York, N. Y. "Salada." (For Cocoa.) No. 17,695; May 12; Gaz. vol. 202; p. 630.
- Lastlong Underwear Co., Oswego, N. Y. "Lastlong." (For Underwear.) No. 17,952; Sept. 1; Gaz. vol. 206; p. 311.
- Laurelton Farms, Inc., Burnsville, N. J. "Laurelton Farms." (For Poultry and Eggs.) No. 17,465; Jan. 20; Gaz. vol. 198; p. 701.
- Laxago Bitters Co., Detroit, Mich. "Laxago." (For a Medicinal Preparation.) No. 17,576; Feb. 24; Gaz. vol. 199; p. 1242.
- Laxago Bitters Co., Detroit, Mich. "Tano." (For a Medicinal Preparation.) No. 17,577; Feb. 24; Gaz. vol. 199; p. 1242.
- Laxago Bitters Co., Detroit, Mich. "Wormwood." (For a Medicinal Preparation.) No. 17,578; Feb. 24; Gaz. vol. 199; p. 1242.
- Laxago Bitters Co., Detroit, Mich. "Koff-Kure." (For a Medicinal Preparation.) No. 17,579; Feb. 24; Gaz. vol. 199; p. 1242.
- Ledig, Anthony J., Chicago, Ill. "Noblesse Delightful." (For Face-Powder.) No. 17,738; May 26; Gaz. vol. 202; p. 1257.
- Leith, Alexander B., and W. S. Ferris, Elkhart, Ind. "Go-Cart." (For Go-Carts.) No. 18,125; Nov. 24; Gaz. vol. 208; p. 1354.
- Levenson Bros., Boston, Mass. "Boston Smokers." (For Cigars.) No. 18,126; Nov. 24; Gaz. vol. 208; p. 1354.
- Levy, David B., Brooklyn, N. Y. "Brugg's Anaesthesia Mixture." (For an Anesthesia Mixture.) No. 17,653; Apr. 14; Gaz. vol. 201; p. 568.
- Lewis, Minerva, Birmingham, Ala. "The Wandering Dew Vine Hair Grower." (For a Hair-Tonic.) No. 17,849; July 14; Gaz. vol. 204; p. 673.
- Lewis, Samuel, New York, N. Y. "Black Cat." (For Dustless Dust-Cloths.) No. 17,508; Feb. 3; Gaz. vol. 199; p. 305.
- Lewiston Orchards Association, Lewiston, Idaho. "The Gateway Brand." (For Apples.) No. 18,155; Dec. 22; Gaz. vol. 209; p. 1315.
- Lewiston Orchards Association, Lewiston, Idaho. "The Gateway Brand." (For Pears.) No. 18,156; Dec. 22; Gaz. vol. 209; p. 1315.
- Little, J. W., Brooklyn, N. Y. "McCann's Urn Brand Coffee With Chicory." (For Ground Coffee with Chicory.) No. 17,606; Mar. 24; Gaz. vol. 200; p. 1113.

Alphabetical list of registrants of labels—Continued.

- Long, J. A., Greensboro, N. C. "White Rose Ginger Ale." (For Ginger-Ale.) No. 17,466; Jan. 20; Gaz. vol. 198; p. 701.
- Los Angeles Pharmaceutical Co., Granada Park, Cal. "Narton." (For a Remedy.) No. 18,127; Nov. 24; Gaz. vol. 208; p. 1354.
- Lotos Tea Concern, Inc., New York, N. Y. "Tea." (For Tea.) No. 17,509; Feb. 3; Gaz. vol. 199; p. 305.
- Ludwig Bros., Chicago, Ill. "L. B." (For Cigars.) No. 17,764; June 2; Gaz. vol. 203; p. 303.
- Lytle, William F., Indianapolis, Ind. "Lytle's Ever Ready Beef Steak Flour." (For Flour.) No. 17,607; Mar. 24; Gaz. vol. 200; p. 1113.
- M. F. Supply Co., Merchantville, N. J. "Touch-an-Go." (For a Cleaning Compound.) No. 17,678; Apr. 28; Gaz. vol. 201; p. 1218.
- Maier Brewing Co., Inc., Los Angeles, Cal. "Old Fashion German Brew." (For Beer.) No. 17,739; May 26; Gaz. vol. 202; p. 1257.
- Manville Company, Providence, R. I. "Manville Color Craft Draperies." (For Textile Fabrics.) No. 18,071; Nov. 3; Gaz. vol. 208; p. 336.
- Marchosky, Shulem J., New York, N. Y. "Canal Cigarettes." (For Cigarettes.) No. 17,850; July 14; Gaz. vol. 204; p. 673.
- Martin Baking Company, The, Cleveland, Ohio. "Marco." (For Cakes.) No. 17,869; July 28; Gaz. vol. 204; p. 1343.
- Martin, Charles C., Denver, Colo. "Bluhill Green Chile Cheese." (For Cheese.) No. 18,150; Dec. 15; Gaz. vol. 209; p. 1051.
- Martin, Charles C., Denver, Colo. "Bluhill Cheese." (For Cheese.) No. 18,151; Dec. 15; Gaz. vol. 209; p. 1051.
- Martin Wagner Company, Baltimore, Md. "Wagner's." (For Canned Pork and Beans with Tomato Sauce.) No. 17,876; July 28; Gaz. vol. 204; p. 1343.
- Martinez, Pedro P., Dallas, Tex. "Don Juarez." (For Cigars.) No. 17,781; June 16; Gaz. vol. 203; p. 927.
- Mathews Candy Company, Los Angeles, Cal. "Calora California Candy Orange Slices." (For Candy Orange Slices.) No. 17,654; Apr. 14; Gaz. vol. 201; p. 568.
- May Lumber Company, The, Pittsburgh, Pa. "Mr. Goodwood." (For Lumber.) No. 18,102; Nov. 10; Gaz. vol. 208; p. 654.
- Mayer, Max, New York, N. Y. "Tops for Tots." (For Baby-Caps and Misses' Millinery.) No. 18,128; Nov. 24; Gaz. vol. 208; p. 1354.
- Maynard and Company, W. C., Newport, Oreg. "W. C. Maynard's Guaranteed Water Proof Shoe Oil." (For Shoe-Oil.) No. 17,536; Feb. 10; Gaz. vol. 199; p. 615.
- McClaskey, Lacey, Bloomfield, Ky. "Sugar-Valley Mineral Water." (For Mineral Water.) No. 17,980; Sept. 15; Gaz. vol. 206; p. 875.
- McDonald, James G., Salt Lake City, Utah. "J. G. McDonald's Meadow Milk Chocolates." (For Milk-Chocolates.) No. 17,470; Jan. 20; Gaz. vol. 198; p. 701.
- McGirr, Joseph W., Rock Island, Ill. "Maxall Furniture Polish." (For Liquid Polishing and Cleansing Materials.) No. 18,105; Nov. 10; Gaz. vol. 208; p. 654.
- McInturf, R. E., McComb, Miss. "The White Chief." (For a Remedy.) No. 17,669; Apr. 28; Gaz. vol. 201; p. 1218.
- McMasters & Hermes, Joliet, Ill. "La Herma." (For Cigars.) No. 17,490; Jan. 27; Gaz. vol. 198; p. 896.
- McNulty & Stiff, Toledo, Ohio. "Lightning Rheumatic Remedy." (For a Rheumatic Remedy.) No. 17,591; Mar. 3; Gaz. vol. 200; p. 278.
- Medwedeff, A., Baltimore, Md. "Very Best Chewing Gum." (For Chewing-Gum.) No. 17,655; Apr. 14; Gaz. vol. 201; p. 568.
- Messer & Co., C. A., Augusta, Me. "Capital Brand Clothing." (For Clothing.) No. 18,072; Nov. 3; Gaz. vol. 208; p. 336.
- Michaels, Henry, Buffalo, N. Y. "Elysian Massage Cream." (For Massage-Cream.) No. 17,697; May 12; Gaz. vol. 202; p. 630.
- Mills, Charles H., Toledo, Ohio. "Insto Tire Fix." (For a Material for Repairing Pneumatic Tires.) No. 17,832; July 7; Gaz. vol. 204; p. 317.
- Mills, Eugene, Los Angeles, Cal. "Mills' Eczema Remedy." (For a Solution for Treatment of Eczema.) No. 17,471; Jan. 20; Gaz. vol. 198; p. 701.
- Miner, W. H., Chazy, N. Y. "Heart's Delight Farm Jelly." (For Jelly.) No. 17,598; Mar. 10; Gaz. vol. 200; p. 580.
- Minerva Manufacturing Company, Chicago, Ill. "Minerva." (For Face-Cream.) No. 18,157; Dec. 22; Gaz. vol. 209; p. 1315.
- Moehle Lithographic Company, The, New York, N. Y. "Labor Lights." (For Cigars.) No. 17,537; Feb. 10; Gaz. vol. 199; p. 615.
- Moehle Lithographic Company, The, New York, N. Y. "La Regenta." (For Cigars.) No. 17,538; Feb. 10; Gaz. vol. 199; p. 615.
- Moehle Lithographic Company, The, New York, N. Y. "Mabel." (For Cigars.) No. 17,539; Feb. 10; Gaz. vol. 199; p. 615.
- Moehle Lithographic Company, The, New York, N. Y. "Spanish Brown." (For Cigars.) No. 17,540; Feb. 10; Gaz. vol. 199; p. 615.
- Moehle Lithographic Company, The, New York, N. Y. "I Should Worry." (For Cigars.) No. 17,541; Feb. 10; Gaz. vol. 199; p. 615.
- Moehle Lithographic Company, The, New York, N. Y. "Sweet Vueltas." (For Cigars.) No. 17,542; Feb. 10; Gaz. vol. 199; p. 615.
- Moehle Lithographic Company, The, New York, N. Y. "American Union." (For Cigars.) No. 17,543; Feb. 10; Gaz. vol. 199; p. 615.
- Moehle Lithographic Company, The, New York, N. Y. "La Fortuna." (For Cigars.) No. 17,782; June 16; Gaz. vol. 203; p. 927.
- Moehle Lithographic Company, The, New York, N. Y. "Havana Beauty." (For Cigars.) No. 17,783; June 16; Gaz. vol. 203; p. 927.
- Moehle Lithographic Company, The, New York, N. Y. "La Marelna." (For Cigars.) No. 17,784; June 16; Gaz. vol. 203; p. 927.
- Moehle Lithographic Company, The, New York, N. Y. "La Suprema." (For Cigars.) No. 17,785; June 16; Gaz. vol. 203; p. 927.
- Moehle Lithographic Company, The, New York, N. Y. "Choice Pick." (For Cigars.) No. 17,786; June 16; Gaz. vol. 203; p. 927.
- Moehle Lithographic Company, The, New York, N. Y. "Planter's Punch." (For Cigars.) No. 17,787; June 16; Gaz. vol. 203; p. 927.
- Moehle Lithographic Company, The, New York, N. Y. "El Adepto." (For Cigars.) No. 17,788; June 16; Gaz. vol. 203; p. 927.
- Moehle Lithographic Company, The, New York, N. Y. "Juan Riano." (For Cigars.) No. 18,073; Nov. 3; Gaz. vol. 208; p. 336.
- Moehle Lithographic Company, The, New York, N. Y. "El Premio." (For Cigars.) No. 18,074; Nov. 3; Gaz. vol. 208; p. 336.
- Moehle Lithographic Company, The, New York, N. Y. "National Life." (For Cigars.) No. 18,075; Nov. 3; Gaz. vol. 208; p. 336.
- Moehle Lithographic Company, The, New York, N. Y. "Ardeth." (For Cigars.) No. 18,103; Nov. 10; Gaz. vol. 208; p. 654.
- Moehle Lithographic Company, The, New York, N. Y. "Havana Texture." (For Cigars.) No. 18,104; Nov. 10; Gaz. vol. 208; p. 654.
- Monadnock Mills, Claremont, N. H. "Equity Crochet Quilt." (For Quilts.) No. 17,599; Mar. 10; Gaz. vol. 200; p. 580.
- Monico-Alles Company, New Castle, Pa. "Vitello Brand." (For Macaroni.) No. 17,828; July 7; Gaz. vol. 204; p. 317.
- Montana Flour Mills Company, Lewistown, Mont. "It's The Wheat." (For Flour.) No. 17,472; Jan. 20; Gaz. vol. 198; p. 701.
- Montana Flour Mills Company, Lewistown, Mont. "Delicious Sapphire Oats." (For Oats.) No. 17,922; Aug. 18; Gaz. vol. 205; p. 1019.
- Montana Flour Mills Company, Lewistown, Mont. "It's The Oats." (For Rolled Oats.) No. 17,923; Aug. 18; Gaz. vol. 205; p. 1019.
- Moore Sons, Edward J., New York, N. Y. "Doctor Sanger's." (For a Medicinal Preparation in Capsule Form.) No. 17,698; May 12; Gaz. vol. 202; p. 630.
- More, Lucius E., St. Louis, Mo. "Managers." (For a Game Apparatus.) No. 17,510; Feb. 3; Gaz. vol. 199; p. 305.
- Morris, Fred A., Mexico, Mo. "Morris' Pennant." (For Cigars.) No. 17,608; Mar. 24; Gaz. vol. 200; p. 1113.
- Morris, John, Washington, D. C. "Brookville." (For Whisky.) No. 17,870; July 28; Gaz. vol. 204; p. 1343.
- Morris, Mann and Reilly, Chicago, Ill. "Red Seal Invisible Hair Nets." (For Hair-Nets.) No. 17,810; June 23; Gaz. vol. 203; p. 1259.
- Mouth Hygiene Co., Wilkinsburg, Pa. "Mouth Hygiene Tooth Paste." (For Tooth-Paste.) No. 17,829; July 7; Gaz. vol. 204; p. 317.
- Mouth Hygiene Co., Wilkinsburg, Pa. "Mouth Hygiene Tooth Powder." (For Tooth-Powder.) No. 17,830; July 7; Gaz. vol. 204; p. 317.
- Mülhens & Kropff, New York, N. Y. "Extrait D'Eau De Cologne Double." (For Cologne.) No. 17,544; Feb. 10; Gaz. vol. 199; p. 615.
- Musolino & Berger, Boston, Mass. "Marca Leone." (For Macaroni.) No. 18,076; Nov. 3; Gaz. vol. 208; p. 336.
- Nagle, Peter J., Rochester, N. Y. "Consult Elcaro." (For Games.) No. 18,029; Oct. 13; Gaz. vol. 207; p. 607.
- Nashua Card Gummed & Coated Paper Company, Nashua, N. H. "Campnic." (For Wrappers for Food Products.) No. 17,998; Sept. 22; Gaz. vol. 206; p. 1160.
- National Brewing Company, The, New Orleans, La. "B-i-n-o Brand Choicest Lager Beer." (For Beer.) No. 17,699; May 12; Gaz. vol. 202; p. 630.
- National Cleanser Company, The, New York, N. Y. "Mother's Cleanser." (For a Cleansing Preparation.) No. 17,609; Mar. 24; Gaz. vol. 200; p. 1113.
- National Gum & Mica Company, New York, N. Y. "Mikah White Paste." (For Adhesive Paste.) No. 17,656; Apr. 14; Gaz. vol. 201; p. 568.

Alphabetical list of registrants of labels—Continued.

- National Steel & Copper Plate Company, Chicago, Ill. "Natsco." (For a Substitute for Potassium Iodid and Iodin Resublimed.) No. 18,030; Oct. 13; Gaz. vol. 207; p. 607.
- Nelson, Charles T., Rockford, Ill. "Nelson's Bird." (For Cigars.) No. 18,129; Nov. 24; Gaz. vol. 208; p. 1354.
- New England Peanut Co., The, New Haven, Conn. "Original 'Nutlike' Brand." (For Peanut-Butter.) No. 17,491; Jan. 27; Gaz. vol. 198; p. 896.
- New French Baking Company, Incorporated, The, San Francisco, Cal. "Malted Milk Bread." (For Bread.) No. 17,811; June 23; Gaz. vol. 203; p. 1259.
- New Lustre Mfg. Co., Kansas City, Mo. "New Lustre." (For a Polish.) No. 18,031; Oct. 13; Gaz. vol. 207; p. 607.
- New West End Manufacturing Co., Hoboken, N. J. "Rain-Proof Roofing." (For Roofing-Felt.) No. 18,130; Nov. 24; Gaz. vol. 208; p. 1354.
- Noack & Klaudt, Tripp, S. D. "State Seal." (For Cigars.) No. 17,808; June 23; Gaz. vol. 203; p. 1259.
- North American Mercantile Co., San Francisco, Cal. "Rising Sun." (For Canned Pickles.) No. 17,890; Aug. 4; Gaz. vol. 205; p. 303.
- O'Connor & Co., Hugh, Brooklyn, N. Y. "Watch The Improved Victoria Pleater." (For a Plaiter.) No. 18,004; Oct. 6; Gaz. vol. 207; p. 297.
- Olympia Brewing Co., Olympia, Wash. "Olympia Malt Tonic." (For a Tonic.) No. 17,831; July 7; Gaz. vol. 204; p. 317.
- Olympia Brewing Co., Olympia, Wash. "Olympia Pale Export." (For Light Beer.) No. 17,852; July 14; Gaz. vol. 204; p. 673.
- Opera Stars Company, New York, N. Y. "Opera Stars." (For Lozenges.) No. 17,641; Apr. 7; Gaz. vol. 201; p. 266.
- Oppenheim, Oberndorf & Co., Baltimore, Md. "The Haberdasher." (For Shirts.) No. 17,492; Jan. 27; Gaz. vol. 198; p. 896.
- Oriental Silk Printing Company, New York, N. Y. "Authentic Designs." (For Printed Silks.) No. 17,765; June 2; Gaz. vol. 203; p. 303.
- Osteyee, Fred M., Pittsfield, Mass. "G-R-S Ginger Ale." (For Ginger-Ale.) No. 17,700; May 12; Gaz. vol. 202; p. 630.
- Pacella, Michelangelo, Chicago, Ill. "Cimex For Bed Bugs Tere-Metalol-Chlorimine." (For an Insecticide.) No. 17,953; Sept. 1; Gaz. vol. 206; p. 311.
- Pacific Coast Biscuit Company, Seattle, Wash. "Snow Flake Sodas." (For Salted Wafers.) No. 17,670; Apr. 28; Gaz. vol. 201; p. 1218.
- Package Confectionery Company, Boston, Mass. "Sugar Moons." (For Candy.) No. 17,812; June 23; Gaz. vol. 203; p. 1259.
- Palmore, I. N., Richmond, Va. "Melrich." (For Ginger-Ale.) No. 17,657; Apr. 14; Gaz. vol. 201; p. 568.
- Park & Tilford, New York, N. Y. "Mona Lisa's Smile Chocolates." (For Chocolates.) No. 17,897; Aug. 11; Gaz. vol. 205; p. 660.
- Park & Tilford, New York, N. Y. "Tango Chocolates." (For Chocolates.) No. 17,898; Aug. 11; Gaz. vol. 205; p. 660.
- Paxton Brothers Company, The, Cincinnati, Ohio. "Old Hawkins Whisky." (For Whisky.) No. 17,545; Feb. 10; Gaz. vol. 199; p. 615.
- Paxton & Windham, Birmingham, Ala. "Paxton & Windham's New Life Angel Tonic." (For a Medicine.) No. 18,032; Oct. 13; Gaz. vol. 207; p. 607.
- Pecora Paint Company, Philadelphia, Pa. "Pecora Dress-Kote Flat Enamel." (For Flat Enamel Paint.) No. 17,493; Jan. 27; Gaz. vol. 198; p. 896.
- Penn, Samuel S., New York, N. Y. "Removalin." (For a Medicinal Preparation.) No. 17,871; July 28; Gaz. vol. 204; p. 1343.
- Penryn Fruit Company, Penryn, Cal. "California Cherries." (For Cherries.) No. 17,954; Sept. 1; Gaz. vol. 206; p. 311.
- Perkins, Thomas L., Boston, Mass. "Pink T. Sweet." (For Crystallized Sugar.) No. 18,106; Nov. 10; Gaz. vol. 208; p. 654.
- Pessagno & Montresor, New York, N. Y. "Valpolicella Arena Red." (For Wine.) No. 17,740; May 26; Gaz. vol. 202; p. 1257.
- Pessagno & Montresor, New York, N. Y. "Valpolicella Arena Sec." (For Wine.) No. 17,741; May 26; Gaz. vol. 202; p. 1257.
- Peter Pistach Nut Co., Naugatuck, Conn. "Peter's Pistach Nuts." (For Pistach-Nuts.) No. 17,742; May 26; Gaz. vol. 202; p. 1257.
- Petri-Italian-American Cigar Co., Inc., San Francisco, Cal. "The Old Petri." (For Cigars.) No. 17,546; Feb. 10; Gaz. vol. 199; p. 615.
- Petri Italian-American Cigar Co., Inc., San Francisco, Cal. "Marca Petri." (For Cigars.) No. 18,033; Oct. 13; Gaz. vol. 207; p. 607.
- Pfaff, Harry C., Chicago, Ill. "Tri=Um." (For Foot-Bath Tablets.) No. 17,511; Feb. 3; Gaz. vol. 199; p. 305.
- Phillips Bros., Baltimore, Md. "Champion." (For Ginger-Ale.) No. 18,107; Nov. 10; Gaz. vol. 208; p. 654.
- Phillips Bros., Baltimore, Md. "Champion." (For Lemon-Soda.) No. 18,131; Nov. 24; Gaz. vol. 208; p. 1354.
- Phillips Bros., Baltimore, Md. "Champion." (For Sarsaparilla.) No. 18,132; Nov. 24; Gaz. vol. 208; p. 1354.
- Phoenix Bros., Fair Oaks, Cal. "Phoenix's California Ripe Olives." (For Ripe Olives.) No. 17,955; Sept. 1; Gaz. vol. 206; p. 311.
- Pillsbury Flour Mills Company, Minneapolis, Minn. "Pillsbury's Health Bran." (For Bran.) No. 17,853; July 14; Gaz. vol. 204; p. 673.
- Pingree-Traung Co., San Francisco, Cal. "A Bowl of Apples." (For Apples.) No. 17,473; Jan. 20; Gaz. vol. 198; p. 701.
- Pioneer Vinegar Works, The, San Antonio, Tex. "Delaware Punch." (For a Drink.) No. 17,932; Aug. 18; Gaz. vol. 205; p. 1019.
- Pitt, Thomas S., Wells Depot, Me. "Pitt's Antiseptic Soap." (For Powdered Soap.) No. 17,512; Feb. 3; Gaz. vol. 199; p. 305.
- Pittsburgh Brewing Company, Pittsburgh, Pa. "Tech." (For Beer.) No. 17,789; June 16; Gaz. vol. 203; p. 927.
- Plaschy, Leon, New York, N. Y. "Amole." (For a Hair-Tonic.) No. 17,671; Apr. 28; Gaz. vol. 201; p. 1218.
- Pollak, Joseph, Chicago, Ill. "Devil's Stomach Liquor." (For an Alcoholic Liquor.) No. 17,629; Mar. 31; Gaz. vol. 200; p. 1389.
- Pollard, Firm of Thomas E., Pittsburgh, Pa. "Irish Lace." (For Whisky.) No. 17,924; Aug. 13; Gaz. vol. 205; p. 1019.
- Popcorn Products Company, New York, N. Y. "Corn Brand." (For Popcorn Confectionery.) No. 17,474; Jan. 20; Gaz. vol. 198; p. 701.
- Potter & Wrightington, Boston, Mass. "Guardian." (For Dog-Soap.) No. 17,833; July 7; Gaz. vol. 204; p. 317.
- Power Gas Products Company, Minneapolis, Minn. "Front label for can." (For a Lubricating Fluid.) No. 18,034; Oct. 13; Gaz. vol. 207; p. 607.
- Prebol's Pharmacy, Passaic, N. Y. "Zubrownik." (For Medicinal Bitter Wine.) No. 17,672; Apr. 28; Gaz. vol. 201; p. 1218.
- Preventit Co., Dallas, Tex. "La Preventit." (For a Preventive.) No. 17,580; Feb. 24; Gaz. vol. 199; p. 1242.
- Prophytol Products Company, Inc., Richmond, Va. "Bacillicide." (For an Antiseptic.) No. 17,642; Apr. 7; Gaz. vol. 201; p. 266.
- Protobrewing Company, Philadelphia, Pa. "King Protos (Rex) Beer." (For Beer.) No. 17,547; Feb. 10; Gaz. vol. 199; p. 615.
- Puritan Coconut Butter Co., Philadelphia, Pa. "Kuxit." (For Cooking-Butter Made from Refined Coconut-Oil.) No. 17,701; May 12; Gaz. vol. 202; p. 630.
- Purity Yeast Co., Beresford, S. D. "Purity Yeast." (For Yeast.) No. 17,854; July 14; Gaz. vol. 204; p. 673.
- Quick Relief Remedy Company, Long Island City, N. Y. "Quick Relief Lung Balsam." (For Medicine.) No. 17,982; Sept. 15; Gaz. vol. 206; p. 875.
- R. Blankenburg Company, The, Philadelphia, Pa. "Elder Brand Down Quilts." (For Quilts.) No. 17,637; Apr. 7; Gaz. vol. 201; p. 266.
- R. Blankenburg Company, The, Philadelphia, Pa. "Snow Flake Cotton Comforts." (For Comforts.) No. 17,638; Apr. 7; Gaz. vol. 201; p. 266.
- R. Blankenburg Company, The, Philadelphia, Pa. "Golden Fleece Lambs Wool Health Comforts." (For Comforts.) No. 17,639; Apr. 7; Gaz. vol. 201; p. 266.
- R. E. Rodda Candy Company, The, Lancaster, Pa. "High Jinks." (For Candy.) No. 17,790; June 16; Gaz. vol. 203; p. 927.
- R. W. Gees Commission Co., Kansas City, Mo. "Portales Gems." (For Cantaloups.) No. 17,975; Sept. 15; Gaz. vol. 206; p. 875.
- Ralston Purina Company, St. Louis, Mo. "Purina Whole Wheat Zwieback." (For Zwieback.) No. 18,077; Nov. 3; Gaz. vol. 208; p. 336.
- Rawson, Lorin A., administrator. (See Andrews, Frank.)
- Reliance Manufacturing Company, Rock Stream, N. Y. "Pure Reliance Baking Powder." (For Baking-Powder.) No. 17,925; Aug. 18; Gaz. vol. 205; p. 1019.
- Republic Chemical Products Co., Chicago, Ill. "Odor Killer." (For a Disinfectant.) No. 18,035; Oct. 13; Gaz. vol. 207; p. 607.
- Republic Chemical Products Co., Chicago, Ill. "Crystal Sparkle." (For a Cleansing Preparation.) No. 18,036; Oct. 13; Gaz. vol. 207; p. 607.
- Rex Puncture Cure Company, New York, N. Y. "Rex Puncture Cure." (For a Compound for Sealing Punctures.) No. 17,630; Mar. 31; Gaz. vol. 200; p. 1389.
- Reynolds Corporation, The, Bristol, Tenn. "The Lustre Box." (For a Polishing Material.) No. 17,743; May 26; Gaz. vol. 202; p. 1257.
- Reynolds, Milton H., Somerville, Mass. "Reynolds' Sweet Milk Fudge Cocoa." (For Cocoa.) No. 17,673; Apr. 28; Gaz. vol. 201; p. 1218.
- Reynolds, Milton H., Somerville, Mass. "Chocolate Waferettes." (For Chocolate.) No. 17,674; Apr. 28; Gaz. vol. 201; p. 1218.
- Reynolds, Milton H., Somerville, Mass. "Cooking Chocolate." (For Chocolate.) No. 17,675; Apr. 28; Gaz. vol. 201; p. 1218.

Alphabetical list of registrants of labels—Continued.

- Reznik, Isser, New York, N. Y. "Cambric for Family Use." (For Cambric.) No. 17,744; May 26; Gaz. vol. 202; p. 1257.
- Rheumabath Company, Minneapolis, Minn. "Rheumabaths." (For a Saline Laxative.) No. 17,475; Jan. 20; Gaz. vol. 198; p. 701.
- Rheumabath Company, Minneapolis, Minn. "Rheumabath." (For a Medicinal Preparation.) No. 17,476; Jan. 20; Gaz. vol. 198; p. 701.
- Richard Hudnut, New York, N. Y. "Tout Mon Jardin." (For Sachet.) No. 17,487; Jan. 27; Gaz. vol. 198; p. 896.
- Richards-Glover Company, Dallas, Tex. "Cotton Boll." (For Sanitary Paper Towels.) No. 17,610; Mar. 24; Gaz. vol. 200; p. 1113.
- Rippee, William, Cincinnati, Ohio. "Rippee's Concentrated Marshmallow Cream Icing." (For Cake-Icing.) No. 18,078; Nov. 3; Gaz. vol. 208; p. 336.
- Robert Smith Ale Brewing Co., The, Philadelphia, Pa. "Robert Smith's Philada. Brown Stout." (For Stout.) No. 17,983; Sept. 15; Gaz. vol. 206; p. 875.
- Robertson Paper Company, Bellows Falls, Vt. "Yankee." (For Bread.) No. 18,079; Nov. 3; Gaz. vol. 208; p. 336.
- Robertson Paper Company, Bellows Falls, Vt. "Atlas." (For Bread.) No. 18,080; Nov. 3; Gaz. vol. 208; p. 336.
- Robertson Paper Company, Bellows Falls, Vt. "Golden Sheaf." (For Bread.) No. 18,081; Nov. 3; Gaz. vol. 208; p. 336.
- Robertson Paper Company, Bellows Falls, Vt. "Hygie Continuous Roll." (For Wrapping-Paper.) No. 18,134; Nov. 24; Gaz. vol. 208; p. 1354.
- Robins, Max, Chicago, Ill. "Pastax." (For a Remedy for Gonorrhea and Diseases of the Kidneys and Bladder.) No. 17,560; Feb. 17; Gaz. vol. 199; p. 937.
- Robinson, Chester H., Chicago, Ill. "William Morton." (For Cigars.) No. 17,611; Mar. 24; Gaz. vol. 200; p. 1113.
- Rolfe, Charles A., Redlands, Cal. "The Rolfe Regulation American Lawn Golf Ball." (For Golf-Balls.) No. 18,135; Nov. 24; Gaz. vol. 208; p. 1354.
- Rosenberg, Jacob, New York, N. Y. "Sealeaf." (For Cod-Liver Oil.) No. 17,561; Feb. 17; Gaz. vol. 199; p. 937.
- Rosenson, Hyman B., New York, N. Y. "Better than The Imported." (For Spirits.) No. 17,999; Sept. 22; Gaz. vol. 206; p. 1160.
- Ruff Brewing Co., Quincy, Ill. "Jaeger Bräu." (For Beer.) No. 17,926; Aug. 18; Gaz. vol. 205; p. 1019.
- Russell Playing Card Co., Milltown, N. J., and New York, N. Y. "Autocrat." (For Playing-Cards.) No. 17,477; Jan. 20; Gaz. vol. 198; p. 701.
- Russell, Wm. H., Jersey City, N. J. "Russell's Ideal Sanitary Unfermented Individual Grape Juice Cupette." (For a Grape-Juice Product.) No. 17,891; Aug. 4; Gaz. vol. 205; p. 303.
- Ryan Soap Company, The, Cincinnati, Ohio. "Ryan's Naphtha Soap." (For Soap.) No. 17,494; Jan. 27; Gaz. vol. 198; p. 896.
- S. R. Feil Company, The, Cleveland, Ohio. "Sal-Vet Brand Roup Tablets." (For a Remedy.) No. 17,729; May 26; Gaz. vol. 202; p. 1257.
- S. R. Feil Company, The, Cleveland, Ohio. "Sal-Vet Brand Lice Powder." (For an Insecticide.) No. 17,805; June 23; Gaz. vol. 203; p. 1259.
- S. R. Feil Company, The, Cleveland, Ohio. "Sal-Vet Brand Poultry Tonic." (For a Poultry-Tonic.) No. 17,806; June 23; Gaz. vol. 203; p. 1259.
- S. S. White Dental Manufacturing Company, The, Philadelphia, Pa. "S. S. White Cold Cream." (For Cold-Cream.) Nos. 18,090-1; Nov. 3; Gaz. vol. 208; p. 337.
- S. S. White Dental Manufacturing Company, The, Philadelphia, Pa. "S. S. White Tooth Paste." (For Tooth Paste.) No. 18,092; Nov. 3; Gaz. vol. 208; p. 337.
- S. S. White Dental Manufacturing Company, The, Philadelphia, Pa. "S. S. White Carbolized Tooth Paste." (For Tooth-Paste.) No. 18,093; Nov. 3; Gaz. vol. 208; p. 337.
- S. S. White Dental Manufacturing Company, Philadelphia, Pa. "S. S. White Violet Talcum Powder." (For Talcum Powder.) No. 18,143; Nov. 24; Gaz. vol. 208; p. 1354.
- Saginaw Creamery Company, Saginaw, Mich. "Saginaw Creamery Co. Dairy Products." (For Butter.) No. 17,927; Aug. 18; Gaz. vol. 205; p. 1019.
- Saginaw Specialty Company, Saginaw, Mich. "El Nilo." (For Cigars.) No. 17,581; Feb. 24; Gaz. vol. 199; p. 1242.
- Salant & Salant, New York, N. Y. "Am-O-Kay." (For Shirts.) No. 17,631; Mar. 31; Gaz. vol. 200; p. 1389.
- Savarese Macaroni Co., The, Brooklyn, N. Y. "Tripoli Brand." (For Macaroni.) No. 18,037; Oct. 13; Gaz. vol. 207; p. 607.
- Scher, Emil M., and H. P. Skourup, Chicago, Ill. "909 'One's Enough.'" (For Medicines.) No. 18,038; Oct. 13; Gaz. vol. 207; p. 607.
- Schermerhorn Brothers Company, Omaha, Nebr. "Nippin." (For Toilet-Paper.) No. 17,745; May 26; Gaz. vol. 202; p. 1257.
- Schermerhorn Brothers Company, Omaha, Nebr. "Osaki." (For Toilet-Paper.) No. 17,791; June 16; Gaz. vol. 203; p. 927.
- Schermerhorn Brothers Company, Omaha, Nebr. "Ben Hur." (For Toilet-Paper.) No. 17,792; June 16; Gaz. vol. 203; p. 927.
- Schermerhorn Brothers Company, Omaha, Nebr. "Silver Band." (For Toilet-Paper.) No. 17,793; June 16; Gaz. vol. 203; p. 927.
- Schermerhorn Brothers Company, Omaha, Nebr. "Snow Crepe." (For Toilet-Paper.) No. 17,794; June 16; Gaz. vol. 203; p. 927.
- Schinasi Bros., New York, N. Y. "Egyptian Prettiest." (For Cigarettes.) No. 17,513; Feb. 3; Gaz. vol. 199; p. 305.
- Schmidt Bros., Machine Works, Inc., New York, N. Y. "U. S. Tireless Spinner Top." (For Tops.) No. 17,928; Aug. 18; Gaz. vol. 205; p. 1019.
- Schulze, Paul, Kenilworth, Ill. "Pan Dandy Bread." (For Bread.) No. 17,702; May 12; Gaz. vol. 202; p. 630.
- Schulze, Paul, Chicago, Ill. "Genuine Butter-Nut Bread." (For Bread.) No. 17,746; May 26; Gaz. vol. 202; p. 1257.
- Schulze, Paul, Chicago, Ill. "Prince Henry Rye." (For Bread.) No. 17,747; May 26; Gaz. vol. 202; p. 1257.
- Schulze, Paul, Chicago, Ill. "Schulze's Nature Bread." (For Bread.) No. 17,814; June 23; Gaz. vol. 203; p. 1259.
- Scorsone Brothers, St. Antonio-Angio, Italy. "Flli Scorsone." (For Tomato Paste.) No. 17,956; Sept. 1; Gaz. vol. 206; p. 311.
- Scott, F. L., Cincinnati, Ohio. "Scotmints." (For Peppermints.) No. 17,514; Feb. 3; Gaz. vol. 199; p. 305.
- Scott Paper Company, Philadelphia, Pa. "Bonafid." (For Toilet-Paper.) No. 17,479; Jan. 20; Gaz. vol. 198; p. 701.
- Scott, William, New York, N. Y. "Drink Gray Ape Grape Syrup." (For Grape-Syrup.) No. 17,835; July 7; Gaz. vol. 204; p. 317.
- Segal Bros., Philadelphia, Pa. "Simplicity." (For Children's Underwear Suits.) No. 18,136; Nov. 24; Gaz. vol. 208; p. 1354.
- Seidman Company, The, Charles, Philadelphia, Pa. "Perfection Knitted Scarf." (For Knitted Scarfs.) No. 17,582; Feb. 24; Gaz. vol. 199; p. 1242.
- Shannon & Mott Company, Des Moines, Iowa. "It Has The Old Style Sweetness." (For Meal.) No. 17,929; Aug. 18; Gaz. vol. 205; p. 1019.
- Shelby Cigar Co., The, Shelby, Ohio. "Seeandbee." (For Cigars.) No. 17,795; June 16; Gaz. vol. 203; p. 927.
- Sherin, Henry, New York, N. Y. "Radiumeter." (For Metal Chemical-Containers.) No. 17,796; June 16; Gaz. vol. 203; p. 927.
- Silverberg Import Co., New York, N. Y. "Fedora Dress Lox." (For Garment-Fasteners.) No. 17,633; Mar. 31; Gaz. vol. 200; p. 1389.
- Sims Cereal Company, Inc., Minneapolis, Minn. "Say Sims." (For Breakfast Food.) No. 18,152; Dec. 15; Gaz. vol. 209; p. 1051.
- Siska, Frank, Chicago, Ill. "Britanica." (For Cigars.) No. 17,893; Aug. 4; Gaz. vol. 205; p. 303.
- Skourup, H. P. (See Scher and Skourup.)
- Smith, David A., Wonder, Nev. "P-A-P-P Preventoline Antiseptic Pocket Packet." (For an Antiseptic.) No. 17,872; July 28; Gaz. vol. 204; p. 1343.
- Smith, De Wane B., Utica, N. Y. "The Canvas Tread Tire." (For Canvas-Tread Tires.) No. 18,108; Nov. 10; Gaz. vol. 208; p. 654.
- Smucker, Jerome M., Orrville, Ohio. "Smucker's Apple Butter." (For Apple-Butter.) No. 18,039; Oct. 13; Gaz. vol. 207; p. 607.
- Societe Anonyme de la Distillerie de la Liqueur Bene dictine de L'Abbaye de Fecamp, Fecamp, France. "Véritable Benedictine." (For a Cordial.) No. 18,000; Sept. 22; Gaz. vol. 206; p. 1160.
- Sol Duc Hot Springs Company, Seattle, Wash. "Sol Duc Natural Mineral Water Carbonated." (For Mineral Water.) No. 17,703; May 12; Gaz. vol. 202; p. 630.
- Sol Duc Hot Springs Company, Seattle Wash. "Sol Duc Magical Natural Mineral Water." (For Mineral Water.) No. 17,704; May 12; Gaz. vol. 202; p. 630.
- Sommer, Adolph, Cambridge, Mass. "Viscol." (For Viscol for Shoes and Harness.) No. 17,676; Apr. 28; Gaz. vol. 201; p. 1218.
- Sonoma County Poultry Producers' Federation, Petaluma, Cal. "Everbest Eggs." (For Eggs.) No. 17,873; July 28; Gaz. vol. 204; p. 1343.
- South Coast Canning Co. Inc., Longbeach, Cal. "Avalon." (For Canned Tuna-Fish.) No. 17,813; June 23; Gaz. vol. 203; p. 1259.
- Southern California Music Company, Los Angeles, Cal. "Perfection." (For Violin-Strings.) No. 17,592; Mar. 3; Gaz. vol. 200; p. 278.
- Southern California Music Company, Los Angeles, Cal. "Paganini." (For Violin-Strings.) No. 17,593; Mar. 3; Gaz. vol. 200; p. 278.
- Southern California Music Company, Los Angeles, Cal. "Green Dragon." (For Violin-Strings.) No. 17,957; Sept. 1; Gaz. vol. 206; p. 311.
- Southern Fruit Julep Company, Fort Worth, Tex. "Howel's Orange-Julep The Original." (For Orange Julep.) No. 17,594; Mar. 3; Gaz. vol. 200; p. 278.

- Sparks Milling Company, Terre Haute, Ind., and Alton, Ill. "Sparkplug." (For Self-Rising Flour. No. 17,549; Feb. 10; Gaz. vol. 199; p. 615.
- Spiltoir, Gustave E., New York, N. Y. "Sweet Lavander Face Powder." (For Face-Powder.) No. 17,766; June 2; Gaz. vol. 203; p. 303.
- Stafford, D. Y., Marshfield, Oreg. "Hi-Tone." (For Chocolates, Chocolate Creams, Chocolate Candies, and Chocolate-Coated Fruits.) No. 17,550; Feb. 10; Gaz. vol. 199; p. 615.
- Stallwitz, August, Morris, Ill. "Re-Vive-It." (For a Cleaning and Polishing Compound.) No. 18,083; Nov. 3; Gaz. vol. 208; p. 336.
- Standard Pickle Co., Inc., The, Hartford, Conn. "Standard Delicious Pickles." (For Sweet Mixed Pickles.) No. 18,041; Oct. 13; Gaz. vol. 207; p. 607.
- Standard Pickle Co., Inc., The, Hartford, Conn. "Standard Laundry Bluing." (For Laundry Bluing.) No. 18,084; Nov. 3; Gaz. vol. 208; p. 336.
- Star Brewing Co., The, Minster, Ohio. "Minster." (For Beer.) No. 17,515; Feb. 3; Gaz. vol. 199; p. 305.
- Stark Distillery Co., St. Louis, Mo. "Gasconade Whiskey." (For Whisky.) No. 17,677; Apr. 28; Gaz. vol. 201; p. 1218.
- Stark Distillery Co., St. Louis, Mo. "Old Gobbler Whiskey." (For Whiskies.) No. 18,001; Sept. 22; Gaz. vol. 206; p. 1160.
- Stark Distillery Co., St. Louis, Mo. "Habatonka Whiskey." (For Whiskies.) No. 18,002; Sept. 22; Gaz. vol. 206; p. 1160.
- Stefanowski, Anthony, Detroit, Mich. "Asche Kayton." (For Cigars.) No. 17,855; July 14; Gaz. vol. 204; p. 673.
- Steiger, George W., New York, N. Y. "Nutrito." (For a Grape Tonic.) No. 17,892; Aug. 4; Gaz. vol. 205; p. 303.
- Steiner, Emil E., Lowell, Wash. "Steiner's Calcio-Iron-Tonic." (For Calcio Iron Tonic.) No. 17,748; May 26; Gaz. vol. 202; p. 1257.
- Stelwagon Manufacturing Co., Philadelphia, Pa. "Stelwagon Special Pitch." (For Pitch.) No. 18,137; Nov. 24; Gaz. vol. 203; p. 1354.
- Stelwagon Manufacturing Co., Philadelphia, Pa. "Stelwagon Special Tarred Felt." (For Tarred Felt.) No. 18,138; Nov. 24; Gaz. vol. 208; p. 1354.
- Stout, John C., Lima, Ohio. "Dr. Collett's Pile Remedy." (For a Medicinal Preparation.) No. 17,705; May 12; Gaz. vol. 202; p. 630.
- Stuart, Charles R., Los Angeles, Cal. "Soil-Tone." (For a Mineral Fertilizer.) No. 18,042; Oct. 13; Gaz. vol. 207; p. 607.
- Stuart, Frank A., Marshall, Mich. "Blue Rose Brand." (For Fruits.) No. 18,043; Oct. 13; Gaz. vol. 207; p. 607.
- Stuart & O'Brien, Paris, Ky. "Kentucky Blue Grass Lawn Seed." (For Grass-Seed.) No. 17,600; Mar. 10; Gaz. vol. 200; p. 580.
- Superior Oil Finish Co., Columbus, Ohio. "Kimble's Superior Red Oil Finish." (For a Cleaning and Polishing Compound.) No. 17,749; May 26; Gaz. vol. 202; p. 1257.
- Tahl, Isidor, New York, N. Y. "Tahl's Sanitary Berry, Ice Cream, & Salad Sets." (For Berry, Ice-Cream, and Salad Sets.) No. 17,706; May 12; Gaz. vol. 202; p. 630.
- Tait, Alfred D., Evanston, Ill. "Rice-Toast." (For Rice Toasted.) No. 17,750; May 26; Gaz. vol. 202; p. 1257.
- Tasker, Lawrence H., New York, N. Y. "Sunnymead Brand Best in the Land." (For Fruits, Vegetables, Dairy Products, Grain, and Poultry.) No. 17,707; May 12; Gaz. vol. 202; p. 630.
- Taylor, Milton M., Tampa, Fla. "Taylor's Best Blood Medicine." (For Medicine.) No. 17,930; Aug. 18; Gaz. vol. 205; p. 1019.
- Thiele Laboratories Company, The, Columbus, Ohio. "544." (For a Remedy for Hog-Cholera.) No. 17,874; July 28; Gaz. vol. 204; p. 1343.
- Thompson, Arthur R., San Jose, Cal. "Sun Brand." (For Dried Fruits.) No. 18,140; Nov. 24; Gaz. vol. 208; p. 1354.
- Thumb, Eugene W., Chicago, Ill. "Sun-Shine." (For Furniture and Brass Polish.) No. 17,634; Mar. 31; Gaz. vol. 200; p. 1389.
- Treiber, Theodore R., Kansas City, Mo. "Tip Silica." (For Silica.) No. 17,797; June 16; Gaz. vol. 203; p. 927.
- Tribble, Walter, Oakland, Cal. "The Standard Carrier." (For Carriers.) No. 17,767; June 2; Gaz. vol. 203; p. 303.
- Trier-Stanley Company, Chicago, Ill. "Morning Star." (For Coffee.) No. 17,551; Feb. 10; Gaz. vol. 199; p. 615.
- Trier-Stanley Company, Chicago, Ill. "Radio." (For Coffee.) No. 17,562; Feb. 17; Gaz. vol. 199; p. 937.
- Trier-Stanley Company, Chicago, Ill. "Enchantment." (For Tea.) No. 17,708; May 12; Gaz. vol. 202; p. 630.
- Triplex Biscuit Co. Inc., Buffalo, N. Y. "Triplex Biscuit." (For Biscuit.) No. 17,958; Sept. 1; Gaz. vol. 206; p. 311.
- Tuttle Press Company, The, Appleton, Wis. "White Rose." (For Toilet-Paper.) No. 17,516; Feb. 3; Gaz. vol. 199; p. 305.
- 20th Century Manufacturing Co., Sacramento, Cal. "20th Century Mfg. Co.'s Sanitary Floor Dressing." (For Floor-Polish, Floor-Oils, and Sweeping Compounds.) No. 17,526; Feb. 10; Gaz. vol. 199; p. 615.
- 20th Century Manufacturing Co., Sacramento, Cal. "20th Century Manufacturing Co.'s 20th Century Never-Leak Radiator Compound." (For Radiator Compounds.) No. 17,527; Feb. 10; Gaz. vol. 199; p. 615.
- Twin City Chemical Co., Minneapolis, Minn. "Zieve's Fruit Nectar Compound." (For a Fruit Compound.) No. 18,085; Nov. 3; Gaz. vol. 208; p. 336.
- U. S. Hame Company, Buffalo, N. Y. "The Lone Star Adjustable Draft Hame." (For Hames.) No. 17,984; Sept. 15; Gaz. vol. 206; p. 875.
- U. S. Hame Company, Buffalo, N. Y. "No. 568 All Steel Hame Concord Dandy." (For Hames.) No. 17,985; Sept. 15; Gaz. vol. 206; p. 875.
- U. S. Hame Company, Buffalo, N. Y. "No. 568 All Steel Hame Concord High Top." (For Hames.) No. 17,986; Sept. 15; Gaz. vol. 206; p. 875.
- U. S. Hame Company, Buffalo, N. Y. "No. 568 All Steel Hame Concord Favorite." (For Hames.) No. 17,987; Sept. 15; Gaz. vol. 206; p. 875.
- Ulman & Sons, I., Baltimore, Md. "Wicomico Club." (For Rye Whisky.) No. 17,856; July 14; Gaz. vol. 204; p. 673.
- Ulman & Sons, I., Baltimore, Md. "Golden Spray." (For Rye Whisky.) No. 17,857; July 14; Gaz. vol. 204; p. 673.
- Ulman & Sons, I., Baltimore, Md. "Old Davy." (For 100-Proof Whisky.) No. 17,858; July 14; Gaz. vol. 204; p. 673.
- Ulman & Sons, I., Baltimore, Md. "Ulman's Coon-Club." (For Rye Whisky.) No. 17,859; July 14; Gaz. vol. 204; p. 673.
- Ulman & Sons, I., Baltimore, Md. "M. D. & V. Club." (For Straight Whisky.) No. 17,860; July 14; Gaz. vol. 204; p. 673.
- Ulman & Sons, I., Baltimore, Md. "Fairfield." (For Whisky.) No. 17,875; July 28; Gaz. vol. 204; p. 1343.
- United Paint Co., The, Bridgeport, Conn. "Double Shield." (For Paints.) No. 17,933; Aug. 18; Gaz. vol. 205; p. 1019.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. "Knu-Shu." (For Footwear.) No. 18,141; Nov. 24; Gaz. vol. 208; p. 1354.
- United States Tropical Food Co., Malden, Mass. "Ban-Na-Nena." (For Banana Food Product.) No. 18,142; Nov. 24; Gaz. vol. 208; p. 1354.
- Vail Brothers, Philadelphia, Pa. "Essavie's." (For Complexion-Powder.) No. 17,679; Apr. 28; Gaz. vol. 201; p. 1218.
- Valentine & Company, New York, N. Y. "The Test!" (For Varnish or Painting Material.) No. 17,635; Mar. 31; Gaz. vol. 200; p. 1389.
- Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Spaghetti." (For Spaghetti.) No. 17,480; Jan. 20; Gaz. vol. 198; p. 701.
- Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Chile Con Carne." (For Chilli-Con-Carne.) No. 17,709; May 12; Gaz. vol. 202; p. 630.
- Van Camp Sea Food Company, Los Angeles and San Pedro, Cal. "Tuna." (For Tinned Sea-Fish.) No. 18,044; Oct. 13; Gaz. vol. 207; p. 607.
- Van Derslice, Earl P., Chicago, Ill. "Nusilk Hosiery." (For Hosiery.) No. 18,086; Nov. 3; Gaz. vol. 208; p. 337.
- Velvet Cleanser Co., Inc., Washington, D. C. "Velvet Hand Cleanser." (For a Hand-Cleaner.) No. 17,959; Sept. 1; Gaz. vol. 206; p. 311.
- Volter, Adolph, New York, N. Y. "Amerigo Vespucci." (For Vermuth.) No. 17,710; May 12; Gaz. vol. 202; p. 630.
- W. J. Armstrong Company, Waseca, Minn. "Lotus Club." (For Cigars.) No. 17,716; May 26; Gaz. vol. 202; p. 1257.
- Wagner, Moses, New York, N. Y. "Cannon Roach and Bed Bug Powder." (For an Insecticide.) No. 17,861; July 14; Gaz. vol. 204; p. 673.
- Wahrer, Geo. F., Waukesha, Wis. "Magnesia Spring." (For Spring-Water.) No. 18,087; Nov. 3; Gaz. vol. 208; p. 337.
- Wahrman, Arthur, Houston, Tex. "First National Bank." (For Metal-Polish.) No. 17,836; July 7; Gaz. vol. 204; p. 317.
- Walter M. Lowney Company, The, Boston, Mass. "Lowney's Assorted Chocolates." (For Lowney's Assorted Chocolates.) Nos. 17,467-9; Jan. 20; Gaz. vol. 198; p. 701.
- Ward Baking Company, New York, N. Y. "Ward's Fine Cakes." (For Cake.) No. 18,088; Nov. 3; Gaz. vol. 208; p. 337.
- Warfield-Pratt-Howell-Co., Des Moines, Iowa. "The North-Western Brand." (For Flour.) No. 17,798; June 16; Gaz. vol. 203; p. 927.
- Waxit Manufacturing Co., Minneapolis, Minn. "Waxit." (For Furniture and Automobile Polish.) No. 18,158; Dec. 22; Gaz. vol. 209; p. 1315.

Alphabetical list of registrants of labels—Continued.

- Wayne County Driers and Packers Fruit Co., Rochester, N. Y. "Evaporated Winter Apples." (For Evaporated Apples.) No. 17,711; May 12; Gaz. vol. 202; p. 630.
- Weber, Angelika, Pittsburgh, Pa. "Weber's Ointment." (For Ointment.) No. 17,899; Aug. 11; Gaz. vol. 205; p. 660.
- Wechsler & Sterling, Indiana Harbor, Ind. "Boosters." (For Cigars.) No. 17,563; Feb. 17; Gaz. vol. 199; p. 937.
- Welch Grape Juice Company, The, Westfield, N. Y. "Welch's—The National Drink." For Unfermented Grape-Juice.) No. 18,089; Nov. 3; Gaz. vol. 208; p. 337.
- Weldon, Henry J., New Rochelle, N. Y. "Aunt Ann's Pure Baking Powder." (For Baking-Powder.) No. 17,518; Feb. 3; Gaz. vol. 199; p. 305.
- Westerfeld, Gustav, Trinidad, Colo. "Commercial Bouquet." (For Cigars.) No. 17,583; Feb. 24; Gaz. vol. 199; p. 1242.
- Western Coffee Co., El Paso, Tex. "El Trado." (For a Coffee Compound.) No. 17,815; June 23; Gaz. vol. 203; p. 1259.
- Western Coffee Company, The, El Paso, Tex. "President." (For Coffee.) No. 18,159; Dec. 22; Gaz. vol. 209; p. 1315.
- Western Coffee Company, The, El Paso, Tex. "El Trado." (For Coffee.) No. 18,160; Dec. 22; Gaz. vol. 209; p. 1315.
- Western Coffee Company, The, El Paso, Tex. "Statesman." (For Coffee.) No. 18,161; Dec. 22; Gaz. vol. 209; p. 1315.
- Western Coffee Company, The, El Paso, Tex. "Ambassador." (For Coffee.) No. 18,162; Dec. 22; Gaz. vol. 209; p. 1315.
- Western Furniture & Manufacturing Co., Lincoln, Nebr. "Bonded Re-Enforced Felt Mattress." (For Mattresses.) No. 17,519; Feb. 3; Gaz. vol. 199; p. 305.
- Wetterer Brewing Co., The, Cincinnati, Ohio. "Queen City." (For Beer.) No. 17,988; Sept. 15; Gaz. vol. 206; p. 875.
- Wetterer Brewing Co., The, Cincinnati, Ohio. "Royal Seal." (For Beer.) No. 17,989; Sept. 15; Gaz. vol. 206; p. 875.
- Wetterer, Joseph, New York, N. Y. "Boilo." (For a Remedy for Boils.) No. 17,564; Feb. 17; Gaz. vol. 199; p. 937.
- Whitcomb, L. P., Oshkosh, Wis. "Baby Bounce." (For Baby-Jumpers or Infant-Exercisers.) No. 17,877; July 28; Gaz. vol. 204; p. 1343.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "The Paper City Tablet." (For Writing-Tablets.) No. 17,584; Feb. 24; Gaz. vol. 199; p. 1242.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Bluebird Writing Tablet." (For Writing-Tablets.) No. 17,585; Feb. 24; Gaz. vol. 199; p. 1242.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Independence Writing Tablet." (For Writing-Tablets.) No. 17,586; Feb. 24; Gaz. vol. 199; p. 1242.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "High School Writing Tablet." (For Writing-Tablets.) No. 17,587; Feb. 24; Gaz. vol. 199; p. 1242.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Bank Note Writing Tablet." (For Writing-Tablets.) No. 17,588; Feb. 24; Gaz. vol. 199; p. 1242.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Society Linen Stationery of Refinement." (For Stationery.) No. 17,643; Apr. 7; Gaz. vol. 201; p. 266.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Blue Book Fine Cambric." (For Fine Stationery.) No. 17,658; Apr. 14; Gaz. vol. 201; p. 568.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Arabian Tapestry." (For Fine Stationery.) No. 17,659; Apr. 14; Gaz. vol. 201; p. 568.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Emerald Irish Linen." (For Fine Stationery.) No. 17,660; Apr. 14; Gaz. vol. 201; p. 568.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Peerage Linen." (For Fine Stationery.) No. 17,661; Apr. 14; Gaz. vol. 201; p. 568.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Sèvres Superfine." (For Fine Stationery.) No. 17,662; Apr. 14; Gaz. vol. 201; p. 568.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Florentine Ivory." (For Fine Stationery.) No. 17,837; July 7; Gaz. vol. 204; p. 317.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Exposition Stationery." (For Fine Stationery.) No. 17,878; July 28; Gaz. vol. 204; p. 1343.
- Wiedmann-St. Louis Cigar Box Co., St. Louis, Mo. "Adolphus Busch." (For Cigars.) No. 17,612; Mar. 24; Gaz. vol. 200; p. 1113.
- Wiedmann-St. Louis Cigar Box Co., St. Louis, Mo. "Security Seal." (For Cigars.) No. 17,799; June 16; Gaz. vol. 203; p. 927.
- Wiedmann-St. Louis Cigar Box Company, The, St. Louis, Mo. "Hyde Park." (For Cigars.) No. 17,768; June 2; Gaz. vol. 203; p. 303.
- Wilcox, J. Fred, Chicago, Ill. "All 'Round The World." (For Cigars.) No. 17,862; July 14; Gaz. vol. 204; p. 673.
- Wilkes-Barre Chemical Co., Wilkes-Barre, Pa. "White Polar Bear Blueing." (For Blueing.) No. 17,712; May 12; Gaz. vol. 202; p. 630.
- William McMurray & Company, St. Paul, Minn. "McMurray's Chocolate Icing." (For Chocolate Icing.) No. 17,851; July 14; Gaz. vol. 204; p. 673.
- Williams Ice Cream Co., Scranton, Pa. "A Surety of Purity." (For Ice-Cream.) No. 17,552; Feb. 10; Gaz. vol. 199; p. 615.
- Wolf, Charles A., Philadelphia, Pa. "Society-Brown." (For Face-Powder.) No. 18,094; Nov. 3; Gaz. vol. 208; p. 337.
- Wood Renew Manufacturing Co., Escanaba, Mich. "Liquid Wood Renew." (For Furniture-Polish.) No. 18,045; Oct. 13; Gaz. vol. 207; p. 607.
- Wright, Richard B., Brentwood, N. Y. "Aphidspra." (For an Insecticide.) No. 18,095; Nov. 3; Gaz. vol. 208; p. 337.
- Yeastless Baking Co., The, Louisville, Ky. "Yeastless Bread." (For Bread.) No. 17,644; Apr. 7; Gaz. vol. 201; p. 266.
- Yecker Chocolate Company, Inc., New York, N. Y. "Chocolate Almond Wafer." (For Chocolate Almond Wafers.) No. 17,636; Mar. 31; Gaz. vol. 200; p. 1389.
- Yocum, Joseph V., Cleveland, Ohio. "Zapo." (For a Window-Cleaning Compound.) No. 17,800; June 16; Gaz. vol. 203; p. 927.
- York-Bradford Co., San Francisco, Cal. "Butter Custard." (For Butter Custard.) No. 17,863; July 14; Gaz. vol. 204; p. 673.
- Young, Clarence. (See Gray Lithograph Company, The, assignor.)
- Zoellner, Wm., St. Louis, Mo. "Hyde Park." (For Cigars.) No. 17,769; June 2; Gaz. vol. 203; p. 303.

PRINTS.

- A. Schrader's Son, Inc., New York, N. Y. "Schrader Universal Tire Pressure Gauge." (For Tire Pressure-Gages.) No. 3,539; Mar. 31; Gaz. vol. 200; p. 1389.
- Abbott & Company, A. Theodore, Philadelphia, Pa. "Kopock." (For Draperies and other Silks.) No. 3,591; May 26; Gaz. vol. 202; p. 1258.
- Adams, Cushing & Foster, Inc., Boston, Mass. "Moore's Non-Leakable Fountain Pen." (For Fountain-Pens.) No. 3,792; Dec. 22; Gaz. vol. 209; p. 1315.
- Albert Pick & Company, Chicago, Ill. "The Bulge Protects the Edge." (For Drinking-Glasses.) Nos. 3,586-7; May 12; Gaz. vol. 202; p. 630.
- Albert Pick & Company, Chicago, Ill. "The Bulge Protects the Edge." (For Drinking-Glasses.) No. 3,707; Aug. 18; Gaz. vol. 205; p. 1020.
- American Art Works, The, Coshocton, Ohio. "Diamond Dyes." (For Dyes.) No. 3,542; Apr. 7; Gaz. vol. 201; p. 266.
- American Art Works, The, Coshocton, Ohio. "Lighting Up." (For Cigars.) No. 3,574; May 12; Gaz. vol. 202; p. 630.
- Anheuser Busch Brewing Assn., St. Louis, Mo. "Budweiser Honored By All Nations." (For Beer.) No. 3,720; Sept. 15; Gaz. vol. 206; p. 876.
- Arbuckle Brothers, New York, N. Y., and Chicago, Ill. "Arbuckle Brand Teas." (For Teas.) No. 3,693; Aug. 18; Gaz. vol. 205; p. 1020.
- Armour and Company, Chicago, Ill. "Girl Making A Grape Punch." (For Grape-Juice.) No. 3,460; Jan. 20; Gaz. vol. 198; p. 702.
- Astruck, John H., New York, N. Y. "J. H. A. Automatic Cigar Cutter." (For Cigar-Cutters.) No. 3,757; Nov. 3; Gaz. vol. 208; p. 338.
- Auto Parts Co., Chicago, Ill. "Auto Parts Co." (For Auto Parts.) No. 3,517; Mar. 3; Gaz. vol. 200; p. 278.
- Auto Strop Safety Razor Co., New York, N. Y. "500 Shaves Guaranteed From 12 Blades The Razor that takes the 'H' out of shave." (For Safety-Razors.) No. 3,654; July 7; Gaz. vol. 204; p. 318.
- B. V. D. Company, The, New York, N. Y. "B. V. D. 1914 Two-Piece Suit." (For Athletic Underwear.) No. 3,475; Jan. 27; Gaz. vol. 198; p. 896.
- B. V. D. Company, The, New York, N. Y. "B. V. D. 1914 Union Suit." (For Athletic Underwear.) No. 3,476; Jan. 27; Gaz. vol. 198; p. 896.
- B. V. D. Company, The, New York, N. Y. "For All-Day Comfort, Wear B. V. D." (For Athletic Underwear.) No. 3,575; May 12; Gaz. vol. 202; p. 630.
- B. V. D. Company, The, New York, N. Y. "In Union There Is Strength." (For Athletic Underwear.) No. 3,576; May 12; Gaz. vol. 202; p. 630.
- B. V. D. Company, The, New York, N. Y. "First on in the Morning Last off at Night." (For Athletic Underwear.) No. 3,592; May 26; Gaz. vol. 202; p. 1258.
- B. V. D. Company, The, New York, N. Y. "Get 'Next' to B. V. D." (For Athletic Underwear.) No. 3,593; May 26; Gaz. vol. 202; p. 1258.
- B. V. D. Company, The, New York, N. Y. "On Speaking Terms with the Weather Man." (For Athletic Underwear.) No. 3,594; May 26; Gaz. vol. 202; p. 1258.
- B. V. D. Company, The, New York, N. Y. "Sleep?—That's our Long Suit." (For Sleeping-Suits.) No. 3,595; May 26; Gaz. vol. 202; p. 1258.
- B. V. D. Company, The, New York, N. Y. "Pleasant Dreams." (For Sleeping-Suits.) No. 3,596; May 26; Gaz. vol. 202; p. 1258.
- B. V. D. Company, The, New York, N. Y. "A Contract for Cool Comfort." (For Athletic Underwear.) No. 3,597; May 26; Gaz. vol. 202; p. 1258.
- B. V. D. Company, The, New York, N. Y. "Take a Little Tip from Father." (For Athletic Underwear.) No. 3,598; May 26; Gaz. vol. 202; p. 1258.
- B. V. D. Company, The, New York, N. Y. "The Boy Is Father of the Man." (For Athletic Underwear.) No. 3,599; May 26; Gaz. vol. 202; p. 1258.
- B. V. D. Company, The, New York, N. Y. "There's B. V. D. Delight." (For Sleeping-Suits.) No. 3,600; May 26; Gaz. vol. 202; p. 1258.
- B. V. D. Company, The, New York, N. Y. "The Joke—He Never Thought Of B. V. D." (For Athletic Underwear.) No. 3,616; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "Look, What a Grouch! He Hasn't B. V. D. On." (For Athletic Underwear.) No. 3,617; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "There's 'An Ocean Of Comfort' In B. V. D." (For Athletic Underwear.) No. 3,618; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "When Is a Picnic No 'Picnic'?—Without B. V. D." (For Athletic Underwear.) No. 3,619; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "'No Fun' Says He, 'Unless You Wear B. V. D.'" (For Athletic Underwear.) No. 3,620; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "He Mops In Misery Without B. V. D." (For Athletic Underwear.) No. 3,621; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "Wind up the day and the clock 'feeling fine.'" (For Athletic Underwear.) No. 3,622; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "Up with the lark." (For Athletic Underwear.) No. 3,623; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "Some muscle, eh!" (For Athletic Underwear.) No. 3,624; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "'Bad day' at the office?" (For Athletic Underwear.) No. 3,625; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "On a 'sizzler' of an evening." (For Athletic Underwear.) No. 3,626; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "Put out o' bed." (For Athletic Underwear.) No. 3,627; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "Clock points to 4—." (For Athletic Underwear.) No. 3,628; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "Go on!—'chuck the game' in the baking town." (For Athletic Undergarment.) No. 3,629; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "Fifteen, thirty, forty, deuce, vantage, game." (For Athletic Underwear.) No. 3,630; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "Get down to 'net weight.'" (For Athletic Underwear.) No. 3,631; June 2; Gaz. vol. 203; p. 304.
- B. V. D. Company, The, New York, N. Y. "B. V. D. 1914 Youth's Union Suit." (For Athletic Underwear.) No. 3,721; Sept. 15; Gaz. vol. 206; p. 876.
- Barclay & Co., New York, N. Y. "Tricofero de Barry." (For a Hair-Tonic.) No. 3,680; July 28; Gaz. vol. 204; p. 1343.
- Barclay & Co., New York, N. Y. "Qué Contento." (For Soap.) No. 3,681; July 28; Gaz. vol. 204; p. 1343.
- Barclay & Co., New York, N. Y. "Reuter's Soap." (For Soap.) No. 3,682; July 28; Gaz. vol. 204; p. 1343.
- Barrett Manufacturing Company, New York, N. Y. "Pyxol." (For Disinfectants.) No. 3,638; June 16; Gaz. vol. 203; p. 928.
- Bauman, Abraham, New York, N. Y. "Admiration Outfit." (For Clothing.) No. 3,715; Sept. 1; Gaz. vol. 206; p. 311.
- Berriman Bros., Chicago, Ill. "Berriman Brothers United States Bonded Cigar Factory." (For Cigars.) No. 3,505; Feb. 24; Gaz. vol. 199; p. 1242.
- Beverwyck Brewing Co., Albany, N. Y. "Famous Beverwyck Beer." (For Beer.) No. 3,532; Mar. 31; Gaz. vol. 200; p. 1389.
- Brokaw-Eden Mfg. Co., Chicago, Ill. "Let the Eden Turn Your Wash Days into Play Days." (For Washing and Wringing Machines.) No. 3,649; June 23; Gaz. vol. 203; p. 1259.
- Brooke & Sons, C. M., New York, N. Y. "Brooke's Lemos." (For Lemonade.) No. 3,655; July 7; Gaz. vol. 204; p. 318.
- Bryant Electric Company, The, Bridgeport, Conn. "New Wrinkle." (For Electric Fittings.) No. 3,496; Feb. 10; Gaz. vol. 199; p. 616.
- Bunte Brothers, Chicago, Ill. "Bunte Marshmallows." (For Marshmallows.) Nos. 3,608-15; June 2; Gaz. vol. 203; p. 304.
- Burroughs Wellcome & Co., New York, N. Y. "Hazeline." (For Hazeline Cream.) No. 3,589; May 12; Gaz. vol. 202; p. 630.
- Burton Bros. & Co., New York, N. Y. "Kate Greenaways." (For Burton's Fabrics.) No. 3,461; Jan. 20; Gaz. vol. 198; p. 702.
- C. Reiss Coal Co., The, Sheboygan, Manitowoc, Two Rivers, Green Bay, Ashland, and Superior, Wis.; Escanaba, Mich., and Waukegan, Ill. "Derby." (For Coal.) No. 3,786; Nov. 24; Gaz. vol. 208; p. 1354.
- C. A. Myers Company, Inc., Chicago, Ill. "Pictorial Illustration of the Myers Sewing Awl." (For Sewing-Awls.) No. 3,524; Mar. 10; Gaz. vol. 200; p. 580.
- C. F. Mueller Co., Jersey City, N. J. "Mueller's Egg Noodles." (For Egg-Noodles.) No. 3,490; Feb. 3; Gaz. vol. 199; p. 305.

- C. J. Netting Co., The, Detroit, Mich. "Our Lights Shine Everywhere." (For Lighting-Fixtures.) No. 3,706; Aug. 18; Gaz. vol. 205; p. 1020.
- C. M. Moderwell & Company, Chicago, Ill. "Christopher Coal." (For Coal.) No. 3,644; June 16; Gaz. vol. 203; p. 928.
- C. P. Goerz American Optical Co., New York, N. Y. "Goerz V. P. Roll Film Tenax." (For Photographic Films.) No. 3,749; Oct. 13; Gaz. vol. 207; p. 608.
- Cable Company, The, Chicago, Ill. "Carola Inner-Player." (For Player-Pianos.) No. 3,577; May 12; Gaz. vol. 202; p. 630.
- Campbell Bosworth Machinery Company, Boston, Mass. "Campbell." (For Sewing-Machines.) No. 3,746; Oct. 13; Gaz. vol. 207; p. 608.
- Campbell, Paul T., Springfield, Mass. "Campbell's White Spark Plug." (For Spark-Plugs.) No. 3,578; May 12; Gaz. vol. 202; p. 630.
- Canton Culvert & Silo Company, The, Canton, Ohio. "Sterling for Silver, Karat for Gold and No-Co-Ro Metal." (For Sheet Metal.) No. 3,784; Nov. 24; Gaz. vol. 208; p. 1354.
- Centralene Oil Company, Galesburg, Ill. "Centralene Oils, 'Power In Every Drop.'" (For Oils.) No. 3,694; Aug. 18; Gaz. vol. 205; p. 1020.
- Charles E. Hires Company, Philadelphia, Pa. "No! Rollo—" (For Root-Beer.) No. 3,558; Apr. 14; Gaz. vol. 201; p. 568.
- Chesebrough Manufacturing Co., Consolidated, New York, N. Y. "Vaseline." (For Vaseline.) Nos. 3,543-4; Apr. 7; Gaz. vol. 201; p. 266.
- Clafin, Scott & Hill, Chicago, Ill. "Maxam The New Hair Tonic." (For Hair-Tonic.) No. 3,506; Feb. 24; Gaz. vol. 199; p. 1242.
- Cluett, Peabody & Co., Inc., Troy, N. Y. "'Standish' the new Arrow Collar." (For Collars.) No. 3,695; Aug. 18; Gaz. vol. 205; p. 1020.
- Cluett, Peabody & Co., Inc., Troy, N. Y. "Arrow Silk Shirts." (For Arrow Silk Shirts.) No. 3,696; Aug. 18; Gaz. vol. 205; p. 1020.
- Cluett, Peabody & Co., Inc., Troy, N. Y. "Arrow Tango Shirts." (For Shirts.) Nos. 3,758-9; Nov. 3; Gaz. vol. 208; p. 338.
- Cluett, Peabody & Co., Inc., Troy, N. Y. "Arrow Shirts." (For Shirts.) Nos. 3,760-3; Nov. 3; Gaz. vol. 208; p. 338.
- Cohen, Samuel W., Des Moines, Iowa. "Modern Drugless Examination." (For Eyeglasses.) No. 3,462; Jan. 20; Gaz. vol. 198; p. 702.
- Columbia Graphophone Company, New York, N. Y. "The Grafonola School-Girl." (For Grafonolas.) No. 3,533; Mar. 31; Gaz. vol. 200; p. 1389.
- Conn. Valley Manufacturing Company, The, Essex and Centerbrook, Conn. "Wright's Patent Expansive Bits." (For Expansive Bits.) No. 3,463; Jan. 20; Gaz. vol. 198; p. 702.
- Conrad Seipp Brewing Co., The, Chicago, Ill. "The Best In The Field Seipp's Hollander Brand Beer." (For Beer.) No. 3,637; June 2; Gaz. vol. 203; p. 304.
- Conrad Seipp Brewing Co., The, Chicago, Ill. "Hollander Brand Beer." (For Beer.) No. 3,688; July 28; Gaz. vol. 204; p. 1343.
- Conrad Seipp Brewing Co., The, Chicago, Ill. "Drink Hollander Beer." (For Beer.) No. 3,739; Sept. 15; Gaz. vol. 206; p. 876.
- Converse Rubber Shoe Co., Malden, Mass. "Tuff-E-Nuff." (For Rubber Tires.) No. 3,639; June 16; Gaz. vol. 203; p. 928.
- Crane, Clarence A., Cleveland, Ohio. "The Debutante." (For Chocolates.) No. 3,545; Apr. 7; Gaz. vol. 201; p. 266.
- Cream of Wheat Co., Minneapolis, Minn. "Sic 'Um, Tige." (For Wheat Breakfast Food.) No. 3,477; Jan. 27; Gaz. vol. 198; p. 896.
- Cream of Wheat Co., Minneapolis, Minn. "'Ah' reckon as how he's de bes known man in de worl." (For Wheat Breakfast Food.) No. 3,557; Apr. 14; Gaz. vol. 201; p. 568.
- Cream of Wheat Co., Minneapolis, Minn. "Dat Cream of Wheat Done Shore Make Him Grow, Missy." (For Wheat Breakfast Food.) No. 3,650; June 23; Gaz. vol. 203; p. 1259.
- Cream of Wheat Co., Minneapolis, Minn. "Look Pleasant, Please." (For Wheat Breakfast Food.) No. 3,672; July 14; Gaz. vol. 204; p. 673.
- Cream of Wheat Co., Minneapolis, Minn. "No, Sah! Ah don't want no 'stubsute.' Ah want Cream o' Wheat." (For Wheat Breakfast Food.) No. 3,697; Aug. 18; Gaz. vol. 205; p. 1020.
- Cream of Wheat Co., Minneapolis, Minn. "The Fortune Teller." (For Wheat Breakfast Food.) No. 3,741; Sept. 22; Gaz. vol. 206; p. 1160.
- Cream of Wheat Co., Minneapolis, Minn. "Giddap, Uncle!" (For Wheat Breakfast Food.) No. 3,764; Nov. 3; Gaz. vol. 208; p. 338.
- Cream of Wheat Co., Minneapolis, Minn. "Ali Baba and the Forty Thieves." (For Wheat Breakfast Food.) No. 3,785; Nov. 24; Gaz. vol. 208; p. 1354.
- Crescent Bread Company, Utica, N. Y. "Just Rite." (For Bread.) No. 3,526; Mar. 24; Gaz. vol. 200; p. 1113.
- Daniel Green Felt Shoe Company, Boston, Mass. "A Man's Solid Comfort." (For Felt Slippers.) No. 3,584; May 12; Gaz. vol. 202; p. 630.
- Dean Electric Company, The, Elyria, Ohio. "Look For 'Dean' Where 'Qualitys' Seen." (For Electrical Apparatus.) No. 3,464; Jan. 20; Gaz. vol. 198; p. 702.
- Depue, William A., Lansing, Mich. "Sanoma." (For Cigars.) No. 3,527; Mar. 24; Gaz. vol. 200; p. 1113.
- Depue, William A., Lansing, Mich. "Ceroma." (For Cigars.) No. 3,534; Mar. 31; Gaz. vol. 200; p. 1389.
- Depue, William A., Lansing, Mich. "Black Diamond." (For Cigars.) No. 3,651; June 23; Gaz. vol. 203; p. 1259.
- Dickey, Walter K., Kansas City, Mo. "Tight as a Jug." (For Silos.) No. 3,692; Aug. 11; Gaz. vol. 205; p. 660.
- Dickinson, E. E., Essex, Conn. "Witchal." (For Witch-Hazel.) No. 3,698; Aug. 18; Gaz. vol. 205; p. 1020.
- Dixie Cotton Felt Mattress Company, Chicago, Ill. "Inner Strap." (For Mattresses.) No. 3,699; Aug. 18; Gaz. vol. 205; p. 1020.
- Dixie Cotton Felt Mattress Company, Chicago, Ill. "Jumbo A Big Mattress for a Little Money." (For Mattresses.) No. 3,700; Aug. 18; Gaz. vol. 205; p. 1020.
- Dodge, Marcellus H., New York, N. Y. "Remington—U M C Firearms—Ammunition." (For Guns and Ammunition.) No. 3,601; May 26; Gaz. vol. 202; p. 1258.
- Donaldson, Malcolm M., New York, N. Y. "On with the Dance." (For Grafonolas.) No. 3,640; June 16; Gaz. vol. 203; p. 928.
- Du Brock, Hugo, Chicago, Ill. "Friendship Peace Love." (For Middy-Blouses.) No. 3,535; Mar. 31; Gaz. vol. 200; p. 1389.
- Duane Pharmacal Company, New York, N. Y. "Algola Pills." (For Pills.) No. 3,716; Sept. 1; Gaz. vol. 206; p. 311.
- Duofold Health Underwear Co., Mohawk, N. Y. "Duofold Health Underwear." (For Underwear.) No. 3,546; Apr. 7; Gaz. vol. 201; p. 266.
- Easton, Spencer G., Philadelphia, Pa. "Criterion Underwear. Cool Comfortable Correct." (For Ladies' Underwear.) No. 3,722; Sept. 15; Gaz. vol. 206; p. 876.
- Eckhard, Joseph J., Alton, Ill. "Re-tan-o." (For Tan Shoe-Dressing.) No. 3,547; Apr. 7; Gaz. vol. 201; p. 266.
- Emmerling Brewing Co., Johnstown, Pa. "'Grossvader' Old German Lager Beer." (For Beer.) No. 3,485; Feb. 3; Gaz. vol. 199; p. 305.
- Essex Rubber Company, Inc., Trenton, N. J. "Essex Rubber Soles." (For Rubber Soles.) No. 3,458; Jan. 13; Gaz. vol. 198; p. 493.
- Essex Rubber Company, Inc., Trenton, N. J. "Essex Rubber Soles Tred-Lite Rubber Heels." (For Rubber Soles and Heels.) No. 3,459; Jan. 13; Gaz. vol. 198; p. 493.
- Ettlinger, Louis, New York, N. Y. "Pippins." (For Cigars.) No. 3,701; Aug. 18; Gaz. vol. 205; p. 1020.
- Everett, Ernest G., Riverside, via Minas, Cuba. "Lone Star." (For Grape-Fruit.) No. 3,632; June 2; Gaz. vol. 203; p. 304.
- Ex-Lax Manufacturing Co., New York, N. Y. "Ex-Lax The Chocolate Laxative." (For a Laxative.) No. 3,579; May 12; Gaz. vol. 202; p. 630.
- Excelsior Baking Company, Minneapolis, Minn. "Butter-Krust Bread." (For Bread.) No. 3,747; Oct. 13; Gaz. vol. 207; p. 608.
- F. F. Hansell & Bro. Ltd., New Orleans, La. "Kelly Domestic Science Table." (For Tables.) No. 3,725; Sept. 15; Gaz. vol. 206; p. 876.
- F. H. Bennett Biscuit Co., New York, N. Y. "Miss Wheatsworth." (For Whole-Wheat Biscuit.) No. 3,740; Sept. 22; Gaz. vol. 206; p. 1160.
- Falk Tobacco Co., New York, N. Y. "There's something about them you'll like—" (For Cigarettes.) Nos. 3,580-1; May 12; Gaz. vol. 202; p. 630.
- Falk Tobacco Co., New York, N. Y. "There's something about it you'll like." (For Smoking-Tobacco.) No. 3,582; May 12; Gaz. vol. 202; p. 630.
- Fendrich, John, Evansville, Ind. "The Denby Girl." (For Cigars.) No. 3,723; Sept. 15; Gaz. vol. 206; p. 876.
- Finch & Co., Jos. S., Pittsburgh, Pa. "Fifty Years Ago, When Golden Wedding Whiskey Was Young." (For Whisky.) No. 3,521; Mar. 10; Gaz. vol. 200; p. 580.
- Finch & Co., Jos. S., Pittsburgh, Pa. "Golden Wedding Bottled In Bond." (For Whisky.) No. 3,528; Mar. 24; Gaz. vol. 200; p. 1113.
- Finch & Co., Jos. S., Pittsburgh, Pa. "Fifty Years Ago When Golden Wedding Whiskey Was Young." (For Whisky.) No. 3,536; Mar. 31; Gaz. vol. 200; p. 1389.
- Fitchburg Horn Goods Co., Fitchburg, Mass. "Hair Ornaments." (For Hair Ornaments.) No. 3,466; Jan. 20; Gaz. vol. 198; p. 702.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "The best Winter food is Bread." (For Bread and Yeast.) No. 3,656; July 7; Gaz. vol. 204; p. 318.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Follow the Leader." (For Bread and Yeast.) No. 3,657; July 7; Gaz. vol. 204; p. 318.

Alphabetical list of registrants of prints—Continued.

- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Bread makes a Hit." (For Bread and Yeast.) No. 3,658; July 7; Gaz. vol. 204; p. 318.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Women Vote." (For Bread and Yeast.) No. 3,659; July 7; Gaz. vol. 204; p. 318.
- Frank H. Fleer Corporation, Philadelphia, Pa. "Bobs." (For Candy-Coated Chewing-Gum.) No. 3,702; Aug. 18; Gaz. vol. 205; p. 1020.
- Friar, John H., Milwaukee, Wis. "Kraft." (For Paper Bags.) No. 3,486; Feb. 3; Gaz. vol. 199; p. 305.
- G. Heileman Brg. Co., La Crosse, Wis. "Old Style Lager." (For Beer.) No. 3,660; July 7; Gaz. vol. 204; p. 318.
- G. Ross Korne & Co., Newark, Ohio. "The Game of Song and Story 'It Pleases and It Pays.'" (For Games.) No. 3,522; Mar. 10; Gaz. vol. 200; p. 580.
- Galitzki, Leo, Chicago, Ill. "Genuine Panama Superior Grade." (For Panama Hats.) No. 3,765; Nov. 3; Gaz. vol. 208; p. 338.
- George Frost Company, Boston, Mass. "Boston Garter Velvet Grip." (For Men's Garters.) No. 3,583; May 12; Gaz. vol. 202; p. 630.
- Germicide Hairtone Company, Wagoner, Okla. "Germicide Hairtone." (For a Preparation for the Hair and Scalp.) No. 3,748; Oct. 13; Gaz. vol. 207; p. 608.
- Glidden Varnish Co., The, Cleveland, Ohio. "Jap-A-Lac." (For Varnishes and Stains.) No. 3,467; Jan. 20; Gaz. vol. 198; p. 702.
- Gotham Garter and Novelty Company, New York, N. Y. "Gotham Tango Girdle." (For Girdles.) No. 3,703; Aug. 18; Gaz. vol. 205; p. 1020.
- H. Traiser & Co., Inc., Boston, Mass. "Harvard." (For Cigars.) No. 3,689; July 28; Gaz. vol. 204; p. 1343.
- Hall & Ruckel, New York, N. Y. "The Sozo Man." (For a Shaving-Cream.) No. 3,487; Feb. 3; Gaz. vol. 199; p. 305.
- Harder Manufacturing Company, Cobleskill, N. Y. "Harder Silos." (For Silos.) No. 3,478; Jan. 27; Gaz. vol. 198; p. 896.
- Help Saver Co., Philadelphia, Pa. "Scientific Household Economies." (For Ice-Blankets, Dish-Cloths, and Baking-Pan Liners.) No. 3,488; Feb. 3; Gaz. vol. 199; p. 305.
- Henry Disston & Sons, Incorporated, Philadelphia, Pa. "The World Is Our Market." (For Saws, Tools, Files, Steels.) No. 3,465; Jan. 20; Gaz. vol. 198; p. 702.
- Henry E. Frankenberg Company, New York, N. Y. "Utopia Lustrous Embroidery Flosses." (For Embroidery-Floss.) No. 3,724; Sept. 15; Gaz. vol. 206; p. 876.
- Herbert Frood Company, Ltd., The, Chapel-en-le-Frith, England. "Ferodo." (For Friction-Surfaces for All Kinds of Brakes and Clutches.) No. 3,489; Feb. 3; Gaz. vol. 199; p. 305.
- Hills Bros., San Francisco, Cal. "Hills Bros. Tea and Coffee San Francisco." (For Tea and Coffee.) No. 3,683; July 28; Gaz. vol. 204; p. 1343.
- Hills Bros., San Francisco, Cal. "Highest Grade." (For Coffee.) No. 3,766; Nov. 3; Gaz. vol. 208; p. 338.
- Hobbs, Thomas G., Norfolk, Va. "Sun Rize." (For Bread.) No. 3,726; Sept. 15; Gaz. vol. 206; p. 876.
- Huyler's, New York, N. Y. "Huyler's Fountain Drinks." (For Ice-Cream Soda.) No. 3,652; June 23; Gaz. vol. 203; p. 1259.
- I. Teitelbaum & Co., Cleveland, Ohio. "Sentiment." (For Cigars.) No. 3,573; Apr. 28; Gaz. vol. 201; p. 1218.
- I. B. Kleinert Rubber Company, New York, N. Y. "Kleinert's Dress Shields." (For Dress-Shields.) No. 3,603; May 26; Gaz. vol. 202; p. 1258.
- Ideal Lather Protector Co., The, New York, N. Y. "The New Ideal Way." (For Lather-Protectors.) No. 3,548; Apr. 7; Gaz. vol. 201; p. 266.
- Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y. "Ingersoll-Rogler Valve." (For Valves.) No. 3,641; June 16; Gaz. vol. 203; p. 928.
- International Acheson Graphite Co., Niagara Falls, N. Y. "Acheson Lubricants." (For Lubricants.) No. 3,602; May 26; Gaz. vol. 202; p. 1258.
- International Acheson Graphite Co., Niagara Falls, N. Y. "Acheson Lubricants." (For Lubricants.) No. 3,642; June 16; Gaz. vol. 203; p. 928.
- J. Walter Thompson Co., New York, N. Y., and Cincinnati, Ohio. "Guernsey Ware." (For Guernsey Ware.) No. 3,473; Jan. 20; Gaz. vol. 198; p. 702.
- J. Walter Thompson Co., New York, N. Y., and Cincinnati, Ohio. "Guernsey Earthenware." (For Guernsey Earthenware.) No. 3,474; Jan. 20; Gaz. vol. 198; p. 702.
- J. Wiss & Sons Co., Newark, N. J. "Wiss Shear." (For Shears.) No. 3,590; May 12; Gaz. vol. 202; p. 630.
- J. I. Austen Company, Chicago, Ill. "Armstead's Play Ball." (For a Game of Base-Ball.) No. 3,484; Feb. 3; Gaz. vol. 199; p. 305.
- J. S. Bell Confectionery Co., Cambridge, Mass. "Bell's Forkdip Chocolates." (For Chocolates.) No. 3,525; Mar. 24; Gaz. vol. 200; p. 1113.
- Jacobs, Charles C., Detroit, Mich. "A Sanitary Cap For Milk Bottles." (For Caps for Milk-Bottles.) No. 3,569; Apr. 28; Gaz. vol. 201; p. 1218.
- James S. Kirk & Company, Chicago, Ill. "Shampoo! with Jap Rose." (For Toilet Soap.) No. 3,653; June 23; Gaz. vol. 203; p. 1259.
- James S. Kirk & Company, Chicago, Ill. "Kirk's Flake Soap, No. 463." (For Soap.) No. 3,767; Nov. 3; Gaz. vol. 208; p. 338.
- James S. Kirk & Company, Chicago, Ill. "Kirk's Flake Soap, No. 464." (For Soap.) No. 3,768; Nov. 3; Gaz. vol. 208; p. 338.
- James S. Kirk & Company, Chicago, Ill. "Kirk's Flake Soap, No. 461." (For Soap.) No. 3,769; Nov. 3; Gaz. vol. 208; p. 338.
- James S. Kirk & Company, Chicago, Ill. "Jap Rose 'The Bubble Bath' Soap." (For Toilet Soap.) No. 3,770; Nov. 3; Gaz. vol. 208; p. 338.
- James S. Kirk & Company, Chicago, Ill. "Jap Rose 'The Instant Lathey' Soap." (For Toilet Soap.) No. 3,783; Nov. 10; Gaz. vol. 208; p. 654.
- Johnson, Edward E., St. Paul, Minn. "Johnson Well Screen." (For Well-Screens.) No. 3,791; Dec. 15; Gaz. vol. 209; p. 1051.
- Joseph Mack Printing House, Detroit, Mich. "The Product of Experience." (For Automobiles.) No. 3,507; Feb. 24; Gaz. vol. 199; p. 1242.
- Joseph Mack Printing House, Detroit, Mich. "When Better Automobiles Are Built Buick Will Build Them." (For Automobiles.) No. 3,523; Mar. 10; Gaz. vol. 200; p. 580.
- Keagy, Edwin J. W., Altoona, Pa. "Lem-n Blend." (For a Drink.) No. 3,643; June 16; Gaz. vol. 203; p. 928.
- Kelly-Springfield Tire Co., New York, N. Y. "Kelly-Springfield Tires 'Made To Make Good.'" (For Rubber Tires.) No. 3,537; Mar. 31; Gaz. vol. 200; p. 1389.
- Kirk, W. Stokes, Philadelphia, Pa. "Sale Late U. S. Army and Navy Goods." (For Blankets, Shoes, Cloth, Leggings, Bayonet Candelabra, Helmet-Plume-Socket Candlesticks, Bayonet Candle Scones, Three-Gun Hall-Rack, Umbrella-Stands, Bayonet Fern-Stands, Gun Costumer, Double-Candle Knife Sconce, Shell Paper-Weights, Revolver-Cylinder Match-Safes, and Eagle Coat-of-Arms Plaques.) No. 3,585; May 12; Gaz. vol. 202; p. 630.
- Knappmann, William, Brooklyn, N. Y. "Luco." (For a Silver-Polish.) No. 3,691; Aug. 4; Gaz. vol. 205; p. 303.
- L. E. Waterman Company, New York, N. Y. "Everybody Wants One." (For Fountain-Pens.) No. 3,504; Feb. 17; Gaz. vol. 199; p. 937.
- L. E. Waterman Company, New York, N. Y. "The Favorite Of Every Race." (For Fountain-Pens.) No. 3,648; June 16; Gaz. vol. 203; p. 928.
- Locomotive Arch Brick Company, Chicago, Ill. "Economy Brick Arches." (For Arch-Bricks.) No. 3,661; July 7; Gaz. vol. 204; p. 318.
- Louis Dejonge & Co., New York, N. Y. "Pyramid Fly Catcher." (For Adhesive Fly-Catching Devices.) Nos. 3,497-8; Feb. 10; Gaz. vol. 199; p. 616.
- Manhattan Petticoat Co., Inc., New York, N. Y. "Manhattan." (For Petticoats.) No. 3,728; Sept. 15; Gaz. vol. 206; p. 876.
- Marshallburne, Nicholas E., Stone Mountain, Ga. "Famous Pink Queens." (For Cantaloups.) No. 3,771; Nov. 3; Gaz. vol. 208; p. 338.
- Mason City Brick and Tile Company, Mason City, Iowa. "Load-Bearing Tile." (For Load-Bearing Tile.) No. 3,704; Aug. 18; Gaz. vol. 205; p. 1020.
- Matthes, Max, Wilmington, Del. "German Style Smoked Sausage." (For Sausage.) No. 3,673; July 14; Gaz. vol. 204; p. 673.
- McGowan Company, The, Homestead, Pa. "Oh, No, Old Man! You Can't Stop Us! We Use McGowan's Lightning Puncture Cure." (For Puncture Cure for Pneumatic Tires.) No. 3,559; Apr. 14; Gaz. vol. 201; p. 568.
- Meyerord Company, The, Chicago, Ill. "Old Overholt Rye." (For Whisky.) No. 3,518; Mar. 3; Gaz. vol. 200; p. 278.
- Meyerord Company, The, Chicago, Ill. "The Edwin Natural Bridge." (For Whisky.) No. 3,519; Mar. 3; Gaz. vol. 200; p. 278.
- Miller, Solomon S., Reading, Pa. "She's solved her troubles for heels and toes." (For Ladies' Hosiery.) No. 3,705; Aug. 18; Gaz. vol. 205; p. 1020.
- Milwaukee Bag Co., Milwaukee, Wis. "Bag." (For Bags.) No. 3,751; Oct. 13; Gaz. vol. 207; p. 608.
- Miner, W. H., Chicago, Ill., and Chazy, N. Y. "Heart's Delight Farm Eggs." (For Eggs.) No. 3,479; Jan. 27; Gaz. vol. 198; p. 896.
- Miner, W. H., Chazy, N. Y. "Heart's Delight Farm Sausage." (For Sausage.) No. 3,508; Feb. 24; Gaz. vol. 199; p. 1242.
- Miner, W. H., Chazy, N. Y. "Heart's Delight Farm Sausage." (For Sausage.) No. 3,529; Mar. 24; Gaz. vol. 200; p. 1113.
- Minnesota Linseed Oil Paint Company, Minneapolis, Minn. "Minnesota Paints." (For Paints.) No. 3,572; Apr. 28; Gaz. vol. 201; p. 1218.
- Monumental Brewing Co., The, Highlandtown, Md. "Das gute Bier." (For Beer.) No. 3,752; Oct. 13; Gaz. vol. 207; p. 608.

Alphabetical list of registrants of prints—Continued.

- Murphy and Son, T. J., Lewiston, Me. "Murphy's Magnet Scent." (For a Scent.) No. 3,549; Apr. 7; Gaz. vol. 201; p. 266.
- Nelson, Orris W., Framingham, Mass. "I Talk For Minard's Liniment." (For Liniment.) Nos. 3,550-1; Apr. 7; Gaz. vol. 201; p. 266.
- New York and London Drug Co., New York, N. Y. "How Does Your Complexion Compare With Mine?" (For Face-Cream.) No. 3,499; Feb. 10; Gaz. vol. 199; p. 616.
- Nestle, William, Wilmington, N. C. "Nestle's Compound Syrup of Tar, Honey, Rum & Wild Cherry." (For a Cough Medicine.) No. 3,790; Dec. 15; Gaz. vol. 209; p. 1051.
- Noelck, Richard A., Sturgeon Bay, Wis. "By Our Fruits Ye Shall Know Us." (For Fruits.) No. 3,793; Dec. 22; Gaz. vol. 209; p. 1315.
- Norris & Company, Alfred E., Philadelphia, Pa. "The Last Word In Whiskey." (For Whisky.) No. 3,480; Jan. 27; Gaz. vol. 198; p. 896.
- Notaseme Hosiery Company, Philadelphia, Pa. "Notaseme." (For Hosiery.) No. 3,468; Jan. 20; Gaz. vol. 198; p. 702.
- Nutritus Company, New York, N. Y. "Rosemond Nutritus Balm." (For Toilet Preparations.) No. 3,491; Feb. 3; Gaz. vol. 199; p. 305.
- Olds, Edward A., New York, N. Y. "Packer's Tar Soap." (For Tar Soap.) No. 3,509; Feb. 24; Gaz. vol. 199; p. 1242.
- Oxola Manufacturing Co., The, Baltimore, Md. "This little pig went to market." (For Shortening.) No. 3,561; Apr. 14; Gaz. vol. 201; p. 568.
- Peoples Coal & Ice Company, The, St. Paul, Minn. "The Temperature Twins." (For Coal and Ice.) No. 3,772; Nov. 3; Gaz. vol. 208; p. 338.
- Pepsi-Cola Company, The, Newbern, N. C. "Drink Pepsi-Cola." (For Pepsi-Cola.) No. 3,552; Apr. 7; Gaz. vol. 201; p. 266.
- Peter Schoenhofen Brewing Co., The, Chicago, Ill. "A Case Of Good Judgment." (For Beer.) Nos. 3,604-5; May 26; Gaz. vol. 202; p. 1258.
- Peter Schoenhofen Brewing Co., Chicago, Ill. "A Case Of Good Judgment." (For Beer.) No. 3,687; July 28; Gaz. vol. 204; p. 1343.
- Peter Schoenhofen Brewing Co., The, Chicago, Ill. "A Case of Good Judgment." (For Beer.) Nos. 3,732-8; Sept. 15; Gaz. vol. 206; p. 876.
- Peter Schoenhofen Brewing Co., The, Chicago, Ill. "A Case of Good Judgment." (For Beer.) Nos. 3,753-5; Oct. 13; Gaz. vol. 207; p. 608.
- Peter Schoenhofen Brewing Company, The, Chicago, Ill. "A Case Of Good Health." (For a Tonic.) No. 3,667; July 7; Gaz. vol. 204; p. 318.
- Picture Paster Publicity Co. Inc., New York, N. Y. "Picture Pastors." (For Picture-Pasters.) No. 3,662; July 7; Gaz. vol. 204; p. 318.
- Piel Bros., New York, N. Y. "Oster-Bier." (For Beer.) Nos. 3,553-4; Apr. 7; Gaz. vol. 201; p. 266.
- Pittsburgh-Hickson Company, East Butler, Pa. "The Test of Fire." (For Brass Beds.) No. 3,674; July 14; Gaz. vol. 204; p. 673.
- Platt, Henry B., New York, N. Y. "Platt's Chlorides The Odorless Disinfectant." (For Platt's Chlorids.) No. 3,469; Jan. 20; Gaz. vol. 198; p. 702.
- Quality Saw and Tool Works, Springfield, Mass. "Quality Saws." (For Hacksaws, Band-Saws, and Circular Saws.) No. 3,562; Apr. 14; Gaz. vol. 201; p. 568.
- R. F. Johnston Paint Co., The, Cincinnati, Ohio. "Paint Up. Clean Up." (For Paint.) No. 3,570; Apr. 28; Gaz. vol. 201; p. 1218.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Early and Late Chew." (For Chewing-Tobacco.) No. 3,470; Jan. 20; Gaz. vol. 198; p. 702.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Biggest Seller Because 'Every Bite Tastes Right.'" (For Chewing-Tobacco.) No. 3,500; Feb. 10; Gaz. vol. 199; p. 616.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "It's there with the punch." (For Smoking-Tobacco.) No. 3,510; Feb. 24; Gaz. vol. 199; p. 1242.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "First of all." (For Smoking-Tobacco.) No. 3,511; Feb. 24; Gaz. vol. 199; p. 1242.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert the national joy smoke." (For Smoking-Tobacco.) No. 3,531; Mar. 24; Gaz. vol. 200; p. 1113.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Jam this news under your hood." (For Smoking-Tobacco.) No. 3,555; Apr. 7; Gaz. vol. 201; p. 266.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "You fire up a jimmy pipe." (For Smoking-Tobacco.) No. 3,563; Apr. 14; Gaz. vol. 201; p. 568.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Big joy for you rolling 'em with P. A." (For Smoking-Tobacco.) No. 3,564; Apr. 14; Gaz. vol. 201; p. 568.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Every puff of P. A. is a wallop!" (For Smoking-Tobacco.) No. 3,565; Apr. 14; Gaz. vol. 201; p. 568.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. punches a new idea right into your system!" (For Smoking-Tobacco.) No. 3,633; June 2; Gaz. vol. 203; p. 304.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "The 'makin's' of a smile!" (For Smoking-Tobacco.) No. 3,634; June 2; Gaz. vol. 203; p. 304.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. makes men pipe hungry." (For Smoking-Tobacco.) No. 3,635; June 2; Gaz. vol. 203; p. 304.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "A jimmy pipe is bully fine." (For Smoking-Tobacco.) No. 3,636; June 2; Gaz. vol. 203; p. 304.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Just about time you got yours." (For Smoking-Tobacco.) No. 3,663; July 7; Gaz. vol. 204; p. 318.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "You lay a bet on P. A. makin's." (For Smoking-Tobacco.) No. 3,664; July 7; Gaz. vol. 204; p. 318.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "It's time you rolled 'em!" (For Smoking-Tobacco.) No. 3,665; July 7; Gaz. vol. 204; p. 318.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "You Can't Get Away from." (For Chewing-Tobacco.) No. 3,666; July 7; Gaz. vol. 204; p. 318.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Every Time You'll Take." (For Chewing-Tobacco.) No. 3,675; July 14; Gaz. vol. 204; p. 673.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Butt right in with your old jimmy pipe." (For Smoking-Tobacco.) No. 3,684; July 28; Gaz. vol. 204; p. 1343.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. makes a pipe smoke a real man's game!" (For Smoking-Tobacco.) No. 3,685; July 28; Gaz. vol. 204; p. 1343.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Oh, Man! Get This Right and Sit In." (For Smoking-Tobacco.) No. 3,708; Aug. 18; Gaz. vol. 205; p. 1020.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. just tickles us all!" (For Smoking-Tobacco.) No. 3,709; Aug. 18; Gaz. vol. 205; p. 1020.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Watch Your Step!" (For Smoking-Tobacco.) No. 3,710; Aug. 18; Gaz. vol. 205; p. 1020.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "When We Put It Up to George." (For Smoking-Tobacco.) No. 3,711; Aug. 18; Gaz. vol. 205; p. 1020.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. is a double header!" (For Smoking-Tobacco.) No. 3,712; Aug. 18; Gaz. vol. 205; p. 1020.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. sure does set the clip." (For Smoking-Tobacco.) No. 3,713; Aug. 18; Gaz. vol. 205; p. 1020.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Boost some joy smoke into your system!" (For Smoking-Tobacco.) No. 3,714; Aug. 18; Gaz. vol. 205; p. 1020.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Makes Your Mouth Water." (For Chewing-Tobacco.) No. 3,718; Sept. 1; Gaz. vol. 206; p. 311.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Getting Away with a Good Thing." (For Chewing-Tobacco.) No. 3,719; Sept. 1; Gaz. vol. 206; p. 311.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "When P. A. speaks be a good list'ner!" (For Smoking-Tobacco.) No. 3,729; Sept. 15; Gaz. vol. 206; p. 876.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "There's peace in every puff!" (For Smoking-Tobacco.) No. 3,730; Sept. 15; Gaz. vol. 206; p. 876.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Worth Fighting for." (For Chewing-Tobacco.) No. 3,756; Oct. 13; Gaz. vol. 207; p. 608.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Don't stow this away under your hat. Use it." (For Smoking-Tobacco.) No. 3,773; Nov. 3; Gaz. vol. 208; p. 338.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "The Short Cut to Pipe Joy." (For Smoking-Tobacco.) No. 3,774; Nov. 3; Gaz. vol. 208; p. 338.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert the national joy smoke." (For Smoking-Tobacco.) No. 3,775; Nov. 3; Gaz. vol. 208; p. 338.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Here's Heap Big Smoke Joy." (For Smoking-Tobacco.) No. 3,776; Nov. 3; Gaz. vol. 208; p. 338.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Don't Let This One Bounce Off." (For Smoking-Tobacco.) No. 3,777; Nov. 3; Gaz. vol. 208; p. 338.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "I calculate that P. A. has pipe-joy hog-tied and branded." (For Smoking-Tobacco.) No. 3,794; Dec. 22; Gaz. vol. 209; p. 1315.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. takes the Razoo out of the Jimmy Pipe." (For Smoking-Tobacco.) No. 3,795; Dec. 22; Gaz. vol. 209; p. 1315.

Alphabetical list of registrants of prints—Continued.

- Ralston Purina Company, St. Louis, Mo. "Ralston Wheat Food." (For Ralston Wheat Food.) No. 3,492; Feb. 3; Gaz. vol. 199; p. 305.
- Reckitts (U. S. A.) Ltd., New York, N. Y. "Cubie." (For Blue.) No. 3,717; Sept. 1; Gaz. vol. 206; p. 311.
- Regal Marble Company, Regal, N. C. "Regal Blue Marble Enduring As The Pyramids." (For Blue Marble.) No. 3,538; Mar. 31; Gaz. vol. 200; p. 1389.
- Robertson Paper Company, Bellows Falls, Vt. "Golden-Crust." (For Bread.) No. 3,493; Feb. 3; Gaz. vol. 199; p. 305.
- Rudolph Wurlitzer Co., The, Cincinnati, Ohio. "One Man Plays Them All." (For a Combination Automatic Musical Instrument.) No. 3,676; July 14; Gaz. vol. 204; p. 673.
- S. H. Robison Co., Philadelphia, Pa. "Nu-Blu Laundry Cleanser." (For Laundry Cleanser.) No. 3,501; Feb. 10; Gaz. vol. 199; p. 616.
- Schlatter & Son, Wm., Springfield, Mass. "Superior Carnation Staples." (For Staples.) No. 3,566; Apr. 14; Gaz. vol. 201; p. 568.
- Schneider, Charles E., New Haven, Conn. "Photoplast." (For an Apparatus for the Production of Scenic Effects.) No. 3,731; Sept. 15; Gaz. vol. 206; p. 876.
- Schoenhofen Brewing Co., The, Chicago, Ill. "Oh, That Reminds Me." (For Beer.) No. 3,686; July 28; Gaz. vol. 204; p. 1343.
- Schultz, Thos. I., Cincinnati, Ohio. "La Esperanza Habana." (For Cigars.) No. 3,778; Nov. 3; Gaz. vol. 208; p. 338.
- Schulze, Peter, Chicago, Ill. "Butter-Krust." (For Bread.) No. 3,606; May 26; Gaz. vol. 202; p. 1258.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "The Home of Shredded Wheat" Window Display." (For a Cereal Food.) No. 3,471; Jan. 20; Gaz. vol. 198; p. 702.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "The Home Of Shredded Wheat." (For Cereal Food, Particularly Shredded Wheat.) No. 3,481; Jan. 27; Gaz. vol. 198; p. 896.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "In Cold Weather." (For Shredded Wheat.) No. 3,540; Mar. 31; Gaz. vol. 200; p. 1389.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "Make This Your Summer 'Meat.'" (For Shredded Wheat.) No. 3,645; June 16; Gaz. vol. 203; p. 928.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "From 'Son-rise' to 'Son-set.'" (For Shredded Wheat.) No. 3,646; June 16; Gaz. vol. 203; p. 928.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "The Home of Shredded Wheat" Window Display." (For Shredded Wheat.) No. 3,668; July 7; Gaz. vol. 204; p. 318.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "The Shredded Wheat Man." (For Shredded Wheat.) No. 3,669; July 7; Gaz. vol. 204; p. 318.
- Siegel Foster Co., Inc., New York, N. Y. "Athletæ." (For Women's Outdoor Garments.) No. 3,779; Nov. 3; Gaz. vol. 208; p. 338.
- Standard Mirror Co., Buffalo, N. Y. "French Standard Quality Mirror." (For Mirrors.) No. 3,512; Feb. 24; Gaz. vol. 199; p. 1242.
- Standard Mirror Co., Buffalo, N. Y. "Selected Quality Mirror." (For Mirrors.) No. 3,513; Feb. 24; Gaz. vol. 199; p. 1242.
- Standard Mirror Co., Buffalo, N. Y. "First Quality Mirror." (For Mirrors.) No. 3,514; Feb. 24; Gaz. vol. 199; p. 1242.
- Standard Mirror Co., Buffalo, N. Y. "Standard Quality Mirror." (For Mirrors.) No. 3,515; Feb. 24; Gaz. vol. 199; p. 1242.
- Standard Oil Cloth Co., New York, N. Y. "Meritas." (For Oil-Cloth.) No. 3,567; Apr. 14; Gaz. vol. 201; p. 568.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. "Semdac Liquid Gloss." (For a Liquid Polish.) No. 3,472; Jan. 20; Gaz. vol. 198; p. 702.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. "Polarine." (For Motor-Oil.) No. 3,516; Feb. 24; Gaz. vol. 199; p. 1242.
- Standard Pressed Steel Co., Philadelphia, Pa. "Standco." (For Hollow Set-Screws.) No. 3,677; July 14; Gaz. vol. 204; p. 673.
- Stewart Distilling Co., Philadelphia, Pa. "A Good Bottle To Keep Good Whiskey Good." (For Whisky.) No. 3,520; Mar. 3; Gaz. vol. 200; p. 278.
- Stonehouse Steel Sign Company, The, Denver, Colo. "Arrow Points Way Out." (For Signs.) No. 3,789; Nov. 24; Gaz. vol. 208; p. 1354.
- Swift Specific Company, Atlanta, Ga. "Take S. S. S. For The Blood." (For a Blood Remedy.) No. 3,670; July 7; Gaz. vol. 204; p. 318.
- Tablet & Ticket Company, Chicago, Ill.; New York, N. Y., and San Francisco, Cal. "Muresco." (For a Preparation for Decorating Wall-Surfaces.) No. 3,607; May 26; Gaz. vol. 202; p. 1258.
- Thomas Potter, Sons & Co., Inc., Philadelphia, Pa., and New York, N. Y. "Get the Linoleum Habit." (For Linoleum and Oil-Cloth.) No. 3,530; Mar. 24; Gaz. vol. 200; p. 1113.
- Treiber, Theodore R., Kansas City, Mo. "Tip Silica." (For Silica.) No. 3,647; June 16; Gaz. vol. 203; p. 928.
- Trembley, Mark M., Washington, D. C. "Loaves of Bread." (For Bread.) No. 3,787; Nov. 24; Gaz. vol. 208; p. 1354.
- Trembley, Mark M., Washington, D. C. "Two Loaves of Bread." (For Bread.) No. 3,788; Nov. 24; Gaz. vol. 208; p. 1354.
- Union Fibre Company, Winona, Minn. "Between You and the Weather." (For Linen Felt.) No. 3,568; Apr. 14; Gaz. vol. 201; p. 568.
- United Electric Company, The, Canton, Ohio. "The Heart of the Home." (For Stationary Vacuum-Cleaners.) No. 3,780; Nov. 3; Gaz. vol. 208; p. 338.
- Utica Carbon & Wax Paper Co., Utica, N. Y. "Its Real Genuine Kno'-Blur." (For Carbon-Paper.) No. 3,690; July 28; Gaz. vol. 204; p. 1343.
- Utz & Dunn Co., Rochester, N. Y. "Style Shoes of Quality." (For Boots or Shoes.) No. 3,678; July 14; Gaz. vol. 204; p. 673.
- Vacuum Oil Co., New York, N. Y. "Oils that Lubricate Most." (For Oils.) Nos. 3,742-4; Sept. 22; Gaz. vol. 206; p. 1160.
- Valentine & Company, New York, N. Y. "The Test!" (For Varnish and Painting Material.) No. 3,541; Mar. 31; Gaz. vol. 200; p. 1389.
- Van Houten & Zoon, Weesp, Netherlands, and Chicago, Ill. "Rona Dutch Cocoa." (For Rona Dutch Cocoa.) No. 3,482; Jan. 27; Gaz. vol. 198; p. 896.
- Vapo-Cresolene Co., New York, N. Y. "Vapo-Cresolene." (For Vapo-Cresolene.) No. 3,556; Apr. 7; Gaz. vol. 201; p. 266.
- Veillard Brothers, Tell City, Ind. "V. B." (For Cigars.) No. 3,560; Apr. 14; Gaz. vol. 201; p. 568.
- Vulcan Process Co., Minneapolis, Minn. "Vulcan Process." (For Apparatus for oxyacetylene welding and cutting.) No. 3,781; Nov. 3; Gaz. vol. 208; p. 338.
- W. A. Adams Advertising Co., Philadelphia, Pa. "Cooks Thoro-Bread." (For Bread.) No. 3,745; Oct. 13; Gaz. vol. 207; p. 608.
- Waldes & Company, New York, N. Y. "Koh-i-noor Counter Cabinet Display Case." (For Display-Cases.) No. 3,671; July 7; Gaz. vol. 204; p. 318.
- Walter M. Lowney Co., Boston, Mass. "Lowney's Breakfast Cocoa." (For Cocoa.) No. 3,727; Sept. 15; Gaz. vol. 206; p. 876.
- Wayne Knitting Mills, Fort Wayne, Ind. "Wayne Knit Hosiery." (For Hosiery.) No. 3,679; July 14; Gaz. vol. 204; p. 673.
- Weck, Edward, New York, N. Y. "Week's Sextoblade Razor." (For Razors.) No. 3,588; May 12; Gaz. vol. 202; p. 630.
- Welch Grape Juice Co., The, Westfield, N. Y. "Welch's The National Drink." (For Grape-Juice.) Nos. 3,502-3; Feb. 10; Gaz. vol. 199; p. 616.
- Westmorland Candy Company, Inc., Richmond, Va. "Crispie." (For Peconut Crisp.) No. 3,782; Nov. 3; Gaz. vol. 208; p. 338.
- Willys-Overland Company, The, Toledo, Ohio. "Overland." (For Automobiles.) No. 3,483; Jan. 27; Gaz. vol. 198; p. 896.
- Willys-Overland Company, The, Toledo, Ohio. "Overland." (For Automobiles.) Nos. 3,494-5; Feb. 3; Gaz. vol. 199; p. 305.
- Wm. J. Lemp Brewing Co., St. Louis, Mo. "Falstaff." (For Beer.) No. 3,571; Apr. 28; Gaz. vol. 201; p. 1218.
- Wm. J. Lemp Brewing Co., St. Louis, Mo. "Falstaff and Happiness." (For Beer.) No. 3,750; Oct. 13; Gaz. vol. 207; p. 608.

DISCLAIMERS.

- Anglada, Joseph A.**, New York, N. Y.; disclaimer filed by assignee, Universal Rim Company. Vehicle wheel-rim. No. 1,095,772; disclaimer filed May 16, 1914; Gaz. vol. 202; p. 1264.
- Bush, Samuel P.**, Columbus, Ohio; disclaimer filed by patentee. Draft-gearing. No. 838,379; disclaimer filed Nov. 2, 1914; Gaz. vol. 208; p. 660.
- Deming, Eugene W.**, New York, N. Y.; disclaimer filed by assignee, Deming Apparatus Company. Apparatus for separating solids from liquids. No. 885,450; disclaimer filed Jan. 21, 1914; Gaz. vol. 198; p. 900.
- Dickey, Samuel J.**, Philadelphia, Pa.; disclaimer filed by assignee The United Gas Improvement Company. Water-gas apparatus. No. 940,925; disclaimer filed Apr. 21, 1914; Gaz. vol. 201; p. 1222.
- Fowler, Arthur H.**, Norristown, Pa.; disclaimer filed by assignee, Fowler & Wolfe Manufacturing Company. Radiator. No. 609,800; disclaimer filed May 21, 1914; Gaz. vol. 202; p. 1264.
- Green, William R.**, White Plains, N. Y.; disclaimer filed by assignee, Daniel Green Felt Shoe Company. Shoe and making same. No. 894,733; Disclaimer filed Jan. 7, 1914; Gaz. vol. 198; p. 241.
- Hoke, Harry A.**, and **Clarence J. Barley**, Altoona, Pa.; disclaimer filed by patentees. Piston-packing. No. 1,082,523; disclaimer filed July 10, 1914; Gaz. vol. 204; p. 1014.
- Howard, Clarence H.**, and **H. M. Pfleger**, St. Louis, Mo.; disclaimer filed by assignee, Double Body Bolster Company. Truck construction. No. 1,080,555; disclaimer filed Aug. 24, 1914; Gaz. vol. 206; p. 319.
- Jenner, Edward J.**, San Antonio, Tex.; disclaimer filed by assignee, Herbert L. Hildreth. Candy-pulling machine. No. 804,726; disclaimer filed Nov. 14, 1914; Gaz. vol. 208; p. 1362.
- Lobo, Ernesto**, Parras, Mexico; disclaimer filed by patentee. Instrument for woodworking or furniture. No. 1,061,855; disclaimer filed Dec. 7, 1914; Gaz. vol. 209; p. 1054.
- Mell, Tod J.**, Youngstown, Ohio; disclaimer filed by assignee, The Republic Rubber Company. Tire for vehicle-wheels. No. 898,907; disclaimer filed Jan. 28, 1914; Gaz. vol. 199; p. 310.
- Pflueger, Joseph E.**, Akron, Ohio; disclaimer filed by assignee, The Enterprise Manufacturing Company. Artificial bait. No. 954,691; disclaimer filed Aug. 6, 1914; Gaz. vol. 205; p. 669.
- Rudolph, Paul**, Jena, Germany; disclaimer filed by assignee, Firm of Carl Zeiss. Photographic objective. No. 721,240; disclaimer filed Oct. 22, 1914; Gaz. vol. 208; p. 660.
- Schiödt, Frederik V.**, Copenhagen, Denmark; disclaimer filed by assignee, Patents Selling & Exporting Company, Aktieselskab. Apparatus for the extraction of dust from carpets and other articles. No. 854,670; disclaimer filed July 11, 1914; Gaz. vol. 204; p. 1014.
- Shipley, Lewis C.**, New York, N. Y.; disclaimer filed by assignee, Douglas E. Bonner. Automobile extension canopy-frame. No. 822,634; disclaimer filed June 13, 1914; Gaz. vol. 203; p. 1264.
- Spahr, Otto**, and **C. Stichler**, Philadelphia, Pa.; disclaimer filed by assignee, Strause Gas Iron Company. Sad-iron. No. 948,773; disclaimer filed May 13, 1914; Gaz. vol. 202; p. 635.
- Starr, Ferdinand W.**, Springfield, Ohio; disclaimer filed by patentee. Cutting instrument. No. 683,809; disclaimer filed Jan. 27, 1914; Gaz. vol. 199; p. 310.
- Thun, Ferdinand**, Wyomissing, Pa.; disclaimer filed by assignee, The Narrow Fabric Co. Shoe-lacing. No. 852,747; disclaimer filed Dec. 11, 1914; Gaz. vol. 209; p. 1319.
- Turnbull, Werd W.**, Columbus, Ohio; disclaimer filed by assignee, The Turnbull Manufacturing Company. Baking-machine. No. 1,009,355; disclaimer filed Sept. 19, 1914; Gaz. vol. 206; p. 1438.
- Voight, Henry G.**, New Britain, Conn.; disclaimer filed by patentee. Door-controlling means. No. 1,040,969; disclaimer filed Feb. 13, 1914; Gaz. vol. 200; p. 285.
- Voss, Peter**, Alliance, Ohio; disclaimer filed by assignee, The McCaskey Register Company. Filing appliance. No. 1,071,375; disclaimer filed Nov. 30, 1914; Gaz. vol. 209; p. 691.
- Westlake, Charles T.**, St. Louis, Mo.; disclaimer filed by assignee, Double Body Bolster Company. Center-bolster for six-wheel car-trucks. No. 1,102,620; disclaimer filed Sept. 5, 1914; Gaz. vol. 206; p. 880.
- Whitmore, Edward E.**, Chicago, Ill.; disclaimer filed by assignee, The Curtain Supply Company. Car-diaphragm. No. 1,078,758; disclaimer filed June 1, 1914; Gaz. vol. 203; p. 309.

ALPHABETICAL LIST OF INVENTIONS.

[Abbreviations: "Gaz."=Official Gazette.]

- Abdomen for comedians and others, Artificial. J. W. Simons. No. 1,119,047; Dec. 1; Gaz. vol. 209; p. 53.
- Abdominal band. G. F. Earnshaw. No. 1,102,250; July 7; Gaz. vol. 204; p. 10.
- Abdominal supporter. L. M. Payne. No. 1,110,226; Sept. 8; Gaz. vol. 206; p. 527.
- Abdominal supporter, Compressor or. G. W. Knight. No. 1,119,614; Dec. 1; Gaz. vol. 209; p. 247.
- Abradant. R. M. Akin. No. 1,118,255; Nov. 24; Gaz. vol. 208; p. 1090.
- Abrading-tool. J. Gouldbourn. No. 1,091,506; Mar. 31; Gaz. vol. 200; p. 1134.
- Abrading-wheel. G. N. Jeppson. No. 1,097,758; May 26; Gaz. vol. 202; p. 1011.
- Abrading-wheels, Drill-grinding attachment for. B. L. Mallory. No. 1,095,338; May 5; Gaz. vol. 202; p. 57.
- Abrasive apparatus. O. C. Wysong. No. 1,096,882; May 19; Gaz. vol. 202; p. 660.
- Abrasive compounds, Producing. T. B. Allen. No. 1,087,705; Feb. 17; Gaz. vol. 199; p. 838.
- Abrasive disks or wheels, Display-holder for. J. J. Smith. No. 1,086,409; Feb. 10; Gaz. vol. 199; p. 334.
- Abrasive element for reciprocating grinders. W. D. Gherky. No. 1,095,994; May 5; Gaz. vol. 202; p. 278.
- Abrasive material, Apparatus for delivering. J. W. Cruikshank. No. 1,089,909; Mar. 10; Gaz. vol. 200; p. 472.
- Abrasive plate. C. Messick. No. 1,119,443; Dec. 1; Gaz. vol. 209; p. 187.
- Acceleration-indicator. R. B. Owens. No. 1,096,942; May 19; Gaz. vol. 202; p. 682.
- Accounting device. J. H. Parnham and J. Hattemer. No. 1,102,950; July 7; Gaz. vol. 204; p. 251.
- Accordion. P. Petromilli and C. Piatanesi. No. 1,087,508; Feb. 17; Gaz. vol. 199; p. 767.
- Account-cabinet. W. L. Deming. No. 1,092,564; Apr. 7; Gaz. vol. 201; p. 151.
- Account-receptacle. R. Adler. No. 1,086,341; Feb. 10; Gaz. vol. 199; p. 313.
- Account-register. D. S. Dunn. No. 1,094,887; Apr. 28; Gaz. vol. 201; p. 1077.
- Account-register. E. B. Moseley. No. 1,122,981; Dec. 29; Gaz. vol. 209; p. 1579.
- Account-register. A. F. Staples. No. 1,086,236; Feb. 3; Gaz. vol. 199; p. 231.
- Account sheet or book. A. E. Swayne. No. 1,098,992; June 2; Gaz. vol. 203; p. 215.
- Accounting and filing apparatus. P. A. McCaskey and S. E. Fouts. No. 1,092,158; Apr. 7; Gaz. vol. 201; p. 11.
- Accounting device. W. J. Crumpton. No. 1,084,611; Jan. 20; Gaz. vol. 198; p. 506.
- Accounting device, Automatic time-. A. A. Thomas. No. 1,084,672; Jan. 20; Gaz. vol. 198; p. 527.
- Accounting device, Automatic time-. L. A. Williams. No. 1,084,686; Jan. 20; Gaz. vol. 198; p. 533.
- Accounting means. C. H. Tallmadge. No. 1,084,668; Jan. 20; Gaz. vol. 198; p. 525.
- Accounting means and method. C. H. Tallmadge. No. 1,084,671; Jan. 20; Gaz. vol. 198; p. 526.
- Accounting means and method. L. A. Williams. No. 1,084,683; Jan. 20; Gaz. vol. 198; p. 531.
- Accounting mechanism. C. H. Tallmadge. No. 1,084,667; Jan. 20; Gaz. vol. 198; p. 524.
- Accounting-registers, Actuating mechanism for. F. O. Heuser. No. 1,084,633; Jan. 20; Gaz. vol. 198; p. 514.
- Accounting system. E. C. Albree. No. 1,118,171; Nov. 24; Gaz. vol. 208; p. 1061.
- Accounting system. W. J. Crumpton. No. 1,084,613; Jan. 20; Gaz. vol. 198; p. 507.
- Accounting system. W. J. Crumpton. No. 1,084,614; Jan. 20; Gaz. vol. 198; p. 507.
- Accounting system. W. J. Crumpton. No. 1,084,615; Jan. 20; Gaz. vol. 198; p. 508.
- Accounting system. W. J. Crumpton. No. 1,088,327; Feb. 24; Gaz. vol. 199; p. 1097.
- Accounting system. W. J. Crumpton. No. 1,106,284; Aug. 4; Gaz. vol. 205; p. 240.
- Accounting system. A. F. Poole. No. 1,084,660; Jan. 20; Gaz. vol. 198; p. 522.
- Accounting system. A. F. Poole. No. 1,084,661; Jan. 20; Gaz. vol. 198; p. 522.
- Accounting system. C. H. Tallmadge. No. 1,084,669; Jan. 20; Gaz. vol. 198; p. 525.
- Accounting system. L. A. Williams. No. 1,084,684; Jan. 20; Gaz. vol. 198; p. 532.
- Accounting system. L. A. Williams. No. 1,084,685; Jan. 20; Gaz. vol. 198; p. 532.
- Accounting system, Automatic. W. J. Crumpton. No. 1,084,612; Jan. 20; Gaz. vol. 198; p. 506.
- Accounting system, Piecework-. C. H. Tallmadge. No. 1,084,670; Jan. 20; Gaz. vol. 198; p. 526.
- Accounting system, Wage and job. F. O. Heuser. No. 1,084,632; Jan. 20; Gaz. vol. 198; p. 513.
- Accounting systems, Means used in. A. F. Norton. No. 1,097,107; May 19; Gaz. vol. 202; p. 740.
- Acetaldehyde, Preparing. E. Baum and M. Mugdan. No. 1,096,667; May 12; Gaz. vol. 202; p. 543.
- Acetaldehyde, Preparing. E. Baum and M. Mugdan. No. 1,107,019; Aug. 11; Gaz. vol. 205; p. 542.
- Acetic anhydrid, Manufacturing. W. A. Beatty. No. 1,113,927; Oct. 13; Gaz. vol. 207; p. 571.
- Acetyl-cellulose solutions, Manufacture of. D. E. Reid. No. 1,095,999; May 5; Gaz. vol. 202; p. 280.
- Acetylation of dichlorohydrocarbons. W. E. Masland. No. 1,102,347; July 7; Gaz. vol. 204; p. 44.
- Acetylation, Process of. W. E. Masland. No. 1,095,013; Apr. 28; Gaz. vol. 201; p. 1122.
- Acetylene generating and storing apparatus. G. Miller. No. 1,106,885; Aug. 11; Gaz. vol. 205; p. 498.
- Acetylene-generating system. A. F. Jenkins. No. 1,096,248; May 12; Gaz. vol. 202; p. 402.
- Acetylene-generating system for train and vehicle lighting. A. F. Jenkins. No. 1,096,247; May 12; Gaz. vol. 202; p. 401.
- Acetylene-generator. E. R. Angell. No. 1,089,355; Mar. 3; Gaz. vol. 200; p. 232.
- Acetylene-generator. E. R. Angell. No. 1,111,726; Sept. 29; Gaz. vol. 206; p. 1157.
- Acetylene-generator. J. A. Bouillon. No. 1,084,691; Jan. 20; Gaz. vol. 198; p. 535.
- Acetylene-generator. W. J. Caskey. No. 1,107,756; Aug. 18; Gaz. vol. 205; p. 853.
- Acetylene-generator. P. Chéraz. No. 1,084,787; Jan. 20; Gaz. vol. 198; p. 568.
- Acetylene-generator. A. Davis and A. C. Collins. No. 1,094,365; Apr. 21; Gaz. vol. 201; p. 832.
- Acetylene-generator. G. L. Freeto. No. 1,117,995; Nov. 24; Gaz. vol. 208; p. 1002.
- Acetylene-generator. J. Harris. No. 1,113,336; Oct. 13; Gaz. vol. 207; p. 365.
- Acetylene-generator. A. F. Jenkins. No. 1,096,245; May 12; Gaz. vol. 202; p. 401.
- Acetylene-generator. A. F. Jenkins. No. 1,096,246; May 12; Gaz. vol. 202; p. 401.
- Acetylene-generator. J. W. Leech. No. 1,097,243; May 19; Gaz. vol. 202; p. 788.
- Acetylene-generator. A. S. Phelps. No. 1,122,152; Dec. 22; Gaz. vol. 209; p. 1251.
- Acetylene-generator. A. S. Phelps and J. N. J. Hilbert. No. 1,121,758; Dec. 22; Gaz. vol. 209; p. 1113.
- Acetylene-generator. F. L. H. Sims. No. 1,100,625; June 16; Gaz. vol. 203; p. 853.
- Acetylene generator and torch. A. F. Jenkins. No. 1,116,821; Nov. 10; Gaz. vol. 208; p. 512.
- Acetylene generator and torch, Portable. A. F. Jenkins. No. 1,116,822; Nov. 10; Gaz. vol. 208; p. 512.
- Acetylene-generator, Automatic. J. H. Klenck. No. 1,114,772; Oct. 27; Gaz. vol. 207; p. 962.
- Acetylene-generators, Carbid-feed mechanism for. J. B. Burdett. No. 1,095,702; May 5; Gaz. vol. 202; p. 181.
- Acid and compounds of the same, Process and apparatus for making phosphoric. F. S. Washburn. No. 1,100,639; June 16; Gaz. vol. 203; p. 857.
- Acid and formaldehyde and azo dyestuffs therefrom and making same, Condensation products from the aryl-amids of 2,3-oxynaphthoic. A. Zitscher, F. Kunert, and E. Acker. No. 1,122,564; Dec. 29; Gaz. vol. 209; p. 1430.
- Acid and potassium bisulfate from potassium chlorid and sulfuric acid, Continuous production of dry hydrochloric. T. Meyer and A. Klages. No. 1,099,451; June 9; Gaz. vol. 203; p. 415.
- Acid anhydrid according to the contact process, Producing sulfuric. H. von Kéler and A. Weindel. No. 1,102,670; July 7; Gaz. vol. 204; p. 157.
- Acid, Bismuth salt of gallo-carboxylic. R. Berendes. No. 1,095,618; May 5; Gaz. vol. 202; p. 152.
- Acid, C-allyl salicylic. L. Claisen. No. 1,094,123; Apr. 21; Gaz. vol. 201; p. 754.
- Acid, Chamber used in the manufacture of sulfuric. W. G. Mills and C. T. Packard. No. 1,112,546; Oct. 6; Gaz. vol. 207; p. 48.
- Acid chlorides of the oxyacids, Production of. L. Karczag and E. Kopetschni. No. 1,106,455; Aug. 11; Gaz. vol. 205; p. 345.
- Acid compounds, Derivative of acylsalicylic-. W. Hiemenz. No. 1,122,201; Dec. 22; Gaz. vol. 209; p. 1268.

Alphabetical list of inventions—Continued.

- Acid, Concentrating nitric. F. Hausmann. No. 1,115,192; Oct. 27; Gaz. vol. 207; p. 1112.
- Acid, Continuous production of nitric. A. Klages. No. 1,099,452; June 9; Gaz. vol. 203; p. 415.
- Acid, Glycolic acid esters of 2-phenyl-quinolin-4-carboxylic. C. Zollner. No. 1,086,881; Feb. 10; Gaz. vol. 199; p. 501.
- Acid, Making the arylamids of 2,3-oxynaphthoic. A. Zitscher. No. 1,101,111; June 23; Gaz. vol. 203; p. 1077.
- Acid, Manufacture of lead salts of acetic. F. J. Kalkow. No. 1,097,099; May 19; Gaz. vol. 202; p. 738.
- Acid, Manufacture of sulfuric. U. Wedge. No. 1,104,590; July 21; Gaz. vol. 204; p. 911.
- Acid manufacture, Sulfuric. U. Wedge. No. 1,106,999; Aug. 11; Gaz. vol. 205; p. 536.
- Acid, Manufacturing phosphoric. F. Brunschwig. No. 1,083,429; Jan. 6; Gaz. vol. 198; p. 58.
- Acid, Manufacturing phosphoric. M. M. Haff. No. 1,084,856; Jan. 20; Gaz. vol. 198; p. 592.
- Acid, Manufacturing phosphoric. I. Hechenbleikner. No. 1,112,211; Sept. 29; Gaz. vol. 206; p. 1337.
- Acid, Manufacturing sulfuric. I. P. Lihme. No. 1,103,522; July 14; Gaz. vol. 204; p. 496.
- Acid, Preparation of gallic. M. Hamel. No. 1,100,730; June 23; Gaz. vol. 203; p. 944.
- Acid, Process and apparatus for making hydrochloric. A. Engelstad. No. 1,121,910; Dec. 22; Gaz. vol. 209; p. 1169.
- Acid, Producing acetic. E. H. French and J. R. Withrow. No. 1,104,978; July 28; Gaz. vol. 204; p. 1093.
- Acid-producing apparatus, Sulfuric. E. H. McFarland. No. 1,112,424; Sept. 29; Gaz. vol. 206; p. 1412.
- Acid, Producing available phosphoric. W. S. Landis. No. 1,094,857; Apr. 28; Gaz. vol. 201; p. 1068.
- Acid, Producing hydrochloric. J. H. Nield. No. 1,102,539; July 7; Gaz. vol. 204; p. 111.
- Acid, Production of boric. A. Burger. No. 1,108,129; Aug. 25; Gaz. vol. 205; p. 1030.
- Acids, Acidyl derivatives of C-ortho-allyl-ortho-benzoic. L. Taub and H. J. Hahl. No. 1,113,713; Oct. 13; Gaz. vol. 207; p. 497.
- Acids, Alkylalkoxymethyl esters of cresotinic. J. Callsen. No. 1,088,966; Mar. 3; Gaz. vol. 200; p. 101.
- Acids and making same, Chromium compounds of oxanthraquinone sulfonic. R. Bohn and C. Immerheiser. No. 1,090,123; Mar. 10; Gaz. vol. 200; p. 545.
- Acids and making same, Double salts of gold hydrocyanic. G. Spiess and A. Feldt. No. 1,115,608; Nov. 3; Gaz. vol. 208; p. 48.
- Acids and their esters, Reduction of unsaturated fatty. C. H. Maryott. No. 1,097,456; May 19; Gaz. vol. 202; p. 861.
- Acids containing arsenic and a halogen, Iron salts of high molecular fatty. E. Fischer. No. 1,101,734; June 30; Gaz. vol. 203; p. 1340.
- Acids containing arsenic and a halogen, Salts of high molecular fatty. E. Fischer. No. 1,101,733; June 30; Gaz. vol. 203; p. 1340.
- Acids from crude petroleum, hydrocarbons, and acid residues, Extracting and separating sulfo-. G. Petroff. No. 1,087,888; Feb. 17; Gaz. vol. 199; p. 897.
- Acids, Magnesium salts of acylated aromatic ortho-oxycarboxylic. R. Berendes and E. Rietz. No. 1,113,742; Oct. 13; Gaz. vol. 207; p. 507.
- Acids, Producing nitric and sulfuric. C. C. Meigs. No. 1,120,960; Dec. 15; Gaz. vol. 209; p. 801.
- Acids, Producing sulfonic. A. Vagt. No. 1,102,827; July 7; Gaz. vol. 204; p. 212.
- Acoustic apparatus. W. B. Featherstone. No. 1,123,185; Dec. 29; Gaz. vol. 209; p. 1652.
- Acoustic diaphragms, Making. W. W. Young. No. 1,097,499; May 19; Gaz. vol. 202; p. 876.
- Actuating mechanism. H. M. Cox. No. 1,112,983; Oct. 6; Gaz. vol. 207; p. 199.
- Actuating mechanism. V. Frank. No. 1,084,621; Jan. 20; Gaz. vol. 198; p. 510.
- Actuating mechanism. H. Pletsch. No. 1,113,686; Oct. 13; Gaz. vol. 207; p. 487.
- Adding and listing machine. R. E. Benner. No. 1,084,591; Jan. 13; Gaz. vol. 198; p. 472.
- Adding and listing machine. R. E. Benner. No. 1,115,889; Nov. 3; Gaz. vol. 208; p. 143.
- Adding and listing machine. F. C. Rinsche. No. 1,114,914; Oct. 27; Gaz. vol. 207; p. 1013.
- Adding and recording machine. J. L. Dalton. No. 1,121,716; Dec. 22; Gaz. vol. 209; p. 1100.
- Adding and recording machine. B. Dysart. No. 1,098,714; June 2; Gaz. vol. 203; p. 122.
- Adding and recording machine. H. Landsiedel. No. 1,103,300; July 14; Gaz. vol. 204; p. 422.
- Adding and recording machine. H. Landsiedel. No. 1,121,734; Dec. 22; Gaz. vol. 209; p. 1106.
- Adding and recording machine. W. H. Pike, Jr. No. 1,094,470; Apr. 28; Gaz. vol. 201; p. 931.
- Adding-machine. L. Babini. No. 1,108,115; Aug. 25; Gaz. vol. 205; p. 1025.
- Adding-machine. M. Baum and J. Wimmer. No. 1,095,545; May 5; Gaz. vol. 202; p. 128.
- Adding-machine. W. J. Brown. No. 1,094,300; Apr. 21; Gaz. vol. 201; p. 812.
- Adding-machine. J. C. Druschke. No. 1,120,138; Dec. 8; Gaz. vol. 209; p. 462.
- Adding-machine. C. E. W. Gardner. No. 1,121,822; Dec. 22; Gaz. vol. 209; p. 1137.
- Adding-machine. J. P. Hunter and H. Kuntzler. No. 1,093,424; Apr. 14; Gaz. vol. 201; p. 480.
- Adding-machine. H. Landsiedel. No. 1,098,739; June 2; Gaz. vol. 203; p. 130.
- Adding-machine. H. Landsiedel. No. 1,119,967; Dec. 8; Gaz. vol. 209; p. 402.
- Adding-machine. F. Madsen and F. G. Wandrey. No. 1,110,327; Sept. 15; Gaz. vol. 206; p. 602.
- Adding-machine. J. B. Moody. No. 1,116,461; Nov. 10; Gaz. vol. 208; p. 379.
- Adding-machine. G. M. Nell. No. 1,087,135; Feb. 17; Gaz. vol. 199; p. 636.
- Adding-machine. H. C. Peters. No. 1,094,012; Apr. 21; Gaz. vol. 201; p. 717.
- Adding-machine. H. C. Peters. No. 1,094,468; Apr. 28; Gaz. vol. 201; p. 930.
- Adding-machine. H. C. Peters. No. 1,116,109; Nov. 3; Gaz. vol. 208; p. 220.
- Adding-machine. G. B. Putnam. No. 1,119,040; Dec. 1; Gaz. vol. 209; p. 50.
- Adding-machine. F. C. Rinsche. No. 1,120,746; Dec. 15; Gaz. vol. 209; p. 725.
- Adding-machine. F. J. Tillman. No. 1,120,347; Dec. 8; Gaz. vol. 209; p. 537.
- Adding-machine. J. D. Ward. No. 1,109,378; Sept. 1; Gaz. vol. 206; p. 187.
- Adding-machine. R. E. Wing. No. 1,118,988; Dec. 1; Gaz. vol. 209; p. 30.
- Adding-machine. L. W. Yaggy. No. 1,122,052; Dec. 22; Gaz. vol. 209; p. 1219.
- Adding-machine carrying mechanism. J. C. Lotterhand. No. 1,102,063; June 30; Gaz. vol. 203; p. 1459.
- Adding-machine provided with chain-drives. B. Behr. No. 1,096,012; May 12; Gaz. vol. 202; p. 322.
- Adding-machine register. J. A. Smith. No. 1,086,410; Feb. 10; Gaz. vol. 199; p. 335.
- Adding-machine register. J. A. Smith. No. 1,114,056; Oct. 20; Gaz. vol. 207; p. 655.
- Adding-machines, Carrying means for. J. C. Lotterhand. No. 1,104,686; July 21; Gaz. vol. 204; p. 942.
- Adding-machines, Check-canceling attachment for. W. B. Rearick. No. 1,117,602; Nov. 17; Gaz. vol. 208; p. 822.
- Adding mechanism. F. L. Fuller. No. 1,088,063; Feb. 24; Gaz. vol. 199; p. 1008.
- Adding mechanism. J. C. Lotterhand. No. 1,102,157; June 30; Gaz. vol. 203; p. 1491.
- Address-pad. C. A. Pierce. No. 1,116,112; Nov. 3; Gaz. vol. 208; p. 222.
- Address-plate. W. R. Allen. No. 1,088,670; Feb. 24; Gaz. vol. 199; p. 1209.
- Address-plate. W. R. Allen. No. 1,122,839; Dec. 29; Gaz. vol. 209; p. 1529.
- Address-plate and index-tab therefor. D. P. Montague and U. G. Lee. No. 1,110,221; Sept. 8; Gaz. vol. 206; p. 525.
- Address-plate and making same. U. G. Lee. No. 1,117,866; Nov. 17; Gaz. vol. 208; p. 917.
- Addressing and inserting machine. T. F. Russell. No. 1,103,846; July 14; Gaz. vol. 204; p. 611.
- Addressing and stamp-affixing machines, Synchronizing device for. S. A. Anderson. No. 1,091,470; Mar. 31; Gaz. vol. 200; p. 1121.
- Addressing envelopes, Manifolding device for. W. T. Smith. No. 1,088,793; Mar. 3; Gaz. vol. 200; p. 43.
- Addressing, folding, and wrapping machine. J. Tomlinson. No. 1,105,315; July 28; Gaz. vol. 204; p. 1210.
- Addressing-machine. S. C. Cox. No. 1,104,967; July 28; Gaz. vol. 204; p. 1089.
- Addressing-machine. S. C. Cox. No. 1,105,322; July 28; Gaz. vol. 204; p. 1213.
- Addressing-machine. S. C. Cox. No. 1,105,323; July 28; Gaz. vol. 204; p. 1213.
- Addressing-machine. F. De Minico. No. 1,104,170; July 21; Gaz. vol. 204; p. 764.
- Addressing-machine. J. S. Duncan. No. 1,102,396; July 7; Gaz. vol. 204; p. 61.
- Addressing-machine. J. S. Duncan. No. 1,110,118; Sept. 8; Gaz. vol. 206; p. 490.
- Addressing-machine. U. G. Lee. No. 1,122,617; Dec. 29; Gaz. vol. 209; p. 1449.
- Addressing-machine. N. Meyers. No. 1,105,814; Aug. 4; Gaz. vol. 205; p. 80.
- Addressing-machine. W. W. Tuck. No. 1,094,824; Apr. 28; Gaz. vol. 201; p. 1057.
- Addressing-machine. H. M. Whitman and L. A. Martin. No. 1,085,394; Jan. 27; Gaz. vol. 198; p. 812.
- Addressing-machine. (coupon-bills.) U. G. Lee. No. 1,122,286; Dec. 29; Gaz. vol. 209; p. 1337.
- Addressing machine. Tag-. W. G. Kirchhoff. No. 1,094,445; Apr. 28; Gaz. vol. 201; p. 921.
- Addressing-machines and the like, Ribbon-inker for. D. C. Hughes. No. 1,088,073; Feb. 24; Gaz. vol. 199; p. 1010.
- Addressing-machines, &c., Feeder for. S. C. Cox. No. 1,087,643; Feb. 17; Gaz. vol. 199; p. 817.
- Adhesive and making same. F. H. Patch. No. 1,113,681; Oct. 13; Gaz. vol. 207; p. 485.

Alphabetical list of inventions—Continued.

- Adhesive-bandage spool. O. C. Schulz. No. 1,086,472; Feb. 10; Gaz. vol. 199; p. 357.
- Adhesive material for gluing purposes. F. Rampichini. No. 1,089,960; Mar. 10; Gaz. vol. 200; p. 489.
- Adhesive plaster. J. Benario. No. 1,100,944; June 23; Gaz. vol. 203; p. 1020.
- Adhesive-plaster box. P. S. Bauer. No. 1,121,062; Dec. 15; Gaz. vol. 209; p. 837.
- Adhesive-plaster container. O. C. Schulz. No. 1,086,473; Feb. 10; Gaz. vol. 199; p. 358.
- Adhesive-plaster spool. P. S. Bauer. No. 1,113,291; Oct. 13; Gaz. vol. 207; p. 349.
- Adhesive preparations to the surface of woven fabrics, Means for applying. F. Hansing. No. 1,112,134; Sept. 29; Gaz. vol. 206; p. 1309.
- Adhesive substance of a light color from seaweeds, Producing an. A. Krefting. No. 1,099,382; June 9; Gaz. vol. 203; p. 392.
- Adhesives giving with cold water strong cementing masses, Manufacturing. J. Kantorowicz. No. 1,105,567; July 28; Gaz. vol. 204; p. 1300.
- Adjustable box. F. Spitz. No. 1,098,132; May 26; Gaz. vol. 202; p. 1143.
- Adjustable bracket. P. A. Davis. No. 1,102,480; July 7; Gaz. vol. 204; p. 91.
- Adjustable bracket. W. S. Graham. No. 1,089,337; Mar. 3; Gaz. vol. 200; p. 225.
- Adjustable bracket for supporting shelves or the like. R. Owen. No. 1,089,863; Mar. 10; Gaz. vol. 200; p. 455.
- Adjustable chair. H. S. Allison. No. 1,111,685; Sept. 22; Gaz. vol. 206; p. 1120.
- Adjustable chair. W. C. Borgert. No. 1,087,526; Feb. 17; Gaz. vol. 199; p. 773.
- Adjustable chair. M. L. Cromer. No. 1,117,979; Nov. 24; Gaz. vol. 208; p. 995.
- Adjustable chute-spring. G. G. George. No. 1,119,593; Dec. 1; Gaz. vol. 209; p. 239.
- Adjustable die. F. W. Strecker. No. 1,087,073; Feb. 10; Gaz. vol. 199; p. 562.
- Adjustable fender. J. L. Young. No. 1,099,630; June 9; Gaz. vol. 203; p. 475.
- Adjustable frame. L. Bland. No. 1,108,123; Aug. 25; Gaz. vol. 205; p. 1028.
- Adjustable frame. A. S. and R. Reid. No. 1,091,245; Mar. 24; Gaz. vol. 200; p. 1006.
- Adjustable gage and marker. E. Fitz. No. 1,110,763; Sept. 15; Gaz. vol. 206; p. 756.
- Adjustable hanger. O. Priem. No. 1,107,110; Aug. 11; Gaz. vol. 205; p. 573.
- Adjustable hanger. H. W. A. Roeder. No. 1,092,815; Apr. 7; Gaz. vol. 201; p. 237.
- Adjustable indicator. J. H. and J. H. Rand, Jr. No. 1,106,843; Aug. 11; Gaz. vol. 205; p. 484.
- Adjustable joint. C. Aalborg. No. 1,107,241; Aug. 11; Gaz. vol. 205; p. 622.
- Adjustable pattern. J. Tessitore. No. 1,095,480; May 5; Gaz. vol. 202; p. 106.
- Adjustable table. G. W. Angell. No. 1,091,615; Mar. 31; Gaz. vol. 200; p. 1171.
- Adjustable ventilator. W. Craine. No. 1,106,029; Aug. 4; Gaz. vol. 205; p. 156.
- Adjustable wrench. A. Gloyer. No. 1,102,040; June 30; Gaz. vol. 203; p. 1451.
- Adjustable wrench. M. R. Hald. No. 1,106,557; Aug. 11; Gaz. vol. 205; p. 384.
- Adjusting device. H. J. Mitchell. No. 1,113,463; Oct. 13; Gaz. vol. 207; p. 410.
- Adjusting device. J. H. Williams. No. 1,088,643; Feb. 24; Gaz. vol. 199; p. 1200.
- Adjusting from a distance any desired objects, Means for. H. Barkhausen and P. Kaminski. No. 1,123,067; Dec. 29; Gaz. vol. 209; p. 1609.
- Adjusting mechanism. B. M. W. Hanson. No. 1,084,627; Jan. 20; Gaz. vol. 198; p. 511.
- Adjusting mechanism. W. T. Sears. No. 1,122,649; Dec. 29; Gaz. vol. 209; p. 1461.
- Adjustment device. D. O'Donnell. No. 1,107,699; Aug. 18; Gaz. vol. 205; p. 833.
- Advertising and amusement device. L. E. Hardin. No. 1,090,207; Mar. 17; Gaz. vol. 200; p. 616.
- Advertising apparatus. G. Brown. No. 1,114,223; Oct. 20; Gaz. vol. 207; p. 716.
- Advertising apparatus. G. B. Kelley. No. 1,118,904; Nov. 24; Gaz. vol. 208; p. 1316.
- Advertising apparatus. Y. Masuzawa. No. 1,088,603; Feb. 24; Gaz. vol. 199; p. 1186.
- Advertising apparatus. C. R. Pierce. No. 1,115,103; Oct. 27; Gaz. vol. 207; p. 1080.
- Advertising-button. G. W. Weber. No. 1,094,952; Apr. 28; Gaz. vol. 201; p. 1101.
- Advertising chair-arm. W. P. Le Furge. No. 1,094,154; Apr. 21; Gaz. vol. 201; p. 766.
- Advertising device. J. Buckley. No. 1,099,914; June 16; Gaz. vol. 203; p. 609.
- Advertising device. N. C. Durand. No. 1,087,110; Feb. 17; Gaz. vol. 199; p. 628.
- Advertising device. W. T. Faucett. No. 1,094,709; Apr. 28; Gaz. vol. 201; p. 1017.
- Advertising device. F. H. Feraud. No. 1,097,922; May 26; Gaz. vol. 202; p. 1071.
- Advertising device. A. T. Fischer. No. 1,090,142; Mar. 17; Gaz. vol. 200; p. 592.
- Advertising device. A. Giegerich. No. 1,111,957; Sept. 29; Gaz. vol. 206; p. 1250.
- Advertising device. C. A. Homrig. No. 1,118,488; Nov. 24; Gaz. vol. 208; p. 1176.
- Advertising device. E. S. Jaros and W. R. Wilson. No. 1,087,295; Feb. 17; Gaz. vol. 199; p. 693.
- Advertising device. H. J. Keating. No. 1,084,641; Jan. 20; Gaz. vol. 198; p. 517.
- Advertising device. H. J. Keating. No. 1,121,561; Dec. 15; Gaz. vol. 209; p. 1010.
- Advertising device. W. B. Mathewson. No. 1,083,549; Jan. 6; Gaz. vol. 198; p. 96.
- Advertising device. H. R. Palmer. No. 1,097,933; May 26; Gaz. vol. 202; p. 1074.
- Advertising device. L. H. Pummill. No. 1,115,021; Oct. 27; Gaz. vol. 207; p. 1051.
- Advertising device. A. Russell. No. 1,118,370; Nov. 24; Gaz. vol. 208; p. 1133.
- Advertising device. H. and H. J. Schmitt. No. 1,092,175; Apr. 7; Gaz. vol. 201; p. 17.
- Advertising device. P. C. Scott. No. 1,100,785; June 23; Gaz. vol. 203; p. 962.
- Advertising device. E. B. Shanks. No. 1,090,172; Mar. 17; Gaz. vol. 200; p. 603.
- Advertising device. J. Simpson. No. 1,091,399; Mar. 24; Gaz. vol. 200; p. 1054.
- Advertising device. A. Soulages. No. 1,085,365; Jan. 27; Gaz. vol. 198; p. 802.
- Advertising device. O. S. Thal. No. 1,120,345; Dec. 8; Gaz. vol. 209; p. 536.
- Advertising device. H. Waldes. No. 1,116,178; Nov. 3; Gaz. vol. 208; p. 243.
- Advertising device, Amusement. E. M. Erdmann. No. 1,112,060; Sept. 29; Gaz. vol. 206; p. 1284.
- Advertising device, Coin-controlled. B. J. Driver. No. 1,097,545; May 19; Gaz. vol. 202; p. 890.
- Advertising device, Curtain. M. Kyle. No. 1,120,723; Dec. 15; Gaz. vol. 209; p. 718.
- Advertising device especially adapted for the exhibition of paints, calcimines, and similar manufactures. H. W. Pearson. No. 1,111,320; Sept. 22; Gaz. vol. 206; p. 992.
- Advertising device, Live-motion. J. F. Medveczky. No. 1,095,410; May 5; Gaz. vol. 202; p. 81.
- Advertising device, Moving. C. S. Jackson. No. 1,118,013; Nov. 24; Gaz. vol. 208; p. 1007.
- Advertising display device. H. Grad, S. H. Kleeberg, and W. Harris. No. 1,107,293; Aug. 18; Gaz. vol. 205; p. 687.
- Advertising-machine. F. H. Newton. No. 1,095,346; May 5; Gaz. vol. 202; p. 59.
- Advertising-machine. J. F. Porter. No. 1,112,656; Oct. 6; Gaz. vol. 207; p. 88.
- Advertising mechanism, Display. D. H. Ward. No. 1,090,668; Mar. 17; Gaz. vol. 200; p. 776.
- Advertising medium. G. T. Fielding. No. 1,101,422; June 23; Gaz. vol. 203; p. 1183.
- Advertising novelty. W. S. Haseltine. No. 1,095,111; Apr. 28; Gaz. vol. 201; p. 1153.
- Advertising novelty. I. Heidenreich. No. 1,105,655; Aug. 4; Gaz. vol. 205; p. 24.
- Advertising or display device. E. S. Lorimer. No. 1,101,647; June 30; Gaz. vol. 203; p. 1312.
- Advertising waste-paper box. E. B. Cooke and C. O. Lewis. No. 1,108,066; Aug. 18; Gaz. vol. 205; p. 960.
- Aerating and irrigating apparatus, Soil. L. W. Carr. No. 1,108,334; Aug. 25; Gaz. vol. 205; p. 1101.
- Aerating apparatus. O. Zistel. No. 1,109,193; Sept. 1; Gaz. vol. 206; p. 120.
- Aerial amusement apparatus. T. E. Wade. No. 1,093,506; Apr. 14; Gaz. vol. 201; p. 504.
- Aerial cableway. W. F. Izett. No. 1,087,062; Feb. 10; Gaz. vol. 199; p. 558.
- Aerial cableway. W. F. Izett. No. 1,087,063; Feb. 10; Gaz. vol. 199; p. 559.
- Aerial life-saving device. D. W. Ogilvie. No. 1,110,710; Sept. 15; Gaz. vol. 206; p. 756.
- Aerial machine. H. B. Lister. No. 1,084,807; Jan. 20; Gaz. vol. 198; p. 575.
- Aerial machine. F. W. T. Taylor. No. 1,122,171; Dec. 22; Gaz. vol. 209; p. 1257.
- Aerial machine. L. J. Tetlow. No. 1,114,311; Oct. 20; Gaz. vol. 207; p. 747.
- Aerial machine. A. A. Wyckoff. No. 1,084,777; Jan. 20; Gaz. vol. 198; p. 564.
- Aerial machine, Armored. P. Daimler. No. 1,095,711; May 5; Gaz. vol. 202; p. 183.
- Aerial machine, Armored. P. Daimler. No. 1,098,785; June 2; Gaz. vol. 203; p. 145.
- Aerial machines, Rotary combustion-engine for. L. Vallez. No. 1,097,150; May 19; Gaz. vol. 202; p. 756.
- Aerial motor-vehicle. H. B. Lister. No. 1,084,806; Jan. 20; Gaz. vol. 198; p. 574.
- Aerial navigation. M. B. Sellers. No. 1,096,129; May 12; Gaz. vol. 202; p. 361.
- Aerial navigation. M. B. Sellers. No. 1,096,130; May 12; Gaz. vol. 202; p. 361.

Alphabetical list of inventions—Continued.

- Aerial navigation, Propelling or receiving fluid reaction machine especially applicable to. G. Desaulles. No. 1,102,016; June 30; Gaz. vol. 203; p. 1442.
- Aerial or other unstable machines, Means for automatically effecting and maintaining the equilibrium of. J. S. Lang. No. 1,096,251; May 12; Gaz. vol. 202; p. 403.
- Aerial propeller. A. D. MacDonald. No. 1,095,649; May 5; Gaz. vol. 202; p. 162.
- Aerial torpedo. A. M. Shuhany. No. 1,087,192; Feb. 17; Gaz. vol. 199; p. 655.
- Aerial vessel. L. Bognár. No. 1,108,830; Aug. 25; Gaz. vol. 205; p. 1272.
- Aerocycle, Centrifugal. R. J. McLaughlin. No. 1,090,322; Mar. 17; Gaz. vol. 200; p. 655.
- Aeromobile. E. Berliner. No. 1,115,162; Oct. 27; Gaz. vol. 207; p. 1101.
- Aeronautical apparatus. E. Bouillet. No. 1,084,248; Jan. 13; Gaz. vol. 198; p. 360.
- Aeronautical machine. A. F. J. Doutré. No. 1,084,796; Jan. 20; Gaz. vol. 198; p. 571.
- Aeronautical machine. J. R. Porter. No. 1,104,542; July 21; Gaz. vol. 204; p. 894.
- Aeronautical power plant. H. W. Jacobs. No. 1,110,489; Sept. 15; Gaz. vol. 206; p. 660.
- Aeronautical vehicles, Stabilizer for. W. F. Hensel. No. 1,112,794; Oct. 6; Gaz. vol. 207; p. 134.
- Aeroplane. A. Ahlbrecht. No. 1,092,888; Apr. 14; Gaz. vol. 201; p. 297.
- Aeroplane. R. Arnoux. No. 1,095,952; May 5; Gaz. vol. 202; p. 264.
- Aeroplane. W. Auberlin. No. 1,098,547; June 2; Gaz. vol. 203; p. 67.
- Aeroplane. H. B. Barret. No. 1,095,782; May 5; Gaz. vol. 202; p. 208.
- Aeroplane. J. C. Battista. No. 1,112,885; Oct. 6; Gaz. vol. 207; p. 166.
- Aeroplane. J. E. Bissell. No. 1,112,110; Sept. 29; Gaz. vol. 206; p. 1301.
- Aeroplane. T. Bollin. No. 1,117,315; Nov. 17; Gaz. vol. 208; p. 724.
- Aeroplane. O. Brunicardi. No. 1,085,968; Feb. 3; Gaz. vol. 199; p. 139.
- Aeroplane. J. Buttner. No. 1,104,624; July 21; Gaz. vol. 204; p. 921.
- Aeroplane. D. M. Calhoun. No. 1,087,724; Feb. 17; Gaz. vol. 199; p. 845.
- Aeroplane. O. Calum. No. 1,121,473; Dec. 15; Gaz. vol. 209; p. 978.
- Aeroplane. W. G. Canon. No. 1,112,260; Sept. 29; Gaz. vol. 206; p. 1355.
- Aeroplane. J. Q. Chase. No. 1,107,494; Aug. 18; Gaz. vol. 205; p. 760.
- Aeroplane. H. L. Coakley. No. 1,110,895; Sept. 15; Gaz. vol. 206; p. 804.
- Aeroplane. H. Corbin. No. 1,104,347; July 21; Gaz. vol. 204; p. 825.
- Aeroplane. J. Coronel. No. 1,115,510; Nov. 3; Gaz. vol. 208; p. 15.
- Aeroplane. J. V. Crowthers. No. 1,098,098; May 26; Gaz. vol. 202; p. 1132.
- Aeroplane. J. M. Davis. No. 1,107,913; Aug. 18; Gaz. vol. 205; p. 905.
- Aeroplane. M. A. Denine. No. 1,117,556; Nov. 17; Gaz. vol. 208; p. 808.
- Aeroplane. R. Esnault-Pelterie. No. 1,115,795; Nov. 3; Gaz. vol. 208; p. 110.
- Aeroplane. E. D. and J. D. Francis. No. 1,083,394; Jan. 6; Gaz. vol. 198; p. 45.
- Aeroplane. B. T. Hamilton. No. 1,106,804; Aug. 11; Gaz. vol. 205; p. 469.
- Aeroplane. A. E. Holbrook. No. 1,086,916; Feb. 10; Gaz. vol. 199; p. 512.
- Aeroplane. A. A. Holle. No. 1,115,073; Oct. 27; Gaz. vol. 207; p. 1070.
- Aeroplane. A. Jacoby. No. 1,110,792; Sept. 15; Gaz. vol. 206; p. 766.
- Aeroplane. F. T. Jones. No. 1,106,099; Aug. 4; Gaz. vol. 205; p. 181.
- Aeroplane. M. L. Kors. No. 1,098,735; June 2; Gaz. vol. 203; p. 129.
- Aeroplane. J. S. Lang. No. 1,096,255; May 12; Gaz. vol. 202; p. 405.
- Aeroplane. W. E. Lee. No. 1,121,262; Dec. 15; Gaz. vol. 209; p. 907.
- Aeroplane. H. Manson-Olin. No. 1,103,820; July 14; Gaz. vol. 204; p. 603.
- Aeroplane. C. M. McMahon. No. 1,084,099; Jan. 13; Gaz. vol. 198; p. 308.
- Aeroplane. C. M. McMahon. No. 1,119,363; Dec. 1; Gaz. vol. 209; p. 160.
- Aeroplane. J. E. McWhorter. No. 1,115,710; Nov. 3; Gaz. vol. 208; p. 84.
- Aeroplane. M. Mellard. No. 1,097,038; May 19; Gaz. vol. 202; p. 716.
- Aeroplane. S. Mroczkowski. No. 1,096,639; May 12; Gaz. vol. 202; p. 535.
- Aeroplane. G. L. Oliver. No. 1,102,790; July 7; Gaz. vol. 204; p. 198.
- Aeroplane. H. H. Pagny. No. 1,099,762; June 9; Gaz. vol. 203; p. 520.
- Aeroplane. M. Perrotta. No. 1,099,467; June 9; Gaz. vol. 203; p. 420.
- Aeroplane. R. R. Reed. No. 1,094,249; Apr. 21; Gaz. vol. 201; p. 797.
- Aeroplane. J. Roche. No. 1,083,464; Jan. 6; Gaz. vol. 198; p. 69.
- Aeroplane. V. N. Rosato. No. 1,116,926; Nov. 10; Gaz. vol. 208; p. 548.
- Aeroplane. J. L. Rugg. No. 1,084,168; Jan. 13; Gaz. vol. 198; p. 332.
- Aeroplane. J. F. Sandell. No. 1,099,573; June 9; Gaz. vol. 203; p. 457.
- Aeroplane. R. Seidelinger. No. 1,083,565; Jan. 6; Gaz. vol. 198; p. 101.
- Aeroplane. J. T. Simpson. No. 1,098,129; May 26; Gaz. vol. 202; p. 1142.
- Aeroplane. J. T. Simpson. No. 1,098,131; May 26; Gaz. vol. 202; p. 1143.
- Aeroplane. F. H. Smith. No. 1,110,355; Sept. 15; Gaz. vol. 206; p. 613.
- Aeroplane. J. Stasiak. No. 1,108,941; Sept. 1; Gaz. vol. 206; p. 29.
- Aeroplane. R. B. Swank. No. 1,089,880; Mar. 10; Gaz. vol. 200; p. 461.
- Aeroplane. W. I. Twombly. No. 1,112,731; Oct. 6; Gaz. vol. 207; p. 114.
- Aeroplane. W. E. Verclaire. No. 1,093,746; Apr. 21; Gaz. vol. 201; p. 629.
- Aeroplane. W. E. Verclaire. No. 1,106,428; Aug. 11; Gaz. vol. 205; p. 334.
- Aeroplane. G. Wilds. No. 1,106,020; Aug. 4; Gaz. vol. 205; p. 151.
- Aeroplane and dirigible balloon, Combination. A. E. Mueller. No. 1,106,350; Aug. 4; Gaz. vol. 205; p. 263.
- Aeroplane and safety appliance. H. E. Hawes. No. 1,104,889; July 28; Gaz. vol. 204; p. 1062.
- Aeroplane-balancing mechanism. H. E. Hawes. No. 1,113,623; Oct. 13; Gaz. vol. 207; p. 465.
- Aeroplane compass and inclinometer. H. L. E. Johnson. No. 1,097,925; May 26; Gaz. vol. 202; p. 1072.
- Aeroplane construction. R. A. Emmons. No. 1,112,126; Sept. 29; Gaz. vol. 206; p. 1306.
- Aeroplane control mechanism. R. Tampier. No. 1,084,829; Jan. 20; Gaz. vol. 198; p. 532.
- Aeroplane-controlling device. J. P. Nissen. No. 1,085,932; Feb. 3; Gaz. vol. 199; p. 125.
- Aeroplane-engine. C. F. Jenkins. No. 1,089,645; Mar. 10; Gaz. vol. 200; p. 381.
- Aeroplane-fuselage. A. J. A. Deperdussin. No. 1,106,193; Aug. 4; Gaz. vol. 205; p. 212.
- Aeroplane-governor. R. E. Kellogg. No. 1,097,645; May 26; Gaz. vol. 202; p. 970.
- Aeroplane-gun. C. Davis. No. 1,108,714; Aug. 25; Gaz. vol. 205; p. 1232.
- Aeroplane-landing device. J. T. Amiss. No. 1,085,000; Jan. 20; Gaz. vol. 198; p. 639.
- Aeroplane or flying-machine. C. F. Jenkins. No. 1,092,365; Apr. 7; Gaz. vol. 201; p. 83.
- Aeroplane or other unstable machine. J. S. Lang. No. 1,096,252; May 12; Gaz. vol. 202; p. 404.
- Aeroplane parachute attachment. O. Kropp. No. 1,101,196; June 23; Gaz. vol. 203; p. 1106.
- Aeroplane pendulum-balance. H. Morse. No. 1,099,508; June 9; Gaz. vol. 203; p. 433.
- Aeroplane running-gear. F. McCarroll. No. 1,097,816; May 26; Gaz. vol. 202; p. 1032.
- Aeroplane, Safety-. T. S. Haynes. No. 1,117,043; Nov. 10; Gaz. vol. 208; p. 588.
- Aeroplane safety device. N. Lacrotte. No. 1,104,429; July 21; Gaz. vol. 204; p. 852.
- Aeroplane-stabilizing apparatus. O. A. Budig. No. 1,083,347; Jan. 6; Gaz. vol. 198; p. 29.
- Aeroplane-stabilizing device. D. S. Dickens. No. 1,097,584; May 19; Gaz. vol. 202; p. 904.
- Aeroplanes, airships, vessels, and the like, Screw-propeller for. O. Brunner. No. 1,105,753; Aug. 4; Gaz. vol. 205; p. 59.
- Aeroplanes and aerial machines, Wing or supporting-plane for. J. Weiss and A. Keith. No. 1,092,192; Apr. 7; Gaz. vol. 201; p. 23.
- Aeroplanes and the like, Levitating apparatus for starting and stopping. E. Bachelet. No. 1,088,511; Feb. 24; Gaz. vol. 199; p. 1158.
- Aeroplanes, Apparatus for firing projectiles from. C. Davis. No. 1,108,715; Aug. 25; Gaz. vol. 205; p. 1233.
- Aeroplanes, Automatic parachute attachment for. R. F. Hommel. No. 1,092,443; Apr. 7; Gaz. vol. 201; p. 111.
- Aeroplanes, Curving rib for the supporting-surfaces of. P. C. Elliott. No. 1,115,291; Oct. 27; Gaz. vol. 207; p. 1145.
- Aeroplanes for wireless signaling, Antenna structure on. W. Hahnemann. No. 1,116,059; Nov. 3; Gaz. vol. 208; p. 203.
- Aeroplanes, Front wheel for. H. A. Orme. No. 1,106,519; Aug. 11; Gaz. vol. 205; p. 370.
- Aeroplanes, Hull for hydro-. C. H. Flint. No. 1,110,918; Sept. 15; Gaz. vol. 206; p. 812.
- Aeroplanes, Means for increasing the stability of. W. L. Marr. No. 1,104,056; July 21; Gaz. vol. 204; p. 725.
- Aeroplanes, Parachute attachment for. J. F. Medveczky. No. 1,116,312; Nov. 3; Gaz. vol. 208; p. 287.

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- Aeroplanes, Post connection for. L. F. Miller. No. 1,089,144; Mar. 3; Gaz. vol. 200; p. 164.
- Aeroplanes, Transmission-gear for. H. A. Orme. No. 1,113,044; Oct. 6; Gaz. vol. 207; p. 219.
- Aerostat. J. R. Gammeter. No. 1,118,195; Nov. 24; Gaz. vol. 208; p. 1071.
- Agitator. J. V. N. Dorr. No. 1,109,210; Sept. 1; Gaz. vol. 206; p. 125.
- Agitator. C. N. Ecklyn. No. 1,103,949; July 21; Gaz. vol. 204; p. 689.
- Agricultural apparatus. C. G. G. Groupe. No. 1,113,431; Oct. 13; Gaz. vol. 207; p. 400.
- Agricultural apparatus. D. T. Phillips. No. 1,113,684; Oct. 13; Gaz. vol. 207; p. 486.
- Agricultural engineering. R. A. Fessenden. No. 1,121,722; Dec. 22; Gaz. vol. 209; p. 1102.
- Agricultural implement. O. G. Anderson. No. 1,096,586; May 12; Gaz. vol. 202; p. 516.
- Agricultural implement. F. Billborn. No. 1,086,015; Feb. 3; Gaz. vol. 199; p. 156.
- Agricultural implement. J. W. Bruce. No. 1,106,541; Aug. 11; Gaz. vol. 205; p. 377.
- Agricultural implement. W. H. Cowdery. No. 1,110,673; Sept. 15; Gaz. vol. 206; p. 726.
- Agricultural implement. E. H. Cox. No. 1,088,969; Mar. 3; Gaz. vol. 200; p. 102.
- Agricultural implement. C. W. Dickinson. No. 1,119,780; Dec. 1; Gaz. vol. 209; p. 301.
- Agricultural implement. E. W. Mibók. No. 1,116,315; Nov. 3; Gaz. vol. 208; p. 288.
- Agricultural implement. A. Sorenson. No. 1,102,448; July 7; Gaz. vol. 204; p. 79.
- Agricultural implement. W. B. Thomas. No. 1,113,382; Oct. 13; Gaz. vol. 207; p. 382.
- Agricultural implement. W. C. Trompeter. No. 1,114,940; Oct. 27; Gaz. vol. 207; p. 1022.
- Agricultural-implement frame. A. O. Gahr. No. 1,103,924; July 14; Gaz. vol. 204; p. 638.
- Agricultural machine. F. C. Blair. No. 1,117,312; Nov. 17; Gaz. vol. 208; p. 724.
- Agricultural machine. L. L. Carpenter. No. 1,116,011; Nov. 3; Gaz. vol. 208; p. 187.
- Agricultural machine. L. C. Irion. No. 1,111,465; Sept. 22; Gaz. vol. 206; p. 1042.
- Agricultural machine. E. M. Kramer. No. 1,115,839; Nov. 3; Gaz. vol. 208; p. 126.
- Agricultural machine. D. T. Phillips. No. 1,112,091; Sept. 29; Gaz. vol. 206; p. 1295.
- Agricultural machine. E. B. and S. F. Talbot and S. D. Dossie. No. 1,085,508; Jan. 27; Gaz. vol. 198; p. 848.
- Agricultural-machine frame. W. R. Jones. No. 1,116,709; Nov. 10; Gaz. vol. 208; p. 472.
- Agricultural machine, Motor-driven. H. O. Brown and A. H. Lowe. No. 1,123,086; Dec. 29; Gaz. vol. 209; p. 1616.
- Agricultural-machine spring-seat. A. L. Etherington. No. 1,093,042; Apr. 14; Gaz. vol. 201; p. 349.
- Agricultural machines, Driving device for. E. Kund. No. 1,083,935; Jan. 13; Gaz. vol. 198; p. 251.
- Agricultural machines, Hauling device for. W. von Raczynski. No. 1,104,312; July 21; Gaz. vol. 204; p. 811.
- Agricultural machinery. J. M. Rutledge. No. 1,088,038; Feb. 24; Gaz. vol. 199; p. 999.
- Agricultural soil-working machine. H. C. Waite. No. 1,120,255; Dec. 8; Gaz. vol. 209; p. 504.
- Agricultural system, Electrical. C. S. Doney. No. 1,085,802; Feb. 3; Gaz. vol. 199; p. 80.
- Agriculture, Implement of. B. Vale. No. 1,110,244; Sept. 8; Gaz. vol. 206; p. 533.
- Air and controlling the humidity and temperature thereof, Humidifying. W. H. Carrier. No. 1,085,971; Feb. 3; Gaz. vol. 199; p. 140.
- Air and gas compressor. M. Riesner. No. 1,092,396; Apr. 7; Gaz. vol. 201; p. 94.
- Air and gases, Means for removing moisture from. P. Schou. No. 1,086,089; Feb. 3; Gaz. vol. 199; p. 183.
- Air and other elastic fluids, Apparatus for compressing. E. W. Jones. No. 1,107,957; Aug. 18; Gaz. vol. 205; p. 920.
- Air, Apparatus for ascertaining the degree of purity of. J. Calafat y León. No. 1,101,400; June 23; Gaz. vol. 203; p. 1175.
- Air, Apparatus for controlling the humidity and temperature of. W. H. Carrier. No. 1,095,156; Apr. 28; Gaz. vol. 201; p. 1170.
- Air, Apparatus for supplying humidified and scented. F. W. Kallusch. No. 1,121,845; Dec. 22; Gaz. vol. 209; p. 1146.
- Air-blast, Chair-operated. E. Jurkowski. No. 1,118,353; Nov. 24; Gaz. vol. 208; p. 1126.
- Air-brake. A. Doan. No. 1,097,305; May 19; Gaz. vol. 202; p. 811.
- Air-brake. A. J. Gaulin and A. Van Wyke. No. 1,120,302; Dec. 8; Gaz. vol. 209; p. 520.
- Air-brake. A. J. Wisner. No. 1,091,416; Mar. 24; Gaz. vol. 200; p. 1058.
- Air-brake. G. B. Wolf. No. 1,083,971; Jan. 13; Gaz. vol. 198; p. 265.
- Air-brake. G. B. Wolf. No. 1,118,520; Nov. 24; Gaz. vol. 208; p. 1186.
- Air-brake. E. W. Woolley. No. 1,118,994; Dec. 1; Gaz. vol. 209; p. 32.
- Air-brake accelerator. J. de Lipkowski. No. 1,083,891; Jan. 6; Gaz. vol. 198; p. 205.
- Air-brake apparatus. J. W. Bingley. No. 1,118,886; Nov. 24; Gaz. vol. 208; p. 1310.
- Air-brake apparatus. W. R. Davis. No. 1,095,087; Apr. 28; Gaz. vol. 201; p. 1145.
- Air-brake apparatus. F. and T. R. Kosler and T. Bemis. No. 1,114,152; Oct. 20; Gaz. vol. 207; p. 690.
- Air-brake apparatus. B. J. Minnier. No. 1,093,454; Apr. 14; Gaz. vol. 201; p. 489.
- Air-brake apparatus. W. E. Parker. No. 1,092,949; Apr. 14; Gaz. vol. 201; p. 318.
- Air-brake appliance, Safety. A. A. Carpenter. No. 1,090,274; Mar. 17; Gaz. vol. 200; p. 639.
- Air brake, Combined automatic and straight. W. V. Turner. No. 1,112,494; Oct. 6; Gaz. vol. 207; p. 28.
- Air brake, Compressed. J. de Lipkowski. No. 1,084,574; Jan. 13; Gaz. vol. 198; p. 465.
- Air-brake control for railways, Automatic. H. J. Warthen. No. 1,090,806; Mar. 17; Gaz. vol. 200; p. 820.
- Air-brake-controlling mechanism for block-signal systems. D. Dale. No. 1,113,314; Oct. 13; Gaz. vol. 207; p. 357.
- Air-brake coupling, Automatic. D. R. Nugen. No. 1,084,955; Jan. 20; Gaz. vol. 198; p. 624.
- Air-brake detail. B. W. Davis. No. 1,100,958; June 23; Gaz. vol. 203; p. 1024.
- Air-brake device, Emergency. J. H. Macleary. No. 1,103,790; July 14; Gaz. vol. 204; p. 593.
- Air-brake, Electrically-operated. H. L. Tooker. No. 1,084,506; Jan. 13; Gaz. vol. 198; p. 440.
- Air-brake for railway-cars, Automatic. W. C. Canion. No. 1,099,841; June 9; Gaz. vol. 203; p. 546.
- Air-brake, Load-controlled. J. R. Snyder. No. 1,091,596; Mar. 31; Gaz. vol. 200; p. 1164.
- Air-brake mechanism. J. B. Wright and F. O. Lawson. No. 1,115,644; Nov. 3; Gaz. vol. 208; p. 60.
- Air-brake mechanism. J. B. Wright and F. O. Lawson. No. 1,115,645; Nov. 3; Gaz. vol. 208; p. 60.
- Air-brake-operating mechanism for railway-trains, Automatic. W. R. Shaw. No. 1,116,136; Nov. 3; Gaz. vol. 208; p. 229.
- Air-brake retainer, Automatic. J. M. Carter. (Reissue.) No. 1,3771; July 14; Gaz. vol. 204; p. 640.
- Air-brake-setting device. J. H. Watters. No. 1,096,334; May 12; Gaz. vol. 202; p. 433.
- Air-brake system. H. D. Carroll. No. 1,122,253; Dec. 29; Gaz. vol. 209; p. 1326.
- Air-brake system. F. H. Dukesmith. No. 1,092,812; Apr. 7; Gaz. vol. 201; p. 236.
- Air-brake system. J. R. Snyder. No. 1,094,943; Apr. 28; Gaz. vol. 201; p. 1097.
- Air-brake system. J. R. Snyder. No. 1,102,099; June 30; Gaz. vol. 203; p. 1471.
- Air-brake system and apparatus. N. A. Christensen. No. 1,116,564; Nov. 10; Gaz. vol. 208; p. 419.
- Air-brake system, Automatic. W. Miller. No. 1,104,693; July 21; Gaz. vol. 204; p. 944.
- Air-brake system, Double-Leading. F. H. Dukesmith. No. 1,102,020; June 30; Gaz. vol. 203; p. 1444.
- Air-brake system, Electropneumatic. J. P. Costelloe. No. 1,115,286; Oct. 27; Gaz. vol. 207; p. 1143.
- Air-brakes, Apparatus for electrically controlling. E. L. Orcutt. No. 1,114,642; Oct. 20; Gaz. vol. 207; p. 862.
- Air-brakes, Apparatus for electrically controlling. E. L. Orcutt. No. 1,114,643; Oct. 20; Gaz. vol. 207; p. 863.
- Air-brakes, Automatic retainer for. J. O. Harrison. No. 1,109,287; Sept. 1; Gaz. vol. 206; p. 152.
- Air, Carbureting. C. V. Stuart. No. 1,102,701; July 7; Gaz. vol. 204; p. 167.
- Air-carbureting apparatus. E. D. Kendall. No. 1,104,427; July 21; Gaz. vol. 204; p. 852.
- Air-carbureting apparatus. C. V. Stuart. No. 1,102,702; July 7; Gaz. vol. 204; p. 167.
- Air-carbureting means. W. A. Dougherty. No. 1,118,897; Nov. 24; Gaz. vol. 208; p. 1313.
- Air-cleaning machine. H. S. F. Barner. No. 1,100,940; June 23; Gaz. vol. 203; p. 1019.
- Air cleansing and humidifying machine. H. E. Leach. No. 1,100,677; June 16; Gaz. vol. 203; p. 869.
- Air-compressing apparatus. H. H. Frey. No. 1,108,984; Sept. 1; Gaz. vol. 206; p. 44.
- Air-compressing apparatus. S. G. Skinner. No. 1,119,889; Dec. 8; Gaz. vol. 209; p. 376.
- Air-compressing machine. A. L. Ellis. No. 1,109,519; Sept. 1; Gaz. vol. 206; p. 232.
- Air-compressor. L. Clawson. No. 1,112,054; Sept. 29; Gaz. vol. 206; p. 1282.
- Air-compressor. C. Day and G. E. Windeler. No. 1,088,265; Feb. 24; Gaz. vol. 199; p. 1076.
- Air-compressor. C. H. Erickson. No. 1,091,313; Mar. 24; Gaz. vol. 200; p. 1026.
- Air-compressor. A. F. Feller. No. 1,110,123; Sept. 8; Gaz. vol. 206; p. 491.

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- Air-compressor. P. H. Reardon. No. 1,097,878; May 26; Gaz. vol. 202; p. 1054.
- Air-compressor. J. O. Rogers and W. H. Nevin. No. 1,117,911; Nov. 17; Gaz. vol. 208; p. 931.
- Air-compressor. J. H. Thomas. No. 1,109,154; Sept. 1; Gaz. vol. 206; p. 105.
- Air-compressor. G. N. Wilkinson and F. M. Hamilton. No. 1,100,109; June 16; Gaz. vol. 203; p. 677.
- Air compressor and motor, Combined. D. E. Crouse, C. G. Eidson, and T. Davis. No. 1,105,494; July 28; Gaz. vol. 204; p. 1274.
- Air-compressor, Centrifugal. S. A. Moss. No. 1,119,713; Dec. 1; Gaz. vol. 209; p. 279.
- Air-compressor, Centrifugal. R. H. Rice. No. 1,087,401; Feb. 17; Gaz. vol. 199; p. 729.
- Air-compressor, Centrifugal. R. H. Rice. No. 1,097,729; May 26; Gaz. vol. 202; p. 1001.
- Air compressor or motor. W. A. Warman. No. 1,109,805; Sept. 8; Gaz. vol. 206; p. 374.
- Air compressor or pump. V. J. Guthrie. No. 1,108,434; Aug. 25; Gaz. vol. 205; p. 1135.
- Air-compressor, Wave-actuated. S. Caldwell. No. 1,085,242; Jan. 27; Gaz. vol. 198; p. 759.
- Air-compressors, Means for cooling the valve-chests of. C. W. Boring. No. 1,113,873; Oct. 13; Gaz. vol. 207; p. 554.
- Air-conditioning apparatus. F. Bain. No. 1,115,767; Nov. 3; Gaz. vol. 208; p. 101.
- Air-conditioning apparatus. A. A. Blomfeldt. No. 1,113,950; Oct. 20; Gaz. vol. 207; p. 619.
- Air-cooling device. O. Sterkel. No. 1,117,922; Nov. 17; Gaz. vol. 208; p. 935.
- Air-coupling device. R. Geiser. No. 1,093,613; Apr. 21; Gaz. vol. 201; p. 582.
- Air-craft. W. R. Gordon. No. 1,103,195; July 14; Gaz. vol. 204; p. 388.
- Air-craft. F. D. Hollidge. No. 1,112,615; Oct. 6; Gaz. vol. 207; p. 74.
- Air-craft, Apparatus for firing projectiles from. C. Davis. No. 1,108,716; Aug. 25; Gaz. vol. 205; p. 1233.
- Air-craft, Fixed ammunition for use on. C. Davis. No. 1,108,717; Aug. 25; Gaz. vol. 205; p. 1234.
- Air-craft, Means for destroying. J. A. Steinmetz. No. 1,092,760; Apr. 7; Gaz. vol. 201; p. 218.
- Air-craft safety appliance. E. L. Waight. No. 1,103,233; July 14; Gaz. vol. 204; p. 400.
- Air-craft propeller. K. Schultze. No. 1,089,872; Mar. 10; Gaz. vol. 200; p. 458.
- Air-craft-steering apparatus. A. Gustiana. No. 1,118,124; Nov. 24; Gaz. vol. 208; p. 1047.
- Air-cushion and shock-absorber, Automatic. M. V. Ruff. No. 1,103,084; July 14; Gaz. vol. 204; p. 346.
- Air-cushion for rubber stamps. C. C. Gibson. No. 1,103,670; July 14; Gaz. vol. 204; p. 553.
- Air-deflecting plate. D. J. Irish. No. 1,086,713; Feb. 10; Gaz. vol. 199; p. 441.
- Air-drying apparatus. S. H. Kelm. No. 1,098,506; June 2; Gaz. vol. 203; p. 52.
- Air-drying process and apparatus. F. A. Daubin . No. 1,092,434; Apr. 7; Gaz. vol. 201; p. 107.
- Air from water, Apparatus for removing. W. Kieser. No. 1,095,463; May 5; Gaz. vol. 202; p. 99.
- Air-heater. E. B. Freeman. No. 1,083,395; Jan. 6; Gaz. vol. 198; p. 46.
- Air-impregnator. J. Pointon. No. 1,120,848; Dec. 15; Gaz. vol. 209; p. 761.
- Air in a sick-room, Therapeutic treatment of. F. Batter. No. 1,107,745; Aug. 18; Gaz. vol. 205; p. 850.
- Air inlet and air-medicator, Combined fresh-. O. Barth. No. 1,111,431; Sept. 22; Gaz. vol. 206; p. 1030.
- Air-inlet device for internal-combustion engines, Auxiliary. J. E. Thebaud. No. 1,121,307; Dec. 15; Gaz. vol. 209; p. 922.
- Air-intake device, Auxiliary. N. A. Mathias and B. S. Harder. No. 1,102,066; June 30; Gaz. vol. 203; p. 1460.
- Air into its constituents, Apparatus for separating liquid. G. Hildebrandt. No. 1,119,159; Dec. 1; Gaz. vol. 209; p. 91.
- Air into its constituents, Separating liquid. G. Hildebrandt. No. 1,119,158; Dec. 1; Gaz. vol. 209; p. 90.
- Air, Means for feeding preheated. G. Van Daam. No. 1,113,386; Nov. 24; Gaz. vol. 208; p. 1138.
- Air, Means for humidifying and washing. W. C. H. Noble. No. 1,100,144; June 16; Gaz. vol. 203; p. 690.
- Air, Means for humidifying artificially-heated. A. A. Cardwell. No. 1,117,785; Nov. 17; Gaz. vol. 208; p. 890.
- Air-moistening apparatus. C. H. Pr tt. No. 1,094,592; Apr. 28; Gaz. vol. 201; p. 973.
- Air-motor. J. R. Kinney. No. 1,088,155; Feb. 24; Gaz. vol. 199; p. 1039.
- Air-motor. C. E. L. Lipman. No. 1,115,470; Oct. 27; Gaz. vol. 207; p. 1205.
- Air of a sick-room, Apparatus for therapeutic treatment of. F. Batter. No. 1,107,744; Aug. 18; Gaz. vol. 205; p. 849.
- Air or compressed gas especially for the operating of lamps, Producing compressed. W. Liedke. No. 1,095,897; May 5; Gaz. vol. 202; p. 246.
- Air or other fluids and means for making joints in and attachment to the same, Flexible chamber for containing. T. Sloper. No. 1,118,451; Nov. 24; Gaz. vol. 208; p. 1162.
- Air propulsion device. T. O'Brien. No. 1,114,640; Oct. 20; Gaz. vol. 207; p. 861.
- Air-purifier. E. L. Gross. No. 1,089,548; Mar. 10; Gaz. vol. 200; p. 348.
- Air purifying and cooling apparatus. C. H. Bicalky. No. 1,088,318; Feb. 24; Gaz. vol. 199; p. 1094.
- Air purifying and cooling device. C. F. Lundeborg. No. 1,109,171; Sept. 1; Gaz. vol. 206; p. 112.
- Air-purifying apparatus. G. E. Lob. No. 1,109,997; Sept. 8; Gaz. vol. 206; p. 445.
- Air, Regenerating. H. R. Carveth. No. 1,111,055; Sept. 22; Gaz. vol. 206; p. 902.
- Air-register for apparatus burning atomized fuel. C. F. Bailey and J. Mortimer. No. 1,101,723; June 30; Gaz. vol. 203; p. 1337.
- Air-screen for windows and doors. M. Rusan. No. 1,094,680; Apr. 28; Gaz. vol. 201; p. 1006.
- Air, Separation of oxygen from the. L. Bergfeld. No. 1,120,436; Dec. 8; Gaz. vol. 209; p. 569.
- Air-spring. W. L. Ostendorf. No. 1,108,930; Sept. 1; Gaz. vol. 206; p. 25.
- Air-spring and shock-absorber. J. Kohner. No. 1,117,057; Nov. 10; Gaz. vol. 208; p. 592.
- Air supplied to carbureters, Device for regulating the temperature of. W. M. Simmons. No. 1,096,201; May 12; Gaz. vol. 202; p. 384.
- Air-supply regulator, Automatic carbureter-. E. W. Johnson. No. 1,117,676; Nov. 17; Gaz. vol. 208; p. 851.
- Air, System for controlling the humidity and temperature of. W. H. Carrier. No. 1,101,784; June 30; Gaz. vol. 203; p. 1358.
- Air-tank. W. V. Garceau. No. 1,092,641; Apr. 7; Gaz. vol. 201; p. 180.
- Air-tight receptacle. P. S. Bauer. No. 1,107,746; Aug. 18; Gaz. vol. 205; p. 850.
- Air-washer. G. P. Thurber. No. 1,116,647; Nov. 10; Gaz. vol. 208; p. 450.
- Air-washer. A. Wickersham. No. 1,094,107; Apr. 21; Gaz. vol. 201; p. 749.
- Air-washing device. A. C. Johnson. No. 1,120,818; Dec. 15; Gaz. vol. 209; p. 751.
- Airship. J. Bonnot, A. Belot, J. Vassallo, and R. Emery. No. 1,104,242; July 21; Gaz. vol. 204; p. 788.
- Airship. J. W. Boughton. No. 1,109,658; Sept. 8; Gaz. vol. 206; p. 322.
- Airship. A. A. Callicotte. No. 1,092,973; Apr. 14; Gaz. vol. 201; p. 326.
- Airship. D. F. Felten. No. 1,091,315; Mar. 24; Gaz. vol. 200; p. 1027.
- Airship. W. D. French. No. 1,116,263; Nov. 3; Gaz. vol. 208; p. 271.
- Airship. W. V. Kamp. No. 1,108,113; Aug. 18; Gaz. vol. 205; p. 977.
- Airship. H. Leinweber. No. 1,108,865; Aug. 25; Gaz. vol. 205; p. 1286.
- Airship. D. Levy. No. 1,122,135; Dec. 22; Gaz. vol. 209; p. 1245.
- Airship. D. Lopez and M. R. Lerma. No. 1,108,770; Aug. 25; Gaz. vol. 205; p. 1251.
- Airship. A. Lueck. No. 1,116,715; Nov. 10; Gaz. vol. 208; p. 474.
- Airship. J. W. Oman. No. 1,117,080; Nov. 10; Gaz. vol. 208; p. 601.
- Airship. E. E. Pauley. No. 1,104,702; July 21; Gaz. vol. 204; p. 947.
- Airship. F. Riotte. No. 1,121,762; Dec. 22; Gaz. vol. 209; p. 1115.
- Airship. H. Schr der. No. 1,120,981; Dec. 15; Gaz. vol. 209; p. 807.
- Airship. J. H. Schroeder. No. 1,120,852; Dec. 15; Gaz. vol. 209; p. 763.
- Airship. A. Sugden. No. 1,099,827; June 9; Gaz. vol. 203; p. 542.
- Airship and the like, Dirigible. J. A. Armstrong. No. 1,109,502; Sept. 1; Gaz. vol. 206; p. 227.
- Airship-controlling mechanism. A. Mayer. No. 1,083,550; Jan. 6; Gaz. vol. 198; p. 97.
- Airship-controlling mechanism. A. Mayer. No. 1,120,957; Dec. 15; Gaz. vol. 209; p. 800.
- Airship, Dirigible. S. Jelalian. No. 1,103,444; Aug. 25; Gaz. vol. 205; p. 1138.
- Airship, Dirigible. E. T r k. No. 1,115,457; Oct. 27; Gaz. vol. 207; p. 1201.
- Airship-driving mechanism. P. G. Zimmermann. No. 1,089,029; Mar. 3; Gaz. vol. 200; p. 121.
- Airship safety device. T. A. T. Yerness. No. 1,100,277; June 16; Gaz. vol. 203; p. 736.
- Airships, Device for landing or berthing. H. v. Schleinitz. No. 1,119,646; Dec. 1; Gaz. vol. 209; p. 257.
- Airships, Hall for. W. Kauertz. No. 1,109,648; Sept. 1; Gaz. vol. 206; p. 279.
- Airships, Reinforcement for the supporting-bodies or envelops of. H. Naatz. No. 1,100,762; June 23; Gaz. vol. 203; p. 954.

Alphabetical list of inventions—Continued.

- Airships, Speed and direction indicator for. M. Vaniman. No. 1,084,831; Jan. 20; Gaz. vol. 198; p. 583.
- Airships, Suspension of cars of. H. Naatz. No. 1,087,134; Feb. 17; Gaz. vol. 199; p. 636.
- Airships, Tractor, propeller, or helicopter for. C. D. Browne. No. 1,105,750; Aug. 4; Gaz. vol. 205; p. 58.
- Airships, Transmission-drive for dirigible. S. Jelalian. No. 1,118,205; Nov. 24; Gaz. vol. 208; p. 1074.
- Alarm: Sec Automatic alarm; Baling-press alarm; Burglar-alarm; Burglar and fire alarm; Door-alarm; Electric alarm; Electric-operated alarm; Fire-alarm; Fire and burglar alarm; Fluid-actuated alarm; Hot-bearing alarm; Low-water alarm; Pocket-alarm; Signal-alarm; Speedometer-alarm; Telegraph-alarm; Tire-alarm; Vehicle-alarm.
- Alarm. W. I. Marable. No. 1,116,600; Nov. 10; Gaz. vol. 208; p. 432.
- Alarm. A. N. Pierman. No. 1,091,533; Mar. 31; Gaz. vol. 200; p. 1143.
- Alarm. J. Richman. No. 1,098,975; June 2; Gaz. vol. 203; p. 210.
- Alarm and electric-light switch, Combined. J. G. Harrison. No. 1,108,750; Aug. 25; Gaz. vol. 205; p. 1244.
- Alarm apparatus, Liquid-controlled. S. A. Glynn and B. L. Quayle. No. 1,104,419; July 21; Gaz. vol. 204; p. 849.
- Alarm-cable. J. Sulzbacher. No. 1,109,878; Sept. 8; Gaz. vol. 206; p. 401.
- Alarm device. J. E. Priester. No. 1,110,713; Sept. 15; Gaz. vol. 206; p. 740.
- Alarm device. W. Trafford. No. 1,112,576; Oct. 6; Gaz. vol. 207; p. 59.
- Alarm device, Burglar-. W. L. Rombaugh. No. 1,100,846; June 23; Gaz. vol. 203; p. 984.
- Alarm-device casing. G. I. Rockwood. No. 1,114,528; Oct. 20; Gaz. vol. 207; p. 825.
- Alarm-lock. L. Percival. No. 1,112,316; Sept. 29; Gaz. vol. 206; p. 1374.
- Alarm-lock. C. C. Tuch. No. 1,100,633; June 16; Gaz. vol. 203; p. 855.
- Alarm-lock, Automatic. M. Sheinman. No. 1,097,884; May 26; Gaz. vol. 202; p. 1056.
- Alarm-lock, Electrical window. M. Barros. No. 1,092,513; Apr. 7; Gaz. vol. 201; p. 135.
- Alarm mechanism for distribution systems. J. D. Nelson. No. 1,121,593; Dec. 15; Gaz. vol. 209; p. 1021.
- Alarm press-button contact. A. V. and O. T. Clorius. No. 1,095,382; May 5; Gaz. vol. 202; p. 71.
- Alarm-shield. C. J. Coleman. No. 1,096,413; May 12; Gaz. vol. 202; p. 458.
- Alarm system. L. A. Northrup. No. 1,121,124; Dec. 15; Gaz. vol. 209; p. 860.
- Alarm system. G. A. Sabine. No. 1,099,397; June 9; Gaz. vol. 203; p. 396.
- Alarm system, Automatic valve-. F. V. Sackett. No. 1,090,237; Mar. 17; Gaz. vol. 200; p. 626.
- Alarm system, Auxiliary. C. E. Beach. No. 1,093,679; Apr. 21; Gaz. vol. 201; p. 607.
- Alarm system, Supervisory. J. G. Nolen. No. 1,120,623; Dec. 8; Gaz. vol. 209; p. 636.
- Alarms or other devices, Apparatus for operating. G. I. Rockwood. No. 1,116,328; Nov. 3; Gaz. vol. 208; p. 293.
- Album. H. Uffner. No. 1,088,748; Mar. 3; Gaz. vol. 200; p. 27.
- Alcohol, Apparatus for the elimination of fusel-oils during the distillation and rectification of. F. Pampe. No. 1,116,322; Nov. 3; Gaz. vol. 208; p. 290.
- Alcohol from chlorhydrocarbons, Preparation of. W. E. Masland. No. 1,086,381; Feb. 10; Gaz. vol. 199; p. 325.
- Alcohol from garbage, Manufacturing. J. J. Morgan. No. 1,114,017; Oct. 20; Gaz. vol. 207; p. 641.
- Alcohol from waste sulfite cellulose lyes or similar liquids, Removing organic constituents from residues obtained in producing. P. G. Ekstrom. No. 1,087,356; Feb. 17; Gaz. vol. 199; p. 713.
- Alcohol, Making. F. Thatcher. No. 1,096,965; May 19; Gaz. vol. 202; p. 690.
- Alcohol manufactured by distilling fermented sulfite liquor, Purifying. P. G. Ekström. No. 1,095,830; May 5; Gaz. vol. 202; p. 224.
- Alcohol, Refining wood-. L. F. Hawley. No. 1,106,707; Aug. 11; Gaz. vol. 205; p. 435.
- Alcoömeter. E. Gibaudan and A. J. Frager. No. 1,102,905; July 7; Gaz. vol. 204; p. 237.
- Aldol, Producing. R. B. Earle and L. P. Kyriakides. No. 1,094,314; Apr. 21; Gaz. vol. 201; p. 816.
- Ale-drawing apparatus. H. Schwarz. No. 1,093,150; Apr. 14; Gaz. vol. 201; p. 387.
- Alfalfa-gate. P. H. Vanden Berg. No. 1,092,187; Apr. 7; Gaz. vol. 201; p. 22.
- Alfalfa product. M. C. Rich. No. 1,108,238; Aug. 25; Gaz. vol. 205; p. 1068.
- Alfalfa products, Manufacture of. M. C. Rich. No. 1,104,136; July 21; Gaz. vol. 204; p. 752.
- Aliphatic alkyl sulfates, Manufacture of. E. Wolf. No. 1,101,373; June 23; Gaz. vol. 203; p. 1166.
- Alkali and alkaline-earth metals, Producing. C. E. Acker. No. 1,116,865; Nov. 10; Gaz. vol. 208; p. 527.
- Alkali cyanogen compounds, Making. J. C. Clancy. No. 1,112,893; Oct. 6; Gaz. vol. 207; p. 168.
- Alkali-metal compounds from silicates containing the same, Obtaining. A. Messerschmitt. No. 1,087,132; Feb. 17; Gaz. vol. 199; p. 635.
- Alkali-metal salts of 3,3'-diamino-4,4'-dioxarsenobenzene combined with copper and making same. P. Ehrlich and P. Karrer. No. 1,117,352; Nov. 17; Gaz. vol. 208; p. 737.
- Alkali metals, Electrolytic manufacture of. E. A. Ashcroft. No. 1,106,436; Aug. 11; Gaz. vol. 205; p. 337.
- Alkali-silico-aluminate richer in alkali than feldspar, Making. A. H. Cowles. No. 1,111,881; Sept. 29; Gaz. vol. 206; p. 1227.
- Alkalis from natural rocks, Extracting. A. Messerschmitt. No. 1,089,716; Mar. 10; Gaz. vol. 200; p. 405.
- Alkaline silicate, Producing a ferrated and borated. T. Rouse. No. 1,109,704; Sept. 8; Gaz. vol. 206; p. 341.
- Alligator-shears. A. O. Slentz. No. 1,122,319; Dec. 29; Gaz. vol. 209; p. 1348.
- Alligator-wrench and tire-tool, Combination adjustable. C. H. Allen. No. 1,115,763; Nov. 3; Gaz. vol. 208; p. 100.
- Alloy. E. D. Gleason. No. 1,093,557; Apr. 14; Gaz. vol. 201; p. 520.
- Alloy. R. R. Graf. No. 1,101,534; June 30; Gaz. vol. 203; p. 1273.
- Alloy. S. W. Parr. No. 1,115,239; Oct. 27; Gaz. vol. 207; p. 1129.
- Alloy. P. R. Parsons and O. Silberrad. No. 1,106,055; Aug. 4; Gaz. vol. 205; p. 164.
- Alloy. C. P. Van Gundy. No. 1,098,137; May 26; Gaz. vol. 202; p. 1145.
- Alloy, Aluminum. W. A. McAdams. No. 1,092,500; Apr. 7; Gaz. vol. 201; p. 131.
- Alloy, Aluminum. W. A. McAdams. No. 1,099,561; June 9; Gaz. vol. 203; p. 453.
- Alloy, Aluminum. W. A. McAdams. No. 1,104,369; July 21; Gaz. vol. 204; p. 832.
- Alloy, Aluminum. W. A. McAdams. No. 1,121,268; Dec. 15; Gaz. vol. 209; p. 908.
- Alloy, Aluminum. W. A. McAdams. No. 1,121,269; Dec. 15; Gaz. vol. 209; p. 908.
- Alloy and manufacture thereof, Metallic. H. O. Ormiston. No. 1,101,089; June 23; Gaz. vol. 203; p. 1070.
- Alloy and producing the same, Aluminum. W. A. McAdams. No. 1,121,267; Dec. 15; Gaz. vol. 209; p. 908.
- Alloy and producing the same, Aluminum. W. A. McAdams. No. 1,095,653; May 5; Gaz. vol. 202; p. 164.
- Alloy for welding copper and nickel. C. Canzler and R. Samesreuther. No. 1,103,482; July 14; Gaz. vol. 204; p. 483.
- Alloy, Making an iron-nickel-copper. G. H. Clamer. No. 1,086,314; Feb. 3; Gaz. vol. 199; p. 255.
- Alloy, Metal. E. Smith. No. 1,114,055; Oct. 20; Gaz. vol. 207; p. 655.
- Alloy, Metal. S. Wein. No. 1,102,618; July 7; Gaz. vol. 204; p. 140.
- Alloy of aluminium and making same. T. A. Bayliss and B. G. Clark. No. 1,117,308; Nov. 17; Gaz. vol. 208; p. 722.
- Alloy of ferromanganese and silicon, Making an. J. C. Walker. No. 1,109,640; Sept. 1; Gaz. vol. 206; p. 276.
- Alloy of iron. J. R. Speer. No. 1,105,341; July 28; Gaz. vol. 204; p. 1220.
- Alloy of vanadium and precious metals. F. von Oefele. No. 1,107,180; Aug. 11; Gaz. vol. 205; p. 601.
- Alloy, Platinum. E. Weintraub. No. 1,096,655; May 12; Gaz. vol. 202; p. 540.
- Alloy, Pyrophoric. A. Kratky. No. 1,118,138; Nov. 24; Gaz. vol. 208; p. 1051.
- Alloy, Pyrophoric. P. Faehr. No. 1,102,575; July 7; Gaz. vol. 204; p. 125.
- Alloy-steel scrap, Treating. P. P. Reese and E. L. Diehl. No. 1,108,235; Aug. 25; Gaz. vol. 205; p. 1067.
- Alloy, Vanadium-gold. F. von Oefele. No. 1,107,181; Aug. 11; Gaz. vol. 205; p. 601.
- Alloys containing a small amount of tin, Hardening copper. H. Bryda. No. 1,095,804; May 5; Gaz. vol. 202; p. 216.
- Alloys, Improving. A. Wilm. No. 1,083,903; Jan. 6; Gaz. vol. 198; p. 208.
- Alloys, Improving the magnetic qualities of iron-silicon-manganese-aluminium. R. A. Hadfield. No. 1,086,765; Feb. 10; Gaz. vol. 199; p. 460.
- Alloys, Improving the magnetic qualities of iron-silicon-manganese-aluminium. R. A. Hadfield. No. 1,086,766; Feb. 10; Gaz. vol. 199; p. 460.
- Alloys, Making titanium and other. E. Kraus. No. 1,089,773; Mar. 10; Gaz. vol. 200; p. 425.
- Alloys, Manufacturing iron. G. M. Colvocoresses. No. 1,106,785; Aug. 11; Gaz. vol. 205; p. 463.
- Alloys, Manufacturing iron. G. M. Colvocoresses. No. 1,106,786; Aug. 11; Gaz. vol. 205; p. 463.
- Alloys of tungsten and other highly refractory metals related to it, Manufacturing. H. Kreusler. No. 1,110,303; Sept. 8; Gaz. vol. 206; p. 555.
- Alloys, Producing copper. H. Bryda. No. 1,095,078; Apr. 28; Gaz. vol. 201; p. 1143.
- Alloys, Producing metal. L. Goldmerstein. No. 1,098,346; May 26; Gaz. vol. 202; p. 1218.
- Alternator, High-frequency. E. F. W. Alexanderson. No. 1,110,028; Sept. 8; Gaz. vol. 206; p. 455.

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- Alternator, High-frequency. E. F. W. Alexanderson. No. 1,110,029; Sept. 8; Gaz. vol. 206; p. 456.
- Alumina, Bonding fused crystalline. T. B. Allen. No. 1,107,011; Aug. 11; Gaz. vol. 205; p. 540.
- Alumina, Making. H. T. Kalmus and W. L. Savell. No. 1,090,479; Mar. 17; Gaz. vol. 200; p. 712.
- Aluminium fluorid, Obtaining. C. A. Doremus. No. 1,110,675; Sept. 15; Gaz. vol. 206; p. 727.
- Aluminium nitrids, Manufacture of. O. Serpek. No. 1,094,171; Apr. 21; Gaz. vol. 201; p. 772.
- Alumino-silicates, Producing. R. Gans. No. 1,121,490; Dec. 15; Gaz. vol. 209; p. 985.
- Aluminum and its alloys. G. Mellen. No. 1,092,936; Apr. 14; Gaz. vol. 201; p. 314.
- Aluminum and its alloys, Flux for purifying. G. Mellen. No. 1,092,935; Apr. 14; Gaz. vol. 201; p. 314.
- Aluminum-bearing materials, Treatment of. H. P. Bassett. No. 1,095,306; May 5; Gaz. vol. 202; p. 46.
- Aluminum chlorid, Manufacture of. A. M. McAfee. No. 1,099,096; June 2; Gaz. vol. 203; p. 247.
- Aluminum hydrates, Precipitating. E. S. Fickes. (Reissue.) No. 13,668; Jan. 6; Gaz. vol. 198; p. 209.
- Aluminum, Obtaining. P. C. McIlhiney. No. 1,083,691; Jan. 6; Gaz. vol. 198; p. 143.
- Alunite, Apparatus for treating. H. F. Chappell. No. 1,089,110; Mar. 3; Gaz. vol. 200; p. 150.
- Alunite, Calcining. H. F. Chappell. No. 1,089,109; Mar. 3; Gaz. vol. 200; p. 149.
- Amalgamating-machine. E. E. Hedges. No. 1,118,128; Nov. 24; Gaz. vol. 208; p. 1048.
- Amalgamator. G. R. Bauer. No. 1,114,573; Oct. 20; Gaz. vol. 207; p. 840.
- Amalgamator. S. Beer. No. 1,095,071; Apr. 28; Gaz. vol. 201; p. 1141.
- Amalgamator. E. B. Bennett. No. 1,101,244; June 23; Gaz. vol. 203; p. 1123.
- Amalgamator. C. R. Dennison. No. 1,111,251; Sept. 22; Gaz. vol. 206; p. 969.
- Amalgamator. J. P. Dovel and C. C. Glidden. No. 1,123,116; Dec. 29; Gaz. vol. 209; p. 1625.
- Amalgamator. J. W. McGalliard. No. 1,100,386; June 16; Gaz. vol. 203; p. 774.
- Amalgamator. A. J. Robinson. No. 1,121,537; Dec. 15; Gaz. vol. 209; p. 1000.
- Amalgamator. F. Stringham. No. 1,113,065; Oct. 6; Gaz. vol. 207; p. 225.
- Amalgamator and concentrator, Combined. P. Kuehn. No. 1,100,020; June 16; Gaz. vol. 203; p. 646.
- Amalgamator, Rotary pulverizing. H. R. Bouldin and R. Shoemaker. No. 1,097,162; May 19; Gaz. vol. 202; p. 760.
- Ambulance, Mine-. C. P. Moran. No. 1,115,560; Nov. 3; Gaz. vol. 208; p. 32.
- Amino anthraquinones, Producing. R. Uhlenbuth. No. 1,104,943; July 28; Gaz. vol. 204; p. 1081.
- Aminophenyl arsenic compound. A. H. C. Heitman. No. 1,119,279; Dec. 1; Gaz. vol. 209; p. 130.
- Ammonia and alumina from aluminium nitrid, Producing. E. Milde. No. 1,115,003; Oct. 27; Gaz. vol. 207; p. 1044.
- Ammonia and compounds of ammonia, Producing. F. Rothe. No. 1,083,703; Jan. 6; Gaz. vol. 198; p. 147.
- Ammonia, Catalytic production of. C. Bosch and A. Mittasch. No. 1,083,585; Jan. 6; Gaz. vol. 198; p. 108.
- Ammonia-compressor. P. Neff, D. Cole, and E. L. Ebersole. No. 1,092,943; Apr. 14; Gaz. vol. 201; p. 316.
- Ammonia-compressors, Safety appliance for. A. L. Brown. No. 1,112,672; Oct. 6; Gaz. vol. 207; p. 93.
- Ammonia from gas, Obtaining. G. Hilgenstock. No. 1,098,900; June 2; Gaz. vol. 203; p. 185.
- Ammonia from its constituents, Synthetic preparation of. A. Matignon. No. 1,089,240; Mar. 3; Gaz. vol. 200; p. 195.
- Ammonia from its constituents, Synthetic preparation of. A. Matignon. No. 1,089,241; Mar. 3; Gaz. vol. 200; p. 195.
- Ammonia from the elements, Preparation of. M. Pier. No. 1,119,534; Dec. 1; Gaz. vol. 209; p. 219.
- Ammonia, Producing. C. Bosch and A. Mittasch. No. 1,089,185; Mar. 3; Gaz. vol. 200; p. 178.
- Ammonia, Producing. C. Bosch and A. Mittasch. No. 1,118,628; Nov. 24; Gaz. vol. 208; p. 1224.
- Ammonia, Producing. S. Peacock. No. 1,092,167; Apr. 7; Gaz. vol. 201; p. 15.
- Ammonia, Production of. C. Bosch, A. Mittasch, H. Wolf, and G. Stern. No. 1,094,194; Apr. 21; Gaz. vol. 201; p. 779.
- Ammonia, Production of mixtures of nitrogen and hydrogen suitable for the manufacture of. J. Weise and F. Rieche. No. 1,098,139; May 26; Gaz. vol. 202; p. 1145.
- Ammonia-soda process. A. Clemm. No. 1,118,332; Nov. 24; Gaz. vol. 208; p. 1119.
- Ammonium phosphate, Making. F. S. Washburn. No. 1,115,044; Oct. 27; Gaz. vol. 207; p. 1059.
- Ammonium sulfate, Producing. C. Bosch. No. 1,106,919; Aug. 11; Gaz. vol. 205; p. 510.
- Ammonium sulfate, Producing. A. Mittasch and H. Morawitz. No. 1,091,234; Mar. 24; Gaz. vol. 200; p. 1002.
- Ammunition. W. Cooper. No. 1,103,740; July 14; Gaz. vol. 204; p. 576.
- Ammunition-box. F. Sachtleben. No. 1,120,244; Dec. 8; Gaz. vol. 209; p. 500.
- Ammunition-shells, Means for removing. E. Völler. No. 1,088,490; Feb. 24; Gaz. vol. 199; p. 1150.
- Ampul-holder. F. Wachter. No. 1,103,111; July 14; Gaz. vol. 204; p. 357.
- Amusement apparatus. E. J. Beseman. No. 1,104,469; July 21; Gaz. vol. 204; p. 867.
- Amusement apparatus. W. H. Fulper. No. 1,111,533; Sept. 22; Gaz. vol. 206; p. 1066.
- Amusement apparatus. T. Gibson. No. 1,100,725; June 23; Gaz. vol. 203; p. 942.
- Amusement apparatus. A. E. Glazier. No. 1,095,965; May 5; Gaz. vol. 202; p. 268.
- Amusement apparatus. G. C. Hale. No. 1,097,627; May 26; Gaz. vol. 202; p. 964.
- Amusement apparatus. T. D. Hooper, Jr. No. 1,101,630; June 30; Gaz. vol. 203; p. 1307.
- Amusement apparatus. J. A. Jobson. No. 1,109,421; Sept. 1; Gaz. vol. 206; p. 201.
- Amusement apparatus. A. Mirano and F. W. Walch. No. 1,120,733; Dec. 15; Gaz. vol. 209; p. 721.
- Amusement apparatus. F. W. Pierce. No. 1,115,017; Oct. 27; Gaz. vol. 207; p. 1050.
- Amusement apparatus. H. Thurston. No. 1,083,308; Jan. 6; Gaz. vol. 198; p. 17.
- Amusement apparatus. H. Thurston. No. 1,099,951; June 16; Gaz. vol. 203; p. 622.
- Amusement apparatus. H. Thurston. No. 1,099,952; June 16; Gaz. vol. 203; p. 622.
- Amusement apparatus, Optical-illusion. C. J. Rehlins. No. 1,098,761; June 2; Gaz. vol. 203; p. 138.
- Amusement device. M. Berger and R. Weisbach. No. 1,103,558; July 14; Gaz. vol. 204; p. 509.
- Amusement device. R. A. Bisbee. No. 1,114,958; Oct. 27; Gaz. vol. 207; p. 1028.
- Amusement device. T. Borrowdale. No. 1,101,054; June 23; Gaz. vol. 203; p. 1058.
- Amusement device. C. O. Bosworth. No. 1,084,390; Jan. 13; Gaz. vol. 198; p. 404.
- Amusement device. D. Carter. No. 1,086,349; Feb. 10; Gaz. vol. 199; p. 315.
- Amusement device. C. H. Cooley. No. 1,108,708; Aug. 25; Gaz. vol. 205; p. 1230.
- Amusement device. F. J. Gibson. No. 1,107,287; Aug. 18; Gaz. vol. 205; p. 685.
- Amusement device. S. Goldini. No. 1,100,180; June 16; Gaz. vol. 203; p. 702.
- Amusement device. C. Kelker. No. 1,112,216; Sept. 29; Gaz. vol. 206; p. 1339.
- Amusement device. E. C. Manterola. No. 1,112,307; Sept. 29; Gaz. vol. 206; p. 1370.
- Amusement device. W. A. Morey. No. 1,089,004; Mar. 3; Gaz. vol. 200; p. 113.
- Amusement device. C. H. Peek. No. 1,094,011; Apr. 21; Gaz. vol. 201; p. 717.
- Amusement device. T. Thoin. No. 1,096,474; May 12; Gaz. vol. 202; p. 479.
- Amusement device. M. F. Trostler. No. 1,099,899; June 9; Gaz. vol. 203; p. 568.
- Amusement device. S. D. Upham. No. 1,096,577; May 12; Gaz. vol. 202; p. 513.
- Amusement device for use in pleasure-parks. W. H. Strickler. No. 1,094,948; Apr. 28; Gaz. vol. 201; p. 1100.
- Amusement machine, Base-ball. W. J. Fleming. No. 1,120,468; Dec. 8; Gaz. vol. 209; p. 580.
- Amusement-roundabout with mechanical flight and tilting attachments. C. H. Moss. No. 1,101,141; June 23; Gaz. vol. 203; p. 1087.
- Amyl acetate and its homologues, Producing. F. Kaufer. No. 1,106,047; Aug. 4; Gaz. vol. 205; p. 162.
- Anatomical study, Making transparent models for. H. Murayama. No. 1,104,067; July 21; Gaz. vol. 204; p. 729.
- Anchor. G. E. Rohmer. No. 1,120,412; Dec. 8; Gaz. vol. 209; p. 560.
- Anchor. G. C. Terrien. No. 1,101,718; June 30; Gaz. vol. 203; p. 1335.
- Anchor-bolt shell. H. Rosenberg. No. 1,109,668; June 9; Gaz. vol. 203; p. 488.
- Anchor device, Lead-packed. G. E. Rohmer. No. 1,120,411; Dec. 8; Gaz. vol. 209; p. 559.
- Anchor, Driven. I. G. Howell. No. 1,086,053; Feb. 3; Gaz. vol. 199; p. 170.
- Anchor, Earth-. J. Blackburn. No. 1,086,640; Feb. 10; Gaz. vol. 199; p. 416.
- Anchor, Earth-. J. Blackburn. No. 1,114,724; Oct. 27; Gaz. vol. 207; p. 944.
- Anchor, Expansion-. J. Kennedy. No. 1,100,185; June 16; Gaz. vol. 203; p. 704.
- Anchor, Expansion-. J. Kennedy. No. 1,100,661; June 16; Gaz. vol. 203; p. 864.
- Anchor, Ground-. A. T. Ballenger. No. 1,090,899; Mar. 24; Gaz. vol. 200; p. 884.
- Anchor, Ground-. B. W. P. Coghlin. No. 1,084,695; Jan. 20; Gaz. vol. 198; p. 537.
- Anchor, Ground-. J. L. Fay. No. 1,101,911; June 30; Gaz. vol. 203; p. 1403.

Alphabetical list of inventions—Continued.

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- Anchor, Guy-rope. J. Billie. No. 1,113,869; Oct. 13; Gaz. vol. 207; p. 552.
- Anchor-pin. I. M. Fry. No. 1,092,936; Mar. 31; Gaz. vol. 200; p. 1315.
- Anchor post and brace. L. E. Fontaine. No. 1,119,943; Dec. 8; Gaz. vol. 209; p. 394.
- Anchor, Safety tubing. D. L. Driscoll. No. 1,118,538; Nov. 24; Gaz. vol. 208; p. 1192.
- Anchor, Sea-. F. Rouse. No. 1,098,977; June 2; Gaz. vol. 203; p. 210.
- Anchor, Stockless. A. F. W. Stählberger. No. 1,112,864; Oct. 6; Gaz. vol. 207; p. 159.
- Anchor, Storm oil-. F. W. Jackson. No. 1,117,189; Nov. 17; Gaz. vol. 208; p. 679.
- Anchor, Surf-. L. W. Myers. No. 1,110,507; Sept. 15; Gaz. vol. 206; p. 667.
- Anchor, Track-. D. C. Stephenson. No. 1,100,926; June 23; Gaz. vol. 203; p. 1013.
- Anchor, Wall-. I. B. Malaby. No. 1,084,458; Jan. 13; Gaz. vol. 198; p. 426.
- Anchorage device. J. F. Booraem and G. E. Rohmer. No. 1,120,367; Dec. 8; Gaz. vol. 209; p. 544.
- Anchoring. G. E. Rohmer and J. F. Booraem. No. 1,120,410; Dec. 8; Gaz. vol. 209; p. 559.
- Anchoring device. M. F. Gately. No. 1,110,435; Sept. 15; Gaz. vol. 206; p. 641.
- Andiron. J. W. Baker. No. 1,104,862; July 28; Gaz. vol. 204; p. 1053.
- Anesthetic-administering apparatus. J. S. Pyle. No. 1,084,029; Jan. 13; Gaz. vol. 198; p. 285.
- Anesthetic-dispenser. S. Bricker. No. 1,110,742; Sept. 15; Gaz. vol. 206; p. 749.
- Anesthetic-dropper. J. E. Timian. No. 1,121,690; Dec. 22; Gaz. vol. 209; p. 1091.
- Anesthetics, Apparatus for administering. A. M. Caine. No. 1,094,301; Apr. 21; Gaz. vol. 201; p. 812.
- Anesthetics, Apparatus for administering. W. L. Smith. No. 1,091,973; Mar. 31; Gaz. vol. 200; p. 1295.
- Anesthetizer. G. Clarke. No. 1,093,975; Apr. 21; Gaz. vol. 201; p. 704.
- Angle-bar. E. H. Dull. No. 1,085,553; Jan. 27; Gaz. vol. 198; p. 862.
- Angle-bar. J. H. Keister. No. 1,095,882; May 5; Gaz. vol. 202; p. 241.
- Angle-finder. G. Wallace. No. 1,089,885; Mar. 10; Gaz. vol. 200; p. 463.
- Angle-trisecting device. C. L. Dennis. No. 1,093,919; Apr. 21; Gaz. vol. 201; p. 687.
- Angular bosses, Forming. C. Wales. No. 1,122,175; Dec. 22; Gaz. vol. 209; p. 1259.
- Animal-blinding shield. O. P. Sine. No. 1,099,864; June 9; Gaz. vol. 203; p. 555.
- Animal-hanger. B. M. Knudson. No. 1,085,439; Jan. 27; Gaz. vol. 198; p. 826.
- Animal-holding machine. S. S. Palmer. No. 1,092,742; Apr. 7; Gaz. vol. 201; p. 212.
- Animal matter containing moisture, oil, or grease, Apparatus for treating. G. F. Metzger. No. 1,091,524; Mar. 31; Gaz. vol. 200; p. 1140.
- Animal-releasing device. A. Feddersen. No. 1,120,295; Dec. 8; Gaz. vol. 209; p. 518.
- Animal-trap. W. C. Clow. No. 1,116,565; Nov. 10; Gaz. vol. 208; p. 419.
- Animal-trap. C. T. Darling. No. 1,084,071; Jan. 13; Gaz. vol. 198; p. 299.
- Animal-trap. J. De St. Legier. No. 1,088,477; Feb. 24; Gaz. vol. 199; p. 1146.
- Animal-trap. T. H. Donlon. No. 1,121,174; Dec. 15; Gaz. vol. 209; p. 877.
- Animal-trap. R. C. Eldridge and J. Willers. No. 1,115,793; Nov. 3; Gaz. vol. 208; p. 110.
- Animal-trap. R. P. Estrada. No. 1,118,752; Nov. 24; Gaz. vol. 208; p. 1265.
- Animal-trap. M. P. Fugate. No. 1,107,775; Aug. 18; Gaz. vol. 205; p. 861.
- Animal-trap. W. V. Gage. No. 1,121,583; Dec. 15; Gaz. vol. 209; p. 1017.
- Animal-trap. J. W. Gates. No. 1,091,926; Mar. 31; Gaz. vol. 200; p. 1281.
- Animal-trap. H. H. Herring. No. 1,088,988; Mar. 3; Gaz. vol. 200; p. 108.
- Animal-trap. L. Hildreth. No. 1,106,382; Aug. 11; Gaz. vol. 205; p. 319.
- Animal-trap. M. Hollinger. No. 1,122,391; Dec. 29; Gaz. vol. 209; p. 1371.
- Animal-trap. G. T. Hollis. No. 1,102,049; June 30; Gaz. vol. 203; p. 1454.
- Animal-trap. A. Johnston. No. 1,083,282; Jan. 6; Gaz. vol. 198; p. 7.
- Animal-trap. G. A. Jones. No. 1,118,287; Nov. 24; Gaz. vol. 208; p. 1102.
- Animal-trap. S. Keltonik. No. 1,115,681; Nov. 3; Gaz. vol. 208; p. 73.
- Animal-trap. E. Kesler. No. 1,093,632; Apr. 21; Gaz. vol. 201; p. 590.
- Animal-trap. C. M. C. Kirk. No. 1,107,218; Aug. 11; Gaz. vol. 205; p. 614.
- Animal-trap. H. Kubokawa. No. 1,097,081; May 19; Gaz. vol. 202; p. 713.
- Animal-trap. W. J. McPherson. No. 1,110,636; Sept. 15; Gaz. vol. 206; p. 712.
- Animal-trap. C. E. Peach. No. 1,090,750; Mar. 17; Gaz. vol. 200; p. 801.
- Animal-trap. C. Phillips. No. 1,107,105; Aug. 11; Gaz. vol. 205; p. 571.
- Animal-trap. F. B. Prante. No. 1,121,663; Dec. 22; Gaz. vol. 209; p. 1081.
- Animal-trap. D. Putney. No. 1,116,482; Nov. 10; Gaz. vol. 208; p. 387.
- Animal-trap. D. Putney. No. 1,116,483; Nov. 10; Gaz. vol. 208; p. 388.
- Animal-trap. J. E. Ruby. No. 1,116,127; Nov. 3; Gaz. vol. 208; p. 227.
- Animal-trap. A. Schreck. No. 1,117,450; Nov. 17; Gaz. vol. 208; p. 770.
- Animal-trap. D. S. Travis. No. 1,109,558; Sept. 1; Gaz. vol. 206; p. 245.
- Animal-trap. G. N. Tsumura. No. 1,098,064; May 26; Gaz. vol. 202; p. 1120.
- Animal-trap. T. A. Willard. No. 1,101,368; June 23; Gaz. vol. 203; p. 1164.
- Animal-trap. O. C. Wood. No. 1,101,226; June 23; Gaz. vol. 203; p. 1117.
- Animal-trap. C. Yost. No. 1,086,259; Feb. 3; Gaz. vol. 199; p. 239.
- Animal-trap attachment. A. F. Vogt. No. 1,092,612; Apr. 7; Gaz. vol. 201; p. 169.
- Animal-trap, Electric. S. G. Leyson. No. 1,115,695; Nov. 3; Gaz. vol. 208; p. 79.
- Animal-trussing apparatus. D. H. Burcham. No. 1,109,820; Sept. 8; Gaz. vol. 206; p. 380.
- Animal wear, Article for. F. J. Grady. No. 1,122,587; Dec. 29; Gaz. vol. 209; p. 1438.
- Animals, including poultry and other birds, Boot for. L. C. Tipper. No. 1,087,054; Feb. 10; Gaz. vol. 199; p. 556.
- Ankle-joint for artificial limbs. J. F. Rowley. No. 1,090,881; Mar. 24; Gaz. vol. 200; p. 878.
- Ankle support and protector. H. J. Collis. No. 1,084,197; Jan. 13; Gaz. vol. 198; p. 343.
- Ankle support and protector. H. J. Collis. No. 1,090,906; Mar. 24; Gaz. vol. 200; p. 886.
- Ankle-supporting device. I. Schusheim. No. 1,116,133; Nov. 3; Gaz. vol. 208; p. 228.
- Annealing and tempering apparatus. E. H. Angle and A. H. Ketcham. No. 1,112,750; Oct. 6; Gaz. vol. 207; p. 120.
- Annealing-box bottom. J. E. Bossingham. No. 1,105,059; July 28; Gaz. vol. 204; p. 1121.
- Annealing-furnace. W. P. Bettendorf. No. 1,091,184; Mar. 24; Gaz. vol. 200; p. 984.
- Annealing-furnace. T. J. Costello. No. 1,097,303; May 19; Gaz. vol. 202; p. 810.
- Annealing-furnace. G. J. Hagan. No. 1,083,443; Jan. 6; Gaz. vol. 198; p. 62.
- Annealing-furnace. C. Kugel. No. 1,118,869; Nov. 24; Gaz. vol. 208; p. 1304.
- Annealing-furnace. J. A. Swindell. No. 1,112,236; Sept. 29; Gaz. vol. 206; p. 1346.
- Annealing-furnace. J. A. and J. C. Swindell. No. 1,112,237; Sept. 29; Gaz. vol. 206; p. 1347.
- Annealing-furnace, Upright. C. E. Fairbanks. No. 1,085,197; Jan. 27; Gaz. vol. 198; p. 743.
- Annealing metals, Method of and apparatus for. F. H. Fechtig. No. 1,110,122; Sept. 8; Gaz. vol. 206; p. 491.
- Annealing or cementing various articles, Method and apparatus for. G. Richter. No. 1,109,362; Sept. 1; Gaz. vol. 206; p. 180.
- Annealing-pot, Welded wrought-iron. E. T. Lammine. No. 1,097,448; May 19; Gaz. vol. 202; p. 858.
- Annealing-tray. C. J. Nolan. No. 1,083,409; Jan. 6; Gaz. vol. 198; p. 52.
- Annunciator. O. M. Leich. No. 1,113,128; Oct. 6; Gaz. vol. 207; p. 246.
- Annunciator. O. M. Leich. No. 1,116,598; Nov. 10; Gaz. vol. 208; p. 432.
- Annunciator. A. Lungen. No. 1,114,275; Oct. 20; Gaz. vol. 207; p. 735.
- Annunciator. F. C. Ries. No. 1,120,084; Dec. 8; Gaz. vol. 209; p. 443.
- Annunciator, Automatic. J. H. Genter. No. 1,097,310; May 19; Gaz. vol. 202; p. 812.
- Annunciator, Automatic. J. H. Genter. No. 1,101,429; June 23; Gaz. vol. 203; p. 1185.
- Annunciator-drop. W. W. Henry. No. 1,107,610; Aug. 18; Gaz. vol. 205; p. 801.
- Annunciator, Rain-. J. H. Stroud. No. 1,109,481; Sept. 1; Gaz. vol. 206; p. 220.
- Annunciator, Street and station. C. P. Bradley. No. 1,117,317; Nov. 17; Gaz. vol. 208; p. 725.
- Annunciator system. T. A. Haugaard. No. 1,095,112; Apr. 28; Gaz. vol. 201; p. 1154.
- Annunciators for cars, Means for operating street and station. T. G. Leavell. No. 1,086,301; Feb. 3; Gaz. vol. 199; p. 251.
- Anode and anode-hook. H. R. Boissier. No. 1,091,185; Mar. 24; Gaz. vol. 200; p. 985.
- Anode residues, Treating. E. Keller. No. 1,110,493; Sept. 15; Gaz. vol. 206; p. 662.

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- Anthraquinone, Making. F. Singer. No. 1,119,546; Dec. 1; Gaz. vol. 209; p. 224.
- Anthraquinone, Making. F. Singer and E. Milarch. No. 1,103,383; July 14; Gaz. vol. 204; p. 449.
- Anthraquinone-thiazoles, Producing. F. Kačer. No. 1,095,731; May 5; Gaz. vol. 202; p. 191.
- Anti-rail-creeper. R. J. Berthoud. No. 1,120,675; Dec. 15; Gaz. vol. 209; p. 701.
- Anti-rail-creeper. H. G. Elfborg. No. 1,083,603; Jan. 6; Gaz. vol. 198; p. 114.
- Anti-rail-creeper. H. G. Elfborg. No. 1,088,976; Mar. 3; Gaz. vol. 200; p. 105.
- Anti-rail-creeper. J. E. McNeil. No. 1,094,736; Apr. 28; Gaz. vol. 201; p. 1026.
- Anti-rail-creeper. J. W. Stephenson. No. 1,093,154; Apr. 14; Gaz. vol. 201; p. 389.
- Anti-rail-spreading device. J. M. Barrow. No. 1,103,021; July 14; Gaz. vol. 204; p. 325.
- Anticreeper, Two-way. F. A. Preston. No. 1,118,229; Nov. 24; Gaz. vol. 208; p. 1082.
- Antifreezing appliance. F. B. Stober. No. 1,108,806; Aug. 25; Gaz. vol. 205; p. 1263.
- Antifreezing device. A. Babendreer and C. R. Wassell. No. 1,091,472; Mar. 31; Gaz. vol. 200; p. 1121.
- Antifrictional device for relatively movable parts. F. E. Bocorselski. No. 1,094,972; Apr. 28; Gaz. vol. 201; p. 1109.
- Antimony and arsenic ores, Treating. A. Trifonoff and D. Gardner. No. 1,097,897; May 26; Gaz. vol. 202; p. 1061.
- Antimony oxid. Manufacturing. A. L. Stark. No. 1,096,468; May 12; Gaz. vol. 202; p. 477.
- Antiseptic. P. J. A. Maignen. No. 1,086,193; Feb. 3; Gaz. vol. 199; p. 217.
- Antiseptic. P. J. A. Maignen. No. 1,086,339; Feb. 3; Gaz. vol. 199; p. 263.
- Antiseptic protector. T. Lamb. No. 1,104,908; July 28; Gaz. vol. 204; p. 1069.
- Antisiphon self-scouring trap. G. Cody. No. 1,112,437; Oct. 6; Gaz. vol. 207; p. 7.
- Antisiphon-trap. J. C. Lauth. No. 1,097,865; May 26; Gaz. vol. 202; p. 1049.
- Antiskid attachment. A. Medve. No. 1,104,526; July 21; Gaz. vol. 204; p. 889.
- Antiskid attachment for vehicle-wheels. M. Bajar. No. 1,118,390; Nov. 24; Gaz. vol. 208; p. 1140.
- Antiskid-chain. C. R. Rawdon and E. M. Parker. No. 1,086,558; Feb. 10; Gaz. vol. 199; p. 387.
- Antiskid device. E. Jenöi and S. Kruchió. No. 1,107,796; Aug. 18; Gaz. vol. 205; p. 867.
- Antiskid device for motor-vehicle wheels. M. Malek. No. 1,095,219; May 5; Gaz. vol. 202; p. 17.
- Antiskid device for tires. F. Schnackel. No. 1,106,896; Aug. 11; Gaz. vol. 205; p. 502.
- Antiskidding attachment for automobile-tires. W. S. Laufer. No. 1,115,692; Nov. 3; Gaz. vol. 208; p. 78.
- Antiskidding device. A. S. Cahn and J. W. Johnson. No. 1,118,102; Nov. 24; Gaz. vol. 208; p. 1039.
- Antiskidding device. J. T. Hanna. No. 1,118,280; Nov. 24; Gaz. vol. 208; p. 1100.
- Antiskidding device. J. W. Leasure. No. 1,100,311; June 16; Gaz. vol. 203; p. 748.
- Antiskidding device. E. Simmons and W. S. Day. No. 1,117,099; Nov. 10; Gaz. vol. 208; p. 607.
- Antiskidding device. J. Vaday. No. 1,105,386; July 28; Gaz. vol. 204; p. 1238.
- Antiskidding device for automobile-wheels. M. Moseng. No. 1,098,457; June 2; Gaz. vol. 203; p. 35.
- Antiskidding device for automobiles. E. Hines. No. 1,093,416; Apr. 14; Gaz. vol. 201; p. 478.
- Antiskidding device for automobiles. L. M. Keech. No. 1,091,142; Mar. 24; Gaz. vol. 200; p. 970.
- Antiskidding device for automobiles. T. J. Spicer. No. 1,120,633; Dec. 8; Gaz. vol. 209; p. 639.
- Antiskidding device for automobiles and the like. P. Maag. No. 1,107,430; Aug. 18; Gaz. vol. 205; p. 738.
- Antiskidding device for cushioned-tire wheels. L. Péntek. No. 1,120,527; Dec. 8; Gaz. vol. 209; p. 601.
- Antiskidding device for pneumatic tires. A. Schessy and S. Remusz. No. 1,118,880; Nov. 24; Gaz. vol. 208; p. 1308.
- Antiskidding device for tires. L. Rakai. No. 1,115,105; Oct. 27; Gaz. vol. 207; p. 1081.
- Antiskidding device for vehicle-wheels. A. Bosshard. No. 1,119,234; Dec. 1; Gaz. vol. 209; p. 116.
- Antiskidding device for vehicle-wheels. H. J. Steigerwald. No. 1,102,103; June 30; Gaz. vol. 203; p. 1473.
- Antiskidding or emergency brake for automobiles. J. C. Lautenbacher and A. Geary. No. 1,102,932; July 7; Gaz. vol. 204; p. 246.
- Antislipping device. H. S. Berge. No. 1,087,866; Feb. 17; Gaz. vol. 199; p. 890.
- Antislipping device. W. T. Cathcart. No. 1,100,533; June 16; Gaz. vol. 203; p. 823.
- Antislipping device. H. Foltz. No. 1,117,019; Nov. 10; Gaz. vol. 208; p. 580.
- Antislipping device. M. J. Frambach and A. R. Corrington. No. 1,096,101; May 12; Gaz. vol. 202; p. 351.
- Antislipping device. H. J. Otis. No. 1,084,957; Jan. 20; Gaz. vol. 198; p. 625.
- Antislipping device. W. Scace. No. 1,113,581; Oct. 13; Gaz. vol. 207; p. 451.
- Antislipping device. H. H. Streeseman. No. 1,118,697; Nov. 24; Gaz. vol. 208; p. 1247.
- Antislipping device for wheels. J. C. McLean. No. 1,110,331; Sept. 15; Gaz. vol. 206; p. 604.
- Antivibration device for use on wheeled vehicles. E. V. Hartford. No. 1,095,571; May 5; Gaz. vol. 202; p. 136.
- Anvil attachment. M. C. Bucher. No. 1,113,750; Oct. 13; Gaz. vol. 207; p. 511.
- Anvil attachment. L. M. Miller. No. 1,098,584; June 2; Gaz. vol. 203; p. 79.
- Anvil attachment. J. R. Stull. No. 1,088,742; Mar. 3; Gaz. vol. 200; p. 25.
- Anvil, Basket-. A. Bodjack. No. 1,083,792; Jan. 6; Gaz. vol. 198; p. 175.
- Anvil-block. C. A. Dieckman. No. 1,093,320; Apr. 14; Gaz. vol. 201; p. 447.
- Aperture-gate. C. A. Currie. No. 1,112,270; Sept. 29; Gaz. vol. 206; p. 1358.
- Apparel, Attaching fastening devices to wearing. W. Kops. No. 1,084,348; Jan. 13; Gaz. vol. 198; p. 391.
- Apparel, Cutting and fitting wearing. J. W. Cohn and M. Weiner. No. 1,121,581; Dec. 15; Gaz. vol. 209; p. 1917.
- Apparel fastener, Wearing-. J. B. Conde and C. C. Moscony. No. 1,113,878; Oct. 13; Gaz. vol. 207; p. 555.
- Apparel, Foot-ball protective. G. L. Pierce. No. 1,094,865; Apr. 28; Gaz. vol. 201; p. 1070.
- Apparel, Wearing-. E. Axford. No. 1,110,982; Sept. 15; Gaz. vol. 206; p. 832.
- Apparel, Wearing-. J. L. Cabelinsky. No. 1,097,530; May 19; Gaz. vol. 202; p. 886.
- Apparel, Wearing-. F. L. Cadenas. No. 1,093,032; Apr. 14; Gaz. vol. 201; p. 345.
- Apparel, Wearing-. S. Uyeda. No. 1,083,712; Jan. 6; Gaz. vol. 198; p. 151.
- Apparel, Wearing-. J. A. Wootten. No. 1,092,685; Apr. 7; Gaz. vol. 201; p. 193.
- Apple-sizer. F. M. Bair. No. 1,103,647; July 14; Gaz. vol. 204; p. 545.
- Apple-sorter. W. H. Gray. No. 1,102,496; July 7; Gaz. vol. 204; p. 96.
- Appliqué-machine. C. A. Wright. No. 1,085,518; Jan. 27; Gaz. vol. 198; p. 851.
- Apron. A. H. Gage. No. 1,096,297; May 12; Gaz. vol. 202; p. 419.
- Apron. I. A. and B. S. Robertson. No. 1,094,345; Apr. 21; Gaz. vol. 201; p. 825.
- Apron and cup supporting device. E. R. Philip. No. 1,091,698; Mar. 31; Gaz. vol. 200; p. 1200.
- Apron and cup supporting device, Combined. E. R. Philip. No. 1,091,699; Mar. 31; Gaz. vol. 200; p. 1200.
- Apron-controlling mechanism. F. C. Wendell. No. 1,100,801; June 23; Gaz. vol. 203; p. 968.
- Apron, Fruit-picker's. E. T. Reese. No. 1,094,250; Apr. 21; Gaz. vol. 201; p. 798.
- Apron-guiding device. F. G. Sargent. No. 1,096,268; May 12; Gaz. vol. 202; p. 410.
- Apron-strings, Device for inserting. G. A. Steiner and W. F. Tuckett. No. 1,119,659; Dec. 1; Gaz. vol. 209; p. 261.
- Apron, Studded. G. W. Nelson. No. 1,119,860; Dec. 8; Gaz. vol. 209; p. 365.
- Aquatic instruction and amusement, Apparatus for. C. F. Jacobsen. No. 1,095,872; May 5; Gaz. vol. 202; p. 238.
- Arbor-press. G. T. Eames. No. 1,106,500; Aug. 11; Gaz. vol. 205; p. 363.
- Arbor-press. W. E. Elliott. No. 1,103,179; July 14; Gaz. vol. 204; p. 381.
- Arbor-press. W. E. Elliott. No. 1,103,182; July 14; Gaz. vol. 204; p. 383.
- Arc-extinguisher. F. M. Locke. No. 1,116,303; Nov. 3; Gaz. vol. 208; p. 284.
- Arc mechanism for systems of space communications. L. De Forest. No. 1,123,120; Dec. 29; Gaz. vol. 209; p. 1627.
- Arch and ankle support. E. J. Mountain. No. 1,094,585; Apr. 28; Gaz. vol. 201; p. 970.
- Arch and heel support and insole. B. Delaney. No. 1,093,608; Apr. 21; Gaz. vol. 201; p. 581.
- Arch, Hollow-tile. P. H. Bevier. No. 1,091,794; Mar. 31; Gaz. vol. 200; p. 1235.
- Arch-support. A. E. Block. No. 1,110,476; Sept. 15; Gaz. vol. 206; p. 656.
- Arch-support. M. D. Good. No. 1,095,849; May 5; Gaz. vol. 202; p. 230.
- Arch-support. G. C. Hammann. No. 1,112,005; Sept. 29; Gaz. vol. 206; p. 1266.
- Arch-support. J. D. Price. No. 1,106,000; Aug. 4; Gaz. vol. 205; p. 145.
- Arch-support. M. E. Stephenson. No. 1,113,380; Oct. 13; Gaz. vol. 207; p. 381.
- Arch-supporter. G. C. Hammann. No. 1,099,648; June 9; Gaz. vol. 203; p. 482.
- Arch-supporter. C. C. Steger. No. 1,085,507; Jan. 27; Gaz. vol. 198; p. 848.
- Arch-supporting pad. J. S. Leary. No. 1,091,673; Mar. 31; Gaz. vol. 200; p. 1191.

Alphabetical list of inventions—Continued.

- Arch-tube safety device. P. Bowers. No. 1,105,397; July 28; Gaz. vol. 204; p. 1241.
- Argon and rare atmospheric gases, Obtaining. J. E. Bucher. No. 1,106,921; Aug. 11; Gaz. vol. 205; p. 511.
- Arm, Artificial. A. Visil. No. 1,111,508; Sept. 22; Gaz. vol. 206; p. 1057.
- Arm-chair. A. Wanner, Jr. No. 1,088,385; Feb. 24; Gaz. vol. 199; p. 1116.
- Arm-chair and folding bed, Convertible. H. Brooks. No. 1,104,618; July 21; Gaz. vol. 204; p. 919.
- Arm-chair, Tablet. C. H. Jackson. No. 1,099,303; June 9; Gaz. vol. 203; p. 362.
- Arm or support, Adjustable. W. Erwin. No. 1,088,690; Mar. 3; Gaz. vol. 200; p. 7.
- Arm rest or support. F. W. Page. No. 1,103,824; July 14; Gaz. vol. 204; p. 604.
- Arm-rest, Writer's. S. J. King. No. 1,113,020; Oct. 6; Gaz. vol. 207; p. 211.
- Arm-supporter. J. D. Rafert. No. 1,083,338; Jan. 6; Gaz. vol. 198; p. 26.
- Armature. C. W. Dake. No. 1,109,825; Sept. 8; Gaz. vol. 206; p. 382.
- Armature, Magneto-. D. B. Hughes. No. 1,108,442; Aug. 25; Gaz. vol. 205; p. 1137.
- Armature-winding machine, Drum-. P. E. Chapman. No. 1,121,798; Dec. 22; Gaz. vol. 209; p. 1128.
- Armature-winding mechanism, Tension device for. C. C. West. No. 1,103,718; July 14; Gaz. vol. 204; p. 569.
- Armatures of electromagnets, Adjustable mounting of. E. B. Craft. No. 1,096,287; May 12; Gaz. vol. 202; p. 416.
- Armor and safe plate. S. S. Wales. No. 1,097,573; May 19; Gaz. vol. 202; p. 901.
- Armor, Machine for making flexible tubular. E. R. Ramsey and J. H. Meyer. No. 1,105,836; Aug. 4; Gaz. vol. 205; p. 87.
- Armor-plate. R. A. Hadfield. No. 1,089,638; Mar. 10; Gaz. vol. 200; p. 378.
- Armor-plate. S. S. Wales. No. 1,111,709; Sept. 22; Gaz. vol. 206; p. 1129.
- Armor-plate, Treating. S. S. Wales. No. 1,097,572; May 19; Gaz. vol. 202; p. 900.
- Armor-plates for warships and other steel articles without case-hardening, Producing. A. Lucertini. No. 1,110,395; Sept. 15; Gaz. vol. 206; p. 627.
- Armor-plates, Manufacture of. A. Lucertini. No. 1,086,459; Feb. 10; Gaz. vol. 199; p. 352.
- Armor-plates, Treating. A. F. Mitchell and W. H. Jones. No. 1,100,193; June 16; Gaz. vol. 203; p. 707.
- Armoring-machine. C. T. Pratt. No. 1,091,161; Mar. 24; Gaz. vol. 200; p. 977.
- Arsenic-antimony compound and making same. A. Berthelm and P. Karrer. No. 1,111,821; Sept. 29; Gaz. vol. 206; p. 1204.
- Arsenic or antimony from ores containing the same, Extraction of. H. A. Lewis and F. G. Price. No. 1,104,810; July 28; Gaz. vol. 204; p. 1035.
- Arseno-azo compounds and making same. P. Ehrlich and P. Karrer. No. 1,120,700; Dec. 15; Gaz. vol. 209; p. 710.
- Arseno-metal preparations and making same. P. Ehrlich, B. Reuter, and P. Karrer. No. 1,091,881; Mar. 31; Gaz. vol. 200; p. 1265.
- Arsenostibino compounds and making same. P. Ehrlich and P. Karrer. No. 1,108,154; Aug. 25; Gaz. vol. 205; p. 1039.
- Arterial tube. F. W. Davis. No. 1,109,626; Sept. 1; Gaz. vol. 206; p. 270.
- Article-carrier. A. J. Coughenour. No. 1,113,415; Oct. 13; Gaz. vol. 207; p. 394.
- Article-holder. W. M. Glotfelty. No. 1,099,698; June 9; Gaz. vol. 203; p. 500.
- Article-holder. J. B. Mueller. No. 1,103,682; July 14; Gaz. vol. 204; p. 557.
- Artillery, Pivot-stand for mobile. W. Heilemann and H. Kanonenberg. No. 1,098,258; May 26; Gaz. vol. 202; p. 1186.
- Asbestos-cement mold for steam-pipe fittings. S. C. Doehring. No. 1,116,394; Nov. 10; Gaz. vol. 208; p. 357.
- Asbestos fiber for insulating purposes, Preparing. H. L. Owen. No. 1,094,467; Apr. 28; Gaz. vol. 201; p. 930.
- Asbestos, Purification of. W. R. Whitney. No. 1,094,505; Apr. 28; Gaz. vol. 201; p. 943.
- Ash-box. G. J. Hankins. No. 1,114,470; Oct. 20; Gaz. vol. 207; p. 806.
- Ash-can. C. Kaiser. No. 1,106,877; Aug. 11; Gaz. vol. 205; p. 496.
- Ash-can and lawn-roller, Combined. J. C. B. Jarvis. No. 1,088,582; Feb. 24; Gaz. vol. 199; p. 1179.
- Ash-conveyer. A. Girtanner. No. 1,096,623; May 12; Gaz. vol. 202; p. 529.
- Ash-distributor. F. M. Worthington. No. 1,109,731; Sept. 8; Gaz. vol. 206; p. 350.
- Ash-ejector, Under-water. J. F. Metten. No. 1,112,151; Sept. 29; Gaz. vol. 206; p. 1315.
- Ash-pit dumper. T. E. McCall. No. 1,100,982; June 23; Gaz. vol. 203; p. 1033.
- Ash-receptacle. M. M. De Grody. No. 1,090,138; Mar. 17; Gaz. vol. 200; p. 591.
- Ash-receptacle. O. L. Heintz. No. 1,092,991; Apr. 14; Gaz. vol. 201; p. 332.
- Ash-remover. R. Tannenbaum. No. 1,108,944; Sept. 1; Gaz. vol. 206; p. 30.
- Ash-tray, Pocket. J. H. Bremer. No. 1,090,018; Mar. 10; Gaz. vol. 200; p. 500.
- Ashes, clinkers, or other refuse, Apparatus for discharging. W. S. Parsons. No. 1,102,351; July 7; Gaz. vol. 204; p. 45.
- Ashes receptacle, Light-. J. Martin. No. 1,103,794; July 14; Gaz. vol. 204; p. 594.
- Asphalt-chopping machine. C. E. Bathrick. No. 1,089,356; Mar. 3; Gaz. vol. 200; p. 232.
- Asphalt from crude oil or residuum thereof, Manufacture of. C. B. Forward. No. 1,088,692; Mar. 3; Gaz. vol. 200; p. 8.
- Asphalt-machines, Drier for portable. C. E. Guelich. No. 1,090,206; Mar. 17; Gaz. vol. 200; p. 615.
- Asphalt mastic and related materials, Portable machine for treating. C. E. Guelich. No. 1,117,561; Nov. 17; Gaz. vol. 208; p. 809.
- Asphalt pavement. E. M. Chadbourne. No. 1,103,127; July 14; Gaz. vol. 204; p. 363.
- Asphalt roadway. E. M. Chadbourne. No. 1,098,710; June 2; Gaz. vol. 203; p. 121.
- Asphaltic-block-breaking mechanism. G. E. Whitney. No. 1,119,379; Dec. 1; Gaz. vol. 209; p. 166.
- Asphalting apparatus. W. P. Tarrant. No. 1,086,795; Feb. 10; Gaz. vol. 199; p. 471.
- Aspirating apparatus. H. J. Schmitt. No. 1,121,297; Dec. 15; Gaz. vol. 209; p. 918.
- Assembling-elevator. R. Toeplitz. No. 1,108,814; Aug. 25; Gaz. vol. 205; p. 1266.
- Assembling-machine. O. Ashton. No. 1,110,308; Sept. 15; Gaz. vol. 206; p. 595.
- Associating, cutting, and folding apparatus. H. F. Bechman. No. 1,102,637; July 7; Gaz. vol. 204; p. 146.
- Assorting apparatus. P. Kramer. No. 1,104,993; July 28; Gaz. vol. 204; p. 1097.
- Assorting-machine. A. E. Graves. No. 1,101,124; June 23; Gaz. vol. 203; p. 1081.
- Assorting or grading machine. H. B. Ritchie. No. 1,119,454; Dec. 1; Gaz. vol. 209; p. 191.
- Assorting solid substances, Mechanism for. D. Swarovski and H. Weis. No. 1,098,062; May 26; Gaz. vol. 202; p. 1120.
- Astronomical apparatus. T. W. Wood. No. 1,083,648; Jan. 6; Gaz. vol. 198; p. 129.
- Asynchronous motor. T. L. Lee. No. 1,113,565; Oct. 13; Gaz. vol. 207; p. 446.
- Athlete's protective pad. W. L. Golden. No. 1,088,273; Feb. 24; Gaz. vol. 199; p. 1080.
- Atomizer. O. F. Becker. No. 1,098,876; June 2; Gaz. vol. 203; p. 176.
- Atomizer. C. Fellerer. No. 1,083,528; Jan. 6; Gaz. vol. 198; p. 89.
- Atomizer. E. J. Franklin. No. 1,102,033; June 30; Gaz. vol. 203; p. 1449.
- Atomizer. E. J. Franklin. No. 1,102,034; June 30; Gaz. vol. 203; p. 1449.
- Atomizer. G. J. Kelley. No. 1,090,863; Mar. 24; Gaz. vol. 200; p. 871.
- Atomizer. E. R. Pettit. No. 1,103,684; July 14; Gaz. vol. 204; p. 558.
- Atomizer. W. J. Smart. No. 1,110,653; Sept. 15; Gaz. vol. 206; p. 718.
- Atomizer. C. A. Tatum. No. 1,099,474; June 9; Gaz. vol. 203; p. 422.
- Atomizer. S. Trask. No. 1,113,069; Oct. 6; Gaz. vol. 207; p. 227.
- Atomizer for oil-burners. J. H. Becker. No. 1,095,447; May 5; Gaz. vol. 202; p. 93.
- Atomizer, Fuel-. J. D. Kiser. No. 1,094,075; Apr. 21; Gaz. vol. 201; p. 739.
- Atomizer or spraying device. E. H. Peabody and D. J. Irish. No. 1,102,352; July 7; Gaz. vol. 204; p. 45.
- Atomizer or the like. T. A. De Vilbiss. No. 1,093,039; Apr. 14; Gaz. vol. 201; p. 347.
- Atomizer, Perfume-. F. Berger. No. 1,104,607; July 21; Gaz. vol. 204; p. 916.
- Atomizers, &c., Adjustable spray-tip for. C. A. Tatum. No. 1,120,760; Dec. 15; Gaz. vol. 209; p. 731.
- Atomizing-lubricator. I. M. Woodmansee. No. 1,113,276; Oct. 13; Gaz. vol. 207; p. 344.
- Attention, Device for attracting. J. A. Partington. No. 1,096,122; May 12; Gaz. vol. 202; p. 359.
- Attrition-mill. F. Hamachek. No. 1,091,654; Mar. 31; Gaz. vol. 200; p. 1185.
- Attrition-mill. J. S. Sorensen. No. 1,111,274; Sept. 22; Gaz. vol. 206; p. 978.
- Auditing and totalizing mechanism. E. S. Church. No. 1,118,185; Nov. 24; Gaz. vol. 208; p. 1067.
- Auditorium or hall for buildings. F. Clement. No. 1,096,826; May 19; Gaz. vol. 202; p. 640.
- Auditorium wall and ceiling and the like. W. C. Sabine and R. Guastavino. No. 1,119,543; Dec. 1; Gaz. vol. 209; p. 223.
- Auger attachment, Post-. P. Frueh. No. 1,084,937; Jan. 20; Gaz. vol. 198; p. 618.
- Auger-bit. J. T. Parker. No. 1,111,318; Sept. 22; Gaz. vol. 206; p. 991.

Alphabetical list of inventions—Continued.

- Auger, Earth-. W. L. Iwan. No. 1,106,097; Aug. 4; Gaz. vol. 205; p. 180.
- Auger, Earth-. C. A. Suhr. No. 1,106,425; Aug. 11; Gaz. vol. 205; p. 333.
- Auger, Earth-. B. G., T., and W. P. Watkins. No. 1,114,206; Oct. 20; Gaz. vol. 207; p. 711.
- Auger, Ground-. H. Fuchs. No. 1,107,927; Aug. 18; Gaz. vol. 205; p. 910.
- Auger, Post-hole. J. S. Hamilton. No. 1,113,332; Oct. 13; Gaz. vol. 207; p. 363.
- Auger, Post-hole. B. G., W. P., and T. Watkins. No. 1,110,517; Sept. 15; Gaz. vol. 206; p. 670.
- Auger, Spoke-. S. M. Stowell. No. 1,117,925; Nov. 17; Gaz. vol. 208; p. 936.
- Auric compounds from cantharidylethylenediamin and making same. G. Spiess and A. Feldt. No. 1,104,149; July 21; Gaz. vol. 204; p. 756.
- Auto-antirattler. W. P. Fitzgerald. No. 1,121,818; Dec. 22; Gaz. vol. 209; p. 1136.
- Auto-body. A. Orton. No. 1,094,241; Apr. 21; Gaz. vol. 201; p. 794.
- Auto-drive. A. O. Turner. No. 1,113,071; Oct. 6; Gaz. vol. 207; p. 227.
- Auto emergency-brake. W. H. Innis, Jr. No. 1,088,151; Feb. 24; Gaz. vol. 199; p. 1038.
- Auto-fender. O. G. Clay. No. 1,106,783; Aug. 11; Gaz. vol. 205; p. 462.
- Auto-hood-fastening device. J. F. Duryea. No. 1,100,292; June 16; Gaz. vol. 203; p. 742.
- Auto-lift. E. H. Riopel. No. 1,091,390; Mar. 24; Gaz. vol. 200; p. 1051.
- Auto-rest. G. Sjolander. No. 1,105,462; July 28; Gaz. vol. 204; p. 1264.
- Auto-trailer connector. J. Roedel. No. 1,118,236; Nov. 24; Gaz. vol. 208; p. 1084.
- Auto turn-jack. W. Willet. No. 1,088,953; Mar. 3; Gaz. vol. 200; p. 97.
- Auto-wheel. F. H. John. No. 1,102,665; July 7; Gaz. vol. 204; p. 156.
- Autos, Muffler for. W. Reetz. No. 1,109,702; Sept. 8; Gaz. vol. 206; p. 340.
- Autocycle seat-back, Adjustable and collapsible. C. S. Ruff. No. 1,113,833; Oct. 13; Gaz. vol. 207; p. 540.
- Autodrome. H. J. Cohn. No. 1,091,484; Mar. 31; Gaz. vol. 200; p. 1126.
- Autogenous burner. E. Wiss. No. 1,121,218; Dec. 15; Gaz. vol. 209; p. 891.
- Autographic register. E. J. Barker. No. 1,085,101; Jan. 27; Gaz. vol. 198; p. 709.
- Autographic register. W. N. Boller. No. 1,090,905; Mar. 24; Gaz. vol. 200; p. 886.
- Autographic register. U. G. Cave. No. 1,102,210; June 30; Gaz. vol. 203; p. 1511.
- Autographic register. W. J. Hainer. No. 1,112,607; Oct. 6; Gaz. vol. 207; p. 70.
- Autographic register. A. Krauth. No. 1,122,508; Dec. 29; Gaz. vol. 209; p. 1411.
- Autographic register. F. C. Nickol and M. C. Stern. No. 1,104,127; July 21; Gaz. vol. 204; p. 749.
- Autographic register. T. F. Schirmer. No. 1,106,976; Aug. 11; Gaz. vol. 205; p. 530.
- Autographic register. S. R. Shoup. No. 1,098,335; May 26; Gaz. vol. 202; p. 1214.
- Autographic-register web-support. A. Krauth. No. 1,119,179; Dec. 1; Gaz. vol. 209; p. 98.
- Autographic registers, Feed-rolls for. H. Konerman. No. 1,084,213; Jan. 13; Gaz. vol. 198; p. 348.
- Autoharp. G. J. Reynolds and F. M. Nickerson. No. 1,097,048; May 19; Gaz. vol. 202; p. 719.
- Automatic alarm. H. G. Hoffman and G. C. Eastin. No. 1,116,276; Nov. 3; Gaz. vol. 208; p. 275.
- Automatic alarm. C. C. Miller. No. 1,115,712; Nov. 3; Gaz. vol. 208; p. 84.
- Automatic brake. D. A. Matthews. No. 1,089,242; Mar. 3; Gaz. vol. 200; p. 195.
- Automatic brake. H. H. Phillips. No. 1,085,476; Jan. 27; Gaz. vol. 198; p. 837.
- Automatic car-coupling. J. C. Duncan. No. 1,119,254; Dec. 1; Gaz. vol. 209; p. 122.
- Automatic coupling. J. Corkery. No. 1,102,245; July 7; Gaz. vol. 204; p. 8.
- Automatic coupling for railway, tramway, and other vehicles. A. D. Smith. No. 1,084,367; Jan. 13; Gaz. vol. 198; p. 398.
- Automatic coupling for railway, tramway, and similar vehicles. A. D. Smith. No. 1,084,368; Jan. 13; Gaz. vol. 198; p. 398.
- Automatic drier, Continuous. C. A. Wendell. No. 1,088,754; Mar. 3; Gaz. vol. 200; p. 28.
- Automatic-feed lubricator. F. Doyle. No. 1,105,126; July 28; Gaz. vol. 204; p. 1143.
- Automatic fender. L. Box. No. 1,106,772; Aug. 11; Gaz. vol. 205; p. 458.
- Automatic fender. B. Péducasse. No. 1,107,995; Aug. 18; Gaz. vol. 205; p. 935.
- Automatic fountain. W. G. Kendall and C. Schonert. No. 1,110,943; Sept. 15; Gaz. vol. 206; p. 820.
- Automatic gate. D. Samson. No. 1,091,591; Mar. 31; Gaz. vol. 200; p. 1162.
- Automatic lubricator. E. R. McKinzie. No. 1,112,821; Oct. 6; Gaz. vol. 207; p. 143.
- Automatic lubricator. O. Wetzel. No. 1,121,958; Dec. 22; Gaz. vol. 209; p. 1185.
- Automatic-machine controlling mechanism. E. E. Winkley. No. 1,110,662; Sept. 15; Gaz. vol. 206; p. 722.
- Automatic register. J. F. Prock. No. 1,122,029; Dec. 22; Gaz. vol. 209; p. 1211.
- Automatic regulator. W. Kane. No. 1,098,733; June 2; Gaz. vol. 203; p. 128.
- Automatic sectionalizing-switch. J. E. Molony. No. 1,108,605; Aug. 25; Gaz. vol. 205; p. 1196.
- Automatic sprinkler. F. M. W. Burhoe. No. 1,118,266; Nov. 24; Gaz. vol. 208; p. 1094.
- Automatic switch. F. R. McBerty. No. 1,085,454; Jan. 27; Gaz. vol. 198; p. 830.
- Automatic switch for flashers, &c. G. F. Kirchhoff. No. 1,101,494; June 23; Gaz. vol. 203; p. 1208.
- Automatic switch for traction-lines. F. Rice. No. 1,085,485; Jan. 27; Gaz. vol. 198; p. 841.
- Automatic whistling and signaling device. J. T. Dodson. No. 1,119,583; Dec. 1; Gaz. vol. 209; p. 236.
- Automatic wrench. A. O. Buckius, Jr. No. 1,117,320; Nov. 17; Gaz. vol. 208; p. 726.
- Automatically-operated switch. C. W. Eisenmann. No. 1,106,372; Aug. 11; Gaz. vol. 205; p. 316.
- Automobile. L. Brown. No. 1,116,791; Nov. 10; Gaz. vol. 208; p. 500.
- Automobile. L. Clark. No. 1,111,295; Sept. 22; Gaz. vol. 206; p. 984.
- Automobile. G. W. De Witt. No. 1,091,735; Mar. 31; Gaz. vol. 200; p. 1213.
- Automobile. C. E. Gibson. No. 1,111,018; Sept. 22; Gaz. vol. 206; p. 889.
- Automobile. W. E. Gilmore. No. 1,107,057; Aug. 11; Gaz. vol. 205; p. 556.
- Automobile. E. R. Hewitt. No. 1,101,697; June 30; Gaz. vol. 203; p. 1329.
- Automobile. C. B. King. No. 1,100,309; June 16; Gaz. vol. 203; p. 747.
- Automobile. C. B. King. No. 1,115,836; Nov. 3; Gaz. vol. 208; p. 125.
- Automobile, Ambulance-. F. E. Campbell. No. 1,099,020; June 2; Gaz. vol. 203; p. 223.
- Automobile and boat, Combined. L. G. Washington. No. 1,122,671; Dec. 29; Gaz. vol. 209; p. 1470.
- Automobile and other vehicle lock. F. Seeber. No. 1,115,592; Nov. 3; Gaz. vol. 208; p. 42.
- Automobile and the like heater. C. R. Nelson. No. 1,108,466; Aug. 25; Gaz. vol. 205; p. 1147.
- Automobile appliance. J. W. Calta. No. 1,097,167; May 19; Gaz. vol. 202; p. 762.
- Automobile attachment. C. A. Green. No. 1,112,003; Sept. 29; Gaz. vol. 206; p. 1265.
- Automobile attachment. E. F. Martin. No. 1,102,773; July 7; Gaz. vol. 204; p. 193.
- Automobile attachment. S. B. White. No. 1,115,356; Oct. 27; Gaz. vol. 207; p. 1166.
- Automobile auxiliary body. T. D. Prindiville. No. 1,099,818; June 9; Gaz. vol. 203; p. 539.
- Automobile auxiliary drive. C. P. Allen. No. 1,117,621; Nov. 17; Gaz. vol. 208; p. 830.
- Automobile auxiliary seat. F. Kiehler. No. 1,101,172; June 23; Gaz. vol. 203; p. 1105.
- Automobile axle construction. J. A. Marsh and R. Ulrich. No. 1,098,816; June 2; Gaz. vol. 203; p. 156.
- Automobile-bodies, Door for. J. R. Welch. No. 1,091,608; Mar. 31; Gaz. vol. 200; p. 1169.
- Automobile-body. E. H. Binns. No. 1,086,128; Feb. 3; Gaz. vol. 199; p. 196.
- Automobile-body. A. P. Brush. No. 1,091,187; Mar. 24; Gaz. vol. 200; p. 985.
- Automobile-brace. R. E. Carpenter. No. 1,118,529; Nov. 24; Gaz. vol. 208; p. 1189.
- Automobile-brake. P. Boch. No. 1,108,685; Aug. 25; Gaz. vol. 205; p. 1222.
- Automobile-brake. A. S. Lenhart and J. L. Wells. No. 1,113,567; Oct. 13; Gaz. vol. 207; p. 447.
- Automobile-brake. M. Rinyik. No. 1,118,233; Nov. 24; Gaz. vol. 208; p. 1083.
- Automobile-brake. W. F. Via. No. 1,088,248; Feb. 24; Gaz. vol. 199; p. 1070.
- Automobile brake-actuating mechanism. H. S. Morton. No. 1,104,066; July 21; Gaz. vol. 204; p. 729.
- Automobile brake, lock, and jack, Combined. G. Baumann. No. 1,112,427; Oct. 6; Gaz. vol. 207; p. 3.
- Automobile-buffer. L. P. Halladay. No. 1,121,828; Dec. 22; Gaz. vol. 209; p. 1140.
- Automobile-buffer. A. L. McGregor. No. 1,103,981; July 21; Gaz. vol. 204; p. 699.
- Automobile-buffer. W. N. Packer. No. 1,104,443; July 21; Gaz. vol. 204; p. 857.
- Automobile-bumper. L. P. Halladay. No. 1,106,558; Aug. 11; Gaz. vol. 205; p. 384.
- Automobile-bumper. A. L. McGregor. No. 1,088,832; Mar. 3; Gaz. vol. 200; p. 55.
- Automobile-bumper. J. H. Sager. No. 1,108,625; Aug. 25; Gaz. vol. 205; p. 1203.
- Automobile-bumper. J. H. Sager. No. 1,108,626; Aug. 25; Gaz. vol. 205; p. 1203.
- Automobile-bumper. C. Weiland. No. 1,098,860; June 2; Gaz. vol. 203; p. 170.

Alphabetical list of inventions—Continued.

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- Automobile-chassis. C. C. Keyser. No. 1,084,446; Jan. 13; Gaz. vol. 198; p. 422.
- Automobile clutch-lever lock. G. P. Smith. No. 1,084,237; Jan. 13; Gaz. vol. 198; p. 356.
- Automobile clutch-lock. F. H. Coon. No. 1,097,081; May 19; Gaz. vol. 202; p. 732.
- Automobile construction. L. W. Coppock. No. 1,111,525; Sept. 22; Gaz. vol. 206; p. 1063.
- Automobile construction. W. L. Marr. No. 1,113,131; Oct. 6; Gaz. vol. 207; p. 248.
- Automobile construction, Front-drive. G. A. Soden and J. W. Poulson. No. 1,114,815; Oct. 27; Gaz. vol. 207; p. 977.
- Automobile control, Electrical distribution system for. V. G. Apple. No. 1,115,154; Oct. 27; Gaz. vol. 207; p. 1098.
- Automobile control-pedal. A. L. McMurtry. No. 1,106,466; Aug. 11; Gaz. vol. 205; p. 350.
- Automobile controlling-levers, Foot-rest attachment for. H. Dunlap and R. Kaufman. No. 1,120,460; Dec. 8; Gaz. vol. 209; p. 578.
- Automobile cooling system. T. B. Jeffery. No. 1,100,888; June 23; Gaz. vol. 203; p. 998.
- Automobile cooling systems, Protector for. F. H. Mason. No. 1,101,751; June 30; Gaz. vol. 203; p. 1347.
- Automobile cover-adjuster. G. F. Von Moos. No. 1,108,951; Sept. 1; Gaz. vol. 206; p. 33.
- Automobile crank-handle holder. H. G. and A. W. Possner. No. 1,108,230; Aug. 25; Gaz. vol. 205; p. 1065.
- Automobile cranking mechanism, Safety attachment for. H. C. Tunis. No. 1,090,660; Mar. 17; Gaz. vol. 200; p. 774.
- Automobile device. G. Duncan. No. 1,088,554; Feb. 24; Gaz. vol. 199; p. 1171.
- Automobile device, Non-skid. W. J. Hasley. No. 1,118,931; Dec. 1; Gaz. vol. 209; p. 9.
- Automobile differential gearing. C. C. Coakley. No. 1,121,803; Dec. 22; Gaz. vol. 209; p. 1130.
- Automobile distance-rod. G. E. Franquist. No. 1,094,140; Apr. 21; Gaz. vol. 201; p. 760.
- Automobile-door. W. G. Miner. No. 1,087,809; Feb. 17; Gaz. vol. 199; p. 873.
- Automobile door-curtain. H. Ervien. No. 1,120,608; Dec. 8; Gaz. vol. 209; p. 630.
- Automobile-doors, Buffer for. J. F. O'Brien. No. 1,098,393; June 2; Gaz. vol. 203; p. 12.
- Automobile-drive. H. H. Kennedy. No. 1,093,631; Apr. 21; Gaz. vol. 201; p. 590.
- Automobile-drivers, Check-holder for. D. Joseph. No. 1,113,016; Oct. 6; Gaz. vol. 207; p. 210.
- Automobile driving and steering mechanism. M. Léonard. No. 1,097,807; May 26; Gaz. vol. 202; p. 1029.
- Automobile driving-gear. S. D. Allen. No. 1,091,998; Mar. 31; Gaz. vol. 200; p. 1304.
- Automobile emergency-brake. R. A. Houston. No. 1,115,821; Nov. 3; Gaz. vol. 208; p. 119.
- Automobile emergency-wrench. J. Lukowski. No. 1,088,786; Mar. 3; Gaz. vol. 200; p. 39.
- Automobile-fender. J. W. De Lappe. No. 1,100,229; June 16; Gaz. vol. 203; p. 719.
- Automobile-fender. J. B. Foret. No. 1,092,033; Mar. 31; Gaz. vol. 200; p. 1313.
- Automobile-fender. C. Hammarstrom. No. 1,091,331; Mar. 24; Gaz. vol. 200; p. 1030.
- Automobile-fender. W. F. Jackson. No. 1,121,727; Dec. 22; Gaz. vol. 209; p. 1104.
- Automobile-fender. W. A. Linquist. No. 1,085,988; Feb. 3; Gaz. vol. 199; p. 147.
- Automobile-fender. W. A. Linquist. No. 1,105,671; Aug. 4; Gaz. vol. 205; p. 29.
- Automobile-fender. W. A. Linquist. No. 1,114,009; Oct. 20; Gaz. vol. 207; p. 639.
- Automobile-fender. F. Meattaure. No. 1,120,073; Dec. 8; Gaz. vol. 209; p. 439.
- Automobile-fender. J. O'Leary. No. 1,095,918; May 5; Gaz. vol. 202; p. 252.
- Automobile-fender. C. Pelter, T. H. Spry, and C. F. Busse. No. 1,089,006; Mar. 3; Gaz. vol. 200; p. 114.
- Automobile-fender. C. Setzler. No. 1,102,446; July 7; Gaz. vol. 204; p. 78.
- Automobile-fender. W. E. Symons. No. 1,114,412; Oct. 20; Gaz. vol. 207; p. 784.
- Automobile-fender. G. A. Van Vorst. No. 1,106,121; Aug. 4; Gaz. vol. 205; p. 188.
- Automobile fender and guard. C. W. Killian. No. 1,122,128; Dec. 22; Gaz. vol. 209; p. 1243.
- Automobile fender or guard. J. Corcos. No. 1,100,172; June 16; Gaz. vol. 203; p. 700.
- Automobile-frame. H. U. Rogness. No. 1,116,123; Nov. 3; Gaz. vol. 208; p. 225.
- Automobile front suspension. F. O. Woodland. No. 1,112,584; Oct. 6; Gaz. vol. 207; p. 62.
- Automobile fuel-tank. W. H. Hollar. No. 1,105,272; July 28; Gaz. vol. 204; p. 1195.
- Automobile fuel-tank. E. M. Stever. No. 1,097,950; May 26; Gaz. vol. 202; p. 1080.
- Automobile gasoline-gage. E. R. Young. No. 1,121,441; Dec. 15; Gaz. vol. 209; p. 968.
- Automobile gasoline-tanks, Filler-pipe for. W. W. Wood, Jr. No. 1,117,741; Nov. 17; Gaz. vol. 208; p. 874.
- Automobile grease-retainer. G. E. Flowers. No. 1,120,300; Dec. 8; Gaz. vol. 209; p. 520.
- Automobile-guard. A. R. Finkelstein. No. 1,104,647; July 21; Gaz. vol. 204; p. 929.
- Automobile-heater. W. O. and H. H. Ashlock. No. 1,095,976; May 5; Gaz. vol. 202; p. 272.
- Automobile-heater. L. A. Brigel. No. 1,095,799; May 5; Gaz. vol. 202; p. 214.
- Automobile-heater. J. C. Kane and F. E. Hugg. No. 1,104,120; July 21; Gaz. vol. 204; p. 746.
- Automobile-heater. C. W. Van Schoik. No. 1,109,376; Sept. 1; Gaz. vol. 206; p. 186.
- Automobile heating apparatus. F. C. W. Mahne. No. 1,116,088; Nov. 3; Gaz. vol. 208; p. 213.
- Automobile-hinge. J. Laurich. No. 1,118,938; Dec. 1; Gaz. vol. 209; p. 11.
- Automobile-hood. R. C. Hupp. No. 1,104,802; July 28; Gaz. vol. 204; p. 1032.
- Automobile-hood. B. E. Thompson. No. 1,104,942; July 28; Gaz. vol. 204; p. 1081.
- Automobile hood-lock. F. C. Miller. No. 1,121,111; Dec. 15; Gaz. vol. 209; p. 856.
- Automobile hood-locking device. A. E. Marshall. No. 1,097,455; May 19; Gaz. vol. 202; p. 861.
- Automobile-horn. C. J. Brinkmann. No. 1,105,615; Aug. 4; Gaz. vol. 205; p. 9.
- Automobile-horn. H. H. Frey. No. 1,088,893; Mar. 3; Gaz. vol. 200; p. 75.
- Automobile-horn. R. H. Manson. No. 1,110,989; Sept. 15; Gaz. vol. 206; p. 834.
- Automobile-horn. V. E. Tollefson. No. 1,084,675; Jan. 20; Gaz. vol. 198; p. 528.
- Automobile-horn. J. H. Upton. No. 1,116,174; Nov. 3; Gaz. vol. 208; p. 242.
- Automobile-indicator. R. Dickinson. No. 1,104,171; July 21; Gaz. vol. 204; p. 765.
- Automobile-indicator. C. O. Shaver. No. 1,098,847; June 2; Gaz. vol. 203; p. 166.
- Automobile-jack. K. Hallen. No. 1,093,405; Apr. 14; Gaz. vol. 201; p. 475.
- Automobile-jack. M. H. Meyer. No. 1,094,004; Apr. 21; Gaz. vol. 201; p. 715.
- Automobile-jack. C. W. Parker. No. 1,107,833; Aug. 18; Gaz. vol. 205; p. 879.
- Automobile-jack. F. A. Spencer. No. 1,113,063; Oct. 6; Gaz. vol. 207; p. 224.
- Automobile-jack. F. Tirelli. No. 1,090,430; Mar. 17; Gaz. vol. 200; p. 694.
- Automobile-jack. C. E. Warner. No. 1,100,932; June 23; Gaz. vol. 203; p. 1016.
- Automobile lamp and license-panel holder. A. Winden. No. 1,112,958; Oct. 6; Gaz. vol. 207; p. 190.
- Automobile lamp-shifting device. R. H. Robbins. No. 1,118,234; Nov. 24; Gaz. vol. 208; p. 1083.
- Automobile lamp-signal. F. Pastor. No. 1,121,754; Dec. 22; Gaz. vol. 209; p. 1113.
- Automobile lap-robe. S. I. Schwarz. No. 1,120,855; Dec. 15; Gaz. vol. 209; p. 764.
- Automobile lever-lock. E. H. Bryant. No. 1,101,117; June 23; Gaz. vol. 203; p. 1079.
- Automobile license-number case. V. B. Ratterree and C. L. Waterston. No. 1,086,937; Feb. 10; Gaz. vol. 199; p. 519.
- Automobile license-plate holder. N. K. Clement. No. 1,083,728; Jan. 6; Gaz. vol. 198; p. 157.
- Automobile life-guard. G. A. Parmenter. No. 1,110,225; Sept. 8; Gaz. vol. 206; p. 526.
- Automobile lifting-jack. J. D. Darby, B. C. Phillips, and E. T. Westmoreland. No. 1,100,011; June 16; Gaz. vol. 203; p. 643.
- Automobile-light. A. L. McMurtry. No. 1,105,035; July 28; Gaz. vol. 204; p. 1112.
- Automobile light and indicator. R. K. Schieb and H. E. Shaffer. No. 1,089,014; Mar. 3; Gaz. vol. 200; p. 116.
- Automobile-lock. H. B. Anderson. No. 1,120,117; Dec. 8; Gaz. vol. 209; p. 454.
- Automobile-lock. J. A. Campbell. No. 1,089,319; Mar. 3; Gaz. vol. 200; p. 219.
- Automobile-lock. R. Cavicchi. No. 1,109,961; Sept. 8; Gaz. vol. 206; p. 432.
- Automobile-lock. C. E. Furgason. No. 1,113,980; Oct. 20; Gaz. vol. 207; p. 629.
- Automobile-lock. J. F. Hicks and P. Kovsky. No. 1,087,446; Feb. 17; Gaz. vol. 199; p. 747.
- Automobile-lock. T. S. Keffer. No. 1,090,625; Mar. 17; Gaz. vol. 200; p. 762.
- Automobile-lock. H. J. Neumann. No. 1,089,581; Mar. 10; Gaz. vol. 200; p. 359.
- Automobile-lock. P. R. Pohler. No. 1,118,580; Nov. 24; Gaz. vol. 208; p. 1207.
- Automobile-lock. F. O. Ulrich. No. 1,097,486; May 19; Gaz. vol. 202; p. 872.
- Automobile locking device. J. J. Meyer. No. 1,098,954; June 2; Gaz. vol. 203; p. 202.
- Automobile mud-guard. W. H. Mullins. No. 1,107,826; Aug. 18; Gaz. vol. 205; p. 877.
- Automobile number-display device. G. B. Mullen. No. 1,116,905; Nov. 10; Gaz. vol. 208; p. 540.

Alphabetical list of inventions—Continued.

- Automobile number-displaying device. H. Coogan. No. 1,119,809; Dec. 8; Gaz. vol. 209; p. 348.
- Automobile number-displaying device. W. Falke. No. 1,083,813; Jan. 6; Gaz. vol. 198; p. 183.
- Automobile number-plate. V. Bender. No. 1,096,670; May 12; Gaz. vol. 202; p. 544.
- Automobile number-supporting bracket. W. E. Green. No. 1,096,834; May 19; Gaz. vol. 202; p. 643.
- Automobile-pedal. Adjustable. M. H. Teeter. No. 1,118,701; Nov. 24; Gaz. vol. 208; p. 1249.
- Automobile pneumatic antivibration device. G. W. Bell. No. 1,120,011; Dec. 8; Gaz. vol. 209; p. 418.
- Automobile power plant. L. J. Monahan. No. 1,085,465; Jan. 27; Gaz. vol. 198; p. 834.
- Automobile-puller. E. H. Camfield and C. O. Nielsen. No. 1,111,211; Sept. 22; Gaz. vol. 206; p. 956.
- Automobile-puller. J. J. Fisher. No. 1,091,318; Mar. 24; Gaz. vol. 200; p. 1027.
- Automobile-radiator. A. J. Carriere. No. 1,090,023; Mar. 10; Gaz. vol. 200; p. 511.
- Automobile-radiator. P. W. Kempster. No. 1,101,634; June 30; Gaz. vol. 203; p. 1309.
- Automobile-radiator. E. M. Kluck. No. 1,101,080; June 23; Gaz. vol. 203; p. 1067.
- Automobile-radiator. E. J. Richardson. No. 1,103,840; July 14; Gaz. vol. 204; p. 609.
- Automobile-radiator. F. Todd. No. 1,102,366; July 7; Gaz. vol. 204; p. 50.
- Automobile-radiator. G. E. Wheeler. No. 1,087,899; Feb. 17; Gaz. vol. 199; p. 901.
- Automobile radiator-cap attachment. D. P. Shaner. No. 1,090,573; Mar. 17; Gaz. vol. 200; p. 744.
- Automobile radiator-support. R. H. White. No. 1,087,519; Feb. 17; Gaz. vol. 199; p. 770.
- Automobile-radiators. Water-cooling apparatus for. C. H. Tower. No. 1,116,169; Nov. 3; Gaz. vol. 208; p. 240.
- Automobile radius-bed. H. W. Alden. No. 1,101,673; June 30; Gaz. vol. 203; p. 1321.
- Automobile rear signal, Automatic. J. W. Stachnick. No. 1,106,982; Aug. 11; Gaz. vol. 205; p. 531.
- Automobile repair device. R. E. Carpenter. No. 1,100,865; June 23; Gaz. vol. 203; p. 990.
- Automobile repairer's support. J. H. Zimmerman. No. 1,104,395; July 21; Gaz. vol. 204; p. 842.
- Automobile rim and tire. J. B. Crawford. No. 1,121,483; Dec. 15; Gaz. vol. 209; p. 982.
- Automobile running-gear. H. W. Alden. No. 1,101,674; June 30; Gaz. vol. 203; p. 1322.
- Automobile running-gear. S. R. Bailey. No. 1,095,137; Apr. 28; Gaz. vol. 201; p. 1163.
- Automobile running-gear. F. Beaman. No. 1,095,183; May 5; Gaz. vol. 202; p. 3.
- Automobile safety appliance. F. W. Putnam. No. 1,098,355; May 26; Gaz. vol. 202; p. 1221.
- Automobile safety attachment. N. E. Polsen and H. R. Paulson. No. 1,112,551; Oct. 6; Gaz. vol. 207; p. 50.
- Automobile safety cranking device. A. J. Zlotorzynski. No. 1,107,007; Aug. 11; Gaz. vol. 205; p. 538.
- Automobile safety device. E. Favary. No. 1,087,485; Feb. 17; Gaz. vol. 199; p. 760.
- Automobile safety device. G. H. Holcomb. No. 1,115,939; Nov. 3; Gaz. vol. 208; p. 161.
- Automobile safety device. L. Ottinger. No. 1,086,846; Feb. 10; Gaz. vol. 199; p. 489.
- Automobile safety steering-equalizer. M. M. Mudd. No. 1,122,789; Dec. 29; Gaz. vol. 209; p. 1510.
- Automobile sanding device. C. L. Lincoln. No. 1,112,301; Sept. 29; Gaz. vol. 206; p. 1367.
- Automobile-seat. S. E. Brown. No. 1,083,797; Jan. 6; Gaz. vol. 198; p. 177.
- Automobile-seat. W. C. Durant. No. 1,116,041; Nov. 3; Gaz. vol. 208; p. 197.
- Automobile-seat. D. M. Engel. No. 1,087,003; Feb. 10; Gaz. vol. 199; p. 540.
- Automobile self-starter. P. T. Campbell. No. 1,101,833; June 30; Gaz. vol. 203; p. 1376.
- Automobile self-starter-control device. A. L. McMurtry. No. 1,087,454; Feb. 17; Gaz. vol. 199; p. 750.
- Automobile shield or guard. C. H. Goodhue. No. 1,118,760; Nov. 24; Gaz. vol. 208; p. 1267.
- Automobile sign-bracket. L. P. Whitchee. No. 1,091,553; Mar. 31; Gaz. vol. 200; p. 1150.
- Automobile-signal. G. W. Barringer. No. 1,118,525; Nov. 24; Gaz. vol. 208; p. 1188.
- Automobile-signal. E. J. Brewster. No. 1,121,790; Dec. 22; Gaz. vol. 209; p. 1125.
- Automobile-signal. R. G. Falconer. No. 1,112,278; Sept. 29; Gaz. vol. 206; p. 1361.
- Automobile-signal. J. Kertész. No. 1,117,398; Nov. 17; Gaz. vol. 208; p. 753.
- Automobile-signal. W. Krebs. No. 1,112,457; Oct. 6; Gaz. vol. 207; p. 15.
- Automobile-signal. C. W. Murphy. No. 1,085,287; Jan. 27; Gaz. vol. 198; p. 775.
- Automobile-signal. J. A. Ross. No. 1,111,615; Sept. 22; Gaz. vol. 206; p. 1094.
- Automobile-signal. W. I. Smith. No. 1,086,234; Feb. 3; Gaz. vol. 199; p. 230.
- Automobile-signal. C. S. Vaughn. No. 1,097,689; May 26; Gaz. vol. 202; p. 986.
- Automobile signal apparatus. M. C. Stamm. No. 1,096,571; May 12; Gaz. vol. 202; p. 511.
- Automobile signal device. R. D'Antonio. No. 1,106,179; Aug. 4; Gaz. vol. 205; p. 207.
- Automobile signal device. A. Winton and H. B. Anderson. No. 1,108,052; Aug. 18; Gaz. vol. 205; p. 955.
- Automobile signaling device. F. J. Erney. No. 1,105,637; Aug. 4; Gaz. vol. 205; p. 18.
- Automobile signaling-horn. J. Payne and J. E. Knapp. No. 1,119,533; Dec. 1; Gaz. vol. 209; p. 219.
- Automobile signaling mechanism. E. J. Meyer. No. 1,111,079; Sept. 22; Gaz. vol. 206; p. 910.
- Automobile sled. F. J. Lehtonen. No. 1,104,682; July 21; Gaz. vol. 204; p. 941.
- Automobile sled. J. and W. Sadus. No. 1,109,182; Sept. 1; Gaz. vol. 206; p. 116.
- Automobile sled. D. N. Tanner. No. 1,110,160; Sept. 8; Gaz. vol. 206; p. 505.
- Automobile sleigh. R. F. Goy. No. 1,084,207; Jan. 13; Gaz. vol. 198; p. 346.
- Automobile sleigh. W. J. Wright and R. H. Hocking. No. 1,084,997; Jan. 20; Gaz. vol. 198; p. 638.
- Automobile speed-controlling mechanism. T. W. Henderson. No. 1,112,137; Sept. 29; Gaz. vol. 206; p. 1310.
- Automobile speed-indicator. C. Gore. No. 1,091,059; Mar. 24; Gaz. vol. 200; p. 940.
- Automobile-spring. T. D. Allen. No. 1,108,310; Aug. 25; Gaz. vol. 205; p. 1094.
- Automobile-spring, Auxiliary. R. P. and W. H. Clark. No. 1,094,305; Apr. 21; Gaz. vol. 201; p. 814.
- Automobile-spring, Pneumatic. A. Mayerson. No. 1,094,372; Apr. 21; Gaz. vol. 201; p. 835.
- Automobile-starter. V. De Marais. No. 1,088,548; Feb. 24; Gaz. vol. 199; p. 1169.
- Automobile-starter. T. Hulett. No. 1,106,449; Aug. 11; Gaz. vol. 205; p. 343.
- Automobile-starter. H. H. Moseley. No. 1,092,739; Apr. 7; Gaz. vol. 201; p. 211.
- Automobile starting-crank. P. H. Breed. No. 1,098,878; June 2; Gaz. vol. 203; p. 177.
- Automobile starting-gear. P. C. Day. No. 1,098,344; May 26; Gaz. vol. 202; p. 1216.
- Automobile starting-mechanism-locking means. E. T. Hope. No. 1,083,613; Jan. 6; Gaz. vol. 198; p. 118.
- Automobile steering device. J. R. Junkin. No. 1,109,422; Sept. 1; Gaz. vol. 206; p. 201.
- Automobile steering-gear. W. A. Campbell. No. 1,084,844; Jan. 20; Gaz. vol. 198; p. 587.
- Automobile steering-gear. H. F. Lee. No. 1,119,086; Dec. 1; Gaz. vol. 209; p. 65.
- Automobile steering-gear. L. S. Richey. No. 1,099,768; June 9; Gaz. vol. 203; p. 522.
- Automobile steering-gear. E. S. Robinson. No. 1,092,745; Apr. 7; Gaz. vol. 201; p. 213.
- Automobile steering mechanism. H. T. Hazard. No. 1,111,693; Sept. 22; Gaz. vol. 206; p. 1122.
- Automobile steering mechanism. G. A. Ream. No. 1,112,031; Sept. 29; Gaz. vol. 206; p. 1274.
- Automobile steering-wheels. Warming device for. F. E. McCrory. No. 1,084,890; Jan. 20; Gaz. vol. 198; p. 602.
- Automobile structure. A. P. Brush. No. 1,091,911; Mar. 31; Gaz. vol. 200; p. 1275.
- Automobile-switch. H. W. Young and A. S. Pearl. No. 1,104,093; July 21; Gaz. vol. 204; p. 738.
- Automobile throttle-lock. S. L. Bennett. No. 1,095,139; Apr. 28; Gaz. vol. 201; p. 1163.
- Automobile-top. R. A. Coe. No. 1,106,784; Aug. 11; Gaz. vol. 205; p. 462.
- Automobile-top. W. E. Pugsley. No. 1,100,911; June 23; Gaz. vol. 203; p. 1007.
- Automobile-top and curtains therefor. S. P. Steen. No. 1,119,125; Dec. 1; Gaz. vol. 209; p. 78.
- Automobile top-raising device. J. C. Moe. No. 1,101,755; June 30; Gaz. vol. 203; p. 1348.
- Automobile top-supporting means. W. R. Donegan and J. J. Walsh. No. 1,119,412; Dec. 1; Gaz. vol. 209; p. 177.
- Automobile towing attachment. W. H. Stockwell. No. 1,106,746; Aug. 11; Gaz. vol. 205; p. 449.
- Automobile towing attachment. W. H. Stockwell. No. 1,116,751; Nov. 10; Gaz. vol. 208; p. 485.
- Automobile traction attachment. C. L. Paris and F. C. Ferrell. No. 1,108,221; Aug. 25; Gaz. vol. 205; p. 1062.
- Automobile transmission-gears. G. F. Grove. No. 1,092,211; Apr. 7; Gaz. vol. 201; p. 30.
- Automobile transmission mechanism. A. P. Brush. No. 1,095,186; May 5; Gaz. vol. 202; p. 4.
- Automobile transmission mechanism. C. B. King. No. 1,101,855; June 30; Gaz. vol. 203; p. 1384.
- Automobile truck-brake. E. Roblin. No. 1,103,540; July 14; Gaz. vol. 204; p. 543.
- Automobile turn-table. J. J. Grammes. No. 1,083,609; Jan. 6; Gaz. vol. 198; p. 117.
- Automobile-vehicle running-gear. C. F. Gros. No. 1,106,705; Aug. 11; Gaz. vol. 205; p. 435.
- Automobile-ventilator. E. W. Hulet and W. S. Eaton. No. 1,113,349; Oct. 13; Gaz. vol. 207; p. 369.
- Automobile washing device. H. T. Ford. No. 1,096,704; May 12; Gaz. vol. 202; p. 555.

Alphabetical list of inventions—Continued.

- Automobile water-heating appliance. A. Matthews and A. Miller. No. 1,121,741; Dec. 22; Gaz. vol. 209; p. 1108.
- Automobile-wheel. E. K. Baker. No. 1,095,776; May 5; Gaz. vol. 202; p. 206.
- Automobile-wheel. E. K. Baker. No. 1,095,779; May 5; Gaz. vol. 202; p. 207.
- Automobile-wheel. E. K. Baker. No. 1,095,953; May 5; Gaz. vol. 202; p. 264.
- Automobile-wheel. E. G. Glaser. No. 1,084,144; Jan. 13; Gaz. vol. 198; p. 324.
- Automobile-wheel. H. Hill. No. 1,093,413; Apr. 14; Gaz. vol. 201; p. 477.
- Automobile-wheel. J. Laus, Jr. No. 1,118,785; Nov. 24; Gaz. vol. 208; p. 1276.
- Automobile-wheel. A. M. and F. M. Lewis. No. 1,117,135; Nov. 10; Gaz. vol. 208; p. 620.
- Automobile-wheel. S. Sally. No. 1,113,837; Oct. 13; Gaz. vol. 207; p. 541.
- Automobile-wheel. B. B. Stapleton. No. 1,089,445; Mar. 10; Gaz. vol. 200; p. 311.
- Automobile, &c., wheel. R. E. L. Crosby. No. 1,093,115; Apr. 14; Gaz. vol. 201; p. 375.
- Automobile wheel-block. J. C. Zoll. No. 1,088,051; Feb. 24; Gaz. vol. 199; p. 1003.
- Automobile wheel-controlling means. W. F. Mitchell and E. E. Henry. No. 1,104,534; July 21; Gaz. vol. 204; p. 892.
- Automobile wheel hub and spindle. T. J. Lindsay. No. 1,107,330; Aug. 18; Gaz. vol. 205; p. 701.
- Automobile wheel-jack. H. G. Metzger. No. 1,095,343; May 5; Gaz. vol. 202; p. 58.
- Automobile-wheels. Separable rim for. W. M. Wirth. No. 1,094,509; Apr. 28; Gaz. vol. 201; p. 944.
- Automobile-wheels. Shoe attachment for. J. W. Marston, Jr. No. 1,083,886; Jan. 6; Gaz. vol. 198; p. 203.
- Automobile wind-guard. S. Brown. No. 1,121,548; Dec. 15; Gaz. vol. 209; p. 1005.
- Automobile wind-shield. C. H. Townsend. No. 1,110,729; Sept. 15; Gaz. vol. 206; p. 745.
- Automobile wind-shield cleaner. E. M. Ledlow. No. 1,097,449; May 19; Gaz. vol. 202; p. 859.
- Automobile wrecking apparatus. C. H. Brewster. No. 1,108,690; Aug. 25; Gaz. vol. 205; p. 1224.
- Automobiles. Adjustable light-shield for. J. F. Becker. No. 1,106,485; Aug. 11; Gaz. vol. 205; p. 357.
- Automobiles and like vehicles. Folding hood for. W. Van den Plas. No. 1,096,652; May 12; Gaz. vol. 202; p. 539.
- Automobiles and the like. Foot-operated control device for. J. A. Staples. No. 1,110,970; Sept. 15; Gaz. vol. 206; p. 829.
- Automobiles and the like out of mud-puddles, &c., Device for pulling. C. M. G. Delano. No. 1,096,606; May 12; Gaz. vol. 202; p. 523.
- Automobiles and the like. Spring suspension for. F. Greinir. No. 1,101,432; June 23; Gaz. vol. 203; p. 1186.
- Automobiles. Automatic air-supply system for. W. C. Bakels. No. 1,111,556; Sept. 22; Gaz. vol. 206; p. 1073.
- Automobiles. Bow-rest for. M. J. Molitor and M. Britz. No. 1,090,329; Mar. 17; Gaz. vol. 200; p. 658.
- Automobiles. Chain transmission mechanism for. W. J. Belcher. No. 1,113,296; Oct. 13; Gaz. vol. 207; p. 351.
- Automobiles. Changing-gearing for. M. Fischer. No. 1,085,677; Feb. 3; Gaz. vol. 199; p. 35.
- Automobiles. Combination electrical switch for. G. E. Mueller. No. 1,119,527; Dec. 1; Gaz. vol. 209; p. 217.
- Automobiles. Combination locking device for transmissions of. D. W. Wilt. No. 1,118,253; Nov. 24; Gaz. vol. 208; p. 1090.
- Automobiles. Construction for taking power from. R. L. Morgan. No. 1,118,874; Nov. 24; Gaz. vol. 208; p. 1306.
- Automobiles. Convertible luncheon-case and table for. W. Schweitzer. No. 1,121,672; Dec. 22; Gaz. vol. 209; p. 1084.
- Automobiles. Convertible seat for. R. E. L. Morton. No. 1,095,660; May 5; Gaz. vol. 202; p. 166.
- Automobiles. Detachable emergency traction-shoe for. R. C. McCreery. No. 1,114,164; Oct. 20; Gaz. vol. 207; p. 694.
- Automobiles. Differential gearing for. W. F. Muehl. No. 1,090,082; Mar. 10; Gaz. vol. 200; p. 530.
- Automobiles. Direction-indicating apparatus for. C. H. Borden. No. 1,114,676; Oct. 20; Gaz. vol. 207; p. 874.
- Automobiles. Direction-indicator for. V. and O. S. Gilsey. No. 1,122,100; Dec. 22; Gaz. vol. 209; p. 1235.
- Automobiles. Electric signal for. L. E. Landes. No. 1,086,600; Feb. 10; Gaz. vol. 199; p. 402.
- Automobiles. Electric system for. E. A. Halbleib. No. 1,116,883; Nov. 10; Gaz. vol. 208; p. 533.
- Automobiles. Flexible suspension-wheel for. O. Allen. No. 1,087,626; Feb. 17; Gaz. vol. 199; p. 809.
- Automobiles. Folding storm-door curtain for. E. F. Neal. No. 1,091,380; Mar. 24; Gaz. vol. 200; p. 1047.
- Automobiles. Foot control device for. J. A. Staples. No. 1,103,095; July 14; Gaz. vol. 204; p. 349.
- Automobiles. Foot-operated control device for. J. A. Staples. No. 1,103,094; July 14; Gaz. vol. 204; p. 349.
- Automobiles. Friction-drive mechanism for. G. Dumont. No. 1,096,803; May 12; Gaz. vol. 202; p. 590.
- Automobiles. Fuel-supply system for. A. Winton. No. 1,095,763; May 5; Gaz. vol. 202; p. 202.
- Automobiles. Illuminated sign for. G. H. Ricke. No. 1,091,893; Mar. 31; Gaz. vol. 200; p. 1269.
- Automobiles. Interchange-speed-gear mechanism for. E. R. Evans. No. 1,117,013; Nov. 10; Gaz. vol. 208; p. 578.
- Automobiles. Knockdown table for. G. R. Thiss. No. 1,104,018; July 21; Gaz. vol. 204; p. 711.
- Automobiles. Locking-chain for. W. J. Reynolds. No. 1,105,925; Aug. 4; Gaz. vol. 205; p. 119.
- Automobiles. Mechanically-operated gear-changing mechanism for. D. C. Lewis. No. 1,092,922; Apr. 14; Gaz. vol. 201; p. 809.
- Automobiles. Mirror attachment for. C. A. Weed. No. 1,114,559; Oct. 20; Gaz. vol. 207; p. 836.
- Automobiles. Muller for. J. Caron. No. 1,092,017; Mar. 31; Gaz. vol. 200; p. 1308.
- Automobiles. Power-train mounting for. H. C. Marmon. No. 1,103,524; July 14; Gaz. vol. 204; p. 497.
- Automobiles. Rim and tire holder for. F. C. Miller. No. 1,094,084; Apr. 21; Gaz. vol. 201; p. 741.
- Automobiles. Rim and tire holder for. F. C. Miller. No. 1,094,086; Apr. 21; Gaz. vol. 201; p. 742.
- Automobiles. Rim for steering-wheels of. B. Kormendy. No. 1,088,999; Mar. 3; Gaz. vol. 200; p. 112.
- Automobiles. Sand-climbing attachment for. W. R. Olmstead and W. E. Orr. No. 1,117,139; Nov. 10; Gaz. vol. 208; p. 622.
- Automobiles. Sleigh attachment for. C. D. Harris. No. 1,114,259; Oct. 20; Gaz. vol. 207; p. 730.
- Automobiles. Stethoscope for. A. De Clairmont. No. 1,107,212; Aug. 11; Gaz. vol. 205; p. 611.
- Automobiles, &c., Tire-holder for. F. C. Miller. No. 1,094,085; Apr. 21; Gaz. vol. 201; p. 742.
- Automobiles. Transmission-gearing for. D. M. Hunt. No. 1,091,342; Mar. 24; Gaz. vol. 200; p. 1034.
- Automobiles. Transmission-shaft for. W. E. Trufant. No. 1,084,912; Jan. 20; Gaz. vol. 198; p. 609.
- Automobiles. Weather-strip for wind-shields of. A. L. McCormick. No. 1,107,819; Aug. 18; Gaz. vol. 205; p. 874.
- Autopiano and analogous musical instrument. C. E. Lyon. No. 1,105,673; Aug. 4; Gaz. vol. 205; p. 30.
- Autoplow. W. Clow. No. 1,088,403; Feb. 24; Gaz. vol. 199; p. 1122.
- Autoplow. W. Clow. No. 1,088,404; Feb. 24; Gaz. vol. 199; p. 1123.
- Autoplow. D. S. Grose. No. 1,115,666; Nov. 3; Gaz. vol. 208; p. 69.
- Autosled. M. Weidner. No. 1,083,312; Jan. 6; Gaz. vol. 198; p. 19.
- Autosleigh mechanism. Propeller for. J. S. Thomson. No. 1,105,940; Aug. 4; Gaz. vol. 205; p. 124.
- Autotractor. C. L. Best. No. 1,084,062; Jan. 13; Gaz. vol. 198; p. 296.
- Autotractor. H. T. Preble. No. 1,097,044; May 19; Gaz. vol. 202; p. 718.
- Autovehicle driving mechanism. A. R. Bullock. No. 1,094,055; Apr. 21; Gaz. vol. 201; p. 732.
- Autovehicle signal apparatus. E. A. Tappe. No. 1,104,281; July 21; Gaz. vol. 204; p. 802.
- Autovehicles. Power system for. R. Varley and W. W. Macfarren. No. 1,110,086; Sept. 8; Gaz. vol. 206; p. 476.
- Autovehicles. Runner attachment for. C. A. Wiberg. No. 1,084,187; Jan. 13; Gaz. vol. 198; p. 339.
- Auxiliary coupling. S. H. Boltz. No. 1,085,532; Jan. 27; Gaz. vol. 198; p. 856.
- Auxiliary heater. L. N. Gilman. No. 1,118,196; Nov. 24; Gaz. vol. 208; p. 1071.
- Auxiliary spring. P. F. Hellerstedt. No. 1,107,067; Aug. 11; Gaz. vol. 205; p. 559.
- Aviation apparatus. J. F. Cooley. No. 1,084,198; Jan. 13; Gaz. vol. 198; p. 343.
- Aviator's protecting-garment. R. Kockrow. No. 1,104,808; July 28; Gaz. vol. 204; p. 1034.
- Aviators. Pneumatic suit for. N. Lacrotte. No. 1,105,569; July 28; Gaz. vol. 204; p. 1300.
- Aviators. Saving apparatus for. C. G. E. Trumelet-Faber. No. 1,105,049; July 28; Gaz. vol. 204; p. 1117.
- Awl. Butcher's skewering. W. J. Horn. No. 1,092,529; Apr. 7; Gaz. vol. 201; p. 140.
- Awning. J. M. Ahrano. No. 1,115,368; Oct. 27; Gaz. vol. 207; p. 1171.
- Awning. J. N. Clarke. No. 1,095,452; May 5; Gaz. vol. 202; p. 95.
- Awning. H. L. Fetzer. No. 1,117,362; Nov. 17; Gaz. vol. 208; p. 740.
- Awning. B. Frank. No. 1,114,599; Oct. 20; Gaz. vol. 207; p. 848.
- Awning. P. P. Hopp. No. 1,119,161; Dec. 1; Gaz. vol. 209; p. 91.
- Awning. J. F. Lockwood. No. 1,092,496; Apr. 7; Gaz. vol. 201; p. 130.
- Awning. H. Werwath. No. 1,114,952; Oct. 27; Gaz. vol. 207; p. 1026.
- Awning-arm. F. A. Anton. No. 1,118,463; Nov. 24; Gaz. vol. 208; p. 1166.
- Awning-fixture. P. L. Franz. No. 1,095,201; May 5; Gaz. vol. 202; p. 10.
- Awning-fixture. F. A. O'Neal. No. 1,094,465; Apr. 28; Gaz. vol. 201; p. 929.

Alphabetical list of inventions—Continued.

- Awning for windows. A. F. Smith. No. 1,104,452; July 21; Gaz. vol. 204; p. 861.
- Awning-frame and hinges therefor. J. C. Ela. No. 1,102,251; July 7; Gaz. vol. 204; p. 10.
- Awning-rollers, Center support for. W. K. Jacobs. No. 1,111,590; Sept. 22; Gaz. vol. 206; p. 1086.
- Awning-ventilator. D. R. McGinnis. No. 1,103,980; July 21; Gaz. vol. 204; p. 699.
- Awnings, Head-rod construction for. H. I. Brockie. No. 1,113,749; Oct. 13; Gaz. vol. 207; p. 510.
- Ax and pick, Prospector's. W. E. Seelye. No. 1,088,938; Mar. 3; Gaz. vol. 200; p. 91.
- Axle. H. W. Alden. No. 1,108,114; Aug. 25; Gaz. vol. 205; p. 1025.
- Axle and cap-strip uniting means. A. H. Wood and O. A. Frick. No. 1,096,281; May 12; Gaz. vol. 202; p. 414.
- Axle, Ball-bearing. A. L. Paschall. No. 1,105,451; July 28; Gaz. vol. 204; p. 1260.
- Axle-bearing-lubricating device. H. Poetter. No. 1,104,002; July 21; Gaz. vol. 204; p. 705.
- Axle-box. W. S. Hodges. No. 1,114,474; Oct. 20; Gaz. vol. 207; p. 807.
- Axle-box. I. Szot-Czeten. No. 1,107,867; Aug. 18; Gaz. vol. 205; p. 891.
- Axle-box and dust-guard. J. D. Jones. (Reissue.) No. 1,376,2; June 30; Gaz. vol. 203; p. 1521.
- Axle box and lid, Car-. W. C. Reed. No. 1,095,737; May 5; Gaz. vol. 202; p. 193.
- Axle-box and other bearing. J. B. Beadman and H. J. Macklin. No. 1,084,191; Jan. 13; Gaz. vol. 198; p. 341.
- Axle box, Car-. W. E. Glover. No. 1,102,042; June 30; Gaz. vol. 203; p. 1452.
- Axle box, Car-. E. L. Sharpneck. No. 1,100,402; June 16; Gaz. vol. 203; p. 780.
- Axle, Car-. W. Randall. No. 1,109,464; Sept. 1; Gaz. vol. 206; p. 214.
- Axle construction. O. Kuepfer. No. 1,090,311; Mar. 17; Gaz. vol. 200; p. 652.
- Axle coupling, Front-. J. W. Titus. No. 1,106,751; Aug. 11; Gaz. vol. 205; p. 451.
- Axle, Cushioned vehicle-. E. W. Davis. No. 1,113,202; Oct. 13; Gaz. vol. 207; p. 316.
- Axle, Cushioned vehicle-. E. W. Davis. No. 1,113,545; Oct. 13; Gaz. vol. 207; p. 440.
- Axle, Driving-. T. J. Lindsay. No. 1,092,494; Apr. 7; Gaz. vol. 201; p. 129.
- Axle, Driving-. T. J. Lindsay. No. 1,097,653; May 26; Gaz. vol. 202; p. 973.
- Axle, Emergency-. C. P. Snyder. No. 1,094,486; Apr. 28; Gaz. vol. 201; p. 936.
- Axle for automobiles and trucks, Driving-. C. R. Piggins. No. 1,117,700; Nov. 17; Gaz. vol. 208; p. 860.
- Axle for motor-vehicles, Rear. T. I. Duffy. No. 1,104,174; July 21; Gaz. vol. 204; p. 766.
- Axle for plows, planters, and the like, Adjustable. W. F. Dalley and D. A. Trevey. No. 1,097,791; May 26; Gaz. vol. 202; p. 1024.
- Axle for trolley-wheels, Lubricating-. J. W. Anderson. No. 1,104,952; July 28; Gaz. vol. 204; p. 1084.
- Axle-gage, Automobile. M. W. Link. No. 1,114,374; Oct. 20; Gaz. vol. 207; p. 769.
- Axle-generator support. P. L. Pflager. No. 1,112,831; Oct. 6; Gaz. vol. 207; p. 147.
- Axle-housings, Forming. C. J. Mogan and R. E. Brock. No. 1,091,751; Mar. 31; Gaz. vol. 200; p. 1218.
- Axle, Jury-. F. H. Sprung. No. 1,089,282; Mar. 3; Gaz. vol. 200; p. 208.
- Axle-lubricator. A. G. Elvin and J. L. Mohun. No. 1,096,161; May 12; Gaz. vol. 202; p. 372.
- Axle, Motor-car. C. F. Robinson. No. 1,107,448; Aug. 18; Gaz. vol. 205; p. 744.
- Axle, Motor-vehicle. H. P. Maxim. No. 1,097,866; May 26; Gaz. vol. 202; p. 1049.
- Axle-spindle. A. J. Hall. No. 1,086,166; Feb. 3; Gaz. vol. 199; p. 209.
- Axle-spindle lubricator. J. Olsen. No. 1,118,674; Nov. 24; Gaz. vol. 208; p. 1240.
- Axle straightener. A. J. Tils. No. 1,095,299; May 5; Gaz. vol. 202; p. 44.
- Axle structure, Rear-. E. P. Cowles. No. 1,108,889; Sept. 1; Gaz. vol. 206; p. 9.
- Axle-truck of railway and tramway vehicles. T. W. Barber. No. 1,093,755; Apr. 21; Gaz. vol. 201; p. 631.
- Axle truss, Rear-. H. H. Sunvold. No. 1,108,812; Aug. 25; Gaz. vol. 205; p. 1265.
- Axle, Trussed. F. A. Groves. No. 1,120,933; Dec. 15; Gaz. vol. 209; p. 792.
- Axle, Vehicle-. A. R. Hartmann. No. 1,105,513; July 28; Gaz. vol. 204; p. 1281.
- Axle with a pair of wheels in wagon-axle boxes. A. Leonhardt and L. Bönninger. No. 1,116,451; Nov. 10; Gaz. vol. 208; p. 376.
- Axles, Making hollow. C. M. Wales. No. 1,104,088; July 21; Gaz. vol. 204; p. 736.
- Axles, Wheel-connector for tubular. W. D. Stockly. No. 1,108,809; Aug. 25; Gaz. vol. 205; p. 1264.
- Babbitting apparatus. C. M. Kuhn. No. 1,115,687; Nov. 3; Gaz. vol. 208; p. 76.
- Baby chair and cart, Combined. L. Zumino. No. 1,117,952; Nov. 17; Gaz. vol. 208; p. 946.
- Baby-jumper. F. M. Blain. No. 1,104,609; July 21; Gaz. vol. 204; p. 916.
- Back-band and trace holder. P. G. Giddens. No. 1,097,219; May 19; Gaz. vol. 202; p. 780.
- Back-band attachment. Z. R. Hall. No. 1,090,146; Mar. 17; Gaz. vol. 200; p. 594.
- Back-band hook. D. C. Leigh. No. 1,119,844; Dec. 8; Gaz. vol. 209; p. 360.
- Back-band hook. N. H. Williamson. No. 1,105,945; Aug. 4; Gaz. vol. 205; p. 126.
- Back-brace. G. W. Gibson. No. 1,098,492; June 2; Gaz. vol. 203; p. 47.
- Back-pad. J. Ulrich. No. 1,088,382; Feb. 24; Gaz. vol. 199; p. 1115.
- Back-pad tree. T. Seyb. No. 1,097,992; May 26; Gaz. vol. 202; p. 1096.
- Back-rest. J. Reich. No. 1,098,126; May 26; Gaz. vol. 202; p. 1141.
- Back-rest, rear seat, and luggage-carrier, Combination. C. L. Burkett and G. Miller. No. 1,121,580; Dec. 15; Gaz. vol. 209; p. 1016.
- Backing off hobs or cutters for cutting gears, Machine for. C. J. Halborg. No. 1,092,571; Apr. 7; Gaz. vol. 201; p. 154.
- Backwater-trap and floor-drain, Combined. W. S. Walling. No. 1,119,909; Dec. 8; Gaz. vol. 209; p. 382.
- Bacteria, Means for distributing soil. G. H. Earp-Thomas. No. 1,099,121; June 2; Gaz. vol. 203; p. 255.
- Badge-box. H. O. Mix. No. 1,103,810; July 14; Gaz. vol. 204; p. 600.
- Bag: See Caddy-bag; Candy-bag; Cotton-picker's bag; Feed-bag; Fruit-picker's bag; Garment-bag; Golf-bag; Hand-bag; Impervious bag; Mail-bag; Mothproof bag; Nose-bag; Paper bag; Picker's and packer's bag; Polo-bag; Striking-bag; Valve-bag; Water-bag; Work-bag.
- Bag. J. Flax. No. 1,121,343; Dec. 15; Gaz. vol. 209; p. 934.
- Bag. C. C. Miller. No. 1,102,426; July 7; Gaz. vol. 204; p. 73.
- Bag. W. J. Moeller. No. 1,104,308; July 21; Gaz. vol. 204; p. 810.
- Bag and bag-frame therefor. O. Greenbaum. No. 1,114,607; Oct. 20; Gaz. vol. 207; p. 850.
- Bag and similar fastener. O. Lorenz and H. Weide. No. 1,118,028; Nov. 24; Gaz. vol. 208; p. 1013.
- Bag-body with integral corner-pieces. A. Kaufman. No. 1,119,517; Dec. 1; Gaz. vol. 209; p. 213.
- Bag-bundling machine. C. A. Phillips and F. C. Sherwood. No. 1,109,781; Sept. 8; Gaz. vol. 206; p. 367.
- Bag cleaning and turning means. W. H. Herbst. No. 1,104,668; July 21; Gaz. vol. 204; p. 937.
- Bag-cleaning apparatus. W. E. Playter. No. 1,118,044; Nov. 24; Gaz. vol. 208; p. 1019.
- Bag-closure. O. L. Stuart. No. 1,114,934; Oct. 27; Gaz. vol. 207; p. 1020.
- Bag-deflector. E. P. Kendall. No. 1,112,914; Oct. 6; Gaz. vol. 207; p. 175.
- Bag-fastener. F. R. Clarke. No. 1,103,264; July 14; Gaz. vol. 204; p. 411.
- Bag-fastener. F. A. Fuller. No. 1,113,978; Oct. 20; Gaz. vol. 207; p. 628.
- Bag-fastener. E. C. Shaver. No. 1,092,955; Apr. 14; Gaz. vol. 201; p. 320.
- Bag-feeding mechanism. G. W. Gwinn. No. 1,101,492; June 23; Gaz. vol. 203; p. 1208.
- Bag filling and tying machine. C. Heinzen. No. 1,084,799; Jan. 20; Gaz. vol. 198; p. 572.
- Bag-frame. M. Cohen. No. 1,114,449; Oct. 20; Gaz. vol. 207; p. 797.
- Bag-frame. F. A. Fuller. No. 1,083,359; Jan. 6; Gaz. vol. 198; p. 33.
- Bag-frame. F. A. Fuller. No. 1,113,979; Oct. 20; Gaz. vol. 207; p. 629.
- Bag-frame and hinge. J. S. Isidor. No. 1,085,129; Jan. 27; Gaz. vol. 198; p. 719.
- Bag-frame fastener. J. S. Isidor. No. 1,099,444; June 9; Gaz. vol. 203; p. 412.
- Bag-frame fastener. W. C. Rath. No. 1,104,707; July 21; Gaz. vol. 204; p. 949.
- Bag-frame fastener. J. Ritter. No. 1,102,437; July 7; Gaz. vol. 204; p. 76.
- Bag-frame fastener. H. Tueckmantel. No. 1,104,455; July 21; Gaz. vol. 204; p. 862.
- Bag-frame safety-catch. B. vom Eigen. No. 1,108,430; Aug. 25; Gaz. vol. 205; p. 1134.
- Bag-handle. C. Gluckman. No. 1,101,273; June 23; Gaz. vol. 203; p. 1132.
- Bag-handle attachment. B. L. Howes. No. 1,096,429; May 12; Gaz. vol. 202; p. 464.
- Bag-holder. B. F. Barnes. No. 1,113,287; Oct. 13; Gaz. vol. 207; p. 348.
- Bag-holder. R. K. Milks. No. 1,121,388; Dec. 15; Gaz. vol. 209; p. 949.
- Bag-holder. K. V. Minehart. No. 1,121,525; Dec. 15; Gaz. vol. 209; p. 996.
- Bag-holder. A. Mink. No. 1,090,404; Mar. 17; Gaz. vol. 200; p. 685.
- Bag-holder. I. F. Reed. No. 1,086,218; Feb. 3; Gaz. vol. 199; p. 225.
- Bag-holder. I. L. Van Scholack. No. 1,110,018; Sept. 8; Gaz. vol. 206; p. 452.

Alphabetical list of inventions—Continued.

- Bag-holder. C. H. Woodward and J. W. Doane. No. 1,106,483; Aug. 11; Gaz. vol. 205; p. 356.
- Bag-holder. C. M. Young. No. 1,083,786; Jan. 6; Gaz. vol. 198; p. 173.
- Bag-holder. G. Yount. No. 1,097,701; May 26; Gaz. vol. 202; p. 991.
- Bag holder, Feed-. R. H. Graham. No. 1,105,972; Aug. 4; Gaz. vol. 205; p. 136.
- Bag holder, Feed-. A. L. Rumrill. No. 1,092,863; Apr. 14; Gaz. vol. 201; p. 289.
- Bag-holder, Portable. J. Cupples. No. 1,107,590; Aug. 18; Gaz. vol. 205; p. 794.
- Bag holding and filling device. J. B. Simmons and F. W. Boyer. No. 1,088,633; Feb. 24; Gaz. vol. 199; p. 1197.
- Bag-holding device. A. D. McPherson. No. 1,118,669; Nov. 24; Gaz. vol. 208; p. 1238.
- Bag-lock. N. E. Hooker. No. 1,083,612; Jan. 6; Gaz. vol. 198; p. 118.
- Bag lock, Hand-. J. Partmann. No. 1,113,821; Oct. 13; Gaz. vol. 207; p. 536.
- Bag-opening machine. J. Henderson and E. R. Tietz. No. 1,111,899; Sept. 29; Gaz. vol. 206; p. 1233.
- Bag stiffener, Traveling-. P. Ruehlmann. No. 1,092,541; Apr. 7; Gaz. vol. 201; p. 144.
- Bag-support. P. T. Stewart. No. 1,086,002; Feb. 3; Gaz. vol. 199; p. 151.
- Bag-tie. F. Carlson. No. 1,091,288; Mar. 24; Gaz. vol. 200; p. 1018.
- Bag-tie fastener. J. H. Kirkland. No. 1,094,577; Apr. 28; Gaz. vol. 201; p. 967.
- Bag-tying machine. F. E. Beam. No. 1,119,223; Dec. 1; Gaz. vol. 209; p. 112.
- Bag-tying machine. H. A. Klemm. No. 1,084,549; Jan. 13; Gaz. vol. 198; p. 456.
- Bag-tying machine. H. A. Klemm. No. 1,084,550; Jan. 13; Gaz. vol. 198; p. 456.
- Bag-tying mechanism. J. H. Ramsey. No. 1,116,736; Nov. 10; Gaz. vol. 208; p. 480.
- Bags and the like, Fastener for hand-. K. Oswald. No. 1,102,541; July 7; Gaz. vol. 204; p. 112.
- Bags or containers, Apparatus for making. W. Rose. No. 1,099,130; June 2; Gaz. vol. 203; p. 258.
- Bags or containers with tea, tobacco, and other like substances, Apparatus for filling. W. Rose. No. 1,114,529; Oct. 20; Gaz. vol. 207; p. 826.
- Bags or pockets, Apparatus for making. W. E. Molins. No. 1,091,235; Mar. 24; Gaz. vol. 200; p. 1002.
- Bags, pocket-books, purses, muffs, &c., Safety device for ladies' hand-. C. D. McVay. No. 1,119,852; Dec. 8; Gaz. vol. 209; p. 362.
- Bags, Tree device for traveling-. E. W. Bryson. No. 1,085,846; Feb. 3; Gaz. vol. 199; p. 95.
- Bagging-machine. F. L. Furbush. No. 1,119,421; Dec. 1; Gaz. vol. 209; p. 180.
- Bagging-stretcher. W. R. Davis. No. 1,102,391; July 7; Gaz. vol. 204; p. 59.
- Baggage-carrier. W. Marquette. No. 1,095,339; May 5; Gaz. vol. 202; p. 57.
- Baggage-measuring device. B. B. Betts. No. 1,119,058; Dec. 1; Gaz. vol. 209; p. 57.
- Bait, Artificial. E. L. Evans. No. 1,089,915; Mar. 10; Gaz. vol. 200; p. 474.
- Bait, Artificial. S. O. Larrabee. No. 1,099,606; June 9; Gaz. vol. 203; p. 467.
- Bait, Artificial. E. J. and E. M. Lockhart. No. 1,113,360; Oct. 13; Gaz. vol. 207; p. 374.
- Bait, Artificial. E. J. and E. M. Lockhart. No. 1,113,361; Oct. 13; Gaz. vol. 207; p. 374.
- Bait, Artificial. E. J. Maus. No. 1,109,439; Sept. 1; Gaz. vol. 206; p. 207.
- Bait, Artificial. W. F. McBride. No. 1,110,956; Sept. 15; Gaz. vol. 206; p. 824.
- Bait, Artificial. C. W. Stewart. No. 1,088,475; Feb. 24; Gaz. vol. 199; p. 1145.
- Bait, Artificial. H. S. Welles. No. 1,101,223; June 23; Gaz. vol. 203; p. 1116.
- Bait, Artificial. F. R. Wilber and H. E. Ball. No. 1,086,256; Feb. 3; Gaz. vol. 199; p. 238.
- Bait, Artificial. R. T. Wilson. No. 1,084,517; Jan. 13; Gaz. vol. 198; p. 445.
- Bait, Artificial. A. Winnie. No. 1,102,312; July 7; Gaz. vol. 204; p. 32.
- Bait, Artificial fish-. R. A. Lambert. (Reissue.) No. 1,3828; Nov. 17; Gaz. vol. 208; p. 952.
- Bait, Artificial fish-. L. Scholl, Jr. No. 1,102,089; June 30; Gaz. vol. 203; p. 1468.
- Bait, Fishing-. J. L. Donaly. No. 1,093,980; Apr. 21; Gaz. vol. 201; p. 706.
- Bait, Fishing-. W. Selig. No. 1,115,743; Nov. 3; Gaz. vol. 208; p. 94.
- Bait-holder. C. W. Lane. No. 1,114,698; Oct. 20; Gaz. vol. 207; p. 881.
- Bait holder, Fish-. B. G. Pfeiffer. No. 1,089,074; Mar. 3; Gaz. vol. 200; p. 136.
- Bait-holder for trolling outfits. M. Rosenberg. No. 1,095,288; May 5; Gaz. vol. 202; p. 39.
- Bait or lure, Fish. C. Heddon. No. 1,114,137; Oct. 20; Gaz. vol. 207; p. 685.
- Bait retainer, Live-. R. A. Anschutz. No. 1,105,172; July 28; Gaz. vol. 204; p. 1159.
- Baker's peel. A. Potolsky. No. 1,116,729; Nov. 10; Gaz. vol. 208; p. 478.
- Baker's peel. A. Potolsky. No. 1,121,662; Dec. 22; Gaz. vol. 209; p. 1081.
- Baker's utensil. E. E. Brodhead. No. 1,112,764; Oct. 6; Gaz. vol. 207; p. 125.
- Baking apparatus. J. Ciampaglia. No. 1,108,701; Aug. 25; Gaz. vol. 205; p. 1227.
- Baking apparatus. O. C. Nuubson. (Reissue.) No. 13,808; Oct. 13; Gaz. vol. 207; p. 579.
- Baking machine, Batter-. W. W. Turnbull and C. R. Taylor. No. 1,117,929; Nov. 17; Gaz. vol. 208; p. 937.
- Baking machine, Pastry-. J. P. Groset. No. 1,122,913; Dec. 29; Gaz. vol. 209; p. 1555.
- Baking machine, Pastry-. C. Stupian. No. 1,119,548; Dec. 1; Gaz. vol. 209; p. 224.
- Baking machinery. S. G. Bonaparte. No. 1,115,384; Oct. 27; Gaz. vol. 207; p. 1176.
- Baking method and apparatus. S. E. Winder. No. 1,097,576; May 19; Gaz. vol. 202; p. 901.
- Baking-pan. D. W. Beger. No. 1,105,178; July 28; Gaz. vol. 204; p. 1161.
- Baking-pan. A. Cohn. No. 1,084,790; Jan. 20; Gaz. vol. 198; p. 569.
- Baking pastry cones, Machine for. S. E. Winder. No. 1,119,918; Dec. 8; Gaz. vol. 209; p. 386.
- Baking preparation. R. A. Holbrook. No. 1,113,632; Oct. 13; Gaz. vol. 207; p. 468.
- Baking-ring, Adjustable. D. Busch. No. 1,110,882; Sept. 15; Gaz. vol. 206; p. 800.
- Baking utensil. G. C. Gumm. No. 1,106,042; Aug. 4; Gaz. vol. 205; p. 160.
- Balance. W. Heusser. No. 1,103,513; July 14; Gaz. vol. 204; p. 493.
- Balance. W. Heusser. No. 1,104,892; July 28; Gaz. vol. 204; p. 1063.
- Balance-detector. E. Johnson. No. 1,087,772; Feb. 17; Gaz. vol. 199; p. 859.
- Balance, Hydraulic. O. B. Goldman. No. 1,095,394; May 5; Gaz. vol. 202; p. 75.
- Balance or radiometer, Thermic. R. D. Parker. No. 1,099,199; June 9; Gaz. vol. 203; p. 327.
- Balance, Safety-. M. G. Houghton. No. 1,088,991; Mar. 3; Gaz. vol. 200; p. 109.
- Balance sheet, Ready-. E. B. High. No. 1,089,764; Mar. 10; Gaz. vol. 200; p. 422.
- Balance-spring having elasticity increasing with a rise in temperature. C. E. Guillaume. No. 1,106,206; Aug. 4; Gaz. vol. 205; p. 216.
- Balance-spring having elasticity increasing with rise in temperature. C. S. Guillaume. No. 1,106,207; Aug. 4; Gaz. vol. 205; p. 217.
- Balances and the like, Base for assay-. W. Heusser. No. 1,104,891; July 28; Gaz. vol. 204; p. 1063.
- Balances, Calculator for. A. Boyer and P. L. M. Codeau. No. 1,094,638; Apr. 28; Gaz. vol. 201; p. 990.
- Balancing and steering device. W. R. Jones. No. 1,102,515; July 7; Gaz. vol. 204; p. 102.
- Balancing-machine. J. Riddell. No. 1,091,708; Mar. 31; Gaz. vol. 200; p. 1203.
- Balancing mechanism, Automatic. A. B. Landis. No. 1,091,851; Mar. 31; Gaz. vol. 200; p. 1255.
- Bale-band tie. I. M. Thompson. No. 1,095,946; May 5; Gaz. vol. 202; p. 262.
- Bale-conveyer. H. C. Burkle. No. 1,093,531; Apr. 14; Gaz. vol. 201; p. 513.
- Bale-hook. J. and S. Faix. No. 1,111,370; Sept. 22; Gaz. vol. 206; p. 1010.
- Bale-tie. F. H. McFarland. No. 1,099,460; June 9; Gaz. vol. 203; p. 417.
- Bale-tie. T. S. Pearson and T. M. Conner. No. 1,085,938; Feb. 3; Gaz. vol. 199; p. 128.
- Bale-tie. A. T. Weaver. No. 1,109,720; Sept. 8; Gaz. vol. 206; p. 347.
- Bale-tie. A. T. Weaver. No. 1,109,721; Sept. 8; Gaz. vol. 206; p. 347.
- Bale-tie. D. J. Winn. No. 1,095,482; May 5; Gaz. vol. 202; p. 107.
- Bale-tie antibuckler, Cotton-. L. E. Meador. No. 1,087,032; Feb. 10; Gaz. vol. 199; p. 549.
- Bales, Apparatus for enabling samples to be taken from. A. E. Cummins. No. 1,105,759; Aug. 4; Gaz. vol. 205; p. 61.
- Bales, Apparatus for reshaping and compressing plantation cotton-. J. L. Sheppard. No. 1,096,397; May 12; Gaz. vol. 202; p. 453.
- Bales, Apparatus for reshaping and compressing plantation cotton-. J. L. Sheppard. No. 1,096,398; May 12; Gaz. vol. 202; p. 453.
- Bales, Reshaping and compressing plantation cotton-. J. L. Sheppard. No. 1,121,571; Dec. 15; Gaz. vol. 209; p. 1014.
- Baler, Automatic hay-. L. Tibbe and C. A. Rhoten. No. 1,120,346; Dec. 8; Gaz. vol. 209; p. 537.
- Baler, Combined hay-. W. M. Raney. No. 1,096,948; May 19; Gaz. vol. 202; p. 684.
- Baler, Cotton-. W. Cook. No. 1,090,281; Mar. 17; Gaz. vol. 200; p. 641.
- Baler, Hand-power hay-. G. G. Green. No. 1,113,000; Oct. 6; Gaz. vol. 207; p. 204.

Alphabetical list of inventions—Continued.

- Baler, Hay-. B. A. Hilliard. No. 1,085,085; Jan. 20; Gaz. vol. 198; p. 667.
- Bailing apparatus. C. L. Walter. No. 1,090,257; Mar. 17; Gaz. vol. 200; p. 634.
- Baling-compress. I. Mikeal. No. 1,102,282; July 7; Gaz. vol. 204; p. 21.
- Baling device, Cotton-. W. D. Smith. No. 1,085,364; Jan. 27; Gaz. vol. 198; p. 802.
- Baling-machine. C. M. Eberling. No. 1,115,290; Oct. 27; Gaz. vol. 207; p. 1145.
- Baling-machine. T. S. Pearson and T. M. Conner. No. 1,100,906; June 23; Gaz. vol. 203; p. 1005.
- Baling-machine. C. F. Uecke. No. 1,088,487; Feb. 24; Gaz. vol. 199; p. 1149.
- Baling-press. F. J. Babcock. No. 1,121,440; Dec. 15; Gaz. vol. 209; p. 971.
- Baling-press. E. V. Barker. No. 1,111,819; Sept. 29; Gaz. vol. 206; p. 1203.
- Baling-press. L. H. Conner. No. 1,093,255; Apr. 14; Gaz. vol. 201; p. 423.
- Baling-press. W. L. Greider. No. 1,090,614; Mar. 17; Gaz. vol. 200; p. 759.
- Baling-press. H. J. Hanson. (Reissue.) No. 1,381,010; Oct. 20; Gaz. vol. 207; p. 888.
- Baling-press. A. M. Kolp. No. 1,122,612; Dec. 29; Gaz. vol. 209; p. 1448.
- Baling-press. G. F. Madden. No. 1,100,592; June 16; Gaz. vol. 203; p. 841.
- Baling-press. J. J. Marek. No. 1,094,734; Apr. 28; Gaz. vol. 201; p. 1026.
- Baling-press. C. E. Nabb. No. 1,096,051; May 12; Gaz. vol. 202; p. 335.
- Baling-press. M. C. Nixon. No. 1,120,402; Dec. 8; Gaz. vol. 209; p. 557.
- Baling-press. H. D. Plunkett. No. 1,116,114; Nov. 3; Gaz. vol. 208; p. 222.
- Baling-press. R. B. Redding and J. W. Barnett. No. 1,104,831; July 28; Gaz. vol. 204; p. 1042.
- Baling-press. E. C. and N. H. Sooy. No. 1,084,173; Jan. 13; Gaz. vol. 198; p. 334.
- Baling-press. J. F. Stallsmith. No. 1,113,064; Oct. 6; Gaz. vol. 207; p. 225.
- Baling-press. W. W. Stopple. No. 1,106,251; Aug. 4; Gaz. vol. 205; p. 230.
- Baling-press. J. Young. No. 1,114,090; Oct. 20; Gaz. vol. 207; p. 669.
- Baling-press alarm. C. R. Warman. No. 1,098,602; June 2; Gaz. vol. 203; p. 85.
- Baling-press feed-table. B. L. Shaffer. No. 1,097,193; May 19; Gaz. vol. 202; p. 770.
- Baling-presses, Bale-tying mechanism for. E. Curnutt. No. 1,090,296; Mar. 24; Gaz. vol. 200; p. 1021.
- Baling-presses, Indicator attachment for. J. F. Pickerill. No. 1,113,824; Oct. 13; Gaz. vol. 207; p. 537.
- Ball. See Base-ball; Bowling-ball; Game-ball; Inflatable playground-ball; Playing-ball; Pool-ball; Tennis or like ball.
- Ball. P. H. Schneider. No. 1,109,183; Sept. 1; Gaz. vol. 206; p. 116.
- Ball-and-socket connection. S. R. Bailey. No. 1,097,384; May 19; Gaz. vol. 202; p. 837.
- Ball apparatus, Base-. A. McMillan. No. 1,114,012; Oct. 20; Gaz. vol. 207; p. 640.
- Ball bat, Base-. J. A. Murphy. No. 1,111,314; Sept. 22; Gaz. vol. 206; p. 990.
- Ball-gage. O. W. Schaum. No. 1,118,587; Nov. 24; Gaz. vol. 208; p. 1210.
- Ball-joint. L. W. Barger. No. 1,100,416; June 16; Gaz. vol. 203; p. 785.
- Ball-mill. C. L. Carman. No. 1,085,109; Jan. 27; Gaz. vol. 198; p. 712.
- Ball-player's cleat. C. A. Carpenter. No. 1,118,920; Dec. 1; Gaz. vol. 209; p. 5.
- Ball-retainer. J. L. Straub. No. 1,114,932; Oct. 27; Gaz. vol. 207; p. 1019.
- Ball-socket. A. C. Danver. No. 1,116,571; Nov. 10; Gaz. vol. 208; p. 422.
- Balls, Machine for making solid. J. P. Appleby. No. 1,101,675; June 30; Gaz. vol. 203; p. 1322.
- Balls to tape or the like, Mechanism for securing. J. Christy. No. 1,107,758; Aug. 18; Gaz. vol. 205; p. 854.
- Ballast-cleaner. W. I. Trench and A. G. Zepp. No. 1,119,378; Dec. 1; Gaz. vol. 209; p. 165.
- Balloon. L. D. Brooks. No. 1,120,439; Dec. 8; Gaz. vol. 209; p. 570.
- Balloon fabric and the like. B. D. Porritt. No. 1,118,149; Nov. 24; Gaz. vol. 208; p. 1055.
- Balloons or gas-bags, Attachment for dirigible. R. R. Waterman. No. 1,103,388; July 14; Gaz. vol. 204; p. 450.
- Banana-peeling machine. G. J. Bragg. No. 1,088,400; Feb. 24; Gaz. vol. 199; p. 1121.
- Banana-peeling machine. G. J. Bragg. No. 1,093,762; Apr. 21; Gaz. vol. 201; p. 633.
- Band-brake. A. L. Riker. No. 1,108,851; Aug. 25; Gaz. vol. 205; p. 1280.
- Band-cutter. G. W. Newton. No. 1,119,307; Dec. 1; Gaz. vol. 209; p. 139.
- Band-cutter and feeder. O. Facklam. No. 1,090,522; Mar. 17; Gaz. vol. 200; p. 728.
- Band-cutter knife. J. H. Jensen. No. 1,120,721; Dec. 15; Gaz. vol. 209; p. 717.
- Band-cutters and feeders, Conveyer for. H. F. Snyder. No. 1,092,181; Apr. 7; Gaz. vol. 201; p. 19.
- Band, Infant's. J. B. Thorpe. No. 1,106,687; Aug. 11; Gaz. vol. 205; p. 429.
- Band-knife. J. M. Whitcomb. No. 1,107,004; Aug. 11; Gaz. vol. 205; p. 538.
- Bands, wrappers, or labels to boxes, blocks, or packages, Apparatus for applying. W. Rose. No. 1,111,676; Sept. 22; Gaz. vol. 206; p. 1116.
- Bandage. M. M. Lupton. No. 1,094,339; Apr. 21; Gaz. vol. 201; p. 823.
- Bandage-clip. P. S. Bauer. No. 1,084,245; Jan. 13; Gaz. vol. 198; p. 359.
- Bandage-fastener. S. H. Swope. No. 1,104,575; July 21; Gaz. vol. 204; p. 906.
- Bandage, Lip-. J. J. Silbaugh. No. 1,111,679; Sept. 22; Gaz. vol. 206; p. 1117.
- Bandage, Suspensory. J. M. Garaix. No. 1,116,879; Nov. 10; Gaz. vol. 208; p. 532.
- Bandeau. C. M. Snyder. No. 1,120,099; Dec. 8; Gaz. vol. 209; p. 448.
- Bandoleer, Woven. V. H. Jennings. No. 1,110,694; Sept. 15; Gaz. vol. 206; p. 733.
- Banjo. N. J. Nelson. No. 1,090,937; Mar. 24; Gaz. vol. 200; p. 898.
- Banjo-tailpiece. B. V. Kershner. No. 1,122,945; Dec. 29; Gaz. vol. 209; p. 1565.
- Bank, Coin savings-. C. S. Barker. No. 1,101,389; June 23; Gaz. vol. 203; p. 1171.
- Bank, Pocket savings-. F. Westerbeck. No. 1,112,955; Oct. 6; Gaz. vol. 207; p. 190.
- Bank, Portable savings-. C. E. Johnson. No. 1,098,731; June 2; Gaz. vol. 203; p. 128.
- Bank, Portable savings-. E. B. Stone. No. 1,099,103; June 2; Gaz. vol. 203; p. 249.
- Bank, Registering-. F. H. Mooney. No. 1,084,161; Jan. 13; Gaz. vol. 198; p. 330.
- Bank, Savings-. A. Dade and A. G. Brock. No. 1,100,856; June 16; Gaz. vol. 203; p. 763.
- Bank, Savings-. C. Fisher. No. 1,102,256; July 7; Gaz. vol. 204; p. 12.
- Banks, Coin-receptacle for savings-. F. Wright. No. 1,091,785; Mar. 31; Gaz. vol. 200; p. 1231.
- Bar. See Angle-bar; Boring-bar; Box-machine creasing-bar; Claw-bar; Concrete-reinforcing bar; Core-bar;; Cutter-bar; Draw-bar; Fire-bar; Grate-bar; Locking-bar; Mowing-machine cutter-bar; Pinch-bar; Railway angle-bar; Reel-bar; Reinforcing-bar; Safety-bar; Sash-bar; Skylight and greenhouse bar; Splice-bar; Tracker-bar; Type-bar; Type-writer type-bar.
- Bar-mat. A. Parr. No. 1,112,649; Oct. 6; Gaz. vol. 207; p. 85.
- Bar support, Reinforcing-. F. J. Darr. No. 1,123,107; Dec. 29; Gaz. vol. 209; p. 1622.
- Bars by rolling the same, Machine for impressing metal. A. G. Strathern. No. 1,108,272; Aug. 25; Gaz. vol. 205; p. 1080.
- Bars, Clip for reinforcing-. H. H. Lampert. No. 1,121,639; Dec. 22; Gaz. vol. 209; p. 1073.
- Bars, Producing composite. F. E. Canda. No. 1,107,755; Aug. 18; Gaz. vol. 205; p. 853.
- Barber-pole. F. O. Hutchings. No. 1,099,879; June 9; Gaz. vol. 203; p. 561.
- Barber's chair. D. D. Dickson. No. 1,119,408; Dec. 1; Gaz. vol. 209; p. 176.
- Barber's chair. E. E. Koken. No. 1,098,157; May 26; Gaz. vol. 202; p. 1151.
- Barber's chair. A. L. Undeland. No. 1,116,515; Nov. 10; Gaz. vol. 208; p. 401.
- Barber's-machine spring-motor. G. L. Bonham. No. 1,120,894; Dec. 15; Gaz. vol. 209; p. 778.
- Barber's shears. W. H. Tourjée. No. 1,103,710; July 14; Gaz. vol. 204; p. 566.
- Barge or scow, Steel. J. P. Karr. No. 1,116,894; Nov. 10; Gaz. vol. 208; p. 537.
- Barge, Sand-. C. C. West. No. 1,106,124; Aug. 4; Gaz. vol. 205; p. 190.
- Barge, Self-dumping. W. H. and C. L. Reid. No. 1,117,906; Nov. 17; Gaz. vol. 208; p. 930.
- Barium and strontium oxides, Producing. H. G. Akers. No. 1,113,178; Oct. 13; Gaz. vol. 207; p. 307.
- Barium hydrate, Making. S. B. Newberry and H. N. Barrett. No. 1,106,578; Aug. 11; Gaz. vol. 205; p. 391.
- Barium oxid, Preparing. L. E. Saunders. No. 1,112,721; Oct. 6; Gaz. vol. 207; p. 110.
- Bark from logs, limbs of trees, and slabs, Device for removing. E. Lisherness and D. A. Sargent. No. 1,087,959; Feb. 24; Gaz. vol. 199; p. 971.
- Bark-rossing machine. W. G. Hafner. No. 1,102,657; July 7; Gaz. vol. 204; p. 153.
- Bark-stripping tool. A. Camanada. No. 1,086,993; Feb. 10; Gaz. vol. 199; p. 537.
- Barking-mill. G. Schenck. No. 1,120,631; Dec. 8; Gaz. vol. 209; p. 639.
- Barking-mill. W. A. Whitcomb. No. 1,120,636; Dec. 8; Gaz. vol. 209; p. 640.
- Barn, Cow-. J. P. Bowditch. No. 1,090,131; Mar. 17; Gaz. vol. 200; p. 588.

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- Barn structure. G. Andersson. No. 1,094,960; Apr. 28; Gaz. vol. 201; p. 1104.
- Barometer. F. E. Collinson. No. 1,107,496; Aug. 18; Gaz. vol. 205; p. 761.
- Barrel. H. Breeden. No. 1,096,674; May 12; Gaz. vol. 202; p. 545.
- Barrel. O. R. Emmrich. No. 1,104,351; July 21; Gaz. vol. 204; p. 826.
- Barrel. E. W. Robinson. No. 1,087,138; Feb. 17; Gaz. vol. 199; p. 637.
- Barrel-brushing apparatus. P. Romberg. No. 1,121,872; Dec. 22; Gaz. vol. 209; p. 1156.
- Barrel-closure fastener. J. Solomon. No. 1,120,342; Dec. 8; Gaz. vol. 209; p. 536.
- Barrel, Collapsible. J. B. Crockett. No. 1,085,246; Jan. 27; Gaz. vol. 198; p. 760.
- Barrel, Collapsible. A. Warne. No. 1,116,770; Nov. 10; Gaz. vol. 208; p. 493.
- Barrel-forming machine, Metal-bilge-. W. B. Goddard. No. 1,086,593; Feb. 10; Gaz. vol. 199; p. 400.
- Barrel head and rim. M. R. Strickland. No. 1,114,309; Oct. 20; Gaz. vol. 207; p. 747.
- Barrel-head fastener. C. A. Cox. No. 1,103,401; July 14; Gaz. vol. 204; p. 455.
- Barrel-head retainer. E. W. Robinson. No. 1,104,546; July 21; Gaz. vol. 204; p. 896.
- Barrel-heading machine. H. F. Marten, H. Grahn, and J. C. Andresen. No. 1,109,079; Sept. 1; Gaz. vol. 206; p. 79.
- Barrel-heading press. J. C. Darnall. No. 1,103,175; July 14; Gaz. vol. 204; p. 380.
- Barrel-heading-up machine. E. F. Beugler. No. 1,101,391; June 23; Gaz. vol. 203; p. 1172.
- Barrel holder, Ash-. M. Nagle. No. 1,091,008; Mar. 24; Gaz. vol. 200; p. 922.
- Barrel-jack. A. R. Daugherty. No. 1,111,219; Sept. 22; Gaz. vol. 206; p. 959.
- Barrel, Knockdown. A. J. Buhtz. No. 1,116,793; Nov. 10; Gaz. vol. 208; p. 501.
- Barrel-making machine. C. D. Clark. No. 1,103,562; July 14; Gaz. vol. 204; p. 512.
- Barrel-making machinery, Metallic-. F. G. Wacker. No. 1,090,178; Mar. 17; Gaz. vol. 200; p. 606.
- Barrel, Metal bilge-. H. W. Avery and W. S. Judd. No. 1,097,744; May 26; Gaz. vol. 202; p. 1007.
- Barrel-shaker. H. Thieme. No. 1,100,852; June 23; Gaz. vol. 203; p. 986.
- Barrel, Sheet-metal. L. Bauroth. No. 1,120,889; Dec. 15; Gaz. vol. 209; p. 776.
- Barrel, Shipping-. F. C. Schmitz. No. 1,107,364; Aug. 18; Gaz. vol. 205; p. 713.
- Barrel-stand. J. Hoffman. No. 1,111,796; Sept. 29; Gaz. vol. 206; p. 1106.
- Barrel-stand. R. E. Woodworth. No. 1,102,972; July 7; Gaz. vol. 204; p. 259.
- Barrel-tap attachment. A. von Formacher. No. 1,083,781; Jan. 6; Gaz. vol. 198; p. 172.
- Barrel-treating apparatus. H. Torchiani. No. 1,102,306; July 7; Gaz. vol. 204; p. 29.
- Barrel-treating machine, Automatic. P. Romberg. No. 1,121,871; Dec. 22; Gaz. vol. 209; p. 1155.
- Barrel-welding machine. W. C. Rucknam. No. 1,118,327; Nov. 24; Gaz. vol. 208; p. 1116.
- Barrels, Making metallic. V. Mauck and J. E. Wentling. No. 1,095,014; Apr. 28; Gaz. vol. 201; p. 1123.
- Barrels, Reversible gate for steel. C. T. Draper. No. 1,103,176; July 14; Gaz. vol. 204; p. 380.
- Barrette. A. K. Collins. No. 1,086,997; Feb. 10; Gaz. vol. 199; p. 538.
- Barrow, Garden-truck-burner. T. Travis. No. 1,108,642; Aug. 25; Gaz. vol. 205; p. 1208.
- Barrow, Track-. W. G. Shults. No. 1,114,544; Oct. 20; Gaz. vol. 207; p. 831.
- Base and counter flashing, Combination. S. M. Griffiths. No. 1,105,422; July 28; Gaz. vol. 204; p. 1250.
- Base-ball. C. S. Lincoln. No. 1,089,714; Mar. 10; Gaz. vol. 200; p. 405.
- Base-ball apparatus. A. McMillan. No. 1,086,067; Feb. 3; Gaz. vol. 199; p. 176.
- Base-ball indicator-board. H. B. L. Taggart and O. B. Wortman. No. 1,118,597; Nov. 24; Gaz. vol. 208; p. 1213.
- Base-board construction for buildings. J. F. Johnson. No. 1,108,446; Aug. 25; Gaz. vol. 205; p. 1139.
- Base or stand. J. A. Firsching. No. 1,090,702; Mar. 17; Gaz. vol. 200; p. 786.
- Basin, bath-cock, and other plumbing connection. J. H. Glauber. No. 1,109,920; Sept. 8; Gaz. vol. 206; p. 418.
- Basin trap, Catch-. F. Schulenburg. No. 1,109,944; Sept. 8; Gaz. vol. 206; p. 426.
- Basket. A. H. Crawford. No. 1,095,820; May 5; Gaz. vol. 202; p. 221.
- Basket. E. Mayette and J. D. Mitchell. No. 1,105,205; July 28; Gaz. vol. 204; p. 1170.
- Basket. M. J. Wheeler and F. B. Foster. No. 1,090,000; Mar. 10; Gaz. vol. 200; p. 503.
- Basket-carrier, Folding. J. P. H. Lane. No. 1,100,893; June 23; Gaz. vol. 203; p. 1000.
- Basket, Collapsible. L. Barbour. No. 1,122,567; Dec. 29; Gaz. vol. 209; p. 1431.
- Basket, Collapsible. L. H. Jetter, Jr. No. 1,119,429; Dec. 1; Gaz. vol. 209; p. 183.
- Basket cover, Fruit-. R. P. Clark. No. 1,110,042; Sept. 8; Gaz. vol. 206; p. 461.
- Basket extender, Waste-. V. F. Graham. No. 1,116,265; Nov. 3; Gaz. vol. 208; p. 271.
- Basket, Folding. A. Zanolli. No. 1,089,686; Mar. 10; Gaz. vol. 200; p. 395.
- Basket for birds, Feeding-. C. E. White. No. 1,092,314; Apr. 7; Gaz. vol. 201; p. 67.
- Basket-frame. W. Huke. No. 1,116,820; Nov. 10; Gaz. vol. 208; p. 511.
- Basket-holder. R. A. Summers. No. 1,101,583; June 30; Gaz. vol. 203; p. 1290.
- Basket, Paper-lined cooking-. A. D. Porter. No. 1,098,053; May 26; Gaz. vol. 202; p. 1116.
- Basket-support. R. A. Summers. No. 1,100,851; June 23; Gaz. vol. 203; p. 985.
- Basket, Waste-. W. W. Worcester. No. 1,120,176; Dec. 8; Gaz. vol. 209; p. 476.
- Basket, Wood. P. Brüggemann. No. 1,118,470; Nov. 24; Gaz. vol. 208; p. 1169.
- Baskets, Cushion-pad for covers for fruit-. R. P. Clark. No. 1,110,043; Sept. 8; Gaz. vol. 206; p. 461.
- Baskets, Drip-catcher holder for hanging. P. W. Jannoch. No. 1,095,504; May 5; Gaz. vol. 202; p. 114.
- Bass-fibers, Dividing, lanifizing, and bleaching. L. De Wolf Wante. No. 1,112,873; Oct. 6; Gaz. vol. 207; p. 162.
- Basting-pin. H. Roucher. No. 1,091,085; Mar. 24; Gaz. vol. 200; p. 950.
- Bat. J. A. Hillerich. No. 1,110,487; Sept. 15; Gaz. vol. 206; p. 660.
- Bat-accumulator. W. L. Clayton, G. R. Brown, and B. Clayton. (Reissue.) No. 13,794; Sept. 1; Gaz. vol. 206; p. 281.
- Bat, Base-ball. C. S. Lincoln. No. 1,121,189; Dec. 15; Gaz. vol. 209; p. 882.
- Bath: See Electric bath; Eye-bath; Milk-cooling bath; Plunge-bath; Portable bath; Shower-bath.
- Bath. E. Geussenhainer. No. 1,103,139; July 14; Gaz. vol. 204; p. 367.
- Bath and basin waste. H. F. Goetz. No. 1,111,375; Sept. 22; Gaz. vol. 206; p. 1011.
- Bath and sterilizer, Water. G. H. Wahmann. No. 1,095,534; May 5; Gaz. vol. 202; p. 125.
- Bath apparatus, Extensible. O. N. Hildeton. No. 1,095,633; May 5; Gaz. vol. 202; p. 157.
- Bath apparatus, Internal-. M. A. Dees. No. 1,115,908; Nov. 3; Gaz. vol. 208; p. 150.
- Bath attachment, Arm-. A. M. McQuhae. No. 1,105,365; July 28; Gaz. vol. 204; p. 1231.
- Bath attachment, Shower-. J. H. Carter. No. 1,112,261; Sept. 29; Gaz. vol. 206; p. 1355.
- Bath attachment, Shower-. A. R. Holtman. No. 1,088,709; Feb. 10; Gaz. vol. 199; p. 439.
- Bath attachments, Bracket for shower-. W. T. Sheldon. No. 1,088,462; Feb. 24; Gaz. vol. 199; p. 1142.
- Bath-cabinet. J. C. Henderson. No. 1,099,904; June 9; Gaz. vol. 203; p. 570.
- Bath-cabinet. J. M. Johnson. No. 1,093,055; Apr. 14; Gaz. vol. 201; p. 353.
- Bath cabinet, Compact folding vapor-. F. Depenbrock. No. 1,092,699; Apr. 7; Gaz. vol. 201; p. 198.
- Bath-cabinet, Electric. G. B. Campbell. No. 1,095,957; May 5; Gaz. vol. 202; p. 265.
- Bath-cabinet, Electric. T. E. Murray. No. 1,120,224; Dec. 8; Gaz. vol. 209; p. 494.
- Bath-mat. I. N. Hollingsworth. No. 1,097,631; May 26; Gaz. vol. 202; p. 965.
- Bath-mat. G. W. Smith and W. W. Becker. No. 1,099,671; June 9; Gaz. vol. 203; p. 490.
- Bath-room fixture. E. M. Statler and J. A. Johnson. No. 1,105,164; July 28; Gaz. vol. 204; p. 1156.
- Bath-trap. J. W. Sharp, Jr. and A. E. Bacon. No. 1,118,955; Dec. 1; Gaz. vol. 209; p. 17.
- Bath trap and overflow. J. A. Blichmann. No. 1,093,601; Apr. 21; Gaz. vol. 201; p. 579.
- Bath-tub appliance. F. C. Rehm. No. 1,111,094; Sept. 22; Gaz. vol. 206; p. 915.
- Bath-tub attachment. G. A. L'Hommedieu. No. 1,104,430; July 21; Gaz. vol. 204; p. 853.
- Bath-tub, Enameled-iron. J. Clifford. No. 1,116,015; Nov. 3; Gaz. vol. 208; p. 188.
- Bath-tub foot. E. F. Ulrich and E. D. Rash. No. 1,118,974; Dec. 1; Gaz. vol. 209; p. 24.
- Bath-tub heater. J. N. Thornton. No. 1,112,038; Sept. 29; Gaz. vol. 206; p. 1276.
- Bath-tub, Infant's. H. F. Tate. No. 1,086,628; Feb. 10; Gaz. vol. 199; p. 412.
- Bath-tub, kitchen-sink, and drain-board device, Combination. J. C. Simms. No. 1,095,742; May 5; Gaz. vol. 202; p. 194.
- Bath-tub, Portable and foldable. N. F. and S. F. Boniface. No. 1,096,672; May 12; Gaz. vol. 202; p. 544.
- Bath-tub silencer. G. A. Niewiadowski. No. 1,110,959; Sept. 15; Gaz. vol. 206; p. 826.
- Bath-tub vapor-cabinet appliance. G. W. Caldwell. No. 1,089,819; Mar. 10; Gaz. vol. 200; p. 440.

Alphabetical list of inventions—Continued.

- Bath-tubs, washbasins, &c., Waste and overflow connection for. A. B. Tilton. No. 1,101,974; June 30; Gaz. vol. 203; p. 1426.
- Bathing appliance, Infant's portable. T. C. Park. No. 1,115,968; Nov. 3; Gaz. vol. 208; p. 171.
- Bathing-garment. W. W. Pelton. No. 1,084,106; Jan. 13; Gaz. vol. 198; p. 311.
- Bathing-pools, Movable floor for. C. W. Collins. No. 1,101,166; June 23; Gaz. vol. 203; p. 1095.
- Bathing-suit. W. D. Forbes. No. 1,121,177; Dec. 15; Gaz. vol. 209; p. 878.
- Bathing-suit. L. and S. Pelton and F. E. Fleury. No. 1,093,354; Apr. 14; Gaz. vol. 201; p. 457.
- Bathing-suit. M. E. Street. No. 1,111,193; Sept. 22; Gaz. vol. 206; p. 950.
- Batter cup or bucket. W. F. Legg and F. A. Buechner. No. 1,101,199; June 23; Gaz. vol. 203; p. 1107.
- Batter-mixer. T. G. Perkins. No. 1,099,466; June 9; Gaz. vol. 203; p. 420.
- Batteries, Charging secondary. M. R. Hutchison. No. 1,117,493; Nov. 17; Gaz. vol. 208; p. 786.
- Batteries, Charging-switch for storage. C. W. Coleman. No. 1,090,201; Mar. 17; Gaz. vol. 200; p. 613.
- Batteries, Constructing secondary or storage. G. L. and G. J. A. Fuller. No. 1,092,252; Apr. 7; Gaz. vol. 201; p. 44.
- Batteries, Flash-lamp attachment for electric. F. Base-dow. No. 1,120,668; Dec. 15; Gaz. vol. 209; p. 698.
- Batteries, Renewal element for semi-dry-cell. W. Broad. No. 1,106,540; Aug. 11; Gaz. vol. 205; p. 377.
- Batteries, Temperature-controlling device for storage. G. H. Stahl. No. 1,098,692; June 2; Gaz. vol. 203; p. 115.
- Batteries, Vent and overflow for. C. T. Mason. No. 1,107,084; Aug. 11; Gaz. vol. 205; p. 565.
- Battery: See Dry battery; Dry-cell battery; Electric battery; Electrical battery; Galvanic battery; Primary battery; Secondary or storage battery; Storage battery.
- Battery. S. Lake. No. 1,106,719; Aug. 11; Gaz. vol. 205; p. 440.
- Battery. E. Sokal. No. 1,121,771; Dec. 22; Gaz. vol. 209; p. 1119.
- Battery. W. E. Winship. No. 1,106,125; Aug. 4; Gaz. vol. 205; p. 190.
- Battery-box support and insulator. A. C. Cremer and G. F. Molander. No. 1,097,392; May 19; Gaz. vol. 202; p. 841.
- Battery case, Portable storage-. J. A. Callier. No. 1,088,531; Feb. 24; Gaz. vol. 199; p. 1163.
- Battery cell, Electric-. H. A. Thomas. No. 1,090,763; Mar. 17; Gaz. vol. 200; p. 805.
- Battery cell, Storage-. B. Ford. No. 1,111,451; Sept. 22; Gaz. vol. 206; p. 1037.
- Battery-charging system. C. E. Beach. No. 1,118,099; Nov. 24; Gaz. vol. 208; p. 1038.
- Battery-charging system. C. E. Beach. No. 1,121,892; Dec. 22; Gaz. vol. 209; p. 1163.
- Battery-charging system, Storage-. J. F. Lincoln. No. 1,122,287; Dec. 29; Gaz. vol. 209; p. 1338.
- Battery circuits, Apparatus for testing storage-. C. E. Beach. No. 1,099,909; June 16; Gaz. vol. 203; p. 608.
- Battery-compartments, Removable cover for. W. G. Merkle. No. 1,116,313; Nov. 3; Gaz. vol. 208; p. 287.
- Battery connection. J. Bijur. No. 1,108,883; Sept. 1; Gaz. vol. 206; p. 7.
- Battery-connector. G. I. Rawson and L. B. Shultz. No. 1,102,355; July 7; Gaz. vol. 204; p. 46.
- Battery container, Dry-. H. T. Johnson. No. 1,105,144; July 28; Gaz. vol. 204; p. 1149.
- Battery-holder. G. L. Patterson. No. 1,120,077; Dec. 8; Gaz. vol. 209; p. 441.
- Battery insulation, Storage-. J. N. Davis. No. 1,088,210; Feb. 24; Gaz. vol. 199; p. 1058.
- Battery negative-pole plate, Electric-storage-. E. W. Smith. No. 1,085,707; Feb. 3; Gaz. vol. 199; p. 45.
- Battery-plate separator, Storage-. C. C. Carpenter. No. 1,087,637; Feb. 17; Gaz. vol. 199; p. 814.
- Battery plate, Storage-. R. Drambourg. No. 1,105,499; July 28; Gaz. vol. 204; p. 1276.
- Battery plate, Storage-. M. Krokavetz. No. 1,107,618; Aug. 18; Gaz. vol. 205; p. 804.
- Battery-plates, Apparatus for treating. G. H. Rabenalt. No. 1,104,272; July 21; Gaz. vol. 204; p. 798.
- Battery plates or electrodes, Making and filling storage-. E. W. Smith. No. 1,101,968; June 30; Gaz. vol. 203; p. 1425.
- Battery-plates, Treating. G. H. Rabenalt. No. 1,104,273; July 21; Gaz. vol. 204; p. 798.
- Battery-plates, Washing and pickling vat for. F. Engel. No. 1,122,887; Dec. 29; Gaz. vol. 209; p. 1546.
- Battery-regulator. E. Lowe. No. 1,094,156; Apr. 21; Gaz. vol. 201; p. 766.
- Battery separators, Treating wood for storage-. J. M. Skinner. No. 1,098,357; May 26; Gaz. vol. 202; p. 1221.
- Battery support and clamp. W. MacGlashan. No. 1,091,583; Mar. 31; Gaz. vol. 200; p. 1160.
- Battery system, Storage-. E. A. Halbleib. No. 1,087,289; Feb. 17; Gaz. vol. 199; p. 691.
- Battery system, Storage-. E. A. Halbleib. No. 1,089,549; Mar. 10; Gaz. vol. 200; p. 348.
- Battery-terminal. J. M. Skinner. No. 1,094,173; Apr. 21; Gaz. vol. 201; p. 772.
- Battery terminal, Secondary or storage. J. W. Achard. No. 1,085,959; Feb. 3; Gaz. vol. 199; p. 136.
- Battery-terminals and other electrical conductors, Connector for. A. H. Snyder. No. 1,120,554; Dec. 8; Gaz. vol. 209; p. 610.
- Battery-tray connection. J. N. Davis. No. 1,087,531; Feb. 17; Gaz. vol. 199; p. 775.
- Batting-frame. A. E. Harris and J. W. Driver. No. 1,115,190; Oct. 27; Gaz. vol. 207; p. 1111.
- Battleships, Bomb-shield for. J. A. Steinmetz. No. 1,101,580; June 30; Gaz. vol. 203; p. 1290.
- Bayonet-band lock for military rifles. T. C. Johnson. No. 1,121,589; Dec. 15; Gaz. vol. 209; p. 1020.
- Beacon for comparatively shallow water, (instead of buoys.) J. J. Irving. No. 1,107,197; Aug. 11; Gaz. vol. 205; p. 607.
- Bead chains, Machine for making. G. W. Goodridge and W. J. Gagnon. No. 1,087,876; Feb. 17; Gaz. vol. 199; p. 893.
- Bead-cores, Machine for covering. W. C. Tyler and E. Nall. No. 1,113,513; Oct. 13; Gaz. vol. 207; p. 428.
- Bead-rolling machine for plastic articles. J. W. Denmead. No. 1,091,123; Mar. 24; Gaz. vol. 200; p. 963.
- Beading and seam-hammering machine. F. N. Ethridge. No. 1,123,183; Dec. 29; Gaz. vol. 209; p. 1651.
- Beading-machines, Safety feed mechanism for. H. F. Richter. No. 1,105,840; Aug. 4; Gaz. vol. 205; p. 89.
- Beading, molding, and cutting machine. G. L. Knights. No. 1,085,568; Jan. 27; Gaz. vol. 198; p. 867.
- Beam. D. B. Luten. No. 1,089,487; Mar. 10; Gaz. vol. 200; p. 326.
- Beam and girder. W. P. Anderson. No. 1,088,676; Mar. 3; Gaz. vol. 200; p. 3.
- Beam-mold. W. M. Venable. No. 1,090,583; Mar. 17; Gaz. vol. 200; p. 748.
- Beam-splicing clamp. T. Siderits and G. Murl. No. 1,084,236; Jan. 13; Gaz. vol. 198; p. 356.
- Beams, Finishing. W. A. Dunn. No. 1,109,050; Sept. 1; Gaz. vol. 206; p. 69.
- Beamless brake. H. L. Jones and R. Anderson. No. 1,098,806; June 2; Gaz. vol. 203; p. 152.
- Bean cutters, &c., Feeding mechanism for string-. W. B. Phinney and R. C. Adams. No. 1,095,228; May 5; Gaz. vol. 202; p. 19.
- Bean-gathering machine. A. J. Tingley, S. Roosa, and G. Gould. No. 1,114,416; Oct. 20; Gaz. vol. 207; p. 785.
- Bean-huller. C. A. Hooks. No. 1,107,165; Aug. 11; Gaz. vol. 205; p. 596.
- Bean-picking machines, Feed device for. C. E. Smith. No. 1,096,399; May 12; Gaz. vol. 202; p. 453.
- Bean-separating machine. C. E. Smith. No. 1,110,014; Sept. 8; Gaz. vol. 206; p. 450.
- Bean-separating machine. E. E. Walker. No. 1,099,778; June 9; Gaz. vol. 203; p. 526.
- Bean-sheller. J. F. and J. F. Bullard. No. 1,108,691; Aug. 25; Gaz. vol. 205; p. 1224.
- Bean-snipper. L. Janquart. No. 1,086,056; Feb. 3; Gaz. vol. 199; p. 171.
- Bean-snipper. L. Janquart. No. 1,115,546; Nov. 3; Gaz. vol. 208; p. 28.
- Bean-snipping machine. J. W. Carnochan and F. H. Damon. No. 1,113,307; Oct. 13; Gaz. vol. 207; p. 355.
- Bean-snipping machine. W. L. Schroder. No. 1,116,930; Nov. 10; Gaz. vol. 208; p. 549.
- Bean-snipping machine. F. A. Shoman. No. 1,102,808; July 7; Gaz. vol. 204; p. 205.
- Bean-sorter. J. A. Gardner. No. 1,097,754; May 26; Gaz. vol. 202; p. 1010.
- Bean sorter and lifting head. J. A. Gardner. No. 1,120,380; Dec. 8; Gaz. vol. 209; p. 548.
- Bean-sorting machine. P. L. Day. No. 1,105,890; Aug. 4; Gaz. vol. 205; p. 105.
- Beans and other articles, Machine for trimming string-. W. B. Phinney. No. 1,098,398; June 2; Gaz. vol. 203; p. 14.
- Beans, &c., Machine for trimming string-. R. C. Adams. No. 1,091,787; Mar. 31; Gaz. vol. 200; p. 1232.
- Beans, &c., Machine for washing. T. Wilson. No. 1,109,728; Sept. 8; Gaz. vol. 206; p. 349.
- Bearing. E. F. W. Alexanderson. No. 1,110,030; Sept. 8; Gaz. vol. 206; p. 456.
- Bearing. C. A. Anderson. No. 1,119,056; Dec. 1; Gaz. vol. 209; p. 56.
- Bearing. W. M. Bancroft. No. 1,095,067; Apr. 28; Gaz. vol. 201; p. 1140.
- Bearing. A. Bonom. No. 1,108,064; Aug. 18; Gaz. vol. 205; p. 959.
- Bearing. H. H. Doehler. No. 1,121,904; Dec. 22; Gaz. vol. 209; p. 1167.
- Bearing. A. E. Dotta. No. 1,091,306; Mar. 24; Gaz. vol. 200; p. 1025.
- Bearing. W. Elliott. No. 1,104,041; July 21; Gaz. vol. 204; p. 719.
- Bearing. W. Fritz. No. 1,095,839; May 5; Gaz. vol. 202; p. 227.
- Bearing. I. A. George. No. 1,091,830; Mar. 31; Gaz. vol. 200; p. 1247.
- Bearing. W. S. Harley. No. 1,103,044; July 14; Gaz. vol. 204; p. 333.
- Bearing. A. Kingsbury. No. 1,117,505; Nov. 17; Gaz. vol. 208; p. 790.

Alphabetical list of inventions—Continued.

- Bearing. J. Kralund. No. 1,121,849; Dec. 22; Gaz. vol. 209; p. 1147.
- Bearing. B. L. Lawton. No. 1,093,194; Apr. 14; Gaz. vol. 201; p. 403.
- Bearing. C. G. Lundgren. No. 1,092,730; Apr. 7; Gaz. vol. 201; p. 208.
- Bearing. N. L. Obrecht. No. 1,117,226; Nov. 17; Gaz. vol. 208; p. 692.
- Bearing. S. Orbán. No. 1,105,097; July 28; Gaz. vol. 204; p. 1134.
- Bearing. C. A. Parsons. No. 1,086,308; Feb. 3; Gaz. vol. 199; p. 253.
- Bearing, Adjustable. H. S. Ash and E. H. Hayes. No. 1,114,668; Oct. 20; Gaz. vol. 207; p. 871.
- Bearing, Adjustable. L. S. Crookshanks. No. 1,100,715; June 23; Gaz. vol. 203; p. 939.
- Bearing, Adjustable. G. A. Pfueger. No. 1,122,800; Dec. 29; Gaz. vol. 209; p. 1515.
- Bearing, Adjustable antifriction-. H. A. Myers. No. 1,122,986; Dec. 29; Gaz. vol. 209; p. 1581.
- Bearing, Adjustable sectional. J. G. Ludwig, Jr. No. 1,109,773; Sept. 8; Gaz. vol. 206; p. 364.
- Bearing and fluid seal, Combination thrust-. W. J. Wohlenberg. No. 1,121,051; Dec. 22; Gaz. vol. 209; p. 1219.
- Bearing and separator for the rollers, Roller-. H. Etheridge. No. 1,112,900; Oct. 6; Gaz. vol. 207; p. 170.
- Bearing, Antifriction-. D. F. Graham. No. 1,105,132; July 28; Gaz. vol. 204; p. 1145.
- Bearing, Antifriction-. D. F. Graham. No. 1,105,133; July 28; Gaz. vol. 204; p. 1145.
- Bearing, Antifriction-. H. S. Greene. No. 1,100,559; June 16; Gaz. vol. 203; p. 831.
- Bearing, Antifriction-. H. Hess. No. 1,116,887; Nov. 10; Gaz. vol. 208; p. 534.
- Bearing, Antifriction-. H. Hess. No. 1,122,596; Dec. 29; Gaz. vol. 209; p. 1442.
- Bearing, Antifriction-. H. A. Myers. No. 1,122,987; Dec. 29; Gaz. vol. 209; p. 1581.
- Bearing, Antifriction-. H. Parker. No. 1,119,034; Dec. 1; Gaz. vol. 209; p. 49.
- Bearing, Antifriction-. A. F. Rockwell. No. 1,102,547; July 7; Gaz. vol. 204; p. 114.
- Bearing, Antifriction-. C. F. Sultemeyer. No. 1,121,208; Dec. 15; Gaz. vol. 209; p. 888.
- Bearing, Antifriction-. E. S. Woods. No. 1,094,957; Apr. 28; Gaz. vol. 201; p. 1103.
- Bearing, Antifriction roller-. C. S. Lockwood. No. 1,104,363; July 21; Gaz. vol. 204; p. 830.
- Bearing, Antifriction roller-. O. Wilson. No. 1,111,550; Sept. 22; Gaz. vol. 206; p. 1071.
- Bearing, Antifriction side. E. S. Woods and A. A. Weigel. No. 1,111,119; Sept. 22; Gaz. vol. 206; p. 923.
- Bearing, Antifriction thrust-. J. N. Vandegrift. No. 1,106,065; Aug. 4; Gaz. vol. 205; p. 167.
- Bearing, Ball-. C. Delmez. No. 1,094,312; Apr. 21; Gaz. vol. 201; p. 816.
- Bearing, Ball-. C. F. Dilg. No. 1,117,808; Nov. 17; Gaz. vol. 208; p. 898.
- Bearing, Ball-. C. F. Dilg. No. 1,117,943; Nov. 17; Gaz. vol. 208; p. 943.
- Bearing, Ball-. B. W. Fjellman. No. 1,091,822; Mar. 31; Gaz. vol. 200; p. 1244.
- Bearing, Ball-. M. Gohlke. No. 1,105,268; July 28; Gaz. vol. 204; p. 1193.
- Bearing, Ball-. M. Gohlke. No. 1,108,899; Sept. 1; Gaz. vol. 206; p. 13.
- Bearing, Ball-. L. Golly. No. 1,121,087; Dec. 15; Gaz. vol. 209; p. 845.
- Bearing, Ball-. L. P. Mooers. No. 1,093,348; Apr. 14; Gaz. vol. 201; p. 455.
- Bearing, Ball-. T. G. Rennerfelt. No. 1,099,571; June 9; Gaz. vol. 203; p. 456.
- Bearing, Ball-. F. Starin. No. 1,091,544; Mar. 31; Gaz. vol. 200; p. 1147.
- Bearing, Ball-. F. Starin. No. 1,115,124; Oct. 27; Gaz. vol. 207; p. 1087.
- Bearing-box. A. R. Blewett. No. 1,118,325; Nov. 24; Gaz. vol. 208; p. 1116.
- Bearing-box for motor-vehicles, Adjustable. R. Huff. No. 1,103,289; July 14; Gaz. vol. 204; p. 418.
- Bearing cage, Antifriction-. F. Baltzer. No. 1,095,694; May 5; Gaz. vol. 202; p. 178.
- Bearing cage, Ball-. M. Gohlke. No. 1,122,586; Dec. 29; Gaz. vol. 209; p. 1438.
- Bearing cage, Ball-. C. A. Hirth. No. 1,098,901; June 2; Gaz. vol. 203; p. 185.
- Bearing cage, Roller-. J. F. Foster. No. 1,100,179; June 16; Gaz. vol. 203; p. 702.
- Bearing cage, Roller-. C. S. Lockwood. No. 1,095,336; May 5; Gaz. vol. 202; p. 56.
- Bearing, Car-sill. W. A. Stearns. No. 1,101,101; June 23; Gaz. vol. 203; p. 1073.
- Bearing, Car-wheel. W. F. Daniel. No. 1,108,068; Aug. 18; Gaz. vol. 205; p. 961.
- Bearing, Center-. E. A. Laughlin. No. 1,112,012; Sept. 29; Gaz. vol. 206; p. 1267.
- Bearing, Center-. W. White. No. 1,095,688; May 5; Gaz. vol. 202; p. 176.
- Bearing, Compensating. J. F. Pender. No. 1,093,290; Apr. 14; Gaz. vol. 201; p. 436.
- Bearing, Connecting-rod. E. Bugattl. No. 1,117,970; Nov. 24; Gaz. vol. 208; p. 992.
- Bearing, Double-acting antifrictional thrust-. P. Brühl and O. Schmis. No. 1,087,482; Feb. 17; Gaz. vol. 199; p. 759.
- Bearing elements, Key-lock for. J. Malicki. No. 1,109,851; Sept. 8; Gaz. vol. 206; p. 391.
- Bearing, End-thrust. H. J. Mitchell. No. 1,092,160; Apr. 7; Gaz. vol. 201; p. 12.
- Bearing, Flexible. J. E. Magee. No. 1,086,830; Feb. 10; Gaz. vol. 199; p. 483.
- Bearing for centrifugal machines. E. Lommatzsch. No. 1,095,337; May 5; Gaz. vol. 202; p. 56.
- Bearing for electric trucks, Side. B. R. Van Kirk. No. 1,097,488; May 19; Gaz. vol. 202; p. 873.
- Bearing for furrow-openers, Antifriction-. S. H. Garst. No. 1,107,777; Aug. 18; Gaz. vol. 205; p. 861.
- Bearing for grinding-mills. C. R. Dimm. No. 1,093,688; Apr. 21; Gaz. vol. 201; p. 611.
- Bearing for pivotal trucks, Center-. W. S. Adams. No. 1,094,185; Apr. 21; Gaz. vol. 201; p. 776.
- Bearing for propeller-shafts of ships, Thrust-. H. Wilson. No. 1,094,620; Apr. 28; Gaz. vol. 201; p. 983.
- Bearing hanger, Ball-. R. H. Villard. No. 1,083,780; Jan. 6; Gaz. vol. 198; p. 172.
- Bearing hanger-box, Roller-. C. S. Lockwood. No. 1,114,777; Oct. 27; Gaz. vol. 207; p. 964.
- Bearing, Link-motion side. A. Stoikowitz. No. 1,122,330; Dec. 29; Gaz. vol. 209; p. 1352.
- Bearing, Lubricator-. A. D. Ray. No. 1,103,432; July 14; Gaz. vol. 204; p. 466.
- Bearing lubricator, Submerged-. F. Lobnitz. No. 1,107,806; Aug. 18; Gaz. vol. 205; p. 870.
- Bearing, Oilless. L. S. Bache. No. 1,122,230; Dec. 22; Gaz. vol. 209; p. 1278.
- Bearing, Oilless. L. S. Bache. No. 1,122,565; Dec. 29; Gaz. vol. 209; p. 1431.
- Bearing, Open. C. H. Norton. No. 1,096,190; May 12; Gaz. vol. 202; p. 381.
- Bearing, Piston-. J. E. Erskine. No. 1,106,702; Aug. 11; Gaz. vol. 205; p. 433.
- Bearing, Pressure-tight. E. G. Bailey. No. 1,089,739; Mar. 10; Gaz. vol. 200; p. 413.
- Bearing, Pulley-. A. E. Rhoades. No. 1,089,381; Mar. 3; Gaz. vol. 200; p. 239.
- Bearing retainer, Ball-. G. H. Stahl. No. 1,089,877; Mar. 10; Gaz. vol. 200; p. 460.
- Bearing, Roller-. D. W. Crosland. No. 1,096,528; May 12; Gaz. vol. 202; p. 497.
- Bearing, Roller-. B. E. Dohner and A. J. Huff. No. 1,108,722; Aug. 25; Gaz. vol. 205; p. 1236.
- Bearing, Roller-. R. Heinzelman. No. 1,102,404; July 7; Gaz. vol. 204; p. 64.
- Bearing, Roller-. H. Hess. No. 1,096,530; May 12; Gaz. vol. 202; p. 498.
- Bearing, Roller-. W. H. Makutchan. No. 1,087,027; Feb. 10; Gaz. vol. 199; p. 548.
- Bearing, Roller-. O. E. Michaud. No. 1,093,795; Apr. 21; Gaz. vol. 201; p. 644.
- Bearing, Roller-. J. Newmann. (Reissue.) No. 13,727; May 12; Gaz. vol. 202; p. 598.
- Bearing, Roller-. L. Pondelick. No. 1,121,661; Dec. 22; Gaz. vol. 209; p. 1080.
- Bearing, Roller-. M. A. Ross. No. 1,118,685; Nov. 24; Gaz. vol. 208; p. 1243.
- Bearing, Roller-. F. C. Seaman. No. 1,101,716; June 30; Gaz. vol. 203; p. 1335.
- Bearing, Roller-. H. E. Stoner. No. 1,100,791; June 23; Gaz. vol. 203; p. 965.
- Bearing, Roller-. H. E. Stoner. No. 1,105,935; Aug. 4; Gaz. vol. 205; p. 122.
- Bearing, Roller-. F. Vielberth. No. 1,109,490; Sept. 1; Gaz. vol. 206; p. 223.
- Bearing, Roller-. R. L. Whitesides. No. 1,116,186; Nov. 3; Gaz. vol. 208; p. 245.
- Bearing, Roller side. S. Hansson and I. Moeller. No. 1,121,624; Dec. 22; Gaz. vol. 209; p. 1068.
- Bearing, Roller side. A. Stucki. No. 1,093,953; Apr. 21; Gaz. vol. 201; p. 697.
- Bearing, Roller side. A. Stucki. No. 1,096,472; May 12; Gaz. vol. 202; p. 478.
- Bearing, Roller side. A. Stucki. No. 1,096,473; May 12; Gaz. vol. 202; p. 478.
- Bearing-rollers, Finishing. R. Smith. No. 1,122,433; Dec. 29; Gaz. vol. 209; p. 1385.
- Bearing, Self-lubricating. D. M. Cooper. No. 1,094,535; Apr. 28; Gaz. vol. 201; p. 952.
- Bearing, Self-oiling. E. F. G. H. Faure. No. 1,119,815; Dec. 8; Gaz. vol. 209; p. 350.
- Bearing, Self-oiling. C. V. Kerr. No. 1,101,191; June 23; Gaz. vol. 203; p. 1104.
- Bearing, Shaft-. O. F. Bruman. No. 1,083,984; Jan. 13; Gaz. vol. 198; p. 269.
- Bearing, Shaft-. S. S. Forster. No. 1,115,185; Oct. 27; Gaz. vol. 207; p. 1109.
- Bearing, Shaft-. B. R. Hall. No. 1,089,701; Mar. 10; Gaz. vol. 200; p. 400.
- Bearing, Shaft-. F. L. Webster. No. 1,108,042; Aug. 18; Gaz. vol. 205; p. 952.
- Bearing, Shaft or axle. N. B. Hani. No. 1,098,149; May 26; Gaz. vol. 202; p. 1148.

Alphabetical list of inventions—Continued.

- Bearing, Side. G. L. Allen. No. 1,084,522; Jan. 13; Gaz. vol. 198; p. 446.
- Bearing, Side. E. A. Laughlin. No. 1,112,013; Sept. 29; Gaz. vol. 206; p. 1268.
- Bearing, Side. T. H. Symington. No. 1,116,645; Nov. 10; Gaz. vol. 208; p. 449.
- Bearing, Side. W. White. No. 1,118,984; Dec. 1; Gaz. vol. 209; p. 28.
- Bearing, Side. A. K. Wolfe. No. 1,108,054; Aug. 18; Gaz. vol. 205; p. 956.
- Bearing, Spring-. T. H. Miller. No. 1,107,691; Aug. 18; Gaz. vol. 205; p. 830.
- Bearing, Stern-. J. B. Stelzer. No. 1,098,187; May 26; Gaz. vol. 202; p. 1161.
- Bearing, Step-. J. F. Key. No. 1,083,838; Jan. 6; Gaz. vol. 198; p. 189.
- Bearing, Thrust-. S. C. Anker-Holth. No. 1,096,524; May 12; Gaz. vol. 202; p. 496.
- Bearing, Thrust-. S. Z. de Ferranti. No. 1,121,083; Dec. 15; Gaz. vol. 209; p. 844.
- Bearing, Thrust-. A. Kingsbury. No. 1,102,276; July 7; Gaz. vol. 204; p. 19.
- Bearing, Thrust-. A. Kingsbury. No. 1,117,490; Nov. 17; Gaz. vol. 208; p. 788.
- Bearing, Thrust-. A. Kingsbury. No. 1,117,500; Nov. 17; Gaz. vol. 208; p. 789.
- Bearing, Thrust-. A. Kingsbury. No. 1,117,502; Nov. 17; Gaz. vol. 208; p. 789.
- Bearing, Thrust-. A. Kingsbury. No. 1,117,503; Nov. 17; Gaz. vol. 208; p. 790.
- Bearing, Thrust-. A. Kingsbury. No. 1,117,504; Nov. 17; Gaz. vol. 208; p. 790.
- Bearing, Thrust-. A. Kingsbury. No. 1,117,506; Nov. 17; Gaz. vol. 208; p. 791.
- Bearing, Thrust-. B. S. Lawson. No. 1,084,582; Jan. 13; Gaz. vol. 198; p. 469.
- Bearing, Thrust-. R. H. Rice and W. Johnson. No. 1,089,671; Mar. 10; Gaz. vol. 200; p. 390.
- Bearing, Wear-compensating. W. A. Dunn. No. 1,109,049; Sept. 1; Gaz. vol. 206; p. 68.
- Bearing with duplex rolls, Roller-. C. S. Lockwood. No. 1,112,303; Sept. 29; Gaz. vol. 206; p. 1368.
- Bearing with several rows of balls, Ball-. O. Hoffmann. No. 1,105,433; July 28; Gaz. vol. 204; p. 1253.
- Bearing with thrust-control ring, Roller-. C. S. Lockwood. No. 1,122,518; Dec. 29; Gaz. vol. 209; p. 1415.
- Bearing, Yielding. J. and A. Persoons. No. 1,107,998; Aug. 18; Gaz. vol. 205; p. 936.
- Bearings and the like, Tool for truing engine-. H. Austin. No. 1,094,187; Apr. 21; Gaz. vol. 201; p. 776.
- Bearings, Cage for antifriction-. F. Baltzer. No. 1,114,331; Oct. 20; Gaz. vol. 207; p. 754.
- Bearings, Cage for antifriction-. F. Baltzer. No. 1,114,332; Oct. 20; Gaz. vol. 207; p. 755.
- Bearings, Cage for antifriction-. H. Hess. No. 1,096,531; May 12; Gaz. vol. 202; p. 498.
- Bearings, Cage for ball-. E. G. Hoffmann. No. 1,103,965; July 21; Gaz. vol. 204; p. 694.
- Bearings, Guard for. S. M. Chase. No. 1,109,822; Sept. 8; Gaz. vol. 206; p. 381.
- Bearings, Retainer for ball-. U. G. Rogers. No. 1,117,247; Nov. 17; Gaz. vol. 208; p. 699.
- Bearings, Two-part roll for roller-. C. S. Lockwood. No. 1,104,364; July 21; Gaz. vol. 204; p. 831.
- Beater. J. H. Gourlie. No. 1,101,693; June 30; Gaz. vol. 203; p. 1328.
- Beater mechanism. W. H. Rice. No. 1,109,302; Sept. 1; Gaz. vol. 206; p. 157.
- Beating and mixing device. H. P. Roberts. No. 1,090,567; Mar. 17; Gaz. vol. 200; p. 742.
- Beating and mixing machine. J. L. Harr. No. 1,090,148; Mar. 17; Gaz. vol. 200; p. 594.
- Beating and refining engine. E. P. Butts. No. 1,122,682; Dec. 29; Gaz. vol. 209; p. 1474.
- Beating-engine. R. S. Fram. No. 1,103,280; July 14; Gaz. vol. 204; p. 416.
- Beating-engine and extracting apparatus for making cellulose. B. Loomis. No. 1,108,593; Aug. 25; Gaz. vol. 205; p. 1112.
- Bed. A. Brown. No. 1,104,619; July 21; Gaz. vol. 204; p. 920.
- Bed. J. Campbell. No. 1,122,251; Dec. 29; Gaz. vol. 209; p. 1326.
- Bed. F. J. Crouch. No. 1,088,970; Mar. 3; Gaz. vol. 200; p. 102.
- Bed. W. H. Frost. No. 1,099,140; June 2; Gaz. vol. 203; p. 262.
- Bed. F. M. Harris. No. 1,103,765; July 14; Gaz. vol. 204; p. 584.
- Bed. M. L. Hillyer. No. 1,095,397; May 5; Gaz. vol. 202; p. 76.
- Bed. L. C. Hunter. No. 1,113,996; Oct. 20; Gaz. vol. 207; p. 634.
- Bed. F. G. Kapelman. No. 1,092,446; Apr. 7; Gaz. vol. 201; p. 112.
- Bed. J. G. Laden. No. 1,108,515; Aug. 25; Gaz. vol. 205; p. 1165.
- Bed. J. A. Pussinen. No. 1,087,827; Feb. 17; Gaz. vol. 199; p. 878.
- Bed. G. F. Sisbower. No. 1,122,318; Dec. 29; Gaz. vol. 209; p. 1348.
- Bed. J. R. Smith and P. E. Williams. No. 1,088,468; Feb. 24; Gaz. vol. 199; p. 1144.
- Bed. T. H. Sorlien. No. 1,109,476; Sept. 1; Gaz. vol. 206; p. 218.
- Bed. A. K. Taylor. (Reissue.) No. 13,719; Apr. 21; Gaz. vol. 201; p. 860.
- Bed. T. R. Treiber. No. 1,088,305; Feb. 24; Gaz. vol. 199; p. 1090.
- Bed. F. A. Warner. No. 1,096,333; May 12; Gaz. vol. 202; p. 433.
- Bed. G. W. Yarrington. No. 1,098,419; June 2; Gaz. vol. 203; p. 22.
- Bed, Adjustable. W. F. Barbee. No. 1,110,865; Sept. 15; Gaz. vol. 206; p. 793.
- Bed, Adjustable. F. W. Kramer. No. 1,108,502; Aug. 25; Gaz. vol. 205; p. 1161.
- Bed and douche pan. W. E. Cuning. No. 1,085,549; Jan. 27; Gaz. vol. 198; p. 861.
- Bed and folding mechanism, Folding. H. D. Carter. No. 1,108,335; Aug. 25; Gaz. vol. 205; p. 1102.
- Bed and lounge, Combined folding. D. T. Owen. No. 1,121,128; Dec. 15; Gaz. vol. 209; p. 861.
- Bed and trunk, Combined. S. Haskes. No. 1,120,480; Dec. 8; Gaz. vol. 209; p. 585.
- Bed appliance, Hospital-. L. Witt. No. 1,096,981; May 19; Gaz. vol. 202; p. 696.
- Bed attachment. J. H. Boye. No. 1,107,749; Aug. 18; Gaz. vol. 205; p. 851.
- Bed attachment. F. L. Hooper. No. 1,100,303; June 16; Gaz. vol. 203; p. 746.
- Bed attachment. F. P. Miller. No. 1,087,806; Feb. 17; Gaz. vol. 199; p. 871.
- Bed-bottom. S. C. Chatham. No. 1,107,587; Aug. 18; Gaz. vol. 205; p. 793.
- Bed-bottom fabric. A. Rhenstrom. No. 1,089,155; Mar. 3; Gaz. vol. 200; p. 168.
- Bed-bottom, Spring. J. Hudry. No. 1,101,934; June 30; Gaz. vol. 203; p. 1412.
- Bed-bottom, Spring. J. P. Leggett. No. 1,089,233; Mar. 3; Gaz. vol. 200; p. 193.
- Bed-bottom, Spring. G. A. Mellon. No. 1,084,948; Jan. 20; Gaz. vol. 198; p. 621.
- Bed-bottom, Spring. G. A. Mellon. No. 1,094,373; Apr. 21; Gaz. vol. 201; p. 835.
- Bed-bottom, Spring. G. A. Mellon. No. 1,103,526; July 14; Gaz. vol. 204; p. 498.
- Bed-brace. W. G. Waters. No. 1,117,116; Nov. 10; Gaz. vol. 208; p. 612.
- Bed cabinet, Wardrobe-. M. Kreczkowski. No. 1,121,636; Dec. 22; Gaz. vol. 209; p. 1072.
- Bed, Ceiling-. T. H. Sorlien. No. 1,116,854; Nov. 10; Gaz. vol. 208; p. 524.
- Bed, Collapsible. Z. C. Angevine. No. 1,101,481; June 23; Gaz. vol. 203; p. 1203.
- Bed, Collapsible. P. W. Kreuzkamp. No. 1,119,835; Dec. 8; Gaz. vol. 209; p. 357.
- Bed, Combination folding. S. Karpen. No. 1,115,316; Oct. 27; Gaz. vol. 207; p. 1154.
- Bed, Compartment-. W. R. Fillmore and E. Boillot. No. 1,091,495; Mar. 31; Gaz. vol. 200; p. 1130.
- Bed, Concealable. O. B. Burns. No. 1,086,022; Feb. 3; Gaz. vol. 199; p. 159.
- Bed construction. R. R. Kimball. No. 1,114,486; Oct. 20; Gaz. vol. 207; p. 812.
- Bed, Convertible chair-. G. Anderson. No. 1,083,424; Jan. 6; Gaz. vol. 198; p. 56.
- Bed cooler or heater. G. F. Shepard. No. 1,089,277; Mar. 3; Gaz. vol. 200; p. 206.
- Bed-corner. A. Elkins and M. Persten. No. 1,119,690; Dec. 1; Gaz. vol. 209; p. 272.
- Bed, Couch-. O. Gasau and O. Marklein. No. 1,107,665; Aug. 18; Gaz. vol. 205; p. 822.
- Bed, Couch-. W. S. Morris. No. 1,095,466; May 5; Gaz. vol. 202; p. 101.
- Bed-couch. G. H. St. Clair. No. 1,119,053; Dec. 1; Gaz. vol. 209; p. 55.
- Bed-cover and automobile-robe holder. W. Lewis. No. 1,109,432; Sept. 1; Gaz. vol. 206; p. 204.
- Bed-cover holder. H. C. Ewald. No. 1,103,494; July 14; Gaz. vol. 204; p. 487.
- Bed-covering-sustaining means. E. Zimmermann. No. 1,112,514; Oct. 6; Gaz. vol. 207; p. 36.
- Bed, Crib-. T. Carlson. No. 1,094,303; Apr. 21; Gaz. vol. 201; p. 813.
- Bed, Davenport-. J. F. Brezinski. No. 1,087,718; Feb. 17; Gaz. vol. 199; p. 843.
- Bed, Davenport-. J. F. Brezinski. No. 1,088,258; Feb. 24; Gaz. vol. 199; p. 1073.
- Bed, Davenport-. H. and N. M. Freedman. No. 1,108,983; Sept. 1; Gaz. vol. 206; p. 44.
- Bed, Davenport-. T. B. Schulte. No. 1,093,565; Apr. 14; Gaz. vol. 201; p. 522.
- Bed, Davenport-. T. B. Schulte. No. 1,093,949; Apr. 21; Gaz. vol. 201; p. 696.
- Bed-davenport. A. C. Klopping. No. 1,098,910; June 2; Gaz. vol. 203; p. 188.
- Bed, Davenport wall-. W. Westphal. No. 1,121,543; Dec. 15; Gaz. vol. 209; p. 1003.
- Bed, Disappearing. J. C. and H. W. Beach. No. 1,110,526; Sept. 15; Gaz. vol. 206; p. 673.

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- Bed, Disappearing. A. D. Blake. No. 1,099,962; June 16; Gaz. vol. 203; p. 626.
- Bed, Disappearing. J. A. Dewey. No. 1,097,751; May 26; Gaz. vol. 202; p. 1009.
- Bed, Disappearing. E. S. McWhinney. No. 1,118,788; Nov. 24; Gaz. vol. 208; p. 1277.
- Bed, Disappearing. W. L. Murphy. No. 1,083,504; Jan. 6; Gaz. vol. 198; p. 81.
- Bed, Disappearing. F. W. Olsen. No. 1,108,215; Aug. 25; Gaz. vol. 205; p. 1060.
- Bed, Expansible. J. Kepko. No. 1,101,288; June 23; Gaz. vol. 203; p. 1137.
- Bed, Extensible. A. Tomko. No. 1,101,361; June 23; Gaz. vol. 203; p. 1162.
- Bed, Extension-. J. Rudolph. No. 1,096,760; May 12; Gaz. vol. 202; p. 575.
- Bed fabric. J. J. Mangel and H. J. Willems. No. 1,100,384; June 16; Gaz. vol. 203; p. 773.
- Bed, Folding. E. L. Blackman and R. J. Miller. No. 1,114,849; Oct. 27; Gaz. vol. 207; p. 989.
- Bed, Folding. H. E. Dautrich. No. 1,087,573; Feb. 17; Gaz. vol. 199; p. 791.
- Bed, Folding. J. N. Farlow. No. 1,087,285; Feb. 17; Gaz. vol. 199; p. 690.
- Bed, Folding. W. R. Fillmore and E. Boillot. No. 1,091,494; Mar. 31; Gaz. vol. 200; p. 1130.
- Bed, Folding. J. M. Gardner. No. 1,085,562; Jan. 27; Gaz. vol. 198; p. 865.
- Bed, Folding. A. Hirsh. No. 1,093,329; Apr. 14; Gaz. vol. 201; p. 449.
- Bed, Folding. O. A. Honsinger. No. 1,085,911; Feb. 3; Gaz. vol. 199; p. 117.
- Bed, Folding. A. Kallio. No. 1,097,100; May 19; Gaz. vol. 202; p. 738.
- Bed, Folding. T. A. Killman and J. R. Stark. No. 1,087,497; Feb. 17; Gaz. vol. 199; p. 764.
- Bed, Folding. C. J. Kindel. No. 1,118,556; Nov. 24; Gaz. vol. 208; p. 1199.
- Bed, Folding. C. J. Kindel. No. 1,120,942; Dec. 15; Gaz. vol. 209; p. 795.
- Bed, Folding. W. W. La Vanway. No. 1,105,203; July 28; Gaz. vol. 204; p. 1170.
- Bed, Folding. R. B. Page. No. 1,087,679; Feb. 17; Gaz. vol. 199; p. 829.
- Bed, Folding. L. E. Pittoni. No. 1,090,340; Mar. 17; Gaz. vol. 200; p. 662.
- Bed, Folding. G. F. Sisbower. No. 1,087,613; Feb. 17; Gaz. vol. 199; p. 804.
- Bed, Folding cot-. A. S. Meadoff. No. 1,110,812; Sept. 15; Gaz. vol. 206; p. 774.
- Bed, Folding sofa-. A. C. Bell. No. 1,101,988; June 30; Gaz. vol. 203; p. 1432.
- Bed frame, Doll-. W. A. Reddick. No. 1,112,934; Oct. 6; Gaz. vol. 207; p. 182.
- Bed, Gravity-. T. H. Jervis. No. 1,111,654; Sept. 22; Gaz. vol. 206; p. 1108.
- Bed head-rest. A. C. Noble. No. 1,092,850; Apr. 14; Gaz. vol. 201; p. 285.
- Bed-heater. E. Caldani. No. 1,086,992; Feb. 10; Gaz. vol. 199; p. 537.
- Bed, Invalid-. J. A. Gosnell and J. Olson. No. 1,089,208; Mar. 3; Gaz. vol. 200; p. 185.
- Bed, Invalid-. J. R. Phillips. No. 1,108,617; Aug. 25; Gaz. vol. 205; p. 1200.
- Bed-joint. O. P. and G. A. Hiller. No. 1,099,600; June 9; Gaz. vol. 203; p. 465.
- Bed-joint. A. Polansky. No. 1,099,764; June 9; Gaz. vol. 203; p. 521.
- Bed-leg, Swinging. F. J. Crouch and S. B. Cooke. No. 1,104,249; July 21; Gaz. vol. 204; p. 790.
- Bed-movement. V. Lynnequest. No. 1,095,120; Apr. 28; Gaz. vol. 201; p. 1156.
- Bed, Open-air-sleeping. E. C. Andrews. No. 1,108,060; Aug. 18; Gaz. vol. 205; p. 958.
- Bed or arm-chair bed, Sofa-. G. Puccia. No. 1,098,169; May 26; Gaz. vol. 202; p. 1155.
- Bed-pan. J. Burkam. No. 1,093,530; Apr. 14; Gaz. vol. 201; p. 512.
- Bed-pan. A. B. Knowlton. No. 1,091,352; Mar. 24; Gaz. vol. 200; p. 1038.
- Bed-pans, Means for emptying and cleansing. R. P. Barnstead. No. 1,096,591; May 12; Gaz. vol. 202; p. 518.
- Bed-partition. F. W. Roberti. No. 1,094,679; Apr. 28; Gaz. vol. 201; p. 1005.
- Bed, Pivoted. J. A. Souther. No. 1,113,144; Oct. 6; Gaz. vol. 207; p. 252.
- Bed, Portable folding. R. H. Anderson. No. 1,089,370; Mar. 3; Gaz. vol. 200; p. 236.
- Bed-rail fastening. M. B. Okun. No. 1,083,938; Jan. 13; Gaz. vol. 198; p. 252.
- Bed-screen. D. J. McLaird. No. 1,119,621; Dec. 1; Gaz. vol. 209; p. 249.
- Bed-slat fastener. T. G. Crissman. No. 1,093,542; Apr. 14; Gaz. vol. 201; p. 516.
- Bed, Sofa-. H. D. Bartlett. No. 1,108,858; Aug. 25; Gaz. vol. 205; p. 1283.
- Bed, Sofa-. H. D. Bartlett. No. 1,115,769; Nov. 3; Gaz. vol. 208; p. 102.
- Bed, Sofa-. F. M. Davis. No. 1,120,911; Dec. 15; Gaz. vol. 209; p. 785.
- Bed, Sofa-. G. M. B. Hawley. No. 1,090,474; Mar. 17; Gaz. vol. 200; p. 710.
- Bed, Sofa-. G. M. B. Hawley. No. 1,090,475; Mar. 17; Gaz. vol. 200; p. 711.
- Bed, Sofa-. L. E. Weinmann. No. 1,120,349; Dec. 8; Gaz. vol. 209; p. 538.
- Bed, Sofa and chair. W. S. Morris. No. 1,095,465; May 5; Gaz. vol. 202; p. 100.
- Bed, Sofa or davenport. U. S. Henderson. No. 1,111,457; Sept. 22; Gaz. vol. 206; p. 1039.
- Bed, Sofa or davenport. A. G. Sharp. No. 1,121,298; Dec. 15; Gaz. vol. 209; p. 918.
- Bed-spring. T. C. Carey. No. 1,122,252; Dec. 29; Gaz. vol. 209; p. 1326.
- Bed-spring. S. C. Chatham. No. 1,121,163; Dec. 15; Gaz. vol. 209; p. 874.
- Bed-spring. G. Gray. No. 1,093,402; Apr. 14; Gaz. vol. 201; p. 475.
- Bed-spring. C. Hulpian. No. 1,120,501; Dec. 8; Gaz. vol. 209; p. 591.
- Bed-spring. R. J. Kelly. No. 1,088,996; Mar. 3; Gaz. vol. 200; p. 111.
- Bed-spring. W. Lewis. No. 1,111,075; Sept. 22; Gaz. vol. 206; p. 909.
- Bed-spring. W. Lewis. No. 1,111,076; Sept. 22; Gaz. vol. 206; p. 909.
- Bed-spring. P. F. Malley, A. P. Brewer, and R. B. Hosner. No. 1,122,015; Dec. 22; Gaz. vol. 209; p. 1206.
- Bed-spring. J. Schwartzman. No. 1,115,587; Nov. 3; Gaz. vol. 208; p. 40.
- Bed-spring. M. Sleeth. No. 1,097,885; May 26; Gaz. vol. 202; p. 1056.
- Bed, Spring-. A. A. Chapman. No. 1,117,789; Nov. 17; Gaz. vol. 208; p. 892.
- Bed, Spring-. W. Shannon. No. 1,089,976; Mar. 10; Gaz. vol. 200; p. 494.
- Bed-spring border. C. M. Way. No. 1,105,318; July 28; Gaz. vol. 204; p. 1211.
- Bed-spring corner-bracket. E. H. Woelfel. No. 1,104,336; July 21; Gaz. vol. 204; p. 821.
- Bed-spring fabric. H. F. Hager. No. 1,110,774; Sept. 15; Gaz. vol. 206; p. 760.
- Bed-spring fabric. J. Hoey. No. 1,094,787; Apr. 28; Gaz. vol. 201; p. 1043.
- Bed-spring, Folding. R. Duncan. No. 1,113,316; Oct. 13; Gaz. vol. 207; p. 358.
- Bed spring-frame. F. E. Sloan. No. 1,095,169; Apr. 28; Gaz. vol. 201; p. 1176.
- Bed-spring, Pneumatic. J. J. Lisbae. No. 1,089,652; Mar. 10; Gaz. vol. 200; p. 383.
- Bed-spring tightener. M. A. Gilmour. No. 1,096,710; May 12; Gaz. vol. 202; p. 557.
- Bed-spring tightener. W. G. Legg. No. 1,115,552; Nov. 3; Gaz. vol. 208; p. 29.
- Bed-spring tightener. A. Ponton. No. 1,089,007; Mar. 3; Gaz. vol. 200; p. 114.
- Bed-spring tightener. O. A. Warwick and O. O. Campbell. No. 1,102,111; June 30; Gaz. vol. 203; p. 1477.
- Bed-springs, Sanitary cleaner for. M. I. Gambill. No. 1,100,367; June 16; Gaz. vol. 203; p. 767.
- Bed, Stamped-steel couch-. C. L. Plunkett. No. 1,099,514; June 9; Gaz. vol. 203; p. 435.
- Bed-support, Adjustable. W. J. Curtis. No. 1,092,698; Apr. 7; Gaz. vol. 201; p. 197.
- Bed-table, Adjustable. F. W. Davis. No. 1,118,746; Nov. 24; Gaz. vol. 208; p. 1264.
- Bed, Upending. L. Holmes. No. 1,102,585; July 7; Gaz. vol. 204; p. 128.
- Bed, Vibratory. A. R. Gibson and G. H. Ferguson. No. 1,110,920; Sept. 15; Gaz. vol. 206; p. 812.
- Bed, Wall-. P. Barnum. No. 1,097,903; May 26; Gaz. vol. 202; p. 1064.
- Bed, Wall-. W. T. Bonner. No. 1,121,789; Dec. 22; Gaz. vol. 209; p. 1125.
- Bed, Wall-. H. C. Mulvaney. (Reissue.) No. 13,736; May 26; Gaz. vol. 202; p. 1226.
- Bed, Wall-. W. A. Snyder. No. 1,094,684; Apr. 28; Gaz. vol. 201; p. 1007.
- Bed-warming appliance. T. C. Mitchell. No. 1,121,277; Dec. 15; Gaz. vol. 209; p. 911.
- Beds, Adjustable compartment for. N. D. Bishop. No. 1,113,871; Oct. 13; Gaz. vol. 207; p. 553.
- Beds, Adjustable head and back rest for. D. B. Allen. No. 1,098,209; May 26; Gaz. vol. 202; p. 1169.
- Beds, Canopy for open-window sleeping. W. L. Rice. No. 1,088,726; Mar. 3; Gaz. vol. 200; p. 19.
- Beds, Partition for. A. Schwarz. No. 1,092,298; Apr. 7; Gaz. vol. 201; p. 61.
- Beds, Table attachment for. C. W. Thorniley. No. 1,096,327; May 12; Gaz. vol. 202; p. 431.
- Bedclothes-holder. M. C. Irwin. No. 1,083,493; Jan. 6; Gaz. vol. 198; p. 77.
- Bedclothes-holder. A. L. Worthley. No. 1,092,468; Apr. 7; Gaz. vol. 201; p. 119.
- Bedpost-bracket. A. Sondack. No. 1,113,703; Oct. 13; Gaz. vol. 207; p. 493.
- Bedpost-bracket. A. Sondack. No. 1,117,714; Nov. 17; Gaz. vol. 208; p. 865.
- Bedpost-fastening. E. Poeppel. No. 1,106,677; Aug. 11; Gaz. vol. 205; p. 426.

Alphabetical list of inventions—Continued.

- Bedposts and the like, Finishing cap, knob, or vase for. R. Bradshaw. No. 1,111,945; Sept. 29; Gaz. vol. 206; p. 1246.
- Bedside with reversible lock for wooden beds. Metal. H. J. Cordle. No. 1,094,980; Apr. 28; Gaz. vol. 201; p. 1111.
- Bedstead. P. J. Fagan. No. 1,093,774; Apr. 21; Gaz. vol. 201; p. 637.
- Bedstead. L. J. Judge. No. 1,095,878; May 5; Gaz. vol. 202; p. 240.
- Bedstead. W. Lewis. No. 1,086,828; Feb. 10; Gaz. vol. 199; p. 481.
- Bedstead. J. G. Manz. No. 1,100,757; June 23; Gaz. vol. 203; p. 952.
- Bedstead. A. Profeto and H. E. Gross. No. 1,108,620; Aug. 25; Gaz. vol. 205; p. 1201.
- Bedstead. E. J. Robison. No. 1,102,956; July 7; Gaz. vol. 204; p. 254.
- Bedstead and mattress. W. Katzenberger. No. 1,088,589; Feb. 24; Gaz. vol. 199; p. 1182.
- Bedstead and the like. R. J. Sutton. No. 1,092,606; Apr. 7; Gaz. vol. 201; p. 167.
- Bedstead attachment. T. A. Thompson. No. 1,088,800; Mar. 3; Gaz. vol. 200; p. 43.
- Bedstead corner-bracket. M. Rosenberg. No. 1,120,413; Dec. 8; Gaz. vol. 209; p. 560.
- Bedstead corner-fastener. O. S. Foster. No. 1,086,520; Feb. 10; Gaz. vol. 199; p. 374.
- Bedstead corner-fastener. W. C. Murray. No. 1,116,906; Nov. 10; Gaz. vol. 208; p. 541.
- Bedstead corner-fastening. A. Wolf. No. 1,098,869; June 2; Gaz. vol. 203; p. 173.
- Bedstead corner-post construction. G. G. Powers. No. 1,088,447; Feb. 24; Gaz. vol. 199; p. 1137.
- Bedstead end. A. C. Noble. No. 1,096,316; May 12; Gaz. vol. 202; p. 426.
- Bedstead extension. O. R. Cassell. No. 1,105,487; July 28; Gaz. vol. 204; p. 1272.
- Bedstead, Invalid. R. A. Stanley. No. 1,104,390; July 21; Gaz. vol. 204; p. 839.
- Bedstead-joint. J. Duke. No. 1,122,265; Dec. 29; Gaz. vol. 209; p. 1331.
- Bedstead, Metal. J. M. Adams. No. 1,083,346; Jan. 6; Gaz. vol. 198; p. 29.
- Bedstead side, Detachable. W. F. Wellman. No. 1,093,958; Apr. 21; Gaz. vol. 201; p. 699.
- Bedsteads and cots, Corner-fitting of metallic. A. Lawrence. No. 1,095,892; May 5; Gaz. vol. 202; p. 244.
- Bedsteads, Means for moving. A. Lawrence. No. 1,085,444; Jan. 27; Gaz. vol. 198; p. 828.
- Bedsteads, Tray-holding attachment for. S. A. Beechie. No. 1,115,273; Oct. 27; Gaz. vol. 207; p. 1139.
- Bee-culture apparatus. H. H. Thale. No. 1,108,277; Aug. 25; Gaz. vol. 205; p. 1082.
- Bee-escape. H. D. Rogers. No. 1,089,157; Mar. 3; Gaz. vol. 200; p. 169.
- Bee-smoker. L. R. Morris. No. 1,101,466; June 23; Gaz. vol. 203; p. 1198.
- Bee-trap, Separable reversible. A. C. Douglass. No. 1,113,886; Oct. 13; Gaz. vol. 207; p. 558.
- Beehive. C. Bachmann. No. 1,103,468; July 14; Gaz. vol. 204; p. 478.
- Beehive. F. Danzenbaker. No. 1,122,697; Dec. 29; Gaz. vol. 209; p. 1479.
- Beehive. V. V. Gamallo. No. 1,117,180; Nov. 17; Gaz. vol. 208; p. 675.
- Beehive. L. Gorsuch. No. 1,099,295; June 9; Gaz. vol. 203; p. 360.
- Beehive. G. C. Rahn. No. 1,116,919; Nov. 10; Gaz. vol. 208; p. 545.
- Beehive. G. C. Rahn. No. 1,116,920; Nov. 10; Gaz. vol. 208; p. 546.
- Beehive. G. C. Rahn. No. 1,116,921; Nov. 10; Gaz. vol. 208; p. 546.
- Beehive. G. C. Rahn. No. 1,116,922; Nov. 10; Gaz. vol. 208; p. 546.
- Beehive. G. C. Rahn. No. 1,116,923; Nov. 10; Gaz. vol. 208; p. 547.
- Beehive. C. G. Schamu. No. 1,100,847; June 23; Gaz. vol. 203; p. 984.
- Beehive. S. G. Stevens. No. 1,097,597; May 19; Gaz. vol. 202; p. 909.
- Beehive. G. T. Whitten. No. 1,085,775; Feb. 3; Gaz. vol. 199; p. 71.
- Beer and hop separator. M. R. Irrgang. No. 1,106,450; Aug. 11; Gaz. vol. 205; p. 343.
- Beer and hops separator. G. F. Rauch. No. 1,092,538; Apr. 7; Gaz. vol. 201; p. 142.
- Beer-carbonating device. G. P. Thumm. No. 1,100,036; June 16; Gaz. vol. 203; p. 651.
- Beer-case-cover holder. H. Braun. No. 1,086,889; Feb. 10; Gaz. vol. 199; p. 503.
- Beer-cases and the like, Cover for. P. T. Clark. No. 1,102,877; July 7; Gaz. vol. 204; p. 228.
- Beer-cooler. C. Bieger. No. 1,088,763; Mar. 3; Gaz. vol. 200; p. 30.
- Beer-cooler. W. J. and H. A. Bocker. No. 1,099,910; June 16; Gaz. vol. 203; p. 608.
- Beer-cooler. J. Mosher. No. 1,104,997; July 28; Gaz. vol. 204; p. 1098.
- Beer-dispenser. W. J. Costello. No. 1,105,881; Aug. 4; Gaz. vol. 205; p. 103.
- Beer, Manufacture of temperance. R. Wahl. No. 1,117,613; Nov. 17; Gaz. vol. 208; p. 826.
- Beet-blocker. H. W. and A. G. Gribler. No. 1,089,210; Mar. 3; Gaz. vol. 200; p. 185.
- Beet puller and topper. D. Olson. No. 1,094,742; Apr. 28; Gaz. vol. 201; p. 1028.
- Beet puller and topper, Combined. A. B. Cross. No. 1,108,341; Aug. 25; Gaz. vol. 205; p. 1104.
- Beet-puller, Riding. K. Daetweiler. No. 1,097,917; May 26; Gaz. vol. 202; p. 1070.
- Beet pulling and topping machine. W. Brandis. No. 1,111,210; Sept. 22; Gaz. vol. 206; p. 955.
- Beet pulling and topping machine. A. C. Douglass. No. 1,099,540; June 9; Gaz. vol. 203; p. 445.
- Beet pulling and topping machine. J. B. Serres. No. 1,114,390; Oct. 20; Gaz. vol. 207; p. 775.
- Beet-pulling machine. W. L. Herington. No. 1,098,350; May 26; Gaz. vol. 202; p. 1219.
- Beet-topper. W. R. Gardner. No. 1,107,603; Aug. 18; Gaz. vol. 205; p. 799.
- Beet-topper. H. Harrison. No. 1,095,110; Apr. 28; Gaz. vol. 201; p. 1153.
- Beet topper and harvester. H. E. Williams. No. 1,099,414; June 9; Gaz. vol. 203; p. 402.
- Beet topping and digging machine. R. E. Fowler and E. L. Vermilya. No. 1,091,823; Mar. 31; Gaz. vol. 200; p. 1245.
- Beet-topping device. O. P. Huish. No. 1,121,839; Dec. 22; Gaz. vol. 209; p. 1144.
- Beet-topping device, Sugar-. F. R. Sutton. No. 1,101,584; June 30; Gaz. vol. 203; p. 1291.
- Beetling-machine. T. O. Arnfield and W. Booth. No. 1,090,590; Mar. 17; Gaz. vol. 200; p. 750.
- Beetling-machine. H. T. Marsden and F. Jarvis. No. 1,095,901; May 5; Gaz. vol. 202; p. 247.
- Bell. H. Maytrott. No. 1,108,103; Aug. 18; Gaz. vol. 205; p. 974.
- Bell and burglar-alarm, Combined door-. C. B. Pace. No. 1,096,855; May 19; Gaz. vol. 202; p. 651.
- Bell, Call-. H. G. Webster. No. 1,090,436; Mar. 17; Gaz. vol. 200; p. 698.
- Bell, Electric. S. C. Bryant. No. 1,121,067; Dec. 15; Gaz. vol. 209; p. 839.
- Bell, Electric. W. J. Cook and M. W. Breuer. No. 1,109,969; Sept. 8; Gaz. vol. 206; p. 435.
- Bell, Electric. C. W. Dunham. No. 1,117,484; Nov. 17; Gaz. vol. 208; p. 783.
- Bell, Electric. S. Oliver. No. 1,098,834; June 2; Gaz. vol. 203; p. 161.
- Bell, Electric. H. E. Reeve. No. 1,086,083; Feb. 3; Gaz. vol. 199; p. 181.
- Bell, Electric. C. J. Schwarze. No. 1,091,898; Mar. 31; Gaz. vol. 200; p. 1270.
- Bell, Electromagnetic. E. W. Vogel. No. 1,091,548; Mar. 31; Gaz. vol. 200; p. 1148.
- Bell for gas-lights. J. D. Kantro. No. 1,102,592; July 7; Gaz. vol. 204; p. 130.
- Bell, Musical. J. C. Deagan. No. 1,100,672; June 16; Gaz. vol. 203; p. 868.
- Bell-ringer. C. A. Bates. No. 1,114,671; Oct. 20; Gaz. vol. 207; p. 872.
- Bell-ringer. J. E. Scovill. No. 1,094,170; Apr. 21; Gaz. vol. 201; p. 772.
- Bell-ringer, Electric. W. V. Bergen and G. C. Combs. No. 1,110,870; Sept. 15; Gaz. vol. 206; p. 795.
- Bell-ringing apparatus. W. F. Wacker. No. 1,091,902; Mar. 31; Gaz. vol. 200; p. 1271.
- Bell, Sleigh-. C. B. Wanamaker. No. 1,084,718; Jan. 20; Gaz. vol. 198; p. 545.
- Bell-striking device. F. H. Kane. No. 1,102,340; July 7; Gaz. vol. 204; p. 42.
- Bellows, Feeder-. F. G. Lynde. No. 1,098,453; June 2; Gaz. vol. 203; p. 34.
- Belt. R. P. Grant. No. 1,093,263; Apr. 14; Gaz. vol. 201; p. 427.
- Belt. W. W. Spadone. No. 1,100,406; June 16; Gaz. vol. 203; p. 781.
- Belt, Abdominal. C. Atonna. No. 1,097,383; May 19; Gaz. vol. 202; p. 837.
- Belt, Apparel-. W. A. Simmons. No. 1,084,565; Jan. 13; Gaz. vol. 198; p. 462.
- Belt, Bean-sorting. O. Sutter. No. 1,085,179; Jan. 27; Gaz. vol. 198; p. 737.
- Belt-clamp. J. W. Whitchee. No. 1,115,993; Nov. 3; Gaz. vol. 208; p. 180.
- Belt-clamping device. F. W. Schroeder. No. 1,086,090; Feb. 3; Gaz. vol. 199; p. 183.
- Belt-clasp. C. E. Sackett. No. 1,086,633; Feb. 3; Gaz. vol. 199; p. 19.
- Belt, Concentrator-. R. N. Church. No. 1,100,654; June 16; Gaz. vol. 203; p. 862.
- Belt-coupling. P. Reinhalter. No. 1,098,054; May 26; Gaz. vol. 202; p. 1117.
- Belt-coupling, Detachable. J. Baum. No. 1,119,222; Dec. 1; Gaz. vol. 209; p. 112.
- Belt-cutter. P. H. Parker. No. 1,093,070; Apr. 14; Gaz. vol. 201; p. 359.
- Belt-cutting machine. L. G. Ward. No. 1,092,547; Apr. 7; Gaz. vol. 201; p. 146.

Alphabetical list of inventions—Continued.

- Belt, Driving-. H. Hess. No. 1,113,438; Oct. 13; Gaz. vol. 207; p. 402.
- Belt driving mechanism. H. Allen. No. 1,121,599; Dec. 22; Gaz. vol. 209; p. 1059.
- Belt fabric, Athletic-. L. A. Fritsch. No. 1,119,944; Dec. 8; Gaz. vol. 209; p. 394.
- Belt-fastener. J. K. Diamond. No. 1,094,131; Apr. 21; Gaz. vol. 201; p. 757.
- Belt-fastener. C. S. Eaton. No. 1,106,790; Aug. 11; Gaz. vol. 205; p. 465.
- Belt-fastener. J., Jr., and J. Evans. No. 1,087,777; Feb. 17; Gaz. vol. 199; p. 861.
- Belt-fastener-setting machine. J. K. Diamond. No. 1,094,132; Apr. 21; Gaz. vol. 201; p. 757.
- Belt-fastening. W. E. Candy. No. 1,097,001; May 19; Gaz. vol. 202; p. 702.
- Belt-fastening. G. E. Purple. No. 1,092,859; Apr. 14; Gaz. vol. 201; p. 288.
- Belt-fastening device. C. C. Howell. No. 1,105,273; July 28; Gaz. vol. 204; p. 1195.
- Belt for catamenial sacks. C. Johnson. No. 1,104,674; July 21; Gaz. vol. 204; p. 938.
- Belt for sprocket-gearing. P. Diehl. No. 1,121,987; Dec. 22; Gaz. vol. 209; p. 1196.
- Belt, Form-. A. E. Hannan. No. 1,115,927; Nov. 3; Gaz. vol. 208; p. 157.
- Belt, Garment-holding. S. H. Thorp. No. 1,095,947; May 5; Gaz. vol. 202; p. 262.
- Belt-guide. O. Bergerson. No. 1,086,885; Feb. 10; Gaz. vol. 199; p. 502.
- Belt guide and throwing device. B. H. Pickett. No. 1,116,478; Nov. 10; Gaz. vol. 208; p. 386.
- Belt-hook. J. K. Diamond. No. 1,114,237; Oct. 20; Gaz. vol. 207; p. 721.
- Belt, Life-. G. M. Andersen. No. 1,112,186; Sept. 29; Gaz. vol. 206; p. 1327.
- Belt, Lineman's. E. B. Holsclaw. No. 1,120,496; Dec. 8; Gaz. vol. 209; p. 589.
- Belt, Link brake-. J. Dupuis. No. 1,085,029; Jan. 20; Gaz. vol. 198; p. 649.
- Belt-loop. H. F. Niles. No. 1,099,759; June 9; Gaz. vol. 203; p. 519.
- Belt-machine. G. L. Mark. No. 1,094,801; Apr. 28; Gaz. vol. 201; p. 1047.
- Belt, Massage-. D. B. Catlin. No. 1,106,493; Aug. 11; Gaz. vol. 205; p. 360.
- Belt, Metallic power-. E. A. Bohlman. No. 1,106,355; Aug. 4; Gaz. vol. 205; p. 265.
- Belt, Metallic power-. E. A. Bohlman. No. 1,106,356; Aug. 4; Gaz. vol. 205; p. 265.
- Belt, Metallic power-. E. A. Bohlman. No. 1,113,536; Oct. 13; Gaz. vol. 207; p. 437.
- Belt, Metallic power-. E. A. Bohlman. No. 1,113,746; Oct. 13; Gaz. vol. 207; p. 509.
- Belt, Metallic power-. E. A. Bohlman. No. 1,114,850; Oct. 27; Gaz. vol. 207; p. 989.
- Belt, Metallic power-. A. F. McClatchey. No. 1,096,851; May 19; Gaz. vol. 202; p. 649.
- Belt sanding-machine. F. Schimmel. No. 1,114,652; Oct. 20; Gaz. vol. 207; p. 866.
- Belt separator and tightener, Combined. K. Buxbaum. No. 1,099,691; June 9; Gaz. vol. 203; p. 498.
- Belt-shifter. S. Moe. No. 1,118,434; Nov. 24; Gaz. vol. 208; p. 1156.
- Belt-shifter. J. R. Pearson. No. 1,104,218; July 21; Gaz. vol. 204; p. 780.
- Belt-shifter. A. C. Pletz. No. 1,089,152; Mar. 3; Gaz. vol. 200; p. 167.
- Belt-shifter. L. S. Tigh. No. 1,102,612; July 7; Gaz. vol. 204; p. 137.
- Belt-splice. F. La Belle. No. 1,083,544; Jan. 6; Gaz. vol. 198; p. 95.
- Belt-stretcher. G. H. Ermisch. No. 1,084,139; Jan. 13; Gaz. vol. 198; p. 323.
- Belt-support, Conveyer-. F. R. Willson. No. 1,088,195; Feb. 24; Gaz. vol. 199; p. 1053.
- Belt support, Conveyer-. F. R. Willson, Jr. No. 1,088,644; Feb. 24; Gaz. vol. 199; p. 1201.
- Belt, Supporting-. E. Guggenheim. No. 1,104,664; July 21; Gaz. vol. 204; p. 935.
- Belt-tightener. A. Haeuser. No. 1,097,093; May 19; Gaz. vol. 202; p. 736.
- Belt-tightener. J. H. Sewall. No. 1,108,085; Aug. 18; Gaz. vol. 205; p. 967.
- Belt, Traction-. C. L. Tolles. No. 1,106,596; Aug. 11; Gaz. vol. 205; p. 398.
- Belt, Trap-. A. J. Kull. No. 1,108,764; Aug. 25; Gaz. vol. 205; p. 1249.
- Belts, Combined point and bolt for. J. A. Guffee. No. 1,115,307; Oct. 27; Gaz. vol. 207; p. 1151.
- Belts, Steel slat for. F. Johnson. No. 1,095,876; May 5; Gaz. vol. 202; p. 240.
- Belting and making the same. R. Parker. No. 1,099,763; June 9; Gaz. vol. 203; p. 520.
- Belting, Leather. E. Blossfeld. No. 1,104,341; July 21; Gaz. vol. 204; p. 823.
- Belting, &c., Material for. E. L. Burrell. No. 1,116,237; Nov. 3; Gaz. vol. 208; p. 263.
- Bench: See Carpenter's bench; Combination-bench; Machine-bench; Piano-bench; Piano or organ bench; Retort-bench; Shoemaker's work-bench; Washbench; Work-bench.
- Bench-drill. G. O. Leopold. No. 1,087,794; Feb. 17; Gaz. vol. 199; p. 866.
- Bench-drill. G. O. Leopold. No. 1,103,782; July 14; Gaz. vol. 204; p. 590.
- Bench-leg. R. S. Brown. No. 1,097,164; May 19; Gaz. vol. 202; p. 761.
- Bending-machine. T. F. Philippi. No. 1,097,874; May 26; Gaz. vol. 202; p. 1051.
- Bending-machine. G. V. Plante. No. 1,088,619; Feb. 24; Gaz. vol. 199; p. 1192.
- Bending device. C. M. Hoffman. No. 1,119,961; Dec. 8; Gaz. vol. 209; p. 400.
- Berry-box. J. W. Rose. No. 1,109,468; Sept. 1; Gaz. vol. 206; p. 216.
- Berry-box. C. R. Van Osdel. No. 1,101,479; June 23; Gaz. vol. 203; p. 1203.
- Berry-box, Folding. L. Apell. No. 1,122,054; Dec. 22; Gaz. vol. 209; p. 1220.
- Berry-rake. E. D. Leighton. No. 1,084,805; Jan. 20; Gaz. vol. 198; p. 574.
- Berth, Steamer-. F. Bendix. No. 1,122,188; Dec. 22; Gaz. vol. 209; p. 1263.
- Beta - acetylalkylene - tetraalkyldiamins. G. Merling, O. Chrzescinski, and H. Köhler. No. 1,101,754; June 30; Gaz. vol. 203; p. 1348.
- Bevel. N. B. McGrath. No. 1,121,195; Dec. 15; Gaz. vol. 209; p. 884.
- Bevel-gage for squares. T. Lewis. No. 1,104,123; July 21; Gaz. vol. 204; p. 748.
- Bevel-gear blanks and other objects with inclined surfaces, Tool for machining. J. C. Potter. No. 1,109,301; Sept. 1; Gaz. vol. 206; p. 157.
- Beverage and making said material, Material for use in making a. M. S. Kenney and J. C. Holzhauser. No. 1,117,855; Nov. 17; Gaz. vol. 208; p. 914.
- Beverage extract. J. M. Allison. No. 1,093,962; Apr. 21; Gaz. vol. 201; p. 700.
- Beverage extract. W. H. Post. No. 1,098,683; June 2; Gaz. vol. 203; p. 112.
- Beverage extracts, Manufacture of. J. L. Kellogg. (Reissue.) No. 13,847; Dec. 15; Gaz. vol. 209; p. 1024.
- Beverage-shaker. S. H. Gale. No. 1,094,712; Apr. 28; Gaz. vol. 201; p. 1018.
- Beverages, Manufacture of non-alcoholic. C. R. Wagner. No. 1,084,833; Jan. 20; Gaz. vol. 198; p. 583.
- Bib. C. Dudley. No. 1,108,557; Aug. 25; Gaz. vol. 205; p. 1180.
- Bicycle. C. R. Kiefer. No. 1,109,424; Sept. 1; Gaz. vol. 206; p. 202.
- Bicycle. W. Robinson. (Reissue.) No. 13,690; Feb. 17; Gaz. vol. 199; p. 908.
- Bicycle and motor-cycle front-wheel holder. F. W. Joell. No. 1,121,843; Dec. 22; Gaz. vol. 209; p. 1145.
- Bicycle and the like pedal. R. H. Gulleford. No. 1,109,585; Sept. 1; Gaz. vol. 206; p. 255.
- Bicycle-brake. F. D. Reid. No. 1,107,113; Aug. 11; Gaz. vol. 205; p. 574.
- Bicycle crank-hanger. G. W. McIlwaine. No. 1,104,523; July 21; Gaz. vol. 204; p. 888.
- Bicycle, Folding. D. Grossman. No. 1,096,504; May 12; Gaz. vol. 202; p. 489.
- Bicycle-fork. W. H. Buster and S. Varnell. No. 1,090,381; Mar. 17; Gaz. vol. 200; p. 677.
- Bicycle-frame. G. G. Buckland. No. 1,114,855; Oct. 27; Gaz. vol. 207; p. 991.
- Bicycle-frame. O. S. Campbell. No. 1,122,071; Dec. 22; Gaz. vol. 209; p. 1226.
- Bicycle-frame. L. H. Cobb. No. 1,121,168; Dec. 15; Gaz. vol. 209; p. 875.
- Bicycle, &c., locking device. H. E. Dick. No. 1,122,082; Dec. 22; Gaz. vol. 209; p. 1228.
- Bicycle package-carrier. E. L. Dennis. No. 1,094,885; Apr. 28; Gaz. vol. 201; p. 1076.
- Bicycle propelling mechanism. A. Laffond. No. 1,089,483; Mar. 10; Gaz. vol. 200; p. 325.
- Bicycle pump-support. G. E. Boyd. No. 1,122,064; Dec. 22; Gaz. vol. 209; p. 1223.
- Bicycle saddle-clamp. D. S. Troxel. No. 1,096,076; May 12; Gaz. vol. 202; p. 343.
- Bicycle side car. G. G. Buckland. No. 1,094,777; Apr. 28; Gaz. vol. 201; p. 1040.
- Bicycle spring-frame. I. W. Goodwin. No. 1,085,411; Jan. 27; Gaz. vol. 198; p. 817.
- Bicycle-stand. W. R. Green. No. 1,101,628; June 30; Gaz. vol. 203; p. 1307.
- Bicycle-stand. E. F. Pawsat. No. 1,093,352; Apr. 14; Gaz. vol. 201; p. 457.
- Bicycle-stands, Head for. E. F. Pawsat. No. 1,114,028; Oct. 20; Gaz. vol. 207; p. 645.
- Bicycle-support. R. B. Kasdorff. No. 1,107,427; Aug. 18; Gaz. vol. 205; p. 737.
- Bicycle tool-case. W. Hurrell. No. 1,121,366; Dec. 15; Gaz. vol. 209; p. 942.
- Bicycles and the like, Crank-hanger for. S. W. Ford. No. 1,088,140; Feb. 24; Gaz. vol. 199; p. 1034.

Alphabetical list of inventions—Continued.

- Bidet. G. Friedman. No. 1,091,499; Mar. 31; Gaz. vol. 200; p. 1132.
- Billiard and pool table and like cushion. M. L. Adler. No. 1,118,461; Nov. 24; Gaz. vol. 208; p. 1166.
- Billiard-chalk holder. F. C. Hobbs. No. 1,121,560; Dec. 15; Gaz. vol. 209; p. 1009.
- Billiard-cloth, Repairing. J. M. Stivers. No. 1,097,481; May 19; Gaz. vol. 202; p. 871.
- Billiard-cue. J. Hanna. No. 1,092,100; Mar. 31; Gaz. vol. 200; p. 1337.
- Billiard-cue. S. T. Varian. No. 1,092,189; Apr. 7; Gaz. vol. 201; p. 22.
- Billiard-cue tip. E. J. Gorsuch. No. 1,101,023; June 23; Gaz. vol. 203; p. 1047.
- Billiard-cue tip. H. W. Lee and A. G. Pierce. No. 1,116,827; Nov. 10; Gaz. vol. 208; p. 514.
- Billiard-cue-tip fastener. G. Miller. No. 1,103,807; July 14; Gaz. vol. 204; p. 599.
- Billiard-cushion. J. R. Abbott. No. 1,119,212; Dec. 1; Gaz. vol. 209; p. 109.
- Billiard-cushion. M. J. Whelan. No. 1,084,916; Jan. 20; Gaz. vol. 198; p. 610.
- Billiard or pool table cushion. M. L. Adler. No. 1,115,761; Nov. 3; Gaz. vol. 208; p. 99.
- Billiard rack and register, Combination pocket-. G. G. Kitzeman. No. 1,114,148; Oct. 20; Gaz. vol. 207; p. 688.
- Billiard-table. A. F. Hjort. No. 1,119,160; Dec. 1; Gaz. vol. 209; p. 91.
- Billiard-table, Extension. C. F. Wandelken. No. 1,106,017; Aug. 4; Gaz. vol. 205; p. 150.
- Billiard tables and the like, Dischargeable bottom for the pockets of pocket-. F. C. Hobbs. No. 1,116,890; Nov. 10; Gaz. vol. 208; p. 535.
- Billiard tables and the like, Dischargeable pocket for pocket-. F. C. Hobbs. No. 1,116,889; Nov. 10; Gaz. vol. 208; p. 535.
- Billiard tables, &c., Dischargeable pocket for pocket-. F. C. Hobbs. No. 1,121,184; Dec. 15; Gaz. vol. 209; p. 881.
- Billiard tally, Pocket-. C. A. Fisher. No. 1,122,894; Dec. 29; Gaz. vol. 209; p. 1549.
- Bin: See Dispensing-bin; Metallic bin; Storage-bin; Tilt-ing bin; Transfer-bin.
- Bin. W. E. Sanders. No. 1,107,846; Aug. 18; Gaz. vol. 205; p. 885.
- Bins, Indicating device for. T. E. Ibberson. No. 1,111,464; Sept. 22; Gaz. vol. 206; p. 1042.
- Binder. L. C. Bauman. No. 1,095,069; Apr. 28; Gaz. vol. 201; p. 1140.
- Binder. H. C. Blackmer. No. 1,095,547; May 5; Gaz. vol. 202; p. 129.
- Binder. W. A. Cooke, Jr. No. 1,107,658; Aug. 18; Gaz. vol. 205; p. 819.
- Binder. B. Couch. No. 1,097,391; May 19; Gaz. vol. 202; p. 841.
- Binder. J. R. Moffatt. No. 1,110,705; Sept. 15; Gaz. vol. 206; p. 737.
- Binder. B. Rothenburg. No. 1,089,269; Mar. 3; Gaz. vol. 200; p. 203.
- Binder attachment. W. Alison. No. 1,099,274; June 9; Gaz. vol. 203; p. 352.
- Binder attachment. J. G. Conger and B. R. Quint. No. 1,090,029; Mar. 10; Gaz. vol. 200; p. 512.
- Binder attachment. H. S. Kjenstad. No. 1,085,739; Feb. 3; Gaz. vol. 199; p. 57.
- Binder attachment, Self-. M. Haubel. No. 1,115,191; Oct. 27; Gaz. vol. 207; p. 1111.
- Binder-elevator. M. Young. No. 1,102,846; July 7; Gaz. vol. 204; p. 218.
- Binder for loose music. J. F. Swan. No. 1,089,983; Mar. 10; Gaz. vol. 200; p. 497.
- Binder-head. J. L. Ware. No. 1,106,604; Aug. 11; Gaz. vol. 205; p. 401.
- Binder, Letter-. C. E. O'Neill. No. 1,090,748; Mar. 17; Gaz. vol. 200; p. 800.
- Binder, Loose-leaf. W. T. Blaylock. No. 1,101,780; June 30; Gaz. vol. 203; p. 1357.
- Binder, Loose-leaf. F. E. Caulfield, Jr. No. 1,111,134; Sept. 22; Gaz. vol. 206; p. 929.
- Binder, Loose-leaf. E. H. Elder. No. 1,085,328; Jan. 27; Gaz. vol. 198; p. 789.
- Binder, Loose-leaf. G. W. Goss. No. 1,111,377; Sept. 22; Gaz. vol. 206; p. 1012.
- Binder, Loose-leaf. R. J. Hoppinger. No. 1,108,438; Aug. 25; Gaz. vol. 205; p. 1136.
- Binder, Loose-leaf. P. H. and L. M. Jones. No. 1,118,350; Nov. 24; Gaz. vol. 208; p. 1125.
- Binder, Loose-leaf. A. L. Langford. No. 1,092,060; Mar. 31; Gaz. vol. 200; p. 1323.
- Binder, Loose-leaf. J. G. Magin. No. 1,112,222; Sept. 29; Gaz. vol. 206; p. 1341.
- Binder, Loose-leaf. J. L. McMillan. No. 1,106,825; Aug. 11; Gaz. vol. 205; p. 477.
- Binder, Loose-leaf. J. C. Merwin. No. 1,084,159; Jan. 13; Gaz. vol. 198; p. 329.
- Binder, Loose-leaf. W. P. Pitt. No. 1,088,176; Feb. 24; Gaz. vol. 199; p. 1046.
- Binder, Loose-leaf. W. P. Pitt. No. 1,092,287; Apr. 7; Gaz. vol. 201; p. 57.
- Binder, Loose-leaf. W. H. Radford. No. 1,087,609; Feb. 17; Gaz. vol. 199; p. 803.
- Binder, Loose-leaf. R. Reifel and G. Blattel. No. 1,094,019; Apr. 21; Gaz. vol. 201; p. 720.
- Binder, Loose-leaf. E. Shields. No. 1,121,767; Dec. 22; Gaz. vol. 209; p. 1118.
- Binder, Loose-leaf. H. A. Stanley. No. 1,109,260; Sept. 1; Gaz. vol. 206; p. 143.
- Binder, Loose-leaf. G. A. Streett. No. 1,106,479; Aug. 11; Gaz. vol. 205; p. 355.
- Binder, Loose-leaf. P. L. Tallman. No. 1,095,944; May 5; Gaz. vol. 202; p. 261.
- Binder, Loose-leaf. W. C. Traher. No. 1,092,675; Apr. 7; Gaz. vol. 201; p. 190.
- Binder, Loose-leaf. J. V. Washburne. No. 1,094,951; Apr. 28; Gaz. vol. 201; p. 1101.
- Binder, Loose-leaf. R. M. Watson. No. 1,089,515; Mar. 10; Gaz. vol. 200; p. 337.
- Binder, Loose-leaf. R. M. Watson. No. 1,089,734; Mar. 10; Gaz. vol. 200; p. 411.
- Binder, Loose-leaf. A. Wissler. No. 1,111,984; Sept. 29; Gaz. vol. 206; p. 1258.
- Binder or knotter for packages, Twine. R. J. Seator. No. 1,100,400; June 16; Gaz. vol. 203; p. 779.
- Binder or loose-sheet holder, Temporary. R. Krumming. No. 1,091,146; Mar. 24; Gaz. vol. 200; p. 971.
- Binder or loose-sheet holder, Temporary. R. Krumming. No. 1,110,444; Sept. 15; Gaz. vol. 206; p. 645.
- Binder or loose-sheet holder, Temporary. G. P. Wigginton. No. 1,086,495; Feb. 10; Gaz. vol. 199; p. 364.
- Binder or loose-sheet holder, Temporary. G. P. Wigginton. No. 1,093,369; Apr. 14; Gaz. vol. 201; p. 462.
- Binder or loose-sheet holder, Temporary. G. P. Wigginton. No. 1,093,370; Apr. 14; Gaz. vol. 201; p. 463.
- Binder or loose-sheet holder, Temporary. G. P. Wigginton. No. 1,104,855; July 28; Gaz. vol. 204; p. 1050.
- Binder or loose-sheet holder, Temporary. G. P. Wigginton. No. 1,114,833; Oct. 27; Gaz. vol. 207; p. 983.
- Binder, Package-. G. W. Bury. No. 1,102,470; July 7; Gaz. vol. 204; p. 87.
- Binder-reel attachment. W. E. Delmage. No. 1,118,398; Nov. 24; Gaz. vol. 208; p. 1142.
- Binder, Shiftable-sheet. J. C. Dawson. No. 1,118,637; Nov. 24; Gaz. vol. 208; p. 1226.
- Binder, Temporary. S. S. Barrett. No. 1,083,653; Jan. 6; Gaz. vol. 198; p. 130.
- Binder, Temporary. S. S. Barrett. No. 1,109,027; Sept. 1; Gaz. vol. 206; p. 61.
- Binder, Temporary. S. S. Barrett. No. 1,109,028; Sept. 1; Gaz. vol. 206; p. 62.
- Binder, Temporary. A. M. Barrett. No. 1,109,029; Sept. 1; Gaz. vol. 206; p. 62.
- Binder, Temporary. C. Dom. No. 1,091,452; Mar. 24; Gaz. vol. 200; p. 1070.
- Binder, Temporary. C. Dom. No. 1,118,273; Nov. 24; Gaz. vol. 208; p. 1097.
- Binder, Temporary. N. F. Olson. No. 1,111,173; Sept. 22; Gaz. vol. 206; p. 943.
- Binder, Temporary. C. D. Trussell. No. 1,104,394; July 21; Gaz. vol. 204; p. 840.
- Binder, Temporary. G. P. Wigginton. No. 1,090,183; Mar. 17; Gaz. vol. 200; p. 608.
- Binder, Temporary. G. P. Wigginton. No. 1,104,856; July 28; Gaz. vol. 204; p. 1051.
- Binder, Transfer-. S. M. Dowst. No. 1,100,058; June 16; Gaz. vol. 203; p. 659.
- Binders, Locking device for loose-leaf. H. C. Miller. No. 1,119,523; Dec. 1; Gaz. vol. 209; p. 215.
- Binders, Locking mechanism for loose-leaf. J. Schaub. No. 1,105,161; July 28; Gaz. vol. 204; p. 1154.
- Binders, Shocker attachment for. C. Leak. No. 1,116,449; Nov. 10; Gaz. vol. 208; p. 375.
- Binding and sealing tape. G. L. Thom. No. 1,089,986; Mar. 10; Gaz. vol. 200; p. 498.
- Binding clasp, Leaf-. F. I. Ellick. No. 1,105,025; July 28; Gaz. vol. 204; p. 1108.
- Binding device for panel-boards. R. H. Olley. No. 1,119,718; Dec. 1; Gaz. vol. 209; p. 281.
- Binding-post. H. F. Adickes, Jr. No. 1,122,351; Dec. 29; Gaz. vol. 209; p. 1358.
- Binding-post. C. F. Kettering. No. 1,089,771; Mar. 10; Gaz. vol. 200; p. 424.
- Binocular-magnifier. E. W. Beebe. No. 1,086,802; Feb. 10; Gaz. vol. 199; p. 473.
- Biplane. E. W. F. Herrmann. No. 1,105,429; July 28; Gaz. vol. 204; p. 1252.
- Biplanes, Wing construction for. R. Seeley. No. 1,096,567; May 12; Gaz. vol. 202; p. 510.
- Bird-cage guard. C. M. Brandt. No. 1,094,423; Apr. 28; Gaz. vol. 201; p. 913.
- Birds, dogs, and other animals, Apparatus for drying washed. R. G. Furley. No. 1,096,708; May 12; Gaz. vol. 202; p. 557.
- Biscuit stacking, weighing, and feeding machine. G. S. Baker. No. 1,108,117; Aug. 25; Gaz. vol. 205; p. 1026.
- Biscuit-wrapping machine. G. S. Baker. No. 1,107,474; Aug. 18; Gaz. vol. 205; p. 754.
- Biscuits of shredded cereal, Machine for making. R. E. Valentine. No. 1,102,614; July 7; Gaz. vol. 204; p. 138.
- Bismuth from copper, Separating. W. Thum. No. 1,098,854; June 2; Gaz. vol. 203; p. 168.
- Bisulfite of soda, Making. H. Howard. No. 1,104,897; July 28; Gaz. vol. 204; p. 1066.

Alphabetical list of inventions—Continued.

- Bisulfites, Stabilizing. L. Nonnet. No. 1,087,547; Feb. 17; Gaz. vol. 199; p. 781.
 Bit: See Auger-bit; Bridle-bit; Drill-bit; Drilling-bit; Horse-drenching bit; Well-digging bit; Well-drilling bit; Wrench-bit.
 Bit. C. D. Jennings. No. 1,118,777; Nov. 24; Gaz. vol. 208; p. 1274.
 Bit. F. M. Swart. No. 1,116,159; Nov. 3; Gaz. vol. 208; p. 237.
 Bit-brace. S. N. Hall. No. 1,107,938; Aug. 18; Gaz. vol. 205; p. 914.
 Bit-gage. R. S. McMillen. No. 1,105,154; July 28; Gaz. vol. 204; p. 1152.
 Bit-stock. F. Prokop. No. 1,120,334; Dec. 8; Gaz. vol. 209; p. 532.
 Bituminous material, Treating. J. C. Ross. No. 1,104,140; July 21; Gaz. vol. 204; p. 753.
 Blackboard. E. K. Hopkins. No. 1,099,748; June 9; Gaz. vol. 203; p. 516.
 Blackboard-compasses. F. C. Hulse and L. S. Uphoff. No. 1,121,503; Dec. 15; Gaz. vol. 209; p. 989.
 Blacking and oil-paste box. J. S. Batchelor. No. 1,119,219; Dec. 1; Gaz. vol. 209; p. 111.
 Blacking machine, Heel-. F. M. Furber. No. 1,120,804; Dec. 15; Gaz. vol. 209; p. 746.
 Blacking stand, Shoe-. W. T. Mahin. No. 1,085,278; Jan. 27; Gaz. vol. 198; p. 771.
 Blacking stand, Shoe-. W. T. Mahin. No. 1,110,216; Sept. 8; Gaz. vol. 206; p. 523.
 Blade-connecting device for tools, Detachable-. J. W. Grimes. No. 1,104,987; July 28; Gaz. vol. 204; p. 1095.
 Blade-holder. L. J. Bazzoni. No. 1,115,048; Oct. 27; Gaz. vol. 207; p. 1060.
 Blade-holder. R. Marx. No. 1,092,067; Mar. 31; Gaz. vol. 200; p. 1325.
 Blades, Apparatus for tempering. R. T. Winn. No. 1,121,884; Dec. 22; Gaz. vol. 209; p. 1160.
 Blank feeding and preparing machine. E. W. Labombarde. No. 1,119,289; Dec. 1; Gaz. vol. 209; p. 134.
 Blank shearing and forming apparatus. E. E. Slick. No. 1,106,741; Aug. 11; Gaz. vol. 205; p. 447.
 Blanks, Machine for feeding beaded. K. Weiss. No. 1,104,029; July 21; Gaz. vol. 204; p. 715.
 Blast-cap-charge protector, Waterproof. J. M. Cordray. No. 1,091,878; Mar. 31; Gaz. vol. 200; p. 1265.
 Blast-cavities, Tester for. J. A. Houston. No. 1,112,699; Oct. 6; Gaz. vol. 207; p. 103.
 Blast-furnace. J. Reis. No. 1,086,220; Feb. 3; Gaz. vol. 199; p. 225.
 Blast-furnace for the smelting of iron and other ores. T. B. Rogerson. No. 1,099,666; June 9; Gaz. vol. 203; p. 488.
 Blasting-box, Miner's. J. Beeneck. No. 1,114,096; Oct. 20; Gaz. vol. 207; p. 671.
 Bleaching and like fluids, Apparatus for preparing. C. A. M. Buckley. No. 1,085,718; Feb. 3; Gaz. vol. 199; p. 49.
 Bleaching and scouring fibrous materials, Apparatus for. J. Macadam. No. 1,107,160; Aug. 11; Gaz. vol. 205; p. 594.
 Bleaching lignocellulose and pectocellulose. A. R. de Vains. No. 1,106,994; Aug. 11; Gaz. vol. 205; p. 535.
 Bleaching solutions containing titanous chlorid and producing the same. A. J. Rossi. No. 1,105,308; July 28; Gaz. vol. 204; p. 1207.
 Bleed-hole-regulating device. J. Schwertner. No. 1,107,851; Aug. 18; Gaz. vol. 205; p. 886.
 Blind and awning, Combined. O. P. Klässig. No. 1,121,022; Dec. 15; Gaz. vol. 209; p. 822.
 Blind, Animal-. B. C. Schubert. No. 1,123,018; Dec. 29; Gaz. vol. 209; p. 1592.
 Blind-fastener. P. H. Stedman. No. 1,115,126; Oct. 27; Gaz. vol. 207; p. 1088.
 Blind fastening, Window-. J. J. Daniels. No. 1,088,262; Feb. 24; Gaz. vol. 199; p. 1075.
 Blind for carriage and other windows. W. McLaren and L. J. Le Clair. No. 1,100,598; June 16; Gaz. vol. 203; p. 843.
 Blind-slat-adjusting mechanism. G. W. Lancaster. No. 1,087,785; Feb. 17; Gaz. vol. 199; p. 864.
 Blind-stop. A. O. Malingren and H. Kleffman. No. 1,116,716; Nov. 10; Gaz. vol. 208; p. 474.
 Blind, Venetian. A. O. Malmgren and H. Kleffman. No. 1,097,812; May 26; Gaz. vol. 202; p. 1031.
 Blinds, Window-fitting for. F. F. Cowdroy. No. 1,095,083; Apr. 28; Gaz. vol. 201; p. 1144.
 Block: See Anvil-block; Automobile wheel-block; Brake-block; Brush-back-supporting block; Building-block; Bur-block; Butt-chain block; Connecting-block; Crown-block; Die-block; Display-block; Fall-block; Forming-block; Fuel-block; Fuse-block; Heel-forming block; Hoist-block; Hoisting-block; Insulating-block; Junction-block; Logging-block; Lubricating-block; Meat-block; Paving-block; Printer's block; Railway bumping-block; Scotch-block; Segmental block; Sewer-block; Shaped or molded block; Signal-block; Snatch-block; Space-block; Stirrup-block; Tail-block; Toy building-block; Trawl-towing block; Valve-block; Wire-drawing block.
 Block-cleaning machine. F. O. Lueck. No. 1,087,068; Feb. 10; Gaz. vol. 199; p. 560.
 Block-forming machine. T. L. Bugler. No. 1,092,090; Mar. 31; Gaz. vol. 200; p. 1334.
 Block-forming machine. R. E. Meece. No. 1,119,095; Dec. 1; Gaz. vol. 209; p. 69.
 Block machine, Rotary wall-. R. S. White, Jr., and C. N. Bancroft. No. 1,087,475; Feb. 17; Gaz. vol. 199; p. 757.
 Block-mold. M. Moore. No. 1,084,355; Jan. 13; Gaz. vol. 198; p. 394.
 Block mold, Plastic-. E. E. Workman. No. 1,092,195; Apr. 7; Gaz. vol. 201; p. 25.
 Block-molding machine. W. H. Barten. No. 1,093,242; Apr. 14; Gaz. vol. 201; p. 419.
 Block-molding machine, Plaster-. C. R. Birdsey and C. F. Henning. No. 1,116,669; Nov. 10; Gaz. vol. 208; p. 458.
 Block-signal apparatus, Electric. J. Beaumont and F. G. White. No. 1,093,596; Apr. 21; Gaz. vol. 201; p. 576.
 Block-signal apparatus, Electric. J. Beaumont and F. G. White. No. 1,093,597; Apr. 21; Gaz. vol. 201; p. 577.
 Block-signal system. E. F. Bliss. No. 1,087,917; Feb. 24; Gaz. vol. 199; p. 953.
 Block-signal system. J. Burke. No. 1,086,752; Feb. 10; Gaz. vol. 199; p. 455.
 Block-signal system. L. A. Hawkins. No. 1,085,981; Feb. 3; Gaz. vol. 199; p. 144.
 Block-signal system. L. A. Hawkins. No. 1,091,133; Mar. 24; Gaz. vol. 200; p. 967.
 Block-signal system. L. A. Hawkins. No. 1,094,441; Apr. 28; Gaz. vol. 201; p. 920.
 Block-signal system. L. A. Hawkins. No. 1,094,894; Apr. 28; Gaz. vol. 201; p. 1079.
 Block-signal system. L. A. Hawkins. No. 1,102,917; July 7; Gaz. vol. 204; p. 241.
 Block-signal system. L. A. Hawkins. No. 1,119,953; Dec. 8; Gaz. vol. 209; p. 397.
 Block-signal system. J. W. Murphy. No. 1,094,918; Apr. 28; Gaz. vol. 201; p. 1087.
 Block-signal-system safety appliance. S. A. Mischansky. No. 1,116,316; Nov. 3; Gaz. vol. 208; p. 288.
 Block-signaling system, Automatic. D. J. McCarthy. (Reissue.) No. 13,693; Mar. 3; Gaz. vol. 200; p. 241.
 Block-signaling system, Automatic. F. Townsend. No. 1,116,763; Nov. 10; Gaz. vol. 208; p. 491.
 Block-signaling systems, Crossing arrangement for. M. Conrad and W. G. Kelly. No. 1,095,816; May 5; Gaz. vol. 202; p. 220.
 Block system, Automatic. H. G. Kurtzhals. No. 1,096,729; May 12; Gaz. vol. 202; p. 564.
 Block system for preventing collisions on railways, Automatic. A. J. Icard. No. 1,094,906; Apr. 28; Gaz. vol. 201; p. 1084.
 Block system for tramways. D. D. Samala. No. 1,108,084; Aug. 18; Gaz. vol. 205; p. 966.
 Block, V-. H. B. Swantusch. No. 1,119,470; Dec. 1; Gaz. vol. 209; p. 196.
 Blocks, Making. F. Zagelmeyer. No. 1,086,116; Feb. 3; Gaz. vol. 199; p. 193.
 Bloomers. M. E. Killean. No. 1,109,231; Sept. 1; Gaz. vol. 206; p. 133.
 Blotter attachment. E. S. Rice and G. E. Bailly. No. 1,091,535; Mar. 31; Gaz. vol. 200; p. 1144.
 Blotter-holder and hand-rest, Combined. A. E. Hubbell. No. 1,115,432; Oct. 27; Gaz. vol. 207; p. 1193.
 Blouse. M. Handelsman. No. 1,085,039; Jan. 20; Gaz. vol. 198; p. 652.
 Blouse, Boy's. F. H. Schneer. No. 1,112,387; Sept. 29; Gaz. vol. 206; p. 1399.
 Blow-irons, Guide for. N. W. Hartman and J. P. Goggin. No. 1,098,724; June 2; Gaz. vol. 203; p. 126.
 Blow-off device for digesters and the like, Safety. G. R. Mereweather. No. 1,088,162; Feb. 24; Gaz. vol. 199; p. 1041.
 Blow-out guard. A. A. Holloman. No. 1,115,540; Nov. 3; Gaz. vol. 208; p. 26.
 Blow-out holder. F. Fourn. No. 1,120,045; Dec. 8; Gaz. vol. 209; p. 430.
 Blow-out patch. C. L. Smith. No. 1,103,848; July 14; Gaz. vol. 204; p. 612.
 Blower. J. H. Axien. No. 1,092,132; Apr. 7; Gaz. vol. 201; p. 3.
 Blower. C. Neumann. No. 1,086,686; Feb. 10; Gaz. vol. 199; p. 432.
 Blower and fender. J. W. Pritchett. No. 1,094,245; Apr. 21; Gaz. vol. 201; p. 795.
 Blower, Boiler-. J. C. Bennett. No. 1,095,991; May 5; Gaz. vol. 202; p. 278.
 Blower, Boiler-fue. W. L. Cronin. No. 1,116,873; Nov. 10; Gaz. vol. 208; p. 530.
 Blower, Boiler-tube. R. Hartwell. No. 1,115,533; Nov. 3; Gaz. vol. 208; p. 23.
 Blower, Centrifugal. J. S. Melchers. No. 1,109,133; Sept. 1; Gaz. vol. 206; p. 97.
 Blower, Fluid-jet. T. Gruenwald. No. 1,097,314; May 19; Gaz. vol. 202; p. 814.
 Blower for boilers. T. S. Waller. No. 1,100,165; June 16; Gaz. vol. 203; p. 697.
 Blower for rotary mills. M. F. Williams. No. 1,103,237; July 14; Gaz. vol. 204; p. 401.
 Blower for water-tube boilers. H. A. Higgins. No. 1,101,545; June 30; Gaz. vol. 203; p. 1276.

Alphabetical list of inventions—Continued.

- Blower, Rotary. G. C. Hicks, Jr., and R. C. Enyart. No. 1,098,440; June 2; Gaz. vol. 203; p. 29.
- Blower, Rotary. B. Larsen and W. H. Parkin. No. 1,111,160; Sept. 22; Gaz. vol. 206; p. 938.
- Blower, Steam or air. E. Renard. No. 1,091,081; Mar. 24; Gaz. vol. 200; p. 948.
- Blower, Turbo-. M. Rotter. No. 1,111,498; Sept. 22; Gaz. vol. 206; p. 1054.
- Blowers, Pressure-equalizer for rotary. O. Banner. No. 1,093,374; Apr. 14; Gaz. vol. 201; p. 465.
- Blowpipe. A. W. A. Bartlett and R. M. Kerr. No. 1,106,914; Aug. 11; Gaz. vol. 205; p. 508.
- Blowpipe. P. Dumesnil. No. 1,107,272; Aug. 18; Gaz. vol. 205; p. 681.
- Blowpipe. F. Gleich. No. 1,102,984; July 7; Gaz. vol. 204; p. 263.
- Blowpipe. C. Holder, Jr. No. 1,093,420; Apr. 14; Gaz. vol. 201; p. 479.
- Blowpipe. H. D. Palmer and B. C. Sanderson. No. 1,106,965; Aug. 11; Gaz. vol. 205; p. 527.
- Blowpipe. C. H. Peake. No. 1,096,943; May 19; Gaz. vol. 202; p. 683.
- Blowpipe. W. I. Reich. No. 1,097,263; May 19; Gaz. vol. 202; p. 795.
- Blowpipe. W. I. Reich. No. 1,097,264; May 19; Gaz. vol. 202; p. 796.
- Blowpipe. M. Sr., and M. Steel, Jr. No. 1,093,495; Apr. 14; Gaz. vol. 201; p. 501.
- Blowpipe apparatus. W. C. Bucknam. No. 1,096,095; May 12; Gaz. vol. 202; p. 349.
- Blowpipe apparatus. W. C. Bucknam. No. 1,118,183; Nov. 24; Gaz. vol. 208; p. 1066.
- Blowpipe-stand. J. Murphy. No. 1,086,394; Feb. 10; Gaz. vol. 199; p. 328.
- Board: See Base-ball indicator-board; Blackboard; Bulletin-board; Car running-board; Checker-board; Checker or chess board; Cloth-board; Compass-board; Cooling-board; Directory-board; Division-board; Dough-board; Embalming-board; Game-board; Glass-cutter's board; Ironing-board; Junction-board; Lap-board; Meter-control panel-board; Moldboard; Panel-board; Paper-board; Paper-hanger's board; Phonograph sounding-board; Piano fall-board; Piano sounding-board; Plow-moldboard; Pressing-board; Rubbing-board; Running-board; Score-board; Shuffle-board; Sign-board; Skin-stretching board; Spelling-board; Spring-board; Thread-board; Tree-felling footboard; Wall-board; Washboard; Washing-board; Work-board.
- Board-filling machine. A. J. Bates. No. 1,118,098; Nov. 24; Gaz. vol. 208; p. 1037.
- Board-puller. S. Vercellini. No. 1,091,873; Mar. 31; Gaz. vol. 200; p. 1263.
- Boards and other articles. Applying covering to. G. W. Dinsmoor. No. 1,103,402; July 14; Gaz. vol. 204; p. 455.
- Boards, Machine for building up. E. J. Bell. No. 1,090,903; Mar. 24; Gaz. vol. 200; p. 835.
- Boards with dowels. Appliance for attaching edges of. P. Tracy. No. 1,100,162; June 16; Gaz. vol. 203; p. 696.
- Boat. G. Dubois. No. 1,084,320; Jan. 13; Gaz. vol. 198; p. 383.
- Boat. J. M. Gardner. No. 1,117,367; Nov. 17; Gaz. vol. 208; p. 742.
- Boat. E. A. Johanson. No. 1,122,123; Dec. 22; Gaz. vol. 209; p. 1241.
- Boat. H. B. Joyce. No. 1,120,620; Dec. 8; Gaz. vol. 209; p. 635.
- Boat. O. G. Rosing. No. 1,093,475; Apr. 14; Gaz. vol. 201; p. 496.
- Boat-anchoring device. J. Edman and E. Eck. No. 1,109,052; Sept. 1; Gaz. vol. 206; p. 70.
- Boat and oar therefor. J. Schulz. No. 1,107,117; Aug. 11; Gaz. vol. 205; p. 575.
- Boat and the like hook. Life-. H. A. Attfield. No. 1,101,113; June 23; Gaz. vol. 203; p. 1077.
- Boat attachment. Life-. C. H. Langill. No. 1,108,846; Aug. 25; Gaz. vol. 205; p. 1278.
- Boat, Automobile. E. Hensley. No. 1,100,238; June 16; Gaz. vol. 203; p. 722.
- Boat body-catcher. Life-. J. Forray and S. Kovács. No. 1,100,235; June 16; Gaz. vol. 203; p. 721.
- Boat, Collapsible. G. Dubois. No. 1,117,350; Nov. 17; Gaz. vol. 208; p. 737.
- Boat, Collapsible. N. Lawson. No. 1,114,996; Oct. 27; Gaz. vol. 207; p. 1042.
- Boat, Collapsible life-. W. Hopper. No. 1,106,307; Aug. 4; Gaz. vol. 205; p. 249.
- Boat construction. H. C. Minett. No. 1,119,101; Dec. 1; Gaz. vol. 209; p. 71.
- Boat construction. H. E. Smith. No. 1,090,349; Mar. 17; Gaz. vol. 200; p. 665.
- Boat-driving apparatus. P. G. H. Hallongren. No. 1,118,930; Dec. 1; Gaz. vol. 209; p. 9.
- Boat-falls and other purposes. Safety-blocks for. E. Ekblom. No. 1,096,831; May 19; Gaz. vol. 202; p. 642.
- Boat-fastening means. F. Steinhauer. No. 1,094,610; Apr. 28; Gaz. vol. 201; p. 979.
- Boat, Folding. E. M. Sanders. No. 1,093,357; Apr. 14; Gaz. vol. 201; p. 458.
- Boat for automobile torpedoes. Torpedo-pilot. S. Danenhower. No. 1,111,139; Sept. 22; Gaz. vol. 206; p. 931.
- Boat hoisting and lowering apparatus, Ship's-. A. Welin. No. 1,094,617; Apr. 28; Gaz. vol. 201; p. 981.
- Boat hoisting and lowering device. J. Drover. No. 1,085,803; Feb. 3; Gaz. vol. 199; p. 81.
- Boat, Hydroplane-. W. H. Fauber. No. 1,121,006; Dec. 15; Gaz. vol. 209; p. 817.
- Boat, Hydrovane-. H. C. Richardson. No. 1,095,166; Apr. 28; Gaz. vol. 201; p. 1175.
- Boat-launching apparatus, Life-. C. A. Morrill. No. 1,121,116; Dec. 15; Gaz. vol. 209; p. 857.
- Boat-launching apparatus, Ship's-. H. G. Thompson. No. 1,116,761; Nov. 10; Gaz. vol. 208; p. 490.
- Boat-launching device. E. H. Hendersen. No. 1,121,499; Dec. 15; Gaz. vol. 209; p. 988.
- Boat-launching means, Life-. L. A. Sprague. No. 1,101,475; June 23; Gaz. vol. 203; p. 1201.
- Boat-launching mechanism, Life-. F. Kratky. No. 1,103,971; July 21; Gaz. vol. 204; p. 696.
- Boat, Life-. G. Alexovic. No. 1,100,044; June 16; Gaz. vol. 203; p. 654.
- Boat, Life-. T. Balázs. No. 1,100,467; June 16; Gaz. vol. 203; p. 802.
- Boat, Life-. J. Balogh and A. Thomas. No. 1,112,667; Oct. 6; Gaz. vol. 207; p. 92.
- Boat, Life-. J. Bihon. No. 1,116,223; Nov. 3; Gaz. vol. 208; p. 259.
- Boat, Life-. J. Danko and J. Potoczky. No. 1,095,556; May 5; Gaz. vol. 202; p. 132.
- Boat, Life-. K. Dombkowski. No. 1,111,997; Sept. 29; Gaz. vol. 206; p. 1263.
- Boat, Life-. V. Engelhardt and P. McAlister. No. 1,096,100; May 12; Gaz. vol. 202; p. 351.
- Boat, Life-. J. Gunnarson. No. 1,104,745; July 21; Gaz. vol. 204; p. 963.
- Boat, Life-. C. D. Holmes. No. 1,119,755; Dec. 1; Gaz. vol. 209; p. 292.
- Boat, Life-. P. P. Horváth. No. 1,104,992; July 28; Gaz. vol. 204; p. 1097.
- Boat, Life-. L. Ipacs. No. 1,100,739; June 23; Gaz. vol. 203; p. 947.
- Boat, Life-. J. Kassa. No. 1,105,909; Aug. 4; Gaz. vol. 205; p. 112.
- Boat, Life-. J. Kertész. No. 1,104,428; July 21; Gaz. vol. 204; p. 852.
- Boat, Life-. S. Krawczyk. No. 1,102,764; July 7; Gaz. vol. 204; p. 189.
- Boat, Life-. M. Krompigel and J. Hradiski. No. 1,121,733; Dec. 22; Gaz. vol. 209; p. 1106.
- Boat, Life-. F. Kulhawy. No. 1,106,718; Aug. 11; Gaz. vol. 205; p. 439.
- Boat, Life-. L. O. Larsen. No. 1,090,923; Mar. 24; Gaz. vol. 200; p. 893.
- Boat, Life-. J. H. Long. No. 1,100,835; June 23; Gaz. vol. 203; p. 980.
- Boat, Life-. S. Mackiewicz. No. 1,096,514; May 12; Gaz. vol. 202; p. 493.
- Boat, Life-. F. Pálesch. No. 1,100,771; June 23; Gaz. vol. 203; p. 957.
- Boat, Life-. M. Panchula. No. 1,094,008; Apr. 21; Gaz. vol. 201; p. 717.
- Boat, Life-. W. J. Pitt. No. 1,117,439; Nov. 17; Gaz. vol. 208; p. 767.
- Boat, Life-. J. Pleva. No. 1,096,192; May 12; Gaz. vol. 202; p. 381.
- Boat, Life-. L. Preiczner. No. 1,105,303; July 28; Gaz. vol. 204; p. 1206.
- Boat, Life-. M. Razniak. No. 1,104,387; July 21; Gaz. vol. 204; p. 838.
- Boat, Life-. C. Sabó. No. 1,117,523; Nov. 17; Gaz. vol. 208; p. 796.
- Boat, Life-. J. Szentpáale and G. Vass. No. 1,100,457; June 16; Gaz. vol. 203; p. 798.
- Boat, Life-. A. A. Unruh. No. 1,119,770; Dec. 1; Gaz. vol. 209; p. 297.
- Boat, Life-saving. S. Katkó. No. 1,101,287; June 23; Gaz. vol. 203; p. 1137.
- Boat, Metallic collapsible life-. J. A. Connolly, Jr. No. 1,121,481; Dec. 15; Gaz. vol. 209; p. 982.
- Boat, Motor-. R. Kusamura. No. 1,091,355; Mar. 24; Gaz. vol. 200; p. 1039.
- Boat, Non-capsizable. B. A. Becker. No. 1,092,628; Apr. 7; Gaz. vol. 201; p. 175.
- Boat or like craft, Flying-. J. D. Cooper. No. 1,084,401; Jan. 13; Gaz. vol. 198; p. 408.
- Boat or yacht, Motor. M. Barney. No. 1,123,068; Dec. 29; Gaz. vol. 209; p. 1609.
- Boat outrigger, Life-. J. Juszczak. No. 1,099,251; June 9; Gaz. vol. 203; p. 345.
- Boat, Power-. C. A. Criquei. No. 1,108,340; Aug. 25; Gaz. vol. 205; p. 1104.
- Boat raising and lowering gear, Ship's-. J. Graham. No. 1,099,645; June 9; Gaz. vol. 203; p. 480.
- Boat raising, lowering, and storing apparatus, Ship's-. W. E. Armstrong. No. 1,090,962; Mar. 24; Gaz. vol. 200; p. 907.
- Boat-releaser, Automatic. W. F. Williams. No. 1,114,088; Oct. 20; Gaz. vol. 207; p. 668.
- Boat, Sea-going canal-. A. and A. M. McDougall. No. 1,122,783; Dec. 29; Gaz. vol. 209; p. 1508.
- Boat-sent. A. W. Crouch. No. 1,113,313; Oct. 13; Gaz. vol. 207; p. 357.

Alphabetical list of inventions—Continued.

- Boat securing and releasing device, Life-. H. W. Broady. No. 1,118,527; Nov. 24; Gaz. vol. 208; p. 1188.
- Boat, Speed-. J. Dudash. No. 1,112,057; Sept. 29; Gaz. vol. 206; p. 1283.
- Boat, Submarine. F. Fenaux. No. 1,089,543; Mar. 10; Gaz. vol. 200; p. 346.
- Boat, Submarine. A. J. Griffin. No. 1,103,958; July 21; Gaz. vol. 204; p. 692.
- Boat, Submarine. H. Techel. No. 1,121,210; Dec. 15; Gaz. vol. 209; p. 889.
- Boat, Submarine or submersible. M. F. Hay and F. Guhrauer. No. 1,107,942; Aug. 18; Gaz. vol. 205; p. 915.
- Boat, Submersible. G. M. Lagergren. No. 1,108,192; Aug. 25; Gaz. vol. 205; p. 1051.
- Boats, Attachment for submarine. S. Danenhower. No. 1,117,555; Nov. 17; Gaz. vol. 208; p. 807.
- Boats, Automatic means for lowering life-. R. Tjader. No. 1,116,956; Nov. 10; Gaz. vol. 208; p. 557.
- Boats, Automatic safety launching device for life-. C. W. Weiland. No. 1,104,089; July 21; Gaz. vol. 204; p. 737.
- Boats, Device for lowering ships. S. E. Aaron. No. 1,120,991; Dec. 15; Gaz. vol. 209; p. 810.
- Boats from decks of ships, Apparatus for launching life-. S. Lake. No. 1,118,499; Nov. 24; Gaz. vol. 208; p. 1179.
- Boats on ships and for launching same therefrom, System and apparatus for carrying life and other. H. Hawthorn. No. 1,084,630; Jan. 20; Gaz. vol. 198; p. 512.
- Boats, Safety-cradle for dropping life-. T. A. Powers, J. R. Harvey, and J. W. Crowley. No. 1,107,109; Aug. 11; Gaz. vol. 205; p. 572.
- Boats, Safety mechanism for. P. Forto. No. 1,122,896; Dec. 29; Gaz. vol. 209; p. 1549.
- Boats, Water-intake for power-. B. Ventrice. No. 1,090,584; Mar. 17; Gaz. vol. 200; p. 748.
- Bobbin. F. Mossberg. No. 1,105,289; July 28; Gaz. vol. 204; p. 1200.
- Bobbin-boring apparatus. N. Demers. No. 1,112,363; Sept. 29; Gaz. vol. 206; p. 1389.
- Bobbin-carrier. H. Z. Cobb. No. 1,095,709; May 5; Gaz. vol. 202; p. 183.
- Bobbin-cleaner. W. Lonzo. No. 1,090,999; Mar. 24; Gaz. vol. 200; p. 919.
- Bobbin cleaner and polisher. L. Holt. No. 1,110,988; Sept. 15; Gaz. vol. 206; p. 834.
- Bobbin cleaning and handling mechanism. B. A. Peterson. No. 1,106,239; Aug. 4; Gaz. vol. 205; p. 226.
- Bobbin-cleaning device. J. F. Vaillancourt. No. 1,092,413; Apr. 7; Gaz. vol. 201; p. 99.
- Bobbin-cluster. H. D. Colman and B. A. Peterson. No. 1,115,509; Nov. 3; Gaz. vol. 208; p. 15.
- Bobbin for machines for the manufacture of pillow-lace. A. Matitsch. No. 1,113,671; Oct. 13; Gaz. vol. 207; p. 481.
- Bobbin for thread and the like. J. Stewart. No. 1,104,325; July 21; Gaz. vol. 204; p. 817.
- Bobbin for use in connection with the manufacture of artificial silk. H. Küttner. No. 1,090,399; Mar. 17; Gaz. vol. 200; p. 683.
- Bobbin-gear. E. E. Blake. No. 1,119,229; Dec. 1; Gaz. vol. 209; p. 114.
- Bobbin-handling apparatus. B. A. Peterson. No. 1,108,097; Aug. 18; Gaz. vol. 205; p. 971.
- Bobbin-holder. B. A. Peterson. No. 1,101,811; June 30; Gaz. vol. 203; p. 1369.
- Bobbin-holder ejector. F. H. Weitz. No. 1,087,703; Feb. 17; Gaz. vol. 199; p. 837.
- Bobbin-smash preventer. J. H. Bagwell. No. 1,115,885; Nov. 3; Gaz. vol. 208; p. 142.
- Bobbin-stop. C. Nordell. No. 1,094,239; Apr. 21; Gaz. vol. 201; p. 793.
- Bobbin-stripper. G. F. Bahan and F. R. Chadwick. No. 1,121,602; Dec. 22; Gaz. vol. 209; p. 1060.
- Bobbin-stripper. E. H. Ryon. No. 1,115,115; Oct. 27; Gaz. vol. 207; p. 1084.
- Bobbin-stripping apparatus. A. E. Rhoades. No. 1,097,942; May 26; Gaz. vol. 202; p. 1077.
- Bobbin-stripping device. J. D. Loner. No. 1,119,705; Dec. 1; Gaz. vol. 209; p. 277.
- Bobbin-stripping device. A. E. Rhoades. No. 1,097,943; May 26; Gaz. vol. 202; p. 1078.
- Bobbin-stripping machine. J. D. Sharples and T. Crowe. No. 1,119,993; Dec. 8; Gaz. vol. 209; p. 412.
- Bobbin-winder. A. Belz. No. 1,095,372; May 5; Gaz. vol. 202; p. 68.
- Bobbin-winding mechanism, Automatic. J. P. Hooper. No. 1,121,103; Dec. 15; Gaz. vol. 209; p. 852.
- Bobbins, Device for heating wound thread-. H. A. Bates. No. 1,085,787; Feb. 3; Gaz. vol. 199; p. 75.
- Bobbins, Hydraulic press for. A. B. Morse. No. 1,098,519; June 2; Gaz. vol. 203; p. 57.
- Bobbins, System of preparing filled. A. B. Morse. No. 1,094,343; Apr. 21; Gaz. vol. 201; p. 824.
- Bodies, Means for preserving. W. N. Holway. No. 1,087,448; Feb. 17; Gaz. vol. 199; p. 749.
- Body-catcher. C. E. Labady. No. 1,088,826; Mar. 3; Gaz. vol. 200; p. 52.
- Body-supporting appliance. W. Staab and H. Föckerer. No. 1,104,150; July 21; Gaz. vol. 204; p. 756.
- Boiler. See Canning-boiler; Egg-boiler; Engine-boiler; Gas-boiler; Heating-boiler; Hot-water-circulating boiler; Hot-water or steam boiler; Locomotive-boiler; Radiator-boiler; Sectional boiler; Stand-boiler; Steam-boiler; Superheater-boiler; Tubular boiler; Washboiler; Water-tube boiler.
- Boiler. J. E. Angell. No. 1,114,093; Oct. 20; Gaz. vol. 207; p. 670.
- Boiler. A. M. Baird. No. 1,115,156; Oct. 27; Gaz. vol. 207; p. 1099.
- Boiler. C. E. Burnap. No. 1,119,063; Dec. 1; Gaz. vol. 209; p. 58.
- Boiler. L. D. Freeman. No. 1,089,758; Mar. 10; Gaz. vol. 200; p. 420.
- Boiler. F. J. Frenz. No. 1,089,918; Mar. 10; Gaz. vol. 200; p. 475.
- Boiler. L. R. Hirsch. No. 1,115,198; Oct. 27; Gaz. vol. 207; p. 1114.
- Boiler. H. W. Jacobs. No. 1,093,430; Apr. 14; Gaz. vol. 201; p. 482.
- Boiler. L. D. Lovekin. No. 1,119,025; Dec. 1; Gaz. vol. 209; p. 45.
- Boiler. L. D. Lovekin. No. 1,119,026; Dec. 1; Gaz. vol. 209; p. 45.
- Boiler. J. Seth. No. 1,093,733; Apr. 21; Gaz. vol. 201; p. 625.
- Boiler. W. H. Winslow. No. 1,109,729; Sept. 8; Gaz. vol. 206; p. 350.
- Boiler. A. C. Wood. No. 1,097,599; May 19; Gaz. vol. 202; p. 910.
- Boiler. W. H. Wood. No. 1,106,908; Aug. 11; Gaz. vol. 205; p. 507.
- Boiler and other furnace, Marine-. R. Campbell. No. 1,090,273; Mar. 17; Gaz. vol. 200; p. 639.
- Boiler and other furnace, Steam-. P. Jones. No. 1,089,476; Mar. 10; Gaz. vol. 200; p. 322.
- Boiler and superheater. J. A. Frey. No. 1,097,542; May 19; Gaz. vol. 202; p. 890.
- Boiler appliance, Water-. V. Kalfus. No. 1,104,511; July 21; Gaz. vol. 204; p. 883.
- Boiler-arch construction. E. P. Stevens. No. 1,103,447; July 14; Gaz. vol. 204; p. 471.
- Boiler-arch construction. E. P. Stevens. No. 1,103,448; July 14; Gaz. vol. 204; p. 471.
- Boiler attachment. J. S. Devlin. No. 1,100,545; June 16; Gaz. vol. 203; p. 827.
- Boiler attachment. J. E. Priester. No. 1,114,182; Oct. 20; Gaz. vol. 207; p. 702.
- Boiler attachment, Steam-. W. M. Fulton. No. 1,097,123; May 19; Gaz. vol. 202; p. 746.
- Boiler attachment, Steam-. W. M. Fulton. No. 1,097,124; May 19; Gaz. vol. 202; p. 746.
- Boiler blow-off. G. Purvis. No. 1,098,836; June 2; Gaz. vol. 203; p. 162.
- Boiler-bracket. E. P. Selden. No. 1,104,144; July 21; Gaz. vol. 204; p. 754.
- Boiler burner-chamber, Stand-. R. T. Parisen. No. 1,105,338; July 28; Gaz. vol. 204; p. 1219.
- Boiler-cap seats, Dresser for. S. Dieseth. No. 1,085,025; Jan. 20; Gaz. vol. 198; p. 647.
- Boiler circulating means, Locomotive-. J. P. Neff. No. 1,111,916; Sept. 29; Gaz. vol. 206; p. 1238.
- Boiler circulating system. J. B. Scott. No. 1,111,766; Sept. 29; Gaz. vol. 206; p. 1183.
- Boiler circulating-tube, Steam-. H. S. Vincent. No. 1,097,830; May 26; Gaz. vol. 202; p. 1036.
- Boiler-cleaner. L. J. Bayer. No. 1,115,485; Nov. 3; Gaz. vol. 208; p. 6.
- Boiler-cleaner. E. H. Reiter. No. 1,085,357; Jan. 27; Gaz. vol. 198; p. 800.
- Boiler-cleaner. N. Schreiber. No. 1,109,550; Sept. 1; Gaz. vol. 206; p. 242.
- Boiler-cleaner, Automatic. A. A. Olson. No. 1,086,307; Feb. 3; Gaz. vol. 199; p. 253.
- Boiler-cleaner, Soot. L. J. Bayer. No. 1,115,486; Nov. 3; Gaz. vol. 208; p. 7.
- Boiler-compound-feeding apparatus. F. C. Gibbs. No. 1,120,047; Dec. 8; Gaz. vol. 209; p. 431.
- Boiler construction, Steam-. J. A. Wolmer. No. 1,106,066; Aug. 4; Gaz. vol. 205; p. 168.
- Boiler control, Steam-. J. Wilkinson. No. 1,095,133; Apr. 28; Gaz. vol. 201; p. 1161.
- Boiler-cover. M. L. Beugless. No. 1,121,893; Dec. 22; Gaz. vol. 209; p. 1163.
- Boiler draft-regulating device, Fire-tube-. C. W. Schulz. No. 1,120,550; Dec. 8; Gaz. vol. 209; p. 609.
- Boiler-feed control. B. F. Frizzell. No. 1,091,742; Mar. 31; Gaz. vol. 200; p. 1215.
- Boiler-feed regulator. R. M. Hunter. No. 1,117,388; Nov. 17; Gaz. vol. 208; p. 749.
- Boiler-feed system. J. Wilkinson. No. 1,105,736; Aug. 4; Gaz. vol. 205; p. 53.
- Boiler feed-water, Means for heating. B. R. Skinner. No. 1,108,633; Aug. 25; Gaz. vol. 205; p. 1205.
- Boiler-feeding attachment. M. Becker. No. 1,119,391; Dec. 1; Gaz. vol. 209; p. 171.
- Boiler fire-box. W. J. Leighty. No. 1,117,145; Nov. 10; Gaz. vol. 208; p. 623.
- Boiler fire-box. J. M. McClellon. No. 1,111,266; Sept. 22; Gaz. vol. 206; p. 975.

Alphabetical list of inventions—Continued.

- Boiler fire-box, Locomotive-. J. T. Anthony. No. 1,118,615; Nov. 24; Gaz. vol. 208; p. 1219.
- Boiler fire-box, Locomotive-. F. F. Gaines. No. 1,118,646; Nov. 24; Gaz. vol. 208; p. 1230.
- Boiler-flue. H. W. Jacobs and F. W. Shupert. No. 1,093,429; Apr. 14; Gaz. vol. 201; p. 481.
- Boiler-flue cleaner. R. H. Bate, Jr. No. 1,116,366; Nov. 10; Gaz. vol. 208; p. 347.
- Boiler-flue cleaner. O. S. Hanson. No. 1,099,297; June 9; Gaz. vol. 203; p. 361.
- Boiler-flue-fastening means. F. Schmitt. No. 1,089,970; Mar. 10; Gaz. vol. 200; p. 492.
- Boiler-flue reinforcement. H. A. Oppenrud. No. 1,102,163; June 30; Gaz. vol. 203; p. 1493.
- Boiler-flue swage. J. C. Tassey. No. 1,102,818; July 7; Gaz. vol. 204; p. 208.
- Boiler-flues, Protector for the beads of. J. E. Langdon. No. 1,112,373; Sept. 29; Gaz. vol. 206; p. 1394.
- Boiler-furnace. J. M. Cameron. No. 1,093,911; Apr. 21; Gaz. vol. 201; p. 684.
- Boiler-furnace. L. S. Powell. No. 1,113,482; Oct. 13; Gaz. vol. 207; p. 418.
- Boiler-furnace. R. F. Sturrock. No. 1,103,098; July 14; Gaz. vol. 204; p. 351.
- Boiler-furnace. A. C. Wood. No. 1,097,598; May 19; Gaz. vol. 202; p. 909.
- Boiler-furnace. J. M. Woodling. No. 1,091,996; Mar. 31; Gaz. vol. 200; p. 1303.
- Boiler furnace, Locomotive-. C. B. Moore. No. 1,115,230; Oct. 27; Gaz. vol. 207; p. 1125.
- Boiler furnace, Locomotive-. C. B. Moore. No. 1,115,231; Oct. 27; Gaz. vol. 207; p. 1126.
- Boiler furnace, Locomotive-. C. B. Moore. No. 1,115,955; Nov. 3; Gaz. vol. 208; p. 166.
- Boiler furnace, Locomotive-. C. B. Moore. No. 1,115,956; Nov. 3; Gaz. vol. 208; p. 167.
- Boiler furnace, Locomotive-. C. B. Moore. No. 1,115,957; Nov. 3; Gaz. vol. 208; p. 167.
- Boiler furnace, Locomotive-. C. B. Moore. No. 1,115,958; Nov. 3; Gaz. vol. 208; p. 168.
- Boiler furnace, Locomotive-. C. B. Moore. No. 1,118,567; Nov. 24; Gaz. vol. 208; p. 1203.
- Boiler furnace, Locomotive-. C. B. Moore. No. 1,118,568; Nov. 24; Gaz. vol. 208; p. 1203.
- Boiler-furnace, Smokeless. F. A. Shoemaker. No. 1,097,735; May 26; Gaz. vol. 202; p. 1003.
- Boiler furnace, Steam-. G. S. Gallagher. No. 1,084,853; Jan. 20; Gaz. vol. 198; p. 591.
- Boiler furnace, Steam-. G. S. Gallagher. No. 1,085,859; Feb. 3; Gaz. vol. 199; p. 100.
- Boiler furnace, Steam-. C. E. Lloyd. No. 1,093,790; Apr. 21; Gaz. vol. 201; p. 642.
- Boiler indicator, Steam-. V. B. Marrs. No. 1,095,012; Apr. 28; Gaz. vol. 201; p. 1122.
- Boiler furnace, Steam-. F. C. Stimmel. No. 1,089,879; Mar. 10; Gaz. vol. 200; p. 461.
- Boiler furnaces, Refractory arch for locomotive-. C. B. Moore. No. 1,109,692; Sept. 8; Gaz. vol. 206; p. 336.
- Boiler glass gage. W. F. Otto. No. 1,121,656; Dec. 22; Gaz. vol. 209; p. 1079.
- Boiler-grate. D. K. Briggs and T. N. Smith. No. 1,121,791; Dec. 22; Gaz. vol. 209; p. 1126.
- Boiler low-water-alarm device. L. R. Jones. No. 1,110,442; Sept. 15; Gaz. vol. 206; p. 644.
- Boiler or heater. A. H. Morrow. No. 1,085,754; Feb. 3; Gaz. vol. 199; p. 63.
- Boiler-patch. H. L. Stull. No. 1,096,070; May 12; Gaz. vol. 202; p. 341.
- Boiler-plug. E. J. McCarty. No. 1,101,084; June 23; Gaz. vol. 203; p. 1069.
- Boiler plug, Steam-. S. R. Kent. No. 1,093,434; Apr. 14; Gaz. vol. 201; p. 483.
- Boiler safety appliance, Steam-. J. B. Kilkenny. No. 1,087,496; Feb. 17; Gaz. vol. 199; p. 764.
- Boiler-scraper. W. J. Omer and J. C. Stull. No. 1,095,591; May 5; Gaz. vol. 202; p. 142.
- Boiler seam-cracks, Facilitating the detection of steam-. S. F. Jeter. No. 1,091,847; Mar. 31; Gaz. vol. 200; p. 1254.
- Boiler setting, Steam-. M. W. Sewall. No. 1,090,947; Mar. 24; Gaz. vol. 200; p. 901.
- Boiler-stand. F. Sutcliffe. No. 1,109,556; Sept. 1; Gaz. vol. 206; p. 244.
- Boiler-stand, Adjustable. J. Lafrance. No. 1,086,375; Feb. 10; Gaz. vol. 199; p. 323.
- Boiler stay-bolt, Flexible. J. R. Flannery. No. 1,111,691; Sept. 22; Gaz. vol. 206; p. 1122.
- Boiler-tube cleaner. F. Herle. No. 1,104,262; July 21; Gaz. vol. 204; p. 795.
- Boiler-tube cleaner. C. F. Lumb. No. 1,121,192; Dec. 15; Gaz. vol. 209; p. 883.
- Boiler-tube cleaner. D. M. Myers. No. 1,084,468; Jan. 13; Gaz. vol. 198; p. 429.
- Boiler-tube-cutting tool. H. L. Renner. No. 1,095,229; May 5; Gaz. vol. 202; p. 20.
- Boiler-tube emergency-plug. A. T. Anderson. No. 1,085,519; Jan. 27; Gaz. vol. 198; p. 852.
- Boiler-tube roller-expander. R. J. Adams. No. 1,108,655; Aug. 25; Gaz. vol. 205; p. 1213.
- Boiler-tube tool. C. G. Baker. No. 1,116,205; Nov. 3; Gaz. vol. 208; p. 252.
- Boiler washing and filling system. F. W. Miller. No. 1,109,351; Sept. 1; Gaz. vol. 206; p. 176.
- Boiler washing and filling system. F. W. Miller. No. 1,109,352; Sept. 1; Gaz. vol. 206; p. 177.
- Boiler washing and filling system. F. W. Miller. No. 1,109,353; Sept. 1; Gaz. vol. 206; p. 177.
- Boiler washing and filling system. F. W. Miller. No. 1,109,354; Sept. 1; Gaz. vol. 206; p. 177.
- Boiler-washing system. W. M. Saxton and C. C. Hodge. No. 1,089,272; Mar. 3; Gaz. vol. 200; p. 204.
- Boiler water-circulator. J. Tait. No. 1,106,749; Aug. 11; Gaz. vol. 205; p. 450.
- Boiler water-circulator, Steam-. J. E. Tull. No. 1,109,882; Sept. 8; Gaz. vol. 206; p. 403.
- Boiler water-feed controller, Steam-. L. S. Watres. No. 1,087,999; Feb. 24; Gaz. vol. 199; p. 985.
- Boiler with fire-tube superheater. S. Hoffmann. No. 1,104,756; July 21; Gaz. vol. 204; p. 967.
- Boilers, Antisiphon device for kitchen-range. J. Podolsky. No. 1,117,702; Nov. 17; Gaz. vol. 208; p. 860.
- Boilers, &c., Apparatus for returning water of condensation to. G. L. C. Earle. No. 1,121,339; Dec. 15; Gaz. vol. 209; p. 933.
- Boilers, Automatic circulator for steam-. A. McNab. No. 1,103,425; July 14; Gaz. vol. 204; p. 463.
- Boilers, Circulating means for. R. D. Jeffreys. No. 1,083,281; Jan. 6; Gaz. vol. 198; p. 7.
- Boilers, Division-wall for water-tube. W. F. Sellers and H. B. Bradford. No. 1,105,213; July 28; Gaz. vol. 204; p. 1174.
- Boilers, Fire-door for steam-. C. Edgerton. No. 1,117,649; Nov. 17; Gaz. vol. 208; p. 841.
- Boilers, Fuel-regulator for steam-. R. Miehle. No. 1,092,781; Apr. 7; Gaz. vol. 201; p. 225.
- Boilers, Hand-hole cover for. W. Brown. No. 1,085,965; Feb. 3; Gaz. vol. 199; p. 138.
- Boilers, Hand-hole cover-plate for. W. Brown. No. 1,085,966; Feb. 3; Gaz. vol. 199; p. 138.
- Boilers, Mixed firing of. E. Koerting. No. 1,118,137; Nov. 24; Gaz. vol. 208; p. 1051.
- Boilers, Preboiler for steam-. W. O. Hoppe. No. 1,089,643; Mar. 10; Gaz. vol. 200; p. 380.
- Boilers, &c., Producing means for preventing scales on. H. Kersken and E. Bodstein. No. 1,097,551; May 19; Gaz. vol. 202; p. 893.
- Boilers, Protective water-gage glass for. J. J. Davis and T. F. Terry. No. 1,090,519; Mar. 17; Gaz. vol. 200; p. 726.
- Boilers, Purifier for steam-. H. H. Ralph. No. 1,120,405; Dec. 8; Gaz. vol. 209; p. 557.
- Boilers, Sectional header for water-tube. H. E. Boyrie. No. 1,085,241; Jan. 27; Gaz. vol. 198; p. 758.
- Boilers, Self-regulating water-feeder for. A. Pinacchiotti. No. 1,085,092; Jan. 20; Gaz. vol. 198; p. 669.
- Boilers, Spray-header for. H. D. Kelly. No. 1,087,242; Feb. 17; Gaz. vol. 199; p. 676.
- Boilers, Steamer attachment for. B. Weber. No. 1,083,783; Jan. 6; Gaz. vol. 198; p. 173.
- Boilers, System and apparatus for blowing off, washing, and filling locomotive-. T. N. Gilmore. No. 1,117,947; Nov. 17; Gaz. vol. 208; p. 944.
- Boilers, System of cleaning and refilling locomotive-. F. A. Gale. No. 1,087,362; Feb. 17; Gaz. vol. 199; p. 716.
- Boilers, Tool for spreading the tubes of water-tube. J. Keers. No. 1,092,840; Apr. 14; Gaz. vol. 201; p. 281.
- Boilers, Water-circulating system for. A. E. Axlund. No. 1,087,480; Feb. 17; Gaz. vol. 199; p. 758.
- Boilers, water-pipes, &c., Scraper for water-tube. G. Restucci. No. 1,097,673; May 26; Gaz. vol. 202; p. 981.
- Bolt breaker and cleaner. J. W. Hale and J. I. Galey. No. 1,110,776; Sept. 15; Gaz. vol. 206; p. 760.
- Bolt-weevil destroyer. C. P. Chandler. No. 1,087,214; Feb. 17; Gaz. vol. 199; p. 664.
- Bolt-weevil exterminator. W. F. Griffin. No. 1,109,060; Sept. 1; Gaz. vol. 206; p. 73.
- Bolt-weevils, Machine for removing. S. F. Jones. No. 1,086,057; Feb. 3; Gaz. vol. 199; p. 171.
- Bolster. K. M. Hamilton. No. 1,109,629; Sept. 1; Gaz. vol. 206; p. 271.
- Bolster, Separable body-. C. T. Westlake. No. 1,089,450; Mar. 10; Gaz. vol. 200; p. 313.
- Bolster, Separable body-. C. T. Westlake. No. 1,114,209; Oct. 20; Gaz. vol. 207; p. 712.
- Bolster-spring. H. Sundby. No. 1,084,828; Jan. 20; Gaz. vol. 198; p. 582.
- Bolster-springs, Means for attaching. T. R. Baker. No. 1,108,316; Aug. 25; Gaz. vol. 205; p. 1096.
- Bolster-stake holder. C. Faust. No. 1,096,028; May 12; Gaz. vol. 202; p. 327.
- Bolt: See Boiler stay-bolt; Coupling-bolt; Door-bolt; Emergency-bolt; Expansible bolt; Expansion-bolt; Fire-door bolt; Flexible stay-bolt; Flush bolt; Hanger-bolt; King-bolt; Nutless bolt; Plow-point bolt; Slidable bolt; Spacer-bolt; Stay-bolt; Toggle-bolt.
- Bolt. W. Gould. No. 1,087,759; Feb. 17; Gaz. vol. 199; p. 855.
- Bolt. G. B. Kohler. No. 1,111,657; Sept. 22; Gaz. vol. 206; p. 1109.

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- Bolt-anchor. L. B. Abbott. No. 1,095,366; May 5; Gaz. vol. 202; p. 66.
- Bolt-anchor. D. W. Bennett. No. 1,108,859; Aug. 25; Gaz. vol. 205; p. 1283.
- Bolt-anchor. T. F. Keller. No. 1,116,710; Nov. 10; Gaz. vol. 208; p. 472.
- Bolt-anchor. A. Law. No. 1,119,843; Dec. 8; Gaz. vol. 209; p. 360.
- Bolt-anchor, Expansion. J. Kennedy. No. 1,112,069; Sept. 29; Gaz. vol. 206; p. 1287.
- Bolt-anchors, Manufacture of. C. Joseph. No. 1,111,749; Sept. 29; Gaz. vol. 206; p. 1176.
- Bolt and nut lock. L. J. Klein. No. 1,121,258; Dec. 15; Gaz. vol. 209; p. 906.
- Bolt and nut lock. H. A. Pinegar. No. 1,114,381; Oct. 20; Gaz. vol. 207; p. 772.
- Bolt and nut lock. D. D. Tulloch. No. 1,097,484; May 19; Gaz. vol. 202; p. 872.
- Bolt and rivet header. W. L. Clouse. No. 1,085,798; Feb. 3; Gaz. vol. 199; p. 79.
- Bolt and rivet heading machine. M. Champion. No. 1,103,659; July 14; Gaz. vol. 204; p. 549.
- Bolt connection. I. S. Downing. No. 1,114,239; Oct. 20; Gaz. vol. 207; p. 722.
- Bolt-cutting machine. A. M. Harrington and R. F. Scott. No. 1,090,299; Mar. 17; Gaz. vol. 200; p. 649.
- Bolt-facing machine. A. M. Harrington and R. F. Scott. No. 1,090,298; Mar. 17; Gaz. vol. 200; p. 648.
- Bolt-head. W. W. Emsley. No. 1,096,701; May 12; Gaz. vol. 202; p. 555.
- Bolt-head holder. J. K. Champ. No. 1,099,426; June 9; Gaz. vol. 203; p. 407.
- Bolt-head-trimming machine. T. A. Elliott. No. 1,102,024; June 30; Gaz. vol. 203; p. 1446.
- Bolt-heading machine. J. R. Blakeslee. No. 1,111,729; Sept. 29; Gaz. vol. 206; p. 1168.
- Bolt-lock. M. F. Gossweiler. No. 1,103,902; July 14; Gaz. vol. 204; p. 631.
- Bolt-lock. W. F. Myers. No. 1,087,041; Feb. 10; Gaz. vol. 199; p. 552.
- Bolt-lock, Multiple. A. S. Hill. No. 1,090,058; Mar. 10; Gaz. vol. 200; p. 523.
- Bolt-machines, Safety device for. T. A. Welch. No. 1,111,424; Sept. 22; Gaz. vol. 206; p. 1028.
- Bolt mechanism. J. R. Blakeslee. No. 1,119,491; Dec. 1; Gaz. vol. 209; p. 204.
- Bolt mechanism, Door. C. A. Berry. No. 1,086,125; Feb. 3; Gaz. vol. 199; p. 195.
- Bolt mechanism, Door. C. A. Berry. No. 1,086,126; Feb. 3; Gaz. vol. 199; p. 196.
- Bolt-operating mechanism for safe-doors. B. F. Klohs. No. 1,118,426; Nov. 24; Gaz. vol. 208; p. 1153.
- Bolt-pointing machines, Stock holding and delivering mechanism for. D. Julian. No. 1,108,448; Aug. 25; Gaz. vol. 205; p. 1140.
- Bolt-threading machine. A. M. Harrington and R. F. Scott. No. 1,085,577; Jan. 27; Gaz. vol. 198; p. 870.
- Bolt-threading machine. A. B. Landis. No. 1,107,621; Aug. 18; Gaz. vol. 205; p. 805.
- Bolt-threading machine. A. B. Landis. No. 1,112,539; Oct. 6; Gaz. vol. 207; p. 45.
- Bolt-threading machine. R. F. Scott and A. M. Harrington. No. 1,114,704; Oct. 20; Gaz. vol. 207; p. 884.
- Bolt-threading machine. C. Vale and T. C. Mundy. No. 1,112,175; Sept. 29; Gaz. vol. 206; p. 1324.
- Bolts, screws, rivets, &c. by upsetting, Heading. H. Müller. No. 1,096,555; May 12; Gaz. vol. 202; p. 506.
- Bolting mechanism. C. C. McColly. No. 1,104,434; July 21; Gaz. vol. 204; p. 854.
- Bonbon-machine. R. Gaebel. No. 1,116,408; Nov. 10; Gaz. vol. 208; p. 361.
- Bond, Inductive or transformer. J. S. Lennox. No. 1,085,616; Feb. 3; Gaz. vol. 199; p. 13.
- Bond-wires and nut-locks, Intermediate support for. W. M. Post. No. 1,089,787; Mar. 10; Gaz. vol. 200; p. 429.
- Bonding-pin. F. C. Lavarack. No. 1,097,340; May 19; Gaz. vol. 202; p. 823.
- Bonding-strap. R. Reid. No. 1,118,806; Nov. 24; Gaz. vol. 208; p. 1283.
- Bone-black-drying apparatus. M. Weinrich. No. 1,121,429; Dec. 15; Gaz. vol. 209; p. 964.
- Bone-saw, &c. J. K. Dalton. No. 1,097,171; May 19; Gaz. vol. 202; p. 763.
- Bones, Stretching device for the treatment of fractured. G. Petry. No. 1,101,954; June 30; Gaz. vol. 203; p. 1420.
- Bonnet, Collapsible. C. G. Davison. No. 1,096,415; May 12; Gaz. vol. 202; p. 459.
- Bonus-determining device. H. E. Oliver. No. 1,104,069; July 21; Gaz. vol. 204; p. 730.
- Book. E. S. Browne. No. 1,085,536; Jan. 27; Gaz. vol. 198; p. 857.
- Book. W. H. Radford. No. 1,091,162; Mar. 24; Gaz. vol. 200; p. 977.
- Book, Account-. H. G. Hook. No. 1,083,280; Jan. 6; Gaz. vol. 198; p. 6.
- Book, Account-. W. O. Johnson. No. 1,113,159; Oct. 6; Gaz. vol. 207; p. 258.
- Book, Account-. W. H. Maxwell. No. 1,089,364; Mar. 3; Gaz. vol. 200; p. 235.
- Book, Account-. E. C. Olson. No. 1,117,146; Nov. 10; Gaz. vol. 208; p. 624.
- Book, Account deposit-. O. V. Smith. No. 1,101,346; June 23; Gaz. vol. 203; p. 1157.
- Book and copy holder, Note-. A. V. A. Felten. No. 1,086,906; Feb. 10; Gaz. vol. 199; p. 509.
- Book, Bank pass-. M. P. Exline. No. 1,120,463; Dec. 8; Gaz. vol. 209; p. 579.
- Book, Blank. S. R. Clark. No. 1,095,815; May 5; Gaz. vol. 202; p. 219.
- Book, Blank-form. A. M. Sinclair. No. 1,115,602; Nov. 3; Gaz. vol. 208; p. 46.
- Book, Car record and index. J. A. Williams. No. 1,098,540; June 2; Gaz. vol. 203; p. 65.
- Book-carrier. A. Dean and F. de Marinis. No. 1,110,907; Sept. 15; Gaz. vol. 206; p. 808.
- Book, Check-. J. Q. Adams, Sr. No. 1,099,731; June 9; Gaz. vol. 203; p. 510.
- Book, Check-. L. B. Pendleton. No. 1,118,042; Nov. 24; Gaz. vol. 208; p. 1018.
- Book, Child's. R. H. Garman. No. 1,110,434; Sept. 15; Gaz. vol. 206; p. 641.
- Book, Combination cash, journal, and ledger. C. L. Smith. No. 1,117,609; Nov. 17; Gaz. vol. 208; p. 825.
- Book, Combined trading-stamp-deposit and advertising. W. J. Schoonmaker. No. 1,096,565; May 12; Gaz. vol. 202; p. 510.
- Book, Coupon-. W. W. Syfert. No. 1,086,569; Feb. 10; Gaz. vol. 199; p. 392.
- Book, Coupon-. H. C. Wood. No. 1,110,367; Sept. 15; Gaz. vol. 206; p. 616.
- Book-cover. W. F. Knap. No. 1,109,846; Sept. 8; Gaz. vol. 206; p. 390.
- Book-cover. C. W. Thurston and S. E. Dudley. No. 1,103,102; July 14; Gaz. vol. 204; p. 353.
- Book cover and support, Note-. T. E. Smith. No. 1,099,775; June 9; Gaz. vol. 203; p. 525.
- Book-cover-attaching device. T. S. Etheridge. No. 1,114,740; Oct. 27; Gaz. vol. 207; p. 949.
- Book cover, Blank-. J. W. Gearhart. No. 1,105,505; July 28; Gaz. vol. 204; p. 1278.
- Book cover, Blank-. J. W. Gearhart. No. 1,105,506; July 28; Gaz. vol. 204; p. 1279.
- Book cover, Blank-. J. W. Gearhart. No. 1,105,507; July 28; Gaz. vol. 204; p. 1279.
- Book-cover, Detachable. H. C. Folger. No. 1,088,269; Feb. 24; Gaz. vol. 199; p. 1078.
- Book covers, machine for making check-. C. H. Krausgrill. No. 1,113,022; Oct. 6; Gaz. vol. 207; p. 211.
- Book-cutting machine. P. Heldmann. No. 1,088,573; Feb. 24; Gaz. vol. 199; p. 1177.
- Book-holder. H. Andree. No. 1,108,963; Sept. 1; Gaz. vol. 206; p. 37.
- Book-holder. E. R. Lundius. No. 1,117,072; Nov. 10; Gaz. vol. 208; p. 598.
- Book-holder. W. H. Smith. No. 1,083,764; Jan. 6; Gaz. vol. 198; p. 168.
- Book holder, Check-. E. L. Henderson. No. 1,089,557; Mar. 10; Gaz. vol. 200; p. 350.
- Book holder, Check-. J. F. Shoemaker. No. 1,108,631; Aug. 25; Gaz. vol. 205; p. 1205.
- Book holder, Note-. F. Jepson. No. 1,085,264; Jan. 27; Gaz. vol. 198; p. 767.
- Book, Illustrated. R. H. Garman. No. 1,089,922; Mar. 10; Gaz. vol. 200; p. 477.
- Book, Index-. J. Barker. No. 1,108,317; Aug. 25; Gaz. vol. 205; p. 1097.
- Book, Indexed. R. H. Tyler. No. 1,084,981; Jan. 20; Gaz. vol. 198; p. 632.
- Book-leaf. J. M. Proudfit. No. 1,107,351; Aug. 18; Gaz. vol. 205; p. 709.
- Book, Loose-leaf. F. E. Housh. No. 1,083,539; Jan. 6; Gaz. vol. 198; p. 93.
- Book, Loose-leaf. J. L. McMillan. No. 1,121,197; Dec. 15; Gaz. vol. 209; p. 885.
- Book, Loose-leaf. J. J. Noonan. No. 1,115,964; Nov. 3; Gaz. vol. 208; p. 170.
- Book, Loose-leaf loose-card. T. W. Thomas. No. 1,119,768; Dec. 1; Gaz. vol. 209; p. 297.
- Book, Manifold-. W. G. Born. No. 1,085,014; Jan. 20; Gaz. vol. 198; p. 644.
- Book, Manifold sales-check. E. Rothschild. No. 1,117,913; Nov. 17; Gaz. vol. 208; p. 932.
- Book, Manifolding-. D. F. Dillin. No. 1,122,870; Dec. 29; Gaz. vol. 209; p. 1540.
- Book, Manifolding-. B. C. Maxwell. No. 1,105,571; July 28; Gaz. vol. 204; p. 1301.
- Book, Manifolding sales-. E. K. Bottle. No. 1,107,577; Aug. 18; Gaz. vol. 205; p. 790.
- Book, Manifolding sales-. E. K. Bottle. No. 1,107,578; Aug. 18; Gaz. vol. 205; p. 790.
- Book, Manifolding sales-. E. K. Bottle. No. 1,108,486; Aug. 25; Gaz. vol. 205; p. 1155.
- Book, Manifolding sales-. E. K. Bottle. No. 1,108,487; Aug. 25; Gaz. vol. 205; p. 1155.
- Book, Manifolding sales-. E. K. Bottle. No. 1,112,761; Oct. 6; Gaz. vol. 207; p. 124.
- Book, Manifolding sales-. W. Greig. No. 1,102,739; July 7; Gaz. vol. 204; p. 181.

Alphabetical list of inventions—Continued.

- Book, Manifold sales-. G. L. Mickel. No. 1,084,811; Jan. 20; Gaz. vol. 198; p. 576.
- Book manipulator, Manifold sales-. A. R. Turk. No. 1,090,582; Mar. 17; Gaz. vol. 200; p. 748.
- Book-mark and leaf-turner, Combined. W. F. Silliman. No. 1,110,013; Sept. 8; Gaz. vol. 206; p. 450.
- Book-marker. J. D. Lane. No. 1,112,813; Oct. 6; Gaz. vol. 207; p. 141.
- Book-marker. W. A. Overbeck. No. 1,083,853; Jan. 6; Gaz. vol. 198; p. 193.
- Book-marker. E. W. Rice. No. 1,123,008; Dec. 29; Gaz. vol. 209; p. 1588.
- Book-marker. A. S. Ridenour. No. 1,100,780; June 23; Gaz. vol. 203; p. 960.
- Book marker or indicator. W. A. Rutty and J. B. Edward. No. 1,089,348; Mar. 3; Gaz. vol. 200; p. 229.
- Book, Mechanical. W. H. Robinson. No. 1,090,502; Mar. 17; Gaz. vol. 200; p. 720.
- Book, Memorandum-. A. Mieden. No. 1,096,181; May 12; Gaz. vol. 202; p. 378.
- Book, Multicolor manifold sales-. W. Greig. No. 1,108,573; Aug. 25; Gaz. vol. 205; p. 1185.
- Book or pamphlet making machine. C. Gitzendanner. No. 1,092,439; Apr. 7; Gaz. vol. 201; p. 109.
- Book or pamphlet making machine. C. Gitzendanner. No. 1,118,409; Nov. 24; Gaz. vol. 208; p. 1146.
- Book, Quadruplicating-. C. L. Johnston and C. L. Bluett. No. 1,087,091; Feb. 10; Gaz. vol. 199; p. 568.
- Book-rest. L. I. Hughes. No. 1,117,386; Nov. 17; Gaz. vol. 208; p. 749.
- Book rest, Rotatable open-. W. J. Walsh. No. 1,093,220; Apr. 14; Gaz. vol. 201; p. 411.
- Book rest, Rotatable open-. W. J. Walsh. No. 1,100,106; June 16; Gaz. vol. 203; p. 676.
- Book-ring. L. M. Morden and J. Buchanan. No. 1,119,786; Dec. 1; Gaz. vol. 209; p. 303.
- Book, Sales-. W. Greig. No. 1,107,295; Aug. 18; Gaz. vol. 205; p. 638.
- Book-stand. W. Templin. No. 1,096,575; May 12; Gaz. vol. 202; p. 512.
- Book-trimming machines, Feeder for. J. Rowe. No. 1,118,152; Nov. 24; Gaz. vol. 208; p. 1056.
- Book, Triplicate order or sales. O. S. Gauch and S. D. Inscho. No. 1,115,064; Oct. 27; Gaz. vol. 207; p. 1066.
- Books and the like, Attachment for. J. W. Mawbey. No. 1,109,345; Sept. 1; Gaz. vol. 206; p. 174.
- Books and the like, Leaf or insert for. H. Seeligson. No. 1,114,920; Oct. 27; Gaz. vol. 207; p. 1015.
- Books and the like, Page-holder for. V. Waring. No. 1,094,502; Apr. 28; Gaz. vol. 201; p. 942.
- Books and the like, Support for note-. J. Walker. No. 1,098,999; June 2; Gaz. vol. 203; p. 217.
- Books, Applying indexes to the edges of. L. R. Smith. No. 1,119,997; Dec. 8; Gaz. vol. 209; p. 413.
- Books, Fitting for loose-leaf. F. Jr. and E. Eilers. No. 1,100,548; June 16; Gaz. vol. 203; p. 828.
- Books, Hanger for. W. Y. Dear. No. 1,088,012; Feb. 24; Gaz. vol. 199; p. 990.
- Books, Holder for manifold sales-. H. C. Banwell. No. 1,088,054; Feb. 24; Gaz. vol. 199; p. 1004.
- Books in covers, Device for retaining. W. J. Kennedy. No. 1,089,769; Mar. 10; Gaz. vol. 200; p. 423.
- Books, Leaf and cover holder for. R. Krumming. No. 1,090,632; Mar. 17; Gaz. vol. 200; p. 765.
- Books, Machine for applying fly-leaves or the like to signatures of. A. Caben. No. 1,114,962; Oct. 27; Gaz. vol. 207; p. 1029.
- Books, Means for binding. K. W. Hanke. No. 1,105,196; July 28; Gaz. vol. 204; p. 1167.
- Bookbinder's rounding and backing machine. H. C. Eldredge. No. 1,097,012; May 19; Gaz. vol. 202; p. 705.
- Bookbinder's signature-holding clamp. E. F. Price. No. 1,118,581; Nov. 24; Gaz. vol. 208; p. 1208.
- Bookbinding. F. H. Crump. No. 1,093,835; Apr. 21; Gaz. vol. 201; p. 659.
- Bookbinding. S. J. Harbaugh. No. 1,086,768; Feb. 10; Gaz. vol. 199; p. 461.
- Bookbinding. W. B. Wait. No. 1,090,663; Mar. 17; Gaz. vol. 200; p. 775.
- Bookbinding, Book-leaves slotter for. C. Ans. No. 1,105,056; July 28; Gaz. vol. 204; p. 1120.
- Bookcase. J. E. Goggin. No. 1,120,050; Dec. 8; Gaz. vol. 209; p. 432.
- Bookcase and vault therefor, Combined. T. J. Scott. No. 1,110,721; Sept. 15; Gaz. vol. 206; p. 743.
- Bookcase, Sectional. C. J. Lundstrom. No. 1,116,304; Nov. 3; Gaz. vol. 208; p. 284.
- Boom, Portable. W. Schirmer. No. 1,122,236; Dec. 22; Gaz. vol. 209; p. 1280.
- Booster regulation. C. Ambruster and H. M. Beck. No. 1,084,595; Jan. 20; Gaz. vol. 198; p. 501.
- Boot and shoe. F. F. Eno. No. 1,110,121; Sept. 8; Gaz. vol. 206; p. 490.
- Boot and shoe. M. S. Hess. No. 1,114,352; Oct. 20; Gaz. vol. 207; p. 761.
- Boot and shoe. J. Jepperson. No. 1,112,290; Sept. 29; Gaz. vol. 206; p. 1364.
- Boot and shoe. J. E. Smith. No. 1,102,096; June 30; Gaz. vol. 203; p. 1470.
- Boot and shoe. C. Tweedie. No. 1,115,038; Oct. 27; Gaz. vol. 207; p. 1057.
- Boot and shoe attachment. E. Fuller. No. 1,087,361; Feb. 17; Gaz. vol. 199; p. 715.
- Boot and shoe, Composite. G. F. Butterfield. No. 1,111,437; Sept. 22; Gaz. vol. 206; p. 1032.
- Boot and shoe counter and toe stiffener. W. B. White. No. 1,088,313; Feb. 24; Gaz. vol. 199; p. 1092.
- Boot and shoe counter and toe stiffener. W. B. White. No. 1,102,113; June 30; Gaz. vol. 203; p. 1477.
- Boot and shoe machine. G. Parmentier. No. 1,118,438; Nov. 24; Gaz. vol. 208; p. 1158.
- Boot and shoe machine work-support. W. C. Stewart. No. 1,118,967; Dec. 1; Gaz. vol. 209; p. 22.
- Boot and shoe pull-on device. E. C. Jacobs. No. 1,100,692; June 16; Gaz. vol. 203; p. 874.
- Boot and shoe pull-on device. E. C. Jacobs. No. 1,100,693; June 16; Gaz. vol. 203; p. 875.
- Boot and shoe upper forming machine. L. M. Brown. No. 1,120,680; Dec. 15; Gaz. vol. 209; p. 703.
- Boot and shoe welt. W. B. White. No. 1,086,877; Feb. 10; Gaz. vol. 199; p. 499.
- Boot and the like. D. McAuslin. No. 1,100,758; June 23; Gaz. vol. 203; p. 953.
- Boot-cleaner. G. E. Goudschaal. No. 1,092,832; Apr. 14; Gaz. vol. 201; p. 279.
- Boot for animals. H. W. A. and J. O. Salter. No. 1,101,759; June 30; Gaz. vol. 203; p. 1349.
- Boot or shoe. R. E. Bartels. No. 1,089,036; Mar. 3; Gaz. vol. 200; p. 124.
- Boot or shoe. E. C. Jacobs. (Reissue.) No. 13,852; Dec. 22; Gaz. vol. 209; p. 1288.
- Boot or shoe, Laced. E. Forbes. No. 1,088,067; Feb. 24; Gaz. vol. 199; p. 1008.
- Boot or shoe, Machine for setting lacing-hooks in the upper of a. A. R. Havener. No. 1,090,103; Mar. 10; Gaz. vol. 200; p. 538.
- Boot or shoe pull-on device. E. C. Beaumont. No. 1,095,954; May 5; Gaz. vol. 202; p. 264.
- Boot or shoe tree or last. A. P. H. Brozukat. No. 1,098,936; June 2; Gaz. vol. 203; p. 197.
- Boot-tree. C. Resch. No. 1,095,420; May 5; Gaz. vol. 202; p. 84.
- Boot-tree former. M. Lucchese. No. 1,089,567; Mar. 10; Gaz. vol. 200; p. 354.
- Boot-ventilator. R. Wächter. No. 1,113,266; Oct. 13; Gaz. vol. 207; p. 340.
- Boots and shoes, Apparatus for use in the manufacture of. W. A. Boyden. No. 1,094,547; Apr. 28; Gaz. vol. 201; p. 957.
- Boots and shoes, Apparatus for use in the manufacture of. F. E. Fernald. No. 1,094,546; Apr. 28; Gaz. vol. 201; p. 956.
- Boots and shoes, Apparatus for use in the manufacture of. E. L. Keyes. No. 1,094,548; Apr. 28; Gaz. vol. 201; p. 957.
- Boots and shoes, Fly-closer for. C. A. Bonney. No. 1,108,965; Sept. 1; Gaz. vol. 206; p. 37.
- Boots and shoes, Fly-closer for button. C. A. Bonney. No. 1,108,966; Sept. 1; Gaz. vol. 206; p. 38.
- Boots and shoes, Machine for assembling parts of. O. Ashton. No. 1,109,655; Sept. 8; Gaz. vol. 206; p. 321.
- Boots and shoes, Machine for operating upon. A. Bates and T. Briggs. No. 1,105,605; Aug. 4; Gaz. vol. 205; p. 6.
- Boots and shoes, Machine for use in the manufacture of. O. Ashton. No. 1,102,465; July 7; Gaz. vol. 204; p. 86.
- Boots and shoes, Machine for use in the manufacture of. O. Ashton. No. 1,113,086; Oct. 6; Gaz. vol. 207; p. 232.
- Boots and shoes, Machine for use in the manufacture of. A. Bates. No. 1,095,261; May 5; Gaz. vol. 202; p. 30.
- Boots and shoes, Machine for use in the manufacture of. A. Bates. No. 1,116,484; Nov. 3; Gaz. vol. 208; p. 6.
- Boots and shoes, Machine for use in the manufacture of. C. Bennion. No. 1,092,470; Apr. 7; Gaz. vol. 201; p. 120.
- Boots and shoes, Machine for use in the manufacture of. M. F. Brogan. No. 1,103,935; July 21; Gaz. vol. 204; p. 684.
- Boots and shoes, Machine for use in the manufacture of. L. G. Freeman. No. 1,113,114; Oct. 6; Gaz. vol. 207; p. 242.
- Boots and shoes, Machine for use in the manufacture of. B. F. Mayo. No. 1,106,394; Aug. 11; Gaz. vol. 205; p. 322.
- Boots and shoes, Machine for use in the manufacture of. A. H. Prenzel. No. 1,093,008; Apr. 14; Gaz. vol. 201; p. 338.
- Boots and shoes, Machine for use in the manufacture of. A. L. Russell. No. 1,093,651; Apr. 21; Gaz. vol. 201; p. 596.
- Boots and shoes, Machine for wax-treating parts of. C. Pease. No. 1,094,377; Apr. 21; Gaz. vol. 201; p. 836.
- Boots and shoes, Making. W. B. Arnold. No. 1,085,002; Jan. 20; Gaz. vol. 198; p. 639.
- Boots and shoes, Making. F. C. Stalker. No. 1,102,101; June 30; Gaz. vol. 203; p. 1472.
- Boots and shoes, Manufacture of. K. Engel. No. 1,122,195; Dec. 22; Gaz. vol. 209; p. 1266.
- Boots and shoes, Manufacture of. B. J. Hamilton. No. 1,110,323; Sept. 15; Gaz. vol. 206; p. 601.

Alphabetical list of inventions—Continued.

- Boots and shoes, Nail-driving machine for. D. E. Hall. No. 1,115,529; Nov. 3; Gaz. vol. 208; p. 21.
- Boots and shoes, Pull-on device for. M. A. Hayward. No. 1,092,483; Apr. 7; Gaz. vol. 201; p. 125.
- Boots and shoes, Pulling over. W. C. Stewart. No. 1,118,966; Dec. 1; Gaz. vol. 209; p. 21.
- Boots and shoes, Toe-cap for. R. C. Werkheiser. No. 1,115,045; Oct. 27; Gaz. vol. 207; p. 1059.
- Boots, leggings, and gloves, Fastening for. N. A. Didierjean. No. 1,084,408; Jan. 13; Gaz. vol. 198; p. 410.
- Booth, Collapsible sleeping. R. Henry. No. 1,087,490; Feb. 17; Gaz. vol. 199; p. 761.
- Booth, Election-. F. L. Fisher. No. 1,120,298; Dec. 8; Gaz. vol. 209; p. 519.
- Booth, Voting-. J. B. Redfield. No. 1,097,728; May 26; Gaz. vol. 202; p. 1001.
- Borax and boric acid, Manufacture of. E. L. Fleming. No. 1,090,526; Mar. 17; Gaz. vol. 200; p. 729.
- Border-cutting machine. W. H. Waldron. No. 1,123,043; Dec. 29; Gaz. vol. 209; p. 1601.
- Boring and cutting tool. F. S. Shields. No. 1,122,808; Dec. 29; Gaz. vol. 209; p. 1518.
- Boring and drilling machine. L. G. McKnight. No. 1,113,804; Oct. 13; Gaz. vol. 207; p. 529.
- Boring and facing appliance. O. A. Nieman. No. 1,119,528; Dec. 1; Gaz. vol. 209; p. 217.
- Boring and reaming tool. J. M. Richards. No. 1,114,039; Oct. 20; Gaz. vol. 207; p. 649.
- Boring-bar. G. Madison. No. 1,118,141; Nov. 24; Gaz. vol. 208; p. 1052.
- Boring-bar, Taper. F. W. Curtis. No. 1,091,914; Mar. 31; Gaz. vol. 200; p. 1276.
- Boring-cutter. R. F. Weeks. No. 1,096,799; May 12; Gaz. vol. 202; p. 589.
- Boring device. J. E. Brooks, H. H. Sleppy, and J. J. Yarnell. No. 1,118,733; Nov. 24; Gaz. vol. 208; p. 1260.
- Boring device. W. D. Riggs. No. 1,102,078; June 30; Gaz. vol. 203; p. 1464.
- Boring-drill, Roller. H. R. Hughes. No. 1,119,163; Dec. 1; Gaz. vol. 209; p. 92.
- Boring-drill, Roller. H. R. Hughes. No. 1,119,164; Dec. 1; Gaz. vol. 209; p. 93.
- Boring-machine. C. M. Lane. No. 1,114,373; Oct. 20; Gaz. vol. 207; p. 769.
- Boring-machine. W. P. Orth. No. 1,101,879; June 30; Gaz. vol. 203; p. 1392.
- Boring-machine. A. O. and J. F. Rutz. No. 1,114,531; Oct. 20; Gaz. vol. 207; p. 827.
- Boring-machine. W. S. Sherman. No. 1,102,695; July 7; Gaz. vol. 204; p. 165.
- Boring-machine and lathe, Combined. H. J. Wyatt. No. 1,096,881; May 19; Gaz. vol. 202; p. 659.
- Boring machine, Wood-. C. Greenwood. No. 1,089,547; Mar. 10; Gaz. vol. 200; p. 348.
- Boring-tool. J. Hesketh. No. 1,099,500; June 9; Gaz. vol. 203; p. 430.
- Boring-tool. M. J. Keenan. No. 1,099,379; June 9; Gaz. vol. 203; p. 391.
- Boring-tool. T. F. Mulligan. No. 1,102,538; July 7; Gaz. vol. 204; p. 111.
- Boring-tool, Adjustable. L. Crance and A. E. Fensterbusch. No. 1,113,958; Oct. 20; Gaz. vol. 207; p. 622.
- Boring-tool, Taper. J. Shaw. No. 1,123,145; Dec. 29; Gaz. vol. 209; p. 1637.
- Boring tools, Holder for metal-. E. F. G. Gibbs. No. 1,089,635; Mar. 10; Gaz. vol. 200; p. 377.
- Boron suboxid. Making. E. Weintraub. No. 1,105,388; July 28; Gaz. vol. 204; p. 1239.
- Bottle. H. R. Crooks. No. 1,106,191; Aug. 4; Gaz. vol. 205; p. 212.
- Bottle. M. E. Devarney. No. 1,106,030; Aug. 4; Gaz. vol. 205; p. 156.
- Bottle. F. Gade. No. 1,085,251; Jan. 27; Gaz. vol. 198; p. 762.
- Bottle. C. V. Johnson. No. 1,088,227; Feb. 24; Gaz. vol. 199; p. 1063.
- Bottle. G. W. Schencks. No. 1,088,457; Feb. 24; Gaz. vol. 199; p. 1140.
- Bottle. W. A. Statmann. No. 1,099,866; June 9; Gaz. vol. 203; p. 556.
- Bottle. A. A. Wayne. No. 1,089,887; Mar. 10; Gaz. vol. 200; p. 463.
- Bottle. A. Westlake. No. 1,116,523; Nov. 10; Gaz. vol. 208; p. 403.
- Bottle. M. H. Whalen. No. 1,093,959; Apr. 21; Gaz. vol. 201; p. 700.
- Bottle. M. B. Whisenant. No. 1,098,653; June 2; Gaz. vol. 203; p. 101.
- Bottle, Antirefillable. C. Lukac. No. 1,089,933; Mar. 10; Gaz. vol. 200; p. 482.
- Bottle attachment. A. E. Blake. No. 1,121,459; Dec. 15; Gaz. vol. 209; p. 974.
- Bottle attachment. W. R. Clough. No. 1,120,906; Dec. 15; Gaz. vol. 209; p. 783.
- Bottle-blowing machine. T. C. Duffield. No. 1,087,283; Feb. 17; Gaz. vol. 199; p. 689.
- Bottle-box. E. H. N. Clarkson. No. 1,120,283; Dec. 8; Gaz. vol. 209; p. 513.
- Bottle-cap. L. W. Brown. No. 1,116,983; Nov. 10; Gaz. vol. 208; p. 567.
- Bottle-cap. T. J. Goodwin. No. 1,087,758; Feb. 17; Gaz. vol. 199; p. 855.
- Bottle-cap. W. H. Inman. No. 1,107,522; Aug. 18; Gaz. vol. 205; p. 769.
- Bottle-cap. F. G. Kollenberg. No. 1,108,996; Sept. 1; Gaz. vol. 206; p. 49.
- Bottle-cap. W. F. Perez. No. 1,114,181; Oct. 20; Gaz. vol. 207; p. 702.
- Bottle-cap. G. A. Williams. No. 1,108,959; Sept. 1; Gaz. vol. 206; p. 36.
- Bottle-cap and extractor, Combined. W. H. Cadwell. No. 1,092,519; Apr. 7; Gaz. vol. 201; p. 137.
- Bottle-cap-applying mechanism. T. A. Nissinen. No. 1,117,891; Nov. 17; Gaz. vol. 208; p. 925.
- Bottle-cap lifter. H. I. Weed. No. 1,100,933; June 23; Gaz. vol. 203; p. 1016.
- Bottle cap, Milk-. M. C. Brown. No. 1,094,639; Apr. 28; Gaz. vol. 201; p. 990.
- Bottle cap or closure. C. Hammer. No. 1,096,364; May 12; Gaz. vol. 202; p. 443.
- Bottle-cap-padding machine. A. Johnson. No. 1,118,778; Nov. 24; Gaz. vol. 208; p. 1274.
- Bottle-cap remover. R. O. Boardman. No. 1,100,818; June 23; Gaz. vol. 203; p. 974.
- Bottle-cap remover. J. R. Schultz. No. 1,110,720; Sept. 15; Gaz. vol. 206; p. 742.
- Bottle-cap-replacing tool. G. Kalkbrenner. No. 1,116,438; Nov. 10; Gaz. vol. 208; p. 372.
- Bottle-caps, Album for. C. G. Owen. No. 1,115,860; Nov. 3; Gaz. vol. 208; p. 134.
- Bottle-caps, &c., Feeding apparatus for. E. P. Wetmore. No. 1,086,429; Feb. 10; Gaz. vol. 199; p. 341.
- Bottle-caps, Manufacturing. J. and J. A. Butkus. No. 1,091,626; Mar. 31; Gaz. vol. 200; p. 1175.
- Bottle capping and sealing machine. J. Bradley. No. 1,120,017; Dec. 8; Gaz. vol. 209; p. 420.
- Bottle-capping machine. L. H. Brinkman. No. 1,094,776; Apr. 28; Gaz. vol. 201; p. 1039.
- Bottle-capping machine. L. H. Brinkman. No. 1,114,105; Oct. 20; Gaz. vol. 207; p. 674.
- Bottle-capping machine. L. H. Brinkman. (Relissue.) No. 1,138,511; Dec. 22; Gaz. vol. 209; p. 1283.
- Bottle-capping machine. E. A. Everett. No. 1,085,557; Jan. 27; Gaz. vol. 198; p. 863.
- Bottle-capping machine. L. C. Garman. No. 1,114,745; Oct. 27; Gaz. vol. 207; p. 951.
- Bottle-capping machine. J. J. Gaynor. No. 1,095,274; May 5; Gaz. vol. 202; p. 34.
- Bottle-capping machine. A. Johnson. No. 1,106,222; Aug. 4; Gaz. vol. 205; p. 221.
- Bottle-capping machines, Bottle-feeding device for. J. V. Irenius. No. 1,101,744; June 30; Gaz. vol. 203; p. 1344.
- Bottle-capping machines, Cap-feeder for. L. Strebel. No. 1,106,590; Aug. 11; Gaz. vol. 205; p. 396.
- Bottle-capping machines, Machine for feeding bottles to and for operating. R. E. Bruns. No. 1,116,558; Nov. 10; Gaz. vol. 208; p. 416.
- Bottle-carrier. J. C. Ligeour. No. 1,112,300; Sept. 29; Gaz. vol. 206; p. 1367.
- Bottle-carrying handle. L. Johnson and G. Hotter. No. 1,116,290; Nov. 3; Gaz. vol. 208; p. 280.
- Bottle-carrying receptacle, Milk-. E. C. Schreiber. No. 1,113,252; Oct. 13; Gaz. vol. 207; p. 335.
- Bottle-case. G. G. Roberts. No. 1,086,859; Feb. 10; Gaz. vol. 199; p. 494.
- Bottle casing or protector. H. Broberg. No. 1,120,127; Dec. 8; Gaz. vol. 209; p. 458.
- Bottle-charging device, Siphon-. P. E. Malmstrom. No. 1,114,781; Oct. 27; Gaz. vol. 207; p. 965.
- Bottle-cleaning apparatus. J. R. Gruetter. No. 1,110,927; Sept. 15; Gaz. vol. 206; p. 815.
- Bottle-cleaning apparatus. B. D. Pinkney. No. 1,110,817; Sept. 15; Gaz. vol. 206; p. 775.
- Bottle-cleaning machine. W. Rüprich. No. 1,100,200; June 16; Gaz. vol. 203; p. 709.
- Bottle-cleansing apparatus. O. Eick. No. 1,110,615; Sept. 15; Gaz. vol. 206; p. 705.
- Bottle-closer, Sanitary. C. H. Eppe. No. 1,094,784; Apr. 28; Gaz. vol. 201; p. 1042.
- Bottle-closure. A. Alexander and A. M. Steinberg. No. 1,090,091; Mar. 10; Gaz. vol. 200; p. 533.
- Bottle-closure. E. C. Berners. No. 1,090,677; Mar. 17; Gaz. vol. 200; p. 779.
- Bottle-closure. W. C. Clarke. No. 1,100,536; June 16; Gaz. vol. 203; p. 824.
- Bottle-closure. E. C. Clemmensen and W. M. Jenkins. No. 1,106,366; Aug. 11; Gaz. vol. 205; p. 313.
- Bottle-closure. C. C. Deeds. No. 1,101,687; June 30; Gaz. vol. 203; p. 1326.
- Bottle-closure. J. R. Dunn. No. 1,083,389; Jan. 6; Gaz. vol. 198; p. 43.
- Bottle-closure. A. P. Fulmer and F. M. Nebinger. No. 1,109,570; Sept. 1; Gaz. vol. 206; p. 248.
- Bottle-closure. W. E. Gaston. No. 1,123,206; Dec. 29; Gaz. vol. 209; p. 1660.
- Bottle-closure. G. W. Gustafson. No. 1,108,360; Aug. 25; Gaz. vol. 205; p. 1110.
- Bottle-closure. J. B. Paters. No. 1,115,733; Nov. 3; Gaz. vol. 208; p. 91.

Alphabetical list of inventions—Continued.

- Bottle-closure. F. J. Poths. No. 1,105,831; Aug. 4; Gaz. vol. 205; p. 86.
- Bottle-closure. H. F. Suit. No. 1,101,351; June 23; Gaz. vol. 203; p. 1159.
- Bottle-closure. N. F. Thompson. No. 1,104,578; July 21; Gaz. vol. 204; p. 907.
- Bottle-closure. C. J. Thorp. No. 1,115,616; Nov. 3; Gaz. vol. 208; p. 50.
- Bottle closure and opener. C. M. Ernst and F. A. Schramm. No. 1,096,613; May 12; Gaz. vol. 202; p. 525.
- Bottle closure and stopper extractor, Milk-. D. B. Pierson. No. 1,119,985; Dec. 8; Gaz. vol. 209; p. 409.
- Bottle-closure device. F. W. Hoefer. No. 1,113,119; Oct. 6; Gaz. vol. 207; p. 243.
- Bottle-closure device. A. Rauch. No. 1,098,758; June 2; Gaz. vol. 203; p. 137.
- Bottle-closure device. R. B. Yerby. No. 1,100,935; June 23; Gaz. vol. 203; p. 1017.
- Bottle closure, Milk-. J. E. Percy. No. 1,091,761; Mar. 31; Gaz. vol. 200; p. 1222.
- Bottle closure, Milk-. J. S. Ramsey. No. 1,104,706; July 21; Gaz. vol. 204; p. 949.
- Bottle closure, Non-refillable. G. Fussell. No. 1,106,505; Aug. 11; Gaz. vol. 205; p. 365.
- Bottle-closure, Sanitary. W. F. Huff. No. 1,111,259; Sept. 22; Gaz. vol. 206; p. 972.
- Bottle-closures, Apparatus for applying. S. W. Taylor. No. 1,117,533; Nov. 17; Gaz. vol. 208; p. 799.
- Bottle-closures, Apparatus for delivering. C. J. Lawson. No. 1,095,407; May 5; Gaz. vol. 202; p. 80.
- Bottle-closures, Machine for applying. C. J. Lawson. No. 1,095,406; May 5; Gaz. vol. 202; p. 79.
- Bottle-closures, Machine for the manufacture of. A. Bogdanffy. No. 1,087,710; Feb. 17; Gaz. vol. 199; p. 840.
- Bottle-closures, Manufacture of. S. C. Bond. No. 1,087,095; Feb. 10; Gaz. vol. 199; p. 570.
- Bottle-closures, Manufacturing. A. Bogdanffy. No. 1,087,711; Feb. 17; Gaz. vol. 199; p. 840.
- Bottle-closures, Manufacturing. A. Bogdanffy. No. 1,098,087; May 26; Gaz. vol. 202; p. 1128.
- Bottle-cover. F. W. Peisch. No. 1,103,827; July 14; Gaz. vol. 204; p. 605.
- Bottle cover, Milk-. J. W. Curran. No. 1,107,909; Aug. 18; Gaz. vol. 205; p. 904.
- Bottle-crown. C. S. Zonne. No. 1,112,880; Oct. 6; Gaz. vol. 207; p. 164.
- Bottle designed for use with rubber nipples, Nursing-. S. A. Jones. No. 1,118,134; Nov. 24; Gaz. vol. 208; p. 1050.
- Bottle feeding and capping machine. H. G. Klett. No. 1,086,827; Feb. 10; Gaz. vol. 199; p. 481.
- Bottle-feeding machine. E. C. Miller. No. 1,106,884; Aug. 11; Gaz. vol. 205; p. 498.
- Bottle-feeding mechanism. W. C. Muench. No. 1,112,155; Sept. 29; Gaz. vol. 206; p. 1317.
- Bottle-filler. H. O. Fisher. No. 1,085,899; Feb. 3; Gaz. vol. 199; p. 113.
- Bottle filling and capping machine. O. Lange. No. 1,109,075; Sept. 1; Gaz. vol. 206; p. 77.
- Bottle-filling apparatus. A. A. Carper. No. 1,120,597; Dec. 8; Gaz. vol. 209; p. 626.
- Bottle filling, capping, and labeling machines, Automatic feeder for. H. D. Culley. No. 1,087,909; Feb. 17; Gaz. vol. 199; p. 905.
- Bottle-filling device. C. Schroeder. No. 1,113,582; Oct. 13; Gaz. vol. 207; p. 451.
- Bottle-filling machine. J. H. Kintzele. No. 1,098,449; June 2; Gaz. vol. 203; p. 32.
- Bottle-filling machine. F. C. H. Strasburger. No. 1,095,240; May 5; Gaz. vol. 202; p. 23.
- Bottle-filling machine. T. L. Valerius. No. 1,088,112; Feb. 24; Gaz. vol. 199; p. 1024.
- Bottle-filling-machine base. A. Schneider. No. 1,104,555; July 21; Gaz. vol. 204; p. 899.
- Bottle-guard. O. Widemann. No. 1,098,201; May 26; Gaz. vol. 202; p. 1166.
- Bottle-handling apparatus. E. Dalglish. No. 1,110,256; Sept. 8; Gaz. vol. 206; p. 537.
- Bottle-handling apparatus. W. Stender. No. 1,117,272; Nov. 17; Gaz. vol. 208; p. 708.
- Bottle-handling device. T. F. Lamb. No. 1,091,671; Mar. 31; Gaz. vol. 200; p. 1191.
- Bottle-handling device. T. F. Lamb. No. 1,116,081; Nov. 3; Gaz. vol. 208; p. 210.
- Bottle-hanger. E. F. Gingras. No. 1,090,392; Mar. 17; Gaz. vol. 200; p. 681.
- Bottle hanger, Embalming-. W. J. Strayer. No. 1,089,980; Mar. 10; Gaz. vol. 200; p. 496.
- Bottle-head-finish tool. K. A. Godwin. No. 1,092,569; Apr. 7; Gaz. vol. 201; p. 153.
- Bottle-heating apparatus. Water-. H. W. Christian. No. 1,086,646; Feb. 10; Gaz. vol. 199; p. 418.
- Bottle-holder. R. B. Gilchrist. No. 1,096,622; May 12; Gaz. vol. 202; p. 528.
- Bottle-holder. A. C. Lailer. No. 1,086,541; Feb. 10; Gaz. vol. 199; p. 380.
- Bottle-holder. C. F. Madden. No. 1,084,457; Jan. 13; Gaz. vol. 198; p. 425.
- Bottle-holder. A. Temper. No. 1,101,355; June 23; Gaz. vol. 203; p. 1160.
- Bottle-holder. W. G. Young. No. 1,084,243; Jan. 13; Gaz. vol. 198; p. 359.
- Bottle holder and automatic lock, Milk-. R. G. Coyner. No. 1,107,043; Aug. 11; Gaz. vol. 205; p. 551.
- Bottle holder, Milk-. P. A. Good. No. 1,105,269; July 28; Gaz. vol. 204; p. 1193.
- Bottle holder, Milk-. H. D. Sargent. No. 1,098,765; June 2; Gaz. vol. 203; p. 139.
- Bottle-holder, Nursing-. M. H. Drennan. No. 1,117,008; Nov. 10; Gaz. vol. 208; p. 577.
- Bottle holder, Nursing-. G. A. Hanks. No. 1,084,427; Jan. 13; Gaz. vol. 198; p. 416.
- Bottle-holder, Safety. H. Kennell. No. 1,106,457; Aug. 11; Gaz. vol. 205; p. 346.
- Bottle-holder, Sanitary locking. F. C. Grimm. No. 1,107,667; Aug. 18; Gaz. vol. 205; p. 822.
- Bottle-holder, Self-locking. H. Presnick and S. Youngerman. No. 1,100,909; June 23; Gaz. vol. 203; p. 1006.
- Bottle, Hot-water. M. B. Clarke. No. 1,116,014; Nov. 3; Gaz. vol. 208; p. 188.
- Bottle, Hot-water. A. C. Eggers. No. 1,116,683; Nov. 10; Gaz. vol. 208; p. 463.
- Bottle-indicator. P. Flynn. No. 1,085,560; Jan. 27; Gaz. vol. 198; p. 865.
- Bottle indicator, Poison-. G. O. Matter. No. 1,086,724; Feb. 10; Gaz. vol. 199; p. 445.
- Bottle, Ink-. J. L. McWhorter. No. 1,090,555; Mar. 17; Gaz. vol. 200; p. 738.
- Bottle jacket, Hot-. J. J. Schwartz and L. R. Strauss. No. 1,116,932; Nov. 10; Gaz. vol. 208; p. 550.
- Bottle, Milk-. W. Stock. No. 1,104,082; July 21; Gaz. vol. 204; p. 735.
- Bottle, Milk-. C. H. Texter. No. 1,108,023; Aug. 18; Gaz. vol. 205; p. 945.
- Bottle mold, Glass-. R. C. Glassco. No. 1,098,248; May 26; Gaz. vol. 202; p. 1182.
- Bottle, Non-refillable. M. J. Bartol. No. 1,106,616; Aug. 11; Gaz. vol. 205; p. 405.
- Bottle, Non-refillable. H. Becker. No. 1,116,972; Nov. 10; Gaz. vol. 208; p. 563.
- Bottle, Non-refillable. C. H. Beers. No. 1,097,745; May 26; Gaz. vol. 202; p. 1007.
- Bottle, Non-refillable. M. Berger and R. Weisbach. No. 1,108,091; Aug. 18; Gaz. vol. 205; p. 969.
- Bottle, Non-refillable. F. N. Bowne and D. I. Hawkins. No. 1,102,223; June 30; Gaz. vol. 203; p. 1517.
- Bottle, Non-refillable. F. N. Bowne and D. I. Hawkins. No. 1,120,593; Dec. 8; Gaz. vol. 209; p. 624.
- Bottle, Non-refillable. R. C. Bradshaw and T. A. Garvey. No. 1,110,037; Sept. 8; Gaz. vol. 206; p. 459.
- Bottle, Non-refillable. C. R. Browning. No. 1,113,953; Oct. 20; Gaz. vol. 207; p. 620.
- Bottle, Non-refillable. P. Bushman. No. 1,116,990; Nov. 10; Gaz. vol. 208; p. 569.
- Bottle, Non-refillable. V. Capobianco. No. 1,103,348; July 14; Gaz. vol. 204; p. 439.
- Bottle, Non-refillable. F. H. Chapman. No. 1,092,559; Apr. 7; Gaz. vol. 201; p. 150.
- Bottle, Non-refillable. W. T. Clark. No. 1,099,637; June 9; Gaz. vol. 203; p. 478.
- Bottle, Non-refillable. F. M. Crossett. No. 1,087,729; Feb. 17; Gaz. vol. 199; p. 846.
- Bottle, Non-refillable. T. J. Daly. No. 1,114,589; Oct. 20; Gaz. vol. 207; p. 845.
- Bottle, Non-refillable. J. J. Day. No. 1,116,681; Nov. 10; Gaz. vol. 208; p. 463.
- Bottle, Non-refillable. H. C. Degner. No. 1,110,115; Sept. 8; Gaz. vol. 206; p. 488.
- Bottle, Non-refillable. D. Dennehy. No. 1,097,397; May 19; Gaz. vol. 202; p. 842.
- Bottle, Non-refillable. W. H. Dickerhoof. No. 1,119,931; Dec. 8; Gaz. vol. 209; p. 390.
- Bottle, Non-refillable. D. L. Dover. No. 1,104,972; July 28; Gaz. vol. 204; p. 1091.
- Bottle, Non-refillable. H. Eberhard. No. 1,119,257; Dec. 1; Gaz. vol. 209; p. 123.
- Bottle, Non-refillable. R. Fritz. No. 1,085,582; Jan. 27; Gaz. vol. 198; p. 873.
- Bottle, Non-refillable. E. C. Fuchs. No. 1,089,205; Mar. 3; Gaz. vol. 200; p. 184.
- Bottle, Non-refillable. J. H. Gruver. No. 1,104,420; July 21; Gaz. vol. 204; p. 849.
- Bottle, Non-refillable. P. L. Haims. No. 1,122,914; Dec. 29; Gaz. vol. 209; p. 1555.
- Bottle, Non-refillable. C. H. Hammond. No. 1,086,324; Feb. 3; Gaz. vol. 199; p. 258.
- Bottle, Non-refillable. L. C. Helmcamp and E. Hoxworth. No. 1,089,216; Mar. 3; Gaz. vol. 200; p. 187.
- Bottle, Non-refillable. T. H. Holroyd. No. 1,107,790; Aug. 18; Gaz. vol. 205; p. 865.
- Bottle, Non-refillable. J. D. Hull. No. 1,117,850; Nov. 17; Gaz. vol. 208; p. 912.
- Bottle, Non-refillable. G. and A. Impellitteri. No. 1,112,067; Sept. 29; Gaz. vol. 206; p. 1286.
- Bottle, Non-refillable. C. E. Inglis. No. 1,111,155; Sept. 22; Gaz. vol. 206; p. 936.
- Bottle, Non-refillable. O. Johnson and N. Rundgren. No. 1,087,774; Feb. 17; Gaz. vol. 199; p. 861.
- Bottle, Non-refillable. I. D. Kellet. No. 1,087,122; Feb. 17; Gaz. vol. 199; p. 632.

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- Bottle, Non-refillable. F. W. and W. Kirschnik. No. 1,122,507; Dec. 29; Gaz. vol. 209; p. 1411.
- Bottle, Non-refillable. B. F. Klass. No. 1,113,652; Oct. 13; Gaz. vol. 207; p. 474.
- Bottle, Non-refillable. J. Lalli. No. 1,118,206; Nov. 24; Gaz. vol. 208; p. 1074.
- Bottle, Non-refillable. J. C. Lautenbacher and A. Geary. No. 1,103,675; July 14; Gaz. vol. 204; p. 555.
- Bottle, Non-refillable. R. L. Le Wright. No. 1,087,267; Feb. 17; Gaz. vol. 199; p. 684.
- Bottle, Non-refillable. F. Lenzi. No. 1,104,201; July 21; Gaz. vol. 204; p. 774.
- Bottle, &c., Non-refillable. A. C. C. Liardet. No. 1,120,208; Dec. 8; Gaz. vol. 209; p. 488.
- Bottle, Non-refillable. A. Martel and J. A. Thibault. No. 1,085,622; Feb. 3; Gaz. vol. 199; p. 15.
- Bottle, Non-refillable. A. P. Mazinski. No. 1,094,002; Apr. 21; Gaz. vol. 201; p. 715.
- Bottle, Non-refillable. W. F. McKay. No. 1,084,704; Jan. 20; Gaz. vol. 198; p. 540.
- Bottle, Non-refillable. J. D. Mulvehill. No. 1,111,082; Sept. 22; Gaz. vol. 206; p. 911.
- Bottle, Non-refillable. M. Murray. No. 1,102,349; July 7; Gaz. vol. 204; p. 44.
- Bottle, Non-refillable. J. Nathan. No. 1,087,043; Feb. 10; Gaz. vol. 199; p. 553.
- Bottle, Non-refillable. F. Newman. No. 1,095,123; Apr. 28; Gaz. vol. 201; p. 1157.
- Bottle, Non-refillable. N. Nilson. No. 1,083,698; Jan. 6; Gaz. vol. 198; p. 146.
- Bottle, Non-refillable. M. Perez. No. 1,093,882; Apr. 21; Gaz. vol. 201; p. 674.
- Bottle, Non-refillable. J. E. Red. No. 1,100,843; June 23; Gaz. vol. 203; p. 982.
- Bottle, Non-refillable. L. Rose. No. 1,115,976; Nov. 3; Gaz. vol. 208; p. 174.
- Bottle, Non-refillable. A. Ross. No. 1,122,309; Dec. 29; Gaz. vol. 209; p. 1345.
- Bottle, Non-refillable. J. E. Ross. No. 1,119,192; Dec. 1; Gaz. vol. 209; p. 102.
- Bottle, Non-refillable. A. Santarelli. No. 1,096,318; May 12; Gaz. vol. 202; p. 427.
- Bottle, Non-refillable. M. P. Schell. No. 1,095,360; May 5; Gaz. vol. 202; p. 64.
- Bottle, Non-refillable. J. L. Sellar. No. 1,108,099; Aug. 18; Gaz. vol. 205; p. 972.
- Bottle, Non-refillable. D. M. Sherman and C. P. Kleebauer. No. 1,108,007; July 7; Gaz. vol. 204; p. 272.
- Bottle, Non-refillable. J. N. Shows and C. B. Tucker. No. 1,108,012; Aug. 18; Gaz. vol. 205; p. 941.
- Bottle, Non-refillable. C. W. Simmons. No. 1,087,840; Feb. 17; Gaz. vol. 199; p. 882.
- Bottle, Non-refillable. H. Smeds. No. 1,116,336; Nov. 3; Gaz. vol. 208; p. 295.
- Bottle, Non-refillable. V. W. Smith. No. 1,096,135; May 12; Gaz. vol. 202; p. 363.
- Bottle, Non-refillable. W. W. Smith. No. 1,098,988; June 2; Gaz. vol. 203; p. 214.
- Bottle, Non-refillable. E. S. Staples. No. 1,103,895; July 14; Gaz. vol. 204; p. 629.
- Bottle, Non-refillable. W. A. Statmann. No. 1,120,756; Dec. 15; Gaz. vol. 209; p. 729.
- Bottle, Non-refillable. L. M. Stevens. No. 1,096,764; May 12; Gaz. vol. 202; p. 576.
- Bottle, Non-refillable. L. S. Stiles. No. 1,084,826; Jan. 20; Gaz. vol. 198; p. 581.
- Bottle, Non-refillable. T. Summerson. No. 1,120,860; Dec. 15; Gaz. vol. 209; p. 765.
- Bottle, Non-refillable. M. Switzer and J. D. Lacroix. No. 1,083,953; Jan. 13; Gaz. vol. 198; p. 258.
- Bottle, Non-refillable. J. Trimbach. No. 1,095,607; May 5; Gaz. vol. 202; p. 149.
- Bottle, Non-refillable. C. A. Turner. No. 1,106,598; Aug. 11; Gaz. vol. 205; p. 399.
- Bottle, Non-refillable. J. C. Uhlein. No. 1,087,472; Feb. 17; Gaz. vol. 199; p. 756.
- Bottle, Non-refillable. J. A. Ulman. No. 1,111,046; Sept. 22; Gaz. vol. 206; p. 898.
- Bottle, Non-refillable. J. L. Van Rensselaer. No. 1,107,384; Aug. 18; Gaz. vol. 205; p. 721.
- Bottle, Non-refillable. P. E. Warren. No. 1,084,510; Jan. 13; Gaz. vol. 198; p. 442.
- Bottle, Non-refillable. R. H. Weathersby and E. E. Putnam. No. 1,106,263; Aug. 4; Gaz. vol. 205; p. 234.
- Bottle, Non-refillable. G. J. Welch. No. 1,114,083; Oct. 20; Gaz. vol. 207; p. 666.
- Bottle, Non-refillable. L. A. Whiting and G. S. Parker. No. 1,101,894; June 30; Gaz. vol. 203; p. 1397.
- Bottle, Non-refillable. W. R. Whitwell and J. C. Kelly. No. 1,091,411; Mar. 24; Gaz. vol. 200; p. 1057.
- Bottle, Non-refillable. R. W. Wigg. No. 1,104,594; July 21; Gaz. vol. 204; p. 912.
- Bottle, Non-refilling. S. S. Williamson. No. 1,102,560; July 7; Gaz. vol. 204; p. 119.
- Bottle, Nursing-. S. D. Nichols. No. 1,108,778; Aug. 25; Gaz. vol. 205; p. 1253.
- Bottle-opener. O. G. Ashley. No. 1,103,731; July 14; Gaz. vol. 204; p. 573.
- Bottle-opener. F. W. Beard. No. 1,106,862; Aug. 11; Gaz. vol. 205; p. 491.
- Bottle-opener. H. L. Vaughan. No. 1,104,025; July 21; Gaz. vol. 204; p. 714.
- Bottle-opening device. J. Chani. No. 1,108,699; Aug. 25; Gaz. vol. 205; p. 1227.
- Bottle or jar attachment. G. E. Le Clair. No. 1,115,444; Oct. 27; Gaz. vol. 207; p. 1196.
- Bottle or jar protector, Milk-. J. J. Tehan. No. 1,089,985; Mar. 10; Gaz. vol. 200; p. 497.
- Bottle or jar stopper. E. Metcalf. No. 1,114,625; Oct. 20; Gaz. vol. 207; p. 856.
- Bottle or other feeders, Governor for. W. H. Johnson. No. 1,118,425; Nov. 24; Gaz. vol. 208; p. 1152.
- Bottle-packing for shipping-cases. L. H. Ocker. No. 1,120,329; Dec. 8; Gaz. vol. 209; p. 530.
- Bottle, Poison-. W. Chapman. No. 1,086,995; Feb. 10; Gaz. vol. 199; p. 538.
- Bottle-protecting device. R. D. Hughes. No. 1,100,734; June 23; Gaz. vol. 203; p. 945.
- Bottle-protector. E. G. Brewer. No. 1,116,670; Nov. 10; Gaz. vol. 208; p. 459.
- Bottle protector, Milk-. W. H. Oot. No. 1,097,186; May 19; Gaz. vol. 202; p. 767.
- Bottle rack, Milk-test-. F. A. Wilcox. No. 1,088,642; Feb. 24; Gaz. vol. 199; p. 1200.
- Bottle-receptacle. J. H. and H. B. Mason. No. 1,106,050; Aug. 4; Gaz. vol. 205; p. 163.
- Bottle-receptacle. L. R. Steel. No. 1,108,017; Aug. 18; Gaz. vol. 205; p. 943.
- Bottle receptacle, Milk-. L. T. Schuberth. No. 1,120,853; Dec. 15; Gaz. vol. 209; p. 763.
- Bottle-refill-preventing device. C. S. Jackson. No. 1,118,423; Nov. 24; Gaz. vol. 208; p. 1151.
- Bottle rinsing and outside-brushing conveyer. G. J. Meyer. No. 1,111,756; Sept. 29; Gaz. vol. 206; p. 1180.
- Bottle, Sanitary. P. G. Fuegmann and F. H. Hummel. No. 1,103,752; July 14; Gaz. vol. 204; p. 580.
- Bottle-seal. L. Bartlett. No. 1,118,999; Dec. 1; Gaz. vol. 209; p. 33.
- Bottle-stopper. W. M. Camp. No. 1,111,294; Sept. 22; Gaz. vol. 206; p. 983.
- Bottle-stopper. C. B. Davis and D. A. Davison. No. 1,113,604; Oct. 13; Gaz. vol. 207; p. 459.
- Bottle-stopper. T. A. Gey. No. 1,104,418; July 21; Gaz. vol. 204; p. 849.
- Bottle-stopper. H. A. Kucera. No. 1,099,059; June 2; Gaz. vol. 203; p. 235.
- Bottle-stopper. A. A. Miller. No. 1,111,228; Sept. 22; Gaz. vol. 206; p. 962.
- Bottle-stopper. P. Parry. No. 1,095,922; May 5; Gaz. vol. 202; p. 253.
- Bottle-stopper. A. Pecorella. No. 1,097,187; May 19; Gaz. vol. 202; p. 768.
- Bottle-stopper. T. P. Pick. No. 1,098,051; May 26; Gaz. vol. 202; p. 1116.
- Bottle-stopper. G. F. Pinsuti. No. 1,098,166; May 26; Gaz. vol. 202; p. 1154.
- Bottle-stopper. J. S. Porter. No. 1,102,296; July 7; Gaz. vol. 204; p. 26.
- Bottle-stopper. L. F. Seames. No. 1,103,692; July 14; Gaz. vol. 204; p. 561.
- Bottle-stopper. O. Sondheim and H. M. Veit. No. 1,102,699; July 7; Gaz. vol. 204; p. 166.
- Bottle-stopper. J. O. Walsh. No. 1,090,434; Mar. 17; Gaz. vol. 200; p. 696.
- Bottle-stopper. W. W. Woodruff. No. 1,116,663; Nov. 10; Gaz. vol. 208; p. 456.
- Bottle-stopper and applicator. H. A. Metz. No. 1,089,717; Mar. 10; Gaz. vol. 200; p. 405.
- Bottle stopper, Milk-. A. Hopkins. No. 1,108,842; Aug. 25; Gaz. vol. 205; p. 1276.
- Bottle stopper, Milk-. T. Lamb. No. 1,087,303; Feb. 17; Gaz. vol. 199; p. 696.
- Bottle stopper, Non-refillable-. J. H. Gruver. No. 1,104,421; July 21; Gaz. vol. 204; p. 850.
- Bottle-stopper remover. J. E. Green. No. 1,102,497; July 7; Gaz. vol. 204; p. 96.
- Bottle stopper, Water-. H. P. Kraft and M. C. Schweinert. No. 1,097,647; May 26; Gaz. vol. 202; p. 971.
- Bottle-stoppers, Device for applying. M. T. Scholl and R. A. Gillespie. No. 1,111,973; Sept. 29; Gaz. vol. 206; p. 1255.
- Bottle-stoppering means. H. C. Braun. No. 1,087,349; Feb. 17; Gaz. vol. 199; p. 711.
- Bottle support, Nursing-. J. B. Phelps. No. 1,110,712; Sept. 15; Gaz. vol. 206; p. 740.
- Bottle, Teiltale. A. C. Mathewson. No. 1,111,483; Sept. 22; Gaz. vol. 206; p. 1048.
- Bottle, Vacuum-. J. F. Lamb. No. 1,113,357; Oct. 13; Gaz. vol. 207; p. 373.
- Bottle, Water-. M. B. Clark. No. 1,117,327; Nov. 17; Gaz. vol. 208; p. 729.
- Bottle-washing apparatus. E. Schlaepfer, fils. No. 1,094,168; Apr. 21; Gaz. vol. 201; p. 771.
- Bottle-washing machine. J. A. Anderson. No. 1,119,335; Dec. 1; Gaz. vol. 209; p. 150.
- Bottle-washing machine. R. L. Gallup. No. 1,093,841; Apr. 21; Gaz. vol. 201; p. 661.
- Bottle-washing machine. G. B. Keplinger. No. 1,098,907; June 2; Gaz. vol. 203; p. 187.

Alphabetical list of inventions—Continued.

- Bottle-washing machine. E. Linderme. No. 1,104,994; July 28; Gaz. vol. 204; p. 1097.
- Bottle-washing machine. I. C. Nielsen. No. 1,093,068; Apr. 14; Gaz. vol. 201; p. 358.
- Bottle-washing machine. D. Schmid. No. 1,095,290; May 5; Gaz. vol. 202; p. 40.
- Bottles and other containers, Manufacturing and applying fibrous caps for. A. Westlake. No. 1,114,323; Oct. 20; Gaz. vol. 207; p. 751.
- Bottles and the like, Casing for. G. P. Altenberg. No. 1,106,609; Aug. 11; Gaz. vol. 205; p. 403.
- Bottles and the like, Pitcher-forming attachment for. W. A. Campbell. No. 1,118,395; Nov. 24; Gaz. vol. 208; p. 1141.
- Bottles and the like, Stoppering crown or cap for. W. Bailey. No. 1,110,862; Sept. 15; Gaz. vol. 206; p. 792.
- Bottles and the like, Telltale for. C. A. Canda. No. 1,110,886; Sept. 15; Gaz. vol. 206; p. 801.
- Bottles, Attachment for liquid-polish-containing. R. F. Boop. No. 1,088,524; Feb. 24; Gaz. vol. 199; p. 1161.
- Bottles, Casing for nursing and other. C. C. Goss. No. 1,121,349; Dec. 15; Gaz. vol. 209; p. 936.
- Bottles, Hypodermic-syringe-holding attachment for. G. R. Schimmel. No. 1,116,493; Nov. 10; Gaz. vol. 208; p. 392.
- Bottles in transport-cases, Machine for placing. E. Jagenberg. No. 1,090,855; Mar. 24; Gaz. vol. 200; p. 868.
- Bottles, jars, &c., Closure for. F. M. Budlong. No. 1,103,737; July 14; Gaz. vol. 204; p. 575.
- Bottles, Metal capsule for. C. W. V. Messerschmidt. No. 1,100,440; June 16; Gaz. vol. 203; p. 792.
- Bottles or other containers, Apparatus for handling. O. Eick. No. 1,106,033; Aug. 4; Gaz. vol. 205; p. 157.
- Bottles, Paper cap for milk-. G. H. Davis. No. 1,107,267; Aug. 18; Gaz. vol. 205; p. 679.
- Bottles, Protective rubber cap with stopple for milk-. S. Schulhoff. No. 1,093,211; Apr. 14; Gaz. vol. 201; p. 408.
- Bottles, Safety-box for milk-. G. S. McNeil. No. 1,108,601; Aug. 25; Gaz. vol. 205; p. 1195.
- Bottles, Sterilizing. E. Zahm. No. 1,108,539; Aug. 25; Gaz. vol. 205; p. 1174.
- Bottles, Support and spacer for vacuum-. F. E. Carlson. No. 1,116,993; Nov. 10; Gaz. vol. 208; p. 571.
- Bottles, Supporting-bracket for dispensing-. J. C. McCain. No. 1,091,365; Mar. 24; Gaz. vol. 200; p. 1042.
- Bottles, Trap-holder for milk and other. M. B. Frumer and M. Sherman. No. 1,121,179; Dec. 15; Gaz. vol. 209; p. 879.
- Bottling gaseous liquids, Means for. A. A. Carper. No. 1,120,596; Dec. 8; Gaz. vol. 209; p. 626.
- Bottling-machine throat. H. L. Vaughan. No. 1,104,023; July 21; Gaz. vol. 204; p. 713.
- Bottling-machine throat. H. L. Vaughan. No. 1,104,024; July 21; Gaz. vol. 204; p. 713.
- Bottling-machines, Bottle-centering attachment for. E. A. Shontz. No. 1,106,738; Aug. 11; Gaz. vol. 205; p. 447.
- Bottoming-machine. A. B. Starr. No. 1,106,419; Aug. 11; Gaz. vol. 205; p. 331.
- Bow-holder. A. Lange. No. 1,091,936; Mar. 31; Gaz. vol. 200; p. 1283.
- Bow-holding pin. C. Dinuccio. No. 1,085,552; Jan. 27; Gaz. vol. 198; p. 862.
- Bow making and attaching machine. J. A. Breed. No. 1,090,194; Mar. 17; Gaz. vol. 200; p. 611.
- Bow, Pendant-. L. E. F. Wachter. No. 1,098,001; May 26; Gaz. vol. 202; p. 1099.
- Bow rest and clamping device. H. B. White. (Reissue.) No. 13,819; Oct. 27; Gaz. vol. 207; p. 1212.
- Bowels, Apparatus for effecting subaqueous irrigation of the. A. Brosch and O. von Aufschneider. No. 1,093,251; Apr. 14; Gaz. vol. 201; p. 422.
- Bowl connection. J. Lafrance. No. 1,117,406; Nov. 17; Gaz. vol. 208; p. 755.
- Bowl, Dispensing-. S. A. Addis. No. 1,087,860; Feb. 17; Gaz. vol. 199; p. 889.
- Bowl, Hygienic sugar-. E. La Vine. No. 1,105,803; Aug. 4; Gaz. vol. 205; p. 75.
- Bowl, Nut-. E. E. Henderson. No. 1,113,990; Oct. 20; Gaz. vol. 207; p. 632.
- Bowl, Self-acting sugar-. L. A. Iams. No. 1,096,430; May 12; Gaz. vol. 202; p. 464.
- Bowl, Sugar-. J. L. Schick and R. L. Jackson. No. 1,113,056; Oct. 6; Gaz. vol. 207; p. 223.
- Bowline-guide. C. B. King and J. W. Fellmeth. No. 1,103,055; July 14; Gaz. vol. 204; p. 337.
- Bowling-alley. E. L. Ayers. No. 1,106,859; Aug. 11; Gaz. vol. 205; p. 490.
- Bowling-alley. P. S. Knapp. No. 1,091,350; Mar. 24; Gaz. vol. 200; p. 1037.
- Bowling-alley. W. X. Stevens. No. 1,097,687; May 26; Gaz. vol. 202; p. 986.
- Bowling-alley pin-setting apparatus. M. Martinson. No. 1,111,481; Sept. 22; Gaz. vol. 206; p. 1047.
- Bowling-ball with composition coating and gripping-sockets. J. W. Hyatt. No. 1,111,022; Sept. 22; Gaz. vol. 206; p. 890.
- Bowling-ball with self-contained handle. J. W. Hyatt. No. 1,111,023; Sept. 22; Gaz. vol. 206; p. 890.
- Bowling-pin. J. Schleg. No. 1,088,937; Mar. 3; Gaz. vol. 200; p. 91.
- Bowling-pin. M. J. Whelan. No. 1,088,312; Feb. 24; Gaz. vol. 199; p. 1092.
- Bowling-pin and like article. L. A. Deuther. No. 1,087,927; Feb. 24; Gaz. vol. 199; p. 957.
- Box: See Adhesive-plaster box; Adjustable box; Advertising waste-paper box; Ammunition-box; Ash-box; Axle-box; Badge-box; Bearing-box; Bearing hanger-box; Berry-box; Blacking and oil paste box; Blasting-box; Boiler fire-box; Bottle-box; Branch box; Call-box; Cannery exhaust-box; Car journal-box; Casting-box; Cigar-box; Cigar and cigarette box; Cigarette-box; Cigarette-dispensing box; Circuit-extension box; Collapsible box; Collar-box; Confectionery-box; Construction-box; Cracker-box; Cracker or cake box; Curb-box; Display-box; Distributing-box; Dividing-box; Drag-box; Dumping-box; Egg-box; Electric mail-box; Electric-terminal box; Electric wall-box; Electrical outlet-box; Expandible box; Fare-box; Feed-box; Fiber-board box; File-box; Film-box; Fire-box; Fire-alarm box; Flower-box; Foldable box; Folded-blank box; Folding box; Folding or collapsible box; Fracture-box; Fuse-box; Globe-packing box; Hat-box; Ice-box; Index-box; Ink-pad box; Jewel-box; Jewelry-box; Journal-box; Meter-box; Miter-box; Moisture-proof box; Molding-box; Money-box; Oil-press box; Outlet-box; Outlet or switch box; Package-box; Packing-box; Paper box; Paper-board box; Pencil-box; Phonograph sound-box; Phonographic sound-box; Post-office box; Press-box; Puzzle-box; Recess-box; Reinforced box; Rifle-box; Rifle and amalgamator box; Safety deposit-box; Salt and pepper box; Seal-cutter box; Sheet-metal box; Shipping-box; Shirt-box; Single-delivery paper box; Sluice-box; Soap-box; Sound-box; Spring-box; Starting-box; Steel hanger-box; Stuffing-box; Suit-box; Switch-box; Talking-machine sound-box; Tee-box; Telescopic box; Toilet-box; Tote-box; Transplanting-box; Transport-box; Triangle-box; Vending-box; Vencer box; Wagon-box; Wall-box; Window-box; Window provision-box; Wire-bound box.
- Box. L. V. Bennett. No. 1,092,008; Mar. 31; Gaz. vol. 200; p. 1306.
- Box. W. R. Betham. No. 1,090,592; Mar. 17; Gaz. vol. 200; p. 751.
- Box. J. Cochran and J. C. Cothran. No. 1,122,864; Dec. 29; Gaz. vol. 209; p. 1538.
- Box. H. Conover. No. 1,103,489; July 14; Gaz. vol. 204; p. 486.
- Box. J. S. Cummings. No. 1,101,907; June 30; Gaz. vol. 203; p. 1402.
- Box. J. E. Davidson. No. 1,089,538; Mar. 10; Gaz. vol. 200; p. 345.
- Box. S. C. Horton. No. 1,105,788; Aug. 4; Gaz. vol. 205; p. 70.
- Box. H. R. Johnson. No. 1,120,311; Dec. 8; Gaz. vol. 209; p. 523.
- Box. W. H. Joslin. No. 1,083,403; Jan. 6; Gaz. vol. 198; p. 49.
- Box. C. E. Judkins. No. 1,120,203; Dec. 8; Gaz. vol. 209; p. 486.
- Box. J. M. Levie. No. 1,112,147; Sept. 29; Gaz. vol. 206; p. 1314.
- Box. J. F. McCall. No. 1,104,063; July 21; Gaz. vol. 204; p. 728.
- Box. J. M. G. Stolk. No. 1,116,752; Nov. 10; Gaz. vol. 208; p. 486.
- Box. A. A. Thomas. No. 1,092,961; Apr. 14; Gaz. vol. 201; p. 322.
- Box. H. B. Walter. No. 1,121,426; Dec. 15; Gaz. vol. 209; p. 963.
- Box. M. J. Wheeler. No. 1,117,733; Nov. 17; Gaz. vol. 208; p. 872.
- Box. J. Wooster. No. 1,111,120; Sept. 22; Gaz. vol. 206; p. 924.
- Box. A. T. Wright. No. 1,083,514; Jan. 6; Gaz. vol. 198; p. 84.
- Box. C. Yardusky. No. 1,123,057; Dec. 29; Gaz. vol. 209; p. 1606.
- Box. G. W. Young. No. 1,099,078; June 2; Gaz. vol. 203; p. 240.
- Box and cover therefor. T. C. and O. G. Metzger. No. 1,115,081; Oct. 27; Gaz. vol. 207; p. 1073.
- Box and dropping-bottle with a sugar-magazine, Combined. L. Coulet. No. 1,092,766; Apr. 7; Gaz. vol. 201; p. 220.
- Box-blank and cleat therefor. J. H. Greenstreet. No. 1,115,066; Oct. 27; Gaz. vol. 207; p. 1067.
- Box-blank counter. E. G. Staude. No. 1,113,503; Oct. 13; Gaz. vol. 207; p. 425.
- Box-blank machine. J. J. Miller. No. 1,089,069; Mar. 3; Gaz. vol. 200; p. 135.
- Box-blank scoring and dieing machine. F. M. Joslin. No. 1,118,867; Nov. 24; Gaz. vol. 208; p. 1303.
- Box-carrier. J. F. Blessing. No. 1,083,982; Jan. 13; Gaz. vol. 198; p. 268.
- Box-carrier. B. C. Winans. No. 1,113,393; Oct. 13; Gaz. vol. 207; p. 386.

Alphabetical list of inventions—Continued.

- Box construction. O. W. Ward. No. 1,088,493; Feb. 24; Gaz. vol. 199; p. 1151.
- Box-corner protector. K. M. Black. No. 1,086,984; Feb. 10; Gaz. vol. 199; p. 534.
- Box-cover. A. A. Arnold. No. 1,085,188; Jan. 27; Gaz. vol. 198; p. 740.
- Box-cover. L. F. Brasch. No. 1,094,833; Apr. 28; Gaz. vol. 201; p. 1059.
- Box-cover fastener. A. Brunnert. No. 1,098,094; May 26; Gaz. vol. 202; p. 1131.
- Box-cover fastening. G. Maier. No. 1,103,976; July 21; Gaz. vol. 204; p. 697.
- Box-cover-notching device. F. H. Buffinton and H. R. Allen. No. 1,100,351; June 16; Gaz. vol. 203; p. 761.
- Box-cover opener. F. O. Lidholm. No. 1,084,093; Jan. 13; Gaz. vol. 198; p. 307.
- Box cover, Packing-. S. A. Goldberg. No. 1,089,833; Mar. 10; Gaz. vol. 200; p. 445.
- Box cover, Service-. F. M. Lane. No. 1,093,275; Apr. 14; Gaz. vol. 201; p. 430.
- Box-covering machine. J. Alger. No. 1,086,434; Feb. 10; Gaz. vol. 199; p. 343.
- Box-covering machine. E. E. Dailey. No. 1,100,228; June 16; Gaz. vol. 203; p. 718.
- Box-covering machine. H. De Smith. No. 1,084,575; Jan. 13; Gaz. vol. 198; p. 466.
- Box-covering machine. E. M. Grafe. No. 1,097,622; May 26; Gaz. vol. 202; p. 962.
- Box-ending machines, Safety device for. W. Brandstaedter. No. 1,121,463; Dec. 15; Gaz. vol. 209; p. 975.
- Box-fastener. W. E. Collins. No. 1,105,024; July 28; Gaz. vol. 204; p. 1108.
- Box-fastener. J. H. Gartside. No. 1,088,411; Feb. 24; Gaz. vol. 199; p. 1125.
- Box-fastener. A. Hovorka. No. 1,089,708; Mar. 10; Gaz. vol. 200; p. 402.
- Box-fastener. L. Mollart. No. 1,102,287; July 7; Gaz. vol. 204; p. 22.
- Box-fastener. R. F. Schmidt. No. 1,101,886; June 30; Gaz. vol. 203; p. 1394.
- Box-fastening. C. A. Krum. No. 1,095,119; Apr. 28; Gaz. vol. 201; p. 1156.
- Box-fastening. J. M. Raffel. No. 1,121,286; Dec. 15; Gaz. vol. 209; p. 914.
- Box-fastening device. W. H. Forsyth. No. 1,084,001; Jan. 13; Gaz. vol. 198; p. 275.
- Box-folding machine. H. A. Inman. No. 1,115,822; Nov. 3; Gaz. vol. 208; p. 119.
- Box-folding machine. E. W. Labombarde. No. 1,096,633; May 12; Gaz. vol. 202; p. 532.
- Box-former. J. L. Kretser. No. 1,120,507; Dec. 8; Gaz. vol. 209; p. 593.
- Box-forming machine. M. Quinlan. No. 1,101,038; June 23; Gaz. vol. 203; p. 1052.
- Box-handle. E. R. Sargent and H. G. Collins. No. 1,094,681; Apr. 28; Gaz. vol. 201; p. 1006.
- Box holder, Packing-. N. C. Lynd. No. 1,086,192; Feb. 3; Gaz. vol. 199; p. 217.
- Box-lid fastener. O. A. Baumann. No. 1,100,647; June 16; Gaz. vol. 203; p. 860.
- Box-lid fastening. H. G. Hepner. No. 1,098,382; June 2; Gaz. vol. 203; p. 9.
- Box-lid holder. F. Huston. No. 1,116,285; Nov. 3; Gaz. vol. 208; p. 278.
- Box-lid presser. O. D. Gibbs. No. 1,105,900; Aug. 4; Gaz. vol. 205; p. 109.
- Box-lidding machine. O. D. Gibbs. No. 1,111,894; Sept. 29; Gaz. vol. 206; p. 1231.
- Box-lifting device. A. E. Gadley. No. 1,111,893; Sept. 29; Gaz. vol. 206; p. 1231.
- Box lock or fastener. J. F. Beehler. No. 1,094,772; Apr. 28; Gaz. vol. 201; p. 1039.
- Box lock or fastener. J. F. Beehler. No. 1,094,773; Apr. 28; Gaz. vol. 201; p. 1039.
- Box-locking attachment. F. W. Morey. No. 1,108,464; Aug. 25; Gaz. vol. 205; p. 1146.
- Box-machine. C. Burnham. No. 1,119,343; Dec. 1; Gaz. vol. 209; p. 152.
- Box-machine. J. H. Greenstreet. No. 1,113,329; Oct. 13; Gaz. vol. 207; p. 362.
- Box machine, Berry-. C. W. Stevenson. No. 1,122,814; Dec. 29; Gaz. vol. 209; p. 1520.
- Box-machine creasing-bar. J. E. Erickson. No. 1,119,074; Dec. 1; Gaz. vol. 209; p. 62.
- Box machine, Wire-bound-. J. H. and J. H. Birch. No. 1,107,192; Aug. 11; Gaz. vol. 205; p. 604.
- Box machine, Wire-bound-. A. M. Hood. No. 1,107,216; Aug. 11; Gaz. vol. 205; p. 613.
- Box-making machine. C. Burnham. No. 1,119,340; Dec. 1; Gaz. vol. 209; p. 151.
- Box-making machine. C. Burnham. No. 1,119,341; Dec. 1; Gaz. vol. 209; p. 151.
- Box-making machine. C. Burnham. No. 1,119,342; Dec. 1; Gaz. vol. 209; p. 152.
- Box-making machine. T. J. Clarke and A. Illy. No. 1,098,314; May 26; Gaz. vol. 202; p. 1207.
- Box-making machine. F. R. Harris. No. 1,088,899; Mar. 3; Gaz. vol. 200; p. 77.
- Box-making machine. H. A. Inman. No. 1,098,386; June 2; Gaz. vol. 203; p. 10.
- Box-making machine. H. A. Inman. No. 1,118,863; Nov. 24; Gaz. vol. 208; p. 1302.
- Box-making machine. E. Jagenberg. No. 1,100,740; June 23; Gaz. vol. 203; p. 947.
- Box-making machine. E. Jagenberg. No. 1,102,755; July 7; Gaz. vol. 204; p. 187.
- Box-making machine. A. L. and F. N. Weis. No. 1,095,536; May 5; Gaz. vol. 202; p. 125.
- Box-nailing machinery. Nail-picking machine for. C. G. Lundholm. No. 1,108,594; Aug. 25; Gaz. vol. 205; p. 1192.
- Box-nailing mechanism. E. C. Northrup. No. 1,112,083; Sept. 29; Gaz. vol. 206; p. 1291.
- Box-opener. H. Bahlsten. No. 1,085,372; Jan. 27; Gaz. vol. 198; p. 804.
- Box-opener. F. C. Boysen. No. 1,103,126; July 14; Gaz. vol. 204; p. 363.
- Box-opener. E. Hyer. No. 1,112,801; Oct. 6; Gaz. vol. 207; p. 137.
- Box-opener. P. Libonati. No. 1,090,316; Mar. 17; Gaz. vol. 200; p. 653.
- Box-opener. A. I. Platt. No. 1,093,946; Apr. 21; Gaz. vol. 201; p. 695.
- Box opener, Pasteboard-. J. L. Washburne. No. 1,095,251; May 5; Gaz. vol. 202; p. 27.
- Box-opening implement. E. E. Stacy. No. 1,110,969; Sept. 15; Gaz. vol. 206; p. 828.
- Box or case. L. E. Brown. No. 1,119,804; Dec. 8; Gaz. vol. 209; p. 346.
- Box or crate. J. G. Hickey and F. J. Baird. No. 1,112,698; Oct. 6; Gaz. vol. 207; p. 103.
- Box packing and covering machine. J. R. Smith and P. E. Williams. No. 1,116,337; Nov. 3; Gaz. vol. 208; p. 295.
- Box-panel. W. H. Doble. No. 1,093,548; Apr. 14; Gaz. vol. 201; p. 517.
- Box-part-tonguing-and-grooving machine. L. P. Warner. No. 1,106,759; Aug. 11; Gaz. vol. 205; p. 454.
- Box-press. J. F. Smith. No. 1,105,463; July 28; Gaz. vol. 204; p. 1264.
- Box-press. A. R. Stevens. No. 1,095,940; May 5; Gaz. vol. 202; p. 259.
- Box-spout. A. J. Shindler. No. 1,101,337; June 23; Gaz. vol. 203; p. 1154.
- Box-staying machine. W. F. Welter. No. 1,092,614; Apr. 7; Gaz. vol. 201; p. 170.
- Box-stays, Machine for applying. P. C. Wellman. No. 1,097,112; May 19; Gaz. vol. 202; p. 742.
- Box-strapping. L. S. Howe. (Reissue.) No. 13,765; July 7; Gaz. vol. 204; p. 278.
- Box-strapping apparatus. J. S. Slattery. No. 1,119,996; Dec. 8; Gaz. vol. 209; p. 413.
- Box-strapping, Wire. G. C. D. Miller. No. 1,099,189; June 9; Gaz. vol. 203; p. 323.
- Box-tie. L. W. Zaar and J. Ubelaker. No. 1,117,298; Nov. 17; Gaz. vol. 208; p. 718.
- Box-topping machine. J. F. O'Brien and G. F. Bowdle. No. 1,106,727; Aug. 11; Gaz. vol. 205; p. 443.
- Box-tops and other articles, Device for use in severing. C. T. Price. No. 1,097,362; May 19; Gaz. vol. 202; p. 830.
- Boxes and the like, Closure for. V. Oreggia. No. 1,099,815; June 9; Gaz. vol. 203; p. 538.
- Boxes and tubes, Forming. R. S. Bolger. No. 1,090,593; Mar. 17; Gaz. vol. 200; p. 751.
- Boxes, Machine for making flexible. E. G. Staude. No. 1,104,012; July 21; Gaz. vol. 204; p. 709.
- Boxes, Producing. C. W. Hubbard, Jr. No. 1,118,131; Nov. 24; Gaz. vol. 208; p. 1049.
- Boxes, Protecting-strip for match and other. A. J. Haller. No. 1,106,330; Aug. 4; Gaz. vol. 205; p. 256.
- Boxing, Dust and water proof. J. J. Kauble. No. 1,113,445; Oct. 13; Gaz. vol. 207; p. 404.
- Brace: See Automobile-brace; Back-brace; Bed-brace; Bit-brace; Chair-brace; Dental jaw-brace; Door-brace; Drill-brace; Drilling-mechanism brace; Eaves-trough brace; Foot-brace; Lightning-rod brace; Oven-brace; Rail-brace; Railway-rail brace; Ratchet-brace; Shoulder-brace.
- Brace. F. Gruwell and J. T. M. Cann. No. 1,121,999; Dec. 22; Gaz. vol. 209; p. 1200.
- Brace. S. R. Still. No. 1,085,067; Jan. 20; Gaz. vol. 198; p. 661.
- Brace and support for pelvic viscera. S. M. Anderson. No. 1,097,070; May 19; Gaz. vol. 202; p. 728.
- Brace and tie-plate, Combined. V. Angerer. No. 1,118,836; Nov. 24; Gaz. vol. 208; p. 1293.
- Bracing-iron. J. B. Bankson. No. 1,110,178; Sept. 8; Gaz. vol. 206; p. 511.
- Bracelet. E. L. Anderson. No. 1,085,520; Jan. 27; Gaz. vol. 198; p. 852.
- Bracelet. P. Rittersbacher. No. 1,090,652; Mar. 17; Gaz. vol. 200; p. 771.
- Bracelet. C. F. Trommer. No. 1,120,567; Dec. 8; Gaz. vol. 209; p. 615.
- Bracelet and similar article. E. Jones. No. 1,103,776; July 14; Gaz. vol. 204; p. 588.
- Bracelet-bending machine. C. E. Mountford. No. 1,094,676; Apr. 28; Gaz. vol. 201; p. 1004.
- Bracelet, Box-. J. A. Oexle. No. 1,116,910; Nov. 10; Gaz. vol. 208; p. 542.

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- Bracelet-chain clasp. R. King. No. 1,117,055; Nov. 10; Gaz. vol. 208; p. 592.
- Bracelet-clasp. C. L. Rhodes. No. 1,115,336; Oct. 27; Gaz. vol. 207; p. 1159.
- Bracelet, Expandable. R. Loog. No. 1,089,931; Mar. 10; Gaz. vol. 200; p. 481.
- Bracelet-holder for watches. A. C. Becken. No. 1,093,757; Apr. 21; Gaz. vol. 201; p. 632.
- Bracelet-joint. C. Billington and R. F. Gibbs. No. 1,107,132; Aug. 11; Gaz. vol. 205; p. 581.
- Bracelet-link. O. F. Keith. No. 1,098,505; June 2; Gaz. vol. 203; p. 51.
- Bracelet link, Elastic-. W. B. Ballou. No. 1,098,078; May 26; Gaz. vol. 202; p. 1125.
- Bracelet link, Elastic-. J. H. Hennessey. No. 1,092,648; Apr. 7; Gaz. vol. 201; p. 182.
- Bracelet link, Expandable-. F. S. Ellis. No. 1,118,192; Nov. 24; Gaz. vol. 208; p. 1069.
- Bracelet, Watch-. J. S. Murphey. No. 1,101,500; June 23; Gaz. vol. 203; p. 1211.
- Bracelet watch-holder. A. C. Becken. No. 1,093,758; Apr. 21; Gaz. vol. 201; p. 632.
- Bracelet watch-holder. A. C. Becken. No. 1,093,759; Apr. 21; Gaz. vol. 201; p. 632.
- Bracelet watch-holder. A. C. Eckert. No. 1,093,610; Apr. 21; Gaz. vol. 201; p. 581.
- Bracelet with watch-holder. K. Scheufele. No. 1,100,496; June 16; Gaz. vol. 203; p. 811.
- Bracelets, Expandable securing device for watch-. C. L. Depollier and E. C. Duncuff. No. 1,113,885; Oct. 13; Gaz. vol. 207; p. 558.
- Bracelets, necklaces, and similar articles of jewelry, Safety-clasp for. C. Strauss and G. Rommel. No. 1,094,947; Apr. 28; Gaz. vol. 201; p. 1100.
- Bracket. *See* Adjustable bracket; Automobile number-supporting bracket; Automobile sign-bracket; Bed-spring corner-bracket; Bedpost-bracket; Bedstead corner-bracket; Boiler-bracket; Car-door bracket; Counter-bracket; Counter-guard bracket; Counter-partition bracket; Curtain-bracket; Curtain and shade bracket; Curtain-pole bracket; Dental engine-bracket; Electric-cable-supporting bracket; Electric-light bracket; Ladder-bracket; Lamp-bracket; License-plate bracket; Number-bracket; Number-plate bracket; Radiator-bracket; Roof-bracket; Shade-bracket; Shade adjustable bracket; Shade and curtain bracket; Shade and curtain-pole bracket; Shade and curtain-pole supporting bracket; Shade-roller bracket; Shade-roller and curtain bracket; Shelf-bracket; Shingling-bracket; Supporting-bracket; Swinging bracket; Telegraph and like pole bracket; Tire-bracket; Tire-carrier bracket; Toilet-bracket; Top-support bracket; Transmitter-bracket; Trestle-bracket; Wall-bracket.
- Bracket. O. A. Boehm. No. 1,096,282; May 12; Gaz. vol. 202; p. 415.
- Bracket. J. E. Cavey. No. 1,092,020; Mar. 31; Gaz. vol. 200; p. 1310.
- Bracket. P. S. Delany. No. 1,113,884; Oct. 13; Gaz. vol. 207; p. 557.
- Bracket. T. C. Lawless. No. 1,116,597; Nov. 10; Gaz. vol. 208; p. 431.
- Bracket. J. M. Lieb. No. 1,114,997; Oct. 27; Gaz. vol. 207; p. 1043.
- Bracket. F. X. Mudd. No. 1,115,961; Nov. 3; Gaz. vol. 208; p. 169.
- Bracket. A. H. and G. A. Nichols. No. 1,099,758; June 9; Gaz. vol. 203; p. 519.
- Bracket. I. Schwinn. No. 1,111,503; Sept. 22; Gaz. vol. 206; p. 1055.
- Bracket. J. H. Thompson. No. 1,096,967; May 19; Gaz. vol. 202; p. 691.
- Bracket. J. F. Vogel. No. 1,112,736; Oct. 6; Gaz. vol. 207; p. 115.
- Bracket-arm. F. P. Kobert. No. 1,087,301; Feb. 17; Gaz. vol. 199; p. 695.
- Bracket for pivotally supporting signs, mirrors, and similar devices. M. Tischler. No. 1,110,973; Sept. 15; Gaz. vol. 206; p. 830.
- Braid-holder. E. M. Goldsmith. No. 1,090,612; Mar. 17; Gaz. vol. 200; p. 758.
- Braid making and treating machine. F. J. Healey and S. R. Sheppard. No. 1,098,257; May 26; Gaz. vol. 202; p. 1185.
- Braider, Duplex. R. C. Rahm. No. 1,118,680; Nov. 24; Gaz. vol. 208; p. 1242.
- Braiding-machine. P. Butler. No. 1,091,805; Mar. 31; Gaz. vol. 200; p. 1238.
- Braiding-machine. H. Z. Cobb. No. 1,117,330; Nov. 17; Gaz. vol. 208; p. 730.
- Braiding-machine. H. Z. Cobb. No. 1,117,331; Nov. 17; Gaz. vol. 208; p. 730.
- Braiding-machine. W. E. Elliott. No. 1,103,181; July 14; Gaz. vol. 204; p. 382.
- Braiding-machine. T. H. Jones. No. 1,084,442; Jan. 13; Gaz. vol. 198; p. 421.
- Braiding-machine. A. Petersen. No. 1,105,452; July 28; Gaz. vol. 204; p. 1260.
- Braiding-machine. S. W. Wardwell. No. 1,085,369; Jan. 27; Gaz. vol. 198; p. 803.
- Braiding-machine for making braided and plaited lace. E. Jardine and J. Archer. No. 1,102,926; July 7; Gaz. vol. 204; p. 244.
- Braiding-machines, Take-up and winding-on mechanism for. S. W. Wardwell. No. 1,083,642; Jan. 6; Gaz. vol. 198; p. 127.
- Braiding-machines, Unwinding mechanism for. H. A. Phillips and G. Piepenbring. No. 1,117,438; Nov. 17; Gaz. vol. 208; p. 766.
- Brake. *See* Air-brake; Auto emergency-brake; Automatic brake; Automobile-brake; Automobile emergency-brake; Automobile truck-brake; Band-brake; Beamless brake; Bicycle-brake; Car-brake; Car drag-brake; Car or locomotive brake; Clasp-brake; Coaster-brake; Doubletree-brake; Drum-brake; Electric brake; Electrically-operated brake; Electromagnetic brake; Electropneumatic brake; Elevator-brake; Emergency-brake; Fluid-brake; Fluid-operated brake; Fluid-pressure brake; Friction-brake; Hammer-brake; Hand-brake; Hub-brake; Hub-band brake; Linotype-machine brake; Load-brake; Locomotive-brake; Loom-brake; Mechanically-operated brake; Phonograph-brake; Pneumatic brake; Railway-brake; Safety-brake; Ship-brake; Sled-brake; Sleigh-brake; Solenoid-brake; Sprag-brake; Steam-brake; Train-brake; Truck-brake; Vehicle-brake; Vehicle rebound-brake; Vessel-brake; Wagon-brake; Wheel-brake.
- Brake. T. M. Freeble. No. 1,122,582; Dec. 29; Gaz. vol. 209; p. 1437.
- Brake. H. Fresh. No. 1,110,767; Sept. 15; Gaz. vol. 206; p. 757.
- Brake. A. Hoffman. No. 1,119,282; Dec. 1; Gaz. vol. 209; p. 131.
- Brake. H. Klein. No. 1,118,021; Nov. 24; Gaz. vol. 208; p. 1011.
- Brake. T. E. Linfoot. No. 1,097,451; May 19; Gaz. vol. 202; p. 859.
- Brake. W. B. Price. No. 1,116,115; Nov. 3; Gaz. vol. 208; p. 222.
- Brake. E. S. Robinson. No. 1,092,746; Apr. 7; Gaz. vol. 201; p. 214.
- Brake. J. A. Williams. No. 1,101,370; June 23; Gaz. vol. 203; p. 1165.
- Brake-actuating mechanism. C. A. Lindström. No. 1,120,151; Dec. 8; Gaz. vol. 209; p. 467.
- Brake-actuating mechanism. C. A. Lindström. No. 1,120,152; Dec. 8; Gaz. vol. 209; p. 467.
- Brake-actuating mechanism. C. A. Lindström. No. 1,120,395; Dec. 8; Gaz. vol. 209; p. 554.
- Brake-actuating mechanism. T. Priem. No. 1,116,917; Nov. 10; Gaz. vol. 208; p. 545.
- Brake and brake-liner. W. T. Bonner. No. 1,117,774; Nov. 17; Gaz. vol. 208; p. 887.
- Brake and shock-absorber, Combination. E. Bugatti. No. 1,117,972; Nov. 24; Gaz. vol. 208; p. 993.
- Brake apparatus, Alternating-current electromagnetic. D. L. Lindquist. No. 1,102,522; July 7; Gaz. vol. 204; p. 105.
- Brake apparatus, Electropneumatic. E. H. Dewson and W. V. Turner. No. 1,092,141; Apr. 7; Gaz. vol. 201; p. 6.
- Brake apparatus, Fluid-pressure. M. Corrington. No. 1,110,300; Sept. 8; Gaz. vol. 206; p. 554.
- Brake apparatus, Fluid-pressure. M. Corrington. No. 1,110,301; Sept. 8; Gaz. vol. 206; p. 554.
- Brake apparatus, Fluid-pressure. W. V. Turner. No. 1,108,280; Aug. 25; Gaz. vol. 205; p. 1083.
- Brake apparatus, Load. A. J. Ewald. No. 1,107,505; Aug. 18; Gaz. vol. 205; p. 764.
- Brake appliance, Derailment. W. R. Carroll. No. 1,089,623; Mar. 10; Gaz. vol. 200; p. 373.
- Brake appliance, Vehicle. C. Papai and J. Petri. No. 1,106,834; Aug. 11; Gaz. vol. 205; p. 480.
- Brake-applying mechanism. G. H. Wooten. No. 1,121,317; Dec. 15; Gaz. vol. 209; p. 925.
- Brake arrangement for six-wheel trucks. J. A. Pilcher. No. 1,095,594; May 5; Gaz. vol. 202; p. 144.
- Brake attachment for trucks. F. A. Grier. No. 1,092,989; Apr. 14; Gaz. vol. 201; p. 331.
- Brake attachment for vehicles. H. A. Pinegar. No. 1,114,382; Oct. 20; Gaz. vol. 207; p. 772.
- Brake attachment, Wagon-. J. P. Hise. No. 1,106,942; Aug. 11; Gaz. vol. 205; p. 519.
- Brake, Automatic control for a band-. G. P. Wern. No. 1,109,382; Sept. 1; Gaz. vol. 206; p. 188.
- Brake-beam. W. C. Hodgcock. No. 1,093,851; Apr. 21; Gaz. vol. 201; p. 664.
- Brake-beam. E. F. Kenney. No. 1,116,439; Nov. 10; Gaz. vol. 208; p. 372.
- Brake-beam and hanger-lever. T. L. Burton. No. 1,097,000; May 19; Gaz. vol. 202; p. 701.
- Brake-beam, Cast-metal. C. H. Williams, Jr. No. 1,106,765; Aug. 11; Gaz. vol. 205; p. 456.
- Brake-beam forge-steel fulcrum. A. Waycott. No. 1,121,212; Dec. 15; Gaz. vol. 209; p. 889.
- Brake-beam fulcrum. J. J. Byers. No. 1,098,425; June 2; Gaz. vol. 203; p. 24.
- Brake-beam fulcrum. A. Waycott. No. 1,121,213; Dec. 15; Gaz. vol. 209; p. 890.

Alphabetical list of inventions—Continued.

- Brake-beam fulcrum, Reversible. H. Z. Ebbs. No. 1,112,125; Sept. 29; Gaz. vol. 206; p. 1306.
- Brake-beams, Duplex third-point support for. C. H. Williams, Jr. No. 1,114,210; Oct. 20; Gaz. vol. 207; p. 712.
- Brake-beams, Reversible strut for. P. B. Harrison. No. 1,105,137; July 28; Gaz. vol. 204; p. 1147.
- Brake-beams, Reversible strut for. P. B. Harrison. No. 1,105,138; July 28; Gaz. vol. 204; p. 1147.
- Brake-block or the like. H. Frood. No. 1,102,215; June 30; Gaz. vol. 203; p. 1514.
- Brake-blocks, Making. H. Frood. No. 1,096,705; May 12; Gaz. vol. 202; p. 556.
- Brake-control apparatus, Automatic train-. H. M. P. Murphy. No. 1,104,823; July 28; Gaz. vol. 204; p. 1039.
- Brake-controlling device, Automatic. G. C. Sweet. No. 1,084,503; Jan. 13; Gaz. vol. 198; p. 439.
- Brake-cylinders, Packing-joint for. D. H. René. No. 1,085,222; Jan. 27; Gaz. vol. 198; p. 752.
- Brake device. A. J. Adams. No. 1,085,573; Jan. 27; Gaz. vol. 198; p. 869.
- Brake-governing apparatus. F. James. No. 1,088,074; Feb. 24; Gaz. vol. 199; p. 1011.
- Brake-governor. H. A. Abel. No. 1,122,225; Dec. 22; Gaz. vol. 209; p. 1276.
- Brake-handle. S. Udstad. No. 1,097,952; May 26; Gaz. vol. 202; p. 1081.
- Brake-handle. G. A. Webster. No. 1,105,866; Aug. 4; Gaz. vol. 205; p. 98.
- Brake-hanger. W. F. Kiesel, Jr. No. 1,098,808; June 2; Gaz. vol. 203; p. 153.
- Brake-hanger, Resilient. W. G. and O. S. Lamb. No. 1,093,864; Apr. 21; Gaz. vol. 201; p. 668.
- Brake-head. E. L. White. No. 1,118,715; Nov. 24; Gaz. vol. 208; p. 1254.
- Brake head and shoe. J. J. Tatum. No. 1,119,664; Dec. 1; Gaz. vol. 209; p. 263.
- Brake-lever. W. S. Draper. No. 1,119,689; Dec. 1; Gaz. vol. 209; p. 272.
- Brake-lever, Adjustable. C. H. Thompson. No. 1,088,247; Feb. 24; Gaz. vol. 199; p. 1070.
- Brake-lever, Ratchet. R. H. Blackall. No. 1,083,519; Jan. 6; Gaz. vol. 198; p. 85.
- Brake-lining. W. G. Hofmann. No. 1,120,617; Dec. 8; Gaz. vol. 209; p. 633.
- Brake mechanism. A. A. Ball, Jr. No. 1,107,642; Aug. 18; Gaz. vol. 205; p. 813.
- Brake mechanism. H. C. Buhoup. No. 1,093,683; Apr. 21; Gaz. vol. 201; p. 609.
- Brake mechanism. W. P. Collins. No. 1,084,791; Jan. 20; Gaz. vol. 198; p. 569.
- Brake mechanism. W. P. Collins. No. 1,084,792; Jan. 20; Gaz. vol. 198; p. 570.
- Brake mechanism. W. P. Collins. No. 1,086,649; Feb. 10; Gaz. vol. 199; p. 419.
- Brake mechanism. W. P. Collins. No. 1,093,172; Apr. 14; Gaz. vol. 201; p. 396.
- Brake mechanism. W. P. Collins. No. 1,108,138; Aug. 25; Gaz. vol. 205; p. 1033.
- Brake mechanism. W. H. Douglas. No. 1,101,123; June 23; Gaz. vol. 203; p. 1081.
- Brake mechanism. L. A. Hoerr. No. 1,094,442; Apr. 28; Gaz. vol. 201; p. 920.
- Brake mechanism. T. W. Newburn. No. 1,095,286; May 5; Gaz. vol. 202; p. 38.
- Brake mechanism. A. J. O'Brien. No. 1,092,162; Apr. 7; Gaz. vol. 201; p. 13.
- Brake mechanism. C. A. Terry. No. 1,091,869; Mar. 31; Gaz. vol. 200; p. 1262.
- Brake mechanism. H. S. Valentine. No. 1,114,317; Oct. 20; Gaz. vol. 207; p. 749.
- Brake mechanism, Automatic. A. M. Tozzi. No. 1,107,868; Aug. 18; Gaz. vol. 205; p. 892.
- Brake mechanism, Electromagnetic. W. D. Lutz. No. 1,102,528; July 7; Gaz. vol. 204; p. 107.
- Brake mechanism, Fluid-pressure. R. A. Philbrick. No. 1,123,001; Dec. 29; Gaz. vol. 209; p. 1586.
- Brake mechanism for motor-cars. R. Huff. No. 1,120,056; Dec. 8; Gaz. vol. 209; p. 434.
- Brake mechanism for trains, Automatic. J. Samuels. No. 1,112,481; Oct. 6; Gaz. vol. 207; p. 23.
- Brake mechanism, Hand. W. E. Coffin. No. 1,098,427; June 2; Gaz. vol. 203; p. 25.
- Brake mechanism, Hand. W. E. Coffin. No. 1,098,428; June 2; Gaz. vol. 203; p. 25.
- Brake mechanism, Hand. F. J. Trumper. No. 1,098,415; June 2; Gaz. vol. 203; p. 20.
- Brake mechanism, Hand. W. E. Wine. No. 1,099,528; June 9; Gaz. vol. 203; p. 441.
- Brake mechanism, Hand-operated. W. D. Brewster. No. 1,111,640; Sept. 22; Gaz. vol. 206; p. 1104.
- Brake mechanism, Ratchet. R. H. Blackall. No. 1,120,123; Dec. 8; Gaz. vol. 209; p. 457.
- Brake mechanism, Rotary. W. P. Collins. No. 1,102,325; July 7; Gaz. vol. 204; p. 37.
- Brake mechanism, Self-acting and self-regulating. C. F. Parker. No. 1,111,089; Sept. 22; Gaz. vol. 206; p. 913.
- Brake-operating device. J. A. Anthony. No. 1,109,501; Sept. 1; Gaz. vol. 206; p. 226.
- Brake-operating device. M. E. Pue. No. 1,103,686; July 14; Gaz. vol. 204; p. 559.
- Brake-operating means. M. S. Clark. No. 1,091,121; Mar. 24; Gaz. vol. 200; p. 962.
- Brake-operating mechanism, Electromagnetic. G. E. Hindley. No. 1,121,725; Dec. 22; Gaz. vol. 209; p. 1104.
- Brake ratchet, Hand-. F. T. Reese. No. 1,090,230; Mar. 17; Gaz. vol. 200; p. 624.
- Brake ratchet mechanism. W. J. Knox and F. J. Harrison. No. 1,116,712; Nov. 10; Gaz. vol. 208; p. 473.
- Brake-rigging. T. L. Burton. No. 1,102,208; June 30; Gaz. vol. 203; p. 1510.
- Brake-rigging, Clasp. T. L. Burton. No. 1,097,912; May 26; Gaz. vol. 202; p. 1068.
- Brake safety device. S. G. Down. No. 1,083,351; Jan. 6; Gaz. vol. 198; p. 31.
- Brake-setting mechanism. G. E. Henry. No. 1,122,500; Dec. 29; Gaz. vol. 209; p. 1408.
- Brake-shaft mechanism. F. J. Harrison and W. J. Knox. No. 1,116,698; Nov. 10; Gaz. vol. 208; p. 468.
- Brake-shoe. H. J. Camp. No. 1,110,744; Sept. 15; Gaz. vol. 206; p. 750.
- Brake-shoe. A. G. Campbell. No. 1,122,853; Dec. 29; Gaz. vol. 209; p. 1534.
- Brake-shoe. M. R. De France. No. 1,114,343; Oct. 20; Gaz. vol. 207; p. 758.
- Brake-shoe. G. S. Evans. No. 1,085,555; Jan. 27; Gaz. vol. 198; p. 862.
- Brake-shoe. J. M. Griffin. No. 1,093,776; Apr. 21; Gaz. vol. 201; p. 637.
- Brake-shoe. L. E. Hinkley. No. 1,117,048; Nov. 10; Gaz. vol. 208; p. 589.
- Brake-shoe. H. Jones. No. 1,111,025; Sept. 22; Gaz. vol. 206; p. 891.
- Brake-shoe. J. J. Kinzer. No. 1,094,220; Apr. 21; Gaz. vol. 201; p. 788.
- Brake-shoe. J. J. Morse and W. S. Gemmer. No. 1,087,676; Feb. 17; Gaz. vol. 199; p. 828.
- Brake-shoe. H. B. Nichols and G. M. Richardson. No. 1,111,606; Sept. 22; Gaz. vol. 206; p. 1091.
- Brake-shoe. C. D. Pettis. No. 1,100,092; June 16; Gaz. vol. 203; p. 671.
- Brake-shoe. C. D. Pettis. No. 1,100,093; June 16; Gaz. vol. 203; p. 672.
- Brake-shoe. C. D. Pettis. No. 1,100,094; June 16; Gaz. vol. 203; p. 672.
- Brake-shoe. C. D. Pettis. No. 1,100,196; June 16; Gaz. vol. 203; p. 708.
- Brake-shoe. C. D. Pettis. No. 1,104,925; July 28; Gaz. vol. 204; p. 1075.
- Brake-shoe. C. D. Pettis and P. H. Batten. No. 1,104,924; July 28; Gaz. vol. 204; p. 1074.
- Brake-shoe. W. M. Simpson. No. 1,113,701; Oct. 13; Gaz. vol. 207; p. 492.
- Brake-shoe. A. L. Streeter. No. 1,090,892; Mar. 24; Gaz. vol. 200; p. 882.
- Brake-shoe. J. J. Tatum. No. 1,121,209; Dec. 15; Gaz. vol. 209; p. 889.
- Brake-shoe. C. H. True. No. 1,114,941; Oct. 27; Gaz. vol. 207; p. 1023.
- Brake-shoe. C. H. True. No. 1,114,942; Oct. 27; Gaz. vol. 207; p. 1023.
- Brake-shoe. C. D. Young. No. 1,119,383; Dec. 1; Gaz. vol. 209; p. 167.
- Brake-shoe and back. F. W. Sargent. No. 1,120,089; Dec. 8; Gaz. vol. 209; p. 444.
- Brake-shoe back. J. D. Gallagher. No. 1,111,017; Sept. 22; Gaz. vol. 206; p. 889.
- Brake-shoe, Reinforced. J. J. Morse. No. 1,095,019; Apr. 28; Gaz. vol. 201; p. 1124.
- Brake-shoe, Reinforced. J. J. Morse. No. 1,112,376; Sept. 29; Gaz. vol. 206; p. 1395.
- Brake-shoe, Reinforced. J. J. Morse. No. 1,112,377; Sept. 29; Gaz. vol. 206; p. 1395.
- Brake-shoe reinforcements, Making. N. H. Davis. No. 1,100,175; June 16; Gaz. vol. 203; p. 701.
- Brake-shoe, Segmental. J. D. Gallagher. No. 1,122,583; Dec. 29; Gaz. vol. 209; p. 1437.
- Brake-shoes, Back for. J. S. Thompson. No. 1,095,297; May 5; Gaz. vol. 202; p. 43.
- Brake-shoes, Hinged back for. J. D. Gallagher. No. 1,117,366; Nov. 17; Gaz. vol. 208; p. 742.
- Brake-shoes, Making. A. L. Streeter. No. 1,118,160; Nov. 24; Gaz. vol. 208; p. 1058.
- Brake-shoes, Metallic back for. G. S. Evans. No. 1,109,122; Sept. 1; Gaz. vol. 206; p. 93.
- Brake-shoes, Reinforced lug for. G. Cook. No. 1,109,112; Sept. 1; Gaz. vol. 206; p. 90.
- Brake-shoes, Steel back and lug for. W. H. Haring. No. 1,102,582; July 7; Gaz. vol. 204; p. 127.
- Brake-slack adjuster. C. O. Anderson. No. 1,084,834; Jan. 20; Gaz. vol. 198; p. 584.
- Brake-slack adjuster. J. S. Harding. No. 1,109,837; Sept. 8; Gaz. vol. 206; p. 386.
- Brake slack-adjuster, Railway-. W. H. Sauvage. No. 1,114,295; Oct. 20; Gaz. vol. 207; p. 742.
- Brake slack-adjuster, Railway-. W. H. Sauvage. No. 1,117,707; Nov. 17; Gaz. vol. 208; p. 862.
- Brake slack-adjuster, Railway-. F. D. Ward. No. 1,112,504; Oct. 6; Gaz. vol. 207; p. 32.
- Brake-stop. A. E. Ostrander. No. 1,097,931; May 26; Gaz. vol. 202; p. 1073.

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- Brake system, Electropneumatic. J. S. Doyle. No. 1,090,841; Mar. 24; Gaz. vol. 200; p. 864.
- Brake system, Fluid-pressure. W. H. Sauvage. No. 1,088,299; Feb. 24; Gaz. vol. 199; p. 1088.
- Brake systems, Crossover connection for fluid-. W. F. Hammond. No. 1,092,043; Mar. 31; Gaz. vol. 200; p. 1317.
- Brake torque-frame. W. MacGlashan. No. 1,102,529; July 7; Gaz. vol. 204; p. 107.
- Brake valve, Automatic railway-. B. F. Shurz. No. 1,092,958; Apr. 14; Gaz. vol. 201; p. 321.
- Brake-valve-controlling device for vehicles. F. T. Jones. No. 1,109,337; Sept. 1; Gaz. vol. 206; p. 171.
- Brakes, Automatic adjusting device for. C. A. Booth. No. 1,107,576; Aug. 18; Gaz. vol. 205; p. 789.
- Brakes, Automatic slack-adjuster for. W. H. Sauvage. No. 1,120,090; Dec. 8; Gaz. vol. 209; p. 444.
- Brakes, Device for accelerating the application of pneumatic. F. J. Chapsal and A. L. E. Sailot. No. 1,092,339; Apr. 7; Gaz. vol. 201; p. 75.
- Brakes for railway-vehicles, Apparatus for the control of. P. Utne. No. 1,105,316; July 28; Gaz. vol. 204; p. 1211.
- Braking device for reversible gear mechanism. F. J. Robinson. No. 1,105,377; July 28; Gaz. vol. 204; p. 1235.
- Braking mechanism. H. Wilson. No. 1,118,833; Nov. 24; Gaz. vol. 208; p. 1292.
- Braking mechanism for reeling-machines. G. Sipp. No. 1,119,197; Dec. 1; Gaz. vol. 209; p. 104.
- Braking system. W. Schaafe. No. 1,107,552; Aug. 18; Gaz. vol. 205; p. 779.
- Branch box. M. Havens, Jr. No. 1,094,990; Apr. 28; Gaz. vol. 201; p. 1114.
- Branding cattle, horses, and the like, Composition for. W. H. Gibson. No. 1,101,795; June 30; Gaz. vol. 203; p. 1364.
- Branding-iron. W. F. Christiansen. No. 1,101,616; June 30; Gaz. vol. 203; p. 1302.
- Brass, Pickling. R. R. Parish. No. 1,106,107; Aug. 4; Gaz. vol. 205; p. 184.
- Brass-pickling solutions, Maintaining the efficiency of. R. R. Parish. No. 1,086,079; Feb. 3; Gaz. vol. 199; p. 180.
- Brassière. C. R. De Bevoise. No. 1,106,184; Aug. 4; Gaz. vol. 205; p. 209.
- Brassière. M. Harrington. No. 1,095,109; Apr. 28; Gaz. vol. 201; p. 1153.
- Brassière. M. P. Jacob. No. 1,115,674; Nov. 3; Gaz. vol. 208; p. 71.
- Brazing-clamp, Adjustable. G. H. Cargin. No. 1,084,130; Jan. 13; Gaz. vol. 198; p. 320.
- Bread-cutter. J. Habrie. No. 1,110,773; Sept. 15; Gaz. vol. 206; p. 759.
- Bread-cutting machine. E. Schmidt, *geb.* Walter. No. 1,092,751; Apr. 7; Gaz. vol. 201; p. 216.
- Bread-cutting machines, Ratchet feeding mechanism for. J. E. Johnson. No. 1,112,911; Oct. 6; Gaz. vol. 207; p. 174.
- Bread-delivering machine. J. H. Blythe. No. 1,123,075; Dec. 29; Gaz. vol. 209; p. 1612.
- Bread-making and like apparatus. G. Lunt. No. 1,118,030; Nov. 24; Gaz. vol. 208; p. 1013.
- Bread-pan. W. A. Whalen. No. 1,105,584; July 28; Gaz. vol. 204; p. 1305.
- Bread-proofing apparatus. S. Olson. No. 1,099,266; June 9; Gaz. vol. 203; p. 350.
- Bread-receptacle. C. A. H. Otto. No. 1,086,206; Feb. 3; Gaz. vol. 199; p. 221.
- Bread wrapping and sealing machine. F. Streich and P. E. Franke. No. 1,110,083; Sept. 8; Gaz. vol. 206; p. 475.
- Bread-wrapping machine. H. A. Sévigné. No. 1,117,260; Nov. 17; Gaz. vol. 208; p. 703.
- Bread-wrapping machine. G. R. Ward. No. 1,094,614; Apr. 28; Gaz. vol. 201; p. 980.
- Breast-shield. M. A. Mattson. No. 1,094,158; Apr. 21; Gaz. vol. 201; p. 767.
- Breast-supporter. L. Hain. No. 1,087,579; Feb. 17; Gaz. vol. 199; p. 793.
- Breath-guard. D. C. Barnhill. No. 1,101,898; June 30; Gaz. vol. 203; p. 1398.
- Breathing apparatus, Battery for absorbing carbonic acid as used in. A. B. Dräger. No. 1,085,674; Feb. 3; Gaz. vol. 199; p. 34.
- Breathing device. G. A. Morgan. No. 1,090,936; Mar. 24; Gaz. vol. 200; p. 898.
- Breathing device. G. A. Morgan. No. 1,113,675; Oct. 13; Gaz. vol. 207; p. 483.
- Breech-closure. M. Hermsdorf. No. 1,098,261; May 26; Gaz. vol. 202; p. 1187.
- Breeches, Hunting-. S. J. Fuiks. No. 1,099,875; June 9; Gaz. vol. 203; p. 559.
- Breeching-strap, Metal. B. R. Williams. No. 1,083,383; Jan. 6; Gaz. vol. 198; p. 42.
- Breeder's appliance. C. F. Wright. No. 1,111,935; Sept. 29; Gaz. vol. 206; p. 1244.
- Brewing. H. H. Freund. No. 1,119,504; Dec. 1; Gaz. vol. 209; p. 209.
- Brewing. H. Heuser. No. 1,099,746; June 9; Gaz. vol. 203; p. 515.
- Brewing apparatus. C. B. Davis. No. 1,094,059; Apr. 21; Gaz. vol. 201; p. 733.
- Brewing apparatus, &c. C. B. Davis. No. 1,102,647; July 7; Gaz. vol. 204; p. 150.
- Brick. J. G. Barbour. No. 1,084,058; Jan. 13; Gaz. vol. 198; p. 294.
- Brick, Arch-. A. H. Willett. No. 1,103,236; July 14; Gaz. vol. 204; p. 401.
- Brick, Burning of. G. D. Herrold. No. 1,098,625; June 2; Gaz. vol. 203; p. 92.
- Brick-cleaning machine. J. O. Swisher. No. 1,113,259; Oct. 13; Gaz. vol. 207; p. 337.
- Brick-cut-off table. J. G. Barbour. No. 1,110,371; Sept. 15; Gaz. vol. 206; p. 618.
- Brick-cutting machine. F. B. Dunn. No. 1,122,704; Dec. 29; Gaz. vol. 209; p. 1482.
- Brick-cutting machine. F. W. Miles. No. 1,105,989; Aug. 4; Gaz. vol. 205; p. 140.
- Brick-driers, Gas-furnace for. G. M. Raymond and G. R. Mumma. No. 1,117,905; Nov. 17; Gaz. vol. 208; p. 929.
- Brick, Fire-. C. Hidecker. No. 1,115,429; Oct. 27; Gaz. vol. 207; p. 1192.
- Brick-kiln. B. F. Canavera. No. 1,117,783; Nov. 17; Gaz. vol. 208; p. 890.
- Brick-kiln. W. Drayton. No. 1,122,879; Dec. 29; Gaz. vol. 209; p. 1544.
- Brick-kiln. J. T. Underwood. No. 1,105,724; Aug. 4; Gaz. vol. 205; p. 49.
- Brick-kilns, Charging and discharging conveyer system for. G. L. Bennett. No. 1,085,238; Jan. 27; Gaz. vol. 198; p. 757.
- Brick-machine. J. C. Kelley. No. 1,106,456; Aug. 11; Gaz. vol. 205; p. 346.
- Brick-machine. J. F. Morgal. No. 1,117,078; Nov. 10; Gaz. vol. 208; p. 600.
- Brick-machine. R. G. Rand. No. 1,095,596; May 5; Gaz. vol. 202; p. 144.
- Brick-machine. D. E. Reagan. No. 1,100,989; June 23; Gaz. vol. 203; p. 1035.
- Brick-machine. W. Wakefield. No. 1,101,594; June 30; Gaz. vol. 203; p. 1294.
- Brick-machine. C. S. Wert. No. 1,095,442; May 5; Gaz. vol. 202; p. 92.
- Brick-machine. W. Yeocum. No. 1,102,708; July 7; Gaz. vol. 204; p. 170.
- Brick-machine, Auger. M. Mueller. No. 1,101,142; June 23; Gaz. vol. 203; p. 1088.
- Brick-machines, Cutting-wire for. J. C. Brannock and J. F. Morgal. No. 1,116,980; Nov. 10; Gaz. vol. 208; p. 566.
- Brick-mold. H. E. Hunt. No. 1,109,070; Sept. 1; Gaz. vol. 206; p. 76.
- Brick or tile die, Adjustable. H. C. Ehrick. No. 1,114,870; Oct. 27; Gaz. vol. 207; p. 996.
- Brick, Ornamental. D. E. Reagan. No. 1,118,681; Nov. 24; Gaz. vol. 208; p. 1242.
- Brick-press. C. C. Pfordt. No. 1,106,838; Aug. 11; Gaz. vol. 205; p. 482.
- Brick, Refractory. H. Wessling. No. 1,088,755; Mar. 3; Gaz. vol. 200; p. 29.
- Brick, Refractory. H. Wessling. No. 1,088,756; Mar. 3; Gaz. vol. 200; p. 29.
- Brick-scraping machine. R. S. Tucker and H. R. Farnsworth. No. 1,123,038; Dec. 29; Gaz. vol. 209; p. 1599.
- Bricks, Burning. J. C. Quinn. No. 1,102,546; July 7; Gaz. vol. 204; p. 114.
- Bricks in bulk for drying and burning, Method and apparatus for handling. R. C. Penfield. No. 1,121,658; Dec. 22; Gaz. vol. 209; p. 1080.
- Bricks, Ornamenting. D. E. Reagan. No. 1,101,093; June 23; Gaz. vol. 203; p. 1071.
- Bricks which are closed on all sides, Apparatus for making hollow. J. Wölf. No. 1,102,841; July 7; Gaz. vol. 204; p. 217.
- Bricklayer's guide-line holder. M. Knott and A. C. Bible. No. 1,092,058; Mar. 31; Gaz. vol. 200; p. 1323.
- Bricklaying-machine. J. Kallberg. No. 1,096,306; May 12; Gaz. vol. 202; p. 422.
- Bridge. O. Freeny. No. 1,098,243; May 26; Gaz. vol. 202; p. 1180.
- Bridge. W. E. Moore. No. 1,096,183; May 12; Gaz. vol. 202; p. 379.
- Bridge. C. E. Paine. No. 1,093,202; Apr. 14; Gaz. vol. 201; p. 406.
- Bridge. J. B. Strauss. No. 1,111,872; Sept. 29; Gaz. vol. 206; p. 1223.
- Bridge, Bascule-. T. Rall. No. 1,094,473; Apr. 28; Gaz. vol. 201; p. 932.
- Bridge, Bascule-. A. H. Scherzer. No. 1,104,318; July 21; Gaz. vol. 204; p. 814.
- Bridge, Bascule-. A. H. Scherzer. No. 1,109,792; Sept. 8; Gaz. vol. 206; p. 370.
- Bridge, Bascule-. A. H. Scherzer. No. 1,114,535; Oct. 20; Gaz. vol. 207; p. 828.
- Bridge, Concrete. D. B. Luten. (Reissue.) No. 13,833; Nov. 24; Gaz. vol. 208; p. 1321.
- Bridge construction. H. P. Borden. No. 1,096,348; May 12; Gaz. vol. 202; p. 438.
- Bridge construction. H. Friend. No. 1,095,202; May 5; Gaz. vol. 202; p. 10.
- Bridge construction. G. Huebner. No. 1,122,504; Dec. 29; Gaz. vol. 209; p. 1410.

Alphabetical list of inventions—Continued.

- Bridge construction. D. B. Luten. No. 1,090,081; Mar. 10; Gaz. vol. 200; p. 530.
- Bridge, Ferry-. F. L. Du Bosque. No. 1,118,113; Nov. 24; Gaz. vol. 208; p. 1043.
- Bridge-floor. J. C. Dildine. No. 1,104,879; July 28; Gaz. vol. 204; p. 1059.
- Bridge for trial-frames, Adjustable. A. E. Innes. No. 1,105,790; Aug. 4; Gaz. vol. 205; p. 71.
- Bridge gate, Automatic draw-. E. Lindberg and G. C. Stefan. No. 1,101,297; June 23; Gaz. vol. 203; p. 1141.
- Bridge-gates. C. Faust. No. 1,102,254; July 7; Gaz. vol. 204; p. 11.
- Bridge-truss. E. Beard. No. 1,118,177; Nov. 24; Gaz. vol. 208; p. 1064.
- Bridge-warning indicator. H. R. Campbell. No. 1,098,781; June 2; Gaz. vol. 203; p. 144.
- Bridle. M. J. A. Chedeville. No. 1,102,474; July 7; Gaz. vol. 204; p. 89.
- Bridle. O. Gradberg. No. 1,116,691; Nov. 10; Gaz. vol. 208; p. 466.
- Bridle. F. L. Koepke. No. 1,114,887; Oct. 27; Gaz. vol. 207; p. 1002.
- Bridle. J. B. Price. No. 1,100,613; June 16; Gaz. vol. 203; p. 849.
- Bridle. W. L. Wallick. No. 1,097,490; May 19; Gaz. vol. 202; p. 874.
- Bridle and bit. A. J. Hentschel. No. 1,092,214; Apr. 7; Gaz. vol. 201; p. 31.
- Bridle-bit. S. A. Baskin. No. 1,113,863; Oct. 13; Gaz. vol. 207; p. 551.
- Bridle-bit. C. W. Green. No. 1,084,329; Jan. 13; Gaz. vol. 198; p. 386.
- Bridle-bit. W. N. Mateer. No. 1,091,683; Mar. 31; Gaz. vol. 200; p. 1194.
- Bridle-bit. H. W. Mullins. No. 1,107,223; Aug. 11; Gaz. vol. 205; p. 616.
- Bridle-brow-band loop. W. A. Buche. No. 1,086,891; Feb. 10; Gaz. vol. 199; p. 504.
- Bridle-rosette. T. A. Fox. No. 1,103,576; July 14; Gaz. vol. 204; p. 518.
- Bridle, Track-. M. Patterson. No. 1,098,966; June 2; Gaz. vol. 203; p. 207.
- Briquet. J. Alexander. No. 1,117,125; Nov. 10; Gaz. vol. 208; p. 616.
- Briquet composition and making briquets. E. A. Paterson. No. 1,111,919; Sept. 29; Gaz. vol. 206; p. 1239.
- Briquet-making apparatus. S. B. Goff. No. 1,114,980; Oct. 27; Gaz. vol. 207; p. 1036.
- Briquet-mold. E. Fernholtz. No. 1,107,663; Aug. 18; Gaz. vol. 205; p. 821.
- Briquet-molding machine. W. T. Collins. No. 1,117,483; Nov. 17; Gaz. vol. 208; p. 782.
- Briquets and other articles, Manufacture of. C. M. Reynolds. No. 1,103,078; July 14; Gaz. vol. 204; p. 344.
- Briquets, Making. F. A. Jordan. No. 1,117,853; Nov. 17; Gaz. vol. 208; p. 913.
- Briquets, Making. M. Platsch. No. 1,084,479; Jan. 13; Gaz. vol. 198; p. 432.
- Briquetting apparatus. N. V. Hansell. No. 1,105,510; July 28; Gaz. vol. 204; p. 1280.
- Briquetting-machine. M. White and O. C. Duryea. No. 1,094,039; Apr. 21; Gaz. vol. 201; p. 726.
- Broach. J. Oakley. No. 1,121,126; Dec. 15; Gaz. vol. 209; p. 861.
- Broadcasting apparatus, Wheeled. F. P. Murphy. No. 1,102,786; July 7; Gaz. vol. 204; p. 197.
- Broadcasting mechanism. J. E. Parrish. No. 1,107,992; Aug. 18; Gaz. vol. 205; p. 934.
- Broiler. A. L. Altenbrand. No. 1,101,774; June 30; Gaz. vol. 203; p. 1355.
- Broiler. W. J. Best. No. 1,093,245; Apr. 14; Gaz. vol. 201; p. 420.
- Broiler. C. H. Fletcher. No. 1,096,029; May 12; Gaz. vol. 202; p. 327.
- Broiler. L. H. Raillere. No. 1,093,883; Apr. 21; Gaz. vol. 201; p. 674.
- Broiler-baker. H. Noreck. No. 1,113,473; Oct. 13; Gaz. vol. 207; p. 414.
- Broiler, Cabinet-. C. W. Prentiss. No. 1,088,178; Feb. 24; Gaz. vol. 199; p. 1047.
- Broiler, Camp-. O. D. Collis. No. 1,091,877; Mar. 31; Gaz. vol. 200; p. 1264.
- Broiler, Cooking-kit. W. W. Stopple. No. 1,095,970; May 5; Gaz. vol. 202; p. 269.
- Broiler, Electric. W. Stanley. No. 1,122,041; Dec. 22; Gaz. vol. 209; p. 1216.
- Broiler, Gas-. H. C. Maul. No. 1,091,943; Mar. 31; Gaz. vol. 200; p. 1286.
- Broiler, Gas-. G. W. Murray. No. 1,103,992; July 21; Gaz. vol. 204; p. 702.
- Bromin, Recovery of. A. E. Schaefer. No. 1,085,944; Feb. 3; Gaz. vol. 199; p. 130.
- Bromodiethylacetylisocyanate. F. Hefti. No. 1,086,294; Feb. 3; Gaz. vol. 199; p. 249.
- Bronzing apparatus. F. Gilbert. No. 1,105,508; July 28; Gaz. vol. 204; p. 1279.
- Bronzing-machine. A. J. Ford. No. 1,107,773; Aug. 18; Gaz. vol. 205; p. 860.
- Brooder. C. E. Bonine. No. 1,095,263; May 5; Gaz. vol. 202; p. 30.
- Brooder. L. L. Carson. No. 1,111,947; Sept. 29; Gaz. vol. 206; p. 1247.
- Brooder. M. De Witt. No. 1,093,921; Apr. 21; Gaz. vol. 201; p. 688.
- Brooder. J. K. Eash. No. 1,115,417; Oct. 27; Gaz. vol. 207; p. 1188.
- Brooder. F. M. Ford. No. 1,099,291; June 9; Gaz. vol. 203; p. 359.
- Brooder. H. A. George. No. 1,100,368; June 16; Gaz. vol. 203; p. 767.
- Brooder. E. S. Johnston and W. F. Myers. No. 1,119,430; Dec. 1; Gaz. vol. 209; p. 183.
- Brooder. N. Q. Kelso. No. 1,110,941; Sept. 15; Gaz. vol. 206; p. 819.
- Brooder. J. F. MacKay. No. 1,103,887; July 14; Gaz. vol. 204; p. 626.
- Brooder. P. McCollum. No. 1,115,326; Oct. 27; Gaz. vol. 207; p. 1157.
- Brooder, Chicken-. W. T. Rolph. No. 1,098,531; June 2; Gaz. vol. 203; p. 61.
- Brooder, Chicken-. R. C. Sutton. No. 1,091,900; Mar. 31; Gaz. vol. 200; p. 1271.
- Brooder, Fireless. R. C. B. Lethbridge. No. 1,108,917; Sept. 1; Gaz. vol. 206; p. 19.
- Brooder for chicks. F. W. Hammer. No. 1,086,045; Feb. 3; Gaz. vol. 199; p. 167.
- Brooder, Poultry-. A. F. Dietrick. No. 1,099,788; June 9; Gaz. vol. 203; p. 529.
- Brooder, Poultry-. A. Norton. No. 1,120,738; Dec. 15; Gaz. vol. 209; p. 722.
- Broom. N. H. Beebe and H. E. Smith. No. 1,113,740; Oct. 13; Gaz. vol. 207; p. 507.
- Broom. G. C. Bemis. No. 1,101,520; June 30; Gaz. vol. 203; p. 1268.
- Broom. J. E. Hewett. No. 1,112,906; Oct. 6; Gaz. vol. 207; p. 173.
- Broom. J. C. Hightower. No. 1,112,614; Oct. 6; Gaz. vol. 207; p. 73.
- Broom. K. Modlin. No. 1,107,541; Aug. 18; Gaz. vol. 205; p. 776.
- Broom. H. J. Struve. No. 1,115,255; Oct. 27; Gaz. vol. 207; p. 1134.
- Broom attachment. J. Steine. No. 1,084,974; Jan. 20; Gaz. vol. 198; p. 630.
- Broom-banding machine. N. H. Beebe and G. W. Duvall. No. 1,103,861; July 14; Gaz. vol. 204; p. 617.
- Broom-bridle. A. C. Althouse. No. 1,111,553; Sept. 22; Gaz. vol. 206; p. 1072.
- Broom, brush and mop, Single or reversible. J. Anson. No. 1,116,200; Nov. 3; Gaz. vol. 208; p. 251.
- Broom-holder. A. J. Bate. No. 1,095,068; Apr. 28; Gaz. vol. 201; p. 1140.
- Broom-holder. E. W. Gorham. No. 1,109,413; Sept. 1; Gaz. vol. 206; p. 199.
- Broom-holder. S. W. Hemstreet. No. 1,105,428; July 28; Gaz. vol. 204; p. 1252.
- Broom-holder. G. E. Henry. No. 1,087,291; Feb. 17; Gaz. vol. 199; p. 692.
- Broom-holder. P. Henze. No. 1,089,702; Mar. 10; Gaz. vol. 200; p. 400.
- Broom-holder. F. B. Johnson. No. 1,119,354; Dec. 1; Gaz. vol. 209; p. 156.
- Broom holder, Whisk-. A. Hoyt. No. 1,106,219; Aug. 4; Gaz. vol. 205; p. 220.
- Broom press and nailer, Combination. W. S. Lang. No. 1,101,637; June 30; Gaz. vol. 203; p. 1310.
- Broom-protector. N. P. Boeckx. No. 1,086,987; Feb. 10; Gaz. vol. 199; p. 535.
- Broom-support. T. D. Richards. No. 1,086,858; Feb. 10; Gaz. vol. 199; p. 494.
- Brooms and the like, Holder for. J. F. Morgal. No. 1,117,690; Nov. 17; Gaz. vol. 208; p. 856.
- Brooms, Shipping-carton for. E. J. Veeder. No. 1,088,383; Feb. 24; Gaz. vol. 199; p. 1116.
- Brush. A. A. Beeks. No. 1,118,838; Nov. 24; Gaz. vol. 208; p. 1294.
- Brush. G. C. Bemis. No. 1,100,113; June 16; Gaz. vol. 203; p. 679.
- Brush. A. Bongiovanni. No. 1,121,788; Dec. 22; Gaz. vol. 209; p. 1124.
- Brush. E. A. Briggs. No. 1,115,165; Oct. 27; Gaz. vol. 207; p. 1102.
- Brush. H. C. Brown. No. 1,117,778; Nov. 17; Gaz. vol. 208; p. 888.
- Brush. L. W. Bullard. No. 1,111,643; Sept. 22; Gaz. vol. 206; p. 1105.
- Brush. W. B. Dennis. No. 1,111,955; Sept. 29; Gaz. vol. 206; p. 1249.
- Brush. W. D. Hansey. No. 1,120,476; Dec. 8; Gaz. vol. 209; p. 584.
- Brush. H. A. Hanson. No. 1,088,275; Feb. 24; Gaz. vol. 199; p. 1080.
- Brush. C. W. Linscott. No. 1,086,676; Feb. 10; Gaz. vol. 199; p. 428.
- Brush. C. W. Linscott. No. 1,120,067; Dec. 8; Gaz. vol. 209; p. 438.
- Brush. J. H. Lonskey. No. 1,098,390; June 2; Gaz. vol. 203; p. 11.
- Brush. W. MacKelvey. No. 1,091,228; Mar. 24; Gaz. vol. 200; p. 1000.

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- Brush, J. E. and L. Marcil. No. 1,089,848; Mar. 10; Gaz. vol. 200; p. 450.
- Brush, G. S. Martin and M. Berger. No. 1,099,262; June 9; Gaz. vol. 203; p. 349.
- Brush, H. P. McMillan. No. 1,105,573; July 28; Gaz. vol. 204; p. 1302.
- Brush, R. J. Montgomery. No. 1,121,652; Dec. 22; Gaz. vol. 209; p. 1077.
- Brush, J. Morrison, Jr. No. 1,108,079; Aug. 18; Gaz. vol. 205; p. 964.
- Brush, A. Rásky. No. 1,091,960; Mar. 31; Gaz. vol. 200; p. 1292.
- Brush, E. L. Sharpneck. No. 1,107,715; Aug. 18; Gaz. vol. 205; p. 839.
- Brush, I. L. Staudt. No. 1,113,707; Oct. 13; Gaz. vol. 207; p. 495.
- Brush, M. C. Wilburn. No. 1,110,605; Sept. 15; Gaz. vol. 206; p. 702.
- Brush and can, Fountain-. J. Lynam. No. 1,092,656; Apr. 7; Gaz. vol. 201; p. 184.
- Brush and comb, Combined. A. J. Graber. No. 1,122,103; Dec. 22; Gaz. vol. 209; p. 1235.
- Brush and hanger, Clothes. K. Okubo. No. 1,108,848; Aug. 25; Gaz. vol. 205; p. 1279.
- Brush and mirror, Combined hair-. L. I. Taber. No. 1,094,493; Apr. 28; Gaz. vol. 201; p. 939.
- Brush and scraper, Fluid-pressure-operated combined. F. Gilman and G. F. Clements. No. 1,122,731; Dec. 29; Gaz. vol. 209; p. 1490.
- Brush and the like, Shaving-. H. V. Hardman. No. 1,106,378; Aug. 11; Gaz. vol. 205; p. 318.
- Brush attachment. L. Fries. No. 1,119,264; Dec. 1; Gaz. vol. 209; p. 124.
- Brush-back-supporting block. W. G. Liebig. No. 1,119,023; Dec. 1; Gaz. vol. 209; p. 44.
- Brush, Clothes-. C. Weigel. No. 1,113,589; Oct. 13; Gaz. vol. 207; p. 454.
- Brush, Combination clothes-. C. G. Davis. No. 1,101,065; June 23; Gaz. vol. 203; p. 1062.
- Brush, Curry-. J. P. Adolfsen. No. 1,103,644; July 14; Gaz. vol. 204; p. 544.
- Brush-cutter. W. T. Hinde. No. 1,096,170; May 12; Gaz. vol. 202; p. 374.
- Brush device for receptacles. R. J. Browning. No. 1,092,428; Apr. 7; Gaz. vol. 201; p. 106.
- Brush, Electric. J. Graves. No. 1,098,666; June 2; Gaz. vol. 203; p. 105.
- Brush for cleaning bottles or other containers. O. Eick. No. 1,106,034; Aug. 4; Gaz. vol. 205; p. 157.
- Brush for cotton-cleaners. E. A. Rozier. No. 1,084,487; Jan. 13; Gaz. vol. 198; p. 434.
- Brush for linotype-machine plungers, Cleaning-. L. Ewald. No. 1,106,795; Aug. 11; Gaz. vol. 205; p. 466.
- Brush, Fountain-. C. C. Acton. No. 1,085,839; Feb. 3; Gaz. vol. 199; p. 92.
- Brush, Fountain-. S. R. Allen and J. W. Baughman. No. 1,115,370; Oct. 27; Gaz. vol. 207; p. 1171.
- Brush, Fountain-. J. G. Corbett. No. 1,093,114; Apr. 14; Gaz. vol. 201; p. 375.
- Brush, Fountain-. A. Du Puy. No. 1,100,962; June 23; Gaz. vol. 203; p. 1026.
- Brush, Fountain-. D. M. Ellsworth. No. 1,116,807; Nov. 10; Gaz. vol. 208; p. 506.
- Brush, Fountain-. I. N. Hollingsworth. No. 1,097,630; May 26; Gaz. vol. 202; p. 965.
- Brush, Fountain-. T. C. Ingram. No. 1,089,220; Mar. 3; Gaz. vol. 200; p. 188.
- Brush, Fountain-. O. A. Mietzker. No. 1,099,564; June 9; Gaz. vol. 203; p. 453.
- Brush, Fountain-. A. A. Rackoff. No. 1,112,094; Sept. 29; Gaz. vol. 206; p. 1296.
- Brush, Fountain-. F. Schreidt. No. 1,118,688; Nov. 24; Gaz. vol. 208; p. 1244.
- Brush, Fountain-. S. Segal and J. Friedman. No. 1,099,209; June 9; Gaz. vol. 203; p. 330.
- Brush, Fountain-polishing-. M. C. Cooper. No. 1,096,603; May 12; Gaz. vol. 202; p. 522.
- Brush, Fountain-spray-. J. C. Hunter. No. 1,118,774; Nov. 24; Gaz. vol. 208; p. 1272.
- Brush, Hair-. G. R. Christel. No. 1,085,018; Jan. 20; Gaz. vol. 198; p. 645.
- Brush handle, Tooth-. W. T. Farrar. No. 1,121,082; Dec. 15; Gaz. vol. 209; p. 844.
- Brush-holder. D. B. Flower. No. 1,101,917; June 30; Gaz. vol. 203; p. 1406.
- Brush-holder. A. Krauss. No. 1,093,634; Apr. 21; Gaz. vol. 201; p. 591.
- Brush-holder. J. C. Lincoln. No. 1,090,159; Mar. 17; Gaz. vol. 200; p. 599.
- Brush-holder. P. Mohr. No. 1,119,104; Dec. 1; Gaz. vol. 209; p. 72.
- Brush-holder. L. T. Owens. No. 1,095,226; May 5; Gaz. vol. 202; p. 19.
- Brush-holder. A. N. Sammarone. No. 1,116,492; Nov. 10; Gaz. vol. 208; p. 391.
- Brush-holder. E. W. Stull. No. 1,101,218; June 23; Gaz. vol. 203; p. 1115.
- Brush holder and sterilizer, Tooth-. E. C. Dye. No. 1,122,881; Dec. 29; Gaz. vol. 209; p. 1544.
- Brush holder or receptacle. G. H. Miller. No. 1,102,284; July 7; Gaz. vol. 204; p. 22.
- Brush holder, Paint-. W. Reilly. No. 1,094,099; Apr. 21; Gaz. vol. 201; p. 746.
- Brush holder, Scrubbing-. E. Jabant. No. 1,114,617; Oct. 20; Gaz. vol. 207; p. 853.
- Brush holder, Tooth-. F. Ferenc. No. 1,086,659; Feb. 10; Gaz. vol. 199; p. 422.
- Brush holder, Tooth-. J. B. Foster. No. 1,115,061; Oct. 27; Gaz. vol. 207; p. 1065.
- Brush holder, Tooth-. P. H. Roberts. No. 1,084,965; Jan. 20; Gaz. vol. 198; p. 627.
- Brush, Liquid polishing-. G. L. Stanley. No. 1,085,506; Jan. 27; Gaz. vol. 198; p. 847.
- Brush, Making a tooth-. J. Schoepe. No. 1,118,156; Nov. 24; Gaz. vol. 208; p. 1057.
- Brush-making machine. D. L. Chandler. No. 1,084,536; Jan. 13; Gaz. vol. 198; p. 451.
- Brush-making machine. G. Kleemann. No. 1,083,499; Jan. 6; Gaz. vol. 198; p. 79.
- Brush or mop. F. H. French. No. 1,113,897; Oct. 13; Gaz. vol. 207; p. 561.
- Brush, Paint-. W. Taylor. No. 1,083,772; Jan. 6; Gaz. vol. 198; p. 170.
- Brush, Pneumatic paint-. J. A. Paasche. No. 1,104,217; July 21; Gaz. vol. 204; p. 780.
- Brush-receptacle. J. G. Carmichael. No. 1,110,533; Sept. 15; Gaz. vol. 206; p. 675.
- Brush, Reservoir-. R. Tömlich. No. 1,088,801; Mar. 3; Gaz. vol. 200; p. 43.
- Brush, Rotary fountain-. A. M. Roland. No. 1,108,475; Aug. 25; Gaz. vol. 205; p. 1150.
- Brush, Rotary hand-operated. S. Harbian. No. 1,120,812; Dec. 15; Gaz. vol. 209; p. 748.
- Brush, Rotary scratch-. A. L. Radlein and G. Selander. No. 1,107,354; Aug. 18; Gaz. vol. 205; p. 710.
- Brush selector, Multiple-. J. N. Reynolds. No. 1,098,529; June 2; Gaz. vol. 203; p. 60.
- Brush selector, Multiple-. J. N. Reynolds. No. 1,103,623; July 14; Gaz. vol. 204; p. 535.
- Brush, Self-feeding paint-. J. Allen. No. 1,085,234; Jan. 27; Gaz. vol. 198; p. 756.
- Brush, Shaving-. J. R. Banowetz. No. 1,087,090; Feb. 10; Gaz. vol. 199; p. 568.
- Brush, Shaving-. H. L. Boynton. No. 1,083,587; Jan. 6; Gaz. vol. 198; p. 108.
- Brush, Shaving-. C. N. Mitchell. No. 1,112,826; Oct. 6; Gaz. vol. 207; p. 145.
- Brush, Shaving-. H. Robinson. No. 1,089,266; Mar. 3; Gaz. vol. 200; p. 202.
- Brush, Shaving and lather. D. I. Hartmann. No. 1,092,710; Apr. 7; Gaz. vol. 201; p. 201.
- Brush, Shoe-. C. J. Boise. No. 1,085,531; Jan. 27; Gaz. vol. 198; p. 856.
- Brush, Shoe-polishing. J. C. Sanborn. No. 1,118,153; Nov. 24; Gaz. vol. 208; p. 1056.
- Brush, Soldering-. O. L. Larson. No. 1,117,863; Nov. 17; Gaz. vol. 208; p. 916.
- Brush, Soluble. F. W. Sadler. No. 1,113,054; Oct. 6; Gaz. vol. 207; p. 222.
- Brush, Spray-. T. C. Adams. No. 1,120,659; Dec. 15; Gaz. vol. 209; p. 695.
- Brush, Toilet-. A. L. T. Loughlin. No. 1,104,365; July 21; Gaz. vol. 204; p. 831.
- Brush, Tooth-. F. H. Borst. No. 1,085,240; Jan. 27; Gaz. vol. 198; p. 758.
- Brush, Tooth-. L. F. Bowman. No. 1,084,923; Jan. 20; Gaz. vol. 198; p. 613.
- Brush, Tooth-. T. L. Briggs. No. 1,092,014; Mar. 31; Gaz. vol. 200; p. 1308.
- Brush, Tooth-. C. E. Carroll. No. 1,091,291; Mar. 24; Gaz. vol. 200; p. 1019.
- Brush, Tooth-. C. O. Engstrom. No. 1,097,122; May 19; Gaz. vol. 202; p. 746.
- Brush, Tooth-. H. Epstein and W. Ciler. No. 1,111,144; Sept. 22; Gaz. vol. 206; p. 933.
- Brush, Tooth-. C. H. Erickson. No. 1,091,314; Mar. 24; Gaz. vol. 200; p. 1026.
- Brush, Tooth-. M. E. Gates. No. 1,091,209; Mar. 24; Gaz. vol. 200; p. 993.
- Brush, Tooth-. J. E. Hamilton. No. 1,111,019; Sept. 22; Gaz. vol. 206; p. 889.
- Brush, Tooth-. E. F. Hoffman. No. 1,103,879; July 14; Gaz. vol. 204; p. 623.
- Brush, Tooth-. S. B. and G. S. Husch. No. 1,103,515; July 14; Gaz. vol. 204; p. 494.
- Brush, Tooth-. L. Pap. No. 1,114,646; Oct. 20; Gaz. vol. 207; p. 864.
- Brush, Tooth-. F. Reichmann. No. 1,090,126; Mar. 10; Gaz. vol. 200; p. 546.
- Brush, Tooth-. E. H. Rodell. No. 1,112,561; Oct. 6; Gaz. vol. 207; p. 53.
- Brush, Tooth-. E. Schreck. No. 1,110,406; Sept. 15; Gaz. vol. 206; p. 630.
- Brush, Tooth-. D. Weiss. No. 1,086,006; Feb. 3; Gaz. vol. 199; p. 153.
- Brush, Tooth-. D. Weiss. No. 1,104,459; July 21; Gaz. vol. 204; p. 863.
- Brush, Tooth-. P. F. White and W. Grant. No. 1,091,993; Mar. 31; Gaz. vol. 200; p. 1302.
- Brush-tuft-coating machine. S. E. Jordan. No. 1,089,477; Mar. 10; Gaz. vol. 200; p. 322.

Alphabetical list of inventions—Continued.

- Brushes and bristle-holders therefor, Manufacturing tooth-. D. L. Chandler. No. 1,086,509; Feb. 10; Gaz. vol. 199; p. 369.
- Brushes, Antiseptic case for tooth-. J. F. Fouyer. No. 1,107,280; Aug. 18; Gaz. vol. 205; p. 683.
- Brushes, Combined holder and feeding device for. F. Schreidt. No. 1,118,687; Nov. 24; Gaz. vol. 208; p. 1244.
- Brushes, Manufacture of. T. F. Barry. No. 1,097,287; May 19; Gaz. vol. 202; p. 804.
- Brushes of pneumatic mouthpieces, Cleaner for. W. Firth. No. 1,122,095; Dec. 22; Gaz. vol. 209; p. 1233.
- Bubble-blower. C. V. Boys. No. 1,086,991; Feb. 10; Gaz. vol. 199; p. 537.
- Bubble-blowing device, Soap-. G. M. Little. No. 1,115,556; Nov. 3; Gaz. vol. 208; p. 30.
- Bucket. A. F. Brant. No. 1,111,357; Sept. 22; Gaz. vol. 206; p. 1006.
- Bucket and funnel, Combined collapsible. J. M. Flitcraft. No. 1,122,581; Dec. 29; Gaz. vol. 209; p. 1437.
- Bucket, Automatic dump-. E. M. Day and L. A. Smith. No. 1,091,199; Mar. 24; Gaz. vol. 200; p. 989.
- Bucket-catch. W. Stansell. No. 1,121,415; Dec. 15; Gaz. vol. 209; p. 959.
- Bucket, Clam-shell. N. P. E. Andersen. No. 1,096,213; May 12; Gaz. vol. 202; p. 388.
- Bucket, Clam-shell. N. P. E. Andersen. No. 1,096,214; May 12; Gaz. vol. 202; p. 389.
- Bucket, Clam-shell. L. J. Hatt. No. 1,097,317; May 19; Gaz. vol. 202; p. 815.
- Bucket, Clam-shell. J. F. Miller. No. 1,111,719; Sept. 22; Gaz. vol. 206; p. 1131.
- Bucket-closure. I. Hirsohn. No. 1,098,727; June 2; Gaz. vol. 203; p. 127.
- Bucket, Collapsible. A. H. Heilborn. No. 1,095,631; May 5; Gaz. vol. 202; p. 156.
- Bucket, Conveyer-. A. T. Perkins. No. 1,106,404; Aug. 11; Gaz. vol. 205; p. 326.
- Bucket, Drag-line. O. B. Bjorge. No. 1,104,771; July 28; Gaz. vol. 204; p. 1021.
- Bucket, Dredge-. F. Z. Hunt. No. 1,090,478; Mar. 17; Gaz. vol. 200; p. 712.
- Bucket, Dredging-. S. Lake. No. 1,122,769; Dec. 29; Gaz. vol. 209; p. 1502.
- Bucket, Excavating-. J. J. Higgins. No. 1,106,146; Aug. 4; Gaz. vol. 205; p. 197.
- Bucket, Excavating-. C. B. King, C. B. Weston, H. E. Roush, and L. R. Russell. No. 1,097,029; May 19; Gaz. vol. 202; p. 712.
- Bucket, Excavating-. J. W. Porter. No. 1,084,662; Jan. 20; Gaz. vol. 198; p. 523.
- Bucket for hoist-towers. L. A. Clark. No. 1,089,046; Mar. 3; Gaz. vol. 200; p. 127.
- Bucket, Grab-. E. E. Brosius. No. 1,120,440; Dec. 8; Gaz. vol. 209; p. 570.
- Bucket, Grab-. F. E. and J. J. Callahan. No. 1,117,549; Nov. 17; Gaz. vol. 208; p. 805.
- Bucket hanger, Grab-. D. J. Evans. No. 1,094,545; Apr. 28; Gaz. vol. 201; p. 956.
- Bucket, Hoisting-. F. W. Bond. No. 1,099,278; June 9; Gaz. vol. 203; p. 354.
- Bucket, Hoisting-. E. E. Brosius. No. 1,087,105; Feb. 17; Gaz. vol. 199; p. 626.
- Bucket, Turpentine-dipping. H. A. Paxton. No. 1,113,822; Oct. 13; Gaz. vol. 207; p. 536.
- Bucket, Well-. J. J. Burleson. No. 1,098,475; June 2; Gaz. vol. 203; p. 41.
- Bucket, Well-. P. T. Huckabay. No. 1,111,584; Sept. 22; Gaz. vol. 206; p. 1084.
- Bucket, Well-. W. P. Jay. No. 1,113,787; Oct. 13; Gaz. vol. 207; p. 523.
- Bucket, Well-. H. L. Leilich. No. 1,114,776; Oct. 27; Gaz. vol. 207; p. 963.
- Buckle. A. A. Abizaid. No. 1,115,459; Oct. 27; Gaz. vol. 207; p. 1201.
- Buckle. R. S. Avelsgard. No. 1,084,057; Jan. 13; Gaz. vol. 198; p. 294.
- Buckle. G. W. Baker. No. 1,094,831; Apr. 28; Gaz. vol. 201; p. 1059.
- Buckle. H. Blum and G. E. Prentice. No. 1,098,086; May 26; Gaz. vol. 202; p. 1128.
- Buckle. C. E. Bradshaw. No. 1,115,891; Nov. 3; Gaz. vol. 208; p. 144.
- Buckle. A. E. Clark. No. 1,085,796; Feb. 3; Gaz. vol. 199; p. 78.
- Buckle. J. F. Dunn. No. 1,103,275; July 14; Gaz. vol. 204; p. 415.
- Buckle. S. Eichberg. No. 1,088,408; Feb. 24; Gaz. vol. 199; p. 1124.
- Buckle. C. G. Fryett. No. 1,083,678; Jan. 6; Gaz. vol. 198; p. 139.
- Buckle. J. W. Furrey. No. 1,091,924; Mar. 31; Gaz. vol. 200; p. 1280.
- Buckle. J. F. Hartnett. No. 1,104,798; July 28; Gaz. vol. 204; p. 1030.
- Buckle. J. Heberling. No. 1,087,012; Feb. 10; Gaz. vol. 199; p. 543.
- Buckle. E. A. Hörlin. No. 1,117,051; Nov. 10; Gaz. vol. 208; p. 590.
- Buckle. E. N. Humphrey. No. 1,103,588; July 14; Gaz. vol. 204; p. 522.
- Buckle. W. F. Koch. No. 1,115,549; Nov. 3; Gaz. vol. 208; p. 28.
- Buckle. E. J. Kraetzer. No. 1,096,787; May 12; Gaz. vol. 202; p. 583.
- Buckle. F. L. Langhammer and C. G. Johnson. No. 1,106,952; Aug. 11; Gaz. vol. 205; p. 522.
- Buckle. M. D. Meserole. No. 1,089,853; Mar. 10; Gaz. vol. 200; p. 452.
- Buckle. C. E. Mixer. No. 1,095,657; May 5; Gaz. vol. 202; p. 165.
- Buckle. T. F. Molloy. No. 1,089,854; Mar. 10; Gaz. vol. 200; p. 452.
- Buckle. A. Rosengarten. No. 1,100,783; June 23; Gaz. vol. 203; p. 961.
- Buckle. A. H. Rosenthal. No. 1,090,415; Mar. 17; Gaz. vol. 200; p. 689.
- Buckle. H. Rosenthal. No. 1,121,403; Dec. 15; Gaz. vol. 209; p. 955.
- Buckle. C. B. Sitz. No. 1,115,118; Oct. 27; Gaz. vol. 207; p. 1085.
- Buckle. D. H. Warner. No. 1,099,527; June 9; Gaz. vol. 203; p. 440.
- Buckle and band. G. E. Figg. No. 1,088,890; Mar. 3; Gaz. vol. 200; p. 75.
- Buckle and identification-tag, Combined bale-tie. H. P. Childress. No. 1,121,799; Dec. 22; Gaz. vol. 209; p. 1128.
- Buckle and strap-end attachment, Combined. E. Hartmann. No. 1,113,435; Oct. 13; Gaz. vol. 207; p. 401.
- Buckle attachment. Belt-. C. W. Hodgson. No. 1,084,209; Jan. 13; Gaz. vol. 198; p. 346.
- Buckle, Back-band. J. R. McKelvy. No. 1,117,416; Nov. 17; Gaz. vol. 208; p. 758.
- Buckle, Bale-tie. H. P. Childress. No. 1,121,800; Dec. 22; Gaz. vol. 209; p. 1128.
- Buckle, Bale-tie. H. P. Childress. No. 1,121,801; Dec. 22; Gaz. vol. 209; p. 1129.
- Buckle, Bale-tie. G. W. Furth. No. 1,100,128; June 16; Gaz. vol. 203; p. 684.
- Buckle, Baling-tie. G. W. Furth. No. 1,084,002; Jan. 13; Gaz. vol. 198; p. 275.
- Buckle, Belt-. G. M. Kaiser. No. 1,086,455; Feb. 10; Gaz. vol. 199; p. 351.
- Buckle, Belt-. G. M. Kaiser. No. 1,087,065; Feb. 10; Gaz. vol. 199; p. 559.
- Buckle, Belt-. M. D. Meserole. No. 1,097,182; May 19; Gaz. vol. 202; p. 766.
- Buckle, Belt-. W. Rumble, Jr. No. 1,099,886; June 9; Gaz. vol. 203; p. 563.
- Buckle, Cross-rein. E. L. Ingalsbe. No. 1,104,673; July 21; Gaz. vol. 204; p. 938.
- Buckle, Double-loop. T. W. Porter. No. 1,086,614; Feb. 10; Gaz. vol. 199; p. 408.
- Buckle fastener, Adjustable shoe-. C. M. Bonham. No. 1,092,010; Mar. 31; Gaz. vol. 200; p. 1307.
- Buckle for tie-straps. H. J. Shea. No. 1,100,330; June 16; Gaz. vol. 203; p. 754.
- Buckle for traces, &c. I. L. Edwards. No. 1,087,742; Feb. 17; Gaz. vol. 199; p. 850.
- Buckle, Loop-. T. W. Porter. No. 1,086,615; Feb. 10; Gaz. vol. 199; p. 408.
- Buckle, Releasing-. J. M. Russell. No. 1,088,373; Feb. 24; Gaz. vol. 199; p. 1113.
- Buckle-retaining device for trousers. I. C. Isaacs. No. 1,085,128; Jan. 27; Gaz. vol. 198; p. 719.
- Buckle, Shoe-. W. N. Button. No. 1,097,296; May 19; Gaz. vol. 202; p. 807.
- Buckle, Shoe-. F. Pitsch. No. 1,119,722; Dec. 1; Gaz. vol. 209; p. 282.
- Buckle, Suspender-. A. Van Brunt. (Reissue.) No. 1,173,738; May 26; Gaz. vol. 202; p. 1228.
- Buffer. C. A. Ullrich. No. 1,094,498; Apr. 28; Gaz. vol. 201; p. 940.
- Buffer and draw-gear. R. E. Noble and L. E. Mitchell. No. 1,094,375; Apr. 21; Gaz. vol. 201; p. 836.
- Buffer and fender, Combined. W. W. Talbot and C. A. Sawtelle. No. 1,111,771; Sept. 29; Gaz. vol. 206; p. 1185.
- Buffer, Portable. W. C. Stevens. No. 1,112,865; Oct. 6; Gaz. vol. 207; p. 159.
- Buffing device. M. Cangen. No. 1,120,023; Dec. 8; Gaz. vol. 209; p. 423.
- Buffing-handle. J. H. Miller. No. 1,101,654; June 30; Gaz. vol. 203; p. 1315.
- Buffing-machine. A. J. Baulig. No. 1,086,698; Feb. 10; Gaz. vol. 199; p. 436.
- Buffing-machine. W. Gordon. No. 1,102,906; July 7; Gaz. vol. 204; p. 237.
- Buffing-machine. W. Gordon. No. 1,103,957; July 21; Gaz. vol. 204; p. 692.
- Buffing-machine. A. E. Jerram and J. Gouldbourn. No. 1,119,828; Dec. 8; Gaz. vol. 209; p. 355.
- Buffing-machines, Automatic abradant-feed for. J. F. Gail and C. H. Frederick. No. 1,107,215; Aug. 11; Gaz. vol. 205; p. 612.
- Buffing or polishing wheel. G. P. Keller. No. 1,087,781; Feb. 17; Gaz. vol. 199; p. 862.
- Buffing or polishing wheel. W. A. Painter. No. 1,106,833; Aug. 11; Gaz. vol. 205; p. 480.
- Buffing-wheel. S. S. Spero. No. 1,118,822; Nov. 24; Gaz. vol. 208; p. 1288.

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 Bug and worm collector. R. C. Bartlett. No. 1,108,882; Sept. 1; Gaz. vol. 206; p. 6.
 Buggy running-gear. J. P. Brownlee. No. 1,121,972; Dec. 22; Gaz. vol. 209; p. 1190.
 Buggy storm-top. G. H. Harper. No. 1,099,798; June 9; Gaz. vol. 203; p. 533.
 Buggy-wheel. A. Lyles. No. 1,089,934; Mar. 10; Gaz. vol. 200; p. 482.
 Builder's appliance. E. T. Stadig. No. 1,113,167; Oct. 6; Gaz. vol. 207; p. 261.
 Building. A. Brown. No. 1,117,777; Nov. 17; Gaz. vol. 208; p. 888.
 Building. D. Craig. No. 1,083,876; Jan. 6; Gaz. vol. 198; p. 200.
 Building-block. D. C. Haeger. No. 1,093,127; Apr. 14; Gaz. vol. 201; p. 380.
 Building-block. W. S. Hudson. No. 1,115,542; Nov. 3; Gaz. vol. 208; p. 26.
 Building-block. E. T. Likes. No. 1,107,428; Aug. 18; Gaz. vol. 205; p. 738.
 Building-block. T. Louden. No. 1,108,506; Aug. 25; Gaz. vol. 205; p. 1162.
 Building-block. C. G. Popp. No. 1,094,928; Apr. 28; Gaz. vol. 201; p. 1091.
 Building-block. F. M. Sawyer. (Reissue.) No. 13,844; Dec. 8; Gaz. vol. 209; p. 651.
 Building-block. A. Skinner and F. Ewing. No. 1,118,819; Nov. 24; Gaz. vol. 208; p. 1288.
 Building-block. W. W. Smith. No. 1,089,507; Mar. 10; Gaz. vol. 200; p. 334.
 Building-block. G. A. Swanson. No. 1,097,148; May 19; Gaz. vol. 202; p. 755.
 Building-block and forming same. F. Aaronson. No. 1,086,975; Feb. 10; Gaz. vol. 199; p. 531.
 Building-block, F-shaped. M. Lutgen. No. 1,110,504; Sept. 15; Gaz. vol. 206; p. 666.
 Building-block for circular walls, Reinforced. J. J. Rayner. No. 1,109,248; Sept. 1; Gaz. vol. 206; p. 139.
 Building-block, Molded. W. B. Bolles. No. 1,086,016; Feb. 3; Gaz. vol. 199; p. 157.
 Building block or tile. E. S. Stanton. No. 1,088,040; Feb. 24; Gaz. vol. 199; p. 999.
 Building-block structure, Hollow. J. T. Ridgway. No. 1,117,908; Nov. 17; Gaz. vol. 208; p. 930.
 Building-blocks, Binder for hollow tile. H. H. Smith. No. 1,113,585; Oct. 13; Gaz. vol. 207; p. 452.
 Building-blocks, Detachable connection for. D. M. Ward. No. 1,115,260; Oct. 27; Gaz. vol. 207; p. 1135.
 Building construction. A. B. Coon and A. Van de Sandt. No. 1,085,544; Jan. 27; Gaz. vol. 198; p. 859.
 Building construction. L. K. Davis. No. 1,107,411; Aug. 18; Gaz. vol. 205; p. 731.
 Building construction. W. B. Featherstone. No. 1,109,214; Sept. 1; Gaz. vol. 206; p. 127.
 Building construction. J. Grasso. No. 1,087,011; Feb. 10; Gaz. vol. 199; p. 542.
 Building construction. I. B. Hill. No. 1,101,183; June 23; Gaz. vol. 203; p. 1101.
 Building construction. W. Mortensen. No. 1,115,088; Oct. 27; Gaz. vol. 207; p. 1075.
 Building construction. G. Rosenleaf. No. 1,084,967; Jan. 20; Gaz. vol. 198; p. 627.
 Building construction. J. M. Vernon. No. 1,096,773; May 12; Gaz. vol. 202; p. 578.
 Building construction. H. E. White. No. 1,100,804; June 23; Gaz. vol. 203; p. 969.
 Building-lumber. J. L. Woodward. No. 1,118,990; Dec. 1; Gaz. vol. 209; p. 30.
 Building material. H. E. White. No. 1,116,185; Nov. 3; Gaz. vol. 208; p. 245.
 Building material and making same. A. Winding and F. W. Gezelschap. No. 1,092,320; Apr. 7; Gaz. vol. 201; p. 69.
 Building-material elevator. G. Schlösser and A. Lorenz. No. 1,083,508; Jan. 6; Gaz. vol. 198; p. 82.
 Building material, Manufacture of. A. Malinovszky. No. 1,107,431; Aug. 18; Gaz. vol. 205; p. 739.
 Building material, Treating. J. H. Hamlin. No. 1,098,723; June 2; Gaz. vol. 203; p. 125.
 Building materials, Distributing. E. V. Johnson. No. 1,111,071; Sept. 22; Gaz. vol. 206; p. 907.
 Building member, Metallic. J. Smith. No. 1,121,679; Dec. 22; Gaz. vol. 209; p. 1087.
 Building, Metallic. W. W. Taylor. No. 1,083,773; Jan. 6; Gaz. vol. 198; p. 170.
 Building-molds. J. D. Bickford. No. 1,101,246; June 23; Gaz. vol. 203; p. 1123.
 Building or other purposes, Apparatus for constructing sheets of material for. W. M. Jampole. No. 1,107,074; Aug. 11; Gaz. vol. 205; p. 561.
 Building-partition. J. Mularkey. No. 1,110,707; Sept. 15; Gaz. vol. 206; p. 738.
 Building-partition. J. Mularkey. No. 1,110,708; Sept. 15; Gaz. vol. 206; p. 738.
 Building-slab. L. Baumgartl. No. 1,089,371; Mar. 3; Gaz. vol. 200; p. 237.
 Building structure. F. C. Watson. No. 1,113,268; Oct. 13; Gaz. vol. 207; p. 341.
 Building structure, Knockdown. R. M. Stalker. No. 1,111,040; Sept. 22; Gaz. vol. 206; p. 896.
 Building structures and materials therefor, Drying. A. Knapen. No. 1,095,734; May 5; Gaz. vol. 202; p. 192.
 Building unit, Reinforced tubular. F. J. Schisler. No. 1,090,171; Mar. 17; Gaz. vol. 200; p. 603.
 Buildings and other structures, Underpinning. J. B. Goldsborough. No. 1,085,600; Feb. 3; Gaz. vol. 199; p. 8.
 Buildings, Delivery-facilitating device for. C. Fohman. No. 1,111,016; Sept. 22; Gaz. vol. 206; p. 888.
 Buildings, Electric-wire conduit for. L. Adler. No. 1,121,444; Dec. 15; Gaz. vol. 209; p. 969.
 Buildings, Finish for. W. C. Harlow. No. 1,083,323; Jan. 6; Gaz. vol. 198; p. 22.
 Buildings, Floatable foundation for. R. Paine. No. 1,088,239; Feb. 24; Gaz. vol. 199; p. 1067.
 Buildings, Knockdown frame for portable. R. L. Kenyon. No. 1,083,404; Jan. 6; Gaz. vol. 198; p. 49.
 Buildings, Underpinning. J. B. Goldsborough. No. 1,093,261; Apr. 14; Gaz. vol. 201; p. 426.
 Buildings, Underpinning. J. B. Goldsborough. No. 1,093,262; Apr. 14; Gaz. vol. 201; p. 426.
 Buildings, Underpinning. J. B. Goldsborough. No. 1,101,738; June 30; Gaz. vol. 203; p. 1342.
 Bulb, Metallic. F. A. B. Holmes. No. 1,097,632; May 26; Gaz. vol. 202; p. 966.
 Bulb-shield and operating means therefor. A. Loest. No. 1,086,776; Feb. 10; Gaz. vol. 199; p. 464.
 Bulkhead-door apparatus, Hydraulic. W. G. Gibbons and F. J. Blake. No. 1,090,784; Mar. 17; Gaz. vol. 200; p. 813.
 Bulkhead-doors and the like, Release mechanism for. W. G. Gibbons and F. J. Blake. No. 1,088,272; Feb. 24; Gaz. vol. 199; p. 1079.
 Bulkhead or retaining-wall, Reinforced. M. M. Upson and H. P. Hamlin. No. 1,111,979; Sept. 29; Gaz. vol. 206; p. 1257.
 Bull-staff. W. T. Sherman. No. 1,098,181; May 26; Gaz. vol. 202; p. 1159.
 Bull-wheel. F. T. Kerns. No. 1,102,154; June 30; Gaz. vol. 203; p. 1490.
 Bullet. C. A. Grote. No. 1,114,878; Oct. 27; Gaz. vol. 207; p. 1000.
 Bullet. A. J. Watkins. No. 1,114,205; Oct. 20; Gaz. vol. 207; p. 710.
 Bullet for cinema-targets. T. M. Down. No. 1,107,593; Aug. 18; Gaz. vol. 205; p. 795.
 Bullet for pleasure target-shooting. E. Keen. No. 1,094,402; Apr. 21; Gaz. vol. 201; p. 846.
 Bullet, Hollow-point. F. O. Hoagland. No. 1,095,501; May 5; Gaz. vol. 202; p. 113.
 Bullet, Hollow-point. F. O. Hoagland. No. 1,101,743; June 30; Gaz. vol. 203; p. 1344.
 Bullet, Illuminating. F. O. Hoagland. No. 1,099,549; June 9; Gaz. vol. 203; p. 448.
 Bullet, Impact-illuminating. W. H. Buell. No. 1,088,007; Feb. 24; Gaz. vol. 199; p. 988.
 Bullet, Impact-illuminating. T. C. Johnson. No. 1,088,025; Feb. 24; Gaz. vol. 199; p. 995.
 Bullet, Impact-illuminating. T. C. Johnson. No. 1,088,026; Feb. 24; Gaz. vol. 199; p. 995.
 Bullet, Impact-illuminating. T. C. Johnson. No. 1,088,027; Feb. 24; Gaz. vol. 199; p. 995.
 Bullet, Mushroom. F. O. Hoagland. No. 1,095,502; May 5; Gaz. vol. 202; p. 113.
 Bullet, Mushroom. F. O. Hoagland. No. 1,099,298; June 9; Gaz. vol. 203; p. 361.
 Bullet, Mushroom. F. O. Hoagland. No. 1,107,948; Aug. 18; Gaz. vol. 205; p. 918.
 Bullet, Mushroom. F. O. Hoagland. No. 1,114,356; Oct. 20; Gaz. vol. 207; p. 762.
 Bullet, Mushroom. T. C. Johnson. No. 1,083,615; Jan. 6; Gaz. vol. 198; p. 118.
 Bullet, Mushroom. T. C. Johnson. No. 1,084,342; Jan. 13; Gaz. vol. 198; p. 390.
 Bullet, Mushroom. T. C. Johnson. No. 1,084,343; Jan. 13; Gaz. vol. 198; p. 390.
 Bullet, Mushroom. H. W. Starkweather. No. 1,107,722; Aug. 18; Gaz. vol. 205; p. 841.
 Bullet or projectile, Rifle. C. Newton. No. 1,096,558; May 12; Gaz. vol. 202; p. 507.
 Bullet, Target. A. B. Gully. No. 1,122,738; Dec. 29; Gaz. vol. 209; p. 1492.
 Bulletin-board. A. M. Henry. No. 1,108,989; Sept. 1; Gaz. vol. 206; p. 46.
 Bumpers, Fastening for. A. M. Sonnichsen. No. 1,088,471; Feb. 24; Gaz. vol. 199; p. 1144.
 Bumping-post. L. M. Lawrence. No. 1,091,150; Mar. 24; Gaz. vol. 200; p. 973.
 Bumping-post. J. F. O'Connor. No. 1,122,991; Dec. 29; Gaz. vol. 209; p. 1582.
 Bunch-preventer. J. Midgley. No. 1,121,524; Dec. 15; Gaz. vol. 209; p. 996.
 Buncher and bander. W. Watts. No. 1,104,155; July 21; Gaz. vol. 204; p. 758.
 Bundle carrier or conveyor. G. Marshall. No. 1,089,715; Mar. 10; Gaz. vol. 200; p. 405.
 Bundle-carriers, Trip mechanism for. J. Baxter. No. 1,095,070; Apr. 28; Gaz. vol. 201; p. 1141.

Alphabetical list of inventions—Continued.

- Bundle gatherer and loader. J. H. Huffman. No. 1,085,913; Feb. 3; Gaz. vol. 199; p. 118.
- Bundle-tie. G. Bernath. No. 1,100,945; June 23; Gaz. vol. 203; p. 1020.
- Bundle-tie. A. H. Saxton and J. J. Bachmayer. No. 1,105,703; Aug. 4; Gaz. vol. 205; p. 41.
- Bundle-tying device. O. H. Orendorff. No. 1,085,699; Feb. 3; Gaz. vol. 199; p. 42.
- Bundle-tying machine. J. S. Jones and J. H. Daugherty. No. 1,119,285; Dec. 1; Gaz. vol. 209; p. 132.
- Bundling device. G. S. Rheem. No. 1,097,364; May 19; Gaz. vol. 202; p. 831.
- Bundling-machine. A. B. Wright. No. 1,102,844; July 7; Gaz. vol. 204; p. 218.
- Bung and tap, Sanitary. D. Loney and M. F. Egan. No. 1,092,062; Mar. 31; Gaz. vol. 200; p. 1324.
- Bung-boring and bush-setting machine. E. F. Beugler. No. 1,092,515; Apr. 7; Gaz. vol. 201; p. 136.
- Bung-bushing. A. G. Kaufman. No. 1,085,688; Feb. 3; Gaz. vol. 199; p. 38.
- Bung bushing and closure for barrels. C. F. Terney. No. 1,085,571; Jan. 27; Gaz. vol. 198; p. 868.
- Bung-closure. G. Stiefel. No. 1,107,723; Aug. 18; Gaz. vol. 205; p. 842.
- Bung-extractor. W. G. C. Krause and G. H. Thomas. No. 1,107,804; Aug. 18; Gaz. vol. 205; p. 870.
- Bung for containers. I. H. Willis. No. 1,096,280; May 12; Gaz. vol. 202; p. 414.
- Bung, Metal. E. J. Tackney. No. 1,085,180; Jan. 27; Gaz. vol. 198; p. 737.
- Bung-plug, Expandible. E. J. Tackney. No. 1,109,262; Sept. 1; Gaz. vol. 206; p. 144.
- Bunion shield and corrector. J. W. Arrowsmith. No. 1,103,465; July 14; Gaz. vol. 204; p. 477.
- Bunsen burner. O. Spahr and L. J. Strause. No. 1,112,862; Oct. 6; Gaz. vol. 207; p. 158.
- Bunsen burner. J. A. Steele. No. 1,097,825; May 26; Gaz. vol. 202; p. 1035.
- Bunsen burner. L. J. Strause and O. Spahr. No. 1,114,308; Oct. 20; Gaz. vol. 207; p. 746.
- Bunsen burner. L. J. Strause and O. Spahr. No. 1,118,696; Nov. 24; Gaz. vol. 208; p. 1247.
- Bunsen burner for heating or illuminating. G. H. Denny. No. 1,090,202; Mar. 17; Gaz. vol. 200; p. 614.
- Bunsen burners, gas cooking-ranges, and the like, Safety device for. I. de Haan. No. 1,093,180; Apr. 14; Gaz. vol. 201; p. 398.
- Buoy. J. M. Francis. No. 1,119,817; Dec. 8; Gaz. vol. 209; p. 351.
- Buoy. F. O. Miner. No. 1,091,860; Mar. 31; Gaz. vol. 200; p. 1259.
- Buoy. E. W. Skoldberg. No. 1,116,141; Nov. 3; Gaz. vol. 208; p. 232.
- Buoy for ships, Self-retrieving safety-. C. T. Brown. No. 1,113,304; Oct. 13; Gaz. vol. 207; p. 354.
- Buoy, Gas-. N. Goodyear. No. 1,088,146; Feb. 24; Gaz. vol. 199; p. 1036.
- Buoy, Gas-lighted. N. Goodyear. No. 1,088,147; Feb. 24; Gaz. vol. 199; p. 1037.
- Buoy, Life-. L. A. Searl. No. 1,115,028; Oct. 27; Gaz. vol. 207; p. 1053.
- Buoy, Life-saving. A. W. Brown. No. 1,093,381; Apr. 14; Gaz. vol. 201; p. 467.
- Buoy, Locating-. A. Thoman, Sr. No. 1,096,966; May 19; Gaz. vol. 202; p. 691.
- Buoy, Portable life-. H. W. Cooley. No. 1,117,639; Nov. 17; Gaz. vol. 208; p. 837.
- Buoy, Signal-. H. H. Hill and R. Abell. No. 1,112,138; Sept. 29; Gaz. vol. 206; p. 1310.
- Buoys, Mooring for. E. C. Wood. No. 1,115,363; Oct. 27; Gaz. vol. 207; p. 1169.
- Buoyant articles and making same. R. A. Marr. No. 1,121,644; Dec. 22; Gaz. vol. 209; p. 1075.
- Bur-block. F. W. Miller. No. 1,121,934; Dec. 22; Gaz. vol. 209; p. 1177.
- Burglar-alarm. W. H. Bates. No. 1,094,696; Apr. 28; Gaz. vol. 201; p. 1012.
- Burglar-alarm. G. A. Brewster. No. 1,101,056; June 23; Gaz. vol. 203; p. 1059.
- Burglar-alarm. C. Bujger. No. 1,113,306; Oct. 13; Gaz. vol. 207; p. 855.
- Burglar-alarm. W. E. Clark. No. 1,101,999; June 30; Gaz. vol. 203; p. 1436.
- Burglar-alarm. A. Coyne. No. 1,096,227; May 12; Gaz. vol. 202; p. 394.
- Burglar-alarm. A. P. Dick, Jr. No. 1,107,767; Aug. 18; Gaz. vol. 205; p. 858.
- Burglar-alarm. T. H. Farrell. No. 1,109,329; Sept. 1; Gaz. vol. 206; p. 168.
- Burglar-alarm. S. G. Gerlach. No. 1,122,905; Dec. 29; Gaz. vol. 209; p. 1552.
- Burglar-alarm. W. H. Gettz and E. C. Foster. No. 1,105,899; Aug. 4; Gaz. vol. 205; p. 108.
- Burglar-alarm. S. Harris. No. 1,107,064; Aug. 11; Gaz. vol. 205; p. 558.
- Burglar-alarm. J. Hofmann. No. 1,090,061; Mar. 10; Gaz. vol. 200; p. 524.
- Burglar-alarm. J. Jones, Jr. No. 1,115,830; Nov. 3; Gaz. vol. 208; p. 122.
- Burglar-alarm. C. F. Lee. No. 1,104,734; July 21; Gaz. vol. 204; p. 959.
- Burglar-alarm. T. H. Nelson. No. 1,098,362; May 26; Gaz. vol. 202; p. 1223.
- Burglar-alarm. J. P. Pearce. No. 1,112,088; Sept. 29; Gaz. vol. 206; p. 1294.
- Burglar-alarm. R. A. Philp. No. 1,091,385; Mar. 24; Gaz. vol. 200; p. 1049.
- Burglar-alarm. L. M. Pratt. No. 1,096,001; May 5; Gaz. vol. 202; p. 280.
- Burglar-alarm. A. J. Rozboril. No. 1,118,810; Nov. 24; Gaz. vol. 208; p. 1284.
- Burglar-alarm. A. Stahl. No. 1,111,190; Sept. 22; Gaz. vol. 206; p. 949.
- Burglar-alarm. A. L. Van Hauter. No. 1,096,972; May 19; Gaz. vol. 202; p. 692.
- Burglar-alarm device. L. H. Berg. No. 1,112,592; Oct. 6; Gaz. vol. 207; p. 65.
- Burglar-alarm for door-knobs. L. Miesse. No. 1,096,935; May 19; Gaz. vol. 202; p. 679.
- Burglar-alarm, Portable. E. Randenburg. No. 1,115,738; Nov. 3; Gaz. vol. 208; p. 92.
- Burglar-alarm, Portable. S. Sundel. No. 1,099,777; June 9; Gaz. vol. 203; p. 526.
- Burglar-alarm system, Electric. P. Van der Kooy. No. 1,115,879; Nov. 3; Gaz. vol. 208; p. 140.
- Burglar-alarm system, Electric. J. P. Williams. No. 1,114,565; Oct. 20; Gaz. vol. 207; p. 837.
- Burglar-alarm system, Electric. J. P. Williams. No. 1,115,359; Oct. 27; Gaz. vol. 207; p. 1167.
- Burglar and fire alarm, Combined. J. N. Koloen. No. 1,106,947; Aug. 11; Gaz. vol. 205; p. 520.
- Burglar-proof key. H. O. Johnson. No. 1,084,942; Jan. 20; Gaz. vol. 198; p. 620.
- Burglar-proof screen. A. R. Derge. No. 1,091,045; Mar. 24; Gaz. vol. 200; p. 936.
- Burial apparatus. C. H. Stamm. No. 1,101,217; June 23; Gaz. vol. 203; p. 1115.
- Burial-case clamp. V. Breuer and P. Leschnik. No. 1,095,154; Apr. 28; Gaz. vol. 201; p. 1170.
- Burial-receptacle. M. P. and L. E. Little. No. 1,085,745; Feb. 3; Gaz. vol. 199; p. 59.
- Burial structure. F. M. Rogers. No. 1,096,753; May 12; Gaz. vol. 202; p. 574.
- Burner. *See* Autogenous burner; Bunsen burner; Centrifugal burner; Fuel-oil burner; Fuel-receptacle burner; Gas-burner; Gas and air burning burner; Gas and oil burner; Gas or vapor burner; Glass-heating burner; Hydrocarbon-burner; Hydrocarbon-fuel burner; Hydrocarbon-oil burner; Incandescent burner; Kiln-burner; Lamp-burner; Liquid-fuel burner; Oil-burner; Oil-furnace burner; Oxyacetylene and similar burner; Oxyhydrocarbon-burner; Pilot-burner; Range-burner; Refuse-burner; Self-lighting burner; Stove automatic burner; Stubble-burner; Stump-burner; Vapor-burner; Waste-burner.
- Burner. H. S. Bennett. No. 1,103,253; July 14; Gaz. vol. 204; p. 407.
- Burner. R. C. Frampton. No. 1,086,150; Feb. 3; Gaz. vol. 199; p. 203.
- Burner. H. F. Hagemeyer. No. 1,105,031; July 28; Gaz. vol. 204; p. 1110.
- Burner. F. T. Kane. No. 1,119,167; Dec. 1; Gaz. vol. 209; p. 93.
- Burner. C. E. Leigh and F. Carroll. No. 1,090,402; Mar. 17; Gaz. vol. 200; p. 684.
- Burner. A. P. Link. No. 1,115,845; Nov. 3; Gaz. vol. 208; p. 129.
- Burner. G. E. Moen. No. 1,114,504; Oct. 20; Gaz. vol. 207; p. 818.
- Burner. W. E. Sharp. No. 1,101,099; June 23; Gaz. vol. 203; p. 1073.
- Burner. R. M. Stene and S. D. McFadden. No. 1,092,785; Apr. 7; Gaz. vol. 201; p. 227.
- Burner. C. V. Stuart. No. 1,112,234; Sept. 29; Gaz. vol. 206; p. 1346.
- Burner. J. Zander. No. 1,104,601; July 21; Gaz. vol. 204; p. 914.
- Burner for autogenous welding and cutting of metal. M. Kongsbak. No. 1,098,119; May 26; Gaz. vol. 202; p. 1139.
- Burner for gas-stoves, Automatic. G. Bruton. No. 1,112,355; Sept. 29; Gaz. vol. 206; p. 1387.
- Burner-lighting device, Oven-. J. F. Skoog. No. 1,113,498; Oct. 13; Gaz. vol. 207; p. 423.
- Burner-plates, Adjustable support for. J. H. Becker. No. 1,114,848; Oct. 27; Gaz. vol. 207; p. 989.
- Burners, Automatic fuel-feeding mechanism for. O. O'Brien. No. 1,093,878; Apr. 21; Gaz. vol. 201; p. 673.
- Burners, Automatic liquid-fuel control for. W. J. Perkins. No. 1,115,014; Oct. 27; Gaz. vol. 207; p. 1048.
- Burners, Combined valve and spray-nozzle for hydrocarbon-. G. W. Coen. No. 1,094,124; Apr. 21; Gaz. vol. 201; p. 754.
- Burners, Combustion-tube for oil-. E. Boekenkamp. No. 1,120,124; Dec. 8; Gaz. vol. 209; p. 454.
- Burners, Extinguisher for. E. M. Klintberg. No. 1,104,905; July 28; Gaz. vol. 204; p. 1068.
- Burners, Incandescing element for. D. J. Monosmith. No. 1,087,811; Feb. 17; Gaz. vol. 199; p. 873.
- Burners, Mixer-cap for gas-range. H. P. G. Norstrand. No. 1,084,472; Jan. 13; Gaz. vol. 198; p. 430.

Alphabetical list of inventions—Continued.

- Burners, Time controlling apparatus for. H. E. Dole and O. S. De Zara. No. 1,086,589; Feb. 10; Gaz. vol. 199; p. 399.
- Burning explosive gaseous mixtures, Apparatus for. F. Creelman. No. 1,113,171; Oct. 6; Gaz. vol. 207; p. 263.
- Burning explosive gaseous mixtures, Apparatus for. C. E. Lucke and F. Creelman. No. 1,113,174; Oct. 6; Gaz. vol. 207; p. 264.
- Burning finely-divided fuel. D. J. Irish. No. 1,086,712; Feb. 10; Gaz. vol. 199; p. 441.
- Burning finely-divided fuel, Apparatus for. D. J. Irish. No. 1,086,714; Feb. 10; Gaz. vol. 199; p. 442.
- Burning finely-divided fuel, Apparatus for. D. J. Irish. No. 1,086,715; Feb. 10; Gaz. vol. 199; p. 442.
- Burning finely-divided fuel, Apparatus for. D. J. Irish. No. 1,102,510; July 7; Gaz. vol. 204; p. 100.
- Burning fuel, Apparatus for. J. S. Rogers. No. 1,113,579; Oct. 13; Gaz. vol. 207; p. 451.
- Burning liquid fuel, System of. A. Laing. No. 1,109,342; Sept. 1; Gaz. vol. 206; p. 173.
- Burning-press. H. L. Koehler. No. 1,092,776; Apr. 7; Gaz. vol. 201; p. 223.
- Burning pulverized fuel, Apparatus for. H. F. Ball. No. 1,117,760; Nov. 17; Gaz. vol. 208; p. 881.
- Burnishing-machine. L. A. Casgrain. No. 1,089,821; Mar. 10; Gaz. vol. 200; p. 441.
- Burnishing-machine. F. M. Furber. No. 1,107,282; Aug. 18; Gaz. vol. 205; p. 683.
- Burnishing-machine. F. Holbrook. No. 1,113,216; Oct. 13; Gaz. vol. 207; p. 321.
- Burnishing-machine. C. F. Stackpole. No. 1,116,856; Nov. 10; Gaz. vol. 208; p. 524.
- Bushing. E. J. Bell and O. Treiber. No. 1,091,113; Mar. 24; Gaz. vol. 200; p. 959.
- Bushing. C. E. Clemens. No. 1,113,754; Oct. 13; Gaz. vol. 207; p. 512.
- Bushing. A. J. Gray. No. 1,088,221; Feb. 24; Gaz. vol. 199; p. 1061.
- Bushing. W. C. Van Dresser. No. 1,103,107; July 14; Gaz. vol. 204; p. 355.
- Bushing for tension-rods, Spring-seat. W. L. Bliss. No. 1,112,669; Oct. 6; Gaz. vol. 207; p. 92.
- Bushing for trolley-wheels, pulleys, &c. J. C. Sharp. No. 1,113,143; Oct. 6; Gaz. vol. 207; p. 252.
- Bushing, Signal-cord. M. A. Pähler. No. 1,106,964; Aug. 11; Gaz. vol. 205; p. 526.
- Business-register. W. R. Baldwin. No. 1,118,391; Nov. 24; Gaz. vol. 208; p. 1140.
- Bust-supporter. G. B. Smith. No. 1,095,681; May 5; Gaz. vol. 202; p. 174.
- Bust supporter and reducer. A. Stensland. No. 1,115,034; Oct. 27; Gaz. vol. 207; p. 1055.
- Butt-chain block. J. W. Card. No. 1,085,017; Jan. 20; Gaz. vol. 198; p. 645.
- Butter-cutter. C. P. Nutter. No. 1,115,331; Oct. 27; Gaz. vol. 207; p. 1158.
- Butter-cutter clamp. F. Chadima. No. 1,097,168; May 19; Gaz. vol. 202; p. 762.
- Butter-cutting apparatus. A. T. Serrell. No. 1,117,453; Nov. 17; Gaz. vol. 208; p. 772.
- Butter-cutting machine. L. Givulinovich. No. 1,111,373; Sept. 22; Gaz. vol. 206; p. 1011.
- Butter-cutting machine. B. L. Longfellow and E. C. Rogers. No. 1,122,960; Dec. 29; Gaz. vol. 209; p. 1570.
- Butter making and molding machine, Sanitary. C. Volkman. No. 1,117,283; Nov. 17; Gaz. vol. 208; p. 712.
- Butter-making machine. P. Hanson. No. 1,084,086; Jan. 13; Gaz. vol. 198; p. 305.
- Butter-making machine. P. Hanson. No. 1,089,836; Mar. 10; Gaz. vol. 200; p. 446.
- Butter-making machine. P. Hanson. No. 1,095,728; May 5; Gaz. vol. 202; p. 189.
- Butter-making machinery. P. Hanson. No. 1,095,181; Apr. 28; Gaz. vol. 201; p. 1180.
- Butter, Producing renovated and artificial. E. B. Heller. No. 1,109,750; Sept. 8; Gaz. vol. 206; p. 357.
- Butter-separator. G. E. Wheeler. No. 1,093,751; Apr. 21; Gaz. vol. 201; p. 630.
- Butterin-mixer. A. D. Graham. No. 1,098,622; June 2; Gaz. vol. 203; p. 92.
- Button. O. E. Backus. No. 1,088,393; Feb. 24; Gaz. vol. 199; p. 1119.
- Button. W. Bourke. No. 1,086,017; Feb. 3; Gaz. vol. 199; p. 157.
- Button. J. F. Farnum. No. 1,108,431; Aug. 25; Gaz. vol. 205; p. 1134.
- Button. J. Fox. No. 1,111,452; Sept. 22; Gaz. vol. 206; p. 1037.
- Button. A. Fuller. No. 1,098,106; May 26; Gaz. vol. 202; p. 1135.
- Button. W. F. Gaunt. No. 1,113,427; Oct. 13; Gaz. vol. 207; p. 399.
- Button. J. J. Gottschalk. No. 1,100,069; June 16; Gaz. vol. 203; p. 663.
- Button. J. L. and F. Hildner. No. 1,098,111; May 26; Gaz. vol. 202; p. 1137.
- Button. J. Kanter. No. 1,118,555; Nov. 24; Gaz. vol. 208; p. 1199.
- Button. M. Melzer. No. 1,088,835; Mar. 3; Gaz. vol. 200; p. 56.
- Button. S. C. Radford. No. 1,096,643; May 12; Gaz. vol. 202; p. 536.
- Button. E. Shantz. No. 1,110,462; Sept. 15; Gaz. vol. 206; p. 652.
- Button. J. W. Silver. No. 1,109,797; Sept. 8; Gaz. vol. 206; p. 371.
- Button. J. Stuart. No. 1,105,110; July 28; Gaz. vol. 204; p. 1138.
- Button. J. Stuart. No. 1,105,111; July 28; Gaz. vol. 204; p. 1138.
- Button. C. L. Thatcher. No. 1,104,084; July 21; Gaz. vol. 204; p. 735.
- Button. H. Weber. No. 1,085,956; Feb. 3; Gaz. vol. 199; p. 135.
- Button and buttonhole marker. G. H. Hurd. No. 1,094,334; Apr. 21; Gaz. vol. 201; p. 822.
- Button and stud. F. P. Barney. No. 1,120,786; Dec. 15; Gaz. vol. 209; p. 740.
- Button and tie-holder, Combined back. F. T. Wagner. No. 1,114,319; Oct. 20; Gaz. vol. 207; p. 750.
- Button-attaching machine. P. Bammer. No. 1,093,582; Apr. 14; Gaz. vol. 201; p. 528.
- Button-attaching machine. M. M. Corey and W. Boulthouse. No. 1,121,613; Dec. 22; Gaz. vol. 209; p. 1062.
- Button-attaching machine. A. Johnston. No. 1,110,794; Sept. 15; Gaz. vol. 206; p. 767.
- Button-attaching machine. J. Kiewicz. No. 1,089,649; Mar. 10; Gaz. vol. 200; p. 382.
- Button-attaching machine. J. Kiewicz. No. 1,099,254; June 9; Gaz. vol. 203; p. 346.
- Button-attaching machine. F. R. White. No. 1,083,420; Jan. 6; Gaz. vol. 198; p. 55.
- Button-attaching machine, Bar-. F. R. White. No. 1,085,185; Jan. 27; Gaz. vol. 198; p. 739.
- Button-attaching machines, Fastener-feeding mechanism for. F. R. White. No. 1,109,098; Sept. 1; Gaz. vol. 206; p. 85.
- Button-clasp. O. E. Spott. No. 1,091,979; Mar. 31; Gaz. vol. 200; p. 1298.
- Button cleaner and polisher. J. E. Cady, Jr. No. 1,085,321; Jan. 27; Gaz. vol. 198; p. 787.
- Button-cleaning shield. O. E. Watson and R. Lint. No. 1,122,449; Dec. 29; Gaz. vol. 209; p. 1391.
- Button, Collar-. E. L. Anderson. No. 1,107,190; Aug. 11; Gaz. vol. 205; p. 604.
- Button, Collar-. E. I. Rogers. No. 1,119,989; Dec. 8; Gaz. vol. 209; p. 410.
- Button, Collar-. M. W. Wismer. No. 1,093,752; Apr. 21; Gaz. vol. 201; p. 631.
- Button, Cuff-. J. L. and F. Hildner. No. 1,099,047; June 2; Gaz. vol. 203; p. 232.
- Button, Cuff-. C. M. Levy. No. 1,087,452; Feb. 17; Gaz. vol. 199; p. 749.
- Button, Cuff-. W. I. Scott. No. 1,118,816; Nov. 24; Gaz. vol. 208; p. 1286.
- Button-cutting machine. C. R. Stadden. No. 1,109,638; Sept. 1; Gaz. vol. 206; p. 275.
- Button drilling and shaping tool. A. V. Drda. No. 1,090,604; Mar. 17; Gaz. vol. 200; p. 756.
- Button-fastener. O. J. Johnson. No. 1,092,773; Apr. 7; Gaz. vol. 201; p. 223.
- Button-fastening machine. G. W. Perkins. No. 1,089,344; Mar. 3; Gaz. vol. 200; p. 227.
- Button-flies, Reinforcing-strip for. F. Blatchford. No. 1,103,559; July 14; Gaz. vol. 204; p. 510.
- Button for doors, windows, &c. F. T. Lund. No. 1,085,277; Jan. 27; Gaz. vol. 198; p. 771.
- Button for uniforms. C. F. Gaunt. No. 1,105,266; July 28; Gaz. vol. 204; p. 1193.
- Button guard for shirts, Collar-. I. R. North. No. 1,105,295; July 28; Gaz. vol. 204; p. 1203.
- Button-hook attachment for pencil-ferrules. R. B. Brunswick. No. 1,104,244; July 21; Gaz. vol. 204; p. 789.
- Button-making machine. B. Clay. No. 1,105,757; Aug. 4; Gaz. vol. 205; p. 60.
- Button-making machine. A. L. Currier. No. 1,120,908; Dec. 15; Gaz. vol. 209; p. 784.
- Button-making machine. P. F. Dusha, A. Feyk, and J. Komancsek. No. 1,121,337; Dec. 15; Gaz. vol. 209; p. 932.
- Button-making machine. P. Pavlik. No. 1,101,144; June 23; Gaz. vol. 203; p. 1088.
- Button-making machine. E. Shantz. No. 1,107,629; Aug. 18; Gaz. vol. 205; p. 808.
- Button-making press. A. C. Lauesen. No. 1,092,492; Apr. 7; Gaz. vol. 201; p. 128.
- Button-mold holder. J. A. Turner. No. 1,116,172; Nov. 3; Gaz. vol. 208; p. 241.
- Button or link, Cuff. L. H. Adamson. No. 1,101,049; June 23; Gaz. vol. 203; p. 1056.
- Button, Press-. J. Borel and F. Grange. No. 1,102,975; July 7; Gaz. vol. 204; p. 260.
- Button-ring. G. H. Perrine. No. 1,120,079; Dec. 8; Gaz. vol. 209; p. 441.
- Button, Separable. F. Stashko. No. 1,115,125; Oct. 27; Gaz. vol. 207; p. 1088.
- Button-setting machine. E. F. Stenman. No. 1,092,604; Apr. 7; Gaz. vol. 201; p. 166.
- Button-shanks, Forming. W. H. Pruefer. No. 1,084,550; Feb. 17; Gaz. vol. 199; p. 782.

Alphabetical list of inventions—Continued.

- Button, Shoe-. A. Leach. No. 1,101,295; June 23; Gaz. vol. 203; p. 1140.
- Button, Snap-. C. F. Klett. No. 1,118,022; Nov. 24; Gaz. vol. 208; p. 1011.
- Button, Tab-end. H. J. Stuart. No. 1,101,970; June 30; Gaz. vol. 203; p. 1425.
- Button, Tab-end. H. J. Stuart. No. 1,101,971; June 30; Gaz. vol. 203; p. 1425.
- Button tool, Shoe-. W. A. Bernard. No. 1,090,191; Mar. 17; Gaz. vol. 200; p. 610.
- Buttons, Machine for forming shanks on. M. and S. Stockov. No. 1,105,711; Aug. 4; Gaz. vol. 205; p. 44.
- Buttons, Making. I. De Francisci. No. 1,118,110; Nov. 24; Gaz. vol. 208; p. 1042.
- Buttons, Spring device for spring-pressed. H. Waldes. No. 1,084,377; Jan. 13; Gaz. vol. 198; p. 400.
- Buttons, studs, and the like, Forming an integral shank and bean for. D. A. White. No. 1,096,336; May 12; Gaz. vol. 202; p. 434.
- Buttner. W. L. and J. K. B. Lister. No. 1,101,557; June 30; Gaz. vol. 203; p. 1282.
- Buttner, Collar-. W. Goldstein. No. 1,084,424; Jan. 13; Gaz. vol. 198; p. 415.
- Buttonhole-clamp. A. Boyd. No. 1,087,569; Feb. 17; Gaz. vol. 199; p. 789.
- Buttonhole-cutter. F. A. Erikson. No. 1,117,356; Nov. 17; Gaz. vol. 208; p. 738.
- Buttonhole-facing. D. Polcki. No. 1,095,567; May 5; Gaz. vol. 202; p. 135.
- Buttonhole for articles of wearing-apparel. C. W. T. Davies. No. 1,102,881; July 7; Gaz. vol. 204; p. 229.
- Buttonhole for wearing-apparel. C. W. T. Davies. No. 1,106,700; Aug. 11; Gaz. vol. 205; p. 433.
- Buttonhole-marking machine. W. T. Benjamin. No. 1,101,989; June 30; Gaz. vol. 203; p. 1432.
- Buttonhole, Stitched. G. S. Hill. No. 1,107,669; Aug. 18; Gaz. vol. 205; p. 823.
- Buttonhole-tape. G. B. Smith. No. 1,100,923; June 23; Gaz. vol. 203; p. 1012.
- Buttoning device. M. J. Schreiner. No. 1,098,532; June 2; Gaz. vol. 203; p. 62.
- Butyleneglycol, Producing 1,3-. K. Delbrück and K. Meisenburg. No. 1,094,539; Apr. 28; Gaz. vol. 201; p. 954.
- By-products of the animal kingdom of more or less fibrous structure, Treating solid. A. H. Henderson. No. 1,087,904; Feb. 17; Gaz. vol. 199; p. 903.
- C-clamp. J. G. Krueck. No. 1,093,438; Apr. 14; Gaz. vol. 201; p. 484.
- Cabbage-trimmer. J. M. Gregory. No. 1,091,213; Mar. 24; Gaz. vol. 200; p. 995.
- Cabinet. C. A. Abbath. No. 1,094,397; Apr. 21; Gaz. vol. 201; p. 844.
- Cabinet. C. A. Abbath. No. 1,112,585; Oct. 6; Gaz. vol. 207; p. 63.
- Cabinet. G. B. Doud. No. 1,098,787; June 2; Gaz. vol. 203; p. 146.
- Cabinet. J. J. Dupree. No. 1,085,028; Jan. 20; Gaz. vol. 198; p. 648.
- Cabinet. C. Hill and J. Henschen. No. 1,102,920; July 7; Gaz. vol. 204; p. 242.
- Cabinet. G. D. Jacoway. No. 1,094,996; Apr. 28; Gaz. vol. 201; p. 1116.
- Cabinet. V. F. Larson. No. 1,098,120; May 26; Gaz. vol. 202; p. 1139.
- Cabinet. J. A. Mark. No. 1,090,734; Mar. 17; Gaz. vol. 200; p. 796.
- Cabinet. W. S. Smith. No. 1,090,890; Mar. 24; Gaz. vol. 200; p. 881.
- Cabinet. C. T. Sorensen. No. 1,083,415; Jan. 6; Gaz. vol. 198; p. 53.
- Cabinet. W. F. Webb. No. 1,089,299; Mar. 3; Gaz. vol. 200; p. 213.
- Cabinet, Annunciator-. M. Levison. No. 1,108,999; Sept. 1; Gaz. vol. 206; p. 51.
- Cabinet, Braid-. J. M. Burnham and H. J. Schneider. No. 1,106,543; Aug. 11; Gaz. vol. 205; p. 379.
- Cabinet, case, or the like, Convertible. J. H. Faulkner. No. 1,090,524; Mar. 17; Gaz. vol. 200; p. 728.
- Cabinet-catch. H. A. Palmer. No. 1,085,291; Jan. 27; Gaz. vol. 198; p. 776.
- Cabinet-closet. C. F. Merriman. No. 1,098,285; May 26; Gaz. vol. 202; p. 1196.
- Cabinet, Cooking-. G. W. Wiesehan. No. 1,118,607; Nov. 24; Gaz. vol. 208; p. 1217.
- Cabinet, Delivery-. T. A. Matthews. No. 1,091,856; Mar. 31; Gaz. vol. 200; p. 1257.
- Cabinet, Directory-. W. C. Cutler and E. J. Boyler. No. 1,120,910; Dec. 15; Gaz. vol. 209; p. 785.
- Cabinet, Dispensing-. W. H. Osmer. No. 1,113,476; Oct. 13; Gaz. vol. 207; p. 415.
- Cabinet, Douche-. C. A. Nathoo. No. 1,085,695; Feb. 3; Gaz. vol. 199; p. 41.
- Cabinet, Dough-proving. F. H. Van Houten. No. 1,115,621; Nov. 3; Gaz. vol. 208; p. 52.
- Cabinet-drawer. D. S. Cole. No. 1,120,028; Dec. 8; Gaz. vol. 209; p. 424.
- Cabinet for laces and the like. F. E. Richardson. No. 1,121,132; Dec. 15; Gaz. vol. 209; p. 863.
- Cabinet for phonograph-records. G. B. Shaffer. No. 1,100,401; June 16; Gaz. vol. 203; p. 780.
- Cabinet for sound-reproducing machines. H. A. Borresen. No. 1,109,386; Sept. 1; Gaz. vol. 206; p. 189.
- Cabinet for toilet-paper. E. A. Hamilton. No. 1,106,559; Aug. 11; Gaz. vol. 205; p. 384.
- Cabinet for type-writing, adding, printing, and other analogous machines. F. E. McLean. No. 1,093,344; Apr. 14; Gaz. vol. 201; p. 454.
- Cabinet, Fruit-display. A. R. Overfield. No. 1,111,088; Sept. 22; Gaz. vol. 206; p. 913.
- Cabinet, Game-registering. H. E. Schmidt and M. W. Arens. No. 1,085,494; Jan. 27; Gaz. vol. 198; p. 843.
- Cabinet, Hat-. A. Kunitz. No. 1,083,621; Jan. 6; Gaz. vol. 198; p. 120.
- Cabinet, Heating-. E. R. Fender and C. L. Yount. No. 1,116,401; Nov. 10; Gaz. vol. 208; p. 359.
- Cabinet, Ice-cream. J. J. Snigo. No. 1,112,390; Sept. 29; Gaz. vol. 206; p. 1400.
- Cabinet, Ironing-board. C. B. Cox. No. 1,110,903; Sept. 15; Gaz. vol. 206; p. 807.
- Cabinet, Kitchen-. H. W. Bertram. No. 1,113,928; Oct. 13; Gaz. vol. 207; p. 571.
- Cabinet, Kitchen-. C. A. Ellis. No. 1,121,816; Dec. 22; Gaz. vol. 209; p. 1135.
- Cabinet, Kitchen-. O. F. Johnson. No. 1,104,301; July 21; Gaz. vol. 204; p. 808.
- Cabinet, Kitchen-. V. O. Rosser. No. 1,088,455; Feb. 24; Gaz. vol. 199; p. 1139.
- Cabinet, Knockdown. N. A. Hansen. No. 1,113,432; Oct. 13; Gaz. vol. 207; p. 400.
- Cabinet, Medicine-. L. F. Eisele. No. 1,095,318; May 5; Gaz. vol. 202; p. 50.
- Cabinet, Merchandise-. W. C. Heller. No. 1,116,817; Nov. 10; Gaz. vol. 208; p. 510.
- Cabinet, Panel-board. C. D. Platt. No. 1,099,263; June 9; Gaz. vol. 203; p. 350.
- Cabinet, Paper-towel. J. Antone. No. 1,084,598; Jan. 20; Gaz. vol. 198; p. 501.
- Cabinet, Pedestal picture-. N. Kordell. No. 1,095,644; May 5; Gaz. vol. 202; p. 161.
- Cabinet, Phonograph and graphophone disk holding. S. Holstein. No. 1,122,277; Dec. 29; Gaz. vol. 209; p. 1334.
- Cabinet, Portable developing-. C. G. Green. No. 1,117,035; Nov. 10; Gaz. vol. 208; p. 585.
- Cabinet, Printer's. F. M. Basheller. No. 1,121,453; Dec. 15; Gaz. vol. 209; p. 972.
- Cabinet, Record-. P. Infield. No. 1,119,702; Dec. 1; Gaz. vol. 209; p. 276.
- Cabinet, Seed-. J. Lines. No. 1,099,067; June 2; Gaz. vol. 203; p. 238.
- Cabinet, Serving-. E. A. Hamilton. No. 1,101,924; June 30; Gaz. vol. 203; p. 1408.
- Cabinet, Sheet-music. A. L. Olsson. No. 1,100,841; June 23; Gaz. vol. 203; p. 982.
- Cabinet, Spool-. H. I. Amberg and M. Dunskey. No. 1,117,148; Nov. 17; Gaz. vol. 208; p. 663.
- Cabinet, Stationery-dispensing. J. E. Knauss. No. 1,095,579; May 5; Gaz. vol. 202; p. 139.
- Cabinet-table. C. B. Heath. No. 1,094,786; Apr. 28; Gaz. vol. 201; p. 1043.
- Cabinet, Talking-machine. A. Börzsöny. No. 1,122,679; Dec. 29; Gaz. vol. 209; p. 1473.
- Cabinet, Toilet-paper. J. L. Hildebrand. No. 1,114,354; Oct. 20; Gaz. vol. 207; p. 762.
- Cabinet, Towel-. R. F. Lemen. No. 1,120,725; Dec. 15; Gaz. vol. 209; p. 718.
- Cabinet, Towel-. I. H. Shattuck. No. 1,092,405; Apr. 7; Gaz. vol. 201; p. 97.
- Cabinet, Towel-dispensing. E. E. McCracken. No. 1,104,207; July 21; Gaz. vol. 204; p. 776.
- Cabinet, Vending-. O. Jaeger. No. 1,101,851; June 30; Gaz. vol. 203; p. 1382.
- Cabinets, Support for drinking-cup. W. E. Swift. No. 1,095,242; May 5; Gaz. vol. 202; p. 23.
- Cabinets, Swinging bin for. W. Sellers. No. 1,100,329; June 16; Gaz. vol. 203; p. 754.
- Cable and forming and connecting the same. F. R. McBerty. No. 1,104,061; July 21; Gaz. vol. 204; p. 727.
- Cable-armor-forming machine. C. T. Pratt. No. 1,098,919; June 2; Gaz. vol. 203; p. 192.
- Cable-carrier apparatus. G. A. Amsden. No. 1,108,823; Aug. 25; Gaz. vol. 205; p. 1269.
- Cable-carrier apparatus. G. A. Amsden. No. 1,108,824; Aug. 25; Gaz. vol. 205; p. 1269.
- Cable-carrier apparatus, Carrier for. G. A. Amsden. No. 1,101,518; June 30; Gaz. vol. 203; p. 1268.
- Cable-carrier grip. G. A. Amsden. No. 1,122,354; Dec. 29; Gaz. vol. 209; p. 1359.
- Cable-clamp. A. C. Smith. No. 1,092,668; Apr. 7; Gaz. vol. 201; p. 187.
- Cable-connector. M. K. Schilling. No. 1,086,227; Feb. 3; Gaz. vol. 199; p. 228.
- Cable-forming machine. E. Wroughton. No. 1,091,104; Mar. 24; Gaz. vol. 200; p. 956.
- Cable-grip. W. G. S. De Carteret. No. 1,114,235; Oct. 20; Gaz. vol. 207; p. 721.
- Cable-grip. H. Nolan. No. 1,114,637; Oct. 20; Gaz. vol. 207; p. 860.
- Cable-grips, Apparatus for making. H. A. Havens. No. 1,086,664; Feb. 10; Gaz. vol. 199; p. 424.

Alphabetical list of inventions—Continued.

- Cable-guide. S. M. Hampton. No. 1,108,748; Aug. 25; Gaz. vol. 205; p. 1244.
- Cable-guide. H. Holmes. No. 1,092,714; Apr. 7; Gaz. vol. 201; p. 203.
- Cable-guide for sheaves and pulleys. W. D. Jones. No. 1,087,951; Feb. 24; Gaz. vol. 199; p. 967.
- Cable-hanger. J. E. Ogden. No. 1,110,568; Sept. 15; Gaz. vol. 206; p. 687.
- Cable-hoist. L. Cobb. No. 1,104,964; July 28; Gaz. vol. 204; p. 1088.
- Cable-hook. A. F. Berger. No. 1,106,183; Aug. 4; Gaz. vol. 205; p. 209.
- Cable-reel. Automatic. W. S. Mayers. No. 1,100,140; June 16; Gaz. vol. 203; p. 688.
- Cable-reel for haulage mechanism. D. T. Fisher. No. 1,113,974; Oct. 20; Gaz. vol. 207; p. 627.
- Cable-reeling mechanism. F. C. Coseo. No. 1,090,973; Mar. 24; Gaz. vol. 200; p. 910.
- Cable-reeling mechanism for electric traction systems. F. L. Sessions. No. 1,112,331; Sept. 29; Gaz. vol. 206; p. 1378.
- Cable-splice. F. N. Bierce. No. 1,097,289; May 19; Gaz. vol. 202; p. 805.
- Cable-splice. A. J. Penote. No. 1,113,138; Oct. 6; Gaz. vol. 207; p. 250.
- Cable-stretcher. J. Dykes. No. 1,118,539; Nov. 24; Gaz. vol. 208; p. 1193.
- Cable-support. P. K. Musselman. No. 1,084,225; Jan. 13; Gaz. vol. 198; p. 353.
- Cable support, Conductor-. W. F. Meschenmoser. No. 1,118,035; Nov. 24; Gaz. vol. 208; p. 1015.
- Cable, Wire. J. B. Stone. No. 1,089,684; Mar. 10; Gaz. vol. 200; p. 395.
- Cable-working system. J. Gott. No. 1,113,429; Oct. 13; Gaz. vol. 207; p. 399.
- Cables and circuits, Localizing faults in. J. H. J. A. Stephenson. No. 1,084,910; Jan. 20; Gaz. vol. 198; p. 608.
- Cables. Coil-cases for insertion in. F. L. Rhodes. No. 1,103,079; July 14; Gaz. vol. 204; p. 345.
- Cables, Working submarine. J. Gott. No. 1,114,982; Oct. 27; Gaz. vol. 207; p. 1036.
- Cables, Working submarine. J. Gott. No. 1,122,383; Dec. 29; Gaz. vol. 209; p. 1369.
- Cableway. C. Decker. No. 1,122,080; Dec. 22; Gaz. vol. 209; p. 1228.
- Cableway. S. S. Webber. No. 1,085,649; Feb. 3; Gaz. vol. 199; p. 25.
- Cableway-carriages, Slack-pulling device for. C. Sharkey. No. 1,085,827; Feb. 3; Gaz. vol. 199; p. 89.
- Caddy-bag. A. J. Brauer. No. 1,118,469; Nov. 24; Gaz. vol. 208; p. 1169.
- Caddy-bag. J. Gamble. No. 1,122,721; Dec. 29; Gaz. vol. 209; p. 1487.
- Cage, Bird and animal. F. C. Warnecke. No. 1,123,044; Dec. 29; Gaz. vol. 209; p. 1601.
- Cake-beater. C. Whitney. No. 1,098,070; May 26; Gaz. vol. 202; p. 1123.
- Cake-cloth remover and truck-loader. W. J. Lowry. No. 1,107,972; Aug. 18; Gaz. vol. 205; p. 926.
- Cake-former. R. A. Trace. No. 1,095,750; May 5; Gaz. vol. 202; p. 197.
- Cake machine, Sandwich-. C. W. Hitchner. No. 1,114,138; Oct. 20; Gaz. vol. 207; p. 685.
- Cake, Manufacture of feeding-. E. Evans. No. 1,094,320; Apr. 21; Gaz. vol. 201; p. 818.
- Cake-mixer. M. Crump. No. 1,103,271; July 14; Gaz. vol. 204; p. 413.
- Cake-stripper. C. E. Snypp. No. 1,102,698; July 7; Gaz. vol. 204; p. 166.
- Cake-tin. J. A. Benson. No. 1,107,479; Aug. 18; Gaz. vol. 205; p. 755.
- Cake-turner. E. S. Frey and F. Marriott. No. 1,109,523; Sept. 1; Gaz. vol. 206; p. 233.
- Cake turner and fork, Combined pan-. E. L. Emory. No. 1,089,118; Mar. 3; Gaz. vol. 200; p. 153.
- Calcium carbide, Crushing and grinding. W. S. Landis. No. 1,100,582; June 16; Gaz. vol. 203; p. 838.
- Calcium cyanamid non-dusting, Rendering. F. S. Washburn. No. 1,098,651; June 2; Gaz. vol. 203; p. 101.
- Calculating apparatus. C. A. Bishop. No. 1,094,514; Apr. 28; Gaz. vol. 201; p. 945.
- Calculating apparatus. A. B. Herrick. No. 1,087,445; Feb. 17; Gaz. vol. 199; p. 747.
- Calculating instrument. J. P. De l'Eau. No. 1,117,805; Nov. 17; Gaz. vol. 208; p. 897.
- Calculating-machine. F. S. Baldwin. (Reissue.) No. 1,3841; Dec. 8; Gaz. vol. 209; p. 648.
- Calculating-machine. F. S. Baldwin. (Reissue.) No. 1,3842; Dec. 8; Gaz. vol. 209; p. 649.
- Calculating-machine. J. Bricken. No. 1,094,054; Apr. 21; Gaz. vol. 201; p. 731.
- Calculating-machine. J. Bricken. No. 1,119,061; Dec. 1; Gaz. vol. 209; p. 58.
- Calculating-machine. W. L. Bundy. No. 1,113,099; Oct. 6; Gaz. vol. 207; p. 236.
- Calculating-machine. W. L. Bundy. No. 1,117,200; Nov. 17; Gaz. vol. 208; p. 683.
- Calculating-machine. T. Carroll. No. 1,118,103; Nov. 24; Gaz. vol. 208; p. 1039.
- Calculating-machine. A. S. Dennis. No. 1,114,593; Oct. 20; Gaz. vol. 207; p. 846.
- Calculating-machine. D. E. Felt. No. 1,088,219; Feb. 24; Gaz. vol. 199; p. 1061.
- Calculating-machine. J. Forsheim and J. Konigsberg. No. 1,085,561; Jan. 27; Gaz. vol. 198; p. 865.
- Calculating-machine. H. E. Goldberg. No. 1,085,809; Feb. 3; Gaz. vol. 199; p. 83.
- Calculating-machine. H. E. Goldberg. No. 1,099,497; June 9; Gaz. vol. 203; p. 430.
- Calculating-machine. H. E. Goldberg. No. 1,112,063; Sept. 29; Gaz. vol. 206; p. 1285.
- Calculating-machine. J. Graber. No. 1,096,238; May 12; Gaz. vol. 202; p. 398.
- Calculating-machine. A. Hantsch. No. 1,103,875; July 14; Gaz. vol. 204; p. 622.
- Calculating-machine. J. I. Haynes. No. 1,112,612; Oct. 6; Gaz. vol. 207; p. 72.
- Calculating-machine. H. Hopkins. No. 1,089,559; Mar. 10; Gaz. vol. 200; p. 351.
- Calculating-machine. H. Hopkins. No. 1,118,489; Nov. 24; Gaz. vol. 208; p. 1176.
- Calculating-machine. W. W. Hopkins. No. 1,085,912; Feb. 3; Gaz. vol. 199; p. 118.
- Calculating-machine. O. Malcher. No. 1,120,317; Dec. 8; Gaz. vol. 209; p. 525.
- Calculating-machine. O. Malcher. No. 1,120,318; Dec. 8; Gaz. vol. 209; p. 526.
- Calculating-machine. R. H. Marchant. No. 1,115,950; Nov. 3; Gaz. vol. 208; p. 164.
- Calculating-machine. A. J. Meier, W. L. Swift, and E. L. Reller. No. 1,118,670; Nov. 24; Gaz. vol. 208; p. 1238.
- Calculating-machine. W. H. Pike, Jr. No. 1,094,394; Apr. 21; Gaz. vol. 201; p. 843.
- Calculating-machine. A. F. Poole. No. 1,085,757; Feb. 3; Gaz. vol. 199; p. 64.
- Calculating-machine. R. Pöthig. No. 1,085,480; Jan. 27; Gaz. vol. 198; p. 839.
- Calculating-machine. W. P. Quentell. No. 1,104,385; July 21; Gaz. vol. 204; p. 838.
- Calculating-machine. C. Rasmussen. No. 1,100,616; June 16; Gaz. vol. 203; p. 850.
- Calculating-machine. C. Rasmussen. No. 1,100,639; June 16; Gaz. vol. 203; p. 873.
- Calculating-machine. C. Rasmussen. No. 1,108,788; Aug. 25; Gaz. vol. 205; p. 1256.
- Calculating-machine. E. A. Reed, E. L. Reller, W. L. Swift, and A. J. Meier. No. 1,118,682; Nov. 24; Gaz. vol. 208; p. 1242.
- Calculating-machine. U. G. Robinson. No. 1,118,950; Dec. 1; Gaz. vol. 209; p. 16.
- Calculating-machine. C. Schaller. No. 1,109,471; Sept. 1; Gaz. vol. 206; p. 216.
- Calculating-machine. M. Teetor. No. 1,086,244; Feb. 3; Gaz. vol. 199; p. 234.
- Calculating-machine. O. Thieme. No. 1,100,929; June 23; Gaz. vol. 203; p. 1014.
- Calculating-machine. F. Trinks. No. 1,088,486; Feb. 24; Gaz. vol. 199; p. 1149.
- Calculating-machine. F. Trinks. No. 1,094,275; Apr. 21; Gaz. vol. 201; p. 804.
- Calculating-machine. F. Trinks. No. 1,100,631; June 16; Gaz. vol. 203; p. 854.
- Calculating-machine. F. Trinks. No. 1,118,829; Nov. 24; Gaz. vol. 208; p. 1291.
- Calculating-machine. F. Trinks. No. 1,118,830; Nov. 24; Gaz. vol. 208; p. 1291.
- Calculating machine. K. F. Ziehm. No. 1,110,734; Sept. 15; Gaz. vol. 206; p. 747.
- Calculating-machine carrying mechanism. F. Trinks. No. 1,098,193; May 26; Gaz. vol. 202; p. 1163.
- Calculating-machine key-regulating device. H. Cordt. No. 1,119,404; Dec. 1; Gaz. vol. 209; p. 175.
- Calculating-machines, Accumulator for. E. L. Reller. No. 1,095,674; May 5; Gaz. vol. 202; p. 171.
- Calculating-machines, Actuating device for key-set. G. J. Barrett. No. 1,108,118; Aug. 25; Gaz. vol. 205; p. 1026.
- Calculating-machines, Clearing mechanism for. F. H. Bickford. No. 1,086,580; Feb. 10; Gaz. vol. 199; p. 396.
- Calculating-machines, Control mechanism for. W. Wooley. No. 1,085,957; Feb. 3; Gaz. vol. 199; p. 135.
- Calculating-machines, Item-counter for. G. J. Barrett. No. 1,108,119; Aug. 25; Gaz. vol. 205; p. 1026.
- Calculating-machines, Return-to-zero device for. W. Augustin. No. 1,086,344; Feb. 10; Gaz. vol. 199; p. 313.
- Calculating-machines, Setting-gear for. W. Augustin. No. 1,104,763; July 28; Gaz. vol. 204; p. 1018.
- Calculating-machines, Signaling device for. B. Behr. No. 1,105,396; July 28; Gaz. vol. 204; p. 1241.
- Calculating-machines, Zero-eliminating mechanism for. W. H. Brown. No. 1,108,877; Sept. 1; Gaz. vol. 206; p. 4.
- Calculating mechanism. H. Bruckmann. No. 1,094,363; Apr. 21; Gaz. vol. 201; p. 831.
- Calculator. H. H. Rich. No. 1,094,594; Apr. 28; Gaz. vol. 201; p. 973.
- Calculator, Duplex. J. F. Mays. No. 1,115,953; Nov. 3; Gaz. vol. 208; p. 166.
- Calculator, Interest-. J. M. MacLean. No. 1,113,801; Oct. 13; Gaz. vol. 207; p. 528.

Alphabetical list of inventions—Continued.

- Calculator or abacus. R. C. Bennett. No. 1,099,009; June 2; Gaz. vol. 203; p. 220.
 Calculator, Spring-. H. A. Schwager. No. 1,122,429; Dec. 29; Gaz. vol. 209; p. 1384.
 Calendar. P. Armstrong. No. 1,110,858; Sept. 15; Gaz. vol. 206; p. 790.
 Calendar. P. Armstrong. No. 1,117,756; Nov. 17; Gaz. vol. 208; p. 880.
 Calendar. H. R. Birdsell. No. 1,107,251; Aug. 18; Gaz. vol. 205; p. 673.
 Calendar. G. H. Deaton. No. 1,117,802; Nov. 17; Gaz. vol. 208; p. 896.
 Calendar, Cabinet-. S. Willman. No. 1,116,524; May 10; Gaz. vol. 208; p. 403.
 Calendar, Desk-. A. E. Bates. No. 1,083,913; Jan. 13; Gaz. vol. 198; p. 245.
 Calendar-hanger. W. A. Callanan. No. 1,107,262; Aug. 18; Gaz. vol. 205; p. 677.
 Calendar-pad holder. J. C. Stevens. No. 1,092,871; Apr. 14; Gaz. vol. 201; p. 292.
 Calendar, Perpetual. G. W. Bailey. No. 1,109,814; Sept. 8; Gaz. vol. 206; p. 378.
 Calendar, Perpetual. E. D. Graber. No. 1,092,208; Apr. 7; Gaz. vol. 201; p. 29.
 Calendar, Perpetual. J. E. Hill. No. 1,115,819; Nov. 3; Gaz. vol. 208; p. 118.
 Calendar, Perpetual. J. Vogel. No. 1,083,381; Jan. 6; Gaz. vol. 198; p. 40.
 Calendaring-machine guard. J. B. Wagg and J. A. Johnson. No. 1,102,109; June 30; Gaz. vol. 203; p. 1475.
 Calenders, Slab-forming attachment for. J. R. Gammeter. No. 1,089,467; Mar. 10; Gaz. vol. 200; p. 319.
 Calf-wheel and drive member, Combined. J. T. Hall. No. 1,108,576; Aug. 25; Gaz. vol. 205; p. 1186.
 Calf-wheel and gudgeon. W. Keck. No. 1,095,881; May 5; Gaz. vol. 202; p. 241.
 Calibrating device. S. D. Sprong. No. 1,090,419; Mar. 17; Gaz. vol. 200; p. 691.
 Caliper, Micrometer-. E. W. Marlon. No. 1,098,515; June 2; Gaz. vol. 203; p. 55.
 Caliper, Micrometer-. E. S. Savage. No. 1,107,202; Aug. 11; Gaz. vol. 205; p. 608.
 Caliper, Micrometer-. E. S. Savage. No. 1,107,203; Aug. 11; Gaz. vol. 205; p. 609.
 Caliper, Micrometer-. F. Spalding. No. 1,095,745; May 5; Gaz. vol. 202; p. 196.
 Caliper, Micrometer-. F. Spalding. No. 1,107,187; Aug. 11; Gaz. vol. 205; p. 603.
 Calipers. W. R. Brown. No. 1,110,879; Sept. 15; Gaz. vol. 206; p. 799.
 Calipers. E. E. Ellis. No. 1,102,146; June 30; Gaz. vol. 203; p. 1487.
 Calipers. L. S. Gardner. No. 1,092,254; Apr. 7; Gaz. vol. 201; p. 44.
 Calipers. J. G. Jernberg. No. 1,099,652; June 9; Gaz. vol. 203; p. 483.
 Calipers. W. J. Lucas. No. 1,096,439; May 12; Gaz. vol. 202; p. 467.
 Calipers. P. J. Robinson. No. 1,109,467; Sept. 1; Gaz. vol. 206; p. 215.
 Calipers for rope and the like. P. M. Stegmaier. No. 1,105,217; July 28; Gaz. vol. 204; p. 1175.
 Calipers, Micrometer-. F. O. Jaques, Sr. No. 1,121,632; Dec. 22; Gaz. vol. 209; p. 1071.
 Calipers or dividers. J. Hermanowitz. No. 1,104,890; July 28; Gaz. vol. 204; p. 1062.
 Calipers, Reversible. G. B. Fenno. No. 1,109,056; Sept. 1; Gaz. vol. 206; p. 71.
 Calipering device for the stopping mechanism of machine-tools. A. E. Newton. No. 1,098,751; June 2; Gaz. vol. 203; p. 134.
 Calipering-gage for screw-threads. F. O. Wells and F. Judge. No. 1,090,180; Mar. 17; Gaz. vol. 200; p. 607.
 Calk, Detachable. J. H. Gerken and L. Hebenstreit. No. 1,104,417; July 21; Gaz. vol. 204; p. 849.
 Calker's and painter's tool. J. Dysko. No. 1,096,496; May 12; Gaz. vol. 202; p. 486.
 Calking device. W. Erickson. No. 1,118,543; Nov. 24; Gaz. vol. 208; p. 1195.
 Calking-tool. A. E. Olson. No. 1,120,523; Dec. 8; Gaz. vol. 209; p. 599.
 Call-box. H. O. Rugh. No. 1,095,358; May 5; Gaz. vol. 202; p. 63.
 Call-box. H. O. Rugh. No. 1,095,525; May 5; Gaz. vol. 202; p. 121.
 Call-boxes and fire-alarms, Automatic recorder for. J. D. Nelson. No. 1,098,521; June 2; Gaz. vol. 203; p. 58.
 Call-distributor system, Automatic. F. R. McBerty. No. 1,110,809; Sept. 15; Gaz. vol. 206; p. 772.
 Call-distributing system, Manual-. J. H. Levis, Jr. No. 1,101,749; June 23; Gaz. vol. 203; p. 949.
 Call-guide, Perpetual. E. Christianson. No. 1,122,860; Dec. 29; Gaz. vol. 209; p. 1536.
 Call system. J. Hergesheimer. No. 1,093,132; Apr. 14; Gaz. vol. 201; p. 381.
 Calling device. W. Kaisling. No. 1,096,841; May 19; Gaz. vol. 202; p. 645.
 Calling device. W. Kaisling. No. 1,097,644; May 26; Gaz. vol. 202; p. 970.
 Calling device. W. Kaisling. No. 1,098,447; June 2; Gaz. vol. 203; p. 32.
 Calling device. W. Kaisling. No. 1,118,655; Nov. 24; Gaz. vol. 208; p. 1233.
 Calling device. G. E. Mueller. No. 1,119,526; Dec. 1; Gaz. vol. 209; p. 216.
 Calling device. H. O. Rugh. No. 1,114,048; Oct. 20; Gaz. vol. 207; p. 653.
 Calling-key, Individual. M. F. Geer and R. C. Leake. No. 1,105,766; Aug. 4; Gaz. vol. 205; p. 63.
 Calorimeter. S. W. Parr. No. 1,115,238; Oct. 27; Gaz. vol. 207; p. 1128.
 Calorimeter for flowing liquids or gases. M. Hottinger. No. 1,088,280; Feb. 24; Gaz. vol. 199; p. 1081.
 Calorimeters, Sampling-tube for. C. C. Thomas. No. 1,108,278; Aug. 25; Gaz. vol. 205; p. 1082.
 Cam and adjusting device therefor. C. Day and G. E. Windeler. No. 1,104,637; July 21; Gaz. vol. 204; p. 926.
 Cam-cutting machine. A. J. Povah. No. 1,118,442; Nov. 24; Gaz. vol. 208; p. 1159.
 Cam-cutting mechanism. G. D. Hayden. No. 1,098,038; May 26; Gaz. vol. 202; p. 1111.
 Cam for gill-drawing frames, Disk. W. Holdsworth. No. 1,113,346; Oct. 13; Gaz. vol. 207; p. 369.
 Camera. P. Dietz. No. 1,091,814; Mar. 31; Gaz. vol. 200; p. 1242.
 Camera. L. Holland-Letz. No. 1,109,226; Sept. 1; Gaz. vol. 206; p. 131.
 Camera. L. Mandel. No. 1,113,568; Oct. 13; Gaz. vol. 207; p. 447.
 Camera. E. F. Stratton. No. 1,099,889; June 9; Gaz. vol. 203; p. 564.
 Camera. E. C. Walters and P. G. Mason. No. 1,088,492; Feb. 24; Gaz. vol. 199; p. 1151.
 Camera. H. T. Wing. No. 1,084,687; Jan. 20; Gaz. vol. 198; p. 533.
 Camera and projecting apparatus, Kinematograph. C. De Proszynski. No. 1,112,555; Oct. 6; Gaz. vol. 207; p. 51.
 Camera and projecting apparatus, Kinematograph. C. De Proszynski. No. 1,112,896; Oct. 6; Gaz. vol. 207; p. 168.
 Camera attachment. J. A. Berst. No. 1,117,159; Nov. 17; Gaz. vol. 208; p. 666.
 Camera attachment. J. E. Bjorlie. No. 1,093,821; Apr. 21; Gaz. vol. 201; p. 654.
 Camera attachment. R. Lockyer. No. 1,109,077; Sept. 1; Gaz. vol. 206; p. 78.
 Camera-back. J. D. Megown. No. 1,104,527; July 21; Gaz. vol. 204; p. 889.
 Camera-back, Shifting. S. E. Moine. No. 1,110,333; Sept. 15; Gaz. vol. 206; p. 605.
 Camera-bed. J. A. Robertson. No. 1,096,954; May 19; Gaz. vol. 202; p. 687.
 Camera-beds, Tripod-socket for. H. R. Darling. No. 1,112,525; Oct. 6; Gaz. vol. 207; p. 40.
 Camera-carrying case. W. F. Dorris. No. 1,088,885; Mar. 3; Gaz. vol. 200; p. 72.
 Camera-casing and film-carrier, Combined. R. R. Livingston. No. 1,090,079; Mar. 10; Gaz. vol. 200; p. 529.
 Camera, Copying-. W. A. Bishop. No. 1,120,014; Dec. 8; Gaz. vol. 209; p. 419.
 Camera, Developing and fixing. F. D. Jones and S. M. Coffman. No. 1,112,414; Sept. 29; Gaz. vol. 206; p. 1408.
 Camera enlarging attachment. C. C. Leeds. No. 1,088,030; Feb. 24; Gaz. vol. 199; p. 996.
 Camera-focusing device. H. T. Oliver. No. 1,095,285; May 5; Gaz. vol. 202; p. 38.
 Camera, Gun-. T. H. Sherman. No. 1,118,066; Nov. 24; Gaz. vol. 208; p. 1026.
 Camera-holder. R. Naglo. No. 1,103,814; July 14; Gaz. vol. 204; p. 601.
 Camera, Magazine-. L. Mandel. No. 1,093,341; Apr. 14; Gaz. vol. 201; p. 453.
 Camera, Motion-picture. A. C. Forsberg and H. C. Schlicker. No. 1,098,031; May 26; Gaz. vol. 202; p. 1109.
 Camera, Motion-picture. C. F. Jenkins. No. 1,089,646; Mar. 10; Gaz. vol. 200; p. 381.
 Camera, Moving-picture. J. A. Golden. No. 1,102,261; July 7; Gaz. vol. 204; p. 14.
 Camera, Photographic. J. Becker. No. 1,103,342; July 14; Gaz. vol. 204; p. 437.
 Camera, Photographic. L. Breunig. No. 1,113,748; Oct. 13; Gaz. vol. 207; p. 510.
 Camera, Photographic. M. and L. Mandel. No. 1,088,787; Mar. 3; Gaz. vol. 200; p. 39.
 Camera, Photographic. J. A. Robertson and R. Kroedel. No. 1,107,358; Aug. 18; Gaz. vol. 205; p. 711.
 Camera, Photographic. A. Voris. No. 1,108,033; Aug. 18; Gaz. vol. 205; p. 948.
 Camera, Self-leveling repeating. J. N. Johnson. No. 1,083,743; Jan. 6; Gaz. vol. 198; p. 161.
 Camera, Self-leveling repeating. J. N. Johnson. No. 1,103,418; July 14; Gaz. vol. 204; p. 461.
 Camera-shutter. J. H. Dolby. No. 1,084,137; Jan. 13; Gaz. vol. 198; p. 322.
 Camera-shutter. J. A. Duncan, Jr. No. 1,117,009; Nov. 10; Gaz. vol. 208; p. 577.
 Camera-shutter. R. Klein and T. Brueck. No. 1,091,666; Mar. 31; Gaz. vol. 200; p. 1189.

Alphabetical list of inventions—Continued.

- Camera-shutter. R. Klein and T. Brueck. No. 1,092,110; Mar. 31; Gaz. vol. 200; p. 1341.
- Camera-shutter. R. Klein and T. Brueck. No. 1,122,950; Dec. 29; Gaz. vol. 209; p. 1567.
- Camera-shutter. A. E. Lipp. No. 1,102,278; July 7; Gaz. vol. 204; p. 20.
- Camera-shutter. H. H. McAnelly. No. 1,088,291; Feb. 24; Gaz. vol. 199; p. 1085.
- Camera-shutter operator. A. L. McKinney and L. H. Zeigler. No. 1,108,458; Aug. 25; Gaz. vol. 205; p. 1143.
- Camera shutter, Photographic. A. S. Newman. No. 1,095,020; Apr. 28; Gaz. vol. 201; p. 1124.
- Camera, Submarine. H. Gruen. No. 1,122,104; Dec. 22; Gaz. vol. 209; p. 1236.
- Camera-support and posing device, Combined. G. T. Ridings. No. 1,099,820; June 9; Gaz. vol. 203; p. 540.
- Cameras, Adjustable combination-shield attachment for. W. L. Scott. No. 1,084,234; Jan. 13; Gaz. vol. 198; p. 356.
- Cameras, Adjusting and regulating automatically-focused enlarging or copying. J. Becker. No. 1,103,343; July 14; Gaz. vol. 204; p. 437.
- Cameras, Focusing-hood for. H. Gindele. No. 1,115,423; Oct. 27; Gaz. vol. 207; p. 1190.
- Cameras, Illuminating apparatus for photographic. W. Bechstein. No. 1,097,211; May 19; Gaz. vol. 202; p. 777.
- Cameras, Multiplying attachment for. H. D. Farquhar. No. 1,103,745; July 14; Gaz. vol. 204; p. 577.
- Camp-pack. W. H. Miller. No. 1,102,200; June 30; Gaz. vol. 203; p. 1507.
- Camphene and isobornyl acetate from pinene hydrochlorid, Producing a mixture of. C. Ruder. No. 1,105,378; July 28; Gaz. vol. 204; p. 1235.
- Can: See Ash-can; Cracker-can; Dispensing-can; Friction-top can; Garbage-can; Ice-can; Jacketed can; Lacquered or protective-coated can; Milk-can; Oil-can; Package-can; Powder-can; Roving-can; Self-closing can; Sheet-metal can; Sifting-top can; Slow-feed can; Vacuum milk-can.
- Can. J. K. Billig. No. 1,090,678; Mar. 17; Gaz. vol. 200; p. 779.
- Can. C. H. Campbell. No. 1,120,276; Dec. 8; Gaz. vol. 209; p. 511.
- Can. J. W. Dugan. No. 1,100,961; June 23; Gaz. vol. 203; p. 1025.
- Can. A. G. Ingalls. No. 1,098,444; June 2; Gaz. vol. 203; p. 31.
- Can. G. M. Schott. No. 1,116,496; Nov. 10; Gaz. vol. 208; p. 394.
- Can. D. B. Tamagno. No. 1,094,035; Apr. 21; Gaz. vol. 201; p. 725.
- Can. C. S. Whipple. No. 1,084,306; Jan. 13; Gaz. vol. 198; p. 379.
- Can-bodies, Machine for performing operations on the ends of. L. C. Sharp. No. 1,104,559; July 21; Gaz. vol. 204; p. 901.
- Can-bodies, Machine for preparing fibrous. J. F. Adams. No. 1,104,465; July 21; Gaz. vol. 204; p. 865.
- Can-body-end-flanging machine. L. C. Sharp. No. 1,118,590; Nov. 24; Gaz. vol. 208; p. 1211.
- Can-body-feeding device. A. M. Augensen. No. 1,122,242; Dec. 29; Gaz. vol. 209; p. 1323.
- Can-body-flanging machine. F. J. Smith. No. 1,114,301; Oct. 20; Gaz. vol. 207; p. 744.
- Can-body-making machine. A. Johnson. No. 1,101,446; June 23; Gaz. vol. 203; p. 1191.
- Can-body or composite blank therefor, Metal. E. Norton. No. 1,114,508; Oct. 20; Gaz. vol. 207; p. 819.
- Can-cap. E. M. Lang, Jr. No. 1,122,955; Dec. 29; Gaz. vol. 209; p. 1569.
- Can cap and closure. E. M. Lang, Jr. No. 1,122,954; Dec. 29; Gaz. vol. 209; p. 1569.
- Can-capping machine. A. Malmquist. No. 1,099,757; June 9; Gaz. vol. 203; p. 519.
- Can carrier or truck. G. H. Hanna, J. D. Filbin, and F. Amsden. No. 1,102,658; July 7; Gaz. vol. 204; p. 154.
- Can carrier, Paint. G. Chindgren. No. 1,109,161; Sept. 1; Gaz. vol. 206; p. 107.
- Can-closing machine. J. E. Abrams and I. F. Warne. No. 1,103,643; July 14; Gaz. vol. 204; p. 543.
- Can-closure. W. U. Harris. No. 1,084,857; Jan. 20; Gaz. vol. 198; p. 592.
- Can-closure. E. M. Lang, Jr. No. 1,109,649; Sept. 1; Gaz. vol. 206; p. 279.
- Can-closure. W. H. McNutt. No. 1,114,165; Oct. 20; Gaz. vol. 207; p. 695.
- Can-closure. S. P. Smith. No. 1,122,166; Dec. 22; Gaz. vol. 209; p. 1255.
- Can-closure. D. B. Tamagno. No. 1,109,557; Sept. 1; Gaz. vol. 206; p. 245.
- Can closure, Milk. H. C. Phipps. No. 1,113,479; Oct. 13; Gaz. vol. 207; p. 416.
- Can construction. H. T. Johnson. No. 1,105,143; July 28; Gaz. vol. 204; p. 1148.
- Can cover, Odorless garbage. G. M. Bowen. No. 1,121,161; Dec. 15; Gaz. vol. 209; p. 873.
- Can-covers, Apparatus for cutting and applying ring-liners to. J. A. Gray. No. 1,121,009; Dec. 15; Gaz. vol. 209; p. 818.
- Can-cutter and faucet, Combination. H. P. Disher. No. 1,088,332; Feb. 24; Gaz. vol. 199; p. 1099.
- Can-end closure. J. M. Young. No. 1,100,005; June 16; Gaz. vol. 203; p. 641.
- Can-end-feeding mechanism. I. F. Warne. No. 1,092,613; Apr. 7; Gaz. vol. 201; p. 169.
- Can filler, Ice. W. E. Nutter and G. P. Zeller. No. 1,114,797; Oct. 27; Gaz. vol. 207; p. 970.
- Can-filling apparatus. C. Robertson. No. 1,096,953; May 19; Gaz. vol. 202; p. 686.
- Can-filling apparatus, Oil. T. F. Mulligan. No. 1,112,082; Sept. 29; Gaz. vol. 206; p. 1291.
- Can-filling machine. L. A. Baker. No. 1,105,173; July 28; Gaz. vol. 204; p. 1159.
- Can-filling machine. L. A. Baker. No. 1,119,389; Dec. 1; Gaz. vol. 209; p. 170.
- Can-filling machine. F. G. Dickerson. No. 1,117,346; Nov. 17; Gaz. vol. 208; p. 735.
- Can-fluxing means. H. Blandford. No. 1,090,095; Mar. 10; Gaz. vol. 200; p. 535.
- Can-forming machine. R. G. Clark. No. 1,086,700; Feb. 10; Gaz. vol. 199; p. 436.
- Can fusing or sweating machine. J. E. Schenck and C. A. Doolittle. No. 1,094,935; Apr. 28; Gaz. vol. 201; p. 1094.
- Can-head-cutting machine. P. J. Wesolowski. No. 1,100,802; June 23; Gaz. vol. 203; p. 968.
- Can-head-seaming machine. L. C. Sharp. No. 1,094,937; Apr. 28; Gaz. vol. 201; p. 1094.
- Can-heads, Machine for cutting and forming rectangular. W. E. Taylor. No. 1,091,601; Mar. 31; Gaz. vol. 200; p. 1166.
- Can-heads, Machine for making and inserting paper rings in. E. N. Mrozinski and C. L. Hunsicker. No. 1,087,040; Feb. 10; Gaz. vol. 199; p. 551.
- Can-heading machine. J. Brenzinger. No. 1,121,894; Dec. 22; Gaz. vol. 209; p. 1163.
- Can-heading machine. C. H. and S. Hookey. No. 1,105,661; Aug. 4; Gaz. vol. 205; p. 26.
- Can-heading machine. L. C. Krummel. No. 1,086,187; Feb. 3; Gaz. vol. 199; p. 215.
- Can-heading machine. L. C. Sharp. No. 1,094,938; Apr. 28; Gaz. vol. 201; p. 1095.
- Can-heading machine. F. Wegner. No. 1,095,972; May 5; Gaz. vol. 202; p. 270.
- Can holder for machines, Oil. T. J. Burger. No. 1,085,969; Feb. 3; Gaz. vol. 199; p. 139.
- Can holder, Oil. F. L. Longyear. No. 1,103,065; July 14; Gaz. vol. 204; p. 340.
- Can lacquering or coating machine. J. G. Hodgson. No. 1,104,503; July 21; Gaz. vol. 204; p. 879.
- Can-lid fastener, Milk. C. C. Riefsnyder. No. 1,118,879; Nov. 24; Gaz. vol. 208; p. 1308.
- Can-making machine, Mechanism for feeding can-bodies and can ends to a. L. C. Krummel. No. 1,091,468; Mar. 24; Gaz. vol. 200; p. 1076.
- Can-manipulating machine. B. Hausheer. No. 1,091,838; Mar. 31; Gaz. vol. 200; p. 1250.
- Can-opener. E. L. Ames. No. 1,094,384; Apr. 21; Gaz. vol. 201; p. 840.
- Can-opener. L. E. Bauer. No. 1,115,159; Oct. 27; Gaz. vol. 207; p. 1100.
- Can-opener. L. E. Holmes. No. 1,088,578; Feb. 24; Gaz. vol. 199; p. 1178.
- Can-opener. A. Johnson. No. 1,116,592; Nov. 10; Gaz. vol. 208; p. 430.
- Can-opener. C. I. Millar. No. 1,111,163; Sept. 22; Gaz. vol. 206; p. 939.
- Can-opener. O. A. Norlund. No. 1,115,965; Nov. 3; Gaz. vol. 208; p. 171.
- Can-opener. H. W. Sheehy. No. 1,094,172; Apr. 21; Gaz. vol. 201; p. 772.
- Can-opener. H. Till. No. 1,098,648; June 2; Gaz. vol. 203; p. 100.
- Can-opener. H. Till. No. 1,110,728; Sept. 15; Gaz. vol. 206; p. 745.
- Can-opener. H. Till. No. 1,112,039; Sept. 29; Gaz. vol. 206; p. 1277.
- Can opener and seal. H. O. Kenworthy. No. 1,117,054; Nov. 10; Gaz. vol. 208; p. 591.
- Can-opener, Safety. D. H. Coles. No. 1,096,602; May 12; Gaz. vol. 202; p. 522.
- Can-opening device. L. Delpeut. No. 1,108,719; Aug. 25; Gaz. vol. 205; p. 1234.
- Can-opening instrument. W. H. Arnold. No. 1,095,369; May 5; Gaz. vol. 202; p. 67.
- Can-opening machine. J. F. Moran. No. 1,110,334; Sept. 15; Gaz. vol. 206; p. 605.
- Can or box lifter. A. J. Collier. No. 1,085,542; Jan. 27; Gaz. vol. 198; p. 859.
- Can parts, Feeding mechanism for. F. P. McColl. No. 1,106,575; Aug. 11; Gaz. vol. 205; p. 390.
- Can perforator and sealer. S. T. E. Flower. No. 1,118,645; Nov. 24; Gaz. vol. 208; p. 1229.
- Can-seaming machine. J. W. Nichols. No. 1,096,937; May 19; Gaz. vol. 202; p. 680.
- Can-shipping case, Hooped and braced. G. J. Record. No. 1,117,951; Nov. 17; Gaz. vol. 208; p. 946.
- Can-smoothing machine. J. B. Conover. No. 1,113,196; Oct. 13; Gaz. vol. 207; p. 314.

Alphabetical list of inventions—Continued.

- Can soaking or sterilizing apparatus, Ice-cream-. T. L. Valerius. No. 1,094,499; Apr. 28; Gaz. vol. 201; p. 940.
- Can-sorting machine. E. P. Jones. No. 1,115,829; Nov. 3; Gaz. vol. 208; p. 122.
- Can spout, Powder-. F. Hennaut. No. 1,085,335; Jan. 27; Gaz. vol. 198; p. 791.
- Can sterilizer, Ice-cream-. T. L. Valerius. No. 1,094,500; Apr. 28; Gaz. vol. 201; p. 941.
- Can-straightening device. T. H. Hart. No. 1,112,792; Oct. 6; Gaz. vol. 207; p. 134.
- Can-tester. S. Tevander. No. 1,087,074; Feb. 10; Gaz. vol. 199; p. 563.
- Can-testing apparatus. J. W. Dixon. No. 1,118,478; Nov. 24; Gaz. vol. 208; p. 1172.
- Can-top feeder. C. E. Forry. No. 1,092,706; Apr. 7; Gaz. vol. 201; p. 200.
- Can-top-marking machine. H. Nelson. No. 1,118,217; Nov. 24; Gaz. vol. 208; p. 1078.
- Can-transferring mechanism. T. L. Taliaferro. No. 1,092,609; Apr. 7; Gaz. vol. 201; p. 168.
- Can-washing machine, Milk-. W. P. Thorpe. No. 1,111,624; Sept. 22; Gaz. vol. 206; p. 1097.
- Can with self-closing lid. L. Schott. No. 1,090,883; Mar. 24; Gaz. vol. 200; p. 879.
- Cans and the like, Opener for condensed-milk. J. O. Buzard and N. Peterson. No. 1,118,329; Nov. 24; Gaz. vol. 208; p. 1117.
- Cans, Exhaust-box for. A. R. Thompson. No. 1,097,893; May 26; Gaz. vol. 202; p. 1059.
- Cans, Hermetically closing filled preserving-. F. Rudolph. No. 1,086,730; Feb. 10; Gaz. vol. 199; p. 447.
- Cans, Machine for renewing old. C. Cosby. No. 1,085,890; Feb. 3; Gaz. vol. 199; p. 110.
- Cans, Manufacturing interiorly-coated. F. Eberhart. No. 1,094,840; Apr. 28; Gaz. vol. 201; p. 1061.
- Cans or receptacles. Pouring-spout for paper or fibrous-material. J. R. Harbeck. No. 1,099,896; June 9; Gaz. vol. 203; p. 567.
- Cans or the like, Cover for evaporated-milk. F. C. K. Werner. No. 1,113,270; Oct. 13; Gaz. vol. 207; p. 342.
- Cans, Refrigerating-cover for milk-. S. Shapiro. No. 1,097,774; May 26; Gaz. vol. 202; p. 1017.
- Cans, Removable cap for oil-. A. E. Ainslie. No. 1,116,968; Nov. 10; Gaz. vol. 208; p. 561.
- Cans, Reversible pouring-spout for. M. M. Marcuse. No. 1,114,011; Oct. 20; Gaz. vol. 207; p. 640.
- Canned foods, Preventing the spoilage of. E. W. Duck-wall. No. 1,114,972; Oct. 27; Gaz. vol. 207; p. 1032.
- Canned goods, Apparatus for sterilizing. L. E. Arnold. No. 1,088,957; Mar. 3; Gaz. vol. 200; p. 98.
- Cannery exhaust-box. F. A. Twichell. No. 1,122,173; Dec. 22; Gaz. vol. 209; p. 1258.
- Canning and preserving fruit. L. H. Stewart. No. 1,099,577; June 9; Gaz. vol. 203; p. 458.
- Canning apparatus. E. L. Flowers. No. 1,109,673; Sept. 8; Gaz. vol. 206; p. 329.
- Canning asparagus. G. W. Weber. No. 1,083,311; Jan. 6; Gaz. vol. 198; p. 18.
- Canning-boiler. H. L. Day. No. 1,101,730; June 30; Gaz. vol. 203; p. 1339.
- Canning, Exhaust-box for fruit-. W. C. Anderson and A. R. Thompson. No. 1,093,305; Apr. 14; Gaz. vol. 201; p. 442.
- Canning liquids. W. J. Phelps. No. 1,101,656; June 30; Gaz. vol. 203; p. 1315.
- Canning-machine. C. L. Bentley. No. 1,101,245; June 23; Gaz. vol. 203; p. 1123.
- Canning-machine. G. W. Steelman, E. H. Sawyer, and M. Fels. No. 1,100,333; June 16; Gaz. vol. 203; p. 755.
- Canning machinery. C. H. Ayars. No. 1,110,983; Sept. 15; Gaz. vol. 206; p. 833.
- Canning machinery. J. P. Goodfellow. No. 1,104,658; July 21; Gaz. vol. 204; p. 933.
- Canal, Drying-. L. Jungels. No. 1,084,803; Jan. 20; Gaz. vol. 198; p. 573.
- Canal, Miniature Panama. L. E. Myers. No. 1,096,119; May 12; Gaz. vol. 202; p. 358.
- Canceling device, Hand. D. E. Stevens. No. 1,109,480; Sept. 1; Gaz. vol. 206; p. 219.
- Canceling-machines, Power-drive for. F. G. Jahn. No. 1,116,070; Nov. 3; Gaz. vol. 208; p. 206.
- Candle-extinguisher, Automatic. C. Liaci. No. 1,101,296; June 23; Gaz. vol. 203; p. 1140.
- Candle-finishing machine. E. J. Engman. No. 1,114,871; Oct. 27; Gaz. vol. 207; p. 997.
- Candle-holder. M. Knorpp. No. 1,110,796; Sept. 15; Gaz. vol. 206; p. 768.
- Candle-holder. G. Kowalsky. No. 1,091,354; Mar. 24; Gaz. vol. 200; p. 1039.
- Candle-machine. W. H. Day and W. Murch. No. 1,116,029; Nov. 3; Gaz. vol. 208; p. 192.
- Candlestick-lubricator. E. L. Faul. No. 1,097,921; May 26; Gaz. vol. 202; p. 1071.
- Candy and making the same. W. B. Laskey. No. 1,107,325; Aug. 18; Gaz. vol. 205; p. 699.
- Candy-bag. J. Gamble. No. 1,107,283; Aug. 18; Gaz. vol. 205; p. 684.
- Candy-coating machine. W. Fritz. No. 1,090,608; Mar. 17; Gaz. vol. 200; p. 757.
- Candy-cutting device. C. C. Brown. No. 1,092,331; Apr. 7; Gaz. vol. 201; p. 72.
- Candy-machine. J. Michitsch. No. 1,108,461; Aug. 25; Gaz. vol. 205; p. 1144.
- Candy-machine. F. H. Woolf. No. 1,108,304; Aug. 25; Gaz. vol. 205; p. 1092.
- Candy, Making. P. H. Schlueter. No. 1,101,572; June 30; Gaz. vol. 203; p. 1287.
- Candy-making machine. M. Buchmüller. No. 1,119,062; Dec. 1; Gaz. vol. 209; p. 58.
- Candy-making machine. R. J. Savage and C. E. Schultz. No. 1,104,936; July 28; Gaz. vol. 204; p. 1078.
- Candy-making machine. R. J. Savage and C. E. Schultz. (Reissue.) No. 13,836; Dec. 1; Gaz. vol. 209; p. 306.
- Candy-making machine. P. H. Schlueter. No. 1,091,022; Mar. 24; Gaz. vol. 200; p. 928.
- Candy-puller. H. P. Spencer. No. 1,102,174; June 30; Gaz. vol. 203; p. 1497.
- Candy-pulling machine. A. F. Koerber. No. 1,096,728; May 12; Gaz. vol. 202; p. 564.
- Candy-pulling machine. G. C. C. Shean and L. Schmelz. No. 1,112,569; Oct. 6; Gaz. vol. 207; p. 56.
- Candy-spinner. C. H. Worsey. No. 1,102,624; July 7; Gaz. vol. 204; p. 142.
- Candy-spinning machine. C. H. Worsey. No. 1,102,623; July 7; Gaz. vol. 204; p. 142.
- Candy-wrapping machine. W. W. Buhse. No. 1,116,560; Nov. 10; Gaz. vol. 208; p. 417.
- Candy-wrapping machine. E. C. Miller. No. 1,085,283; Jan. 27; Gaz. vol. 198; p. 773.
- Candy-wrapping machine. E. C. Thorschmidt. No. 1,108,027; Aug. 18; Gaz. vol. 205; p. 946.
- Cane. A. D. Goetz. No. 1,085,333; Jan. 27; Gaz. vol. 198; p. 790.
- Cane and like mill, Three-roller sugar-. C. McNeil. No. 1,107,087; Aug. 11; Gaz. vol. 205; p. 566.
- Cane-conveyer. T. J. West. No. 1,094,281; Apr. 21; Gaz. vol. 201; p. 806.
- Cane-cutting apparatus, Sugar-. J. G. Casteran. No. 1,116,995; Nov. 10; Gaz. vol. 208; p. 572.
- Cane juices, Purifying and clarifying raw sugar-. R. E. Gordon. No. 1,094,436; Apr. 28; Gaz. vol. 201; p. 918.
- Cane mill, Sugar-. C. Bosse. No. 1,083,983; Jan. 13; Gaz. vol. 198; p. 268.
- Cane mill, Sugar-. A. F. Ewart. No. 1,106,291; Aug. 4; Gaz. vol. 205; p. 243.
- Cane mill, Sugar-. C. J. Hedemann. No. 1,106,301; Aug. 4; Gaz. vol. 205; p. 246.
- Cane mill, Sugar-. P. A. G. Messchaert. No. 1,121,747; Dec. 22; Gaz. vol. 209; p. 1110.
- Cane mills and the like, Hydraulic-pressure-regulating gear for sugar-. J. C. and W. A. McNeil. No. 1,095,161; Apr. 28; Gaz. vol. 201; p. 1173.
- Cane or like material, Machinery for splitting. R. Smith. No. 1,098,987; June 2; Gaz. vol. 203; p. 214.
- Cane stripper and topper. F. M. Cockrell, Jr. No. 1,118,636; Nov. 24; Gaz. vol. 208; p. 1226.
- Canister, Coffee-. C. Blomstrom. No. 1,087,431; Feb. 17; Gaz. vol. 199; p. 741.
- Cannon. B. Gallagher. No. 1,101,841; June 30; Gaz. vol. 203; p. 1379.
- Canoe-barrow. F. B. Flower. No. 1,109,520; Sept. 1; Gaz. vol. 206; p. 232.
- Canoes, boats, &c., Buoyancy device for. U. R. Miller. No. 1,086,390; Feb. 10; Gaz. vol. 199; p. 327.
- Canopy. E. Hanigan. No. 1,089,214; Mar. 3; Gaz. vol. 200; p. 187.
- Canopy. J. Stricklen. No. 1,114,933; Oct. 27; Gaz. vol. 207; p. 1020.
- Canopy-frame. G. F. Lindsey and G. A. Williams. No. 1,102,418; July 7; Gaz. vol. 204; p. 70.
- Canopy-frame support. J. T. Johnson. No. 1,101,852; June 30; Gaz. vol. 203; p. 1383.
- Cant-hook. P. Graham. No. 1,109,217; Sept. 1; Gaz. vol. 206; p. 128.
- Canteen, Insulated glass-lined. L. R. Steel. No. 1,098,850; June 2; Gaz. vol. 203; p. 167.
- Caoutchouc, gutta-percha, and like substances, Treatment of. L. Féval and J. De la Fresnaye. No. 1,102,487; July 7; Gaz. vol. 204; p. 93.
- Caoutchouc-like products, Manufacturing. A. Caroselli. No. 1,086,139; Feb. 3; Gaz. vol. 199; p. 200.
- Caoutchouc-like substance, Vulcanized. F. Hofmann and C. Coutelle. No. 1,084,334; Jan. 13; Gaz. vol. 198; p. 388.
- Caoutchouc-like substance, Vulcanized. F. Hofmann and C. Coutelle. No. 1,084,337; Jan. 13; Gaz. vol. 198; p. 388.
- Caoutchouc-like substance, Vulcanized. F. Hofmann, C. Coutelle, K. Delbrück, and K. Meisenburg. No. 1,084,335; Jan. 13; Gaz. vol. 198; p. 388.
- Caoutchouc-like substance, Vulcanized. F. Hofmann, C. Coutelle, K. Delbrück, and K. Meisenburg. No. 1,084,336; Jan. 13; Gaz. vol. 198; p. 388.
- Caoutchouc-like substance, Vulcanized. F. Hofmann, C. Coutelle, K. Delbrück, and K. Meisenburg. No. 1,084,338; Jan. 13; Gaz. vol. 198; p. 388.
- Caoutchouc, Manufacturing synthetic. C. K. F. L. Gross. No. 1,090,847; Mar. 24; Gaz. vol. 200; p. 866.
- Caoutchouc substance and making same. F. Hofmann and C. Coutelle. No. 1,084,333; Jan. 13; Gaz. vol. 198; p. 387.

Alphabetical list of inventions—Continued.

- Caoutchouc substances and making same, Colored. R. Ditmar. No. 1,113,759; Oct. 13; Gaz. vol. 207; p. 513.
- Caoutchouc substances and making same, Colored. K. Gottlob. No. 1,113,614; Oct. 13; Gaz. vol. 207; p. 462.
- Caoutchouc substances, Production of. F. Hofmann and C. Coutelle. No. 1,113,630; Oct. 13; Gaz. vol. 207; p. 468.
- Caoutchouc substances, Production of. F. Hofmann and C. Coutelle. No. 1,113,631; Oct. 13; Gaz. vol. 207; p. 468.
- Caoutchouc substitute, Making. O. Röhm. No. 1,121,134; Dec. 15; Gaz. vol. 209; p. 864.
- Cap. J. W. Burke. No. 1,105,400; July 28; Gaz. vol. 204; p. 1242.
- Cap. I. Centner. No. 1,092,429; Apr. 7; Gaz. vol. 201; p. 106.
- Cap. P. Goldmann. No. 1,113,777; Oct. 13; Gaz. vol. 207; p. 519.
- Cap. A. Lesser. No. 1,097,133; May 19; Gaz. vol. 202; p. 750.
- Cap, Automobile-. A. Plotkin. No. 1,084,109; Jan. 13; Gaz. vol. 198; p. 312.
- Cap, Automobile-. G. C. Thomas. No. 1,115,615; Nov. 3; Gaz. vol. 208; p. 50.
- Cap-assorting machine, Crown-. J. Torres. No. 1,118,972; Dec. 1; Gaz. vol. 209; p. 24.
- Cap-feeding machine. G. J. F. Woellert. No. 1,106,607; Aug. 11; Gaz. vol. 205; p. 402.
- Cap, Metal. A. C. Crimmel. No. 1,116,569; Nov. 10; Gaz. vol. 208; p. 421.
- Cap-remover. J. M. Spielbauer. No. 1,116,509; Nov. 10; Gaz. vol. 208; p. 398.
- Caplet. R. B. Benjamin. No. 1,086,347; Feb. 10; Gaz. vol. 199; p. 314.
- Capping device. F. J. Heybach. No. 1,111,581; Sept. 22; Gaz. vol. 206; p. 1083.
- Capstan. C. H. Clark. No. 1,113,543; Oct. 13; Gaz. vol. 207; p. 439.
- Capsule. R. J. Estes. No. 1,122,089; Dec. 22; Gaz. vol. 209; p. 1232.
- Capsule. M. H. Smith. No. 1,087,843; Feb. 17; Gaz. vol. 199; p. 883.
- Capsule-cutting machine. B. T. Winchester. No. 1,118,610; Nov. 24; Gaz. vol. 208; p. 1218.
- Capsule-filling machine. B. T. Winchester. No. 1,092,319; Apr. 7; Gaz. vol. 201; p. 69.
- Capsule-holder. B. T. Winchester. No. 1,092,318; Apr. 7; Gaz. vol. 201; p. 68.
- Capsule-machine. B. T. Winchester. No. 1,114,325; Oct. 20; Gaz. vol. 207; p. 752.
- Capsules, Forming wafer-. W. Ohliger. No. 1,084,708; Jan. 20; Gaz. vol. 198; p. 542.
- Car. W. S. Holdaway and W. M. Ryan. No. 1,083,831; Jan. 6; Gaz. vol. 198; p. 187.
- Car. F. Seaberg. No. 1,093,886; Apr. 21; Gaz. vol. 201; p. 675.
- Car. J. J. Tatum. No. 1,087,407; Feb. 17; Gaz. vol. 199; p. 731.
- Car. W. H. Yost. No. 1,083,977; Jan. 13; Gaz. vol. 198; p. 267.
- Car, Alcove sleeping-. F. E. Stebbins. No. 1,119,466; Dec. 1; Gaz. vol. 209; p. 195.
- Car, Ammunition-hoisting. J. F. Meigs and R. P. Stout. No. 1,105,813; Aug. 4; Gaz. vol. 205; p. 80.
- Car anchor, Tank-. A. E. Ostrander. No. 1,122,413; Dec. 29; Gaz. vol. 209; p. 1378.
- Car and air coupling, Automatic. H. F. Woernley. No. 1,099,585; June 9; Gaz. vol. 203; p. 461.
- Car and door-operating mechanism, Dump-. W. A. Caswell. No. 1,107,896; Aug. 18; Gaz. vol. 205; p. 900.
- Car and pipe coupling, Automatic. H. F. Woernley. No. 1,108,300; Aug. 25; Gaz. vol. 205; p. 1091.
- Car and pipe coupling, Combined. H. H. Westinghouse. No. 1,106,431; Aug. 11; Gaz. vol. 205; p. 335.
- Car and train-pipe coupling, Automatic. C. H. Tomlinson. No. 1,094,612; Apr. 28; Gaz. vol. 201; p. 979.
- Car annunciator or station-indicator. W. G. Billerman. No. 1,086,581; Feb. 10; Gaz. vol. 199; p. 396.
- Car, Antirobbery and burglar-proof. T. G. Smith. No. 1,089,506; Mar. 10; Gaz. vol. 200; p. 334.
- Car-arrester. F. Brady. No. 1,099,902; June 9; Gaz. vol. 203; p. 569.
- Car-arrester, Automatic. R. A. Willson and A. L. Wright. No. 1,083,717; Jan. 6; Gaz. vol. 198; p. 153.
- Car, Articulated passenger-. A. Taurman. No. 1,114,552; Oct. 20; Gaz. vol. 207; p. 833.
- Car automatic coupling, Railway-. W. v. Sokolowski. No. 1,104,713; July 21; Gaz. vol. 204; p. 952.
- Car, Automatic dumping-. E. E. Dillehay. No. 1,119,688; Dec. 1; Gaz. vol. 209; p. 271.
- Car, Ballast-. F. H. Hopkins. No. 1,086,051; Feb. 3; Gaz. vol. 199; p. 169.
- Car, Ballast-. W. H. Yost. No. 1,116,863; Nov. 10; Gaz. vol. 208; p. 526.
- Car, Ballast-. W. H. Yost. No. 1,116,864; Nov. 10; Gaz. vol. 208; p. 527.
- Car, Bank-. W. G. Jenkins. No. 1,092,055; Mar. 31; Gaz. vol. 200; p. 1322.
- Car bodies and the like, Suspension of rail-. J. G. P. Thomas. No. 1,099,949; June 16; Gaz. vol. 203; p. 621.
- Car bodies and trucks, Flexible lock-joint for. J. M. Coleman. No. 1,089,396; Mar. 10; Gaz. vol. 200; p. 292.
- Car-bodies, Cushioning device for independently-movable. W. P. Bettendorf. No. 1,084,690; Jan. 20; Gaz. vol. 198; p. 535.
- Car-body. G. H. Forsyth and A. H. Sisson. No. 1,112,778; Oct. 6; Gaz. vol. 207; p. 129.
- Car-body. J. W. Rapp. No. 1,114,804; Oct. 27; Gaz. vol. 207; p. 972.
- Car body-bolster, Railway-. C. A. Lindström. No. 1,097,654; May 26; Gaz. vol. 202; p. 874.
- Car body-bolster, Tank-. C. F. Frede. No. 1,120,923; Dec. 15; Gaz. vol. 209; p. 789.
- Car-body, Collapsible. C. Heinz and J. Du Roth. No. 1,093,574; Apr. 14; Gaz. vol. 201; p. 525.
- Car-bolster. J. S. MacFarlane. No. 1,119,027; Dec. 1; Gaz. vol. 209; p. 46.
- Car, Box-. W. C. Smith and G. H. Barber. No. 1,103,697; July 14; Gaz. vol. 204; p. 563.
- Car-brake. J. P. E. Bernier and F. A. Andersen. No. 1,097,515; May 19; Gaz. vol. 202; p. 881.
- Car-brake. W. F. Kiesel, Jr. No. 1,092,917; Apr. 14; Gaz. vol. 201; p. 307.
- Car-brake. P. Shuminski. No. 1,104,226; July 21; Gaz. vol. 204; p. 783.
- Car-brake. H. Stillman. No. 1,100,270; June 16; Gaz. vol. 203; p. 734.
- Car-brake-adjusting means. H. E. Tribett. No. 1,094,274; Apr. 21; Gaz. vol. 201; p. 804.
- Car-brake-adjusting member. A. B. Broluska. No. 1,118,915; Dec. 1; Gaz. vol. 209; p. 3.
- Car-brake apparatus, Safety. J. C. Boyd. No. 1,084,391; Jan. 13; Gaz. vol. 198; p. 405.
- Car brake attachment, Railway-. J. B. Stevens. No. 1,108,526; Aug. 25; Gaz. vol. 205; p. 1168.
- Car-brake-controlling apparatus, Automatic. W. Reed. No. 1,099,074; June 2; Gaz. vol. 203; p. 239.
- Car-brake, Double-lever. S. Tompkins. No. 1,091,602; Mar. 31; Gaz. vol. 200; p. 1166.
- Car-brake mechanism. C. S. Steeg. No. 1,102,175; June 30; Gaz. vol. 203; p. 1498.
- Car-brake-operating means, Railway-. J. W. Keeney. No. 1,084,445; Jan. 13; Gaz. vol. 198; p. 422.
- Car brake, Railway-. S. Tompkins. No. 1,108,815; Aug. 25; Gaz. vol. 205; p. 1266.
- Car-brake slack-adjuster. L. A. Kling. No. 1,110,141; Sept. 8; Gaz. vol. 206; p. 499.
- Car brake, Street-. S. B. Thompson. No. 1,121,952; Dec. 22; Gaz. vol. 209; p. 1183.
- Car buffer, Railway-. N. Dargaczewski. No. 1,099,429; June 9; Gaz. vol. 203; p. 408.
- Car bunk and stake. W. Houghton. No. 1,105,141; July 28; Gaz. vol. 204; p. 1148.
- Car, Center-entrance. W. S. Menden. No. 1,089,852; Mar. 10; Gaz. vol. 200; p. 451.
- Car center-plates, Railway-. J. A. Pilcher. No. 1,090,168; Mar. 17; Gaz. vol. 200; p. 602.
- Car, Charge-. J. E. Greenawalt. No. 1,104,491; July 21; Gaz. vol. 204; p. 875.
- Car construction. J. M. Coleman. No. 1,111,949; Sept. 29; Gaz. vol. 206; p. 1248.
- Car construction. W. E. Johnson. No. 1,094,444; Apr. 28; Gaz. vol. 201; p. 921.
- Car construction. W. R. McKeen, Jr. No. 1,107,086; Aug. 11; Gaz. vol. 205; p. 566.
- Car construction. E. J. P. Meyer. No. 1,098,820; June 2; Gaz. vol. 203; p. 157.
- Car construction. A. F. Old. No. 1,095,348; May 5; Gaz. vol. 202; p. 60.
- Car construction. H. M. Pflager. No. 1,101,955; June 30; Gaz. vol. 203; p. 1421.
- Car construction. R. V. Sage. No. 1,110,236; Sept. 8; Gaz. vol. 206; p. 531.
- Car construction. V. von Schlegell. No. 1,091,770; Mar. 31; Gaz. vol. 200; p. 1225.
- Car construction. A. H. Sisson. No. 1,112,855; Oct. 6; Gaz. vol. 207; p. 155.
- Car construction. A. H. Sisson. No. 1,112,856; Oct. 6; Gaz. vol. 207; p. 156.
- Car construction. A. H. Sisson. No. 1,112,858; Oct. 6; Gaz. vol. 207; p. 156.
- Car construction. W. A. Stearns. No. 1,088,739; Mar. 3; Gaz. vol. 200; p. 24.
- Car construction. W. J. Tollerton. No. 1,085,645; Feb. 3; Gaz. vol. 199; p. 23.
- Car construction, Dumping-. R. V. Sage. No. 1,110,235; Sept. 8; Gaz. vol. 206; p. 530.
- Car construction, Hopper-ore-. J. M. Rohlfing. No. 1,097,945; May 26; Gaz. vol. 202; p. 1078.
- Car construction, Railway-. A. Ingstrom. No. 1,106,873; Aug. 11; Gaz. vol. 205; p. 494.
- Car, Convertible stock and grain. J. C. Cottrell. No. 1,097,304; May 19; Gaz. vol. 202; p. 810.
- Car-coupling. R. Adolph. No. 1,113,730; Oct. 13; Gaz. vol. 207; p. 503.
- Car-coupling. A. J. Bazeley. No. 1,100,706; June 23; Gaz. vol. 203; p. 936.
- Car-coupling. S. P. Bush. No. 1,115,168; Oct. 27; Gaz. vol. 207; p. 1103.
- Car-coupling. C. O. Derfingier. No. 1,102,648; July 7; Gaz. vol. 204; p. 150.

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- Car-coupling. S. K. Dickerson. No. 1,087,222; Feb. 17; Gaz. vol. 199; p. 669.
- Car-coupling. F. M. and H. E. Digman. No. 1,116,251; Nov. 3; Gaz. vol. 208; p. 267.
- Car-coupling. H. G. Dodds. No. 1,090,839; Mar. 24; Gaz. vol. 200; p. 864.
- Car-coupling. R. D. Gallagher, Jr. No. 1,107,602; Aug. 18; Gaz. vol. 205; p. 798.
- Car-coupling. M. A. Garrett. No. 1,107,929; Aug. 18; Gaz. vol. 205; p. 911.
- Car-coupling. E. F. Gebhardt. No. 1,108,740; Aug. 25; Gaz. vol. 205; p. 1242.
- Car-coupling. G. Grabany. No. 1,122,734; Dec. 29; Gaz. vol. 209; p. 1491.
- Car-coupling. M. C. Ironside. No. 1,093,781; Apr. 21; Gaz. vol. 201; p. 639.
- Car-coupling. R. E. L. Janney. No. 1,093,858; Apr. 21; Gaz. vol. 201; p. 666.
- Car-coupling. F. L. Johnson. No. 1,122,939; Dec. 29; Gaz. vol. 209; p. 1563.
- Car-coupling. C. H. Kadie. No. 1,107,959; Aug. 18; Gaz. vol. 205; p. 921.
- Car-coupling. J. Kelso. No. 1,095,462; May 5; Gaz. vol. 202; p. 99.
- Car-coupling. W. Kelso. No. 1,088,590; Feb. 24; Gaz. vol. 199; p. 1182.
- Car-coupling. J. and W. Kelso. No. 1,094,721; Apr. 28; Gaz. vol. 201; p. 1021.
- Car-coupling. H. T. Krakau. No. 1,099,853; June 9; Gaz. vol. 203; p. 551.
- Car-coupling. H. T. Krakau. No. 1,104,516; July 21; Gaz. vol. 204; p. 885.
- Car-coupling. H. T. Krakau. No. 1,122,952; Dec. 29; Gaz. vol. 209; p. 1568.
- Car-coupling. H. T. Krakau. No. 1,123,130; Dec. 29; Gaz. vol. 209; p. 1630.
- Car-coupling. A. S. Linderholm. No. 1,122,136; Dec. 22; Gaz. vol. 209; p. 1245.
- Car-coupling. R. J. Miller. No. 1,115,327; Oct. 27; Gaz. vol. 207; p. 1157.
- Car-coupling. H. F. Pope. No. 1,109,246; Sept. 1; Gaz. vol. 206; p. 139.
- Car-coupling. H. B. Reynolds. No. 1,095,029; Apr. 28; Gaz. vol. 201; p. 1127.
- Car-coupling. W. F. Richards. No. 1,105,839; Aug. 4; Gaz. vol. 205; p. 89.
- Car-coupling. H. Riggs. No. 1,120,242; Dec. 8; Gaz. vol. 209; p. 500.
- Car-coupling. A. L. and B. L. K. Roberts. No. 1,084,485; Jan. 13; Gaz. vol. 198; p. 434.
- Car-coupling. C. Schlared. No. 1,110,829; Sept. 15; Gaz. vol. 206; p. 779.
- Car-coupling. H. R. Swan, Sr. No. 1,120,562; Dec. 8; Gaz. vol. 209; p. 613.
- Car-coupling. J. C. Taylor. No. 1,098,135; May 26; Gaz. vol. 202; p. 1144.
- Car-coupling adjuster. M. Poeth. No. 1,091,956; Mar. 31; Gaz. vol. 200; p. 1290.
- Car coupling and brake. P. K. Tucker. No. 1,089,491; Mar. 10; Gaz. vol. 200; p. 500.
- Car-coupling and coupling-operating mechanism. W. Ahlen. No. 1,114,570; Oct. 20; Gaz. vol. 207; p. 839.
- Car-coupling, Automatic. A. M. Basic. No. 1,120,587; Dec. 8; Gaz. vol. 209; p. 622.
- Car-coupling buffer. L. Manzano. No. 1,095,011; Apr. 28; Gaz. vol. 201; p. 1121.
- Car-coupling-centering device. L. Boirault. No. 1,102,862; July 7; Gaz. vol. 204; p. 223.
- Car-coupling-centering device. R. E. Powers. No. 1,116,626; Nov. 10; Gaz. vol. 208; p. 443.
- Car-coupling-centering device, Railway. I. S. Downing. No. 1,112,897; Oct. 6; Gaz. vol. 207; p. 169.
- Car-coupling, Contour. R. E. L. Janney. No. 1,107,166; Aug. 11; Gaz. vol. 205; p. 596.
- Car-coupling-lifting device. J. O. Jones. No. 1,097,643; May 26; Gaz. vol. 202; p. 970.
- Car coupling, Railway. J. Z. Floryanowicz and T. M. J. Kicinski. No. 1,091,740; Mar. 31; Gaz. vol. 200; p. 1215.
- Car-coupling uncoupling device. M. J. Morgan. No. 1,111,080; Sept. 22; Gaz. vol. 206; p. 911.
- Car-coupling uncoupling device. H. M. Ramsay and J. A. Rickabaugh. No. 1,087,509; Feb. 17; Gaz. vol. 199; p. 768.
- Car-coupling with air-operated release, Automatic. M. Himberger. No. 1,108,577; Aug. 25; Gaz. vol. 205; p. 1180.
- Car-couplings, Automatic uncoupler for. J. P. Mongan. No. 1,102,941; July 7; Gaz. vol. 204; p. 249.
- Car-couplings, Bracket for uncoupling-rods of. E. H. Schmidt. No. 1,123,209; Dec. 29; Gaz. vol. 209; p. 1661.
- Car-couplings, Device for manipulating the locking-pins of. W. P. Murphy. No. 1,118,948; Dec. 1; Gaz. vol. 209; p. 15.
- Car-couplings, Emergency-knuckle for. G. H. Gilman and J. H. Brown. No. 1,114,604; Oct. 20; Gaz. vol. 207; p. 849.
- Car-couplings, Emergency-knuckle for. M. H. Long. No. 1,099,506; June 9; Gaz. vol. 203; p. 432.
- Car-couplings, Locking-pin-lifting mechanism for. E. H. Janney. No. 1,095,211; May 5; Gaz. vol. 202; p. 14.
- Car curtain-holder, Vestibule. M. J. Roche. No. 1,097,469; May 19; Gaz. vol. 202; p. 865.
- Car, Cycle-. A. E. Parnacott. No. 1,094,094; Apr. 21; Gaz. vol. 201; p. 745.
- Car-derailer. J. C. Jones. No. 1,116,075; Nov. 3; Gaz. vol. 208; p. 208.
- Car-diaphragm. E. E. Whitmore. No. 1,095,760; May 5; Gaz. vol. 202; p. 201.
- Car-door. J. F. Comee. No. 1,108,139; Aug. 25; Gaz. vol. 205; p. 1033.
- Car-door. E. Emmert. No. 1,096,700; May 12; Gaz. vol. 202; p. 554.
- Car-door. F. Jager. No. 1,110,692; Sept. 15; Gaz. vol. 206; p. 732.
- Car-door. J. Kartheiser. No. 1,113,352; Oct. 13; Gaz. vol. 207; p. 370.
- Car-door. W. F. Keiser and C. Ryan. No. 1,092,108; Mar. 31; Gaz. vol. 200; p. 1340.
- Car-door. E. E. Laughon. No. 1,113,792; Oct. 13; Gaz. vol. 207; p. 525.
- Car-door. E. J. Lee. No. 1,092,654; Apr. 7; Gaz. vol. 201; p. 183.
- Car-door. F. Mathews. No. 1,089,421; Mar. 10; Gaz. vol. 200; p. 302.
- Car-door. F. Mathews. No. 1,113,454; Oct. 13; Gaz. vol. 207; p. 407.
- Car-door. P. C. Merker. No. 1,086,602; Feb. 10; Gaz. vol. 199; p. 403.
- Car-door. P. C. Merker. No. 1,086,603; Feb. 10; Gaz. vol. 199; p. 403.
- Car-door. J. Mohler, Jr. No. 1,097,661; May 26; Gaz. vol. 202; p. 976.
- Car-door. E. Posson. No. 1,110,458; Sept. 15; Gaz. vol. 206; p. 650.
- Car-door. E. Posson. No. 1,116,728; Nov. 10; Gaz. vol. 208; p. 477.
- Car-door. T. Scullin and S. R. Skov. No. 1,093,731; Apr. 21; Gaz. vol. 201; p. 625.
- Car-door. R. Thalheim. No. 1,096,139; May 12; Gaz. vol. 202; p. 364.
- Car-door and means for locking same. C. E. Langell. No. 1,104,265; July 21; Gaz. vol. 204; p. 795.
- Car door and partition, Combined. R. E. Moore. No. 1,085,753; Feb. 3; Gaz. vol. 199; p. 62.
- Car door and steps. J. King. No. 1,105,202; July 28; Gaz. vol. 204; p. 1169.
- Car-door-bolting system. B. Reviron. No. 1,085,822; Feb. 3; Gaz. vol. 199; p. 87.
- Car door, Box-. W. G. Nymon. No. 1,104,129; July 21; Gaz. vol. 204; p. 750.
- Car-door bracket. F. Mathews. No. 1,085,924; Feb. 3; Gaz. vol. 199; p. 122.
- Car door, Dump-. R. W. Burnett. No. 1,089,392; Mar. 10; Gaz. vol. 200; p. 290.
- Car door, Dumping-. V. M. Summa. No. 1,109,603; Sept. 1; Gaz. vol. 206; p. 261.
- Car-door fastener. H. Vissering. No. 1,119,903; Dec. 8; Gaz. vol. 209; p. 380.
- Car-door fastener, Mine-. E. H. Owens. No. 1,114,510; Oct. 20; Gaz. vol. 207; p. 819.
- Car-door fastening. R. S. Miller. No. 1,092,939; Apr. 14; Gaz. vol. 201; p. 315.
- Car-door, &c., fastening means. P. C. Merker. No. 1,086,604; Feb. 10; Gaz. vol. 199; p. 404.
- Car-door, Flush. L. Almquist. No. 1,109,607; Sept. 1; Gaz. vol. 206; p. 262.
- Car-door, Flush. F. T. Carpenter. No. 1,094,835; Apr. 28; Gaz. vol. 201; p. 1060.
- Car door, Freight-. P. M. Elliott. No. 1,088,774; Mar. 3; Gaz. vol. 200; p. 34.
- Car door, Freight-. A. Hoiland. No. 1,100,566; June 16; Gaz. vol. 203; p. 833.
- Car door, Grain-. W. Brodhage. No. 1,107,752; Aug. 18; Gaz. vol. 205; p. 852.
- Car door, Grain-. A. Davidson, M. Jensen, and J. P. Blocker. No. 1,111,954; Sept. 29; Gaz. vol. 206; p. 1249.
- Car door, Grain-. R. R. Hart and H. Nelson. No. 1,120,055; Dec. 8; Gaz. vol. 209; p. 434.
- Car door, Grain-. A. G. McCormack. No. 1,106,395; Gaz. 11; Gaz. vol. 205; p. 323.
- Car door, Grain-. C. A. Snook. No. 1,099,946; June 16; Gaz. vol. 203; p. 620.
- Car-door hanger. R. Huff. No. 1,117,492; Nov. 17; Gaz. vol. 208; p. 786.
- Car-door lock. S. F. Adams. No. 1,097,155; May 19; Gaz. vol. 202; p. 758.
- Car-door lock. W. J. Bohan. No. 1,095,792; May 5; Gaz. vol. 202; p. 212.
- Car-door lock. J. Edman. No. 1,112,899; Oct. 6; Gaz. vol. 207; p. 170.
- Car-door lock. J. Kartheiser. No. 1,113,353; Oct. 13; Gaz. vol. 207; p. 371.
- Car-door lock, Street-. E. Lawrenz. No. 1,092,493; Apr. 7; Gaz. vol. 201; p. 129.
- Car-door-locking mechanism. W. Herr. No. 1,120,196; Dec. 8; Gaz. vol. 209; p. 485.
- Car-door mechanism. A. Christianson. No. 1,121,164; Dec. 15; Gaz. vol. 209; p. 874.

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- Car-door mechanism, J. F. Comee. No. 1,105,257; July 28; Gaz. vol. 204; p. 1189.
- Car-door mechanism, R. V. Sage. No. 1,085,300; Jan. 27; Gaz. vol. 198; p. 799.
- Car-door mechanism, Freight-. P. M. Elliott. No. 1,099,918; June 16; Gaz. vol. 203; p. 611.
- Car-door opener, J. W. Carver. No. 1,083,800; Jan. 6; Gaz. vol. 198; p. 177.
- Car-door-opening mechanism, Freight-. W. W. Darrow. No. 1,108,343; Aug. 25; Gaz. vol. 205; p. 1104.
- Car-door-operating gear, Dump-. J. F. Streib. No. 1,122,658; Dec. 29; Gaz. vol. 209; p. 1465.
- Car-door-operating means, W. M. Cutler. No. 1,117,798; Nov. 17; Gaz. vol. 208; p. 894.
- Car-door-operating mechanism, G. C. Cherbonnier. No. 1,084,728; Jan. 20; Gaz. vol. 198; p. 548.
- Car-door-operating mechanism, G. C. Cherbonnier. No. 1,084,729; Jan. 20; Gaz. vol. 198; p. 548.
- Car-door-operating mechanism, J. A. Laidlaw. No. 1,093,273; Apr. 14; Gaz. vol. 201; p. 430.
- Car-door-operating mechanism, C. A. Lindström. No. 1,086,723; Feb. 10; Gaz. vol. 199; p. 444.
- Car-door-operating mechanism, C. A. Lindström. (Re-issue.) No. 1,3725; May 12; Gaz. vol. 202; p. 597.
- Car-door-operating mechanism, E. M. Möller. No. 1,084,222; Jan. 13; Gaz. vol. 198; p. 351.
- Car-door-operating mechanism, W. E. Morey. No. 1,117,220; Nov. 17; Gaz. vol. 208; p. 690.
- Car-door-operating mechanism, Dump-. R. G. Taylor. No. 1,087,616; Feb. 17; Gaz. vol. 199; p. 805.
- Car-door-operating mechanism, Dumping-. E. W. Summers. No. 1,095,241; May 5; Gaz. vol. 202; p. 23.
- Car-door-operating mechanism, Hopper-. J. M. Rohlfing. No. 1,109,598; Sept. 1; Gaz. vol. 206; p. 259.
- Car-door-operating mechanism, Railway-. F. Seaberg. No. 1,083,705; Jan. 6; Gaz. vol. 198; p. 148.
- Car door, Railway-. W. L. Conwell and A. E. Ostrander. No. 1,089,398; Mar. 10; Gaz. vol. 200; p. 297.
- Car door, Railway-. W. L. Conwell and A. E. Ostrander. No. 1,119,778; Dec. 1; Gaz. vol. 209; p. 300.
- Car-door structure, W. J. Bohan. No. 1,100,947; June 23; Gaz. vol. 203; p. 1020.
- Car-door-supporting mechanism, Freight-. P. M. Elliott. No. 1,099,919; June 16; Gaz. vol. 203; p. 611.
- Car-door, Ventilating, J. Q. Horn. No. 1,122,930; Dec. 29; Gaz. vol. 209; p. 1560.
- Car-doors, &c., Stay-chain-attaching device for, P. C. Merker. No. 1,086,605; Feb. 10; Gaz. vol. 199; p. 405.
- Car-doors, Weather-strip device for, F. Mathews. No. 1,084,650; Jan. 20; Gaz. vol. 198; p. 519.
- Car, Double-deck, H. Rowntree. No. 1,111,971; Sept. 29; Gaz. vol. 206; p. 1254.
- Car draft and buffing appliance, Railway-. G. H. Forsyth. No. 1,090,143; Mar. 17; Gaz. vol. 200; p. 593.
- Car draft and buffing gear, I. O. Wright. No. 1,106,531; Aug. 11; Gaz. vol. 205; p. 373.
- Car draft-gear, G. T. Johnson. No. 1,094,792; Apr. 28; Gaz. vol. 201; p. 1045.
- Car draft-plate, Railway-. H. I. Wrigley. No. 1,101,228; June 23; Gaz. vol. 203; p. 1117.
- Car draft-rigging, Draft-yoke for railway-, S. B. Haseltine. No. 1,120,194; Dec. 8; Gaz. vol. 209; p. 483.
- Car draft-rigging, Draft-yoke for railway-, G. A. Johnson. No. 1,112,703; Oct. 6; Gaz. vol. 207; p. 104.
- Car draft-rigging, Railway-, C. E. Dath. No. 1,097,007; May 19; Gaz. vol. 202; p. 704.
- Car draft-rigging, Railway-, G. A. Johnson. No. 1,091,848; Mar. 31; Gaz. vol. 200; p. 1254.
- Car draft-rigging, Railway-, G. A. Johnson. No. 1,122,940; Dec. 29; Gaz. vol. 209; p. 1563.
- Car draft-rigging, Railway-, J. R. Mitchell. No. 1,120,216; Dec. 8; Gaz. vol. 209; p. 492.
- Car draft-rigging, Railway-, J. F. O'Connor. No. 1,096,120; May 12; Gaz. vol. 202; p. 358.
- Car draft-rigging, Single-center-sill, C. J. Nash. No. 1,093,797; Apr. 21; Gaz. vol. 201; p. 645.
- Car drag-brake, Railway-, M. F. Fagan. No. 1,096,418; May 12; Gaz. vol. 202; p. 460.
- Car draw-bar and yoke connection, Railway-, J. F. O'Connor. No. 1,099,197; June 9; Gaz. vol. 203; p. 326.
- Car, Dump-, R. W. Burnett. No. 1,096,351; May 12; Gaz. vol. 202; p. 439.
- Car, Dump-, R. W. Burnett. No. 1,096,352; May 12; Gaz. vol. 202; p. 439.
- Car, Dump-, R. W. Burnett. No. 1,108,327; Aug. 25; Gaz. vol. 205; p. 1100.
- Car, Dump-, R. W. Burnett. No. 1,121,975; Dec. 22; Gaz. Dec. 22; Gaz. vol. 209; p. 1192.
- Car, Dump-, A. Campbell. No. 1,085,243; Jan. 27; Gaz. vol. 198; p. 759.
- Car, Dump-, A. Campbell. No. 1,117,781; Nov. 17; Gaz. vol. 208; p. 889.
- Car, Dump-, A. R. Chambers. No. 1,084,607; Jan. 20; Gaz. vol. 198; p. 504.
- Car, Dump-, R. C. Crawford. No. 1,091,466; Mar. 24; Gaz. vol. 200; p. 1075.
- Car, Dump-, R. E. Frame and W. H. De Graff. No. 1,111,532; Sept. 22; Gaz. vol. 206; p. 1065.
- Car, Dump-, K. H. Hansen. No. 1,084,271; Jan. 13; Gaz. vol. 198; p. 366.
- Car, Dump-, K. H. Hansen. No. 1,084,272; Jan. 13; Gaz. vol. 198; p. 367.
- Car, Dump-, K. H. Hansen. No. 1,106,805; Aug. 11; Gaz. vol. 205; p. 470.
- Car, Dump-, P. J. Harrigan. No. 1,114,350; Oct. 20; Gaz. vol. 207; p. 760.
- Car, Dump-, J. J. Irvin. No. 1,121,505; Dec. 15; Gaz. vol. 209; p. 990.
- Car, Dump-, J. D. Mettler. No. 1,092,659; Apr. 7; Gaz. vol. 201; p. 185.
- Car, Dump-, S. Otis. No. 1,089,493; Mar. 10; Gaz. vol. 200; p. 329.
- Car, Dump-, H. Pries and J. W. Meyer. No. 1,116,731; Nov. 10; Gaz. vol. 208; p. 479.
- Car, Dump-, J. B. Rhodes. No. 1,103,314; July 14; Gaz. vol. 204; p. 427.
- Car, Dump-, R. V. Sage. No. 1,087,184; Feb. 17; Gaz. vol. 199; p. 652.
- Car, Dump-, J. M. Wilcox. No. 1,090,001; Mar. 10; Gaz. vol. 200; p. 503.
- Car, Dump-, S. D. Wright. No. 1,105,948; Aug. 4; Gaz. vol. 205; p. 127.
- Car, Dump-, S. D. Wright. No. 1,115,365; Oct. 27; Gaz. vol. 207; p. 1170.
- Car, Dump-, R. M. Zimmerman. No. 1,123,059; Dec. 29; Gaz. vol. 209; p. 1606.
- Car, Dumping-, C. P. Astrom. No. 1,118,094; Nov. 24; Gaz. vol. 208; p. 1036.
- Car, Dumping-, C. B. Dawson. No. 1,094,198; Apr. 21; Gaz. vol. 201; p. 780.
- Car, Dumping-, H. Greer, Jr. No. 1,101,177; June 23; Gaz. vol. 203; p. 1100.
- Car, Dumping-, E. Jaworek. No. 1,115,547; Nov. 3; Gaz. vol. 208; p. 28.
- Car, Dumping-, J. Karhu. No. 1,095,879; May 5; Gaz. vol. 202; p. 240.
- Car, Dumping-, C. F. Rice. No. 1,089,964; Mar. 10; Gaz. vol. 200; p. 490.
- Car, Dumping-, R. V. Sage. No. 1,083,563; Jan. 6; Gaz. vol. 198; p. 100.
- Car, Dumping-, M. E. Stange. No. 1,086,336; Feb. 3; Gaz. vol. 199; p. 262.
- Car, Dumping-, R. H. Stevens. No. 1,118,378; Nov. 24; Gaz. vol. 208; p. 1135.
- Car-dumping apparatus, J. H. Cotton. No. 1,084,256; Jan. 13; Gaz. vol. 198; p. 362.
- Car-dumping apparatus, C. A. Griffith. No. 1,108,575; Aug. 25; Gaz. vol. 205; p. 1186.
- Car-dumping apparatus, G. H. Mueller. No. 1,108,465; Aug. 25; Gaz. vol. 205; p. 1146.
- Car-dumping apparatus, Mine-, C. A. Griffith. No. 1,111,830; Sept. 29; Gaz. vol. 206; p. 1207.
- Car-dumping device, J. J. Irvin and W. Sheppard. No. 1,106,220; Aug. 4; Gaz. vol. 205; p. 220.
- Car, Dumping freight-, G. C. Shaffer. No. 1,093,734; Apr. 21; Gaz. vol. 201; p. 626.
- Car-dumping mechanism, G. H. Hulett. No. 1,084,437; Jan. 13; Gaz. vol. 198; p. 420.
- Car-dumping mechanism, G. H. Hulett. No. 1,084,438; Jan. 13; Gaz. vol. 198; p. 420.
- Car emergency-fender, Street-, J. A. Cochrane. No. 1,097,534; May 19; Gaz. vol. 202; p. 888.
- Car end construction, C. A. Lindström. No. 1,119,845; Dec. 8; Gaz. vol. 209; p. 360.
- Car end construction, A. E. Ostrander. No. 1,120,739; Dec. 15; Gaz. vol. 209; p. 723.
- Car end construction, V. M. Summa. No. 1,109,604; Sept. 1; Gaz. vol. 206; p. 262.
- Car end construction, Railway-, J. J. Cooper. No. 1,109,624; Sept. 1; Gaz. vol. 206; p. 270.
- Car end construction, Railway-, J. M. Rohlfing. No. 1,109,599; Sept. 1; Gaz. vol. 206; p. 260.
- Car end frame, H. M. Pfäfer. No. 1,120,970; Dec. 15; Gaz. vol. 209; p. 804.
- Car end plate, J. H. Weisbrod. No. 1,122,450; Dec. 29; Gaz. vol. 209; p. 1391.
- Car extensible platform, Railway-, E. H. Sickels. No. 1,099,402; June 9; Gaz. vol. 203; p. 399.
- Car-fender, C. J. Alge, J. E. Webb, and W. P. Henson. No. 1,094,959; Apr. 28; Gaz. vol. 201; p. 1103.
- Car-fender, D. Chew. No. 1,087,276; Feb. 17; Gaz. vol. 199; p. 686.
- Car-fender, L. Finkelman and J. Wilhelm. No. 1,106,643; Aug. 11; Gaz. vol. 205; p. 414.
- Car-fender, W. Fonger. No. 1,088,655; Feb. 24; Gaz. vol. 199; p. 1204.
- Car-fender, G. A. Fullerton. No. 1,094,648; Apr. 28; Gaz. vol. 201; p. 994.
- Car-fender, J. T. Fulmele. No. 1,112,206; Sept. 29; Gaz. vol. 206; p. 1335.
- Car-fender, E. E. Gamache. No. 1,094,387; Apr. 21; Gaz. vol. 201; p. 840.
- Car-fender, J. P. Geraghty and G. W. Naylor. No. 1,090,295; Mar. 17; Gaz. vol. 200; p. 647.
- Car-fender, A. T. Gookin. No. 1,114,606; Oct. 20; Gaz. vol. 207; p. 850.
- Car-fender, J. A. MacMahon. No. 1,095,651; May 5; Gaz. vol. 202; p. 163.
- Car-fender, W. H. Martin. No. 1,093,870; Apr. 21; Gaz. vol. 201; p. 670.

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- Car-fender. J. L. McDonnell. No. 1,104,435; July 21; Gaz. vol. 204; p. 854.
- Car-fender. G. A. Parmenter. No. 1,096,745; May 12; Gaz. vol. 202; p. 569.
- Car-fender. W. D. Russell. No. 1,108,869; Aug. 25; Gaz. vol. 205; p. 1287.
- Car-fender. M. A. Sprague. No. 1,086,001; Feb. 3; Gaz. vol. 199; p. 151.
- Car-fender. M. A. Sprague. No. 1,118,245; Nov. 24; Gaz. vol. 208; p. 1087.
- Car-fender. A. A. Unruh. No. 1,085,711; Feb. 3; Gaz. vol. 199; p. 46.
- Car-fender. W. D. Wright. No. 1,111,346; Sept. 22; Gaz. vol. 206; p. 1002.
- Car fender and guard, Combined. L. Hertzler. No. 1,094,652; Apr. 28; Gaz. vol. 201; p. 995.
- Car-fender and safety-brake, Automatic. B. Péducasse. No. 1,103,826; July 14; Gaz. vol. 204; p. 605.
- Car fender and snow-sweeper, Street-. C. Koshalko. No. 1,102,763; July 7; Gaz. vol. 204; p. 189.
- Car-fender mechanism. J. A. MacMahon. No. 1,095,650; May 5; Gaz. vol. 202; p. 162.
- Car fender, Motor-. W. Say. No. 1,108,795; Aug. 25; Gaz. vol. 205; p. 1258.
- Car fender, Safety street-. V. J. Anderson. No. 1,102,563; July 7; Gaz. vol. 204; p. 120.
- Car-fender, Self-closing. H. Davison. No. 1,118,535; Nov. 24; Gaz. vol. 208; p. 1191.
- Car fender, Street-. C. F. Ekman. No. 1,100,359; June 16; Gaz. vol. 203; p. 764.
- Car fender, Street-. R. H. Pogue. No. 1,094,244; Apr. 21; Gaz. vol. 201; p. 795.
- Car flange-lubricator, Railway-. I. Kincaid, M. E. Foote, and W. H. Neureither. No. 1,111,308; Sept. 22; Gaz. vol. 206; p. 988.
- Car-frame. E. A. Nix and J. J. Dowling. No. 1,119,714; Dec. 1; Gaz. vol. 209; p. 280.
- Car-frame construction. H. M. Pflager. No. 1,105,299; July 28; Gaz. vol. 204; p. 1204.
- Car frame, Motor-cycle side-. R. F. Rogers. No. 1,118,445; Nov. 24; Gaz. vol. 208; p. 1160.
- Car, Freight-. P. M. Elliott. No. 1,088,775; Mar. 3; Gaz. vol. 200; p. 35.
- Car, Freight-. D. E. Peterson. No. 1,084,477; Jan. 13; Gaz. vol. 198; p. 432.
- Car, Freight or cattle. J. B. Shelton. No. 1,094,485; Apr. 28; Gaz. vol. 201; p. 936.
- Car friction draft-rigging, Railway-. M. A. O'Connor. No. 1,093,879; Apr. 21; Gaz. vol. 201; p. 673.
- Car-gear equipment. C. H. Bishop. No. 1,110,871; Sept. 15; Gaz. vol. 206; p. 796.
- Car grain-door, Railway-. C. M. Kemper. No. 1,096,037; May 12; Gaz. vol. 202; p. 330.
- Car-handle shield. H. Jordan. No. 1,111,591; Sept. 22; Gaz. vol. 206; p. 1086.
- Car having upper and lower berths, Sleeping-. H. P. Richardson. No. 1,098,332; May 26; Gaz. vol. 202; p. 1213.
- Car-heater. W. S. Menden. No. 1,106,334; Aug. 4; Gaz. vol. 205; p. 257.
- Car-heater, Electric. T. Farmer, Jr. No. 1,101,016; June 23; Gaz. vol. 203; p. 1044.
- Car-heater, Rheostat-resistance. J. T. Skinner. No. 1,121,674; Dec. 22; Gaz. vol. 209; p. 1085.
- Car-heating apparatus. W. R. McKeen, Jr. No. 1,113,457; Oct. 13; Gaz. vol. 207; p. 408.
- Car-heating device, Motor-. E. H. Bickford. No. 1,114,438; Oct. 20; Gaz. vol. 207; p. 794.
- Car-heating system. W. L. Garland. No. 1,098,619; June 2; Gaz. vol. 203; p. 91.
- Car-hoist. H. A. Benedict. No. 1,102,232; July 7; Gaz. vol. 204; p. 4.
- Car, Hopper-. P. M. Beard. No. 1,109,609; Sept. 1; Gaz. vol. 206; p. 263.
- Car, Hopper-. A. Christianson. No. 1,121,165; Dec. 15; Gaz. vol. 209; p. 875.
- Car, Hopper-bottom dump-. H. Zahl. No. 1,097,577; May 19; Gaz. vol. 202; p. 902.
- Car-indicator. A. D. Cowden. No. 1,121,614; Dec. 22; Gaz. vol. 209; p. 1064.
- Car, Inspection-. J. Stofa. No. 1,106,164; Aug. 4; Gaz. vol. 205; p. 203.
- Car interchangeable wheel, Motor-. M. Fischer. No. 1,106,345; Aug. 4; Gaz. vol. 205; p. 261.
- Car journal-box. T. J. Bunch. No. 1,110,252; Sept. 8; Gaz. vol. 206; p. 536.
- Car journal-box. D. C. Davis. No. 1,109,281; Sept. 1; Gaz. vol. 206; p. 151.
- Car-journal-box lid. R. Coale. No. 1,112,981; Oct. 6; Gaz. vol. 207; p. 199.
- Car-journal grinder and polisher. N. C. Markham. No. 1,083,452; Jan. 6; Gaz. vol. 198; p. 65.
- Car, Knockdown. A. E. Ostrander. No. 1,122,411; Dec. 29; Gaz. vol. 209; p. 1378.
- Car ladder, Freight-. W. E. Williams. No. 1,093,021; Apr. 14; Gaz. vol. 201; p. 341.
- Car ladder, Railway-. W. E. Williams. No. 1,093,019; Apr. 14; Gaz. vol. 201; p. 341.
- Car ladder, Railway-. W. E. Williams. No. 1,093,020; Apr. 14; Gaz. vol. 201; p. 341.
- Car loader, Box-. J. M. Christy. No. 1,084,788; Jan. 20; Gaz. vol. 198; p. 569.
- Car-loading apparatus, Box-. C. Berghoefer. No. 1,090,966; Mar. 24; Gaz. vol. 200; p. 908.
- Car lubrication, Mine-. J. A. McCaskell. No. 1,105,363; July 28; Gaz. vol. 204; p. 1230.
- Car, Metallic box-. R. V. Sage. No. 1,110,403; Sept. 15; Gaz. vol. 206; p. 630.
- Car, Mine-. J. J. Roby. No. 1,087,318; Feb. 17; Gaz. vol. 199; p. 701.
- Car, Mine-. W. D. Stockly. No. 1,108,808; Aug. 25; Gaz. vol. 205; p. 1264.
- Car, Monorail-. H. W. Brown. No. 1,086,890; Feb. 10; Gaz. vol. 199; p. 504.
- Car, Monorail-. G. T. Lewis. No. 1,091,853; Mar. 31; Gaz. vol. 200; p. 1255.
- Car, Motor-. E. Grindel. No. 1,091,745; Mar. 31; Gaz. vol. 200; p. 1216.
- Car, Motor-. J. Ratzlaff and D. E. Reed. No. 1,091,962; Mar. 31; Gaz. vol. 200; p. 1292.
- Car, Motor-. D. P. Sanders. No. 1,087,832; Feb. 17; Gaz. vol. 199; p. 879.
- Car, Motor-. L. J. Waite. No. 1,123,042; Dec. 29; Gaz. vol. 209; p. 1600.
- Car, Motor-driven rural mail-. A. T. Kelsey. No. 1,115,207; Oct. 27; Gaz. vol. 207; p. 1118.
- Car-mover. W. L. Chittum. (Reissue.) No. 13,734; May 26; Gaz. vol. 202; p. 1225.
- Car, One-rail. J. McGlinsey and W. A. Trimble. No. 1,097,104; May 19; Gaz. vol. 202; p. 739.
- Car or locomotive brake. R. E. Noble. No. 1,107,178; Aug. 11; Gaz. vol. 205; p. 600.
- Car, Passenger-. P. N. Jones. No. 1,096,174; May 12; Gaz. vol. 202; p. 376.
- Car, Passenger-. R. T. Senter. No. 1,105,704; Aug. 4; Gaz. vol. 205; p. 42.
- Car-platform auxiliary step. J. R. Kunzelman. No. 1,089,481; Mar. 10; Gaz. vol. 200; p. 324.
- Car-platform-buffing mechanism. C. T. Westlake and C. F. Frede. No. 1,086,573; Feb. 10; Gaz. vol. 199; p. 393.
- Car platform-steps, Railway-passenger-. R. W. Kendall. No. 1,102,342; July 7; Gaz. vol. 204; p. 42.
- Car platforms, Trap-door for railway-. R. T. Axe. No. 1,094,385; Apr. 21; Gaz. vol. 201; p. 840.
- Car platforms, Trap-door for railway-. R. T. Axe. No. 1,119,784; Dec. 1; Gaz. vol. 209; p. 302.
- Car, Poultry-. E. D. Davis. No. 1,099,119; June 2; Gaz. vol. 203; p. 254.
- Car, Power-driven railway-. C. M. Manly and W. B. Morton. No. 1,109,239; Sept. 1; Gaz. vol. 206; p. 136.
- Car, Prepay-. F. P. Maize. No. 1,083,845; Jan. 6; Gaz. vol. 198; p. 191.
- Car-protection device, Motor-. A. Palis. No. 1,107,832; Aug. 18; Gaz. vol. 205; p. 879.
- Car-pusher. C. Mays. No. 1,105,525; July 28; Gaz. vol. 204; p. 1285.
- Car, Railway-. W. S. Atwood and F. Ditchfield. No. 1,085,099; Jan. 27; Gaz. vol. 198; p. 709.
- Car, Railway-. J. R. Cardwell. No. 1,106,129; Aug. 4; Gaz. vol. 205; p. 192.
- Car, Railway-. W. A. Caswell. No. 1,093,828; Apr. 21; Gaz. vol. 201; p. 657.
- Car, Railway-. F. J. Gilroy. No. 1,118,277; Nov. 24; Gaz. vol. 208; p. 1098.
- Car, Railway-. J. Lindall. No. 1,097,808; May 26; Gaz. vol. 202; p. 1029.
- Car, Railway-. J. Lindall. No. 1,110,394; Sept. 15; Gaz. vol. 206; p. 627.
- Car, Railway-. F. J. McNulty. No. 1,084,653; Jan. 20; Gaz. vol. 198; p. 520.
- Car, Railway-. F. X. Mudd. No. 1,084,950; Jan. 20; Gaz. vol. 198; p. 622.
- Car, Railway-. J. O. Neikirk. No. 1,098,748; June 2; Gaz. vol. 203; p. 133.
- Car, Railway-. J. O. Neikirk. No. 1,112,644; Oct. 6; Gaz. vol. 207; p. 83.
- Car, Railway-. J. W. Spaur. No. 1,098,989; June 2; Gaz. vol. 203; p. 214.
- Car, Railway-. A. W. Sullivan and W. Renshaw. No. 1,090,174; Mar. 17; Gaz. vol. 200; p. 604.
- Car, Railway-. V. M. Summa. No. 1,109,605; Sept. 1; Gaz. vol. 206; p. 262.
- Car, Railway-. J. H. Wood, Jr. No. 1,101,110; June 23; Gaz. vol. 203; p. 1076.
- Car, Railway construction-. W. R. Bell. No. 1,089,306; Mar. 3; Gaz. vol. 200; p. 215.
- Car, Railway tank-. E. Posson. No. 1,095,350; May 5; Gaz. vol. 202; p. 61.
- Car refrigerating apparatus, Railway-. T. H. Garland. No. 1,121,240; Dec. 15; Gaz. vol. 209; p. 898.
- Car-replacer. R. E. Alexander. No. 1,114,711; Oct. 20; Gaz. vol. 207; p. 887.
- Car-replacer. F. K. Bruce. No. 1,112,519; Oct. 6; Gaz. vol. 207; p. 38.
- Car-replacer. H. and S. Denison. No. 1,092,635; Apr. 7; Gaz. vol. 201; p. 178.
- Car-replacer. E. J. Fink. No. 1,095,627; May 5; Gaz. vol. 202; p. 155.
- Car-replacer. L. H. Ledbetter. No. 1,119,704; Dec. 1; Gaz. vol. 209; p. 276.

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- Car-replacer. F. D. McGinley and G. Laycock. No. 1,119,850; Dec. 8; Gaz. vol. 209; p. 361.
- Car-replacer. C. H. Sisson and S. P. Kelch. No. 1,121,301; Dec. 15; Gaz. vol. 209; p. 919.
- Car-replacer. Z. B. Smith. No. 1,109,369; Sept. 1; Gaz. vol. 206; p. 183.
- Car-replacer. E. B. Wright. No. 1,093,960; Apr. 21; Gaz. vol. 201; p. 700.
- Car-replacing device. W. F. Desso. No. 1,106,864; Aug. 11; Gaz. vol. 205; p. 491.
- Car retaining mechanism, Railway-. A. Burtosky. No. 1,112,520; Oct. 6; Gaz. vol. 207; p. 38.
- Car roller side bearing, Railway-. J. F. O'Connor. No. 1,096,939; May 19; Gaz. vol. 202; p. 681.
- Car-roof. L. T. Canfield. No. 1,084,604; Jan. 20; Gaz. vol. 198; p. 503.
- Car-roof. H. A. Christy. No. 1,112,053; Sept. 29; Gaz. vol. 206; p. 1281.
- Car-roof. R. C. Dudley. No. 1,109,324; Sept. 1; Gaz. vol. 206; p. 166.
- Car-roof. C. C. Dufour. No. 1,116,037; Nov. 3; Gaz. vol. 208; p. 195.
- Car-roof. D. W. Hawsworth. No. 1,089,553; Mar. 10; Gaz. vol. 200; p. 349.
- Car-roof. D. W. Hawsworth. No. 1,089,554; Mar. 10; Gaz. vol. 200; p. 349.
- Car-roof. D. W. Hawsworth. No. 1,089,555; Mar. 10; Gaz. vol. 200; p. 350.
- Car-roof. D. W. Hawsworth. No. 1,101,848; June 30; Gaz. vol. 203; p. 1381.
- Car-roof. D. W. Hawsworth. No. 1,122,498; Dec. 29; Gaz. vol. 209; p. 1403.
- Car-roof. J. J. Hoffman. No. 1,086,915; Feb. 10; Gaz. vol. 199; p. 511.
- Car-roof. J. J. Hoffman. No. 1,092,485; Apr. 7; Gaz. vol. 201; p. 126.
- Car-roof. J. J. Hoffman. No. 1,114,987; Oct. 27; Gaz. vol. 207; p. 1038.
- Car-roof. J. L. Mohun. No. 1,119,304; Dec. 1; Gaz. vol. 209; p. 138.
- Car-roof. W. P. Murphy. No. 1,115,090; Oct. 27; Gaz. vol. 207; p. 1075.
- Car-roof. W. J. Owen. No. 1,093,201; Apr. 14; Gaz. vol. 201; p. 405.
- Car-roof. C. F. Pape. No. 1,122,414; Dec. 29; Gaz. vol. 209; p. 1378.
- Car-roof. J. Pearson. No. 1,105,828; Aug. 4; Gaz. vol. 205; p. 85.
- Car-roof. C. Phillips. No. 1,096,944; May 19; Gaz. vol. 202; p. 683.
- Car-roof. H. Pries. No. 1,085,158; Jan. 27; Gaz. vol. 198; p. 729.
- Car-roof. T. N. Russell. No. 1,103,085; July 14; Gaz. vol. 204; p. 346.
- Car-roof. J. J. Tatum. No. 1,087,408; Feb. 17; Gaz. vol. 199; p. 732.
- Car-roof. W. D. Thompson. No. 1,101,820; June 30; Gaz. vol. 203; p. 1371.
- Car-roof. W. D. Thompson and D. W. Hawsworth. No. 1,089,604; Mar. 10; Gaz. vol. 200; p. 367.
- Car-roof. F. M. Whyte. No. 1,101,824; June 30; Gaz. vol. 203; p. 1373.
- Car-roof attachment. G. Frentzen. No. 1,087,753; Feb. 17; Gaz. vol. 199; p. 853.
- Car-roof carline. J. A. Costello. No. 1,114,707; Oct. 20; Gaz. vol. 207; p. 885.
- Car-roof construction. F. Jager. No. 1,084,638; Jan. 20; Gaz. vol. 198; p. 516.
- Car-roof construction. F. Jager. No. 1,120,502; Dec. 8; Gaz. vol. 209; p. 592.
- Car-roof frame. W. S. Bidle and J. A. Costello. No. 1,084,128; Jan. 13; Gaz. vol. 198; p. 319.
- Car-roof, Metal. J. J. Hoffman. No. 1,092,484; Apr. 7; Gaz. vol. 201; p. 126.
- Car-roof, Metal. F. Jager. No. 1,121,842; Dec. 22; Gaz. vol. 209; p. 1145.
- Car-roof parts, Manufacturing sheet-metal. J. J. Hoffman. No. 1,092,486; Apr. 7; Gaz. vol. 201; p. 126.
- Car-roof structure. J. L. Mohun. No. 1,119,305; Dec. 1; Gaz. vol. 209; p. 139.
- Car-roofs, Saddle-block for. H. Pries. No. 1,086,556; Feb. 10; Gaz. vol. 199; p. 386.
- Car running-board. I. S. Downing. No. 1,085,196; Jan. 27; Gaz. vol. 198; p. 742.
- Car safety appliance, Railway-. C. M. Mock and A. U. Gerber. No. 1,086,069; Feb. 3; Gaz. vol. 199; p. 176.
- Car safety appliance, Railway-. C. M. Mock and A. U. Gerber. No. 1,086,070; Feb. 3; Gaz. vol. 199; p. 177.
- Car safety appliance, Railway-. C. M. Mock and A. U. Gerber. No. 1,102,784; July 7; Gaz. vol. 204; p. 196.
- Car safety attachment, Railway-. B. Hoover. No. 1,093,854; Apr. 21; Gaz. vol. 201; p. 665.
- Car safety device, Electric-. J. E. Henderson. No. 1,094,564; Apr. 28; Gaz. vol. 201; p. 963.
- Car safety device, Pleasure-railway-. L. A. Thompson. No. 1,102,822; July 7; Gaz. vol. 204; p. 210.
- Car-seat. F. Bennett. No. 1,113,402; Oct. 13; Gaz. vol. 207; p. 388.
- Car-seat. E. G. Budd. No. 1,096,678; May 12; Gaz. vol. 202; p. 547.
- Car-seat. G. Steinbeck. No. 1,096,518; May 12; Gaz. vol. 202; p. 494.
- Car-seat-locking device. W. S. Adams. No. 1,121,443; Dec. 15; Gaz. vol. 209; p. 969.
- Car-seat spring. P. G. Leistner. No. 1,087,247; Feb. 17; Gaz. vol. 199; p. 677.
- Car-seats, Grip-handle for. F. Bennett. No. 1,113,403; Oct. 13; Gaz. vol. 207; p. 389.
- Car-seats, Head-rest for. C. R. Saunders. No. 1,083,633; Jan. 6; Gaz. vol. 198; p. 124.
- Car side. W. E. Fowler, Sr. No. 1,093,839; Apr. 21; Gaz. vol. 201; p. 660.
- Car side. C. F. Murray. No. 1,093,876; Apr. 21; Gaz. vol. 201; p. 672.
- Car side bearing, Railway-. H. E. Doerr. No. 1,095,715; May 5; Gaz. vol. 202; p. 185.
- Car side bearing, Railway-. E. A. Le Beau. No. 1,106,824; Aug. 11; Gaz. vol. 205; p. 477.
- Car side bearing, Railway-. W. E. Wine. No. 1,114,214; Oct. 20; Gaz. vol. 207; p. 713.
- Car side, Boltless. W. E. Fowler, Sr. No. 1,093,840; Apr. 21; Gaz. vol. 201; p. 660.
- Car side-post construction. A. H. Sisson. No. 1,112,857; Oct. 6; Gaz. vol. 207; p. 156.
- Car, Side-recess-entrance. C. H. Van Leuven. No. 1,093,000; May 26; Gaz. vol. 202; p. 1098.
- Car-sills, Splice-joint for. J. Y. Satterwhite. No. 1,094,682; Apr. 28; Gaz. vol. 201; p. 1006.
- Car, Sleeping-. E. E. Tait. No. 1,083,640; Jan. 6; Gaz. vol. 198; p. 126.
- Car-stake. H. A. Fayssoux. No. 1,092,032; Mar. 31; Gaz. vol. 200; p. 1313.
- Car-stake. W. Houghton. No. 1,101,185; June 23; Gaz. vol. 203; p. 1102.
- Car-stake. J. Mittermeyer. No. 1,087,133; Feb. 17; Gaz. vol. 199; p. 636.
- Car-stake. T. M. Schmitz. No. 1,085,495; Jan. 27; Gaz. vol. 198; p. 843.
- Car-stake. T. M. Schmitz. No. 1,085,583; Jan. 27; Gaz. vol. 198; p. 873.
- Car-stake holder. R. Laframboise. No. 1,115,688; Nov. 3; Gaz. vol. 208; p. 76.
- Car, Steel box-. R. V. Sage. No. 1,092,456; Apr. 7; Gaz. vol. 201; p. 115.
- Car-step. F. D. Blake. No. 1,122,063; Dec. 22; Gaz. vol. 209; p. 1223.
- Car-step. G. W. Hersey. No. 1,090,534; Mar. 17; Gaz. vol. 200; p. 731.
- Car-step attachment. S. G. Davis. No. 1,095,086; Apr. 28; Gaz. vol. 201; p. 1145.
- Car-step, Auxiliary. E. F. McGee. No. 1,120,958; Dec. 15; Gaz. vol. 209; p. 800.
- Car-step, Double-folding. W. G. Cory. No. 1,103,008; July 7; Gaz. vol. 204; p. 273.
- Car-step, Double-folding. W. G. Cory. No. 1,120,284; Dec. 8; Gaz. vol. 209; p. 514.
- Car-step, Extensible. J. P. Deimling. No. 1,088,681; Mar. 3; Gaz. vol. 200; p. 4.
- Car-step, Extension. J. R. Barber. No. 1,106,614; Aug. 11; Gaz. vol. 205; p. 405.
- Car-step, Extension. B. Gussette. No. 1,093,617; Apr. 21; Gaz. vol. 201; p. 584.
- Car-step, Extension. L. A. Hanson. No. 1,096,837; May 19; Gaz. vol. 202; p. 644.
- Car-step, Extension. B. E. Herrin. No. 1,109,224; Sept. 1; Gaz. vol. 206; p. 131.
- Car-step, Extension. J. E. Jones. No. 1,103,146; July 14; Gaz. vol. 204; p. 369.
- Car-step, Extension. J. Nelson. No. 1,098,049; May 26; Gaz. vol. 202; p. 1115.
- Car-step, Foldable or extensible. H. D. Kirkley. No. 1,107,170; Aug. 11; Gaz. vol. 205; p. 597.
- Car-step, Folding. D. L. Miller, F. T. Lobach, and C. F. Peters. No. 1,104,374; July 21; Gaz. vol. 204; p. 834.
- Car-step, Folding. J. F. White. No. 1,112,182; Sept. 29; Gaz. vol. 206; p. 1326.
- Car step, Freight-. M. A. Green. No. 1,104,661; July 21; Gaz. vol. 204; p. 934.
- Car-step-operating system. F. D. Blake. No. 1,089,106; Mar. 3; Gaz. vol. 200; p. 148.
- Car-step, Supplemental. J. B. Gardner. No. 1,117,368; Nov. 17; Gaz. vol. 208; p. 742.
- Car-step, Trap-door-operated. J. P. Deimling. No. 1,114,679; Oct. 20; Gaz. vol. 207; p. 875.
- Car-steps, Adjustable. S. Cothron. No. 1,102,006; June 30; Gaz. vol. 203; p. 1438.
- Car, Stock-. W. Kaylor. No. 1,087,779; Feb. 17; Gaz. vol. 199; p. 862.
- Car stop and derailer, Automatic. B. N. Davis. No. 1,102,882; July 7; Gaz. vol. 204; p. 230.
- Car-stopper. J. Pivarchy. No. 1,122,153; Dec. 22; Gaz. vol. 209; p. 1251.
- Car-stopping apparatus, Motor-. H. C. Ruf. No. 1,121,404; Dec. 15; Gaz. vol. 209; p. 955.
- Car, Street-. C. F. Damm. No. 1,092,978; Apr. 14; Gaz. vol. 201; p. 327.
- Car, Street-. F. Hedley and J. S. Doyle. No. 1,085,255; Jan. 27; Gaz. vol. 198; p. 764.

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- Car, Street-railway. A. Newton. No. 1,117,692; Nov. 17; Gaz. vol. 208; p. 856.
- Car, Street-railway and other. W. S. Menden. No. 1,085,149; Jan. 27; Gaz. vol. 198; p. 726.
- Car, Street-railway and other. W. S. Menden. No. 1,094,805; Apr. 28; Gaz. vol. 201; p. 1049.
- Car street-register. R. Q. Wilson. No. 1,114,324; Oct. 20; Gaz. vol. 207; p. 751.
- Car structure. B. D. Jones. No. 1,114,000; Oct. 20; Gaz. vol. 207; p. 636.
- Car structure. C. A. Shoemaker. No. 1,101,213; June 23; Gaz. vol. 203; p. 1113.
- Car support, Motor-. C. W. Schubert. No. 1,099,471; June 9; Gaz. vol. 203; p. 421.
- Car-supporting arrangement. M. F. Schoenberger. No. 1,093,977; Apr. 21; Gaz. vol. 201; p. 705.
- Car, Tank-. L. E. Allyn and G. T. Turner. No. 1,097,961; May 26; Gaz. vol. 202; p. 1085.
- Car, Tank-. L. T. Canfield. No. 1,106,697; Aug. 11; Gaz. vol. 205; p. 432.
- Car, Tank-. C. H. Coyle. No. 1,089,535; Mar. 10; Gaz. vol. 200; p. 344.
- Car, Tank-. M. Epstein. No. 1,096,497; May 12; Gaz. vol. 202; p. 487.
- Car, Tank-. C. Flinn. No. 1,122,378; Dec. 29; Gaz. vol. 209; p. 1367.
- Car, Tank-. M. A. Garrett. No. 1,087,939; Feb. 24; Gaz. vol. 199; p. 962.
- Car, Tank-. A. E. Ostrander. No. 1,097,928; May 26; Gaz. vol. 202; p. 1073.
- Car, Tank-. A. E. Ostrander. No. 1,097,930; May 26; Gaz. vol. 202; p. 1073.
- Car, Tank-. A. E. Smith. No. 1,093,737; Apr. 21; Gaz. vol. 201; p. 626.
- Car, Tank-. A. E. Smith. No. 1,100,405; June 16; Gaz. vol. 203; p. 781.
- Car, Tilt-. J. J. Hammen. No. 1,092,355; Apr. 7; Gaz. vol. 201; p. 80.
- Car track-gage attachment, Hand-. P. E. Cauthorn. No. 1,110,894; Sept. 15; Gaz. vol. 206; p. 804.
- Car, Track-laying. W. A. Darden. No. 1,097,006; May 19; Gaz. vol. 202; p. 703.
- Car, Tram-. C. W. Mallins. No. 1,104,812; July 28; Gaz. vol. 204; p. 1035.
- Car, Tram-. C. W. Mallins. No. 1,104,813; July 28; Gaz. vol. 204; p. 1035.
- Car trap-doors, Hinge mechanism for railway-. R. T. Axe. No. 1,113,935; Oct. 13; Gaz. vol. 207; p. 574.
- Car-uncoupling device. L. S. Quensel. No. 1,085,940; Feb. 3; Gaz. vol. 199; p. 128.
- Car-uncoupling mechanism. A. J. Bazeley. No. 1,090,591; Mar. 17; Gaz. vol. 200; p. 751.
- Car-uncoupling mechanism. P. M. Beard. No. 1,123,165; Dec. 29; Gaz. vol. 209; p. 1645.
- Car underbody, Tank-. J. F. Ewell. No. 1,099,434; June 9; Gaz. vol. 203; p. 409.
- Car underbody, Tank-. J. F. Ewell. No. 1,107,053; Aug. 11; Gaz. vol. 205; p. 554.
- Car-underframe. J. Allison. No. 1,112,587; Oct. 6; Gaz. vol. 207; p. 64.
- Car-underframe. K. M. Hamilton. No. 1,097,800; May 26; Gaz. vol. 202; p. 1027.
- Car-underframe. B. Magor. No. 1,086,677; Feb. 10; Gaz. vol. 199; p. 428.
- Car-underframe. O. S. Pulliam. No. 1,106,110; Aug. 4; Gaz. vol. 205; p. 184.
- Car-underframe. O. S. Pulliam. No. 1,112,556; Oct. 6; Gaz. vol. 207; p. 51.
- Car underframe, Freight-. E. G. Chenoweth and J. J. Acker. No. 1,122,254; Dec. 29; Gaz. vol. 209; p. 1327.
- Car underframe, Railway-. C. F. Frede. No. 1,091,324; Mar. 24; Gaz. vol. 200; p. 1029.
- Car underframe, Railway-. H. R. Keithley. No. 1,104,903; July 28; Gaz. vol. 204; p. 1068.
- Car underframe, Tank-. H. C. Priebe. No. 1,111,491; Sept. 22; Gaz. vol. 206; p. 1051.
- Car underframe, Tank-. H. C. Priebe. No. 1,111,492; Sept. 22; Gaz. vol. 206; p. 1051.
- Car-unloading apparatus, Freight-. B. P. Saunders and O. Williams. No. 1,088,100; Feb. 24; Gaz. vol. 199; p. 1021.
- Car-ventilating means. C. A. Moore. No. 1,120,622; Dec. 8; Gaz. vol. 209; p. 635.
- Car-ventilator. G. C. Breidert. No. 1,099,838; June 9; Gaz. vol. 203; p. 545.
- Car-ventilator. G. C. Breidert. No. 1,113,302; Oct. 13; Gaz. vol. 207; p. 353.
- Car-ventilator. W. J. Fleming, Jr. No. 1,092,705; Apr. 7; Gaz. vol. 201; p. 200.
- Car-ventilator. A. H. Marden. No. 1,084,021; Jan. 13; Gaz. vol. 198; p. 282.
- Car-ventilator. J. E. Ward. No. 1,092,879; Apr. 14; Gaz. vol. 201; p. 294.
- Car ventilator, Railway-. T. Douglas. No. 1,116,576; Nov. 10; Gaz. vol. 208; p. 423.
- Car ventilator, Railway-. E. H. Gold. No. 1,105,645; Aug. 4; Gaz. vol. 205; p. 21.
- Car ventilator, Stock-. T. E. Lindsey. No. 1,110,447; Sept. 15; Gaz. vol. 206; p. 646.
- Car-vestibule curtain. J. H. Donaldson and B. T. Lewis. No. 1,119,499; Dec. 1; Gaz. vol. 209; p. 207.
- Car-vestibule diaphragm. W. H. Forsyth. (Reissue.) No. 13,669; Jan. 6; Gaz. vol. 198; p. 210.
- Car-vestibule diaphragm. W. H. Forsyth. No. 1,095,386; May 5; Gaz. vol. 202; p. 226.
- Car-vestibule diaphragm. S. W. Midgley. No. 1,095,909; May 5; Gaz. vol. 202; p. 249.
- Car-vestibule diaphragm. E. E. Whitmore. No. 1,095,761; May 5; Gaz. vol. 202; p. 201.
- Car-vestibule diaphragm. E. E. Whitmore. No. 1,095,762; May 5; Gaz. vol. 202; p. 202.
- Car vestibule, Street-railway-. W. A. Haller. No. 1,092,644; Apr. 7; Gaz. vol. 201; p. 181.
- Car, Weed-killing. I. F. Orton. No. 1,098,964; June 2; Gaz. vol. 203; p. 206.
- Car-wheel. R. K. Garfield and C. C. Brown. No. 1,119,945; Dec. 8; Gaz. vol. 209; p. 395.
- Car-wheel. G. Lilja. No. 1,116,898; Nov. 10; Gaz. vol. 208; p. 538.
- Car-wheel. G. E. McFadden. No. 1,104,208; July 21; Gaz. vol. 204; p. 776.
- Car-wheel. J. Slattery. No. 1,104,562; July 21; Gaz. vol. 204; p. 902.
- Car wheel and axle, Self-rolling mine-. W. H. Bines. No. 1,091,796; Mar. 31; Gaz. vol. 200; p. 1235.
- Car-wheel, Ball-bearing. J. A. Heckman. No. 1,097,430; May 19; Gaz. vol. 202; p. 855.
- Car-wheel-boring mills, Hub-facing attachment for. F. V. McDonnell. No. 1,090,739; Mar. 17; Gaz. vol. 200; p. 797.
- Car-wheel, Differential. A. W. Dowe. No. 1,109,116; Sept. 1; Gaz. vol. 206; p. 92.
- Car-wheel, Differential. H. H. Muggley. No. 1,108,867; Aug. 25; Gaz. vol. 205; p. 1286.
- Car-wheel flange, Renewable. F. W. Johansen. No. 1,086,669; Feb. 10; Gaz. vol. 199; p. 426.
- Car-wheel, Frictionless. B. B. Gunnoe. No. 1,115,309; Oct. 27; Gaz. vol. 207; p. 1152.
- Car-wheel guard. W. F. West. No. 1,091,409; Mar. 24; Gaz. vol. 200; p. 1056.
- Car-wheel guard, Street-. G. H. Putnam. No. 1,107,112; Aug. 11; Gaz. vol. 205; p. 573.
- Car-wheel lubricator, Pit-. G. Weinschenker. No. 1,089,169; Mar. 3; Gaz. vol. 200; p. 173.
- Car wheel, Mine-. W. H. Bines. No. 1,088,519; Feb. 24; Gaz. vol. 199; p. 1160.
- Car wheel, Mining-. A. B. Day. No. 1,109,906; Sept. 8; Gaz. vol. 206; p. 412.
- Car wheel, Mining-. A. B. Day. No. 1,117,344; Nov. 17; Gaz. vol. 208; p. 734.
- Car wheel, Mining-. H. W. Sanford. No. 1,104,549; July 21; Gaz. vol. 204; p. 897.
- Car wheel, Motor-. L. L. Lane. No. 1,113,449; Oct. 13; Gaz. vol. 207; p. 405.
- Car-wheel traction attachment. W. H. Fienhold. No. 1,122,377; Dec. 29; Gaz. vol. 209; p. 1367.
- Car-wheels and similar circular bodies, Apparatus for treating. S. S. Wales. No. 1,105,116; July 28; Gaz. vol. 204; p. 1140.
- Car-wheels, Apparatus for the manufacture of. J. M. Hansen. No. 1,087,583; Feb. 17; Gaz. vol. 199; p. 794.
- Car-wheels. Broken-flange detector for. E. A. McAleece. No. 1,101,462; June 23; Gaz. vol. 203; p. 1196.
- Car-wheels, Dies for reworking. J. M. Hansen. No. 1,087,582; Feb. 17; Gaz. vol. 199; p. 793.
- Car-wheels, Finishing. E. E. Slick. No. 1,111,622; Sept. 22; Gaz. vol. 206; p. 1096.
- Car-wheels, Making. S. P. Bush. No. 1,086,137; Feb. 3; Gaz. vol. 199; p. 200.
- Car-wheels, Making. S. P. Bush. No. 1,086,138; Feb. 3; Gaz. vol. 199; p. 200.
- Car-wheels, Making. S. P. Bush. No. 1,105,180; July 28; Gaz. vol. 204; p. 1161.
- Car-window. A. H. Newpher. No. 1,093,644; Apr. 21; Gaz. vol. 201; p. 594.
- Car-window construction. H. H. Schroyer. No. 1,097,677; May 26; Gaz. vol. 202; p. 982.
- Car-window guard. C. W. Kennon. No. 1,114,365; Oct. 20; Gaz. vol. 207; p. 765.
- Car-window moving and holding arrangement. A. Kirth. No. 1,084,862; Jan. 20; Gaz. vol. 198; p. 593.
- Car-window-opening device. J. Noreko. No. 1,094,863; Apr. 28; Gaz. vol. 201; p. 1070.
- Car-windows, Dust-deflecting device for. R. A. Hammond. No. 1,083,536; Jan. 6; Gaz. vol. 198; p. 92.
- Car with articulated truck, Hopper-. J. M. Rohlfing. No. 1,109,600; Sept. 1; Gaz. vol. 206; p. 260.
- Car with movable top, Box-. S. Hartland. No. 1,099,361; June 9; Gaz. vol. 203; p. 385.
- Car-wrench. H. L. Flack. No. 1,093,388; Apr. 14; Gaz. vol. 201; p. 469.
- Cars, Adjustable deck for stock-. R. H. Clymer. No. 1,118,108; Nov. 24; Gaz. vol. 208; p. 1041.
- Cars and brakes, Cushioning device for air-cylinders of dumping-. W. D. Jones. No. 1,112,803; Oct. 6; Gaz. vol. 207; p. 137.
- Cars and grade-motors, Combined liquid-fuel control for motor-. J. G. Wallmann. No. 1,120,772; Dec. 15; Gaz. vol. 209; p. 735.

Alphabetical list of inventions—Continued.

- Cars and other buildings, Lining for railway. R. J. Evans. No. 1,116,351; Nov. 3; Gaz. vol. 208; p. 301.
- Cars and other motors or vehicles, Driving means for hand-. R. Zertuche. No. 1,111,205; Sept. 22; Gaz. vol. 206; p. 954.
- Cars and other vehicles, Spring-suspension arrangement of motor-. G. H. Norman. No. 1,096,938; May 19; Gaz. vol. 202; p. 681.
- Cars and similar structures, Trap-door for railway-. R. T. Axe and O. M. Edwards. No. 1,090,092; Mar. 10; Gaz. vol. 200; p. 534.
- Cars and similar structures, Trap-door for railway-. O. M. Edwards. No. 1,119,940; Dec. 8; Gaz. vol. 209; p. 393.
- Cars and similar structures, Water-tight, sanitary floor for. J. E. Meek. No. 1,091,073; Mar. 24; Gaz. vol. 200; p. 945.
- Cars and the like, Method of and means for bracing the contents of. E. E. Koehler. No. 1,088,347; Feb. 24; Gaz. vol. 199; p. 1104.
- Cars and the like, Safety attachment for street-. T. G. Samuel. No. 1,097,472; May 19; Gaz. vol. 202; p. 867.
- Cars, Anticlimber for passenger-. C. A. Lindström. No. 1,097,655; May 26; Gaz. vol. 202; p. 974.
- Cars, Antifriction-bearing for railway-. E. S. Woods. No. 1,096,210; May 12; Gaz. vol. 202; p. 387.
- Cars, Attachment for railway-. D. W. Donohue and A. B. Tachell. No. 1,119,935; Dec. 8; Gaz. vol. 209; p. 391.
- Cars, Automatic air and steam coupling attachment for railway-. H. Videbak. No. 1,084,586; Jan. 13; Gaz. vol. 198; p. 470.
- Cars, Automatic air-brake hose-coupling for. E. J. Bricker. No. 1,112,973; Oct. 6; Gaz. vol. 207; p. 195.
- Cars, Automatic coupling for railway-. T. J. Futrell. No. 1,122,098; Dec. 22; Gaz. vol. 209; p. 1234.
- Cars, Automatic pipe-line coupling for. G. W. Kuehn. No. 1,098,269; May 26; Gaz. vol. 202; p. 1191.
- Cars, Automatic stop and trip for. D. E. Host, E. W. Bower, and R. H. Gordon. No. 1,098,153; May 26; Gaz. vol. 202; p. 1150.
- Cars, Bag-rack for postal. S. N. Peck. No. 1,098,396; June 2; Gaz. vol. 203; p. 13.
- Cars, Banana-rack for. B. S. Duffy. No. 1,106,288; Aug. 4; Gaz. vol. 205; p. 242.
- Cars, Brake head and shoe for freight-. G. F. Hartman. No. 1,116,271; Nov. 3; Gaz. vol. 208; p. 274.
- Cars, Building railway-. C. F. Murray. No. 1,091,693; Mar. 31; Gaz. vol. 200; p. 1198.
- Cars, Card for railway-. D. S. McEwing. No. 1,090,928; Mar. 24; Gaz. vol. 200; p. 894.
- Cars, Child's crib or berth attachment for railway-. L. W. Geerekey. No. 1,090,705; Mar. 17; Gaz. vol. 200; p. 787.
- Cars, Clothes-rack for sleeping-. F. W. Wallace. No. 1,111,199; Sept. 22; Gaz. vol. 206; p. 952.
- Cars, Combination door and door-step for platforms of. E. M. Moller. No. 1,102,287; July 7; Gaz. vol. 204; p. 23.
- Cars, Conductor's or cashier's collection-counter for. F. Hedley and J. S. Doyle. No. 1,119,509; Dec. 1; Gaz. vol. 209; p. 210.
- Cars, Cushioning means for railway-. W. B. Lane. No. 1,087,305; Feb. 17; Gaz. vol. 199; p. 696.
- Cars, Cyclometer attachment for wheels of rail-. F. W. Hild. No. 1,113,785; Oct. 13; Gaz. vol. 207; p. 522.
- Cars, Door-actuating mechanism for general-service. W. E. Morey. No. 1,122,978; Dec. 29; Gaz. vol. 209; p. 1578.
- Cars, Door-sill extension for subway-. C. M. Swedberg. No. 1,112,235; Sept. 29; Gaz. vol. 206; p. 1346.
- Cars, Drop-door rigging for hopper-. C. C. T. Willson. No. 1,095,443; May 5; Gaz. vol. 202; p. 92.
- Cars, Electric conductor for trolley-. J. Scott. No. 1,104,225; July 21; Gaz. vol. 204; p. 782.
- Cars, Electrical system for transferring. T. F. Mullaney. No. 1,097,136; May 19; Gaz. vol. 202; p. 751.
- Cars, Electrical system for transferring. T. F. Mullaney. No. 1,097,137; May 19; Gaz. vol. 202; p. 751.
- Cars, Emergency stopping device for motor-. H. M. Spencer. No. 1,094,756; Apr. 28; Gaz. vol. 201; p. 1033.
- Cars, Extensible platform for railway-. E. H. Sickels. No. 1,095,741; May 5; Gaz. vol. 202; p. 194.
- Cars, Extensible trap for railway-. E. H. Sickels. No. 1,083,762; Jan. 6; Gaz. vol. 198; p. 167.
- Cars, Extension-step for railway-. T. F. Hardiman. No. 1,092,044; Mar. 31; Gaz. vol. 200; p. 1317.
- Cars, Friction-buffer for railway-. C. E. Dath. No. 1,120,290; Dec. 8; Gaz. vol. 209; p. 516.
- Cars, Hand-brake for railway-. C. C. Bolen. No. 1,084,247; Jan. 13; Gaz. vol. 198; p. 360.
- Cars, Hanger-strap or handhold for. J. F. Newton, Jr. No. 1,112,157; Sept. 29; Gaz. vol. 206; p. 1318.
- Cars, Haulage device for mine-. L. Koselak. No. 1,101,635; June 30; Gaz. vol. 203; p. 1309.
- Cars, Lateral-motion roller-bearing for. L. W. Barber and E. W. Webb. No. 1,090,266; Mar. 17; Gaz. vol. 200; p. 636.
- Cars, Lavatory equipment for passenger-. H. H. Vaughan. No. 1,122,444; Dec. 29; Gaz. vol. 209; p. 1389.
- Cars, Means for cushioning the bodies of railway-. W. P. Bettendorf. No. 1,091,183; Mar. 24; Gaz. vol. 200; p. 984.
- Cars, Means for dumping mine-. H. V. Frye. No. 1,091,826; Mar. 31; Gaz. vol. 200; p. 1246.
- Cars, Means for uncoupling mine-. G. P. Payne. No. 1,087,976; Feb. 24; Gaz. vol. 199; p. 977.
- Cars, Metal end structure for railway-. W. P. Murphy. No. 1,117,223; Nov. 17; Gaz. vol. 208; p. 691.
- Cars, Mower attachment for. E. H. Habick. No. 1,099,296; June 9; Gaz. vol. 203; p. 360.
- Cars, Mower attachment for. E. H. Habick. No. 1,106,650; Aug. 11; Gaz. vol. 205; p. 417.
- Cars on mine-cages, Means for holding. C. W. Parsons. No. 1,118,510; Nov. 24; Gaz. vol. 208; p. 1182.
- Cars operating on slippery rails, Automatic control and sanding device for. J. S. Doyle. No. 1,121,988; Dec. 22; Gaz. vol. 209; p. 1196.
- Cars or other vehicles, Locking device for motor-. M. J. Grémillet. No. 1,106,556; Aug. 11; Gaz. vol. 205; p. 383.
- Cars or trains, Apparatus for the control of railway. P. Utne. No. 1,105,317; July 28; Gaz. vol. 204; p. 1211.
- Cars or trains, Apparatus for the control of railway. P. Utne. No. 1,110,412; Sept. 15; Gaz. vol. 206; p. 633.
- Cars or trains, Time-controlled coasting-indicating device for. W. A. and C. W. Hall. No. 1,116,418; Nov. 10; Gaz. vol. 208; p. 365.
- Cars or vehicles along a railway and the control thereof, Apparatus for governing the passage of. H. A. Wallace. No. 1,102,831; July 7; Gaz. vol. 204; p. 213.
- Cars, Outside flush door for box-. T. F. Barton. No. 1,087,346; Feb. 17; Gaz. vol. 199; p. 710.
- Cars, Outside metal roof for. E. Posson. No. 1,112,318; Sept. 29; Gaz. vol. 206; p. 1374.
- Cars, Pipe-line coupling for railway-. W. H. Wyvill and J. A. Talbott. No. 1,093,676; Apr. 21; Gaz. vol. 201; p. 606.
- Cars, Pivot-bearing for railway-. H. E. Petty. No. 1,089,260; Mar. 3; Gaz. vol. 200; p. 200.
- Cars, Protection device for street-. E. E. F. Creighton. No. 1,119,576; Dec. 1; Gaz. vol. 209; p. 234.
- Cars, Releaseable stake for lumber-. F. I. Martin. No. 1,122,966; Dec. 29; Gaz. vol. 209; p. 1573.
- Cars, Removable deck-screen for steel passenger-. L. C. Sparks and A. W. L. Hartbauer. No. 1,097,948; May 26; Gaz. vol. 202; p. 1080.
- Cars, Resilient platform for street-. A. H. Larson. No. 1,122,956; Dec. 29; Gaz. vol. 209; p. 1569.
- Cars, Roller center-bearing for. J. C. Barber. No. 1,090,265; Mar. 17; Gaz. vol. 200; p. 636.
- Cars, Running-board structure of box-. N. Drolson. No. 1,113,888; Oct. 13; Gaz. vol. 207; p. 559.
- Cars, Safety poling-pocket for railway-. H. W. Blood. No. 1,119,568; Dec. 1; Gaz. vol. 209; p. 231.
- Cars, Safety-turret for express-. E. A. Strattman. No. 1,119,468; Dec. 1; Gaz. vol. 209; p. 195.
- Cars, Speed control for motor-. S. K. Evans. No. 1,083,525; Jan. 6; Gaz. vol. 198; p. 88.
- Cars, Stake socket and seat for bunk-. C. E. Hysore. No. 1,102,151; June 30; Gaz. vol. 203; p. 1489.
- Cars, Start and stop signal for railway-. R. H. Cartmell. No. 1,120,025; Dec. 8; Gaz. vol. 209; p. 423.
- Cars, Steering-wheel for motor-. T. W. McKenzie. No. 1,104,524; July 21; Gaz. vol. 204; p. 888.
- Cars, Street and station indicator for. A. Fernandez. No. 1,089,197; Mar. 3; Gaz. vol. 200; p. 182.
- Cars, Tail-gate for dump-. C. W. Stickler. No. 1,105,464; July 28; Gaz. vol. 204; p. 1265.
- Cars, Tandem draft-rigging for railway-. J. F. O'Connor. No. 1,105,577; July 28; Gaz. vol. 204; p. 1303.
- Cars, Train of passenger-. L. Newman. No. 1,114,906; Oct. 27; Gaz. vol. 207; p. 1010.
- Cars, Trap-door for the vestibules of railway-. R. T. Axe. No. 1,098,310; May 26; Gaz. vol. 202; p. 1205.
- Cars, Trip mechanism for pit-. H. Boltendahl. No. 1,115,382; Oct. 27; Gaz. vol. 207; p. 1175.
- Cars, Underbody for tank-. J. F. Ewell. No. 1,119,261; Dec. 1; Gaz. vol. 209; p. 124.
- Cars, Unit-section sheathing for. F. M. Brinckerhoff. No. 1,090,595; Mar. 17; Gaz. vol. 200; p. 752.
- Cars, Unit-section side frame for. F. M. Brinckerhoff. No. 1,090,594; Mar. 17; Gaz. vol. 200; p. 751.
- Cars, Vapor heating system for railway-. E. H. Gold. No. 1,084,797; Jan. 20; Gaz. vol. 198; p. 572.
- Cars, Vestibule-diaphragm for railway passenger-. E. A. Schreiber. No. 1,104,938; July 28; Gaz. vol. 204; p. 1079.
- Cars, Watering device for stock-. H. P. McFarland. No. 1,117,512; Nov. 17; Gaz. vol. 208; p. 792.
- Cars, Wrench for operating drop-bottom. C. W. Rice. No. 1,113,248; Oct. 13; Gaz. vol. 207; p. 334.
- Carbamic-acid ester of dichlorhydrin, Manufacturing the. B. Beckmann. No. 1,108,676; Aug. 25; Gaz. vol. 205; p. 1219.
- Carbid-receptacle indicator. W. F. Shaw. No. 1,119,545; Dec. 1; Gaz. vol. 209; p. 223.
- Carbon, Apparatus for graphitizing. P. L. T. Héroult. No. 1,084,274; Jan. 13; Gaz. vol. 198; p. 367.

Alphabetical list of inventions—Continued.

- Carbon, Arc-light. H. Ayrton. No. 1,115,480; Nov. 3; Gaz. vol. 208; p. 4.
- Carbon articles and closing laminations and seams therein, Compressing baked. J. W. Brown. No. 1,121,792; Dec. 22; Gaz. vol. 209; p. 1126.
- Carbon brush. R. F. Hausen. No. 1,104,115; July 21; Gaz. vol. 204; p. 744.
- Carbon brush and pigtail. W. L. Bliss. No. 1,112,191; Sept. 29; Gaz. vol. 206; p. 1329.
- Carbon-destroyer. A. A. Saxe. No. 1,119,458; Dec. 1; Gaz. vol. 209; p. 192.
- Carbon-dioxid gage. E. A. Cunningham. No. 1,111,565; Sept. 22; Gaz. vol. 206; p. 1077.
- Carbon-holder, Screwless. W. W. Wile. No. 1,084,379; Jan. 13; Gaz. vol. 198; p. 401.
- Carbon monoxid and hydrogen, Making. R. H. Brownlee and R. H. Uhlinger. No. 1,107,582; Aug. 18; Gaz. vol. 205; p. 792.
- Carbon monoxid, hydrogen, and nitrogen, Making. R. H. Brownlee and R. H. Uhlinger. No. 1,107,581; Aug. 18; Gaz. vol. 205; p. 791.
- Carbon-remover. C. B. Longenecker. No. 1,101,646; June 30; Gaz. vol. 203; p. 1312.
- Carbon-scraper. R. E. Vail. No. 1,091,604; Mar. 31; Gaz. vol. 200; p. 1167.
- Carbon tetrachlorid, Making. C. J. Strosacker. No. 1,121,880; Dec. 22; Gaz. vol. 209; p. 1158.
- Carbon-tetrachlorid package. W. L. Harrison. No. 1,106,144; Aug. 4; Gaz. vol. 205; p. 196.
- Carbonaceous deposits, Composition for removing. E. R. Bule. No. 1,120,272; Dec. 8; Gaz. vol. 209; p. 510.
- Carbonating apparatus, Liquid. H. Lafkowitz. No. 1,119,615; Dec. 1; Gaz. vol. 209; p. 247.
- Carbonator. D. Erit. No. 1,085,554; Jan. 27; Gaz. vol. 198; p. 862.
- Carbonator. A. Koesche. No. 1,090,157; Mar. 17; Gaz. vol. 200; p. 598.
- Carbonator. P. E. Malmstrom. No. 1,114,780; Oct. 27; Gaz. vol. 207; p. 965.
- Carbonator and siphon-filler, Combined. P. E. Malmstrom. No. 1,100,980; June 23; Gaz. vol. 203; p. 1032.
- Carboy-holder. H. M. McCord. No. 1,094,669; Apr. 28; Gaz. vol. 201; p. 1002.
- Carboy-nose protector. F. E. Oliver. No. 1,108,214; Aug. 25; Gaz. vol. 205; p. 1060.
- Carbureter. G. A. F. Ahlberg. No. 1,104,762; July 28; Gaz. vol. 204; p. 1018.
- Carbureter. J. F. Andres. No. 1,106,070; Aug. 4; Gaz. vol. 205; p. 169.
- Carbureter. H. Austin. No. 1,085,003; Jan. 20; Gaz. vol. 198; p. 640.
- Carbureter. R. L. Barrett. No. 1,113,533; Oct. 13; Gaz. vol. 207; p. 436.
- Carbureter. H. R. Barrett and K. M. Wilson. No. 1,089,524; Mar. 10; Gaz. vol. 200; p. 340.
- Carbureter. F. Baverey. No. 1,099,277; June 9; Gaz. vol. 203; p. 353.
- Carbureter. A. C. Bennett. No. 1,103,930; July 21; Gaz. vol. 204; p. 682.
- Carbureter. W. A. Bentley. No. 1,096,989; May 19; Gaz. vol. 202; p. 698.
- Carbureter. E. A. Bessom and R. M. Anderson. No. 1,089,105; Mar. 3; Gaz. vol. 200; p. 148.
- Carbureter. C. and H. Binks. No. 1,122,571; Dec. 29; Gaz. vol. 209; p. 1433.
- Carbureter. E. G. Blackert. No. 1,122,572; Dec. 29; Gaz. vol. 209; p. 1433.
- Carbureter. R. W. A. Brewer and G. H. Jones. No. 1,097,787; May 26; Gaz. vol. 202; p. 1022.
- Carbureter. H. M. Brigham. No. 1,114,222; Oct. 20; Gaz. vol. 207; p. 716.
- Carbureter. G. W. A. Brown. No. 1,103,864; July 14; Gaz. vol. 204; p. 618.
- Carbureter. A. B. Browne. (Reissue.) No. 13,784; Aug. 4; Gaz. vol. 205; p. 265.
- Carbureter. A. B. Browne. No. 1,120,128; Dec. 8; Gaz. vol. 209; p. 459.
- Carbureter. J. Bruun. No. 1,095,622; May 5; Gaz. vol. 202; p. 153.
- Carbureter. M. Bucker. No. 1,118,917; Dec. 1; Gaz. vol. 209; p. 4.
- Carbureter. E. E. Bunn and E. O. Robinson. No. 1,107,489; Aug. 18; Gaz. vol. 205; p. 759.
- Carbureter. E. T. Bussian and H. H. Noble. No. 1,085,194; Jan. 27; Gaz. vol. 198; p. 742.
- Carbureter. W. A. Cahill. No. 1,084,693; Jan. 20; Gaz. vol. 198; p. 536.
- Carbureter. A. Canda. No. 1,118,919; Dec. 1; Gaz. vol. 209; p. 5.
- Carbureter. G. Christian. No. 1,110,041; Sept. 8; Gaz. vol. 206; p. 460.
- Carbureter. L. Cobb. No. 1,102,722; July 7; Gaz. vol. 204; p. 174.
- Carbureter. J. C. Collett. No. 1,095,384; May 5; Gaz. vol. 202; p. 71.
- Carbureter. G. B. Collier. No. 1,110,482; Sept. 15; Gaz. vol. 206; p. 658.
- Carbureter. J. W. Corser. No. 1,120,602; Dec. 8; Gaz. vol. 209; p. 628.
- Carbureter. C. E. Corson. No. 1,111,527; Sept. 22; Gaz. vol. 206; p. 1064.
- Carbureter. M. O. Crawford. No. 1,116,023; Nov. 3; Gaz. vol. 208; p. 191.
- Carbureter. H. M. L. Crouan. No. 1,106,192; Aug. 4; Gaz. vol. 205; p. 212.
- Carbureter. P. Daimler. No. 1,098,783; June 2; Gaz. vol. 203; p. 145.
- Carbureter. H. M. Dalton and C. M. Conklin. No. 1,087,218; Feb. 17; Gaz. vol. 199; p. 666.
- Carbureter. J. A. Davis. No. 1,091,426; Mar. 24; Gaz. vol. 200; p. 1061.
- Carbureter. B. Drysdale. No. 1,088,974; Mar. 3; Gaz. vol. 200; p. 104.
- Carbureter. R. A. Duff. No. 1,120,183; Dec. 8; Gaz. vol. 209; p. 478.
- Carbureter. R. A. Duff. No. 1,120,184; Dec. 8; Gaz. vol. 209; p. 479.
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- Carbureter. L. M. Dull. No. 1,122,703; Dec. 29; Gaz. vol. 209; p. 1481.
- Carbureter. T. B. Eiker. No. 1,103,178; July 14; Gaz. vol. 204; p. 381.
- Carbureter. A. F. Feller. No. 1,113,892; Oct. 13; Gaz. vol. 207; p. 560.
- Carbureter. C. Felske. No. 1,104,975; July 28; Gaz. vol. 204; p. 1092.
- Carbureter. C. V. Foulds. No. 1,116,581; Nov. 10; Gaz. vol. 208; p. 425.
- Carbureter. H. H. Frey. No. 1,119,076; Dec. 1; Gaz. vol. 209; p. 62.
- Carbureter. L. S. Gardner. No. 1,095,101; Apr. 28; Gaz. vol. 201; p. 1150.
- Carbureter. P. Gehrmann. No. 1,086,287; Feb. 3; Gaz. vol. 199; p. 247.
- Carbureter. W. M. Gentle. No. 1,099,547; June 9; Gaz. vol. 203; p. 447.
- Carbureter. P. J. Georgenson. No. 1,120,303; Dec. 8; Gaz. vol. 209; p. 520.
- Carbureter. W. Gillett. No. 1,101,736; June 30; Gaz. vol. 203; p. 1341.
- Carbureter. L. O. Gilliland and F. A. Sharpneck. No. 1,119,821; Dec. 8; Gaz. vol. 209; p. 352.
- Carbureter. J. S. Goldberg. No. 1,086,594; Feb. 10; Gaz. vol. 199; p. 400.
- Carbureter. J. S. Goldberg. No. 1,106,802; Aug. 11; Gaz. vol. 205; p. 468.
- Carbureter. J. S. Goldberg. No. 1,119,078; Dec. 1; Gaz. vol. 209; p. 63.
- Carbureter. J. S. Goldberg and H. C. Tillotson. No. 1,099,293; June 9; Gaz. vol. 203; p. 359.
- Carbureter. M. Goudard and M. Mennesson. No. 1,090,047; Mar. 10; Gaz. vol. 200; p. 518.
- Carbureter. C. R. Greuter. No. 1,113,551; Oct. 13; Gaz. vol. 207; p. 442.
- Carbureter. W. W. Hamill. No. 1,104,494; July 21; Gaz. vol. 204; p. 876.
- Carbureter. B. T. Hamilton. No. 1,111,224; Sept. 22; Gaz. vol. 206; p. 961.
- Carbureter. T. S. Hamilton. No. 1,099,086; June 2; Gaz. vol. 203; p. 243.
- Carbureter. E. Hanemann. No. 1,105,134; July 28; Gaz. vol. 204; p. 1145.
- Carbureter. R. W. Harroun. No. 1,118,126; Nov. 24; Gaz. vol. 208; p. 1048.
- Carbureter. J. T. Hazelton. No. 1,106,145; Aug. 4; Gaz. vol. 205; p. 196.
- Carbureter. V. R. Heftler. No. 1,096,626; May 12; Gaz. vol. 202; p. 530.
- Carbureter. F. H. Heitger. No. 1,090,208; Mar. 17; Gaz. vol. 200; p. 616.
- Carbureter. F. H. Heitger. No. 1,090,209; Mar. 17; Gaz. vol. 200; p. 616.
- Carbureter. G. M. Holley. No. 1,121,630; Dec. 22; Gaz. vol. 209; p. 1070.
- Carbureter. A. Howarth. No. 1,105,200; July 28; Gaz. vol. 204; p. 1168.
- Carbureter. R. Huff. No. 1,095,326; May 5; Gaz. vol. 202; p. 52.
- Carbureter. W. P. Huguelet. No. 1,115,543; Nov. 3; Gaz. vol. 208; p. 27.
- Carbureter. H. H. Hunt and W. S. Peloubet. No. 1,089,471; Mar. 10; Gaz. vol. 200; p. 320.
- Carbureter. H. A. Ireland. No. 1,084,151; Jan. 13; Gaz. vol. 198; p. 326.
- Carbureter. C. F. Johnson. No. 1,093,627; Apr. 21; Gaz. vol. 201; p. 588.
- Carbureter. C. F. Johnson. No. 1,095,212; May 5; Gaz. vol. 202; p. 14.
- Carbureter. G. D. Jordan. No. 1,095,402; May 5; Gaz. vol. 202; p. 78.
- Carbureter. E. J. Kane. No. 1,108,181; Aug. 25; Gaz. vol. 205; p. 1047.
- Carbureter. T. W. Kings. No. 1,119,757; Dec. 1; Gaz. vol. 209; p. 292.
- Carbureter. R. E. Krause. No. 1,113,221; Oct. 13; Gaz. vol. 207; p. 323.
- Carbureter. A. G. Lamb. No. 1,106,226; Aug. 4; Gaz. vol. 205; p. 222.
- Carbureter. R. Leduc. No. 1,119,181; Dec. 1; Gaz. vol. 209; p. 98.

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- Carbureter. F. J. Macey. No. 1,103,789; July 14; Gaz. vol. 204; p. 592.
- Carbureter. T. A. Martin. No. 1,120,397; Dec. 8; Gaz. vol. 209; p. 555.
- Carbureter. W. E. Martin. No. 1,115,951; Nov. 3; Gaz. vol. 208; p. 165.
- Carbureter. G. J. Mayer. No. 1,089,423; Mar. 10; Gaz. vol. 200; p. 302.
- Carbureter. W. H. McAndrews. No. 1,093,343; Apr. 14; Gaz. vol. 201; p. 453.
- Carbureter. T. F. McGuire. No. 1,100,679; June 16; Gaz. vol. 203; p. 870.
- Carbureter. T. F. McGuire. No. 1,101,869; June 30; Gaz. vol. 203; p. 1388.
- Carbureter. O. Meissner. No. 1,103,802; July 14; Gaz. vol. 204; p. 597.
- Carbureter. H. A. Miller and F. M. Adamson. No. 1,094,674; Apr. 28; Gaz. vol. 201; p. 1003.
- Carbureter. L. R. Miller, Jr. No. 1,095,510; May 5; Gaz. vol. 202; p. 116.
- Carbureter. W. T. Mixsell. No. 1,092,282; Apr. 7; Gaz. vol. 201; p. 55.
- Carbureter. L. G. Molina. No. 1,107,693; Aug. 18; Gaz. vol. 205; p. 831.
- Carbureter. O. B. Monosmith. No. 1,110,453; Sept. 15; Gaz. vol. 206; p. 648.
- Carbureter. J. Munden. No. 1,099,714; June 9; Gaz. vol. 203; p. 505.
- Carbureter. C. S. Munroe. No. 1,098,827; June 2; Gaz. vol. 203; p. 159.
- Carbureter. W. O. Mycue. No. 1,109,356; Sept. 1; Gaz. vol. 206; p. 178.
- Carbureter. C. H. Myers. No. 1,093,718; Apr. 21; Gaz. vol. 201; p. 621.
- Carbureter. E. Nice. No. 1,084,954; Jan. 20; Gaz. vol. 198; p. 623.
- Carbureter. R. P. Norton. No. 1,107,698; Aug. 18; Gaz. vol. 205; p. 833.
- Carbureter. W. J. Omer. No. 1,105,371; July 28; Gaz. vol. 204; p. 1233.
- Carbureter. W. Ottaway. No. 1,105,687; Aug. 4; Gaz. vol. 205; p. 35.
- Carbureter. S. H. Page and C. J. Belden. No. 1,099,995; June 16; Gaz. vol. 203; p. 637.
- Carbureter. T. H. Parker. No. 1,117,233; Nov. 17; Gaz. vol. 208; p. 695.
- Carbureter. J. W. Parkin. No. 1,120,845; Dec. 15; Gaz. vol. 209; p. 760.
- Carbureter. H. D. Peaslee. No. 1,107,103; Aug. 11; Gaz. vol. 205; p. 570.
- Carbureter. F. S. Pierce. No. 1,084,028; Jan. 13; Gaz. vol. 198; p. 285.
- Carbureter. G. Ponarouse. No. 1,116,325; Nov. 3; Gaz. vol. 208; p. 292.
- Carbureter. L. G. Pond. No. 1,096,750; May 12; Gaz. vol. 202; p. 571.
- Carbureter. C. H. Pratt. No. 1,111,179; Sept. 22; Gaz. vol. 206; p. 945.
- Carbureter. J. W. Raymond. No. 1,088,091; Feb. 24; Gaz. vol. 199; p. 1017.
- Carbureter. J. W. Raymond. No. 1,088,181; Feb. 24; Gaz. vol. 199; p. 1048.
- Carbureter. J. S. Reeder. No. 1,092,079; Mar. 31; Gaz. vol. 200; p. 1329.
- Carbureter. H. M. Reichenbach. No. 1,118,805; Nov. 24; Gaz. vol. 208; p. 1283.
- Carbureter. C. E. Rimmer, F. A. Plymire, and W. Wills. No. 1,104,222; July 21; Gaz. vol. 204; p. 781.
- Carbureter. J. C. Rogers. No. 1,111,763; Sept. 29; Gaz. vol. 206; p. 1182.
- Carbureter. J. Ruthven. No. 1,089,501; Mar. 10; Gaz. vol. 200; p. 332.
- Carbureter. A. M. Sanborn. No. 1,092,953; Apr. 14; Gaz. vol. 201; p. 319.
- Carbureter. S. P. Sanders. No. 1,105,160; July 28; Gaz. vol. 204; p. 1154.
- Carbureter. P. J. Sassano. No. 1,086,226; Feb. 3; Gaz. vol. 199; p. 228.
- Carbureter. G. M. Schebler. No. 1,108,245; Aug. 25; Gaz. vol. 205; p. 1070.
- Carbureter. C. T. Schoen. No. 1,107,849; Aug. 18; Gaz. vol. 205; p. 885.
- Carbureter. C. F. Schulz. No. 1,087,187; Feb. 17; Gaz. vol. 199; p. 653.
- Carbureter. A. J. Seaman. No. 1,122,806; Dec. 29; Gaz. vol. 209; p. 1517.
- Carbureter. J. A. Secor. No. 1,105,003; July 28; Gaz. vol. 204; p. 1100.
- Carbureter. W. Shakespeare, Jr., and W. Schmid. No. 1,107,713; Aug. 18; Gaz. vol. 205; p. 838.
- Carbureter. F. A. Sharpneck. No. 1,096,569; May 12; Gaz. vol. 202; p. 511.
- Carbureter. R. H. Shoobridge and A. F. Gunstone. No. 1,104,560; July 21; Gaz. vol. 204; p. 901.
- Carbureter. J. C. Simonsen. No. 1,123,027; Dec. 29; Gaz. vol. 209; p. 1595.
- Carbureter. L. Sliger. (Reissue.) No. 13,837; Dec. 1; Gaz. vol. 209; p. 307.
- Carbureter. N. and K. Smith. No. 1,101,345; June 23; Gaz. vol. 203; p. 1157.
- Carbureter. N. C. Stamps. No. 1,089,089; Mar. 3; Gaz. vol. 200; p. 142.
- Carbureter. F. L. Tatom. No. 1,099,828; June 9; Gaz. vol. 203; p. 542.
- Carbureter. H. T. Thomas. No. 1,120,763; Dec. 15; Gaz. vol. 209; p. 732.
- Carbureter. J. M. Tucker and J. A. Wilding. No. 1,106,258; Aug. 4; Gaz. vol. 205; p. 232.
- Carbureter. C. H. Veeder. No. 1,119,479; Dec. 1; Gaz. vol. 209; p. 199.
- Carbureter. W. F. Washburn. No. 1,123,048; Dec. 29; Gaz. vol. 209; p. 1602.
- Carbureter. A. H. Webber. No. 1,120,573; Dec. 8; Gaz. vol. 209; p. 618.
- Carbureter. T. T. Weber. No. 1,091,784; Mar. 31; Gaz. vol. 200; p. 1231.
- Carbureter. H. S. Wilson. No. 1,116,861; Nov. 10; Gaz. vol. 208; p. 526.
- Carbureter. A. Winton. No. 1,096,482; May 12; Gaz. vol. 202; p. 482.
- Carbureter. L. Wolf. No. 1,120,352; Dec. 8; Gaz. vol. 209; p. 539.
- Carbureter. H. B. Wyman. No. 1,093,901; Apr. 21; Gaz. vol. 201; p. 681.
- Carbureter attachment. J. Martin and H. Sibbald. No. 1,092,279; Apr. 7; Gaz. vol. 201; p. 54.
- Carbureter, Bifuel-. G. F. Bischof. No. 1,085,239; Jan. 27; Gaz. vol. 198; p. 758.
- Carbureter-coupling. H. N. Matsinger. No. 1,113,570; Oct. 13; Gaz. vol. 207; p. 448.
- Carbureter for gas and gasoline engines. R. P. Faries. No. 1,086,359; Feb. 10; Gaz. vol. 199; p. 319.
- Carbureter for internal-combustion engines. F. Baverey. No. 1,089,372; Mar. 3; Gaz. vol. 200; p. 237.
- Carbureter for internal-combustion engines. G. F. Bull. No. 1,116,986; Nov. 10; Gaz. vol. 208; p. 568.
- Carbureter for internal-combustion engines. J. Fagard. No. 1,109,974; Sept. 8; Gaz. vol. 206; p. 437.
- Carbureter for internal-combustion engines. W. Gillett. No. 1,106,091; Aug. 4; Gaz. vol. 205; p. 177.
- Carbureter for internal-combustion engines. M. R. Lawrence. No. 1,088,231; Feb. 24; Gaz. vol. 199; p. 1064.
- Carbureter for internal-combustion engines. B. MacNutt. No. 1,097,554; May 19; Gaz. vol. 202; p. 894.
- Carbureter for internal-combustion engines. C. J. Mégevet and L. Picker. No. 1,090,556; Mar. 17; Gaz. vol. 200; p. 738.
- Carbureter, Gas-engine. J. F. Miller. No. 1,097,039; May 19; Gaz. vol. 202; p. 716.
- Carbureter, Jet-. P. Donndorf. No. 1,097,401; May 19; Gaz. vol. 202; p. 843.
- Carbureter or the like. W. C. Westaway. No. 1,089,516; Mar. 10; Gaz. vol. 200; p. 337.
- Carbureter, Self-leveling. O. Winkler. No. 1,118,459; Nov. 24; Gaz. vol. 208; p. 1165.
- Carbureter, Spray-. M. Bucherer. No. 1,097,165; May 19; Gaz. vol. 202; p. 761.
- Carbureters, Air-drying attachment for. F. W. J. Goersch. No. 1,086,763; Feb. 10; Gaz. vol. 199; p. 459.
- Carbureters, Air-inlet valve for. E. F. W. Alexanderson. No. 1,083,789; Jan. 6; Gaz. vol. 198; p. 174.
- Carbureters, Air-moistener for. C. E. and E. Fields. No. 1,115,917; Nov. 3; Gaz. vol. 208; p. 154.
- Carbureters, Air-purifier for. E. H. Benjamin. No. 1,095,695; May 5; Gaz. vol. 202; p. 178.
- Carbureters, Air-valve for. G. M. Schebler. No. 1,108,246; Aug. 25; Gaz. vol. 205; p. 1071.
- Carbureters, Automatic regulator for. W. W. Green. No. 1,110,131; Sept. 8; Gaz. vol. 206; p. 495.
- Carbureters, Electric attachment for. A. S. Bignell. No. 1,109,735; Sept. 8; Gaz. vol. 206; p. 352.
- Carbureters, Electric heater for. A. C. Dam and C. H. Kirby. No. 1,115,512; Nov. 3; Gaz. vol. 208; p. 16.
- Carbureters, Float-chamber for. O. Meissner. No. 1,103,803; July 14; Gaz. vol. 204; p. 598.
- Carbureters, Pump-actuating mechanism for. N. J. Russell. No. 1,103,224; July 14; Gaz. vol. 204; p. 397.
- Carbureters, Temperature-controller for. J. B. Lund. No. 1,091,521; Mar. 31; Gaz. vol. 200; p. 1139.
- Carbureters, Throttle for. A. C. Stewart. No. 1,114,200; Oct. 20; Gaz. vol. 207; p. 708.
- Carbureting apparatus. P. M. Mohler and S. J. Fry. No. 1,121,651; Dec. 22; Gaz. vol. 209; p. 1077.
- Carbureting apparatus. F. S. Oliver. No. 1,108,081; Aug. 18; Gaz. vol. 205; p. 965.
- Carbureting apparatus. G. F. Schmidt. No. 1,109,085; Sept. 1; Gaz. vol. 206; p. 81.
- Carbureting apparatus for internal-combustion engines. J. S. Strouse. No. 1,091,600; Mar. 31; Gaz. vol. 200; p. 1166.
- Carbureting means for use with heavy fuels. A. C. Stewart. No. 1,110,724; Sept. 15; Gaz. vol. 206; p. 744.
- Carcass scraping and polishing machine. L. A. Kramer. No. 1,096,038; May 12; Gaz. vol. 202; p. 330.
- Card-case. C. J. Dieges. No. 1,097,851; May 26; Gaz. vol. 202; p. 1043.
- Card-case. H. B. Worthington. No. 1,083,971; Feb. 10; Gaz. vol. 199; p. 530.

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- Card-clothing. W. Decker. No. 1,095,978; May 5; Gaz. vol. 202; p. 273.
- Card-cylinders, Machine for forming. E. C. Lovell. No. 1,100,979; June 23; Gaz. vol. 203; p. 1032.
- Card-exhibiting device. H. W. Helliker. No. 1,088,574; Feb. 24; Gaz. vol. 199; p. 1177.
- Card-exhibiting device, Automatic. J. C. Smith. No. 1,094,607; Apr. 28; Gaz. vol. 201; p. 977.
- Card for clothes, Reinforcing and shape-keeping. S. D. Glikerson. No. 1,113,327; Oct. 13; Gaz. vol. 207; p. 362.
- Card-gate. H. Abbott. No. 1,091,786; Mar. 31; Gaz. vol. 200; p. 1232.
- Card-holder. E. H. Cooper. No. 1,088,968; Mar. 3; Gaz. vol. 200; p. 102.
- Card-holder. C. C. Grabendike. No. 1,097,089; May 19; Gaz. vol. 202; p. 735.
- Card-holder. F. A. Lawson. No. 1,106,954; Aug. 11; Gaz. vol. 205; p. 523.
- Card-holder. W. McKinnon. No. 1,086,384; Feb. 10; Gaz. vol. 199; p. 325.
- Card holder, Playing-. W. Gessner. No. 1,109,524; Sept. 1; Gaz. vol. 206; p. 233.
- Card holder, Playing-. D. MacQueen. No. 1,104,687; July 21; Gaz. vol. 204; p. 942.
- Card, Lotto-. E. Jauch. No. 1,113,639; Oct. 13; Gaz. vol. 207; p. 470.
- Card, Movable index-. P. Greindl. No. 1,108,574; Aug. 25; Gaz. vol. 205; p. 1185.
- Card or label holder. H. Ames. No. 1,113,860; Oct. 13; Gaz. vol. 207; p. 550.
- Card or picture support. F. Hight. No. 1,111,458; Sept. 22; Gaz. vol. 206; p. 1040.
- Card or sheet and producing same, Stencil. F. D. and E. D. Belknap. No. 1,110,869; Sept. 15; Gaz. vol. 206; p. 795.
- Card or sheet, Ornamental. M. W. Merrill. No. 1,121,858; Dec. 22; Gaz. vol. 209; p. 1151.
- Card-perforating machine, Jacquard-. K. Eggart. No. 1,108,492; Aug. 25; Gaz. vol. 205; p. 1157.
- Card-rack. H. H. Thompson. No. 1,103,100; July 14; Gaz. vol. 204; p. 352.
- Card-receptacle. J. F. Dunleavy. No. 1,083,439; Jan. 6; Gaz. vol. 198; p. 61.
- Card, Recording and computing. C. M. Wrightson. No. 1,090,587; Mar. 17; Gaz. vol. 200; p. 749.
- Card register and cabinet. T. F. Leahy. No. 1,089,484; Mar. 10; Gaz. vol. 200; p. 325.
- Card, Score-. R. R. Condra. No. 1,122,479; Dec. 29; Gaz. vol. 209; p. 1401.
- Card-tab structure. F. M. Case. No. 1,116,383; Nov. 10; Gaz. vol. 208; p. 353.
- Card-tab structure, Guide-. F. M. Case. No. 1,116,384; Nov. 10; Gaz. vol. 208; p. 354.
- Cards, Detachable handle for hand-. H. Midgley. No. 1,104,531; July 21; Gaz. vol. 204; p. 890.
- Cards, envelopes, and similar articles, Feeding mechanism for. G. T. Trundle. No. 1,116,860; Nov. 10; Gaz. vol. 208; p. 526.
- Cards, envelopes, &c., Automatic selecting and feeding device for. G. J. Albrecht and S. L. Long. No. 1,093,593; Apr. 21; Gaz. vol. 201; p. 575.
- Cards, pictures, &c., Support for. J. M. Washburn. No. 1,123,151; Dec. 29; Gaz. vol. 209; p. 1639.
- Cards, Playing-. U. S. Alsrue. No. 1,104,724; July 21; Gaz. vol. 204; p. 956.
- Cards, Playing-. C. G. Fisher. No. 1,100,869; June 23; Gaz. vol. 203; p. 991.
- Cards, Playing-. F. Poole. No. 1,101,711; June 30; Gaz. vol. 203; p. 1333.
- Cardboard, Cutting-off attachment for machines for making corrugated. S. A. Goldberg. No. 1,089,834; Mar. 10; Gaz. vol. 200; p. 445.
- Cardan joints, Casing for. M. Barbarou. No. 1,102,853; July 7; Gaz. vol. 204; p. 220.
- Cardinal points, Device for indicating the. P. H. Borden. No. 1,102,219; June 30; Gaz. vol. 203; p. 1515.
- Carding. W. Lee. No. 1,100,082; June 16; Gaz. vol. 203; p. 668.
- Carding-cylinders, Pneumatic stripping mechanism for. A. Rouge. No. 1,086,222; Feb. 3; Gaz. vol. 199; p. 226.
- Carding-engine. P. L. McBride. No. 1,087,130; Feb. 17; Gaz. vol. 199; p. 634.
- Carding-engine. F. Vöster and M. Jungbauer. No. 1,103,231; July 14; Gaz. vol. 204; p. 399.
- Carding-engine stripping mechanism. J. Midgley and T. G. Mills. No. 1,103,150; July 14; Gaz. vol. 204; p. 371.
- Carding-engines, Means for dressing or resetting and grinding the teeth of licker-in or taker-in rollers used in. J. Dronsfield. No. 1,086,658; Feb. 10; Gaz. vol. 199; p. 422.
- Carding-machine. E. Flévet, Fils. No. 1,117,989; Nov. 24; Gaz. vol. 208; p. 1000.
- Carding-machine attachment. T. D. Holden. No. 1,121,362; Dec. 15; Gaz. vol. 209; p. 941.
- Carding-machine breast. E. V. Bates. No. 1,103,649; July 14; Gaz. vol. 204; p. 545.
- Carding-machine condensing apparatus. W. D. Rundlett. No. 1,103,541; July 14; Gaz. vol. 204; p. 503.
- Carding-machine safety device. O. L. Owen. No. 1,112,829; Oct. 6; Gaz. vol. 207; p. 146.
- Carding-machine waste-collector. R. N. France. No. 1,108,070; Aug. 18; Gaz. vol. 205; p. 961.
- Carding or breaking machine, Waste or like. W. Rothe. No. 1,096,864; May 19; Gaz. vol. 202; p. 654.
- Cargo-discharging mechanism. J. A. Outtersen. No. 1,112,647; Oct. 6; Gaz. vol. 207; p. 85.
- Cargo in bulk, Apparatus for transferring. W. G. Read. No. 1,089,496; Mar. 10; Gaz. vol. 200; p. 330.
- Carline. J. M. Ames. No. 1,097,962; May 26; Gaz. vol. 202; p. 1085.
- Carline. F. Mathews. No. 1,115,080; Oct. 27; Gaz. vol. 207; p. 1072.
- Carline. A. E. Ostrander. No. 1,097,929; May 26; Gaz. vol. 202; p. 1073.
- Carline. T. N. Russell. No. 1,093,652; Apr. 21; Gaz. vol. 201; p. 596.
- Carline. T. N. Russell. No. 1,096,462; May 12; Gaz. vol. 202; p. 475.
- Carline. V. E. Sisson. No. 1,093,657; Apr. 21; Gaz. vol. 201; p. 598.
- Carline structure. S. F. Klohs. No. 1,109,340; Sept. 1; Gaz. vol. 206; p. 172.
- Carnotite and associated and similar vanadium and uranium minerals, Treating so-called. H. N. McCoy. No. 1,098,282; May 26; Gaz. vol. 202; p. 1196.
- Carousel. S. W. Brundage. No. 1,087,722; Feb. 17; Gaz. vol. 199; p. 844.
- Carousel. H. L. Miller. No. 1,121,748; Dec. 22; Gaz. vol. 209; p. 1111.
- Carousel. P. Ryan. No. 1,107,115; Aug. 11; Gaz. vol. 205; p. 574.
- Carousel. A. Schädel, née Höppener. No. 1,120,245; Dec. 8; Gaz. vol. 209; p. 501.
- Carousel. A. G. Sharkey. No. 1,104,145; July 21; Gaz. vol. 204; p. 755.
- Carousel and Ferris wheel, Movable. C. Jacobs. No. 1,090,065; Mar. 10; Gaz. vol. 200; p. 525.
- Carousel, Knockdown. S. W. Brundage. No. 1,102,866; July 7; Gaz. vol. 204; p. 225.
- Carousel or merry-go-round. W. C. Farnum. No. 1,088,558; Feb. 24; Gaz. vol. 199; p. 1172.
- Carousels, Animal mount or support for. R. and J. Lusse. No. 1,112,305; Sept. 29; Gaz. vol. 206; p. 1369.
- Carpenter's gage. J. Dick. No. 1,114,736; Oct. 27; Gaz. vol. 207; p. 948.
- Carpenter's gage. R. M. Raymond. No. 1,098,527; June 2; Gaz. vol. 203; p. 60.
- Carpenter's tool. T. H. Smith. No. 1,118,067; Nov. 24; Gaz. vol. 208; p. 1027.
- Carpet-beater. W. A. Keller. No. 1,112,293; Sept. 29; Gaz. vol. 206; p. 1365.
- Carpet-beater. F. C. Kummerow. No. 1,086,540; Feb. 10; Gaz. vol. 199; p. 380.
- Carpet-beater. M. J. Palmer and W. H. Burton. No. 1,112,314; Sept. 29; Gaz. vol. 206; p. 1373.
- Carpet-beater. W. Widmayer. No. 1,094,619; Apr. 28; Gaz. vol. 201; p. 982.
- Carpet-cleaner. H. B. Newton. No. 1,084,750; Jan. 20; Gaz. vol. 198; p. 555.
- Carpet-cleaner, Mechanism for simultaneously adjusting the wheels and brush of a vacuum. H. F. Binkley. No. 1,119,393; Dec. 1; Gaz. vol. 209; p. 171.
- Carpet-cleaners, Filter for pneumatic. L. L. Ferguson. No. 1,108,094; Aug. 18; Gaz. vol. 205; p. 970.
- Carpet-cleaning apparatus. T. J. Habicht. No. 1,105,903; Aug. 4; Gaz. vol. 205; p. 110.
- Carpet-cleaning machine. L. L. Porter. No. 1,119,114; Dec. 1; Gaz. vol. 209; p. 75.
- Carpet-cutting machine. E. H. May. No. 1,096,733; May 12; Gaz. vol. 202; p. 566.
- Carpet holder, Stair-. H. Casler. No. 1,103,261; July 14; Gaz. vol. 204; p. 410.
- Carpet holder, Stair-. H. Casler. No. 1,103,262; July 14; Gaz. vol. 204; p. 410.
- Carpet-making appliance. R. Heymann. No. 1,096,302; May 12; Gaz. vol. 202; p. 421.
- Carpet-raveler. F. R. Richards. No. 1,087,982; Feb. 24; Gaz. vol. 199; p. 979.
- Carpet-retainer. W. W. Phillips. No. 1,091,862; Mar. 31; Gaz. vol. 200; p. 1259.
- Carpet retainer, Stair-. D. W. Shiek. No. 1,106,320; Aug. 4; Gaz. vol. 205; p. 253.
- Carpet-setting frame, Tapestry-. C. H. Collins. No. 1,103,128; July 14; Gaz. vol. 204; p. 363.
- Carpet-sweeper. L. L. Ferguson. No. 1,104,977; July 28; Gaz. vol. 204; p. 1093.
- Carpet-sweeper. J. W. Yochem. No. 1,097,833; May 26; Gaz. vol. 202; p. 1037.
- Carpet-sweeper attachment. J. Hammond. No. 1,110,929; Sept. 15; Gaz. vol. 206; p. 815.
- Carpet-sweepers, Vacuum-cleaner attachment for. E. J. Feeny. No. 1,101,488; June 23; Gaz. vol. 203; p. 1206.
- Carpets and similar fabrics, Manufacture of. P. Sabonadier and E. D'Eaubonne. No. 1,102,170; June 30; Gaz. vol. 203; p. 1496.

Alphabetical list of inventions—Continued.

- Carpets and the like, Apparatus for cleaning. M. S. Wright. No. 1,109,497; Sept. 1; Gaz. vol. 206; p. 225.
- Carpets to stairs, Device for securing. W. G. Winans. No. 1,093,674; Apr. 21; Gaz. vol. 201; p. 605.
- Carriage and cradle, Combination baby-. J. Levoy and A. Fried. No. 1,101,458; June 23; Gaz. vol. 203; p. 1195.
- Carriage and invalid-chair, Folding. C. F. G. Behr. No. 1,102,565; July 7; Gaz. vol. 204; p. 121.
- Carriage, Baby-. A. J. Adams. No. 1,090,511; Mar. 17; Gaz. vol. 200; p. 724.
- Carriage, Baby-. J. E. Goggin. No. 1,113,328; Oct. 13; Gaz. vol. 207; p. 362.
- Carriage-boot attachment. F. E. Yarian. No. 1,084,999; Jan. 20; Gaz. vol. 198; p. 639.
- Carriage, Child's. G. B. Ambler. No. 1,117,149; Nov. 17; Gaz. vol. 208; p. 663.
- Carriage, Child's. G. E. O'Hearn. No. 1,100,251; June 16; Gaz. vol. 203; p. 726.
- Carriage, Child's. C. S. Spofford. No. 1,103,161; July 14; Gaz. vol. 204; p. 375.
- Carriage, Child's folding. W. M. Decker. No. 1,102,248; July 7; Gaz. vol. 204; p. 9.
- Carriage, Child's folding. W. Layton and C. R. Lowe. No. 1,109,848; Sept. 8; Gaz. vol. 206; p. 390.
- Carriage, Collapsible. G. E. Cleveland. No. 1,090,135; Mar. 17; Gaz. vol. 200; p. 589.
- Carriage, Collapsible. C. S. Spofford and F. W. Jonas. No. 1,086,736; Feb. 10; Gaz. vol. 199; p. 449.
- Carriage, Collapsible. C. S. Spofford and F. W. Jonas. No. 1,090,950; Mar. 24; Gaz. vol. 200; p. 902.
- Carriage, Collapsible. C. S. Spofford and J. A. Henry. No. 1,091,025; Mar. 24; Gaz. vol. 200; p. 929.
- Carriage, Cotton-sack. E. E. Alexander. No. 1,112,963; Oct. 6; Gaz. vol. 207; p. 192.
- Carriage, Folding baby-. A. E. McGill. No. 1,094,458; Apr. 28; Gaz. vol. 201; p. 926.
- Carriage-iron. W. Morris. No. 1,099,883; June 9; Gaz. vol. 203; p. 562.
- Carriage-return mechanism. G. W. Knoll. No. 1,107,530; Aug. 18; Gaz. vol. 205; p. 772.
- Carriage-return mechanism. O. Thieme. No. 1,120,862; Dec. 15; Gaz. vol. 209; p. 766.
- Carriage-reversing mechanism. B. D. Jackson. No. 1,100,884; June 23; Gaz. vol. 203; p. 996.
- Carriage storm-front, Baby-. A. K. Ragsdale. No. 1,092,225; Apr. 7; Gaz. vol. 201; p. 34.
- Carriage, Tunneling. R. S. Carter. No. 1,098,014; May 26; Gaz. vol. 202; p. 1104.
- Carriage wheel, Railway-. A. A. Coates. No. 1,098,481; June 2; Gaz. vol. 203; p. 43.
- Carriage-window opening and closing means. J. Altrichter. (Reissue.) No. 13,780; July 28; Gaz. vol. 204; p. 1310.
- Carriages and go-carts, Attachment for baby-. E. J. Schulze. No. 1,105,379; July 28; Gaz. vol. 204; p. 1236.
- Carrier: See Article-carrier; Baggage-carrier; Basket-carrier; Bicycle package-carrier; Bobbin-carrier; Book-carrier; Bottle-carrier; Box-carrier; Bundle-carrier; Can-carrier; Cone-carrier; Earth-carrier; Egg-carrier; Elevated carrier; Fall-carrier; Film-carrier; Folding carrier; Gravity-carrier; Harvester-bag carrier; Hay-carrier; Knockdown carrier; Lantern-slide carrier; Litter-carrier; Luggage-carrier; Lunch-carrier; Mail-carrier; Mail or parcel carrier; Match-splint carrier; Message-carrier; Parcel-carrier; Peanut-digger's carrier; Receptacle-carrier; Rope-carrier; Rotary carrier; Sewing-machine looper-carrier; Shell-carrier; Shock-carrier; Stereopticon-slide carrier; Suitcase-carrier; Thermometer-carrier; Tire-carrier; Tire-shoe carrier; Tool-carrier; Trace-carrier; Transmission-carrier; Type-carrier; Umbrella-carrier; Vehicle package-carrier; Wood-carrier; Wool-washing-machine carrier.
- Carrier. C. J. Chadwick. No. 1,096,489; May 12; Gaz. vol. 202; p. 484.
- Carrier. J. G. Hehr. No. 1,098,797; June 2; Gaz. vol. 203; p. 149.
- Carrier. P. K. Musselman. No. 1,084,951; Jan. 20; Gaz. vol. 198; p. 622.
- Carrier. P. K. Musselman. No. 1,084,952; Jan. 20; Gaz. vol. 198; p. 623.
- Carrier. J. Nilson. No. 1,103,615; July 14; Gaz. vol. 204; p. 532.
- Carrier. F. D. Powell. No. 1,111,859; Sept. 29; Gaz. vol. 206; p. 1218.
- Carrier. D. C. Stanion. No. 1,111,927; Sept. 29; Gaz. vol. 206; p. 1241.
- Carrier. J. F. Walker. No. 1,091,260; Mar. 24; Gaz. vol. 200; p. 1010.
- Carrier attachment for boxes and the like, Removable. S. Idaka. No. 1,097,025; May 19; Gaz. vol. 202; p. 711.
- Carrier for paper and like receptacles. A. C. Benners. No. 1,091,908; Mar. 31; Gaz. vol. 200; p. 1274.
- Carrier or conveyer. L. Hasselbusch. No. 1,102,913; July 7; Gaz. vol. 204; p. 240.
- Carrier-pigeon signal. R. H. Holdefer. No. 1,118,283; Nov. 24; Gaz. vol. 208; p. 1101.
- Carrier-track. E. Martin. No. 1,112,017; Sept. 29; Gaz. vol. 206; p. 1269.
- Carrying-case. C. Spaulding. No. 1,086,735; Feb. 10; Gaz. vol. 199; p. 448.
- Carrying-case and display device, Combined. B. H. Babbitt. No. 1,086,746; Feb. 10; Gaz. vol. 199; p. 452.
- Cart. E. M. Lohr. No. 1,102,346; July 7; Gaz. vol. 204; p. 44.
- Cart. A. Wickey. No. 1,105,228; July 28; Gaz. vol. 204; p. 1179.
- Cart and wagon adapted especially for military use. W. D. Douglas-Jones. No. 1,117,987; Nov. 24; Gaz. vol. 208; p. 999.
- Cart, Barn-yard. L. N. Wade. No. 1,122,756; Dec. 29; Gaz. vol. 209; p. 1498.
- Cart, Juvenile. T. R. Heman. No. 1,092,992; Apr. 14; Gaz. vol. 201; p. 332.
- Cart, Revolving dump-. E. G. Ledyard. No. 1,117,865; Nov. 17; Gaz. vol. 208; p. 917.
- Cart, Road-. G. Gerstenslager. No. 1,110,681; Sept. 15; Gaz. vol. 206; p. 729.
- Cart, Self-loading. N. L. Goodwin. No. 1,086,816; Feb. 10; Gaz. vol. 199; p. 478.
- Cart, Self-turning harrow-. C. Knutson. No. 1,115,318; Oct. 27; Gaz. vol. 207; p. 1155.
- Cart support, Dump-. J. B. Rhodes. No. 1,108,237; Aug. 25; Gaz. vol. 205; p. 1068.
- Carton. E. R. Ashton. No. 1,115,476; Nov. 3; Gaz. vol. 208; p. 3.
- Carton. F. B. Davidson and H. P. Shotts. No. 1,090,457; Mar. 17; Gaz. vol. 200; p. 705.
- Carton. F. W. Dye. No. 1,103,177; July 14; Gaz. vol. 204; p. 381.
- Carton. C. N. Hopkins and R. T. Frank. No. 1,092,528; Apr. 7; Gaz. vol. 201; p. 139.
- Carton. S. G. Leitch. No. 1,121,737; Dec. 22; Gaz. vol. 209; p. 1107.
- Carton. J. W. Lord. No. 1,119,846; Dec. 8; Gaz. vol. 209; p. 360.
- Carton. J. L. Myles and W. L. Geddes. No. 1,083,694; Jan. 6; Gaz. vol. 198; p. 144.
- Carton. J. M. Pitkin. No. 1,095,671; May 5; Gaz. vol. 202; p. 170.
- Carton. E. W. Thumb. No. 1,103,708; July 14; Gaz. vol. 204; p. 566.
- Carton. S. R. Ullman. No. 1,112,042; Sept. 29; Gaz. vol. 206; p. 1278.
- Carton, Collapsible. J. W. Weiss. No. 1,104,234; July 21; Gaz. vol. 204; p. 785.
- Carton, Collapsible. J. W. Weiss. No. 1,119,207; Dec. 1; Gaz. vol. 209; p. 107.
- Carton, Collapsible. J. W. Weiss. No. 1,120,774; Dec. 15; Gaz. vol. 209; p. 736.
- Carton, Dispensing-. W. W. Hargrave. No. 1,121,355; Dec. 15; Gaz. vol. 209; p. 938.
- Carton-feeding device. F. B. Martin. No. 1,101,651; June 30; Gaz. vol. 203; p. 1314.
- Carton-feeding machine. F. B. Martin. No. 1,096,310; May 12; Gaz. vol. 202; p. 424.
- Carton-flap-closing device. F. B. Martin. No. 1,119,091; Dec. 1; Gaz. vol. 209; p. 67.
- Carton for half-tones and woodcuts. H. J. Kersting. No. 1,115,683; Nov. 3; Gaz. vol. 208; p. 74.
- Carton for merchandise. W. E. Elliott. No. 1,116,043; Nov. 3; Gaz. vol. 208; p. 197.
- Carton making and sealing machine. H. L. Johnson. No. 1,096,918; May 19; Gaz. vol. 202; p. 673.
- Carton or box, Collapsible. L. B. Wilson. No. 1,083,512; Jan. 6; Gaz. vol. 198; p. 83.
- Carton or box, Merchandise. N. J. Goodman. No. 1,099,294; June 9; Gaz. vol. 203; p. 360.
- Carton or container. D. C. Johnson. No. 1,103,880; July 14; Gaz. vol. 204; p. 624.
- Cartons, Machine to facilitate the use of. E. L. Wallace. No. 1,092,233; Apr. 7; Gaz. vol. 201; p. 37.
- Cartridge. F. O. Hoagland. No. 1,094,565; Apr. 28; Gaz. vol. 201; p. 963.
- Cartridge. F. O. Hoagland. No. 1,109,840; Sept. 8; Gaz. vol. 206; p. 388.
- Cartridge-belt. W. R. Lynch. No. 1,085,451; Jan. 27; Gaz. vol. 198; p. 830.
- Cartridge belt or carrier. F. R. Batchelder. No. 1,100,047; June 16; Gaz. vol. 203; p. 655.
- Cartridge, Blasting-. P. M. Copps. No. 1,117,794; Nov. 17; Gaz. vol. 208; p. 893.
- Cartridge-case, Aluminium. B. Castenholz. No. 1,114,228; Oct. 20; Gaz. vol. 207; p. 719.
- Cartridge-fuse, Inclosed. F. W. Schneider. No. 1,122,427; Dec. 29; Gaz. vol. 209; p. 1383.
- Cartridge, Gun-operating. J. D. Pedersen. No. 1,097,988; May 26; Gaz. vol. 202; p. 1094.
- Cartridge-holder. J. B. Williamson. No. 1,113,590; Oct. 13; Gaz. vol. 207; p. 454.
- Cartridge-magazine. L. T. Micke. No. 1,099,992; June 16; Gaz. vol. 203; p. 636.
- Cartridge-making machine, Plastic-. S. H. Pierce. No. 1,092,451; Apr. 7; Gaz. vol. 201; p. 113.
- Cartridge, Refillable fuse-. G. W. Appler. No. 1,093,164; Apr. 14; Gaz. vol. 201; p. 392.
- Cartridge, Rim-fire. F. O. Hoagland. No. 1,107,519; Aug. 18; Gaz. vol. 205; p. 769.
- Cartridge-shell. P. Butler. No. 1,118,887; Nov. 24; Gaz. vol. 208; p. 1310.

Alphabetical list of inventions—Continued.

- Cartridge-shell. P. Butler. No. 1,118,888; Nov. 24; Gaz. vol. 208; p. 1311.
- Cartridge-shell. F. O. Hoagland. No. 1,103,202; July 14; Gaz. vol. 204; p. 391.
- Cartridge-shell. F. O. Hoagland. No. 1,103,203; July 14; Gaz. vol. 204; p. 391.
- Cartridge-shell. C. W. Reeves. No. 1,115,570; Nov. 3; Gaz. vol. 208; p. 35.
- Cartridge-shell, Making a. J. H. Wesson. No. 1,101,224; June 23; Gaz. vol. 203; p. 1116.
- Cartridge-shells, Machine for drying freshly-painted. H. D. Hodge. No. 1,089,706; Mar. 10; Gaz. vol. 200; p. 402.
- Cartridge-tube. J. M. Browning. No. 1,095,801; May 5; Gaz. vol. 202; p. 215.
- Case: See Automobile license-number case; Battery-case; Bicycle tool-case; Bookcase; Bottle-case; Camera-carrying case; Can-shipping case; Card-case; Carrying-case; Cartridge-case; Catheter-case; Cheese-case; Cigarette-case; Clock-case; Collapsible case; Crank-case; Display-case; Egg-case; Egg-shipping case; Engine crank-case; Eyeglass-case; Filing-case; Folding case; Hat-case; Hypodermic case; Label-case; Lamp-socket case; Mail-sorting case; Mailing-case; Match-case; Memorandum-case; Musical-instrument case; Needle-case; Packing-case; Paper-case; Paper cigar-case; Pencil and the like case; Photograph-developing case; Piano-case; Pocket-case; Produce-shipping-case; Sample-case; Scouring-case; Sectional case; Shipping-case; Show-case; Sterilizing-case; Storage-case; Suitcase; Tape-case; Tennis-racket case; Thermometer-case; Tie and soft-collar case; Tool-receiving case; Traveling-case; Type-case; Umbrella-case; Valve-motion case; Vanity-case; Waterproof case.
- Case. E. Ohnstrand. No. 1,114,176; Oct. 20; Gaz. vol. 207; p. 700.
- Case-clip. D. J. Cote. No. 1,116,245; Nov. 3; Gaz. vol. 208; p. 265.
- Case-hardening. A. W. Machlet. No. 1,106,573; Aug. 11; Gaz. vol. 205; p. 390.
- Case-hardening compound. A. O. Blaich. No. 1,100,008; June 16; Gaz. vol. 203; p. 642.
- Case-locking device. H. Leiman. No. 1,117,066; Nov. 10; Gaz. vol. 208; p. 596.
- Casing-cutter. E. E. Greve. No. 1,104,492; July 21; Gaz. vol. 204; p. 875.
- Casing-cutter. M. J. Milz. No. 1,107,822; Aug. 18; Gaz. vol. 205; p. 876.
- Casing-elevator. E. E. Greve. No. 1,112,004; Sept. 29; Gaz. vol. 206; p. 1265.
- Casing-elevator. S. A. Guiberson, Jr. No. 1,112,605; Oct. 6; Gaz. vol. 207; p. 70.
- Casing-head. F. J. Moser. No. 1,115,717; Nov. 3; Gaz. vol. 208; p. 86.
- Casing-head and oil-saver, Combination. C. F. Rigby. No. 1,105,340; July 28; Gaz. vol. 204; p. 1219.
- Casing-head, Control. A. G. Heggem. No. 1,092,441; Apr. 7; Gaz. vol. 201; p. 110.
- Casing-shoe. J. A. Olinger and J. H. Walker. No. 1,089,583; Mar. 10; Gaz. vol. 200; p. 360.
- Casing-wrench. T. J. Griffin. No. 1,088,819; Mar. 3; Gaz. vol. 200; p. 49.
- Casement-adjuster. L. W. Wright. No. 1,118,995; Dec. 1; Gaz. vol. 209; p. 32.
- Casement and door lock. J. C. Griffin. No. 1,113,331; Oct. 13; Gaz. vol. 207; p. 363.
- Casein calcium and producing the same. P. Sprenger and A. Tschudi. No. 1,087,515; Feb. 17; Gaz. vol. 199; p. 769.
- Cash-check. J. D. Gibbs. No. 1,084,143; Jan. 13; Gaz. vol. 198; p. 324.
- Cash controlling and registering and change-returning apparatus. E. Janik. No. 1,092,054; Mar. 31; Gaz. vol. 200; p. 1322.
- Cash-controlling apparatus. F. Müller. No. 1,094,586; Apr. 28; Gaz. vol. 201; p. 970.
- Cash-drawer and dispensing-receptacle, Combined. A. D. Coldren. No. 1,119,402; Dec. 1; Gaz. vol. 209; p. 174.
- Cash-register. A. J. H. Burnett. No. 1,119,344; Dec. 1; Gaz. vol. 209; p. 153.
- Cash-register. T. Carroll. No. 1,092,975; Apr. 14; Gaz. vol. 201; p. 326.
- Cash-register. T. Carroll. No. 1,097,703; May 26; Gaz. vol. 202; p. 991.
- Cash-register. T. Carroll. No. 1,106,490; Aug. 11; Gaz. vol. 205; p. 359.
- Cash-register. T. Carroll. No. 1,108,968; Sept. 1; Gaz. vol. 206; p. 38.
- Cash-register. E. S. Church. No. 1,100,819; June 23; Gaz. vol. 203; p. 974.
- Cash-register. L. Gruber. No. 1,108,901; Sept. 1; Gaz. vol. 206; p. 13.
- Cash-register. H. S. Hallwood. No. 1,085,680; Feb. 3; Gaz. vol. 199; p. 36.
- Cash-register. H. S. Hallwood. No. 1,085,681; Feb. 3; Gaz. vol. 199; p. 36.
- Cash-register. J. B. Hayward. No. 1,119,955; Dec. 8; Gaz. vol. 209; p. 398.
- Cash-register. M. Jacob. No. 1,100,017; June 16; Gaz. vol. 203; p. 645.
- Cash-register. C. F. Kettering and W. A. Chryst. No. 1,110,392; Sept. 15; Gaz. vol. 206; p. 626.
- Cash-register. H. A. Martin. No. 1,109,685; Sept. 8; Gaz. vol. 206; p. 334.
- Cash-register. W. M. McCarthy. No. 1,088,831; Mar. 3; Gaz. vol. 200; p. 54.
- Cash-register. J. H. McCormick. No. 1,103,068; July 14; Gaz. vol. 204; p. 341.
- Cash-register. J. L. Morris. No. 1,101,317; June 23; Gaz. vol. 203; p. 1147.
- Cash-register. W. H. Muzzy. No. 1,109,697; Sept. 8; Gaz. vol. 206; p. 338.
- Cash-register. W. H. Muzzy. No. 1,114,794; Oct. 27; Gaz. vol. 207; p. 969.
- Cash-register. W. H. Muzzy. No. 1,118,144; Nov. 24; Gaz. vol. 208; p. 1053.
- Cash-register. F. C. Osborn. No. 1,119,983; Dec. 8; Gaz. vol. 209; p. 408.
- Cash-register. C. Palmer. No. 1,085,819; Feb. 3; Gaz. vol. 199; p. 86.
- Cash-register. C. Palmer. No. 1,118,147; Nov. 24; Gaz. vol. 208; p. 1054.
- Cash-register. T. F. Pearson. No. 1,085,755; Feb. 3; Gaz. vol. 199; p. 63.
- Cash-register. E. Sinner. (Reissue.) No. 13,767; July 7; Gaz. vol. 204; p. 279.
- Cash-register. E. Sinner. (Reissue.) No. 13,857; Dec. 29; Gaz. vol. 209; p. 1665.
- Cash-register. C. Sulfer. No. 1,095,151; Apr. 28; Gaz. vol. 201; p. 1168.
- Cash-register. S. B. Tily and J. G. and M. O. Rehffuss. No. 1,095,044; Apr. 28; Gaz. vol. 201; p. 1132.
- Cash-register. E. J. Von Pein. No. 1,096,973; May 19; Gaz. vol. 202; p. 693.
- Cash-register. E. J. Von Pein. No. 1,115,626; Nov. 3; Gaz. vol. 208; p. 53.
- Cash-register and scale, Combined. W. H. Muzzy. No. 1,117,224; Nov. 17; Gaz. vol. 208; p. 691.
- Cash-register and the like. M. Klaczko. No. 1,123,198; Dec. 29; Gaz. vol. 209; p. 1657.
- Cash-register, Change-indicating. F. L. Fuller. No. 1,122,489; Dec. 29; Gaz. vol. 209; p. 1405.
- Cash register, indicator, and recorder. H. S. Hallwood. No. 1,086,170; Feb. 3; Gaz. vol. 199; p. 210.
- Cash-register, memorandum appliance, &c. A. W. and N. C. Cooke. No. 1,113,756; Oct. 13; Gaz. vol. 207; p. 512.
- Cash-register, Multiple. F. L. Fuller. No. 1,117,179; Nov. 17; Gaz. vol. 208; p. 674.
- Cash-registers, Electric sign for. C. J. Cassidy. No. 1,091,810; Mar. 31; Gaz. vol. 200; p. 1240.
- Cash-registers, Recording mechanism for. W. R. Heintz. No. 1,094,561; Apr. 28; Gaz. vol. 201; p. 962.
- Cash-till. S. Chiger. No. 1,084,608; Jan. 20; Gaz. vol. 198; p. 504.
- Cashier, Automatic. P. Greindl. No. 1,090,846; Mar. 24; Gaz. vol. 200; p. 866.
- Cask-making machinery. W. W. Hewitt. No. 1,083,445; Jan. 6; Gaz. vol. 198; p. 62.
- Cask-pitching apparatus. H. and H. E. Rauch. No. 1,091,810; Apr. 28; Gaz. vol. 201; p. 1051.
- Cask-pitching machine. H. and H. E. Rauch. No. 1,122,537; Dec. 29; Gaz. vol. 209; p. 1422.
- Casket. L. O. Brown. No. 1,090,270; Mar. 17; Gaz. vol. 200; p. 638.
- Casket. W. L. Lawrence and W. Noonan. No. 1,096,816; May 12; Gaz. vol. 202; p. 594.
- Casket, Burial. S. J. Donnelly. No. 1,099,285; June 9; Gaz. vol. 203; p. 357.
- Casket, Burial. F. E. Hollins. No. 1,119,283; Dec. 1; Gaz. vol. 209; p. 131.
- Casket, Burial. W. E. Hughes. No. 1,085,736; Feb. 3; Gaz. vol. 199; p. 56.
- Casket, Burial. O. H. Gillespie. No. 1,093,324; Apr. 14; Gaz. vol. 201; p. 448.
- Casket, Burial. J. H. Mills. No. 1,111,166; Sept. 22; Gaz. vol. 206; p. 940.
- Casket covering, Burial. H. Myers. No. 1,100,392; June 16; Gaz. vol. 203; p. 776.
- Casket-handle. E. R. Sargent. No. 1,084,969; Jan. 20; Gaz. vol. 198; p. 628.
- Casket-handle. E. R. Sargent. No. 1,087,687; Feb. 17; Gaz. vol. 199; p. 832.
- Casket-handle. E. R. Sargent. No. 1,106,731; Aug. 11; Gaz. vol. 205; p. 444.
- Casket-handle, Detachable. J. M. Doddridge and J. C. Beck. No. 1,106,031; Aug. 4; Gaz. vol. 205; p. 156.
- Casket, Interior. F. M. Humphrey. No. 1,084,149; Jan. 13; Gaz. vol. 198; p. 326.
- Casket lowering and raising apparatus. F. W. Miller. No. 1,109,538; Sept. 1; Gaz. vol. 206; p. 238.
- Casket-lowering device. C. W. Wellman. No. 1,117,537; Nov. 17; Gaz. vol. 208; p. 801.
- Casket raising and lowering apparatus. C. E. and F. A. Shriner and F. W. Miller. No. 1,095,168; Apr. 28; Gaz. vol. 201; p. 1176.
- Casserole-frame. J. J. O'Mara. No. 1,118,794; Nov. 24; Gaz. vol. 208; p. 1279.
- Cast articles, Apparatus for making. W. H. Ford. No. 1,119,418; Dec. 1; Gaz. vol. 209; p. 170.
- Cast-off construction. E. N. Humphrey. No. 1,085,914; Feb. 3; Gaz. vol. 199; p. 118.

Alphabetical list of inventions—Continued.

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- Caster. A. B. Diss. No. 1,089,628; Mar. 10; Gaz. vol. 200; p. 375.
- Caster. G. C. Greene. No. 1,120,932; Dec. 15; Gaz. vol. 209; p. 792.
- Caster. A. Guernsey. No. 1,121,494; Dec. 15; Gaz. vol. 209; p. 986.
- Caster. R. P. Heron. No. 1,099,046; June 2; Gaz. vol. 203; p. 231.
- Caster. R. P. Heron and E. Sabo. No. 1,099,042; June 2; Gaz. vol. 203; p. 230.
- Caster. R. P. Heron and E. Sabo. No. 1,099,043; June 2; Gaz. vol. 203; p. 230.
- Caster. R. P. Heron and E. Sabo. No. 1,099,044; June 2; Gaz. vol. 203; p. 231.
- Caster. R. P. Heron and E. Sabo. No. 1,099,045; June 2; Gaz. vol. 203; p. 231.
- Caster. B. H. Noeiting. No. 1,111,085; Sept. 22; Gaz. vol. 206; p. 912.
- Caster. G. E. Smouse. No. 1,106,853; Aug. 11; Gaz. vol. 205; p. 487.
- Caster, Adjustable. L. Swensen. No. 1,116,334; Nov. 3; Gaz. vol. 208; p. 295.
- Caster and fitting. A. Hill. No. 1,102,508; July 7; Gaz. vol. 204; p. 100.
- Caster, Ball-. L. Ducro. No. 1,094,782; Apr. 28; Gaz. vol. 201; p. 1042.
- Caster device. W. J. Oldroyd. No. 1,092,506; Apr. 7; Gaz. vol. 201; p. 133.
- Caster, Elevating-. C. W. F. Koch and U. G. Shuler. No. 1,092,220; Apr. 7; Gaz. vol. 201; p. 33.
- Caster, Furniture-. T. E. Gould. No. 1,102,149; June 30; Gaz. vol. 203; p. 1488.
- Caster-mounting device. C. J. Bell. No. 1,090,675; Mar. 17; Gaz. vol. 200; p. 778.
- Caster, Self-adjusting. H. A. Palmer. No. 1,094,744; Apr. 28; Gaz. vol. 201; p. 1029.
- Caster, Spring-. J. A. Smith. No. 1,099,075; June 2; Gaz. vol. 203; p. 240.
- Caster-stop. M. Rochford. No. 1,101,883; June 30; Gaz. vol. 203; p. 1394.
- Caster, Stove-leg. A. V. Culver. No. 1,092,808; Apr. 7; Gaz. vol. 201; p. 235.
- Caster structure for tubular legs. A. B. Diss. No. 1,089,627; Mar. 10; Gaz. vol. 200; p. 375.
- Caster, Table-. C. E. Lewis. No. 1,116,086; Nov. 3; Gaz. vol. 208; p. 213.
- Caster-wheel. A. M. Lofland. No. 1,111,845; Sept. 29; Gaz. vol. 206; p. 1213.
- Caster-wheel. J. W. Pepple. No. 1,118,227; Nov. 24; Gaz. vol. 208; p. 1081.
- Casters, Leg-mount for. H. A. Palmer. No. 1,087,050; Feb. 10; Gaz. vol. 199; p. 555.
- Casters, Roller for. L. S. Lachman. No. 1,085,090; Jan. 20; Gaz. vol. 198; p. 669.
- Casting. A. F. Rockwell. No. 1,095,230; May 5; Gaz. vol. 202; p. 23.
- Casting apparatus. J. W. Brown, Jr. No. 1,119,680; Dec. 1; Gaz. vol. 209; p. 268.
- Casting apparatus. D. Perry. No. 1,121,659; Dec. 22; Gaz. vol. 209; p. 1080.
- Casting apparatus. C. D. Pettis. No. 1,104,926; July 28; Gaz. vol. 204; p. 1075.
- Casting apparatus. C. D. Pettis. No. 1,104,927; July 28; Gaz. vol. 204; p. 1075.
- Casting apparatus. A. F. Rockwell. No. 1,095,523; May 5; Gaz. vol. 202; p. 121.
- Casting apparatus. W. C. Urban. No. 1,110,659; Sept. 15; Gaz. vol. 206; p. 721.
- Casting apparatus, Metal-. J. D. Coney. No. 1,089,329; Mar. 3; Gaz. vol. 200; p. 222.
- Casting apparatus, Metal-. A. M. Craig. No. 1,107,904; Aug. 18; Gaz. vol. 205; p. 902.
- Casting-box. A. H. Cruse. No. 1,117,980; Nov. 24; Gaz. vol. 208; p. 996.
- Casting brake-shoes. C. D. Pettis. No. 1,104,928; July 28; Gaz. vol. 204; p. 1076.
- Casting device, Metal-. C. F. Hansen. No. 1,113,333; Oct. 13; Gaz. vol. 207; p. 364.
- Casting from volatilizable metals or alloys. W. D. Hall. No. 1,100,132; June 16; Gaz. vol. 203; p. 685.
- Casting ingots. A. G. McKenna. No. 1,119,088; Dec. 1; Gaz. vol. 209; p. 66.
- Casting iron in permanent molds. E. A. Custer. No. 1,097,847; May 26; Gaz. vol. 202; p. 1042.
- Casting iron in permanent molds. E. A. Custer. No. 1,097,848; May 26; Gaz. vol. 202; p. 1042.
- Casting iron in permanent molds. E. A. Custer. No. 1,104,037; July 21; Gaz. vol. 204; p. 718.
- Casting-machine. J. Burkhardt. No. 1,108,693; Aug. 25; Gaz. vol. 205; p. 1224.
- Casting-machine. J. Burkhardt. No. 1,108,694; Aug. 25; Gaz. vol. 205; p. 1225.
- Casting-machine. W. Dietrich. No. 1,104,728; July 21; Gaz. vol. 204; p. 957.
- Casting machine, Metal-. J. J. McGuire. No. 1,116,720; Nov. 10; Gaz. vol. 208; p. 475.
- Casting mechanism. W. T. Hurst. No. 1,115,201; Oct. 27; Gaz. vol. 207; p. 1116.
- Casting metals. A. M. Craig. No. 1,107,905; Aug. 18; Gaz. vol. 205; p. 903.
- Casting metals and the like, Apparatus for. C. W. Seymour. No. 1,101,816; June 30; Gaz. vol. 203; p. 1370.
- Casting metals, Manufacture of molds for. C. J. M. Bohl. No. 1,086,582; Feb. 10; Gaz. vol. 199; p. 397.
- Casting method and apparatus. C. W. Miles. No. 1,123,134; Dec. 29; Gaz. vol. 209; p. 1633.
- Casting-reel. E. F. Wells. No. 1,114,084; Oct. 20; Gaz. vol. 207; p. 666.
- Castings, Making. C. M. Grey. No. 1,112,694; Oct. 6; Gaz. vol. 207; p. 102.
- Castings, Making. W. C. Urban. No. 1,112,496; Oct. 6; Gaz. vol. 207; p. 29.
- Castings, Making sound steel. L. B. Lindemuth. No. 1,116,899; Nov. 10; Gaz. vol. 208; p. 538.
- Castings, Manufacturing tubular metal. H. Brosch. No. 1,111,641; Sept. 22; Gaz. vol. 206; p. 1104.
- Castings, Means for forming undercut. F. E. Canda. No. 1,087,435; Feb. 17; Gaz. vol. 199; p. 742.
- Castings, Method of and apparatus for testing. E. I. Dodds. No. 1,096,229; May 12; Gaz. vol. 202; p. 395.
- Castings-testing apparatus. E. I. Dodds. No. 1,096,158; May 12; Gaz. vol. 202; p. 371.
- Castings-testing apparatus. E. I. Dodds. No. 1,096,159; May 12; Gaz. vol. 202; p. 371.
- Catalogue and envelop therefor, Revisable commercial. I. E. Palmer. No. 1,094,923; Apr. 28; Gaz. vol. 201; p. 1090.
- Catalysts, Making. W. O. Snelling. No. 1,122,811; Dec. 29; Gaz. vol. 209; p. 1519.
- Catalysts, Manufacture of. A. Schwarzman. No. 1,111,502; Sept. 22; Gaz. vol. 206; p. 1055.
- Catalytic material and producing the same. T. Boberg. No. 1,093,377; Apr. 14; Gaz. vol. 201; p. 466.
- Catalytic reactions, Effecting. O. C. Hagemann and C. Baskerville. No. 1,083,930; Jan. 13; Gaz. vol. 198; p. 250.
- Catalyzer and making catalytic material. C. Ellis. No. 1,084,258; Jan. 13; Gaz. vol. 198; p. 362.
- Catalyzer and making same. C. Ellis. No. 1,088,673; Feb. 24; Gaz. vol. 199; p. 1210.
- Catalyzers and apparatus therefor, Preparing. C. Ellis. No. 1,084,202; Jan. 13; Gaz. vol. 198; p. 344.
- Catalyzers, Making. C. Ellis. No. 1,092,206; Apr. 7; Gaz. vol. 201; p. 29.
- Catamaran. J. Lombardi. No. 1,093,196; Apr. 14; Gaz. vol. 201; p. 403.
- Catamenial appliance. J. B. Des Rosiers. No. 1,110,674; Sept. 15; Gaz. vol. 206; p. 727.
- Catamenial appliance. L. G. Milkes. No. 1,108,206; Aug. 25; Gaz. vol. 205; p. 1057.
- Catamenial appliance. J. C. Myers. No. 1,122,988; Dec. 29; Gaz. vol. 209; p. 1582.
- Catamenial device. J. Jorgenson. No. 1,113,561; Oct. 13; Gaz. vol. 207; p. 445.
- Catamenial sack. A. L. Westfall. No. 1,100,108; June 16; Gaz. vol. 203; p. 677.
- Catch. F. C. Socin. No. 1,119,892; Dec. 8; Gaz. vol. 209; p. 377.
- Catch-basin. J. F. Rothe. No. 1,117,250; Nov. 17; Gaz. vol. 208; p. 700.
- Catch-hook and clasp, Expansion-link. C. L. Depollier. No. 1,088,550; Feb. 24; Gaz. vol. 199; p. 1170.
- Catch-hook, Expansion-link. C. L. Depollier. No. 1,088,549; Feb. 24; Gaz. vol. 199; p. 1169.
- Catch-plates to strips, Machine for attaching. J. E. Mayo. No. 1,084,219; Jan. 13; Gaz. vol. 198; p. 350.
- Catch, Safety-. C. D. Heaton. No. 1,102,503; July 7; Gaz. vol. 204; p. 98.
- Catch, Safety-. S. Unger. No. 1,085,884; Feb. 3; Gaz. vol. 199; p. 108.
- Catheter-case. O. B. Schellberg. No. 1,120,549; Dec. 8; Gaz. vol. 209; p. 609.
- Catheter-user's around-town apparatus. J. F. Spalding. No. 1,100,157; June 16; Gaz. vol. 203; p. 695.
- Catsup-making apparatus. G. R. Fields. No. 1,107,161; Aug. 11; Gaz. vol. 205; p. 594.
- Cattle-guard. A. C. Brixen. No. 1,094,834; Apr. 28; Gaz. vol. 201; p. 1060.
- Cattle-guard. M. Fillion. No. 1,110,915; Sept. 15; Gaz. vol. 206; p. 811.
- Cattle-guard. D. Grant. No. 1,090,979; Mar. 24; Gaz. vol. 200; p. 912.
- Cattle-guard. V. E. Kent. No. 1,102,056; June 30; Gaz. vol. 203; p. 1457.
- Cattle-guard. V. E. Kent and J. A. Martin. No. 1,102,057; June 30; Gaz. vol. 203; p. 1457.
- Cattle-guard. A. D. McColeman. No. 1,085,456; Jan. 27; Gaz. vol. 198; p. 831.
- Cattle-guard. E. L. McCormick. No. 1,108,202; Aug. 25; Gaz. vol. 205; p. 1055.
- Cattle-guard. W. E. Nelson. No. 1,103,372; July 14; Gaz. vol. 204; p. 446.
- Cattle-guard. F. M. Petty. No. 1,102,295; July 7; Gaz. vol. 204; p. 26.
- Cattle-guard. C. Skinner. No. 1,109,552; Sept. 1; Gaz. vol. 206; p. 243.
- Cattle-guard. H. P. Spencer. No. 1,112,939; Oct. 6; Gaz. vol. 207; p. 183.

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- Cattle-guard. H. Wardlow. No. 1,096,082; May 12; Gaz. vol. 202; p. 345.
- Causeway, Portable. C. G. Steelman and W. H. Fenton. No. 1,098,595; June 2; Gaz. vol. 203; p. 83.
- Ceiling-hanger, Adjustable. A. W. Herbert. No. 1,096,806; May 12; Gaz. vol. 202; p. 591.
- Ceiling-light structure. S. D. R. Braun. No. 1,116,233; Nov. 3; Gaz. vol. 208; p. 262.
- Cellings and walls, Dowel-casing for fixing in. W. Schmidt. No. 1,086,861; Feb. 10; Gaz. vol. 199; p. 495.
- Celery-handler. F. Ball. No. 1,117,625; Nov. 17; Gaz. vol. 208; p. 831.
- Celery-wrapping machine. M. W. Earl. No. 1,107,273; Aug. 18; Gaz. vol. 205; p. 681.
- Cell-case machine. J. Starman. No. 1,110,656; Sept. 15; Gaz. vol. 206; p. 720.
- Cell-cases, Machine for making. W. Bodge. No. 1,097,840; May 26; Gaz. vol. 202; p. 1039.
- Cellose into fermentable sugar, Converting of. P. G. Ekström. No. 1,087,744; Feb. 17; Gaz. vol. 199; p. 851.
- Cellose, Producing. P. G. Ekström. No. 1,087,743; Feb. 17; Gaz. vol. 199; p. 851.
- Celluloid-covered article, Sheet. G. H. Swezey. No. 1,101,972; June 30; Gaz. vol. 203; p. 1426.
- Celluloid or like substitutes, Manufacture of. L. L. T. Labbé. No. 1,112,297; Sept. 29; Gaz. vol. 206; p. 1366.
- Cellulose acetate soluble in ethyl acetate, Making a. F. Collischonn and F. Ruppert. No. 1,109,512; Sept. 1; Gaz. vol. 206; p. 230.
- Cellulose and obtaining the same, Compound or derivative of. E. Knoevenagel. No. 1,090,074; Mar. 10; Gaz. vol. 200; p. 528.
- Cellulose compound. D. E. Reid. No. 1,116,627; Nov. 10; Gaz. vol. 208; p. 443.
- Cellulose formates and making same. O. Bonhoeffer and H. Guntrum. No. 1,093,247; Apr. 14; Gaz. vol. 201; p. 421.
- Cellulose from raw vegetable materials containing cellulose fibers, Manufacture of. L. Brech and E. Tybrowski. No. 1,100,519; June 16; Gaz. vol. 203; p. 818.
- Cellulose, Manufacturing viscose solution from wood-. A. Bernstein. No. 1,121,605; Dec. 22; Gaz. vol. 209; p. 1060.
- Cement. A. G. Tessler. No. 1,122,554; Dec. 29; Gaz. vol. 209; p. 1427.
- Cement, Alkaline. J. H. Amies. No. 1,087,914; Feb. 24; Gaz. vol. 199; p. 953.
- Cement, Alkaline. J. H. Amies. No. 1,088,646; Feb. 24; Gaz. vol. 199; p. 1201.
- Cement and making same, Water-repellent. C. Ellis. No. 1,109,120; Sept. 1; Gaz. vol. 206; p. 93.
- Cement, Artificial-stone. G. Capece. No. 1,103,483; July 14; Gaz. vol. 204; p. 484.
- Cement-beam mold. J. W. Vaughan. No. 1,113,387; Oct. 13; Gaz. vol. 207; p. 384.
- Cement-block construction. D. McIntyre. No. 1,084,098; Jan. 13; Gaz. vol. 198; p. 308.
- Cement-block-making machine. J. M. Crocker and F. Tappan. No. 1,101,413; June 23; Gaz. vol. 203; p. 1179.
- Cement-block-making machine, Hydraulic. W. L. Keny. (Reissue.) No. 13,803; Sept. 22; Gaz. vol. 206; p. 1136.
- Cement-block-molding machine. J. C. Griffith. No. 1,096,905; May 19; Gaz. vol. 202; p. 668.
- Cement-block-molding machines, Tamping attachment for. H. Baute. No. 1,101,986; June 30; Gaz. vol. 203; p. 1431.
- Cement building construction. B. A. Ham. No. 1,117,040; Nov. 10; Gaz. vol. 208; p. 587.
- Cement-burning apparatus. C. Ellis. No. 1,116,044; Nov. 3; Gaz. vol. 208; p. 197.
- Cement-coating composition. C. Ellis. No. 1,112,059; Sept. 29; Gaz. vol. 206; p. 1283.
- Cement, Elastic. J. D. Edmiston. No. 1,122,883; Dec. 29; Gaz. vol. 209; p. 1545.
- Cement-forming apparatus. A. Dziemian. No. 1,113,317; Oct. 13; Gaz. vol. 207; p. 358.
- Cement from molten blast-furnace slag, Producing. W. Lessing. No. 1,115,321; Oct. 27; Gaz. vol. 207; p. 1155.
- Cement goods, Producing smooth, glossy, or glazed coating on. A. Weithaler. No. 1,101,823; June 30; Gaz. vol. 203; p. 1372.
- Cement-liquid-applying machine. J. and R. Gell. No. 1,119,271; Dec. 1; Gaz. vol. 209; p. 127.
- Cement, Making. H. L. Duncan. No. 1,113,606; Oct. 13; Gaz. vol. 207; p. 459.
- Cement-making apparatus. H. L. Duncan. No. 1,113,933; Oct. 13; Gaz. vol. 207; p. 573.
- Cement, Making magnesium. W. Siegmann. No. 1,102,358; July 7; Gaz. vol. 204; p. 47.
- Cement-manufacturing apparatus. F. Worm. No. 1,092,551; Apr. 7; Gaz. vol. 201; p. 147.
- Cement post. J. J. Cook. No. 1,100,537; June 16; Gaz. vol. 203; p. 824.
- Cement-post machine. E. J. Condon. No. 1,094,642; Apr. 28; Gaz. vol. 201; p. 991.
- Cement product and producing the same, Colored. H. A. Gardner. No. 1,100,129; June 16; Gaz. vol. 203; p. 684.
- Cement-scraper. A. Hochstrasser. No. 1,114,986; Oct. 27; Gaz. vol. 207; p. 1038.
- Cement structure and making same, Colored. H. A. Gardner. No. 1,106,298; Aug. 4; Gaz. vol. 205; p. 245.
- Cement, Treating Portland and similar. H. J. Force. No. 1,085,977; Feb. 3; Gaz. vol. 199; p. 142.
- Cement, Waterproof. H. B. Chalmers. No. 1,112,890; Oct. 6; Gaz. vol. 207; p. 167.
- Cement-weather-board construction. T. F. Assip. No. 1,116,202; Nov. 3; Gaz. vol. 208; p. 251.
- Cement-work guard. S. H. Dolbear. No. 1,101,909; June 30; Gaz. vol. 203; p. 1403.
- Cement-working machinery. C. M. Eberling. No. 1,106,089; Aug. 4; Gaz. vol. 205; p. 176.
- Cementing-machine. R. J. Burns. No. 1,087,272; Feb. 17; Gaz. vol. 199; p. 685.
- Cementing-machine. E. Erickson. No. 1,118,542; Nov. 24; Gaz. vol. 208; p. 1194.
- Cementitious composition, Making a. W. E. Carson. No. 1,095,180; Apr. 28; Gaz. vol. 201; p. 1180.
- Cementitious compound. D. J. Morris. No. 1,096,384; May 12; Gaz. vol. 202; p. 449.
- Cementitious elements, Method of and apparatus for producing. A. C. Chenoweth. No. 1,101,727; June 30; Gaz. vol. 203; p. 1338.
- Cementitious materials, Hardening. A. C. Horn. No. 1,114,140; Oct. 20; Gaz. vol. 207; p. 686.
- Cementitious product and making same. W. E. Carson. No. 1,094,876; Apr. 28; Gaz. vol. 201; p. 1073.
- Center-finder. J. Ogg. No. 1,105,917; Aug. 4; Gaz. vol. 205; p. 115.
- Center-gage. J. M. Tormey. No. 1,096,769; May 12; Gaz. vol. 202; p. 577.
- Center-indicator. A. G. Berg and J. H. Root. No. 1,093,027; Apr. 14; Gaz. vol. 201; p. 343.
- Center plate. L. H. Turner. No. 1,121,150; Dec. 15; Gaz. vol. 209; p. 870.
- Center-sill construction. P. Parke. No. 1,115,861; Nov. 3; Gaz. vol. 208; p. 134.
- Centering device. G. Gabriel. No. 1,089,407; Mar. 10; Gaz. vol. 200; p. 296.
- Centrifugal burner. J. H. Becker. No. 1,101,779; June 30; Gaz. vol. 203; p. 1357.
- Centrifugal compressors, Discharge-vanes for. L. C. Loewenstein. No. 1,085,274; Jan. 27; Gaz. vol. 198; p. 770.
- Centrifugal compressors, Means for preventing surging in. S. A. Moss. No. 1,085,286; Jan. 27; Gaz. vol. 198; p. 774.
- Centrifugal compressors operating in parallel, Governing mechanism for. R. Tröger. No. 1,121,956; Dec. 22; Gaz. vol. 209; p. 1185.
- Centrifugal device. J. D. Taylor. No. 1,120,252; Dec. 8; Gaz. vol. 209; p. 503.
- Centrifugal drier. F. B. Anderson. No. 1,122,460; Dec. 29; Gaz. vol. 209; p. 1395.
- Centrifugal extractor. O. C. Beach. No. 1,105,954; Aug. 4; Gaz. vol. 205; p. 129.
- Centrifugal extractor. E. F. Poland. No. 1,094,589; Apr. 28; Gaz. vol. 201; p. 971.
- Centrifugal-extractor covers, Pneumatic-controlled lock for. W. Bartholomew and F. Balzer. No. 1,111,001; Sept. 22; Gaz. vol. 206; p. 883.
- Centrifugal extractors, Safety-guard for. W. Bartholomew, J. F. Broderick, and F. Balzer. No. 1,120,388; Dec. 8; Gaz. vol. 209; p. 551.
- Centrifugal governor, Multiplying. H. A. Weidenbach. No. 1,099,222; June 9; Gaz. vol. 203; p. 335.
- Centrifugal machine. J. Hamill. No. 1,119,350; Dec. 1; Gaz. vol. 209; p. 155.
- Centrifugal machine. G. ter Meer. No. 1,094,230; Apr. 21; Gaz. vol. 201; p. 790.
- Centrifugal machines, Basket for. E. Roberts and A. H. Gibson. No. 1,108,098; Aug. 18; Gaz. vol. 205; p. 972.
- Centrifugal machines, Elastic bearing for. G. P. Fowier. No. 1,111,372; Sept. 22; Gaz. vol. 206; p. 1010.
- Centrifugal machines, Supporting and driving means for. M. H. Barker. No. 1,103,341; July 14; Gaz. vol. 204; p. 436.
- Centrifugal separation. J. Resines. No. 1,097,561; May 19; Gaz. vol. 202; p. 897.
- Centrifugal separator. E. Köpke. No. 1,117,195; Nov. 17; Gaz. vol. 208; p. 681.
- Centrifugal separator. E. Köpke. No. 1,119,173; Dec. 1; Gaz. vol. 209; p. 95.
- Centrifugal separator. E. W. Köpke. No. 1,119,175; Dec. 1; Gaz. vol. 209; p. 96.
- Centrifugal separator. E. Köpke. No. 1,119,176; Dec. 1; Gaz. vol. 209; p. 96.
- Centrifugal separator. W. Mauss. No. 1,111,600; Sept. 22; Gaz. vol. 206; p. 1089.
- Centrifugal separator. W. Mauss. No. 1,115,852; Nov. 3; Gaz. vol. 208; p. 131.
- Centrifugal-separator bearing. C. K. Salisbury. No. 1,119,456; Dec. 1; Gaz. vol. 209; p. 191.
- Centrifugal separator for dust-collecting systems. J. F. Fernoch and R. L. Baker. No. 1,116,403; Nov. 10; Gaz. vol. 208; p. 359.
- Centrifugal separators, Distributing-tube for. J. W. Wilford and C. C. Wood. No. 1,096,000; May 5; Gaz. vol. 202; p. 280.

Alphabetical list of inventions—Continued.

- Centrifugal separators, Milk-receptacle for. C. A. Hult and K. A. E. Tinnberg. No. 1,112,213; Sept. 29; Gaz. vol. 206; p. 1338.
- Centrifugal switch. C. F. Sullivan. No. 1,122,332; Dec. 29; Gaz. vol. 209; p. 1353.
- Centrifugal switch. E. M. Tormin. No. 1,108,088; Aug. 18; Gaz. vol. 205; p. 968.
- Centrifugalizing-machines and the like, Feed-regulator for. S. H. Hall. No. 1,121,622; Dec. 22; Gaz. vol. 209; p. 1067.
- Centrifugally-operated switch. A. J. Brown. No. 1,101,994; June 30; Gaz. vol. 203; p. 1434.
- Ceramic material. A. Malinovszky. No. 1,110,449; Sept. 15; Gaz. vol. 206; p. 647.
- Ceramic process and machine. R. T. Stull. No. 1,096,648; May 12; Gaz. vol. 202; p. 538.
- Ceramic substances, Process to lower the vitrifying-point of. B. Schwerin. No. 1,121,408; Dec. 15; Gaz. vol. 209; p. 956.
- Cereal extracts, Manufacture of. A. Nilsson. No. 1,120,328; Dec. 8; Gaz. vol. 209; p. 530.
- Cereal process and product. W. W. and G. H. Saunders. No. 1,097,882; May 26; Gaz. vol. 202; p. 1055.
- Cereal products, Moisture-indicator for. F. C. Atkinson. No. 1,112,247; Sept. 29; Gaz. vol. 206; p. 1350.
- Cereals into unitary compound forms, Machine for manufacturing different varieties of. H. D. Perky. No. 1,095,024; Apr. 28; Gaz. vol. 201; p. 1125.
- Cereals, Treating. W. E. Collins. No. 1,103,660; July 14; Gaz. vol. 204; p. 549.
- Cesspool. E. O. Lawrence. No. 1,102,674; July 7; Gaz. vol. 204; p. 158.
- Chain. E. G. Bek. No. 1,104,606; July 21; Gaz. vol. 204; p. 916.
- Chain. H. Brassler. No. 1,092,427; Apr. 7; Gaz. vol. 201; p. 105.
- Chain. H. Cockshaw. No. 1,102,645; July 7; Gaz. vol. 204; p. 150.
- Chain. J. M. Dodge. No. 1,086,146; Feb. 3; Gaz. vol. 199; p. 202.
- Chain. H. Howson. No. 1,115,431; Oct. 27; Gaz. vol. 207; p. 1192.
- Chain and bucket connection. W. P. Coldren. No. 1,111,823; Sept. 29; Gaz. vol. 206; p. 1204.
- Chain and flight connection. W. P. Coldren. No. 1,113,309; Oct. 13; Gaz. vol. 207; p. 356.
- Chain attachment. G. W. Goodridge. No. 1,103,760; July 14; Gaz. vol. 204; p. 582.
- Chain, Bead. W. J. Gagnon. No. 1,117,829; Nov. 17; Gaz. vol. 208; p. 906.
- Chain-clamp. G. Graham. No. 1,117,662; Nov. 17; Gaz. vol. 208; p. 846.
- Chain-clasp or safety-catch. D. E. Hemphill. No. 1,089,340; Mar. 3; Gaz. vol. 200; p. 226.
- Chain, Concealed-wire-supporting. W. H. Blake. No. 1,098,779; June 2; Gaz. vol. 203; p. 143.
- Chain construction. F. A. Taylor. No. 1,098,597; June 2; Gaz. vol. 203; p. 83.
- Chain conveyer. H. B. Holt. No. 1,122,204; Dec. 22; Gaz. vol. 209; p. 1269.
- Chain-coupling. P. C. Richter. No. 1,119,636; Dec. 1; Gaz. vol. 209; p. 254.
- Chain, Drive. F. L. Morse. No. 1,105,288; July 28; Gaz. vol. 204; p. 1199.
- Chain, Drive. F. L. Morse. No. 1,115,960; Nov. 3; Gaz. vol. 208; p. 169.
- Chain, Drive. F. L. Morse. No. 1,120,961; Dec. 15; Gaz. vol. 209; p. 801.
- Chain, Drive. G. W. Wilmot. No. 1,109,808; Sept. 8; Gaz. vol. 206; p. 375.
- Chain, Drive. G. W. Wilmot. No. 1,109,809; Sept. 8; Gaz. vol. 206; p. 376.
- Chain, Drive. G. W. Wilmot and J. H. Weston. No. 1,122,831; Dec. 29; Gaz. vol. 209; p. 1526.
- Chain-drive with reverse. L. Hansen. No. 1,115,815; Nov. 3; Gaz. vol. 208; p. 117.
- Chain, Driving. A. Brampton and G. Wadhams. No. 1,090,380; Mar. 17; Gaz. vol. 200; p. 676.
- Chain expanding and contracting device. F. Hamachek. No. 1,109,834; Sept. 8; Gaz. vol. 206; p. 385.
- Chain-grip-attaching machine. W. B. Lashar. No. 1,103,064; July 14; Gaz. vol. 204; p. 340.
- Chain guide, Pull. E. H. Freeman. No. 1,096,421; May 12; Gaz. vol. 202; p. 461.
- Chain housing, Sprocket. E. F. Altman. No. 1,113,148; Oct. 6; Gaz. vol. 207; p. 254.
- Chain-link. J. M. Dodge. No. 1,094,200; Apr. 21; Gaz. vol. 201; p. 780.
- Chain-link. S. D. Locke. No. 1,107,808; Aug. 18; Gaz. vol. 205; p. 871.
- Chain-link. M. B. Ryan. No. 1,093,208; Apr. 14; Gaz. vol. 201; p. 407.
- Chain-link. H. Taylor. No. 1,091,255; Mar. 24; Gaz. vol. 200; p. 1009.
- Chain link connection, Driving. C. Terry. No. 1,121,053; Dec. 15; Gaz. vol. 209; p. 834.
- Chain-link, Repair. P. McCaul. No. 1,085,455; Jan. 27; Gaz. vol. 198; p. 831.
- Chain-link, Wire. M. B. Ryan. No. 1,093,209; Apr. 14; Gaz. vol. 201; p. 408.
- Chain-links. J. M. Dodge. No. 1,119,582; Dec. 1; Gaz. vol. 209; p. 236.
- Chain-links, Making. F. G. Breul. No. 1,084,250; Jan. 13; Gaz. vol. 198; p. 360.
- Chain links, Making conveyer. W. P. Coldren. No. 1,111,564; Sept. 22; Gaz. vol. 206; p. 1076.
- Chain-links, Tool for opening and closing. L. Conne. No. 1,106,439; Aug. 11; Gaz. vol. 205; p. 338.
- Chain-links, Tool for opening and closing. S. Rosenberg. No. 1,113,693; Oct. 13; Gaz. vol. 207; p. 490.
- Chain-making apparatus. H. Osswald. No. 1,107,831; Aug. 18; Gaz. vol. 205; p. 879.
- Chain-making machine. S. D. Locke. No. 1,107,809; Aug. 18; Gaz. vol. 205; p. 871.
- Chain, Making welded. M. B. Ryan. No. 1,093,207; Apr. 14; Gaz. vol. 201; p. 407.
- Chain mesh, Machine for making. W. H. Eynon. No. 1,086,810; Feb. 10; Gaz. vol. 199; p. 476.
- Chain, Metallic link. E. A. Bohlman. No. 1,103,026; July 14; Gaz. vol. 204; p. 327.
- Chain-mold. I. Lablanc. No. 1,083,841; Jan. 6; Gaz. vol. 198; p. 190.
- Chain rack, Pattern. S. B. Taft and L. H. Landry. No. 1,085,767; Feb. 3; Gaz. vol. 199; p. 69.
- Chain-reel. A. A. Beals. No. 1,112,968; Oct. 6; Gaz. vol. 207; p. 194.
- Chain-repair link. J. Buckley. No. 1,083,661; Jan. 6; Gaz. vol. 198; p. 133.
- Chain-repair link. G. C. Soule. No. 1,100,103; June 16; Gaz. vol. 203; p. 675.
- Chain, Safety switch. H. C. Gerlach and W. H. Thompson. No. 1,095,393; May 5; Gaz. vol. 202; p. 75.
- Chain, Skid. J. A. McDonald. No. 1,091,437; Mar. 24; Gaz. vol. 200; p. 1066.
- Chain split link. R. S. Laughlin. No. 1,118,657; Nov. 24; Gaz. vol. 208; p. 1234.
- Chain-stitch machine, Multiple-needle single. L. Onderdonk. No. 1,118,574; Nov. 24; Gaz. vol. 208; p. 1205.
- Chain-support. W. H. Murray. No. 1,084,813; Jan. 20; Gaz. vol. 198; p. 577.
- Chain-tightener. W. Craine. No. 1,112,680; Oct. 6; Gaz. vol. 207; p. 97.
- Chain-tool. J. A. Anderson. No. 1,087,565; Feb. 17; Gaz. vol. 199; p. 788.
- Chain, Universal-link. J. J. Irvin. No. 1,105,518; July 28; Gaz. vol. 204; p. 1283.
- Chain, Wire. D. McGregor. No. 1,086,383; Feb. 10; Gaz. vol. 199; p. 325.
- Chain wrench. G. W. Gruver. No. 1,086,323; Feb. 3; Gaz. vol. 199; p. 258.
- Chain wrench. W. H. O'Neill. No. 1,086,725; Feb. 10; Gaz. vol. 199; p. 445.
- Chain wrench. F. M. Simpson. No. 1,104,146; July 21; Gaz. vol. 204; p. 755.
- Chains, Apparatus for eliminating initial stretch of drive. E. F. Morse. No. 1,086,839; Feb. 10; Gaz. vol. 199; p. 486.
- Chains, Bowl for suspension. S. Garvin. No. 1,122,494; Dec. 29; Gaz. vol. 209; p. 1406.
- Chains, Eliminating initial stretch of drive. E. F. Morse. No. 1,086,838; Feb. 10; Gaz. vol. 199; p. 485.
- Chains, Making. L. E. McKinnon. No. 1,085,625; Feb. 3; Gaz. vol. 199; p. 16.
- Chains on belts, Device for supporting watch. L. Heflin. No. 1,090,054; Mar. 10; Gaz. vol. 200; p. 521.
- Chair. See Adjustable chair; Arm-chair; Barber's chair; Collapsible chair; Combination-chair; Convertible chair; Display-chair; Elevating-chair; Field-chair; Foldable chair; Folding chair; Folding and reclining chair; Folding or camp chair; High chair; Life-saving steamer-chair; Lineman's chair; Nursery-chair; Opera-chair; Pedal-chair; Portable chair; Rail-chair; Rail-joint chair; Railway-chair; Reclining-chair; Revolvable office-chair; Shingler's chair; Swing-chair; Switch-chair; Wheel-chair; Window-chair.
- Chair. J. K. Bergmark. No. 1,112,969; Oct. 6; Gaz. vol. 207; p. 194.
- Chair. H. E. Erb. No. 1,097,405; May 19; Gaz. vol. 202; p. 845.
- Chair. E. W. Hedberg. No. 1,117,379; Nov. 17; Gaz. vol. 208; p. 746.
- Chair. H. Heyer. No. 1,088,419; Feb. 24; Gaz. vol. 199; p. 1127.
- Chair. C. Knauer. No. 1,095,890; May 5; Gaz. vol. 202; p. 243.
- Chair. G. D. Smith. No. 1,117,712; Nov. 17; Gaz. vol. 208; p. 864.
- Chair. W. W. Turner. No. 1,108,030; Aug. 18; Gaz. vol. 205; p. 948.
- Chair. A. E. Young. No. 1,111,936; Sept. 29; Gaz. vol. 206; p. 1244.
- Chair and basket, Combined. B. H. Goldstein. No. 1,092,039; Mar. 31; Gaz. vol. 200; p. 1315.
- Chair and bed, Combination. E. G. Danberg. No. 1,122,696; Dec. 29; Gaz. vol. 209; p. 1479.
- Chair and cradle, Combined. E. M. M. Dimmerling. No. 1,107,918; Aug. 18; Gaz. vol. 205; p. 907.
- Chair and table-leaf, Combined. W. B. Cogger. No. 1,093,686; Apr. 21; Gaz. vol. 201; p. 610.
- Chair attachment. H. Greenwood, Sr. No. 1,088,982; Mar. 3; Gaz. vol. 200; p. 107.

Alphabetical list of inventions—Continued.

- Chair attachment, High-. G. C. Lynch. No. 1,103,597; July 14; Gaz. vol. 204; p. 525.
- Chair attachment, Rocking-. P. Kleckner. No. 1,116,295; Nov. 3; Gaz. vol. 208; p. 281.
- Chair-back. W. F. Koken. No. 1,098,158; May 26; Gaz. vol. 202; p. 1152.
- Chair-brace. J. Bouska. No. 1,096,016; May 12; Gaz. vol. 202; p. 323.
- Chair controller, Motor-. C. B. Chrysler. No. 1,098,939; June 2; Gaz. vol. 203; p. 198.
- Chair fan attachment, Rocking-. A. A. Brodeur. No. 1,093,529; Apr. 14; Gaz. vol. 201; p. 512.
- Chair fan attachment, Rocking-. W. W. Shirley. No. 1,110,652; Sept. 15; Gaz. vol. 206; p. 718.
- Chair for sewing-machines and the like. F. H. Hagner. No. 1,110,486; Sept. 15; Gaz. vol. 206; p. 660.
- Chair iron, Swivel-. F. H. Westlake, A. Huck, and J. L. Isaacs. No. 1,114,418; Oct. 20; Gaz. vol. 207; p. 786.
- Chair or seat. H. W. Moore. No. 1,100,901; June 23; Gaz. vol. 203; p. 1003.
- Chair-repairing machines, Work-support for. F. J. Tuma. No. 1,122,442; Dec. 29; Gaz. vol. 209; p. 1388.
- Chair, sofa, and similar furniture. E. A. Hofstatter. No. 1,114,476; Oct. 20; Gaz. vol. 207; p. 808.
- Chair, swing, and jumper, Combined. A. C. Seeger. No. 1,089,276; Mar. 3; Gaz. vol. 200; p. 206.
- Chair-tilt. J. E. Battey. No. 1,112,108; Sept. 29; Gaz. vol. 206; p. 1301.
- Chairs, Bellows attachment for. A. J. Schroeder. No. 1,109,473; Sept. 1; Gaz. vol. 206; p. 217.
- Chairs, Registering attachment for barbers'. P. Amadeo. No. 1,101,981; June 30; Gaz. vol. 203; p. 1428.
- Chairs, Spring-bottom for. J. T. Crocker. No. 1,111,008; Sept. 22; Gaz. vol. 206; p. 885.
- Chairs, stools, &c., Adjustable support for. M. L. MacRae. No. 1,114,896; Oct. 27; Gaz. vol. 207; p. 1005.
- Chalice, Hygienic. C. J. Ljunggren. No. 1,118,364; Nov. 24; Gaz. vol. 208; p. 1130.
- Chalk-holder. H. R. Hirst and D. Ungaro. No. 1,114,693; Oct. 20; Gaz. vol. 207; p. 880.
- Chalk-holder. N. Michanek. No. 1,104,815; July 28; Gaz. vol. 204; p. 1036.
- Chalk-holder. T. R. Treiber. No. 1,088,304; Feb. 24; Gaz. vol. 199; p. 1090.
- Chalk holder, Billiard-cue-. G. G. Gilbert. No. 1,097,088; May 19; Gaz. vol. 202; p. 735.
- Chalk-holding means. G. E. Garon. No. 1,103,955; July 21; Gaz. vol. 204; p. 691.
- Chalk-trough screen, Sanitary. F. W. Robison. No. 1,097,468; May 19; Gaz. vol. 202; p. 865.
- Chance device. J. T. Germany. No. 1,116,264; Nov. 3; Gaz. vol. 208; p. 271.
- Chance device. L. L. Van Zandt. No. 1,096,330; May 12; Gaz. vol. 202; p. 432.
- Chandelier. W. Potts. No. 1,088,722; Mar. 3; Gaz. vol. 200; p. 18.
- Chandelier, Adjustable electric-light. M. J. Lindahl. No. 1,104,202; July 21; Gaz. vol. 204; p. 774.
- Chandelier and fixture. W. Lumley. No. 1,119,618; Dec. 1; Gaz. vol. 209; p. 248.
- Chandelier, Extension-. C. M. Pitel. No. 1,113,480; Oct. 13; Gaz. vol. 207; p. 417.
- Change-delivery device. C. A. E. Nelson. No. 1,097,764; May 26; Gaz. vol. 202; p. 1013.
- Change-giving apparatus. S. Chiger. No. 1,086,510; Feb. 10; Gaz. vol. 199; p. 370.
- Change-holder. J. H. Maxwell. No. 1,089,939; Mar. 10; Gaz. vol. 200; p. 484.
- Change-maker. J. S. Strickler. No. 1,110,159; Sept. 8; Gaz. vol. 206; p. 505.
- Change-making machine. E. B. Birkenbeuel. No. 1,116,375; Nov. 10; Gaz. vol. 208; p. 350.
- Change-making machine. K. Maier. No. 1,115,849; Nov. 3; Gaz. vol. 208; p. 130.
- Change-making machine. K. Maier. No. 1,115,850; Nov. 3; Gaz. vol. 208; p. 131.
- Change-making machine. J. Staziak. No. 1,085,766; Feb. 3; Gaz. vol. 199; p. 68.
- Change-making machine. C. C. Voglesong. No. 1,092,313; Apr. 7; Gaz. vol. 201; p. 67.
- Change-receiving device. C. H. Hyman. No. 1,106,385; Aug. 11; Gaz. vol. 205; p. 320.
- Channel-flap-turning machine. G. L. Rollins. No. 1,120,335; Dec. 8; Gaz. vol. 209; p. 532.
- Channel-furnace for burning ore-bricks. A. Ramén. No. 1,089,868; Mar. 10; Gaz. vol. 200; p. 457.
- Channeling-machine. F. E. Bertrand. No. 1,098,010; May 26; Gaz. vol. 202; p. 1102.
- Channeling-machine. F. H. Perry. No. 1,102,294; July 7; Gaz. vol. 204; p. 25.
- Channeling-machine. H. W. Winter. No. 1,115,046; Oct. 27; Gaz. vol. 207; p. 1059.
- Chaplet. O. F. Lindberg. No. 1,089,001; Mar. 3; Gaz. vol. 200; p. 112.
- Chaplet-machine. B. B. Kahn. No. 1,111,750; Sept. 29; Gaz. vol. 206; p. 1177.
- Characters, Apparatus for forming. J. R. Hershey. No. 1,085,336; Jan. 27; Gaz. vol. 198; p. 791.
- Characters, Forming. J. R. Hershey. No. 1,109,332; Sept. 1; Gaz. vol. 206; p. 169.
- Charcoal, Making. L. Félizat. No. 1,087,486; Feb. 17; Gaz. vol. 199; p. 760.
- Charcoal, Manufacture of. O. Wright. No. 1,092,418; Apr. 7; Gaz. vol. 201; p. 102.
- Charm. C. H. Dunlap. No. 1,095,829; May 5; Gaz. vol. 202; p. 223.
- Chart. C. H. Thurber. No. 1,087,336; Feb. 17; Gaz. vol. 199; p. 707.
- Chart, drawing-board, and writing-desk, Combined educational. G. A. Henderson. No. 1,084,331; Jan. 13; Gaz. vol. 198; p. 387.
- Chart for use in determining minerals and other substances. V. H. McNutt. No. 1,087,174; Feb. 17; Gaz. vol. 199; p. 649.
- Chart for vehicles. G. E. Boyden. No. 1,113,747; Oct. 13; Gaz. vol. 207; p. 509.
- Chart or map. A. B. Maull. No. 1,110,217; Sept. 8; Gaz. vol. 206; p. 524.
- Check, Baggage-. T. G. Portmore. No. 1,089,154; Mar. 3; Gaz. vol. 200; p. 163.
- Check, Bank-. L. H. Mudge. No. 1,109,453; Sept. 1; Gaz. vol. 206; p. 211.
- Check-controlled apparatus. H. E. Erwin and H. M. Gorsline. No. 1,102,894; July 7; Gaz. vol. 204; p. 233.
- Check-controlled apparatus. W. J. Fisher. No. 1,103,952; July 21; Gaz. vol. 204; p. 690.
- Check-controlled apparatus, Feeder for. F. W. Rolland. No. 1,111,764; Sept. 29; Gaz. vol. 206; p. 1182.
- Check-controlled apparatus, Slot and slug for. H. Goetz. No. 1,115,661; Nov. 3; Gaz. vol. 208; p. 67.
- Check-holder. W. T. Finnegan. No. 1,120,467; Dec. 8; Gaz. vol. 209; p. 580.
- Check-holding device. R. A. Fromm. No. 1,101,426; June 23; Gaz. vol. 203; p. 1184.
- Check-identifying machine. F. Hoffman. (Reissue.) No. 1,138,311; Nov. 24; Gaz. vol. 208; p. 1319.
- Check-receiving apparatus. R. H. Burton. No. 1,091,560; Mar. 31; Gaz. vol. 200; p. 1152.
- Check register and protector, Pocket. H. J. Adams. No. 1,095,444; May 5; Gaz. vol. 202; p. 92.
- Check, Rotary. C. Goodwin. No. 1,091,571; Mar. 31; Gaz. vol. 200; p. 1156.
- Check-rower and automatic corn-planter. E. W. Owens. No. 1,090,167; Mar. 17; Gaz. vol. 200; p. 601.
- Check-rower stake. D. N. Luse. No. 1,113,800; Oct. 13; Gaz. vol. 207; p. 527.
- Checks or other instruments, Means for certifying. C. L. Pfeiderer. No. 1,112,654; Oct. 6; Gaz. vol. 207; p. 87.
- Checker-board. C. C. Lowe. No. 1,087,797; Feb. 17; Gaz. vol. 199; p. 868.
- Checker-board. W. K. Russell. No. 1,085,941; Feb. 3; Gaz. vol. 199; p. 129.
- Checker or chess board. G. W. Schilling. No. 1,092,599; Apr. 7; Gaz. vol. 201; p. 165.
- Checkrein connection, Separable. R. F. Rumans. No. 1,085,164; Jan. 27; Gaz. vol. 198; p. 732.
- Checkrein-holder. I. G. Mitchell. No. 1,105,680; Aug. 4; Gaz. vol. 205; p. 32.
- Checkrein-support. J. Lipps. No. 1,111,475; Sept. 22; Gaz. vol. 206; p. 1046.
- Cheese. K. E. Neldner. No. 1,092,504; Apr. 7; Gaz. vol. 201; p. 132.
- Cheese-case, Sanitary. J. A. Leach. No. 1,102,060; June 30; Gaz. vol. 203; p. 1458.
- Cheese-cutter. R. Trevisan. No. 1,104,718; July 21; Gaz. vol. 204; p. 954.
- Cheese-cutter, Computing. J. H. Osborne. (Reissue.) No. 1,137,466; June 9; Gaz. vol. 203; p. 573.
- Cheese-cutter, Computing. E. T. Silvius. No. 1,113,377; Oct. 13; Gaz. vol. 207; p. 380.
- Cheese-cutter, Computing. J. Winkelmeyer. No. 1,108,297; Aug. 25; Gaz. vol. 205; p. 1090.
- Cheese-follower. N. Oestreich. No. 1,107,989; Aug. 18; Gaz. vol. 205; p. 933.
- Cheese-hoop. J. W. O'Brien. No. 1,090,166; Mar. 17; Gaz. vol. 200; p. 601.
- Cheese-loaf. C. W. Starrett. No. 1,122,548; Dec. 29; Gaz. vol. 209; p. 1425.
- Cheese, Marking. J. J. H. Gramser. No. 1,090,102; Mar. 10; Gaz. vol. 200; p. 538.
- Cheese-stand. C. W. Kibbey. No. 1,091,143; Mar. 24; Gaz. vol. 200; p. 970.
- Chemical analysis, Means for use in. J. G. Hume. No. 1,087,239; Feb. 17; Gaz. vol. 199; p. 674.
- Chemical compounds, Forming. T. A. Edison. No. 1,083,355; Jan. 6; Gaz. vol. 198; p. 32.
- Chemical heater. A. L. Radlein and J. W. Murphy. No. 1,088,926; Mar. 3; Gaz. vol. 200; p. 87.
- Chemical-mixer. C. W. Ewing. No. 1,111,788; Sept. 29; Gaz. vol. 206; p. 1192.
- Chemical-tank. L. F. Goodspeed. No. 1,114,876; Oct. 27; Gaz. vol. 207; p. 999.
- Chenille-cutting machine. T. Cooper. No. 1,102,143; June 30; Gaz. vol. 203; p. 1487.
- Chenille, Fur. J. Salzberger. No. 1,119,120; Dec. 1; Gaz. vol. 209; p. 77.
- Chenille-machine. C. Wiebke. No. 1,114,086; Oct. 20; Gaz. vol. 207; p. 667.
- Cherry-clipper. W. M. Gordon. No. 1,108,572; Aug. 25; Gaz. vol. 205; p. 1185.

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- Cherry-stoner. M. A. Rollman. No. 1,091,442; Mar. 24; Gaz. vol. 200; p. 1067.
- Chest: See Safety-chest; Table-chest; Valve-chest.
- Chest-handle. E. R. Sargent. No. 1,094,820; Apr. 28; Gaz. vol. 201; p. 1055.
- Chest handle, Tool-. P. Boisvert. No. 1,112,517; Oct. 6; Gaz. vol. 207; p. 37.
- Chest, Mothproof. J. A. Lafore. No. 1,092,059; Mar. 31; Gaz. vol. 200; p. 1323.
- Chicken-catcher. P. P. Andrews. No. 1,084,524; Jan. 13; Gaz. vol. 198; p. 447.
- Chicken-feeder. W. F. Dreifelbis. No. 1,119,413; Dec. 1; Gaz. vol. 209; p. 177.
- Chicken-holding device. H. W. Leyh. No. 1,109,772; Sept. 8; Gaz. vol. 206; p. 364.
- Chicken-leg-securing device. F. K. Vallo. No. 1,089,296; Mar. 3; Gaz. vol. 200; p. 212.
- Chicken-training device. W. F. Kerr. No. 1,117,948; Nov. 17; Gaz. vol. 208; p. 945.
- Chilean mill. J. R. Sears. No. 1,115,591; Nov. 3; Gaz. vol. 208; p. 42.
- Chimney. J. V. Boland. No. 1,107,883; Aug. 18; Gaz. vol. 205; p. 896.
- Chimney. R. B. Hartman. No. 1,088,019; Feb. 24; Gaz. vol. 199; p. 993.
- Chimney. J. H. McKay. No. 1,110,505; Sept. 15; Gaz. vol. 206; p. 666.
- Chimney-cap. W. L. Carter. No. 1,088,060; Feb. 24; Gaz. vol. 199; p. 1006.
- Chimney-cap. J. M. McMahan. No. 1,096,737; May 12; Gaz. vol. 202; p. 567.
- Chimney-cap. P. Rindone. No. 1,088,368; Feb. 24; Gaz. vol. 199; p. 1111.
- Chimney cap and ventilator. A. A. Bartlett. No. 1,110,102; Sept. 8; Gaz. vol. 206; p. 483.
- Chimney-cleaner. R. Fuchs and O. Anderson. No. 1,097,418; May 19; Gaz. vol. 202; p. 849.
- Chimney-holder. B. J. Schwendt. No. 1,086,407; Feb. 10; Gaz. vol. 199; p. 334.
- Chimney-sweeper. C. E. Anderson. No. 1,110,856; Sept. 15; Gaz. vol. 206; p. 789.
- Chimney-thimble. J. T. Skillen. No. 1,084,495; Jan. 13; Gaz. vol. 198; p. 437.
- Chimney-throat, Safety. E. J. Casa-Calvo. No. 1,106,491; Aug. 11; Gaz. vol. 205; p. 360.
- Chimney-top. F. W. Ferguson. No. 1,091,883; Mar. 31; Gaz. vol. 200; p. 1266.
- Chin-truss and ear-compress, Combined. A. P. Cochrane. No. 1,099,967; June 16; Gaz. vol. 203; p. 628.
- Chip-confining frame. A. J. Baker and R. T. Hazelton. No. 1,096,588; May 12; Gaz. vol. 202; p. 516.
- Chiropractic apparatus. C. P. Nicholas and J. M. Myers. No. 1,112,646; Oct. 6; Gaz. vol. 207; p. 84.
- Chisel-handle. L. T. Langager. No. 1,120,947; Dec. 15; Gaz. vol. 209; p. 797.
- Chiseling and cleaning device, Mechanical. F. J. Bowman. No. 1,112,972; Oct. 6; Gaz. vol. 207; p. 195.
- Chlor-methyl-omega-brom-propyl-carbinol and producing same. A. B. Davis. No. 1,114,734; Oct. 27; Gaz. vol. 207; p. 948.
- Chlorates, Process of and apparatus for making. G. Kolsky. No. 1,092,369; Apr. 7; Gaz. vol. 201; p. 85.
- Chlorid, Apparatus for the manufacture of stannic. W. F. Doerflinger. No. 1,087,437; Feb. 17; Gaz. vol. 199; p. 743.
- Chlorid Reducing cuprous. F. Laist. No. 1,104,907; July 28; Gaz. vol. 204; p. 1069.
- Chlorin derivatives of the amyl series, Producing. F. Webel. No. 1,098,858; June 2; Gaz. vol. 203; p. 170.
- Chloroform, Making. T. Griswold, Jr., and C. J. Strosacker. No. 1,101,025; June 23; Gaz. vol. 203; p. 1048.
- Chloroformer. J. S. Oliva. No. 1,112,312; Sept. 29; Gaz. vol. 206; p. 1372.
- Chocolate-depositing machine. G. S. Baker. No. 1,118,619; Nov. 24; Gaz. vol. 208; p. 1221.
- Chocolate masses, Machine for treating. J. Sheffman. No. 1,103,627; July 14; Gaz. vol. 204; p. 536.
- Chocolate or the like containing preserved fruits, almonds, &c., Apparatus for molding. E. L. A. Savy. No. 1,084,300; Jan. 13; Gaz. vol. 198; p. 376.
- Chocolate or the like containing preserved fruits, almonds, or other hard bodies, Apparatus for molding. E. L. A. Savy. No. 1,110,404; Sept. 15; Gaz. vol. 206; p. 630.
- Chopper: See Cotton-chopper; Food-chopper; Meat-chopper; Stalk-chopper.
- Chopper. H. E. Asbury. No. 1,122,055; Dec. 22; Gaz. vol. 209; p. 1220.
- Chopping and mixing machine. C. W. Hottmann. No. 1,111,694; Sept. 22; Gaz. vol. 206; p. 1123.
- Chopping and pounding implement. J. E. Bell. No. 1,086,266; Feb. 3; Gaz. vol. 199; p. 241.
- Chopping-machine. L. F. Newsom. No. 1,109,300; Sept. 1; Gaz. vol. 206; p. 157.
- Chopping-machine knife. H. E. Asbury. No. 1,097,505; May 19; Gaz. vol. 202; p. 878.
- Christmas-tree holder. A. A. Bernartz, R. F. Haldewang, and C. Braunsdorf. No. 1,117,158; Nov. 17; Gaz. vol. 208; p. 666.
- Christmas-tree holder. L. E. Piner. No. 1,110,142; Sept. 8; Gaz. vol. 206; p. 499.
- Christmas-tree support. B. K. Lyman. No. 1,091,000; Mar. 24; Gaz. vol. 200; p. 920.
- Chronograph or stop watch. W. E. Porter. No. 1,089,865; Mar. 10; Gaz. vol. 200; p. 456.
- Chronological data, Automatic mechanism for recalling. D. W. Jewell. No. 1,117,675; Nov. 17; Gaz. vol. 208; p. 851.
- Chronometer-escapement. W. E. Walker. No. 1,091,261; Mar. 24; Gaz. vol. 200; p. 1011.
- Chronometer, World-. W. F. Agnew. No. 1,122,352; Dec. 29; Gaz. vol. 209; p. 1359.
- Chronometric-spring indicator. F. C. Howard. No. 1,101,443; June 23; Gaz. vol. 203; p. 1189.
- Chuck. E. J. Blum. No. 1,090,096; Mar. 10; Gaz. vol. 200; p. 536.
- Chuck. P. Brown and F. J. Bostock. No. 1,100,523; June 16; Gaz. vol. 203; p. 820.
- Chuck. A. E. Church. No. 1,106,189; Aug. 4; Gaz. vol. 205; p. 211.
- Chuck. A. E. Church. No. 1,117,480; Nov. 17; Gaz. vol. 208; p. 781.
- Chuck. B. Cock. No. 1,121,550; Dec. 15; Gaz. vol. 209; p. 1006.
- Chuck. J. H. Greaves and C. G. Lucas. No. 1,110,770; Sept. 15; Gaz. vol. 206; p. 758.
- Chuck. R. W. Griffith and R. G. Wendland. No. 1,119,276; Dec. 1; Gaz. vol. 209; p. 129.
- Chuck. G. Halvorsen-Pande. No. 1,115,310; Oct. 27; Gaz. vol. 207; p. 1152.
- Chuck. M. A. Hamilton. No. 1,104,113; July 21; Gaz. vol. 204; p. 744.
- Chuck. A. V. Hannifin. No. 1,089,362; Mar. 3; Gaz. vol. 200; p. 234.
- Chuck. J. Hartness. No. 1,084,546; Jan. 13; Gaz. vol. 198; p. 454.
- Chuck. J. A. Quinlan. No. 1,095,672; May 5; Gaz. vol. 202; p. 170.
- Chuck. F. L. Sessions. No. 1,087,327; Feb. 17; Gaz. vol. 199; p. 704.
- Chuck. L. E. Whiton. No. 1,099,227; June 9; Gaz. vol. 203; p. 337.
- Chuck and countersink, Combined. A. Wilberg. No. 1,101,157; June 23; Gaz. vol. 203; p. 1092.
- Chuck, Bit and tap. W. L. Procnier. No. 1,117,241; Nov. 17; Gaz. vol. 208; p. 697.
- Chuck, Collet-. W. Schellenbach. No. 1,094,346; Apr. 21; Gaz. vol. 201; p. 825.
- Chuck, Drill-. G. W. Emrick. No. 1,104,255; July 21; Gaz. vol. 204; p. 792.
- Chuck, Drill-. G. W. Emrick. No. 1,109,121; Sept. 1; Gaz. vol. 206; p. 93.
- Chuck, Drill-. V. R. Koontz. No. 1,091,886; Mar. 31; Gaz. vol. 200; p. 1267.
- Chuck, Drill-. I. F. Lindberg. (Reissue.) No. 13,724; May 12; Gaz. vol. 202; p. 596.
- Chuck, Drill-. L. H. Smith. No. 1,087,330; Feb. 17; Gaz. vol. 199; p. 705.
- Chuck, Drill-. F. Starin. No. 1,114,653; Oct. 20; Gaz. vol. 207; p. 867.
- Chuck for boring-machines, lathes, or the like. J. W. Barnes. No. 1,112,348; Sept. 29; Gaz. vol. 206; p. 1385.
- Chuck for drill-presses, Speed-reducing. A. T. Nelson. No. 1,110,455; Sept. 15; Gaz. vol. 206; p. 649.
- Chuck for piston-rings. D. F. Domizi. No. 1,098,025; May 26; Gaz. vol. 22; p. 1107.
- Chuck for rock-drills. C. C. Hansen. No. 1,091,510; Mar. 31; Gaz. vol. 200; p. 1136.
- Chuck, Gear-truing. C. J. Marks. No. 1,110,396; Sept. 15; Gaz. vol. 206; p. 627.
- Chuck, Lathe-. W. A. Weiss. No. 1,095,304; May 5; Gaz. vol. 202; p. 45.
- Chuck, Magnetic. L. W. Downes. No. 1,105,552; July 28; Gaz. vol. 204; p. 1294.
- Chuck mechanism. H. W. Thompson. No. 1,118,072; Nov. 24; Gaz. vol. 208; p. 1029.
- Chuck-retaining device. G. H. Gilman. No. 1,103,009; July 7; Gaz. vol. 204; p. 273.
- Chuck, Self-centering. E. Rivett. No. 1,098,055; May 26; Gaz. vol. 202; p. 1117.
- Chuck, Spring-. W. M. Moseley. No. 1,086,393; Feb. 10; Gaz. vol. 199; p. 328.
- Chucks, Indexing or dividing mechanism for. P. Brown and F. J. Bostock. No. 1,100,526; June 16; Gaz. vol. 203; p. 821.
- Churn. S. C. M. Anderson. No. 1,116,001; Nov. 3; Gaz. vol. 208; p. 183.
- Churn. C. Aurit. No. 1,100,937; June 23; Gaz. vol. 203; p. 1018.
- Churn. W. F. Brown. No. 1,106,188; Aug. 4; Gaz. vol. 205; p. 211.
- Churn. E. E. Chapman. No. 1,104,627; July 21; Gaz. vol. 204; p. 922.
- Churn. A. J. Clark. No. 1,101,404; June 23; Gaz. vol. 203; p. 1177.
- Churn. J. W. Delzell. No. 1,091,044; Mar. 24; Gaz. vol. 200; p. 936.
- Churn. E. E. Floyd. No. 1,114,456; Oct. 20; Gaz. vol. 207; p. 800.
- Churn. R. E. L. Grove. No. 1,094,849; Apr. 28; Gaz. vol. 201; p. 1065.

Alphabetical list of inventions—Continued.

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- Churn. I. M. Hickman and F. H. Lynch. No. 1,115,935; Nov. 3; Gaz. vol. 208; p. 160.
- Churn. M. Higgins. No. 1,085,337; Jan. 27; Gaz. vol. 198; p. 792.
- Churn. G. W. King. No. 1,089,772; Mar. 10; Gaz. vol. 200; p. 424.
- Churn. A. H. Lawrence. No. 1,090,483; Mar. 17; Gaz. vol. 200; p. 714.
- Churn. D. P. Long. No. 1,091,887; Mar. 31; Gaz. vol. 200; p. 1267.
- Churn. E. Nadrowski. No. 1,107,828; Aug. 18; Gaz. vol. 205; p. 878.
- Churn. S. Roberts. No. 1,119,637; Dec. 1; Gaz. vol. 209; p. 254.
- Churn. J. B. Sells. No. 1,111,187; Sept. 22; Gaz. vol. 206; p. 948.
- Churn. J. M. Simmons. No. 1,094,027; Apr. 21; Gaz. vol. 201; p. 722.
- Churn. W. B. Simpson. No. 1,117,455; Nov. 17; Gaz. vol. 208; p. 772.
- Churn. E. T. Trout. No. 1,086,739; Feb. 10; Gaz. vol. 199; p. 450.
- Churn. A. Wakefield. No. 1,116,177; Nov. 3; Gaz. vol. 208; p. 243.
- Churn. W. B. Woodrum. No. 1,113,396; Oct. 13; Gaz. vol. 207; p. 387.
- Churn. S. B. Yoder. No. 1,115,146; Oct. 27; Gaz. vol. 207; p. 1095.
- Churn. E. Zoller. No. 1,101,773; June 30; Gaz. vol. 203; p. 1355.
- Churn and butter-worker. L. A. Disbrow. No. 1,114,738; Oct. 27; Gaz. vol. 207; p. 949.
- Churn and butter-worker, Combined. H. R. Gardner. No. 1,092,350; Apr. 7; Gaz. vol. 201; p. 79.
- Churn and butter-worker, Combined. H. A. Hendrix. No. 1,117,569; Nov. 17; Gaz. vol. 208; p. 812.
- Churn and butter-worker, Combined. A. M. Knudsen. No. 1,106,460; Aug. 11; Gaz. vol. 205; p. 347.
- Churn-cover. H. H. Greenside. No. 1,102,043; June 30; Gaz. vol. 203; p. 1452.
- Churn indicator, Rotary. C. M. Carlson. No. 1,086,438; Feb. 10; Gaz. vol. 199; p. 345.
- Churn. Multiple-dasher rotary. S. A. Hyson. No. 1,108,991; Sept. 1; Gaz. vol. 206; p. 47.
- Churn-operating mechanism. G. E. Slater. No. 1,092,300; Apr. 7; Gaz. vol. 201; p. 62.
- Churn, Rotary double-dasher. D. B. Pate. No. 1,086,612; Feb. 10; Gaz. vol. 199; p. 407.
- Churns and other devices, Operating means for. S. D. Mercer. No. 1,093,285; Apr. 14; Gaz. vol. 201; p. 434.
- Churning-machine. J. J. Crume. No. 1,092,694; Apr. 7; Gaz. vol. 201; p. 195.
- Chute. A. Rentner. No. 1,109,786; Sept. 8; Gaz. vol. 206; p. 368.
- Chute, Coal-. V. Ashworth. No. 1,083,650; Jan. 6; Gaz. vol. 198; p. 130.
- Chute, Collapsible hog-. R. J. Smith. No. 1,105,004; July 28; Gaz. vol. 204; p. 1100.
- Chute for glazed windows. W. V. Heinz. No. 1,110,627; Sept. 15; Gaz. vol. 206; p. 709.
- Chute, Garbage-. E. Bradshaw. No. 1,083,914; Jan. 13; Gaz. vol. 198; p. 245.
- Chute, Garbage-. F. J. Shepherd. No. 1,123,210; Dec. 29; Gaz. vol. 209; p. 1661.
- Chute, Ice-. R. E. Jones. No. 1,118,351; Nov. 24; Gaz. vol. 208; p. 1125.
- Chute, Silo-. J. H. Latimer. No. 1,094,726; Apr. 28; Gaz. vol. 201; p. 1023.
- Chute-spring. E. M. Low. No. 1,107,679; Aug. 18; Gaz. vol. 205; p. 826.
- Chute, Stock-. W. Reid. No. 1,091,459; Mar. 24; Gaz. vol. 200; p. 1072.
- Chutes, Automatic regulator for coal-. S. J. Callender. No. 1,085,722; Feb. 3; Gaz. vol. 199; p. 50.
- Cigar. B. Plotkin. No. 1,121,660; Dec. 22; Gaz. vol. 209; p. 1080.
- Cigar and cigarette, Automatically-lightable. L. Besson. No. 1,089,308; Mar. 3; Gaz. vol. 200; p. 216.
- Cigar and cigarette box. A. Mendelson and S. J. Goldberg. No. 1,101,310; June 23; Gaz. vol. 203; p. 1145.
- Cigar and cigarette holder. P. H. Hounget. No. 1,102,925; July 7; Gaz. vol. 204; p. 244.
- Cigar and making same. F. S. Cooley. No. 1,104,779; July 28; Gaz. vol. 204; p. 1024.
- Cigar-banding machine. F. O. Woodland. No. 1,089,354; Mar. 3; Gaz. vol. 200; p. 231.
- Cigar-banding machine. F. O. Woodland. No. 1,096,584; May 12; Gaz. vol. 202; p. 515.
- Cigar-box. J. G. Bauer. No. 1,085,526; Jan. 27; Gaz. vol. 198; p. 854.
- Cigar-box. E. Vallens. No. 1,102,704; July 7; Gaz. vol. 204; p. 168.
- Cigar-box, Combination. A. Forner. No. 1,120,469; Dec. 8; Gaz. vol. 209; p. 581.
- Cigar-box, Humidor. H. M. Kreh. No. 1,087,022; Feb. 10; Gaz. vol. 199; p. 546.
- Cigar-box-lid and label holder. J. Dineen. No. 1,096,290; May 12; Gaz. vol. 202; p. 417.
- Cigar-box-lid holder. E. A. Bolen. No. 1,092,807; Apr. 7; Gaz. vol. 201; p. 234.
- Cigar-box-lid holder. R. P. Haskins. No. 1,108,751; Aug. 25; Gaz. vol. 205; p. 1245.
- Cigar-box, Non-refillable. J. Gagliano. No. 1,086,154; Feb. 3; Gaz. vol. 199; p. 205.
- Cigar-box, Non-refillable. W. E. Hopkins. No. 1,093,855; Apr. 21; Gaz. vol. 201; p. 665.
- Cigar box or wrapping. J. R. Avellanal. No. 1,112,752; Oct. 6; Gaz. vol. 207; p. 121.
- Cigar-bunch splitter. L. Rosenberg. No. 1,092,172; Apr. 7; Gaz. vol. 201; p. 17.
- Cigar-bunches in the molds, Apparatus for turning. J. Hack. No. 1,104,794; July 28; Gaz. vol. 204; p. 1028.
- Cigar-bunching machine. A. Gordon. No. 1,108,871; Aug. 25; Gaz. vol. 205; p. 1287.
- Cigar-bunching machines, Device for feeding the tobacco in. R. Schmitt. No. 1,102,692; July 7; Gaz. vol. 204; p. 164.
- Cigar, cigarette, and match case, Combination. A. G. Wormser. No. 1,085,517; Jan. 27; Gaz. vol. 198; p. 851.
- Cigar-container. R. Rey. No. 1,108,005; Aug. 18; Gaz. vol. 205; p. 939.
- Cigar-cutter. J. H. Astruck. No. 1,083,516; Jan. 6; Gaz. vol. 198; p. 85.
- Cigar-cutter. C. V. Bates. No. 1,119,220; Dec. 1; Gaz. vol. 209; p. 112.
- Cigar-cutter. A. Bippart. No. 1,096,219; May 12; Gaz. vol. 202; p. 391.
- Cigar-cutter. J. H. Bowen. No. 1,084,195; Jan. 13; Gaz. vol. 198; p. 342.
- Cigar-cutter. N. C. Fontneau and A. Person. No. 1,100,364; June 16; Gaz. vol. 203; p. 766.
- Cigar-cutter. S. Graboff. No. 1,111,743; Sept. 29; Gaz. vol. 206; p. 1173.
- Cigar-cutter. R. A. Kiefer. No. 1,086,920; Feb. 10; Gaz. vol. 199; p. 513.
- Cigar-cutter. C. H. Leisegang. No. 1,094,338; Apr. 21; Gaz. vol. 201; p. 823.
- Cigar-cutter. M. L. Robbins. No. 1,086,463; Feb. 10; Gaz. vol. 199; p. 354.
- Cigar cutter, lighter, and advertising apparatus, Combined. L. B. Grasberger. No. 1,085,903; Feb. 3; Gaz. vol. 199; p. 115.
- Cigar-cutter-locking device. G. E. Harrison. No. 1,110,930; Sept. 15; Gaz. vol. 206; p. 816.
- Cigar-cutter, Sanitary. H. P. Roberts. No. 1,104,137; July 21; Gaz. vol. 204; p. 752.
- Cigar cutting and banding machine. J. H. Skitt. No. 1,115,119; Oct. 27; Gaz. vol. 207; p. 1055.
- Cigar-cutting tool. J. C. A. Labrèche. No. 1,109,073; Sept. 1; Gaz. vol. 206; p. 77.
- Cigar-holder. F. B. Nelson. No. 1,118,216; Nov. 24; Gaz. vol. 208; p. 1078.
- Cigar-holder. J. G. Singley. No. 1,121,300; Dec. 15; Gaz. vol. 209; p. 919.
- Cigar-lighter. G. W. Everett. No. 1,095,389; May 5; Gaz. vol. 202; p. 73.
- Cigar-lighter. M. J. McAneny. No. 1,096,736; May 12; Gaz. vol. 202; p. 567.
- Cigar-lighter. M. McAneny. No. 1,103,307; July 14; Gaz. vol. 204; p. 425.
- Cigar-lighter. J. F. O'Connell and C. E. Whiteman. No. 1,091,586; Mar. 31; Gaz. vol. 200; p. 1161.
- Cigar-lighter. G. F. Paldani. No. 1,091,014; Mar. 24; Gaz. vol. 200; p. 925.
- Cigar lighter and cutter, Combined. L. B. Grasberger. No. 1,112,208; Sept. 29; Gaz. vol. 206; p. 1336.
- Cigar-lighter attachment for automobiles and the like. M. C. Schwab. No. 1,121,539; Dec. 15; Gaz. vol. 209; p. 1001.
- Cigar-lighter, Electric. H. G. Weeks. No. 1,114,207; Oct. 20; Gaz. vol. 207; p. 711.
- Cigar-maker's tool. J. S. Winget. No. 1,113,272; Oct. 13; Gaz. vol. 207; p. 342.
- Cigar-making device. R. Suarez. No. 1,108,273; Aug. 25; Gaz. vol. 205; p. 1080.
- Cigar-making machine. J. D. Lacroix. No. 1,088,827; Mar. 3; Gaz. vol. 200; p. 53.
- Cigar-moistener. F. O. Havener. No. 1,086,705; Feb. 10; Gaz. vol. 199; p. 438.
- Cigar-moistener. T. L. Wiese. No. 1,122,830; Dec. 29; Gaz. vol. 209; p. 1526.
- Cigar-mold. C. E. Benedict and P. Nordeck. No. 1,109,817; Sept. 8; Gaz. vol. 206; p. 379.
- Cigar-mold. N. Du Brul. No. 1,118,747; Nov. 24; Gaz. vol. 208; p. 1264.
- Cigar-mouthpiece. J. W. Ivory. No. 1,121,253; Dec. 15; Gaz. vol. 209; p. 903.
- Cigar-package. J. Foegel. No. 1,088,335; Feb. 24; Gaz. vol. 199; p. 1100.
- Cigar-packaging device. G. A. T. Plomgren and M. Gold. No. 1,110,343; Sept. 15; Gaz. vol. 206; p. 608.
- Cigar-pockets. J. J. Dittgen. No. 1,089,629; Mar. 10; Gaz. vol. 200; p. 375.
- Cigar-puncturing device. C. H. Potter. No. 1,115,335; Oct. 27; Gaz. vol. 207; p. 1159.
- Cigar-support attachment. E. W. Howe. No. 1,090,716; Mar. 17; Gaz. vol. 200; p. 790.
- Cigar-tip cutter. F. Deman. No. 1,113,105; Oct. 6; Gaz. vol. 207; p. 239.

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- Cigar-tip cutter. A. H. Merrill. No. 1,093,004; Apr. 14; Gaz. vol. 201; p. 336.
- Cigar-tip cutter. A. H. Merrill. No. 1,098,952; June 2; Gaz. vol. 203; p. 202.
- Cigar-tip cutter. J. J. Schleinkofer. No. 1,106,733; Aug. 11; Gaz. vol. 205; p. 445.
- Cigar-tip cutter. S. H. Simsarian. No. 1,096,274; May 12; Gaz. vol. 202; p. 412.
- Cigar-tuck cutter. G. W. Bowman. No. 1,087,715; Feb. 17; Gaz. vol. 199; p. 842.
- Cigar-tuck cutter. G. W. Bowman. No. 1,110,106; Sept. 8; Gaz. vol. 206; p. 485.
- Cigars and cigarettes, Wind-shield for. E. C. Clifford. No. 1,106,495; Aug. 11; Gaz. vol. 205; p. 361.
- Cigars, Head-shield and band for. D. Weiss. No. 1,106,016; Aug. 4; Gaz. vol. 205; p. 150.
- Cigars, Machine for applying bands to. W. C. Briggs. No. 1,101,507; June 23; Gaz. vol. 203; p. 1214.
- Cigars or the like, Apparatus for applying elastic lip-protectors to. O. Hammerstein. No. 1,116,419; Nov. 10; Gaz. vol. 208; p. 365.
- Cigarette-box. E. Aisenstein. No. 1,092,555; Apr. 7; Gaz. vol. 201; p. 148.
- Cigarette-box. O. Berghorn. No. 1,116,372; Nov. 10; Gaz. vol. 208; p. 349.
- Cigarette-box. S. J. Goldberg and A. Mendelson. No. 1,101,431; June 23; Gaz. vol. 203; p. 1186.
- Cigarette-box. G. L. Harvey. No. 1,096,909; May 19; Gaz. vol. 202; p. 670.
- Cigarette-box. A. Mendelson and S. J. Goldberg. No. 1,101,309; June 23; Gaz. vol. 203; p. 1145.
- Cigarette-box. A. Mendelson and S. J. Goldberg. No. 1,101,311; June 23; Gaz. vol. 203; p. 1145.
- Cigarette-box. A. Mendelson and S. J. Goldberg. No. 1,101,312; June 23; Gaz. vol. 203; p. 1146.
- Cigarette-box. A. Mendelson and S. J. Goldberg. No. 1,101,313; June 23; Gaz. vol. 203; p. 1146.
- Cigarette-box. A. Mendelson and S. J. Goldberg. No. 1,104,529; July 21; Gaz. vol. 204; p. 890.
- Cigarette-box opener. G. A. and J. Caspers. No. 1,105,182; July 28; Gaz. vol. 204; p. 1162.
- Cigarette-case. G. W. Hill. No. 1,119,281; Dec. 1; Gaz. vol. 209; p. 131.
- Cigarette-case. J. P. McAdam. No. 1,086,065; Feb. 3; Gaz. vol. 199; p. 175.
- Cigarette-case. M. L. Robbins. No. 1,091,083; Mar. 24; Gaz. vol. 200; p. 949.
- Cigarette-case and match-box, Combined. G. D. Munson. No. 1,114,378; Oct. 20; Gaz. vol. 207; p. 771.
- Cigarette-cases, Filling. L. Chambon. No. 1,121,549; Dec. 15; Gaz. vol. 209; p. 1005.
- Cigarette-container. T. D. Semple. No. 1,098,178; May 26; Gaz. vol. 202; p. 1158.
- Cigarette-dispensing box. G. L. Harvey. No. 1,096,910; May 19; Gaz. vol. 202; p. 670.
- Cigarette-feeding mechanism. R. V. Craggs. No. 1,123,104; Dec. 29; Gaz. vol. 209; p. 1621.
- Cigarette-holder, Stub adjusting and ejecting. E. B. Ashmore. No. 1,093,569; Apr. 14; Gaz. vol. 201; p. 524.
- Cigarette humidior and delivering device, Combined. L. A. Goebel. No. 1,094,324; Apr. 21; Gaz. vol. 201; p. 819.
- Cigarette-machine. G. A. Simon. No. 1,117,527; Nov. 17; Gaz. vol. 208; p. 797.
- Cigarette-machine. E. D. Smith. No. 1,090,889; Mar. 24; Gaz. vol. 200; p. 881.
- Cigarette-machines, Tobacco-feed for. A. L. Ewers. No. 1,114,127; Oct. 20; Gaz. vol. 207; p. 682.
- Cigarette-making machine. E. C. Mühlbauer. No. 1,093,564; Apr. 14; Gaz. vol. 201; p. 522.
- Cigarette-making machine. R. A. Sloan and J. E. L. Barnes. No. 1,089,680; Mar. 10; Gaz. vol. 200; p. 393.
- Cigarette-making machine, Pocket. D. A. Garwood. No. 1,087,230; Feb. 17; Gaz. vol. 199; p. 671.
- Cigarette-molding device. C. F. Stewart. No. 1,084,374; Jan. 13; Gaz. vol. 198; p. 400.
- Cigarette-opening device. E. D. Smith. No. 1,091,775; Mar. 31; Gaz. vol. 200; p. 1228.
- Cigarette or cigar boxes, Match attachment for. J. Kuniyara. No. 1,119,842; Dec. 8; Gaz. vol. 209; p. 359.
- Cigarette-packing machine. E. D. Smith. No. 1,114,053; Oct. 20; Gaz. vol. 207; p. 655.
- Cigarette-packing machine. E. D. Smith and B. E. Teale. No. 1,122,641; Dec. 29; Gaz. vol. 209; p. 1458.
- Cigarette-paper with gold-leaf, Apparatus for covering the tip ends of. J. C. Müller. No. 1,114,507; Oct. 20; Gaz. vol. 207; p. 819.
- Cigarette-roller. W. A. Flannery. No. 1,115,918; Nov. 3; Gaz. vol. 208; p. 154.
- Cigarette-shells, Rerolling mechanism for. S. I. Prescott. No. 1,119,873; Dec. 8; Gaz. vol. 209; p. 369.
- Cigarette-tipping machine. S. Palmowsky. No. 1,101,564; June 30; Gaz. vol. 203; p. 1283.
- Cigarette-tips, Machine for putting on. A. Cameron, Jr., W. F. Hendricks, and H. R. Schlueter. No. 1,088,533; Feb. 24; Gaz. vol. 199; p. 1164.
- Cigarette tube and mouthpiece machine. J. Gueniffet and J. Nicault. No. 1,090,472; Mar. 17; Gaz. vol. 200; p. 710.
- Cigarettes, Apparatus for delivering material used as mouthpieces in the manufacture of. P. Gottschalk. No. 1,095,850; May 5; Gaz. vol. 202; p. 230.
- Cigarettes, Machine for applying mouthpiece material to. P. L. Fowler and J. S. McClea. No. 1,087,874; Feb. 17; Gaz. vol. 199; p. 892.
- Cigarettes, Treating paper for spiral mouthpieces of. M. C. Grahl. No. 1,114,468; Oct. 20; Gaz. vol. 207; p. 805.
- Cinder-deflector. R. A. Beymer. No. 1,092,516; Apr. 7; Gaz. vol. 201; p. 136.
- Cinder-deflector. D. A. Sox. No. 1,093,890; Apr. 21; Gaz. vol. 201; p. 677.
- Cinnamic aldehyde ozonid. W. J. Knox. No. 1,086,373; Feb. 10; Gaz. vol. 199; p. 322.
- Circles, Implement designed for marking. E. S. Cady. No. 1,115,390; Oct. 27; Gaz. vol. 207; p. 1177.
- Circles, Instrument for laying out arcs of. C. W. Roehrig. No. 1,091,246; Mar. 24; Gaz. vol. 200; p. 1006.
- Circuit-breaker. C. Aalborg. No. 1,099,332; June 9; Gaz. vol. 203; p. 373.
- Circuit-breaker. C. E. Carpenter and A. J. Horton. No. 1,089,045; Mar. 3; Gaz. vol. 200; p. 127.
- Circuit-breaker. F. W. Harris. No. 1,113,335; Oct. 13; Gaz. vol. 207; p. 365.
- Circuit-breaker. P. C. Hewitt. No. 1,110,781; Sept. 15; Gaz. vol. 206; p. 762.
- Circuit-breaker. T. S. Jenkins. No. 1,116,475; Nov. 10; Gaz. vol. 208; p. 385.
- Circuit-breaker. A. J. Loguin. No. 1,115,448; Oct. 27; Gaz. vol. 207; p. 1198.
- Circuit-breaker. H. G. MacDonald. No. 1,087,500; Feb. 17; Gaz. vol. 199; p. 765.
- Circuit-breaker. C. H. Miller. No. 1,112,639; Oct. 6; Gaz. vol. 207; p. 82.
- Circuit-breaker. E. J. Murphy. No. 1,097,256; May 19; Gaz. vol. 202; p. 793.
- Circuit-breaker. W. M. Scott. No. 1,122,430; Dec. 29; Gaz. vol. 209; p. 1384.
- Circuit-breaker. E. W. Stull. No. 1,116,348; Nov. 3; Gaz. vol. 208; p. 300.
- Circuit-breaker, Automatic. J. L. Mitchell. No. 1,104,439; July 21; Gaz. vol. 204; p. 855.
- Circuit-breaker, Automatic. E. C. Raney. (Reissue.) No. 13,856; Dec. 29; Gaz. vol. 209; p. 1664.
- Circuit-breaker, Thermostatically-operated. T. R. Fagan. No. 1,098,490; June 2; Gaz. vol. 203; p. 46.
- Circuit-breaker, Time-controlled. L. S. Peters. No. 1,110,510; Sept. 15; Gaz. vol. 206; p. 668.
- Circuit-breaker, Vibrating. P. M. Rainey. No. 1,090,877; Mar. 24; Gaz. vol. 200; p. 877.
- Circuit-breakers, Time-limit control for. C. S. Van Nuis. No. 1,109,091; Sept. 1; Gaz. vol. 206; p. 83.
- Circuit-breaking means for motor-vehicles. H. S. and M. L. Heath. No. 1,085,608; Feb. 3; Gaz. vol. 199; p. 10.
- Circuit-changer for electric railways. B. F. Hutches, Jr. No. 1,087,537; Feb. 17; Gaz. vol. 199; p. 777.
- Circuit-closer. A. G. Anderson. No. 1,107,013; Aug. 11; Gaz. vol. 205; p. 540.
- Circuit-closer. B. Benedict. No. 1,107,645; Aug. 18; Gaz. vol. 205; p. 814.
- Circuit-closer. A. L. Davis. No. 1,100,957; June 23; Gaz. vol. 203; p. 1024.
- Circuit-closer. V. Durbin and H. Ehrismann. No. 1,117,646; Nov. 17; Gaz. vol. 208; p. 840.
- Circuit-closer. D. A. McConnell. No. 1,101,866; June 30; Gaz. vol. 203; p. 1388.
- Circuit-closer. W. E. Russell. No. 1,119,043; Dec. 1; Gaz. vol. 209; p. 52.
- Circuit-closer, Lock. J. F. Lesko. No. 1,122,010; Dec. 22; Gaz. vol. 209; p. 1205.
- Circuit-closer shield. J. F. Kelly. No. 1,100,485; June 16; Gaz. vol. 203; p. 807.
- Circuit-closer, Thermal. J. F. Scheuer. No. 1,122,032; Dec. 22; Gaz. vol. 209; p. 1212.
- Circuit-closer, Thermostatic. J. M. Johnson. No. 1,113,125; Oct. 6; Gaz. vol. 207; p. 245.
- Circuit-closer, Thermostatic. J. C. Moessner. No. 1,104,695; July 21; Gaz. vol. 204; p. 945.
- Circuit-closer, Thermostatic. R. L. Shannon. No. 1,092,754; Apr. 7; Gaz. vol. 201; p. 217.
- Circuit-closing device. W. W. Alexander. No. 1,084,382; Jan. 13; Gaz. vol. 198; p. 402.
- Circuit-closing device. W. W. Burke. No. 1,096,891; May 19; Gaz. vol. 202; p. 664.
- Circuit-closing instrument. W. C. Neahr. No. 1,102,944; July 7; Gaz. vol. 204; p. 250.
- Circuit-closing mechanism. T. Gibson, G. A. Farmer, and E. Read. No. 1,120,805; Dec. 15; Gaz. vol. 209; p. 746.
- Circuit contact closing device. G. C. Murphy. No. 1,099,812; June 9; Gaz. vol. 203; p. 537.
- Circuit-controller. H. P. Ball and G. Wright. No. 1,098,778; June 2; Gaz. vol. 203; p. 143.
- Circuit-controller. W. W. Dean. No. 1,122,261; Dec. 29; Gaz. vol. 209; p. 1329.
- Circuit-controller. C. O. Harrington. No. 1,117,376; Nov. 17; Gaz. vol. 208; p. 745.
- Circuit-controller. S. P. Hull. No. 1,089,564; Mar. 10; Gaz. vol. 200; p. 353.
- Circuit-controller. A. A. Kent. No. 1,096,109; May 12; Gaz. vol. 202; p. 354.

Alphabetical list of inventions—Continued.

- Circuit-controller. H. A. Steen. No. 1,083,950; Jan. 13; Gaz. vol. 198; p. 256.
- Circuit-controller for traffic-controlling systems, Safety. W. H. Reichard. No. 1,101,958; June 30; Gaz. vol. 203; p. 1422.
- Circuit-controller, Thermostatic. W. L. Jacoby. No. 1,097,640; May 26; Gaz. vol. 202; p. 969.
- Circuit-controller, Thermostatic. G. E. Spear. No. 1,112,391; Sept. 29; Gaz. vol. 206; p. 1401.
- Circuit-controller, Thermostatic. G. E. Spear. No. 1,115,607; Nov. 3; Gaz. vol. 208; p. 48.
- Circuit-controlling apparatus. P. E. Collins. No. 1,101,254; June 23; Gaz. vol. 203; p. 1126.
- Circuit-controlling apparatus. J. W. Eskholme. No. 1,122,488; Dec. 29; Gaz. vol. 209; p. 1404.
- Circuit-controlling device. C. C. Graves. No. 1,100,428; June 16; Gaz. vol. 203; p. 789.
- Circuit-controlling device. W. B. Hughes. (Reissue.) No. 13,750; June 16; Gaz. vol. 203; p. 878.
- Circuit-controlling device. M. M. Kandle. No. 1,117,396; Nov. 17; Gaz. vol. 208; p. 752.
- Circuit-controlling device. O. M. Leich. No. 1,115,446; Oct. 27; Gaz. vol. 207; p. 1197.
- Circuit-controlling lock. T. N. Birch. No. 1,088,648; Feb. 24; Gaz. vol. 199; p. 1201.
- Circuit-detector. W. J. Murdock. No. 1,091,528; Mar. 31; Gaz. vol. 200; p. 1141.
- Circuit-extension box. C. W. Abbott. No. 1,097,116; May 19; Gaz. vol. 202; p. 743.
- Circuit-interrupter. C. Aalborg. No. 1,121,574; Dec. 15; Gaz. vol. 209; p. 1014.
- Circuit-interrupter. F. W. Harris. No. 1,113,433; Oct. 13; Gaz. vol. 207; p. 400.
- Circuit-interrupter. H. G. MacDonald. No. 1,119,971; Dec. 8; Gaz. vol. 209; p. 404.
- Circuit protection. G. Wright. No. 1,105,392; July 28; Gaz. vol. 204; p. 1240.
- Circuit-wire terminal. A. A. Ziegler. No. 1,112,047; Sept. 29; Gaz. vol. 206; p. 1279.
- Circuits, Means for reducing reflection losses in duplex. T. Shaw. No. 1,092,956; Apr. 14; Gaz. vol. 201; p. 321.
- Circuits, Means for reducing reflection losses in phantom. T. Shaw. No. 1,092,957; Apr. 14; Gaz. vol. 201; p. 321.
- Circuits, Tuning alternating-current. M. Osnos. No. 1,122,027; Dec. 22; Gaz. vol. 209; p. 1210.
- Cistern. G. H. Mahn. No. 1,085,217; Jan. 27; Gaz. vol. 198; p. 750.
- Cistern, Water-waste-preventing. C. Green, Jr. No. 1,106,141; Aug. 4; Gaz. vol. 205; p. 195.
- Clamp. *See* Beam-splicing clamp; Belt-clamp; Bicycle saddle-clamp; Brazing-clamp; Burial-case clamp; Butter-cutter clamp; Buttonhole-clamp; C-clamp; Cable-clamp; Chain-clamp; Cloth-clamp; Column-clamp; Conductor-clamp; Cue-tip clamp; Cultivator-tooth clamp; Curtain-hanger clamp; Dental clamp; Desk-clamp; Eaves-trough clamp; Electric ground-clamp; Fabric-clamp; Fence-clamp; Fence-stretching clamp; Ground-clamp; Hay-rack clamp; Hose-clamp; Insulator-clamp; Insulator-wire clamp; Knife-clamp; Lifting-clamp; Line-clamp; Line or cable clamp; Locking-clamp; Meat-clamp; Mold-clamp; Pipe-clamp; Pipe and rod clamp; Piston-ring clamp; Plowshare-clamp; Printing-plate clamp; Printing-press clamp; Pull-rod clamp; Quick-acting clamp; Rail-clamp; Rail-tie-plate clamp; Rod-clamp; Rod or pipe clamp; Rope-clamp; Saw-clamp; Screw-clamp; Shoe-shiner's clamp; Spinning-machine roving-clamp; Spring-clamp; Stay-bolt-cutter clamp; Tie-clamp; Track-clamp; Trial-plate clamp; Type-clamp; Valve-clamp; Welding-clamp; Wheel-clamp; Wire-clamp; Wire-line clamp; Wire-rope clamp; Wire-stretcher clamp; Work-clamp.
- Clamp. A. Anderson. No. 1,086,574; Feb. 10; Gaz. vol. 199; p. 394.
- Clamp. J. A. Bagby. No. 1,097,285; May 19; Gaz. vol. 202; p. 804.
- Clamp. A. J. Banks. No. 1,113,864; Oct. 13; Gaz. vol. 207; p. 551.
- Clamp. J. W. Basom. No. 1,101,235; June 23; Gaz. vol. 203; p. 1120.
- Clamp. J. Y. and E. P. Bowser. No. 1,101,396; June 23; Gaz. vol. 203; p. 1174.
- Clamp. A. E. Bray. No. 1,083,482; Jan. 6; Gaz. vol. 198; p. 74.
- Clamp. A. Bricker. No. 1,087,719; Feb. 17; Gaz. vol. 199; p. 843.
- Clamp. J. H. Craig. No. 1,112,679; Oct. 6; Gaz. vol. 207; p. 97.
- Clamp. M. S. Cumner. No. 1,114,970; Oct. 27; Gaz. vol. 207; p. 1032.
- Clamp. J. A. Dillon. No. 1,109,741; Sept. 8; Gaz. vol. 206; p. 354.
- Clamp. A. Erman. No. 1,093,554; Apr. 14; Gaz. vol. 201; p. 519.
- Clamp. R. C. Frazee. No. 1,112,781; Oct. 6; Gaz. vol. 207; p. 130.
- Clamp. G. E. Fritts. No. 1,086,813; Feb. 10; Gaz. vol. 199; p. 477.
- Clamp. H. W. Hayford. No. 1,083,880; Jan. 6; Gaz. vol. 198; p. 201.
- Clamp. F. M. Keller. No. 1,087,664; Feb. 17; Gaz. vol. 199; p. 824.
- Clamp. W. L. Knight. No. 1,093,703; Apr. 21; Gaz. vol. 201; p. 616.
- Clamp. J. R. Miller. No. 1,085,353; Jan. 27; Gaz. vol. 198; p. 798.
- Clamp. W. Schroeder. No. 1,084,712; Jan. 20; Gaz. vol. 198; p. 543.
- Clamp. E. L. Schwartz. No. 1,099,863; June 9; Gaz. vol. 203; p. 555.
- Clamp and case, Combined racket. R. Moore. No. 1,121,113; Dec. 15; Gaz. vol. 209; p. 857.
- Clamp device. T. G. Saxton. No. 1,122,311; Dec. 29; Gaz. vol. 209; p. 1345.
- Clamp device. T. G. Saxton. No. 1,122,312; Dec. 29; Gaz. vol. 209; p. 1346.
- Clamp for concrete-forms. E. C. Mueller. No. 1,115,719; Nov. 3; Gaz. vol. 208; p. 87.
- Clamp for doors, windows, and the like. D. Donald. No. 1,086,281; Feb. 3; Gaz. vol. 199; p. 245.
- Clamp for tear-off blocks. W. Stiewe. No. 1,112,036; Sept. 29; Gaz. vol. 206; p. 1276.
- Clamping device. J. D. Dudley. No. 1,112,990; Oct. 6; Gaz. vol. 207; p. 201.
- Clamping device. P. O'Leary. No. 1,120,403; Dec. 8; Gaz. vol. 209; p. 557.
- Clamping device. S. C. Prosser. No. 1,084,899; Jan. 20; Gaz. vol. 198; p. 605.
- Clamping device. F. X. Wiedeman. No. 1,118,716; Nov. 24; Gaz. vol. 208; p. 1254.
- Clamping-machine. E. J. Bell. No. 1,122,570; Dec. 29; Gaz. vol. 209; p. 1432.
- Clamping-ring, Universal. J. P. M. Malleville. No. 1,111,479; Sept. 22; Gaz. vol. 206; p. 1047.
- Clapboard-gage and shingle-holder. J. Ingles. No. 1,115,202; Oct. 27; Gaz. vol. 207; p. 1116.
- Clapboards, End fixture for siding. F. D. Kees. No. 1,103,050; July 14; Gaz. vol. 204; p. 335.
- Clarifying sugar solutions. E. W. Kopke. No. 1,119,174; Dec. 1; Gaz. vol. 209; p. 95.
- Clarifying transparent media. C. E. Camm. No. 1,117,128; Nov. 10; Gaz. vol. 208; p. 617.
- Clasp. *See* Belt-clasp; Binding-clasp; Bracelet-clasp; Bracelet-chain clasp; Button-clasp; Chain-clasp; Curtain-clasp; Garment-clasp; Harness-clasp; Hose-supporter clasp; Necktie-clasp; Pencil-clasp; Pocket-clasp; Shoulder-clasp; Spring-clasp; Tie-clasp.
- Clasp. A. E. Blofield and J. J. Link. No. 1,111,354; Sept. 22; Gaz. vol. 206; p. 1004.
- Clasp. G. Giugliano. No. 1,099,437; June 9; Gaz. vol. 203; p. 410.
- Clasp. J. L. Gwirtz. No. 1,104,259; July 21; Gaz. vol. 204; p. 793.
- Clasp. F. R. Kenney. No. 1,102,055; June 30; Gaz. vol. 203; p. 1457.
- Clasp. N. F. Schafuss. No. 1,117,914; Nov. 17; Gaz. vol. 208; p. 932.
- Clasp. F. Seeber. No. 1,110,579; Sept. 15; Gaz. vol. 206; p. 691.
- Clasp-brake. T. L. Burton. No. 1,099,234; June 9; Gaz. vol. 203; p. 340.
- Clasp or holding device. B. Ruhmann. No. 1,111,184; Sept. 22; Gaz. vol. 206; p. 947.
- Clasping device for garments and other articles. M. Handelsman and P. Rosenblum. No. 1,087,581; Feb. 17; Gaz. vol. 199; p. 793.
- Classification signal and marker, Combined. C. L. Anway. No. 1,099,633; June 9; Gaz. vol. 203; p. 477.
- Claw-bar. F. C. Wagner. No. 1,123,041; Dec. 29; Gaz. vol. 209; p. 1600.
- Clay-cleaner. B. Jacquart and J. V. V. Booraem. No. 1,089,840; Mar. 10; Gaz. vol. 200; p. 448.
- Clay-cleaner. B. Jacquart and J. V. V. Booraem. No. 1,090,542; Mar. 17; Gaz. vol. 200; p. 733.
- Clay-cleaning-machinery knife or cutter. R. W. Lyle. No. 1,092,584; Apr. 7; Gaz. vol. 201; p. 159.
- Clayware-press. J. H. Davis. No. 1,120,291; Dec. 8; Gaz. vol. 209; p. 516.
- Cleaner. *See* Automobile wind-shield cleaner; Ballast-cleaner; Bobbin-cleaner; Boiler-cleaner; Boiler-flue cleaner; Boiler-tube cleaner; Boot-cleaner; Button-cleaner; Carpet-cleaner; Chimney-cleaner; Clay-cleaner; Comb-cleaner; Cotton-cleaner; Currycomb-cleaner; Diaper-cleaner; Dish-cleaner; Dropping-board cleaner; Eraser-cleaner; Eyeglass-cleaner; Floor-cleaner; Flue-cleaner; Footwear-cleaner; Furnace-cleaner; Gas-burner cleaner; Glass-cleaner; Grain-cleaner; Grain and seed cleaner; Grain-smut cleaner; Graphophone-record cleaner; Lamp-cleaner; Meat-block cleaner; Pan-cleaner; Pea-cleaner; Pen-cleaner; Pipe-cleaner; Pneumatic cleaner; Pond-cleaner; Quill-cleaner; Rail-cleaner; Rake-cleaner; Sack-cleaner; Seed-cleaner; Seed-cotton cleaner; Sewer-cleaner; Shield-cleaner; Sink-trap cleaner; Smoke-stack cleaner; Spark-plug cleaner; Stovepipe-cleaner; Suction-cleaner; Tobacco-pipe cleaner; Track-cleaner; Tube-cleaner; Vacuum-cleaner; Walk-cleaner; Well-cleaner; Wind-shield cleaner; Window-cleaner.
- Cleaner. F. M. Case. No. 1,094,877; Apr. 28; Gaz. vol. 201; p. 1074.
- Cleaner. E. Krantz. No. 1,098,507; June 2; Gaz. vol. 203; p. 52.

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- Cleaner. L. J. Kucki. No. 1,102,765; July 7; Gaz. vol. 204; p. 190.
- Cleaner device. M. J. Bulger. No. 1,094,364; Apr. 21; Gaz. vol. 201; p. 831.
- Cleaning apparatus. A. N. Macnicol. No. 1,122,963; Dec. 29; Gaz. vol. 209; p. 1572.
- Cleaning apparatus. I. H. Spencer. No. 1,103,548; July 14; Gaz. vol. 204; p. 505.
- Cleaning apparatus. I. H. Spencer. No. 1,103,628; July 14; Gaz. vol. 204; p. 537.
- Cleaning apparatus. I. H. Spencer. No. 1,111,768; Sept. 29; Gaz. vol. 206; p. 1184.
- Cleaning apparatus and dust-separator. I. H. Spencer. No. 1,114,058; Oct. 20; Gaz. vol. 207; p. 656.
- Cleaning apparatus, Article-. E. L. Couch. No. 1,083,992; Jan. 13; Gaz. vol. 198; p. 272.
- Cleaning apparatus, Suction. E. M. Waring. No. 1,105,942; Aug. 4; Gaz. vol. 205; p. 125.
- Cleaning articles, Machine for. C. A. Matson. No. 1,086,544; Feb. 10; Gaz. vol. 199; p. 381.
- Cleaning, Composition of matter for. E. C. Bilton. No. 1,117,767; Nov. 17; Gaz. vol. 208; p. 884.
- Cleaning device. A. Brunner. No. 1,085,662; Feb. 3; Gaz. vol. 199; p. 29.
- Cleaning device. J. Carleton and A. L. De Long. No. 1,112,193; Sept. 29; Gaz. vol. 206; p. 1330.
- Cleaning device. L. L. Ferguson. No. 1,099,243; June 9; Gaz. vol. 203; p. 343.
- Cleaning device. L. L. Ferguson. No. 1,099,350; June 9; Gaz. vol. 203; p. 381.
- Cleaning device. L. L. Ferguson. No. 1,099,544; June 9; Gaz. vol. 203; p. 446.
- Cleaning device. L. L. Ferguson. No. 1,104,976; July 28; Gaz. vol. 204; p. 1092.
- Cleaning device. B. and L. Ziegler. No. 1,120,780; Dec. 15; Gaz. vol. 209; p. 738.
- Cleaning device, Suction. G. C. Schmitz. No. 1,116,850; Nov. 10; Gaz. vol. 208; p. 522.
- Cleaning devices, Casing for. C. H. Beach. No. 1,094,050; Apr. 21; Gaz. vol. 201; p. 730.
- Cleaning implement. J. North. No. 1,117,513; Nov. 17; Gaz. vol. 208; p. 793.
- Cleaning machine, Dry-. E. Y. White. No. 1,100,334; June 16; Gaz. vol. 203; p. 755.
- Cleaning machine, Surface-. H. S. Irvine. No. 1,095,327; May 5; Gaz. vol. 202; p. 53.
- Cleaning mechanism. R. C. Quatmann. No. 1,122,637; Dec. 29; Gaz. vol. 209; p. 1457.
- Cleaning surfaces. G. Durham and C. W. McGuirk. No. 1,113,967; Oct. 20; Gaz. vol. 207; p. 625.
- Cleaning-tool. O. Elbe. No. 1,090,698; Mar. 17; Gaz. vol. 200; p. 785.
- Cleaning-tool. I. H. Spencer. No. 1,104,148; July 21; Gaz. vol. 204; p. 756.
- Cleaning utensil. J. Magruder. No. 1,115,222; Oct. 27; Gaz. vol. 207; p. 1123.
- Clearer - stick, Collapsible. F. H. McDevitt. No. 1,114,784; Oct. 27; Gaz. vol. 207; p. 966.
- Cleat. P. C. Brosius. No. 1,100,170; June 16; Gaz. vol. 203; p. 699.
- Cleat for tractors, Detachable tread-. C. A. Hyde. No. 1,114,768; Oct. 27; Gaz. vol. 207; p. 960.
- Cleat, Mooring-. W. R. Donnell. No. 1,119,252; Dec. 1; Gaz. vol. 209; p. 121.
- Cleat, Nailing-. W. P. Coldren. No. 1,109,738; Sept. 8; Gaz. vol. 206; p. 352.
- Cleat, Traction-wheel. F. I. and B. P. Remy and A. Berger. No. 1,090,410; Mar. 17; Gaz. vol. 200; p. 687.
- Cleaving slate-blocks and the like, Machine for. C. Sudre. No. 1,084,827; Jan. 20; Gaz. vol. 198; p. 582.
- Clevis. H. C. Berg. No. 1,117,310; Nov. 17; Gaz. vol. 208; p. 723.
- Clevis. C. A. Gorder. No. 1,090,529; Mar. 17; Gaz. vol. 200; p. 730.
- Clevis. C. D. Havens. No. 1,095,859; May 5; Gaz. vol. 202; p. 233.
- Clevis. E. L. Smith. No. 1,113,256; Oct. 13; Gaz. vol. 207; p. 336.
- Clevis. J. R. Weathersby. No. 1,099,000; June 2; Gaz. vol. 203; p. 217.
- Clevis attachment for plows. C. W. Clapp. No. 1,095,549; May 5; Gaz. vol. 202; p. 130.
- Clevis connection. F. Burgner and J. Burch. No. 1,116,987; Nov. 10; Gaz. vol. 208; p. 568.
- Clevis for whiffletrees. P. H. Boice. No. 1,083,657; Jan. 6; Gaz. vol. 198; p. 132.
- Clicking-machine. C. H. Roper. No. 1,112,326; Sept. 29; Gaz. vol. 206; p. 1377.
- Climbing device. R. Laborda. No. 1,110,566; Sept. 15; Gaz. vol. 206; p. 686.
- Climbing device, Rope-. L. F. Cooper. No. 1,115,401; Oct. 27; Gaz. vol. 207; p. 1182.
- Clinker-breaking machine. G. M. Gill. No. 1,100,476; June 16; Gaz. vol. 203; p. 805.
- Clip. *See* Bandage-clip; Case-clip; Collar-fastening clip; Filing-clip; Fuse-clip; Gun-clip; Hame-clip; Haulage-clip; Letter-clip; Line-clip; Metal clip; Newspaper-clip; Paper-clip; Pen-clip; Pen-cap clip; Pen or pencil clip; Pencil-clip; Photographic-printing clip; Pin-clip; Pocket-clip; Rung-engaging clip; Soffit-clip; Spring-clip; Spring - attaching clip; Tenter - clip; Tug - clip; Watch or jewelry clip; Window-clip.
- Clip. W. E. Davis. No. 1,105,497; July 28; Gaz. vol. 204; p. 1275.
- Clip. D. B. Jacobs. No. 1,113,010; Oct. 6; Gaz. vol. 207; p. 208.
- Clip. F. B. King and R. L. Stevens. No. 1,085,269; Jan. 27; Gaz. vol. 198; p. 769.
- Clip. R. Marx. No. 1,088,602; Feb. 24; Gaz. vol. 199; p. 1186.
- Clip. H. B. Ray. No. 1,099,819; June 9; Gaz. vol. 203; p. 539.
- Clip. C. E. Rogers. No. 1,117,094; Nov. 10; Gaz. vol. 208; p. 606.
- Clipper. N. Accisano. No. 1,086,799; Feb. 10; Gaz. vol. 199; p. 472.
- Clipper. G. Miller. No. 1,091,232; Mar. 24; Gaz. vol. 200; p. 1001.
- Clipper, Hair-. J. Havassy. No. 1,122,920; Dec. 29; Gaz. vol. 209; p. 1557.
- Clipper, Rotary. E. G. Kesling. No. 1,086,774; Feb. 10; Gaz. vol. 199; p. 463.
- Clock. S. Aronson. No. 1,099,110; June 2; Gaz. vol. 203; p. 251.
- Clock. J. Christensen. No. 1,120,599; Dec. 8; Gaz. vol. 209; p. 627.
- Clock. L. D. Giddens. No. 1,104,043; July 21; Gaz. vol. 204; p. 720.
- Clock. J. E. Guedry. No. 1,088,896; Mar. 3; Gaz. vol. 200; p. 76.
- Clock. H. W. Hicks. No. 1,107,947; Aug. 18; Gaz. vol. 205; p. 917.
- Clock. G. Kern. No. 1,086,719; Feb. 10; Gaz. vol. 199; p. 443.
- Clock. W. E. Porter. No. 1,089,866; Mar. 10; Gaz. vol. 200; p. 456.
- Clock. H. J. Treganza. No. 1,103,453; July 14; Gaz. vol. 204; p. 473.
- Clock. E. M. Walker. No. 1,103,552; July 14; Gaz. vol. 204; p. 507.
- Clock. A. M. Yeakle. No. 1,089,099; Mar. 3; Gaz. vol. 200; p. 145.
- Clock, Alarm-. V. E. Adland. No. 1,113,279; Oct. 13; Gaz. vol. 207; p. 345.
- Clock, Alarm-. C. W. Cook. No. 1,120,030; Dec. 8; Gaz. vol. 209; p. 425.
- Clock, Alarm-. E. E. Gage. No. 1,088,978; Mar. 3; Gaz. vol. 200; p. 105.
- Clock, Alarm-. G. Kern. No. 1,089,648; Mar. 10; Gaz. vol. 200; p. 382.
- Clock, Alarm-. W. J. Smith. No. 1,106,852; Aug. 11; Gaz. vol. 205; p. 487.
- Clock, Alarm-. H. J. Treganza. No. 1,116,764; Nov. 10; Gaz. vol. 208; p. 491.
- Clock alarm attachment. H. W. Christensen. No. 1,115,396; Oct. 27; Gaz. vol. 207; p. 1180.
- Clock alarm mechanism. H. J. Treganza. No. 1,115,134; Oct. 27; Gaz. vol. 207; p. 1091.
- Clock, Appointment-. W. C. Cutler. No. 1,091,486; Mar. 31; Gaz. vol. 200; p. 1127.
- Clock, Astrological. K. M. Phillips. No. 1,095,227; May 5; Gaz. vol. 202; p. 19.
- Clock attachment, Alarm-. R. P. Packard. No. 1,086,932; Feb. 10; Gaz. vol. 199; p. 517.
- Clock attachment, Alarm-. E. H. Pratt. No. 1,090,648; Mar. 17; Gaz. vol. 200; p. 770.
- Clock, Automatic alarm time-. G. B. Starr. No. 1,108,636; Aug. 25; Gaz. vol. 205; p. 1206.
- Clock, Automobile-. E. Herold. No. 1,107,068; Aug. 11; Gaz. vol. 205; p. 559.
- Clock-bank. E. C. Brockway. No. 1,091,422; Mar. 24; Gaz. vol. 200; p. 1060.
- Clock-case, Automobile. C. Fitch. No. 1,112,280; Sept. 29; Gaz. vol. 206; p. 1361.
- Clock, Coin-freed. P. Bonhomme. No. 1,106,128; Aug. 4; Gaz. vol. 205; p. 191.
- Clock, Electric. L. Cerf. No. 1,115,283; Oct. 27; Gaz. vol. 207; p. 1142.
- Clock, Electric. E. E. Clement. No. 1,096,680; May 12; Gaz. vol. 202; p. 547.
- Clock, Electric. E. E. Clement. No. 1,096,778; May 12; Gaz. vol. 202; p. 580.
- Clock, Electric. E. E. Clement. No. 1,096,779; May 12; Gaz. vol. 202; p. 580.
- Clock, Electric. F. Holden. No. 1,111,393; Sept. 22; Gaz. vol. 206; p. 1014.
- Clock, Electric. J. J. Moore. No. 1,091,153; Mar. 24; Gaz. vol. 200; p. 973.
- Clock, Electric alarm-. F. Goss. No. 1,085,412; Jan. 27; Gaz. vol. 198; p. 818.
- Clock, Electric master-. A. Zabs. No. 1,118,422; Nov. 24; Gaz. vol. 208; p. 1151.
- Clock, Electrically illuminated. E. E. Clement. No. 1,096,682; May 12; Gaz. vol. 202; p. 548.

Alphabetical list of inventions—Continued.

- Clock escapement-adjustment. A. D. Wycoff. No. 1,095,259; May 5; Gaz. vol. 202; p. 29.
- Clock escapement, Tower-. A. M. Gordon. No. 1,109,581; Sept. 1; Gaz. vol. 206; p. 253.
- Clock, Graphophone-. H. L. Hartenstein. No. 1,104,260; July 21; Gaz. vol. 204; p. 794.
- Clock, Illuminated. A. Morina. No. 1,090,744; Mar. 17; Gaz. vol. 200; p. 799.
- Clock, Intermittent and long alarm. J. R. Putnam. No. 1,110,714; Sept. 15; Gaz. vol. 206; p. 740.
- Clock, Keyless. C. H. Bell. No. 1,087,076; Feb. 10; Gaz. vol. 199; p. 564.
- Clock, Keyless automobile-. W. E. Porter. No. 1,100,443; June 16; Gaz. vol. 203; p. 793.
- Clock mechanism, Pneumatic. A. L. Hahl. No. 1,098,494; June 2; Gaz. vol. 203; p. 47.
- Clock, Portable watchman's. O. E. Hausburg. No. 1,102,266; July 7; Gaz. vol. 204; p. 15.
- Clock, Recording-. J. F. Bailey. No. 1,101,385; June 23; Gaz. vol. 203; p. 1170.
- Clock, Rim-winding keyless. W. E. Porter. No. 1,102,798; July 7; Gaz. vol. 204; p. 201.
- Clock, Secondary. W. M. Jeffreys and W. H. Creahen. No. 1,083,834; Jan. 6; Gaz. vol. 198; p. 188.
- Clock, Secondary electric. E. F. Geiger. No. 1,121,347; Dec. 15; Gaz. vol. 209; p. 935.
- Clock, Self-winding. M. Castel. No. 1,104,345; July 21; Gaz. vol. 204; p. 824.
- Clock, Self-winding. N. Friedman. No. 1,091,500; Mar. 31; Gaz. vol. 200; p. 1132.
- Clock, Strike and chime. F. Wehinger. No. 1,110,732; Sept. 15; Gaz. vol. 206; p. 746.
- Clock-switch. H. J. Treganza. No. 1,088,381; Feb. 24; Gaz. vol. 199; p. 1115.
- Clock-synchronizer. M. Hendler. No. 1,103,581; July 14; Gaz. vol. 204; p. 519.
- Clock, Watchman's. F. Hardinge. (Reissue.) No. 13,743; June 9; Gaz. vol. 203; p. 570.
- Clock, Watchman's. O. E. Hausburg. No. 1,099,439; June 9; Gaz. vol. 203; p. 411.
- Clocks, Automatic set for alarm-. G. Kern. No. 1,096,542; May 12; Gaz. vol. 202; p. 501.
- Clocks, Automatic synchronizer-indicator for. E. A. Hummel. No. 1,096,536; May 12; Gaz. vol. 202; p. 500.
- Clocks, Case-back for nickel alarm-. F. C. Hoffman. No. 1,120,651; Dec. 8; Gaz. vol. 209; p. 646.
- Clocks, Gravity-escapement for. E. A. Hummel. No. 1,097,637; May 26; Gaz. vol. 202; p. 968.
- Clocks, Intermittent-alarm mechanism for. F. Gubing. No. 1,101,536; June 30; Gaz. vol. 203; p. 1273.
- Clocks, Lighting attachment for alarm-. A. T. Britt. No. 1,084,603; Jan. 20; Gaz. vol. 198; p. 503.
- Clocks, Removable spring-housing for. H. Kienzle. No. 1,110,061; Sept. 8; Gaz. vol. 206; p. 467.
- Clocks, Time-control element for electric. E. E. Clement. No. 1,096,681; May 12; Gaz. vol. 202; p. 548.
- Clod cutter and crusher, Combined. D. G. Teter. No. 1,103,450; July 14; Gaz. vol. 204; p. 472.
- Closet. *See* Cabinet-closet; Dry closet; Sanitary closet; Wall-closet; Warming-closet; Water-closet.
- Closet. H. M. Keith. No. 1,091,346; Mar. 24; Gaz. vol. 200; p. 1035.
- Closet. J. J. Klein. No. 1,096,843; May 19; Gaz. vol. 202; p. 646.
- Closet. M. R. Wilcox. No. 1,090,508; Mar. 17; Gaz. vol. 200; p. 722.
- Closet-bowl and flush-tank, Combined. J. W. Fennel. No. 1,083,815; Jan. 6; Gaz. vol. 198; p. 183.
- Closet-bowls and the like, Floor-plate for. E. W. N. Boosey. No. 1,112,760; Oct. 6; Gaz. vol. 207; p. 124.
- Closet-cistern attachment. T. E. Menard. No. 1,114,169; Oct. 20; Gaz. vol. 207; p. 697.
- Closet connection. G. M. McCloskey. No. 1,106,726; Aug. 11; Gaz. vol. 205; p. 443.
- Closet-rinsing device, Sanitary. J. P. Goverts. No. 1,088,696; Mar. 3; Gaz. vol. 200; p. 9.
- Closet sanitation, Railway-. H. T. Cronk. No. 1,097,003; May 19; Gaz. vol. 202; p. 702.
- Closet-seat, Sanitary. F. J. Graves. No. 1,106,647; Aug. 11; Gaz. vol. 205; p. 416.
- Closet-seat sanitary covering. F. I. Mesick, E. P. W. Elliot, and M. E. Woodcock. No. 1,108,460; Aug. 25; Gaz. vol. 205; p. 1144.
- Closet-seat stop. R. McCord. No. 1,093,640; Apr. 21; Gaz. vol. 201; p. 593.
- Closet-seat structure. C. A. Miller. No. 1,110,072; Sept. 8; Gaz. vol. 206; p. 471.
- Closet-stool, Automatic fly-proof. E. J. Haley. No. 1,084,426; Jan. 13; Gaz. vol. 198; p. 416.
- Closet-tank, Railway. H. T. Cronk. No. 1,085,850; Feb. 3; Gaz. vol. 199; p. 96.
- Closet-valve. B. G. Campbell. No. 1,092,336; Apr. 7; Gaz. vol. 201; p. 74.
- Closets, Floor connection for. H. J. McNamara. No. 1,084,583; Jan. 13; Gaz. vol. 198; p. 469.
- Closure. T. P. Kiley. No. 1,094,662; Apr. 28; Gaz. vol. 201; p. 999.
- Closure. S. Shapiro. No. 1,093,735; Apr. 21; Gaz. vol. 201; p. 626.
- Closure. O. N. Tevander and A. Manierre. No. 1,117,147; Nov. 10; Gaz. vol. 208; p. 624.
- Closure. G. P. Wild. No. 1,105,229; July 28; Gaz. vol. 204; p. 1180.
- Closure and clamp therefor, Air-tight. E. J. Feeny. No. 1,089,754; Mar. 10; Gaz. vol. 200; p. 419.
- Closure and insect-trap, Combined. W. A. Sellars. No. 1,117,259; Nov. 17; Gaz. vol. 208; p. 703.
- Closure and nozzle for containing vessels. E. D. Chellis. No. 1,115,507; Nov. 3; Gaz. vol. 208; p. 14.
- Closure and retaining device, Combined. W. C. Fritschle. No. 1,115,656; Nov. 3; Gaz. vol. 208; p. 65.
- Closure, Container-. D. Häussler. No. 1,122,749; Dec. 29; Gaz. vol. 209; p. 1495.
- Closure device. O. Clement. No. 1,101,835; June 30; Gaz. vol. 203; p. 1376.
- Closure for the openings of containers. L. O. Brown and L. Bauroth. No. 1,090,824; Mar. 17; Gaz. vol. 200; p. 826.
- Closures, Controlling means for swinging. A. Arens. No. 1,094,961; Apr. 28; Gaz. vol. 201; p. 1104.
- Cloth-board made of pulp material. W. T. Wilson. No. 1,112,957; Oct. 6; Gaz. vol. 207; p. 190.
- Cloth-boards, Construction of. A. M. Chaffee. No. 1,100,354; June 16; Gaz. vol. 203; p. 762.
- Cloth-boards, Making. A. M. Chaffee. No. 1,083,593; Jan. 6; Gaz. vol. 198; p. 110.
- Cloth-clamp. W. S. Rowley. No. 1,116,630; Nov. 10; Gaz. vol. 208; p. 444.
- Cloth cooling and conditioning machine. I. L. Sjöström. No. 1,095,680; May 5; Gaz. vol. 202; p. 173.
- Cloth-cutter. L. H. Williams. No. 1,122,050; Dec. 22; Gaz. vol. 209; p. 1218.
- Cloth-cutter's holder. A. Cash. No. 1,115,172; Oct. 27; Gaz. vol. 207; p. 1104.
- Cloth-cutting machine. M. R. Maimin. No. 1,108,791; July 14; Gaz. vol. 204; p. 593.
- Cloth-cutting machine. G. Scott. No. 1,104,143; July 21; Gaz. vol. 204; p. 754.
- Cloth-cutting machine. M. Siegel. No. 1,116,335; Nov. 3; Gaz. vol. 208; p. 295.
- Cloth-cutting machine. H. L. Young. No. 1,088,955; Mar. 3; Gaz. vol. 200; p. 98.
- Cloth-folding machine. K. Künzi. No. 1,097,649; May 26; Gaz. vol. 202; p. 972.
- Cloth-folding machine. W. I. Lewis. No. 1,109,296; Sept. 1; Gaz. vol. 206; p. 155.
- Cloth-folding machine. C. A. Stewart. No. 1,109,801; Sept. 8; Gaz. vol. 206; p. 372.
- Cloth for testing its resistance to wearing, Preparing. A. Kertesz. No. 1,116,077; Nov. 3; Gaz. vol. 208; p. 209.
- Cloth-guiding device. G. W. Tait. No. 1,092,608; Apr. 7; Gaz. vol. 201; p. 168.
- Cloth-laying machine. C. J. Sussman. No. 1,102,555; July 7; Gaz. vol. 204; p. 116.
- Cloth, Licker-in. L. Stocker. No. 1,099,321; June 9; Gaz. vol. 203; p. 370.
- Cloth, Machine for extracting moisture from. D. Gessner. No. 1,115,808; Nov. 3; Gaz. vol. 208; p. 114.
- Cloth-marking attachment. R. E. Whitt. No. 1,096,775; May 12; Gaz. vol. 202; p. 579.
- Cloth. Means for cold-pressing. D. Gessner. No. 1,095,568; May 5; Gaz. vol. 202; p. 135.
- Cloth, Patching. T. E. Sperry. No. 1,116,748; Nov. 10; Gaz. vol. 208; p. 484.
- Cloth-pressing machine. D. Gessner. No. 1,090,611; Mar. 17; Gaz. vol. 200; p. 758.
- Cloth sponging and refinishing machine. E. F. Rummler. No. 1,086,086; Feb. 3; Gaz. vol. 199; p. 182.
- Cloth-sponging apparatus. B. Lapin. No. 1,090,313; Mar. 17; Gaz. vol. 200; p. 653.
- Cloth-treating machine. I. Barnett. No. 1,113,532; Oct. 13; Gaz. vol. 207; p. 436.
- Cloth-working machine. G. H. Wiemann. No. 1,086,967; Feb. 10; Gaz. vol. 199; p. 529.
- Clothes and the like hanger. H. R. Fowler. No. 1,095,323; May 5; Gaz. vol. 202; p. 51.
- Clothes and the like hanger. R. Ingenlath. No. 1,106,511; Aug. 11; Gaz. vol. 205; p. 367.
- Clothes catcher and drainer. M. Graaf. No. 1,101,176; June 23; Gaz. vol. 203; p. 1099.
- Clothes-drier. M. J. and H. O. Bucey. No. 1,112,765; Oct. 6; Gaz. vol. 207; p. 125.
- Clothes-drier. S. Butterworth. No. 1,109,279; Sept. 1; Gaz. vol. 206; p. 150.
- Clothes-drier. J. L. Clarke. No. 1,090,837; Mar. 24; Gaz. vol. 200; p. 863.
- Clothes-drier. H. G. Eisler. No. 1,122,486; Dec. 29; Gaz. vol. 209; p. 1403.
- Clothes-drier. O. E. Enell. No. 1,099,898; June 9; Gaz. vol. 203; p. 567.
- Clothes-drier. R. N. Holmes. No. 1,122,276; Dec. 29; Gaz. vol. 209; p. 1334.
- Clothes-drier. W. M. Ismond. No. 1,100,882; June 23; Gaz. vol. 203; p. 996.
- Clothes-drier. O. Kylo. No. 1,113,169; Oct. 6; Gaz. vol. 207; p. 262.
- Clothes-drier. S. A. Rosen. No. 1,117,248; Nov. 17; Gaz. vol. 208; p. 700.
- Clothes-drier. P. I. Saunders. No. 1,107,847; Aug. 18; Gaz. vol. 205; p. 885.

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- Clothes-drier. J. Ubl. No. 1,106,993; Aug. 11; Gaz. vol. 205; p. 539.
- Clothes-drier. E. A. Williams. No. 1,090,002; Mar. 10; Gaz. vol. 200; p. 504.
- Clothes-drier. G. E. Williams and M. W. Walker. No. 1,118,088; Nov. 24; Gaz. vol. 208; p. 1034.
- Clothes-drier. S. Williamson. No. 1,109,890; Sept. 8; Gaz. vol. 206; p. 406.
- Clothes-drying machine. F. M. Raymond. No. 1,091,706; Mar. 31; Gaz. vol. 200; p. 1202.
- Clothes-drying rack. R. G. Boehme. No. 1,091,278; Mar. 24; Gaz. vol. 200; p. 1015.
- Clothes-fastening device. E. S. Crumb. No. 1,088,545; Feb. 24; Gaz. vol. 199; p. 1168.
- Clothes-hanger. C. Bujger. No. 1,107,488; Aug. 18; Gaz. vol. 205; p. 759.
- Clothes-hanger. A. Lewyt. No. 1,099,261; June 9; Gaz. vol. 203; p. 348.
- Clothes-line. F. Charest. No. 1,111,563; Sept. 22; Gaz. vol. 206; p. 1076.
- Clothes-line adjuster. A. L. Flint. No. 1,085,559; Jan. 27; Gaz. vol. 198; p. 864.
- Clothes-line fastener. F. Comes. No. 1,106,132; Aug. 4; Gaz. vol. 205; p. 193.
- Clothes-line holder. G. E. Alexander. No. 1,086,118; Feb. 3; Gaz. vol. 199; p. 194.
- Clothes-line holder. S. Berzak and S. Arotzer. No. 1,106,917; Aug. 11; Gaz. vol. 205; p. 510.
- Clothes-line holder. D. W. Gore. No. 1,085,729; Feb. 3; Gaz. vol. 199; p. 53.
- Clothes-line holder. S. M. Harrison and W. E. Smith. No. 1,107,786; Aug. 18; Gaz. vol. 205; p. 864.
- Clothes-line holder. J. Neff, Sr. No. 1,121,030; Dec. 15; Gaz. vol. 209; p. 825.
- Clothes-line prop. H. Hunt. No. 1,100,375; June 16; Gaz. vol. 203; p. 770.
- Clothes-line prop. W. M. Smith. No. 1,118,821; Nov. 24; Gaz. vol. 208; p. 1288.
- Clothes-line reel. M. T. Kennelly. No. 1,120,821; Dec. 15; Gaz. vol. 209; p. 752.
- Clothes-line reel. W. M. Palmer. No. 1,111,489; Sept. 22; Gaz. vol. 206; p. 1050.
- Clothes-line reel. E. W. Powers. No. 1,107,445; Aug. 18; Gaz. vol. 205; p. 743.
- Clothes-line reel. C. F. Schwanengel and C. H. Hanauer. No. 1,099,517; June 9; Gaz. vol. 203; p. 437.
- Clothes-line reel. N. W. Trautner. No. 1,089,023; Mar. 3; Gaz. vol. 200; p. 119.
- Clothes-line sheave. F. Brown. No. 1,106,696; Aug. 11; Gaz. vol. 205; p. 432.
- Clothes-line support. A. C. Lindheimer. No. 1,115,555; Nov. 3; Gaz. vol. 208; p. 30.
- Clothes-line support. A. R. Meyer, Jr. No. 1,122,974; Dec. 29; Gaz. vol. 209; p. 1576.
- Clothes-line support. C. L. Riker, Jr. No. 1,103,083; July 14; Gaz. vol. 204; p. 346.
- Clothes-line support. G. Young. No. 1,100,813; June 23; Gaz. vol. 203; p. 972.
- Clothes-line supporting and manipulating apparatus. G. F. Goelz. No. 1,122,906; Dec. 29; Gaz. vol. 209; p. 1552.
- Clothes-line tightener. D. M. Winans. No. 1,103,722; July 14; Gaz. vol. 204; p. 570.
- Clothes-lines, Device for spacing the upper and lower laps of endless. C. J. Steele. No. 1,091,089; Mar. 24; Gaz. vol. 200; p. 951.
- Clothes-pin. B. Altman and B. A. Kosman. No. 1,094,186; Apr. 21; Gaz. vol. 201; p. 776.
- Clothes-pin. J. A. Bradley. No. 1,106,487; Aug. 11; Gaz. vol. 205; p. 358.
- Clothes-pin. H. F. Condon. No. 1,109,967; Sept. 8; Gaz. vol. 206; p. 434.
- Clothes-pin. F. J. Dostal, Jr. No. 1,088,553; Feb. 24; Gaz. vol. 199; p. 1170.
- Clothes-pin. G. W. Field. No. 1,113,109; Oct. 6; Gaz. vol. 207; p. 240.
- Clothes-pin. J. H. Gamble. No. 1,117,830; Nov. 17; Gaz. vol. 208; p. 906.
- Clothes-pin. W. H. Griffin. No. 1,107,058; Aug. 11; Gaz. vol. 205; p. 556.
- Clothes-pin. L. Guenette. No. 1,109,984; Sept. 8; Gaz. vol. 206; p. 440.
- Clothes-pin. O. Mathis. No. 1,093,449; Apr. 14; Gaz. vol. 201; p. 488.
- Clothes-pin. S. M. Sovocool. No. 1,120,166; Dec. 8; Gaz. vol. 209; p. 472.
- Clothes-pin. S. Wilkins. No. 1,091,413; Mar. 24; Gaz. vol. 200; p. 1057.
- Clothes-pin. J. H. Yeager. No. 1,110,025; Sept. 8; Gaz. vol. 206; p. 454.
- Clothes-pin-making machine. E. W. Turner and H. S. Reams. No. 1,109,948; Sept. 8; Gaz. vol. 206; p. 427.
- Clothes-pin, Wire. J. L. Buckley and J. W. Coin. No. 1,104,871; July 28; Gaz. vol. 204; p. 1056.
- Clothes-pin, Wire. R. Kehn. No. 1,103,420; July 14; Gaz. vol. 204; p. 462.
- Clothes-pin, Wire. S. S. Putney. No. 1,119,116; Dec. 1; Gaz. vol. 209; p. 76.
- Clothes-pounder. H. L. Albisser and J. Simon. No. 1,107,009; Aug. 11; Gaz. vol. 205; p. 539.
- Clothes-pounder. H. Allers. No. 1,100,339; June 16; Gaz. vol. 203; p. 757.
- Clothes-pounder. N. F. Ambursen. No. 1,089,808; Mar. 10; Gaz. vol. 200; p. 436.
- Clothes-pounder. N. F. Ambursen. No. 1,089,809; Mar. 10; Gaz. vol. 200; p. 436.
- Clothes-pounder. E. M. Bigelow. No. 1,093,969; Apr. 21; Gaz. vol. 201; p. 702.
- Clothes-pounder. W. J. Frank. No. 1,092,640; Apr. 7; Gaz. vol. 201; p. 179.
- Clothes-pounder. W. S. Halliday. No. 1,107,939; Aug. 18; Gaz. vol. 205; p. 915.
- Clothes-pounder. J. E. Harrison. No. 1,083,324; Jan. 6; Gaz. vol. 198; p. 22.
- Clothes-pounder. R. W. Jamieson and T. Miller. No. 1,095,638; May 5; Gaz. vol. 202; p. 159.
- Clothes-pounder. P. A. Ruppelt. No. 1,107,707; Aug. 18; Gaz. vol. 205; p. 836.
- Clothes-pounder. A. Schott. No. 1,098,978; June 2; Gaz. vol. 203; p. 210.
- Clothes-pounder. F. L. Udell and G. E. Predock. No. 1,093,016; Apr. 14; Gaz. vol. 201; p. 340.
- Clothes-pounder. C. M. Whitman. No. 1,109,494; Sept. 1; Gaz. vol. 206; p. 224.
- Clothes pounder and washer. W. G. Moore. No. 1,107,824; Aug. 18; Gaz. vol. 205; p. 876.
- Clothes-rack. M. L. Andrews. No. 1,109,275; Sept. 1; Gaz. vol. 206; p. 149.
- Clothes-rack. F. D. Pelletier. No. 1,101,090; June 23; Gaz. vol. 203; p. 1070.
- Clothes-rack. S. M. Nelson. No. 1,103,997; July 21; Gaz. vol. 204; p. 704.
- Clothes-rack. S. C. Thompson. No. 1,089,290; Mar. 3; Gaz. vol. 200; p. 210.
- Clothes-rack and table, Combined. I. Sprunger. No. 1,106,418; Aug. 11; Gaz. vol. 205; p. 331.
- Clothes-reel. A. M. Melcher. No. 1,122,527; Dec. 29; Gaz. vol. 209; p. 1418.
- Clothes-reel. J. T. Pilkington. No. 1,119,633; Dec. 1; Gaz. vol. 209; p. 253.
- Clothes-retainer. G. H. Wheary. No. 1,093,222; Apr. 14; Gaz. vol. 201; p. 411.
- Clothes-sprinkler. M. N. Lenning. No. 1,100,314; June 16; Gaz. vol. 203; p. 749.
- Clothes-washer. E. Baldwin. No. 1,085,397; Jan. 27; Gaz. vol. 198; p. 813.
- Clothes-washer. M. J. and E. W. Beeney. No. 1,093,101; Apr. 14; Gaz. vol. 201; p. 370.
- Clothes-washer. W. R. Chisham. No. 1,092,896; Apr. 14; Gaz. vol. 201; p. 300.
- Clothes-washer. C. F. Fogg. No. 1,115,297; Oct. 27; Gaz. vol. 207; p. 1148.
- Clothes-washer. A. Katz. No. 1,105,978; Aug. 4; Gaz. vol. 205; p. 137.
- Clothes-washer. W. Murphy. No. 1,089,781; Mar. 10; Gaz. vol. 200; p. 427.
- Clothes-washer. G. P. Rogers. No. 1,102,958; July 7; Gaz. vol. 204; p. 255.
- Clothes-washer. E. F. Wallace. No. 1,116,520; Nov. 10; Gaz. vol. 208; p. 403.
- Clothes-washer, Aerating. A. Fay. No. 1,114,974; Oct. 27; Gaz. vol. 207; p. 1033.
- Clothes-washer, Suction. P. Sciarrett. No. 1,099,400; June 9; Gaz. vol. 203; p. 398.
- Clothes-washing device. E. E. Yates. No. 1,118,996; Dec. 1; Gaz. vol. 209; p. 33.
- Clothes - wrapper, Mothproof. S. C. Chambers. No. 1,100,121; June 16; Gaz. vol. 203; p. 682.
- Clothes-wringer. J. E. Condon. No. 1,113,603; Oct. 13; Gaz. vol. 207; p. 459.
- Clothes-wringer. P. H. Kelly. No. 1,100,830; June 23; Gaz. vol. 203; p. 978.
- Clothes-wringer. C. B. Lebcher. No. 1,108,589; Aug. 25; Gaz. vol. 205; p. 1191.
- Clothes-wringer. G. W. Lewis. No. 1,107,676; Aug. 18; Gaz. vol. 205; p. 825.
- Clothing-patch. W. W. McLaurin. No. 1,113,030; Oct. 6; Gaz. vol. 207; p. 214.
- Clover-hullers and the like, Rasp for. O. Crepeau. No. 1,102,980; July 7; Gaz. vol. 204; p. 262.
- Cluster-sockets, Subbase for. R. B. Benjamin. No. 1,102,383; July 7; Gaz. vol. 204; p. 56.
- Clutch. G. K. Atkinson. No. 1,093,306; Apr. 14; Gaz. vol. 201; p. 443.
- Clutch. F. E. Baker. No. 1,120,663; Dec. 15; Gaz. vol. 209; p. 696.
- Clutch. W. E. Barnard. No. 1,090,444; Mar. 17; Gaz. vol. 200; p. 700.
- Clutch. J. T. Beechlyn. No. 1,097,161; May 19; Gaz. vol. 202; p. 760.
- Clutch. E. H. Belknap. No. 1,091,474; Mar. 31; Gaz. vol. 200; p. 1122.
- Clutch. E. H. Buckley. No. 1,116,985; Nov. 10; Gaz. vol. 208; p. 568.
- Clutch. L. A. Casgrain. No. 1,116,385; Nov. 10; Gaz. vol. 208; p. 354.
- Clutch. W. Christie. No. 1,107,588; Aug. 18; Gaz. vol. 205; p. 793.
- Clutch. C. A. Erickson. No. 1,096,781; May 12; Gaz. vol. 202; p. 581.

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- Clutch. H. N. Faas. No. 1,114,683; Oct. 20; Gaz. vol. 207; p. 876.
- Clutch. F. K. Fasset. No. 1,118,518; Nov. 24; Gaz. vol. 208; p. 1185.
- Clutch. A. J. Fippard. No. 1,092,344; Apr. 7; Gaz. vol. 201; p. 76.
- Clutch. C. F. Hetherington. No. 1,106,563; Aug. 11; Gaz. vol. 205; p. 386.
- Clutch. L. J. Holt. No. 1,122,502; Dec. 29; Gaz. vol. 209; p. 1409.
- Clutch. V. R. Koontz. No. 1,110,212; Sept. 8; Gaz. vol. 206; p. 521.
- Clutch. J. F. Morgai. No. 1,092,379; Apr. 7; Gaz. vol. 201; p. 88.
- Clutch. A. E. Newton. No. 1,098,750; June 2; Gaz. vol. 203; p. 134.
- Clutch. J. R. Plank. No. 1,096,052; May 12; Gaz. vol. 202; p. 335.
- Clutch. S. I. Prescott. No. 1,114,035; Oct. 20; Gaz. vol. 207; p. 647.
- Clutch. F. G. Rathsam. No. 1,088,723; Mar. 3; Gaz. vol. 200; p. 18.
- Clutch. R. R. Redman. No. 1,096,752; May 12; Gaz. vol. 202; p. 572.
- Clutch. H. Schlicht. No. 1,107,710; Aug. 18; Gaz. vol. 205; p. 837.
- Clutch. J. R. Scott. No. 1,118,449; Nov. 24; Gaz. vol. 208; p. 1161.
- Clutch. C. Sintz. No. 1,108,936; Sept. 1; Gaz. vol. 206; p. 27.
- Clutch. O. Smith. No. 1,086,865; Feb. 10; Gaz. vol. 199; p. 496.
- Clutch. G. Stinebring. No. 1,107,724; Aug. 18; Gaz. vol. 205; p. 842.
- Clutch. J. M. Stocker. No. 1,098,189; May 26; Gaz. vol. 202; p. 1162.
- Clutch. E. Traub. No. 1,089,512; Mar. 10; Gaz. vol. 200; p. 335.
- Clutch. W. B. Wigle. No. 1,110,519; Sept. 15; Gaz. vol. 206; p. 671.
- Clutch-actuating device. B. M. W. Hanson. No. 1,084,545; Jan. 13; Gaz. vol. 198; p. 454.
- Clutch-actuating device. A. E. Strand. No. 1,113,710; Oct. 13; Gaz. vol. 207; p. 496.
- Clutch and brake control for shafts. A. W. Purchas. No. 1,114,286; Oct. 20; Gaz. vol. 207; p. 739.
- Clutch and brake control, Motor-vehicle. H. E. Coffin. No. 1,105,548; July 28; Gaz. vol. 204; p. 1293.
- Clutch and brake mechanism. F. G. Dustin, O. M. Frykman, and A. Watts. No. 1,119,938; Dec. 8; Gaz. vol. 209; p. 392.
- Clutch and gear-shifter. A. C. Krebs. No. 1,112,810; Oct. 6; Gaz. vol. 207; p. 140.
- Clutch and speed-regulator. G. Rischmuller. No. 1,089,498; Mar. 10; Gaz. vol. 200; p. 331.
- Clutch, Automatic. W. W. Annable. No. 1,114,716; Oct. 27; Gaz. vol. 207; p. 941.
- Clutch, Automobile. C. R. Bryant. No. 1,092,015; Mar. 31; Gaz. vol. 200; p. 1308.
- Clutch, Brake. J. Hlaszitska. No. 1,111,592; Sept. 22; Gaz. vol. 206; p. 1033.
- Clutch, Brake-block. H. Stager. No. 1,100,996; June 23; Gaz. vol. 203; p. 1037.
- Clutch, Centrifugal. S. Deutsch. No. 1,108,345; Aug. 25; Gaz. vol. 205; p. 1105.
- Clutch, Centrifugally-controlled. C. Robey. No. 1,106,242; Aug. 4; Gaz. vol. 205; p. 227.
- Clutch, Combined friction and positive. A. L. Hallbauer. No. 1,098,148; May 26; Gaz. vol. 202; p. 1148.
- Clutch control, Automatic. C. I. J. Richardson and L. Feldman. No. 1,102,226; June 30; Gaz. vol. 203; p. 1518.
- Clutch-controlled machines, Safety device for. A. G. Scherer. No. 1,102,608; July 7; Gaz. vol. 204; p. 136.
- Clutch-controlled machines, Safety device for. A. G. Scherer. No. 1,102,609; July 7; Gaz. vol. 204; p. 136.
- Clutch-controlling mechanism. J. Kiewicz. No. 1,097,863; May 26; Gaz. vol. 202; p. 1048.
- Clutch device. J. C. Calvin. No. 1,103,560; July 14; Gaz. vol. 204; p. 510.
- Clutch device. S. W. Wardwell. No. 1,118,605; Nov. 24; Gaz. vol. 208; p. 1216.
- Clutch device. J. A. Wilkin. No. 1,118,456; Nov. 24; Gaz. vol. 208; p. 1164.
- Clutch device, Friction. I. E. Hindman. No. 1,089,703; Mar. 10; Gaz. vol. 200; p. 401.
- Clutch device, Reversible. E. R. Packer. No. 1,087,316; Feb. 17; Gaz. vol. 199; p. 700.
- Clutch device, Roller. E. R. Packer. No. 1,087,315; Feb. 17; Gaz. vol. 199; p. 699.
- Clutch, Duplex. J. H. Stull. No. 1,111,681; Sept. 22; Gaz. vol. 206; p. 1118.
- Clutch, Fluid. I. E. Barricklow. No. 1,088,514; Feb. 24; Gaz. vol. 199; p. 1158.
- Clutch for paper-spools. W. Sheahan. No. 1,110,651; Sept. 15; Gaz. vol. 206; p. 717.
- Clutch for scarf-pins, hat-pins, and the like. R. Fischer. No. 1,089,755; Mar. 10; Gaz. vol. 200; p. 419.
- Clutch, Friction. D. R. Barry. No. 1,104,400; July 21; Gaz. vol. 204; p. 842.
- Clutch, Friction. M. Beck. No. 1,100,048; June 16; Gaz. vol. 203; p. 655.
- Clutch, Friction. E. Burtress. No. 1,095,808; May 5; Gaz. vol. 202; p. 217.
- Clutch, Friction. W. Dennis. (Reissue.) No. 13,821; Nov. 3; Gaz. vol. 208; p. 304.
- Clutch, Friction. A. H. Gleason. No. 1,117,182; Nov. 17; Gaz. vol. 208; p. 675.
- Clutch, Friction. C. Hansen. No. 1,115,928; Nov. 3; Gaz. vol. 208; p. 157.
- Clutch, Friction. R. O. Hendrickson. No. 1,101,280; June 23; Gaz. vol. 203; p. 1134.
- Clutch, Friction. F. E. Hufford. No. 1,122,933; Dec. 29; Gaz. vol. 209; p. 1561.
- Clutch, Friction. F. R. Jones. No. 1,118,132; Nov. 24; Gaz. vol. 208; p. 1049.
- Clutch, Friction. A. Kingsbury. No. 1,109,232; Sept. 1; Gaz. vol. 206; p. 133.
- Clutch, Friction. J. Marvel. No. 1,091,069; Mar. 24; Gaz. vol. 200; p. 944.
- Clutch, Friction. J. M. Michaelson. No. 1,122,020; Dec. 22; Gaz. vol. 209; p. 1208.
- Clutch, Friction. G. C. Nelson. No. 1,099,509; June 9; Gaz. vol. 203; p. 434.
- Clutch, Friction. H. J. Smith. No. 1,083,301; Jan. 6; Gaz. vol. 198; p. 14.
- Clutch, Friction. G. Stahl. No. 1,085,765; Feb. 3; Gaz. vol. 199; p. 68.
- Clutch, Friction. H. Thomas. No. 1,110,972; Sept. 15; Gaz. vol. 206; p. 829.
- Clutch, Friction. W. C. Tyler and E. Nall. No. 1,096,649; May 12; Gaz. vol. 202; p. 538.
- Clutch, Friction. J. R. Voorhees. No. 1,091,783; Mar. 31; Gaz. vol. 200; p. 1231.
- Clutch, Friction. N. J. Wigginton. No. 1,089,171; Mar. 3; Gaz. vol. 200; p. 173.
- Clutch, Friction. H. Young. No. 1,099,230; June 9; Gaz. vol. 203; p. 338.
- Clutch, Friction-band. S. C. Carter. No. 1,099,636; June 9; Gaz. vol. 203; p. 478.
- Clutch, Hydraulic. C. E. Curtiss. No. 1,104,168; July 21; Gaz. vol. 204; p. 763.
- Clutch, Line. W. Keckeissen and F. J. Reilly. No. 1,122,600; Dec. 29; Gaz. vol. 209; p. 1443.
- Clutch, Liquid. R. F. Herpolzheimer. No. 1,107,944; Aug. 18; Gaz. vol. 205; p. 916.
- Clutch mechanism. H. F. Arnold. No. 1,119,385; Dec. 1; Gaz. vol. 209; p. 168.
- Clutch mechanism. H. A. Ballard. No. 1,117,305; Nov. 17; Gaz. vol. 208; p. 721.
- Clutch mechanism. C. E. Beach. No. 1,103,022; July 14; Gaz. vol. 204; p. 325.
- Clutch mechanism. W. C. Hayford. No. 1,113,624; Oct. 13; Gaz. vol. 207; p. 465.
- Clutch mechanism. R. Huff. No. 1,122,119; Dec. 22; Gaz. vol. 209; p. 1240.
- Clutch mechanism. G. H. Jackson. No. 1,088,425; Feb. 24; Gaz. vol. 199; p. 1130.
- Clutch mechanism. N. L. Jennings. No. 1,122,206; Dec. 22; Gaz. vol. 209; p. 1270.
- Clutch mechanism. J. Lauth. No. 1,091,149; Mar. 24; Gaz. vol. 200; p. 972.
- Clutch mechanism. J. A. McGinnis. No. 1,103,679; July 14; Gaz. vol. 204; p. 556.
- Clutch mechanism. F. E. Ten Eyck. No. 1,120,253; Dec. 8; Gaz. vol. 209; p. 503.
- Clutch mechanism. H. C. H. Walsh. No. 1,099,867; June 9; Gaz. vol. 203; p. 556.
- Clutch mechanism. F. L. Waterous. No. 1,106,605; Aug. 11; Gaz. vol. 205; p. 401.
- Clutch mechanism, Friction. G. L. Brown. No. 1,088,805; Mar. 3; Gaz. vol. 200; p. 44.
- Clutch mechanism, Hydraulic. E. Thomson. No. 1,118,384; Nov. 24; Gaz. vol. 208; p. 1138.
- Clutch, Multiple-cone. J. B. Knickerbocker. No. 1,091,351; Mar. 24; Gaz. vol. 200; p. 1037.
- Clutch-operating means. T. S. Miller. No. 1,121,112; Dec. 15; Gaz. vol. 209; p. 856.
- Clutch-operating mechanism. H. S. Barnwell. No. 1,108,669; Aug. 25; Gaz. vol. 205; p. 1217.
- Clutch-operating mechanism. H. S. Dickinson. No. 1,118,536; Nov. 24; Gaz. vol. 208; p. 1192.
- Clutch-operating mechanism. C. B. Gardner. No. 1,119,270; Dec. 1; Gaz. vol. 209; p. 126.
- Clutch, Overload. B. F. Rindfleisch. No. 1,118,683; Nov. 24; Gaz. vol. 208; p. 1243.
- Clutch-pedal lock. E. D. Clarage. No. 1,102,875; July 7; Gaz. vol. 204; p. 228.
- Clutch, Pin. H. Levin. No. 1,118,025; Nov. 24; Gaz. vol. 208; p. 1012.
- Clutch-release, Automatic. J. H. De Buhr. No. 1,107,915; Aug. 18; Gaz. vol. 205; p. 906.
- Clutch, Switch. J. Kieren. No. 1,109,425; Sept. 1; Gaz. vol. 206; p. 202.
- Clutch-trip-actuating device. A. L. Day. No. 1,103,570; July 14; Gaz. vol. 204; p. 515.
- Clutches, &c., Friction-facing for. A. De Laski. No. 1,122,081; Dec. 22; Gaz. vol. 209; p. 1228.

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- Coach-step and operating mechanism. W. B. Rogers. No. 1,114,915; Oct. 27; Gaz. vol. 207; p. 1013.
- Coal and gas furnace. M. J. Farquhar. No. 1,088,559; Feb. 24; Gaz. vol. 199; p. 1172.
- Coal and similar substances, Means for crushing. R. W. Lyle. No. 1,113,229; Oct. 13; Gaz. vol. 207; p. 327.
- Coal-breaker. M. H. McTurk. No. 1,121,931; Dec. 22; Gaz. vol. 209; p. 1176.
- Coal breaker and cleaner. G. W. Borton and J. L. Hiller. No. 1,086,129; Feb. 3; Gaz. vol. 199; p. 197.
- Coal-conveyer. J. Dodds and W. Brown. No. 1,104,481; July 21; Gaz. vol. 204; p. 871.
- Coal-cutting machine. M. Mysliwicz. No. 1,116,907; Nov. 10; Gaz. vol. 208; p. 541.
- Coal for the separation of slate therefrom, Apparatus for treating soft or bituminous. W. S. Ayres. No. 1,086,502; Feb. 10; Gaz. vol. 199; p. 367.
- Coal from peat, Manufacturing artificial. F. C. C. T. A. Osius. No. 1,105,206; July 28; Gaz. vol. 204; p. 1171.
- Coal, Handling. G. D. Curtis. No. 1,122,577; Dec. 29; Gaz. vol. 209; p. 1435.
- Coal-handling apparatus. F. F. Joseph. No. 1,086,536; Feb. 10; Gaz. vol. 199; p. 379.
- Coal-loading device. T. H. Smith. No. 1,122,546; Dec. 29; Gaz. vol. 209; p. 1425.
- Coal or the like, Treating soft or bituminous. W. S. Ayres. No. 1,086,503; Feb. 10; Gaz. vol. 199; p. 367.
- Coal-picking apparatus. F. H. Emery. No. 1,119,586; Dec. 1; Gaz. vol. 209; p. 237.
- Coal-pocket. G. D. Curtis. No. 1,121,328; Dec. 15; Gaz. vol. 209; p. 929.
- Coal-recording device. A. W. Dodge. No. 1,121,234; Dec. 15; Gaz. vol. 209; p. 896.
- Coal, shale, or the like in vertical retorts, Process and apparatus for the treatment of. A. Waddell. No. 1,103,112; July 14; Gaz. vol. 204; p. 357.
- Coal-shifter. W. L. Marberry. No. 1,117,875; Nov. 17; Gaz. vol. 208; p. 920.
- Coal-shoveling recorder, Locomotive-fireman's. G. G. Weston. No. 1,092,466; Apr. 7; Gaz. vol. 201; p. 119.
- Coal-slimers, Drying. H. Brune and H. Horst. No. 1,100,710; June 23; Gaz. vol. 203; p. 937.
- Coal-tar or its products for the removal of the properties therein tending to induce pitch-cancer, Treatment of. H. W. Robinson. No. 1,114,045; Oct. 20; Gaz. vol. 207; p. 651.
- Coal-washer. H. Cory. No. 1,095,817; May 5; Gaz. vol. 202; p. 220.
- Coal-washer. N. Shannon. No. 1,100,921; June 23; Gaz. vol. 203; p. 1011.
- Coal-washer. S. Stepanian. No. 1,084,909; Jan. 20; Gaz. vol. 198; p. 608.
- Coal-washer and ore-concentrator. A. C. Campbell. No. 1,113,876; Oct. 13; Gaz. vol. 207; p. 555.
- Coal-washing apparatus. E. G. Burks and N. Hayes. No. 1,112,976; Oct. 6; Gaz. vol. 207; p. 197.
- Coal-washing jig. F. L. Boone. No. 1,091,797; Mar. 31; Gaz. vol. 200; p. 1235.
- Coal-washing machine. W. W. Cooper. No. 1,121,715; Dec. 22; Gaz. vol. 209; p. 1100.
- Coals and other hydrocarbonaceous substances, Apparatus for treating. J. D. Scott. No. 1,115,453; Oct. 27; Gaz. vol. 207; p. 1199.
- Coals and other hydrocarbonaceous substances, Treating. J. D. Scott. No. 1,115,454; Oct. 27; Gaz. vol. 207; p. 1200.
- Coaling device. O. Bauerle. No. 1,090,012; Mar. 10; Gaz. vol. 200; p. 507.
- Coaling device. D. Hilleman, Jr. No. 1,097,434; May 19; Gaz. vol. 202; p. 854.
- Coaptating-pad. J. F. Rowley. No. 1,099,938; June 16; Gaz. vol. 203; p. 618.
- Coaster-brake. J. D. and J. R. Baughman. No. 1,099,901; June 9; Gaz. vol. 203; p. 569.
- Coaster-brake. W. T. Carter. No. 1,118,889; Nov. 24; Gaz. vol. 208; p. 1311.
- Coaster-brake. W. S. Gubelman. No. 1,102,402; July 7; Gaz. vol. 204; p. 63.
- Coaster-brake. G. P. Moore. No. 1,113,367; Oct. 13; Gaz. vol. 207; p. 376.
- Coaster-brake. S. Smith. No. 1,104,453; July 21; Gaz. vol. 204; p. 861.
- Coaster-brake. G. W. Van Deren. No. 1,100,930; June 23; Gaz. vol. 203; p. 1015.
- Coaster-brake. H. S. Walker. No. 1,089,997; Mar. 10; Gaz. vol. 200; p. 501.
- Coaster hub-brake. C. W. Svenson. (Reissue.) No. 1,137,833; July 28; Gaz. vol. 204; p. 1313.
- Coaster, Rolling. M. O. Sherer. No. 1,101,761; June 30; Gaz. vol. 203; p. 1350.
- Coaster, Surf-. A. N. Nelsen. No. 1,104,441; July 21; Gaz. vol. 204; p. 856.
- Coaster, Switchback. S. D'Agostino. No. 1,097,615; May 26; Gaz. vol. 202; p. 959.
- Coat. J. Bloch. No. 1,112,254; Sept. 29; Gaz. vol. 206; p. 1353.
- Coat. A. B. Reisman. No. 1,090,409; Mar. 17; Gaz. vol. 200; p. 687.
- Coat and hat protector. E. Gargon. No. 1,105,504; July 28; Gaz. vol. 204; p. 1278.
- Coat-front stiffener. M. Greenstein. No. 1,120,612; Dec. 8; Gaz. vol. 209; p. 631.
- Coat-hanger. C. T. Darling. No. 1,105,067; July 28; Gaz. vol. 204; p. 1123.
- Coat-hanger. S. C. Rubin. No. 1,088,841; Mar. 3; Gaz. vol. 200; p. 57.
- Coat-hanger. J. L. Sommer. No. 1,097,889; May 26; Gaz. vol. 202; p. 1058.
- Coat-shapes, Pattern for adjusting. E. Schlosberg. No. 1,097,822; May 26; Gaz. vol. 202; p. 1034.
- Coats, hats, and umbrellas, Locking device for. B. P. Burns. No. 1,116,989; Nov. 10; Gaz. vol. 208; p. 569.
- Coated article. P. McIlroy. No. 1,096,936; May 12; Gaz. vol. 202; p. 534.
- Coating a metallic body. G. Cooper. No. 1,121,169; Dec. 15; Gaz. vol. 209; p. 875.
- Coating and impregnating materials, Manufacture of. C. Roth. No. 1,095,988; May 5; Gaz. vol. 202; p. 277.
- Coating apparatus. B. Gallagher. No. 1,109,572; Sept. 1; Gaz. vol. 206; p. 249.
- Coating apparatus, Article-. L. W. Farmer. No. 1,117,174; Nov. 17; Gaz. vol. 208; p. 672.
- Coating, Article with protective. S. H. Fleming. No. 1,098,794; June 2; Gaz. vol. 203; p. 148.
- Coating composition. L. H. Reuter. No. 1,107,356; Aug. 18; Gaz. vol. 205; p. 710.
- Coating composition, Protective. L. H. Baekeland. No. 1,085,100; Jan. 27; Gaz. vol. 198; p. 709.
- Coating devices, Article-holder for liquid-. R. A. Beausejour. No. 1,106,915; Aug. 11; Gaz. vol. 205; p. 509.
- Coating flexible objects of organic origin with metal. R. Rafn. No. 1,118,878; Nov. 24; Gaz. vol. 208; p. 1308.
- Coating flexible objects of organic origin with metal. R. Rafn and G. E. Schmidmer. No. 1,099,934; June 16; Gaz. vol. 203; p. 616.
- Coating for metallic members, Protective. W. L. Church. No. 1,104,346; July 21; Gaz. vol. 204; p. 825.
- Coating-machine. F. W. Burpee. No. 1,099,840; June 9; Gaz. vol. 203; p. 545.
- Coating-machine. W. G. Cross. No. 1,117,341; Nov. 17; Gaz. vol. 208; p. 734.
- Coating-machine. J. J. Gillespie. No. 1,119,820; Dec. 8; Gaz. vol. 209; p. 352.
- Coating-machine. C. M. Green. No. 1,115,426; Oct. 27; Gaz. vol. 207; p. 1191.
- Coating-machine. A. S. O'Neil. No. 1,090,336; Mar. 17; Gaz. vol. 200; p. 660.
- Coating machine, Sheet-. E. M. Hawkins. No. 1,109,331; Sept. 1; Gaz. vol. 206; p. 169.
- Coating machines, Article-holder for liquid-. R. A. Beausejour. No. 1,109,314; Sept. 1; Gaz. vol. 206; p. 162.
- Coating objects with subdivided material. F. F. Bradley. No. 1,088,874; Mar. 3; Gaz. vol. 200; p. 69.
- Coating objects with subdivided material, Apparatus for. F. F. Bradley. No. 1,104,471; July 21; Gaz. vol. 204; p. 867.
- Coating process. E. Bloch. No. 1,110,741; Sept. 15; Gaz. vol. 206; p. 749.
- Coating process. J. W. Frank. No. 1,110,765; Sept. 15; Gaz. vol. 206; p. 757.
- Coating tubes and the like, Machine for. C. Vallone and J. H. Illig. No. 1,103,713; July 14; Gaz. vol. 204; p. 567.
- Coatings, Composition for removing. J. M. Humphreys. No. 1,102,052; June 30; Gaz. vol. 203; p. 1456.
- Cocaine isovalerianate. M. Overlach and M. Körner. No. 1,120,233; Dec. 8; Gaz. vol. 209; p. 497.
- Cock, alarm, &c., Combination gage-. W. I. Staaf. No. 1,084,497; Jan. 13; Gaz. vol. 198; p. 437.
- Cock and receptacle-actuated opening means therefor, Self-closing. P. Mueller and A. C. Schuermann. No. 1,095,984; May 5; Gaz. vol. 202; p. 275.
- Cock and valve, Water and steam. W. Green. No. 1,119,948; Dec. 8; Gaz. vol. 209; p. 396.
- Cock, Automatic gas-. R. M. G. Phillips. No. 1,113,685; Oct. 13; Gaz. vol. 207; p. 486.
- Cock, Ball-. B. R. Hull. No. 1,122,758; Dec. 29; Gaz. vol. 209; p. 1499.
- Cock, Ball-. W. Hyde and J. Schwarzler. No. 1,090,717; Mar. 17; Gaz. vol. 200; p. 790.
- Cock, Ball-. S. A. Scott. No. 1,097,476; May 19; Gaz. vol. 202; p. 869.
- Cock, Basin-. E. A. Gehrke. No. 1,105,072; July 28; Gaz. vol. 204; p. 1125.
- Cock, Beer-. H. J. Morris. No. 1,099,713; June 9; Gaz. vol. 203; p. 505.
- Cock, Compression stop and waste. G. H. Aughenbaugh. No. 1,099,418; June 9; Gaz. vol. 203; p. 404.
- Cock, Electric shut-off. M. H. Tracy. No. 1,085,646; Feb. 3; Gaz. vol. 199; p. 23.
- Cock for flush-tanks, Ball-. E. A. Gehrke. No. 1,096,237; May 12; Gaz. vol. 202; p. 398.
- Cock for flush-tanks, Ball-. E. A. Gehrke. No. 1,110,436; Sept. 15; Gaz. vol. 206; p. 641.
- Cock for flush-tanks of water-closets, Ball-. K. S. Blanchard. No. 1,114,575; Oct. 20; Gaz. vol. 207; p. 841.
- Cock for gas-meters, Lockable. E. A. C. Schoof. No. 1,111,618; Sept. 22; Gaz. vol. 206; p. 1095.
- Cock for use on steam-boilers, Gage-. S. J. Mouromoff. No. 1,106,105; Aug. 4; Gaz. vol. 205; p. 183.

Alphabetical list of inventions—Continued.

- Cock, Gage-. W. Beach. No. 1,086,637; Feb. 10; Gaz. vol. 199; p. 415.
- Cock, Gage-. H. N. Evans, Sr. No. 1,090,203; Mar. 17; Gaz. vol. 200; p. 614.
- Cock, Gage-. C. A. Walker. No. 1,113,267; Oct. 13; Gaz. vol. 207; p. 341.
- Cock, Gage-. M. Wright. No. 1,111,632; Sept. 22; Gaz. vol. 206; p. 1100.
- Cock, Gas-. F. R. Parker. No. 1,121,282; Dec. 15; Gaz. vol. 209; p. 912.
- Cock, High-pressure plug-. T. B. Dornin. No. 1,099,592; June 9; Gaz. vol. 203; p. 463.
- Cock holder, Angle-. E. Posson. No. 1,083,337; Jan. 6; Gaz. vol. 198; p. 26.
- Cock holder, Angle-. H. Vissering. No. 1,119,904; Dec. 8; Gaz. vol. 209; p. 381.
- Cock, Interchangeable self-closing and compression. A. Mueller. No. 1,087,543; Feb. 17; Gaz. vol. 199; p. 780.
- Cock-operating device, Gas-. B. Jenkins. No. 1,097,441; May 19; Gaz. vol. 202; p. 856.
- Cock or faucet. A. C. Schuermann. No. 1,107,452; Aug. 18; Gaz. vol. 205; p. 746.
- Cock or faucet, Self-closing. A. C. Schuermann. No. 1,107,453; Aug. 18; Gaz. vol. 205; p. 746.
- Cock or valve. C. H. Reynolds. No. 1,086,221; Feb. 3; Gaz. vol. 199; p. 226.
- Cock, Receptacle-actuated. P. Mueller and A. Schuermann. No. 1,110,958; Sept. 15; Gaz. vol. 206; p. 825.
- Cock, Safety-. J. Winkler. No. 1,089,098; Mar. 3; Gaz. vol. 200; p. 145.
- Cock, Separable drain-. W. S. Krause. No. 1,100,136; June 16; Gaz. vol. 203; p. 687.
- Cock, Signal-. B. J. Graham. No. 1,088,817; Mar. 3; Gaz. vol. 200; p. 48.
- Cock, Stop-. E. Gray. No. 1,121,825; Dec. 22; Gaz. vol. 209; p. 1138.
- Cock, Stap and waste. F. Tibble. No. 1,092,310; Apr. 7; Gaz. vol. 201; p. 65.
- Cock, Test or priming. B. Morgan. No. 1,085,990; Feb. 3; Gaz. vol. 199; p. 147.
- Cock, Water-. S. Resek. No. 1,087,257; Feb. 17; Gaz. vol. 199; p. 680.
- Cocks, Shut-off for gage-. F. and F. A. Chenette. No. 1,106,494; Aug. 11; Gaz. vol. 205; p. 361.
- Cocoa and chocolate substances, Roasting. F. E. F. Neumann. No. 1,117,594; Nov. 17; Gaz. vol. 208; p. 820.
- Cocoa and other pulpy berries, Machine for removing pulp from. J. M. Urgellés. No. 1,110,167; Sept. 8; Gaz. vol. 206; p. 507.
- Cocoa-powder, Machine for cooling finished or unfinished. M. O. Busch. No. 1,107,028; Aug. 11; Gaz. vol. 205; p. 545.
- Code-forming device. C. G. Burke. No. 1,086,586; Feb. 10; Gaz. vol. 199; p. 398.
- Code messages, Machine for forming. E. H. Hebern. No. 1,084,010; Jan. 13; Gaz. vol. 198; p. 278.
- Code messages, Means for interpreting. E. H. Hebern. No. 1,096,168; May 12; Gaz. vol. 202; p. 374.
- Code recorder, Dot-and-dash-. T. Melville. No. 1,088,161; Feb. 24; Gaz. vol. 199; p. 1041.
- Coffee and tea mixer. W. G. Templeton. No. 1,102,305; July 7; Gaz. vol. 204; p. 29.
- Coffee, Composition to be used as a beverage and as a substitute for. J. T. Malcolm. No. 1,119,849; Dec. 8; Gaz. vol. 209; p. 361.
- Coffee-dripper. G. Brown. No. 1,083,900; Jan. 6; Gaz. vol. 198; p. 207.
- Coffee-granulating mill. R. Burns. No. 1,089,818; Mar. 10; Gaz. vol. 200; p. 440.
- Coffee-grinder. W. F. Stimpson. No. 1,086,868; Feb. 10; Gaz. vol. 199; p. 497.
- Coffee-machine. C. Nelson. No. 1,096,455; May 12; Gaz. vol. 202; p. 473.
- Coffee-machine. C. Nelson. No. 1,111,029; Sept. 22; Gaz. vol. 206; p. 892.
- Coffee-machine. C. Nelson. No. 1,111,083; Sept. 22; Gaz. vol. 206; p. 912.
- Coffee-machine. C. Nelson. No. 1,111,270; Sept. 22; Gaz. vol. 206; p. 976.
- Coffee-machine. C. Nelson. No. 1,122,298; Dec. 29; Gaz. vol. 209; p. 1341.
- Coffee-parcher. D. McCall. No. 1,096,179; May 12; Gaz. vol. 202; p. 377.
- Coffee-percolator. W. S. Jessup. No. 1,092,575; Apr. 7; Gaz. vol. 201; p. 155.
- Coffee, &c., pot. H. Galt. No. 1,097,710; May 26; Gaz. vol. 202; p. 994.
- Coffee, &c., pot. H. Galt. No. 1,097,711; May 26; Gaz. vol. 202; p. 994.
- Coffee-pot. J. E. Johnson. No. 1,092,772; Apr. 7; Gaz. vol. 201; p. 222.
- Coffee-pot. E. F. Siebert. No. 1,115,872; Nov. 3; Gaz. vol. 208; p. 138.
- Coffee-pot handle. L. Wojdkow. No. 1,090,808; Mar. 17; Gaz. vol. 200; p. 821.
- Coffee-pot, Percolating. W. H. Cook. No. 1,112,598; Oct. 6; Gaz. vol. 207; p. 67.
- Coffee-pot, Percolating. I. Geffer. No. 1,109,918; Sept. 8; Gaz. vol. 206; p. 417.
- Coffee-pots and similar vessels, Drop-catcher for. G. A. and L. A. Schlingmann. No. 1,088,102; Feb. 24; Gaz. vol. 199; p. 1021.
- Coffee, Removing chaff from. M. H. Gasser. No. 1,092,831; Apr. 14; Gaz. vol. 201; p. 278.
- Coffee-roaster. G. Chauvin. No. 1,088,537; Feb. 24; Gaz. vol. 199; p. 1166.
- Coffee-roaster. E. T. Shortt. No. 1,122,651; Dec. 29; Gaz. vol. 209; p. 1462.
- Coffee substitute, Producing a. B. Huber. No. 1,103,207; July 14; Gaz. vol. 204; p. 392.
- Coffin. S. Zerański. No. 1,102,626; July 7; Gaz. vol. 204; p. 143.
- Coffin-fastener. G. Gough. No. 1,102,335; July 7; Gaz. vol. 204; p. 40.
- Coffin-lowering device. H. H. and E. B. Rardon. No. 1,084,961; Jan. 20; Gaz. vol. 198; p. 626.
- Coffin-panel, Disappearing. A. Fisher. No. 1,099,436; June 9; Gaz. vol. 203; p. 410.
- Coherer. C. A. Glass. No. 1,118,410; Nov. 24; Gaz. vol. 208; p. 1147.
- Coherer discharge indicator. E. E. F. Creighton. No. 1,115,174; Oct. 27; Gaz. vol. 207; p. 1105.
- Coin-cases and cables, Connection for. J. Cunningham and W. H. Horner. No. 1,103,130; July 14; Gaz. vol. 204; p. 364.
- Coin-support. B. A. Behrend. No. 1,122,187; Dec. 22; Gaz. vol. 209; p. 1263.
- Coin-support. A. J. Brown and R. B. Williamson. No. 1,123,085; Dec. 29; Gaz. vol. 209; p. 1615.
- Coin-support. L. Rapp. No. 1,119,988; Dec. 8; Gaz. vol. 209; p. 410.
- Coils, Case for loading. F. B. Jewett and T. Shaw. No. 1,100,018; June 16; Gaz. vol. 203; p. 645.
- Coiling apparatus. E. Fargo. No. 1,099,543; June 9; Gaz. vol. 203; p. 446.
- Coiling apparatus. W. B. Hewitt. No. 1,103,201; July 14; Gaz. vol. 204; p. 391.
- Coiling-machine. A. McMurtrie. No. 1,117,684; Nov. 17; Gaz. vol. 208; p. 854.
- Coiling-machine. A. McMurtrie. No. 1,117,685; Nov. 17; Gaz. vol. 208; p. 855.
- Coiling-machine. A. McMurtrie. No. 1,117,687; Nov. 17; Gaz. vol. 208; p. 855.
- Coiling-machines, Wire-feeding device for. W. S. Foster. No. 1,093,390; Apr. 14; Gaz. vol. 201; p. 470.
- Coin and ticket apparatus. S. P. Pledger. No. 1,092,124; Mar. 31; Gaz. vol. 200; p. 1346.
- Coin assorter and counter for street-cars and other purposes. J. M. Johnson. No. 1,096,171; May 12; Gaz. vol. 202; p. 375.
- Coin assorting and counting machine. J. J. Farrell. No. 1,095,981; May 5; Gaz. vol. 202; p. 273.
- Coin-changing machine. W. E. Mathews and E. I. Orem. No. 1,101,206; June 23; Gaz. vol. 203; p. 1110.
- Coin-chute. G. A. Long. No. 1,087,307; Feb. 17; Gaz. vol. 199; p. 697.
- Coin-collector. O. F. Forsberg. No. 1,096,500; May 12; Gaz. vol. 202; p. 488.
- Coin-collector. J. J. Lyng. No. 1,098,673; June 2; Gaz. vol. 203; p. 107.
- Coin-collector cash-receptacle. O. F. Forsberg. No. 1,104,042; July 21; Gaz. vol. 204; p. 720.
- Coin-controlled apparatus. W. I. Ravert. No. 1,095,418; May 5; Gaz. vol. 202; p. 83.
- Coin-controlled device. P. Merkle. No. 1,109,690; Sept. 8; Gaz. vol. 206; p. 336.
- Coin-controlled lock. C. J. Bennett. No. 1,096,671; May 12; Gaz. vol. 202; p. 544.
- Coin-controlled lock. E. E. Dougherty and U. W. Baston. No. 1,105,498; July 28; Gaz. vol. 204; p. 1276.
- Coin-controlled lock. O. A. Dozier. No. 1,117,811; Nov. 17; Gaz. vol. 208; p. 899.
- Coin-controlled lock. W. S. Farnsworth. No. 1,093,175; Apr. 14; Gaz. vol. 201; p. 396.
- Coin-controlled lock. W. S. Farnsworth. No. 1,120,294; Dec. 8; Gaz. vol. 209; p. 518.
- Coin-controlled lock. C. G. Lehmann. No. 1,105,980; Aug. 4; Gaz. vol. 205; p. 137.
- Coin-controlled lock. A. A. Wyckoff. No. 1,110,664; Sept. 15; Gaz. vol. 206; p. 723.
- Coin-controlled locking mechanism. F. J. Rowse. No. 1,119,879; Dec. 8; Gaz. vol. 209; p. 372.
- Coin-controlled mechanism. H. L. Haight. No. 1,115,528; Nov. 3; Gaz. vol. 208; p. 21.
- Coin-controlled mechanism. W. Millard. No. 1,101,653; June 30; Gaz. vol. 203; p. 1314.
- Coin-controlled mechanism. P. W. Schroeder. No. 1,084,563; Jan. 13; Gaz. vol. 198; p. 462.
- Coin-controlled mechanism. G. F. W. Schultze. No. 1,090,945; Mar. 24; Gaz. vol. 200; p. 900.
- Coin-controlled mechanism. P. T. Stankard. No. 1,122,655; Dec. 29; Gaz. vol. 209; p. 1463.
- Coin-controlled mechanism. T. Stocker. No. 1,099,322; June 9; Gaz. vol. 203; p. 370.
- Coin-controlled mechanism. R. Watson. No. 1,084,305; Jan. 13; Gaz. vol. 198; p. 378.
- Coin-counter. P. G. Jacobson. No. 1,118,651; Nov. 24; Gaz. vol. 208; p. 1231.
- Coin-counter. P. G. Jacobson. No. 1,118,652; Nov. 24; Gaz. vol. 208; p. 1232.

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- Coin-counter. G. H. Kinberg. No. 1,122,606; Dec. 29; Gaz. vol. 209; p. 1446.
- Coin-counting apparatus. F. Pröckl. No. 1,085,483; Jan. 27; Gaz. vol. 198; p. 840.
- Coin-counting device. W. S. Farnsworth. No. 1,096,419; May 12; Gaz. vol. 202; p. 460.
- Coin-counting mechanism. J. M. Johnson. No. 1,096,172; May 12; Gaz. vol. 202; p. 375.
- Coin-delivering machine. T. Bilyeu. No. 1,114,574; Oct. 20; Gaz. vol. 207; p. 840.
- Coin-delivering machine. B. C. Hoefler. No. 1,093,052; Apr. 14; Gaz. vol. 201; p. 352.
- Coin-delivering machine. B. C. Hoefler. No. 1,105,516; July 28; Gaz. vol. 204; p. 1282.
- Coin-delivering machine. B. C. Hoefler. No. 1,105,517; July 28; Gaz. vol. 204; p. 1282.
- Coin-delivery machine. E. J. Brandt. No. 1,099,687; June 9; Gaz. vol. 203; p. 496.
- Coin-delivery machine. E. J. Brandt. No. 1,099,688; June 9; Gaz. vol. 203; p. 497.
- Coin-delivery machine. R. and J. W. Cairns. No. 1,104,405; July 21; Gaz. vol. 204; p. 845.
- Coin-delivering machine. C. Menchen and F. Correll. No. 1,099,661; June 9; Gaz. vol. 203; p. 486.
- Coin. Device for facilitating the handling of. S. B. Colby. No. 1,089,328; Mar. 3; Gaz. vol. 200; p. 222.
- Coin-handling apparatus. S. P. Huntington. No. 1,110,263; Sept. 8; Gaz. vol. 206; p. 540.
- Coin-handling device. E. G. Kastner and J. E. Benton. No. 1,111,389; Sept. 22; Gaz. vol. 206; p. 1016.
- Coin-handling machine. L. A. Casgrain and R. L. Whitman. No. 1,099,235; June 9; Gaz. vol. 203; p. 340.
- Coin-handling machine. L. A. Casgrain and R. L. Whitman. No. 1,118,472; Nov. 24; Gaz. vol. 208; p. 1170.
- Coin-holder. H. D. Hough. No. 1,119,511; Dec. 1; Gaz. vol. 209; p. 211.
- Coin-holder. J. T. Todd. No. 1,112,040; Sept. 29; Gaz. vol. 206; p. 1277.
- Coin-holder. S. Van Ness. No. 1,114,826; Oct. 27; Gaz. vol. 207; p. 981.
- Coin-holder. J. C. Waugh. No. 1,113,920; Oct. 13; Gaz. vol. 207; p. 569.
- Coin-holder for satchels. F. M. White. No. 1,108,292; Aug. 25; Gaz. vol. 205; p. 1088.
- Coin-issuing apparatus. F. Wever. No. 1,115,882; Nov. 3; Gaz. vol. 208; p. 141.
- Coin or check controlled apparatus. W. B. Wheeler. No. 1,093,511; Apr. 14; Gaz. vol. 201; p. 506.
- Coin-packaging device. J. E. Doldt. No. 1,085,673; Feb. 3; Gaz. vol. 199; p. 33.
- Coin-packaging holder. C. S. Batdorf. No. 1,084,569; Jan. 13; Gaz. vol. 198; p. 464.
- Coin-receptacle. W. O. Beck. No. 1,121,063; Dec. 15; Gaz. vol. 209; p. 837.
- Coin-receptacle. J. B. Grimes. No. 1,110,771; Sept. 15; Gaz. vol. 206; p. 759.
- Coin-repository closure. B. vom Eigen. No. 1,108,349; Aug. 25; Gaz. vol. 205; p. 1107.
- Coin-repository or bank. B. vom Eigen. No. 1,086,148; Feb. 3; Gaz. vol. 199; p. 203.
- Coin sorting and computing machine. C. S. Batdorf. No. 1,103,124; July 14; Gaz. vol. 204; p. 362.
- Coin-tester. W. Paciorkiewicz. No. 1,093,647; Apr. 21; Gaz. vol. 201; p. 595.
- Coin-testing device for coin-controlled machines. A. D. Grover and E. E. Barber. No. 1,103,197; July 14; Gaz. vol. 204; p. 389.
- Coin-tray. T. I. Potter. No. 1,120,081; Dec. 8; Gaz. vol. 209; p. 442.
- Coin-tube. E. Zander. No. 1,110,174; Sept. 8; Gaz. vol. 206; p. 510.
- Coke-oven. S. A. Hoge. No. 1,099,703; June 9; Gaz. vol. 203; p. 502.
- Coke-oven. F. W. Sperr, Jr. No. 1,097,196; May 19; Gaz. vol. 202; p. 771.
- Coke-oven door. H. Bareuter. No. 1,093,522; Apr. 14; Gaz. vol. 201; p. 510.
- Coke-oven door. J. A. McCreary. No. 1,121,385; Dec. 15; Gaz. vol. 209; p. 949.
- Coke oven. Horizontal. C. Still. No. 1,098,188; May 26; Gaz. vol. 202; p. 1162.
- Coke-oven or gas-furnace. W. Feicks. No. 1,098,374; June 2; Gaz. vol. 203; p. 6.
- Coke-ovens. Closure for retort. H. Koppers. No. 1,099,256; June 9; Gaz. vol. 203; p. 347.
- Coke-ovens. Method of and means for working. H. Koppers. No. 1,105,522; July 28; Gaz. vol. 204; p. 1284.
- Coke-ovens. Tubular recuperator for retort. C. H. Hughes. No. 1,120,146; Dec. 8; Gaz. vol. 209; p. 465.
- Coke-ovens. Tubular recuperator for retort. C. H. Hughes. No. 1,120,147; Dec. 8; Gaz. vol. 209; p. 465.
- Coke. Production of. L. Franck. No. 1,098,359; May 26; Gaz. vol. 202; p. 1222.
- Coke-quenching apparatus. H. Koppers. No. 1,121,376; Dec. 15; Gaz. vol. 209; p. 945.
- Coking. L. L. Summers. No. 1,114,065; Oct. 20; Gaz. vol. 207; p. 659.
- Coking-chambers. Device for emptying upright. A. Gohmann. No. 1,095,725; May 5; Gaz. vol. 202; p. 188.
- Colander. S. E. De Crevecoeur. No. 1,105,409; July 28; Gaz. vol. 204; p. 1245.
- Colander-holder. J. Weh. No. 1,112,744; Oct. 6; Gaz. vol. 207; p. 118.
- Collapsible box. S. Finkelstein. No. 1,101,019; June 23; Gaz. vol. 203; p. 1046.
- Collapsible box. G. L. Morrison and A. A. Fordon. No. 1,090,558; Mar. 17; Gaz. vol. 200; p. 739.
- Collapsible box. E. C. Schwab. No. 1,102,445; July 7; Gaz. vol. 204; p. 78.
- Collapsible box. A. H. Wilson. No. 1,113,922; Oct. 13; Gaz. vol. 207; p. 570.
- Collapsible box. A. Wollitzer. No. 1,086,007; Feb. 3; Gaz. vol. 199; p. 153.
- Collapsible box, Reinforced. J. W. Weiss. No. 1,108,289; Aug. 25; Gaz. vol. 205; p. 1087.
- Collapsible box, Telescopically. A. L. Steiner. No. 1,119,467; Dec. 1; Gaz. vol. 209; p. 195.
- Collapsible case, Metal. W. H. Bonneville. No. 1,111,054; Sept. 22; Gaz. vol. 206; p. 902.
- Collapsible chair. J. Zagar. No. 1,098,072; May 26; Gaz. vol. 202; p. 1124.
- Collapsible chair. J. Zagar. (Reissue.) No. 13,839; Dec. 1; Gaz. vol. 209; p. 309.
- Collapsible frame for floating structures. J. Keiler. No. 1,108,076; Aug. 18; Gaz. vol. 205; p. 964.
- Collapsible gate. A. A. Whitlock. No. 1,086,108; Feb. 3; Gaz. vol. 199; p. 191.
- Collapsible mold. J. W. Chambers. No. 1,113,753; Oct. 13; Gaz. vol. 207; p. 511.
- Collapsible or knockdown box. J. W. Weiss. No. 1,119,208; Dec. 1; Gaz. vol. 209; p. 107.
- Collapsible pan. B. G. Nelson and G. A. Kellogg. No. 1,095,914; May 5; Gaz. vol. 202; p. 251.
- Collapsible rack. L. F. B. Arnold. No. 1,109,953; Sept. 8; Gaz. vol. 206; p. 429.
- Collapsible screen and rack. L. Donovan. No. 1,093,119; Apr. 14; Gaz. vol. 201; p. 377.
- Collapsible tube. K. D. Bryson. No. 1,092,691; Apr. 7; Gaz. vol. 201; p. 195.
- Collapsible tube. J. B. Davis. No. 1,122,868; Dec. 29; Gaz. vol. 209; p. 1539.
- Collapsible tube. J. W. Johnson. No. 1,100,433; June 16; Gaz. vol. 203; p. 790.
- Collapsible tube, Reinforced. L. Clark. No. 1,109,110; Sept. 1; Gaz. vol. 206; p. 90.
- Collar. A. A. Bamford. No. 1,115,377; Oct. 27; Gaz. vol. 207; p. 1174.
- Collar. C. W. T. Davies. No. 1,088,808; Mar. 3; Gaz. vol. 200; p. 45.
- Collar. J. K. P. Pine. No. 1,101,091; June 23; Gaz. vol. 203; p. 1071.
- Collar. E. J. Quigley. No. 1,091,017; Mar. 24; Gaz. vol. 200; p. 926.
- Collar. R. M. Rodden. No. 1,102,440; July 7; Gaz. vol. 204; p. 77.
- Collar. R. M. Rodden. No. 1,107,359; Aug. 18; Gaz. vol. 205; p. 711.
- Collar. R. M. Rodden. No. 1,116,488; Nov. 10; Gaz. vol. 208; p. 390.
- Collar. A. R. Schoreck. No. 1,099,269; June 9; Gaz. vol. 203; p. 351.
- Collar. M. B. Seligman. No. 1,096,645; May 12; Gaz. vol. 202; p. 537.
- Collar. A. E. Willmot. No. 1,108,296; Aug. 25; Gaz. vol. 205; p. 1090.
- Collar and hood, Combined. F. Skliba. No. 1,117,456; Nov. 17; Gaz. vol. 208; p. 773.
- Collar and sweat-pad, Horse. W. F. Costello. No. 1,111,218; Sept. 22; Gaz. vol. 206; p. 958.
- Collar and tie form. E. D. Houston. No. 1,098,800; June 2; Gaz. vol. 203; p. 150.
- Collar, Apparel. H. E. Shumway. No. 1,088,631; Feb. 24; Gaz. vol. 199; p. 1196.
- Collar attachment. E. Belmont and W. Russell. No. 1,083,981; Jan. 13; Gaz. vol. 198; p. 268.
- Collar attachment. L. L. Hammitt. No. 1,118,003; Nov. 24; Gaz. vol. 208; p. 1004.
- Collar attachment, Horse. R. B. Jordan. No. 1,085,687; Feb. 3; Gaz. vol. 199; p. 38.
- Collar attachment, Scarf-holding. T. S. Hamilton. No. 1,103,508; July 14; Gaz. vol. 204; p. 491.
- Collar-band for shirts. J. J. Bodek. No. 1,101,991; June 30; Gaz. vol. 203; p. 1433.
- Collar box or bag. F. F. Knothe. No. 1,087,955; Feb. 24; Gaz. vol. 199; p. 969.
- Collar, Breast. J. H. Saxe. No. 1,099,823; June 9; Gaz. vol. 203; p. 540.
- Collar, cuff, and like blank folding machine. E. B. Fenby. No. 1,099,594; June 9; Gaz. vol. 203; p. 464.
- Collar, cuff, and like folding machine. E. B. Fenby. No. 1,099,593; June 9; Gaz. vol. 203; p. 463.
- Collar-fastener. M. Arita. No. 1,097,504; May 19; Gaz. vol. 202; p. 878.
- Collar-fastener. F. L. Holly. No. 1,092,049; Mar. 31; Gaz. vol. 200; p. 1319.
- Collar-fastener. T. O'Connell. No. 1,119,447; Dec. 1; Gaz. vol. 209; p. 188.
- Collar-fastener. M. L. Rich. No. 1,099,936; June 16; Gaz. vol. 203; p. 617.
- Collar-fastener. A. Scheible. No. 1,107,709; Aug. 18; Gaz. vol. 205; p. 837.

Alphabetical list of inventions—Continued.

- Collar fastener and support. M. H. Jayne. No. 1,099,750; June 9; Gaz. vol. 203; p. 517.
- Collar fastener, Horse-. N. M. Bartlett. No. 1,099,836; June 9; Gaz. vol. 203; p. 544.
- Collar-fastening clip. E. B. Hafertepen. No. 1,091,508; Mar. 31; Gaz. vol. 200; p. 1135.
- Collar-fastening device. F. A. Glasgow. No. 1,086,451; Feb. 10; Gaz. vol. 199; p. 350.
- Collar, Fold-. J. McKay. No. 1,101,753; June 30; Gaz. vol. 203; p. 1348.
- Collar for blouses, Detachable and reversible. W. Freedman. No. 1,113,977; Oct. 20; Gaz. vol. 207; p. 628.
- Collar for neckwear. F. W. Parsons. No. 1,102,431; July 7; Gaz. vol. 204; p. 74.
- Collar for sweaters. H. Starr. No. 1,087,614; Feb. 17; Gaz. vol. 199; p. 804.
- Collar-former. E. Lichtenstein and C. Vita. No. 1,117,202; Nov. 17; Gaz. vol. 208; p. 684.
- Collar-hook. W. A. Hayden. No. 1,085,735; Feb. 3; Gaz. vol. 199; p. 56.
- Collar, Horse-. C. Eberle and J. F. Schoellkopf. No. 1,087,934; Feb. 24; Gaz. vol. 199; p. 961.
- Collar, Horse-. J. G. Friberg. No. 1,102,900; July 7; Gaz. vol. 204; p. 235.
- Collar, Horse-. H. C. Guttridge. No. 1,085,253; Jan. 27; Gaz. vol. 198; p. 763.
- Collar, Horse-. J. P. Hoffmann. No. 1,092,120; Mar. 31; Gaz. vol. 200; p. 1345.
- Collar, Horse-. R. G. Lilley. No. 1,103,973; July 21; Gaz. vol. 204; p. 697.
- Collar, Horse-. J. C. Nichols. No. 1,116,104; Nov. 3; Gaz. vol. 208; p. 219.
- Collar, Horse-. H. D. Pate. No. 1,107,993; Aug. 18; Gaz. vol. 205; p. 934.
- Collar, Horse-. J. A. Prater. No. 1,089,263; Mar. 3; Gaz. vol. 200; p. 201.
- Collar, Horse-. J. F. Schoellkopf. No. 1,085,170; Jan. 27; Gaz. vol. 198; p. 733.
- Collar, Horse-. A. N. Stair. No. 1,100,788; June 23; Gaz. vol. 203; p. 964.
- Collar-molding machine. T. W. Llewellyn and J. J. Doyle. No. 1,117,410; Nov. 17; Gaz. vol. 208; p. 757.
- Collar-pad. E. P. Wright. No. 1,105,169; July 28; Gaz. vol. 204; p. 1157.
- Collar pad, Horse-. D. L. Williams. No. 1,108,049; Aug. 18; Gaz. vol. 205; p. 955.
- Collar-pin. F. L. Connable. No. 1,091,913; Mar. 31; Gaz. vol. 200; p. 1276.
- Collar-protector. H. J. Roth. No. 1,084,037; Jan. 13; Gaz. vol. 198; p. 288.
- Collar, Shirt-. M. H. Rosen and J. Herman. No. 1,101,334; June 23; Gaz. vol. 203; p. 1153.
- Collar, Soft fold-. J. Robinson. No. 1,112,033; Sept. 29; Gaz. vol. 206; p. 1275.
- Collar-stuffing machine. H. E. Doane. No. 1,084,075; Jan. 13; Gaz. vol. 198; p. 300.
- Collar-support. L. M. Graubarth. No. 1,083,826; Jan. 6; Gaz. vol. 198; p. 186.
- Collar-support. L. Penny. No. 1,102,681; July 7; Gaz. vol. 204; p. 160.
- Collar-support. M. E. Primrose. No. 1,088,179; Feb. 24; Gaz. vol. 199; p. 1047.
- Collar-support. M. E. Towler. No. 1,102,823; July 7; Gaz. vol. 204; p. 211.
- Collar-supporter. T. J. Browning. No. 1,111,359; Sept. 22; Gaz. vol. 206; p. 1006.
- Collar-supporter. A. Gelow. No. 1,110,622; Sept. 15; Gaz. vol. 206; p. 707.
- Collar-supporter. A. M. Grean. No. 1,083,398; Jan. 6; Gaz. vol. 198; p. 47.
- Collar-supporter. A. M. Grean. No. 1,110,769; Sept. 15; Gaz. vol. 206; p. 758.
- Collar-supporter. G. P. Jameson. No. 1,116,344; Nov. 3; Gaz. vol. 208; p. 299.
- Collar-supporter. J. G. Turnbull. No. 1,112,102; Sept. 29; Gaz. vol. 206; p. 1298.
- Collars, Adjustable pad for horse-. C. D. McMillan. No. 1,084,891; Jan. 20; Gaz. vol. 198; p. 602.
- Collars, cuffs, and the like, Blank-folding machine for the manufacture of. H. M. Clearwater, J. Temple, and J. H. Ramsey. No. 1,088,323; Feb. 24; Gaz. vol. 199; p. 1096.
- Collars, cuffs, &c., Machine for folding. B. W. Tucker. No. 1,086,422; Feb. 10; Gaz. vol. 199; p. 339.
- Collars, &c., Machine for folding. B. W. Tucker. No. 1,086,419; Feb. 10; Gaz. vol. 199; p. 337.
- Collars, &c., Machine for folding. B. W. Tucker. No. 1,086,420; Feb. 10; Gaz. vol. 199; p. 338.
- Collars, &c., Machine for folding. B. W. Tucker. No. 1,086,421; Feb. 10; Gaz. vol. 199; p. 338.
- Collars to shirts, Device for attaching. I. A. Ullman. No. 1,115,258; Oct. 27; Gaz. vol. 207; p. 1134.
- Collector. A. Helfenstein. No. 1,094,563; Apr. 28; Gaz. vol. 201; p. 962.
- Collector-ring. C. W. Starker. No. 1,108,940; Sept. 1; Gaz. vol. 206; p. 29.
- Collecting and stripping apparatus. G. Gould and A. J. Tingley. No. 1,119,422; Dec. 1; Gaz. vol. 209; p. 180.
- Color effects, Process and apparatus for producing. J. M. Cary. No. 1,104,407; July 21; Gaz. vol. 204; p. 845.
- Color-lake and making same. A. Strupler. No. 1,085,178; Jan. 27; Gaz. vol. 198; p. 737.
- Color-lake, Red alumina. C. Thun, P. Tust, and P. Thomaschewski. No. 1,090,352; Mar. 17; Gaz. vol. 200; p. 666.
- Color-lakes obtained from aminoxanthopurpurin-sulfonic acids, Red alumina. C. Thun, P. Tust, and P. Thomaschewski. No. 1,090,353; Mar. 17; Gaz. vol. 200; p. 666.
- Color-screens, Making. O. S. Dawson and C. L. Finlay. No. 1,085,727; Feb. 3; Gaz. vol. 199; p. 52.
- Color sense, Apparatus for testing. J. E. Jennings. No. 1,118,014; Nov. 24; Gaz. vol. 208; p. 1008.
- Colors, Producing ice. A. Winther, A. L. Laska, A. Zitscher, F. Kunert, and E. Acker. No. 1,099,108; June 2; Gaz. vol. 203; p. 250.
- Colored compounds of the seleno-azin series and making same. P. Ehrlich and H. Bauer. No. 1,087,157; Feb. 17; Gaz. vol. 199; p. 644.
- Coloring-matters and making them, Anthraquinone. M. H. Isler. No. 1,089,221; Mar. 3; Gaz. vol. 200; p. 189.
- Coloring-matters and producing them, Vat. E. Münch. No. 1,122,790; Dec. 29; Gaz. vol. 209; p. 1511.
- Colter, Adjustable. P. Haas. No. 1,094,068; Apr. 21; Gaz. vol. 201; p. 736.
- Colter, Disk. H. T. Lauterbach. No. 1,087,789; Feb. 17; Gaz. vol. 199; p. 865.
- Colter, Disk. H. T. Lauterbach. No. 1,087,790; Feb. 17; Gaz. vol. 199; p. 865.
- Colter, Disk. H. T. Lauterbach. No. 1,097,339; May 19; Gaz. vol. 202; p. 823.
- Column-clamp. A. J. Schulte. No. 1,119,783; Dec. 1; Gaz. vol. 209; p. 302.
- Column, Concrete. D. B. Danielson. No. 1,119,406; Dec. 1; Gaz. vol. 209; p. 175.
- Column-form. W. M. Venable. No. 1,114,946; Oct. 27; Gaz. vol. 207; p. 1024.
- Column, Hand-rail. C. J. Burrows. No. 1,106,279; Aug. 4; Gaz. vol. 205; p. 239.
- Column-mold. W. M. Venable. No. 1,120,570; Dec. 8; Gaz. vol. 209; p. 616.
- Column-mold. W. W. Wilson. No. 1,109,810; Sept. 8; Gaz. vol. 206; p. 376.
- Column, Stave porch-. W. R. Ripley. No. 1,110,008; Sept. 8; Gaz. vol. 206; p. 449.
- Column-top mold. W. M. Venable. No. 1,122,822; Dec. 29; Gaz. vol. 209; p. 1523.
- Columns, Apparatus for fluting. A. G. Higgins. No. 1,118,770; Nov. 24; Gaz. vol. 208; p. 1271.
- Comb. See Currycomb; Fountain-comb; Hair-drying comb; Hair straightening and singeing comb; Shampoo-comb; Toilet-comb; Toilet or hair comb.
- Comb. J. E. Laing. No. 1,108,375; Aug. 25; Gaz. vol. 205; p. 1116.
- Comb. E. C. Lurch. No. 1,093,941; Apr. 21; Gaz. vol. 201; p. 693.
- Comb. C. A. McCann. No. 1,107,537; Aug. 18; Gaz. vol. 205; p. 775.
- Comb. J. C. Morgan. No. 1,093,459; Apr. 14; Gaz. vol. 201; p. 491.
- Comb. A. P. Perlin. No. 1,108,224; Aug. 25; Gaz. vol. 205; p. 1063.
- Comb. A. H. Scott. No. 1,117,257; Nov. 17; Gaz. vol. 208; p. 703.
- Comb and brush, Combined. J. I. Hiatt. No. 1,102,919; July 7; Gaz. vol. 204; p. 242.
- Comb and cleaner, Combined. J. M. Morin. No. 1,100,025; June 16; Gaz. vol. 203; p. 648.
- Comb-cleaner. J. Nassauer. No. 1,089,070; Mar. 3; Gaz. vol. 200; p. 135.
- Combs, Compressor for circle-. A. Long. No. 1,101,496; June 23; Gaz. vol. 203; p. 1210.
- Combs, Making. W. J. MacIntosh. No. 1,095,584; May 5; Gaz. vol. 202; p. 141.
- Combs, Manufacture of. F. Wieland. No. 1,092,883; Apr. 14; Gaz. vol. 201; p. 295.
- Combs, Manufacture of. F. Wieland. No. 1,092,884; Apr. 14; Gaz. vol. 201; p. 296.
- Combs, Manufacturing. F. Wieland. No. 1,092,881; Apr. 14; Gaz. vol. 201; p. 295.
- Combs, Means for mounting needles in textile. T. Townsend. No. 1,105,166; July 28; Gaz. vol. 204; p. 1156.
- Combing-machine. J. E. Keeley. No. 1,087,780; Feb. 17; Gaz. vol. 199; p. 862.
- Combing-machine. C. E. Knowlton. No. 1,117,507; Nov. 17; Gaz. vol. 208; p. 791.
- Combing-machine waste-collector. O. A. Belger. No. 1,106,073; Aug. 4; Gaz. vol. 205; p. 170.
- Combing-machines, Bearing for the drawing-off rollers of Noble's. J. H. Whitehead, W. E. Layland, and G. Galloway. No. 1,102,834; July 7; Gaz. vol. 204; p. 215.
- Combing-machines, Sliver-pan for. R. Schofield. No. 1,102,298; July 7; Gaz. vol. 204; p. 27.
- Combination-bench. E. T. Turney. No. 1,100,272; June 16; Gaz. vol. 203; p. 735.
- Combination-chair. W. B. Winegar. No. 1,091,994; Mar. 31; Gaz. vol. 200; p. 1302.
- Combination-jack. H. H. Ferris. No. 1,083,816; Jan. 6; Gaz. vol. 198; p. 183.
- Combination-lock. C. A. Berry. No. 1,121,458; Dec. 15; Gaz. vol. 209; p. 974.

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- Combination-lock. E. E. Green. No. 1,091,744; Mar. 31; Gaz. vol. 200; p. 1216.
- Combination-lock. S. P. Hovey. No. 1,107,793; Aug. 18; Gaz. vol. 205; p. 866.
- Combination-lock. R. C. Lewis. No. 1,092,843; Apr. 14; Gaz. vol. 201; p. 283.
- Combination-lock. F. McCarthy. No. 1,092,733; Apr. 7; Gaz. vol. 201; p. 209.
- Combination-lock. E. McDonnell. No. 1,120,513; Dec. 8; Gaz. vol. 209; p. 595.
- Combination-lock. M. A. Mosher. No. 1,086,551; Feb. 10; Gaz. vol. 199; p. 384.
- Combination-lock. H. F. Nelson. No. 1,111,487; Sept. 22; Gaz. vol. 206; p. 1050.
- Combination-lock. J. Storr, Jr. No. 1,084,764; Jan. 20; Gaz. vol. 198; p. 560.
- Combination-lock. W. H. Taylor. No. 1,092,874; Apr. 14; Gaz. vol. 201; p. 293.
- Combination-lock. D. W. Wilt. No. 1,118,252; Nov. 24; Gaz. vol. 208; p. 1089.
- Combustion-chambers, Controller for. W. R. Mills. No. 1,090,869; Mar. 24; Gaz. vol. 200; p. 874.
- Combustion-compressor. J. Raclet and C. Enderlin. No. 1,083,943; Jan. 13; Gaz. vol. 198; p. 254.
- Combustion, Conducting. H. L. Doherty. No. 1,101,788; June 30; Gaz. vol. 203; p. 1360.
- Combustion, Controlling. F. H. Brown. No. 1,098,935; June 2; Gaz. vol. 203; p. 197.
- Combustion, Controlling. J. M. Rusby. No. 1,106,319; Aug. 4; Gaz. vol. 205; p. 253.
- Combustion device. C. E. Brown. No. 1,091,424; Mar. 24; Gaz. vol. 200; p. 1061.
- Combustion-engine. M. Fischer. No. 1,103,901; July 14; Gaz. vol. 204; p. 631.
- Combustion-engine. W. A. Jex. No. 1,110,390; Sept. 15; Gaz. vol. 206; p. 625.
- Combustion-engine. E. Moore. No. 1,098,824; June 2; Gaz. vol. 203; p. 158.
- Combustion-engine. G. Rietti. No. 1,095,675; May 5; Gaz. vol. 202; p. 171.
- Combustion-engine. J. Sulzer. No. 1,097,567; May 19; Gaz. vol. 202; p. 898.
- Combustion-engine. W. and E. Thorney. No. 1,103,451; July 14; Gaz. vol. 204; p. 472.
- Combustion-motor. M. R. Matti. No. 1,084,461; Jan. 13; Gaz. vol. 198; p. 427.
- Combustion, Regulating. G. W. Parker. No. 1,104,000; July 21; Gaz. vol. 204; p. 705.
- Combustion, Regulating the temperature of. J. M. Rusby and J. H. Taussig. No. 1,110,991; Sept. 15; Gaz. vol. 206; p. 835.
- Comminuted-material mixer. H. B. Pruden. No. 1,120,534; Dec. 8; Gaz. vol. 209; p. 603.
- Comminuted-material mixer. H. B. Pruden. No. 1,120,535; Dec. 8; Gaz. vol. 209; p. 604.
- Comminuting phenolic condensation products. J. W. Aylsworth. No. 1,092,512; Apr. 7; Gaz. vol. 201; p. 135.
- Commode-pan structure for tilting beds. H. E. Bown. No. 1,086,584; Feb. 10; Gaz. vol. 199; p. 397.
- Communion-cloth and holder for same. M. J. McIntyre. No. 1,117,960; Nov. 17; Gaz. vol. 208; p. 949.
- Communion-service filler. D. R. Dix. No. 1,092,565; Apr. 7; Gaz. vol. 201; p. 152.
- Commutator for radiotelegraphic plants with indirect excitation, Automatic. E. Girardeau. No. 1,105,029; July 28; Gaz. vol. 204; p. 1110.
- Commutator-machines, Excitation of dynamo-electric. A. Scherbuis. No. 1,114,534; Oct. 20; Gaz. vol. 207; p. 828.
- Commutator-machines with drum-armatures, Compensating winding for polyphase. H. Meyer-Delius. No. 1,118,433; Nov. 24; Gaz. vol. 208; p. 1155.
- Commutator provided with segments or bars and slip-rings. B. Ljungström. No. 1,102,525; July 7; Gaz. vol. 204; p. 106.
- Commutators, Device for reducing the insulating-strips of. B. O. Swain and J. S. Timmons. No. 1,116,158; Nov. 3; Gaz. vol. 208; p. 237.
- Commutators, Method of and apparatus for forming. E. A. Halbleib. No. 1,119,150; Dec. 1; Gaz. vol. 209; p. 87.
- Comparator. C. E. Hiatt. No. 1,121,835; Dec. 22; Gaz. vol. 209; p. 1142.
- Compass. C. L. Berger. No. 1,115,774; Nov. 3; Gaz. vol. 208; p. 104.
- Compass and knife, Combined. T. Champlin. No. 1,115,780; Nov. 3; Gaz. vol. 208; p. 105.
- Compass-board. E. Seckler. No. 1,118,309; Nov. 24; Gaz. vol. 208; p. 1109.
- Compass, Gyroscope. H. Anschütz-Kaempfe. No. 1,092,816; Apr. 14; Gaz. vol. 201; p. 273.
- Compass, Mariner's. M. B. Field and D. Renfrew. No. 1,110,318; Sept. 15; Gaz. vol. 206; p. 599.
- Compass, Scriber's. K. Storaker. No. 1,111,192; Sept. 22; Gaz. vol. 206; p. 950.
- Compass, Self-registering. A. B. C. Thomsen. No. 1,120,565; Dec. 8; Gaz. vol. 209; p. 614.
- Compass with angular-shifting magnifying device. G. E. Colombel. No. 1,107,901; Aug. 18; Gaz. vol. 205; p. 901.
- Compasses. G. Halvorsen and O. Kroglund. No. 1,085,415; Jan. 27; Gaz. vol. 198; p. 819.
- Compasses. O. Tromlitz. No. 1,098,536; June 2; Gaz. vol. 203; p. 63.
- Compasses, Elliptic. R. D. Becker and F. Nemarnich. No. 1,115,772; Nov. 3; Gaz. vol. 208; p. 103.
- Compasses or the like, Telltale for. J. L. Hall. No. 1,091,653; Mar. 31; Gaz. vol. 200; p. 1185.
- Composing and casting machine, Line. B. Cade. No. 1,084,395; Jan. 13; Gaz. vol. 198; p. 406.
- Composing and type machines, Feed mechanism for. J. S. Bancroft and M. C. Indahl. No. 1,094,627; Apr. 28; Gaz. vol. 201; p. 986.
- Composing-machine keyboard. C. E. Benham. No. 1,099,734; June 9; Gaz. vol. 203; p. 511.
- Composing-machine keyboard. C. E. Benham. No. 1,106,538; Aug. 11; Gaz. vol. 205; p. 377.
- Composing-machine record-strip. J. S. Bancroft and M. C. Indahl. No. 1,094,630; Apr. 28; Gaz. vol. 201; p. 987.
- Composing-machine record-strip. J. S. Bancroft and M. C. Indahl. No. 1,094,631; Apr. 28; Gaz. vol. 201; p. 987.
- Composing-machine, Typographical. H. Degener. No. 1,084,795; Jan. 20; Gaz. vol. 198; p. 571.
- Composing-machine, Typographical. D. S. Kennedy. No. 1,088,428; Feb. 24; Gaz. vol. 199; p. 1131.
- Composing-machine, Typographical. J. Mayer. No. 1,085,925; Feb. 3; Gaz. vol. 199; p. 122.
- Composing-machine, Typographical. C. Muehleisen. No. 1,088,442; Feb. 24; Gaz. vol. 199; p. 1135.
- Composing-machine, Typographical. C. Muehleisen. No. 1,093,716; Apr. 21; Gaz. vol. 201; p. 620.
- Composing-machine, Typographical. J. R. Rogers. No. 1,086,620; Feb. 10; Gaz. vol. 199; p. 409.
- Composing-machines, Spaceband for. J. T. Lockwood. No. 1,113,362; Oct. 13; Gaz. vol. 207; p. 374.
- Composing mechanism for typographs. C. H. Brasted. No. 1,091,477; Mar. 31; Gaz. vol. 200; p. 1124.
- Composing-stick. B. McGinty. No. 1,107,539; Aug. 18; Gaz. vol. 205; p. 775.
- Composing-stick. C. F. Mechler. No. 1,102,778; July 7; Gaz. vol. 204; p. 195.
- Composing-stick. C. L. Stuart. No. 1,114,550; Oct. 20; Gaz. vol. 207; p. 833.
- Composite fabric. G. J. Hoffman. No. 1,119,697; Dec. 1; Gaz. vol. 209; p. 274.
- Composition and manufacturing the same. J. W. Aylsworth. No. 1,102,630; July 7; Gaz. vol. 204; p. 144.
- Composition containing annealed steel-wool and rubber. J. P. Crane. No. 1,112,772; Oct. 6; Gaz. vol. 207; p. 127.
- Composition, Dry shortening. A. W. Estabrook and H. E. Weaver. No. 1,101,015; June 23; Gaz. vol. 203; p. 1044.
- Composition of matter. G. P. De Guzmán. No. 1,096,605; May 12; Gaz. vol. 202; p. 523.
- Composition of matter. C. Henrich. No. 1,116,063; Nov. 3; Gaz. vol. 208; p. 204.
- Composition of matter. E. D. Kendall. No. 1,103,903; July 14; Gaz. vol. 204; p. 631.
- Composition of matter. E. D. Kendall. No. 1,105,568; July 28; Gaz. vol. 204; p. 1300.
- Composition of matter. H. F. Pohrer. No. 1,091,863; Mar. 31; Gaz. vol. 200; p. 1260.
- Composition of matter and making same. E. B. Cook. No. 1,096,286; May 12; Gaz. vol. 202; p. 416.
- Composition of matter and preparing same. H. A. Gardner. No. 1,086,361; Feb. 10; Gaz. vol. 199; p. 319.
- Composition of matter and producing the same. S. M. Darling. No. 1,114,590; Oct. 20; Gaz. vol. 207; p. 845.
- Composition of matter and producing the same. L. V. Redman. No. 1,107,703; Aug. 18; Gaz. vol. 205; p. 835.
- Composition of matter suitable for bucking. R. Bohn. No. 1,095,793; May 5; Gaz. vol. 202; p. 212.
- Composition of matter to be used as an oxygenizer in connection with combustibles. A. Morin, L. Hamon, and E. Hess. No. 1,112,547; Oct. 6; Gaz. vol. 207; p. 48.
- Composition of matter to be used in revitalizing soils. F. C. Nicholas. No. 1,099,151; June 2; Gaz. vol. 203; p. 266.
- Compositions of matter, Manufacturing. L. Lilienfeld. No. 1,090,730; Mar. 17; Gaz. vol. 200; p. 795.
- Compressing machine, Material. G. C. Humphrey. No. 1,113,121; Oct. 6; Gaz. vol. 207; p. 244.
- Compressing wood or other elastic material. F. Ziebarth. No. 1,089,687; Mar. 10; Gaz. vol. 200; p. 396.
- Compression-relief mechanism. H. W. Jacobs and W. J. Leighty. No. 1,101,935; June 30; Gaz. vol. 203; p. 1412.
- Compression-tank. J. L. Hooker. No. 1,114,358; Oct. 20; Gaz. vol. 207; p. 763.
- Compressor. E. Anderson. No. 1,105,479; July 28; Gaz. vol. 204; p. 1270.
- Compressor. A. Dudgeon. No. 1,122,085; Dec. 22; Gaz. vol. 209; p. 1230.
- Compressor. E. M. Mackie. No. 1,092,278; Apr. 7; Gaz. vol. 201; p. 53.
- Compressor, blower, and pump, Rotary. C. G. Curtis. No. 1,086,754; Feb. 10; Gaz. vol. 199; p. 456.
- Compressor, Centrifugal. O. Banner. No. 1,110,864; Sept. 15; Gaz. vol. 206; p. 793.

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- Compressor, Centrifugal. W. Kieser. No. 1,087,382; Feb. 17; Gaz. vol. 199; p. 724.
- Compressor, Centrifugal. J. W. Kittredge. No. 1,110,696; Sept. 15; Gaz. vol. 206; p. 734.
- Compressor for ammonia systems. J. L. Vidar. No. 1,120,635; Dec. 8; Gaz. vol. 209; p. 640.
- Compressor relief device. R. Conrader. No. 1,089,397; Mar. 10; Gaz. vol. 200; p. 292.
- Compressor, Rotary. F. S. Strite. No. 1,117,461; Nov. 17; Gaz. vol. 208; p. 775.
- Compressor-unloader. L. Iversen. No. 1,122,395; Dec. 29; Gaz. vol. 209; p. 1373.
- Compressor-unloading device. W. F. Treiber. No. 1,093,299; Apr. 14; Gaz. vol. 201; p. 439.
- Compressors and pumps, Impeller for centrifugal. R. H. Rice. No. 1,112,324; Sept. 29; Gaz. vol. 206; p. 1376.
- Compressors, Means for changing the output of centrifugal. R. H. Rice. No. 1,118,443; Nov. 24; Gaz. vol. 208; p. 1159.
- Compressors, Means for preventing surging in centrifugal. J. G. Callan. No. 1,097,298; May 19; Gaz. vol. 202; p. 808.
- Compressors, Preventing pulsations in centrifugal. M. I. Nusim. No. 1,097,259; May 19; Gaz. vol. 202; p. 794.
- Computer for ascertaining transportation charges. N. P. Leary. No. 1,120,948; Dec. 15; Gaz. vol. 209; p. 797.
- Computer, Interest. C. C. Wild. No. 1,114,560; Oct. 20; Gaz. vol. 207; p. 836.
- Computer, Time and wage. T. J. Falvey and R. D. Caldwell. No. 1,088,889; Mar. 3; Gaz. vol. 200; p. 74.
- Computing and listing machine, Combined. D. W. Shiek. No. 1,111,867; Sept. 29; Gaz. vol. 206; p. 1221.
- Computing and printing machine. F. M. Carroll. No. 1,091,482; Mar. 31; Gaz. vol. 200; p. 1126.
- Computing and registering mechanism. A. G. Snyder. No. 1,118,376; Nov. 24; Gaz. vol. 208; p. 1135.
- Computing-machine. F. M. Carroll. No. 1,098,095; May 26; Gaz. vol. 202; p. 1131.
- Computing-machine. I. S. Dement. No. 1,088,812; Mar. 3; Gaz. vol. 200; p. 46.
- Computing-machine. I. S. Dement. No. 1,107,269; Aug. 18; Gaz. vol. 205; p. 679.
- Computing-machine. A. D. Kenyon. No. 1,118,135; Nov. 24; Gaz. vol. 208; p. 1050.
- Computing-machine. C. R. Morse. No. 1,098,353; May 26; Gaz. vol. 202; p. 1219.
- Computing-machine. A. G. Snyder. No. 1,122,320; Dec. 29; Gaz. vol. 209; p. 1349.
- Computing-machine. A. G. Voss. No. 1,090,252; Mar. 17; Gaz. vol. 200; p. 632.
- Computing-machine. G. Walker. No. 1,098,856; June 2; Gaz. vol. 203; p. 169.
- Computing-machine, Mechanism for controlling the locks of the computing-numerals in a. G. Walker. No. 1,098,855; June 2; Gaz. vol. 203; p. 169.
- Computing-machines, Controlling mechanism for the printing-ribbons of. J. E. W. Greve. No. 1,099,124; June 2; Gaz. vol. 203; p. 256.
- Computing-machines, &c., Paper-feed device for. D. W. Shiek. No. 1,105,853; Aug. 4; Gaz. vol. 205; p. 94.
- Computing-machines, Totalizing mechanism for. A. G. Snyder. No. 1,118,377; Nov. 24; Gaz. vol. 208; p. 1135.
- Computing mechanism. J. V. Souder. No. 1,114,406; Oct. 20; Gaz. vol. 207; p. 781.
- Computing mechanism. W. Wright. No. 1,105,170; July 28; Gaz. vol. 204; p. 1158.
- Concentrating apparatus. P. T. Hambric. No. 1,100,971; June 23; Gaz. vol. 203; p. 1029.
- Concentrating-apparatus support. W. F. Deister. No. 1,098,023; May 26; Gaz. vol. 202; p. 1106.
- Concentrating-apparatus support. W. F. Deister. (Re-issue.) No. 13,816; Oct. 27; Gaz. vol. 207; p. 1210.
- Concentrating or vanning machine for separating pulverized ores and similar material, Belt. O. H. King. No. 1,108,186; Aug. 25; Gaz. vol. 205; p. 1049.
- Concentrating-table. W. A. Huelsdonk. No. 1,104,300; July 21; Gaz. vol. 204; p. 808.
- Concentrating-table. E. B. Kirby. No. 1,105,912; Aug. 4; Gaz. vol. 205; p. 113.
- Concentrating-tables, Head-motion for. W. F. Deister. No. 1,088,682; Mar. 3; Gaz. vol. 200; p. 4.
- Concentrating units, Mechanism for operating. W. F. Deister. No. 1,088,683; Mar. 3; Gaz. vol. 200; p. 5.
- Concentrating units, Mechanism for operating. W. F. Deister. No. 1,088,684; Mar. 3; Gaz. vol. 200; p. 5.
- Concentrator. H. W. Bailey. No. 1,111,687; Sept. 22; Gaz. vol. 206; p. 1120.
- Concentrator. L. Bowerman. No. 1,118,393; Nov. 24; Gaz. vol. 208; p. 1140.
- Concentrator. W. A. Butchart. No. 1,111,992; Sept. 29; Gaz. vol. 206; p. 1261.
- Concentrator. W. L. and F. S. Card. No. 1,094,640; Apr. 28; Gaz. vol. 201; p. 990.
- Concentrator. C. G. Hubbard. No. 1,088,423; Feb. 24; Gaz. vol. 199; p. 1129.
- Concentrator. H. P. McIntire. No. 1,116,092; Nov. 3; Gaz. vol. 208; p. 215.
- Concentrator. J. M. Nicol. No. 1,097,139; May 19; Gaz. vol. 202; p. 752.
- Concentrator. E. Pierce and W. Pinkerton. No. 1,091,440; Mar. 24; Gaz. vol. 200; p. 1067.
- Concentrator. A. R. Wildley. No. 1,097,113; May 19; Gaz. vol. 202; p. 742.
- Concentrator-distributor. W. A. Huelsdonk. No. 1,104,299; July 21; Gaz. vol. 204; p. 808.
- Concretor, Dry. G. D. Harrington. No. 1,119,950; Dec. 8; Gaz. vol. 209; p. 396.
- Concretor, Dry. J. F. Hiltcher. No. 1,108,499; Aug. 25; Gaz. vol. 205; p. 1160.
- Concretor, Dry. L. A. W. Johnson. No. 1,105,977; Aug. 4; Gaz. vol. 205; p. 137.
- Concretor, Multiple-deck. U. A. Garred. No. 1,093,986; Apr. 21; Gaz. vol. 201; p. 708.
- Concretors, Pulp-distributor for. W. E. Darrow. No. 1,104,969; July 28; Gaz. vol. 204; p. 1090.
- Concrete, Aggregate for. F. M. Haldeman. No. 1,113,555; Oct. 13; Gaz. vol. 207; p. 443.
- Concrete-anchor. W. D. James. No. 1,104,805; July 28; Gaz. vol. 204; p. 1033.
- Concrete-anchor. H. J. Smith. No. 1,089,874; Mar. 10; Gaz. vol. 200; p. 459.
- Concrete and making the same, Waterproof. R. K. Meade. No. 1,092,933; Apr. 14; Gaz. vol. 201; p. 313.
- Concrete and the like, Mixing. L. H. Eichelberger. No. 1,097,084; May 19; Gaz. vol. 202; p. 733.
- Concrete and the like mixing machine. L. and J. Eirich. No. 1,095,980; May 5; Gaz. vol. 202; p. 273.
- Concrete arches, &c., Adjustable and variable centering for. H. A. Loser. No. 1,112,542; Oct. 6; Gaz. vol. 207; p. 46.
- Concrete arches, Building reinforced-. D. B. Luten. No. 1,089,488; Mar. 10; Gaz. vol. 200; p. 327.
- Concrete arches, Centering for. L. F. Sylvester. No. 1,108,639; Aug. 25; Gaz. vol. 205; p. 1207.
- Concrete arches, Form for making. J. Brawner. No. 1,118,630; Nov. 24; Gaz. vol. 208; p. 1224.
- Concrete bin structure, Reinforced-. F. W. Cooley. No. 1,098,559; June 2; Gaz. vol. 203; p. 72.
- Concrete-block machine. J. Cathriner. No. 1,086,994; Feb. 10; Gaz. vol. 199; p. 537.
- Concrete-block-molding machine. E. Ellingson. No. 1,118,540; Nov. 24; Gaz. vol. 208; p. 1193.
- Concrete blocks, Mold for making reinforced-. G. C. Henkle. No. 1,109,753; Sept. 8; Gaz. vol. 206; p. 358.
- Concrete bridge construction. W. M. Thomas. No. 1,097,269; May 19; Gaz. vol. 202; p. 798.
- Concrete bridge construction, Reinforced-. W. M. Thomas. No. 1,120,104; Dec. 8; Gaz. vol. 209; p. 449.
- Concrete building-block, Waterproof. A. D. Wiltse. No. 1,115,266; Oct. 27; Gaz. vol. 207; p. 1137.
- Concrete building construction. J. A. Kuivala. No. 1,091,147; Mar. 24; Gaz. vol. 200; p. 971.
- Concrete building construction. N. C. Newerf. No. 1,105,682; Aug. 4; Gaz. vol. 205; p. 33.
- Concrete building constructions, Socket for. J. A. Sanquist. No. 1,091,168; Mar. 24; Gaz. vol. 200; p. 979.
- Concrete building, Knockdown. W. C. Broughton. No. 1,111,131; Sept. 22; Gaz. vol. 206; p. 928.
- Concrete burial-vault. N. L. Brown. No. 1,091,282; Mar. 24; Gaz. vol. 200; p. 1017.
- Concrete burial-vaults, Interior collapsible form for. J. G. Johnson. No. 1,113,012; Oct. 6; Gaz. vol. 207; p. 209.
- Concrete, cement, and the like, Manufacture of products of. H. S. Owen. No. 1,087,974; Feb. 24; Gaz. vol. 199; p. 976.
- Concrete chute and elevator. J. R. Boardman. No. 1,083,479; Jan. 6; Gaz. vol. 198; p. 73.
- Concrete cisterns, &c., Mold for. F. H. Dumbauld. No. 1,088,218; Feb. 24; Gaz. vol. 199; p. 1060.
- Concrete column construction, Reinforced-. H. S. Taft. No. 1,111,194; Sept. 22; Gaz. vol. 206; p. 950.
- Concrete columns, Collapsible reinforcement for. A. Bindley and C. J. Mogan. No. 1,115,491; Nov. 3; Gaz. vol. 208; p. 9.
- Concrete columns, Collapsible spiral reinforcement for. A. Bindley and C. J. Mogan. No. 1,115,490; Nov. 3; Gaz. vol. 208; p. 8.
- Concrete columns, Form for. H. C. Waldman. No. 1,085,713; Feb. 3; Gaz. vol. 199; p. 47.
- Concrete columns, Reinforcement system for. R. B. Hartman. No. 1,091,218; Mar. 24; Gaz. vol. 200; p. 996.
- Concrete columns, Variable mold for. A. G. Hoadley. No. 1,096,914; May 19; Gaz. vol. 202; p. 671.
- Concrete composition, Waterproof. H. M. Olson. No. 1,109,540; Sept. 1; Gaz. vol. 206; p. 239.
- Concrete construction. J. O. Davison. No. 1,116,391; Nov. 10; Gaz. vol. 208; p. 356.
- Concrete construction. W. T. Gagnebin. No. 1,104,651; July 21; Gaz. vol. 204; p. 930.
- Concrete construction. J. H. McKennee. No. 1,102,991; July 7; Gaz. vol. 204; p. 265.
- Concrete construction, Adjustable fastening means for rigidly securing stirrups or shear members to tension and other bars used in reinforcing. W. R. Kerr. No. 1,114,147; Oct. 20; Gaz. vol. 207; p. 688.
- Concrete construction, Adjustable metal form for. J. A. Longevin. No. 1,119,969; Dec. 8; Gaz. vol. 209; p. 403.
- Concrete construction, Bar for reinforced. H. G. Meadows. No. 1,107,434; Aug. 18; Gaz. vol. 205; p. 740.

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- Concrete construction, Collapsible frame for. J. O. Ellinger. No. 1,094,842; Apr. 28; Gaz. vol. 201; p. 1062.
- Concrete construction, Construction of forms for. G. W. Brandt. No. 1,112,112; Sept. 29; Gaz. vol. 206; p. 1302.
- Concrete-construction form. J. S. Van Giesen. No. 1,119,734; Dec. 1; Gaz. vol. 209; p. 286.
- Concrete-construction form-brace. W. J. Anderson. No. 1,101,382; June 23; Gaz. vol. 203; p. 1169.
- Concrete construction, Form work for. R. Anderson. No. 1,086,343; Feb. 10; Gaz. vol. 199; p. 313.
- Concrete construction, Insert for. W. T. English. No. 1,110,429; Sept. 15; Gaz. vol. 206; p. 639.
- Concrete construction, Insert for. W. H. Homiss. No. 1,110,440; Sept. 15; Gaz. vol. 206; p. 643.
- Concrete-construction mold. M. H. Mooney. No. 1,122,977; Dec. 29; Gaz. vol. 209; p. 1577.
- Concrete construction, Reinforced. W. Appleby. No. 1,102,122; June 30; Gaz. vol. 203; p. 1480.
- Concrete construction, Reinforced. J. W. Bragstad. No. 1,107,486; Aug. 18; Gaz. vol. 205; p. 758.
- Concrete construction, Reinforced. J. G. Brown. No. 1,115,387; Oct. 27; Gaz. vol. 207; p. 1176.
- Concrete construction, Reinforced. M. E. Chamberlain. No. 1,119,066; Dec. 1; Gaz. vol. 209; p. 59.
- Concrete construction, Reinforced. W. L. Church. No. 1,097,915; May 26; Gaz. vol. 202; p. 1069.
- Concrete construction, Reinforced. W. L. Church. (Re-issue.) No. 1,3775; July 21; Gaz. vol. 204; p. 968.
- Concrete construction, Reinforced. E. F. Crane. No. 1,087,644; Feb. 17; Gaz. vol. 199; p. 817.
- Concrete construction, Reinforced. W. B. Hough. No. 1,105,789; Aug. 4; Gaz. vol. 205; p. 71.
- Concrete construction, Reinforced. W. B. Hough. No. 1,114,765; Oct. 27; Gaz. vol. 207; p. 959.
- Concrete construction, Reinforced. V. J. Hultquist. No. 1,086,177; Feb. 3; Gaz. vol. 199; p. 212.
- Concrete construction, Reinforced. C. J. Hyer. No. 1,090,718; Mar. 17; Gaz. vol. 200; p. 791.
- Concrete construction, Reinforced. G. Kahn. No. 1,085,428; Jan. 27; Gaz. vol. 198; p. 823.
- Concrete construction, Reinforced. H. Rusch. No. 1,111,972; Sept. 29; Gaz. vol. 206; p. 1254.
- Concrete construction, Reinforced. C. A. P. Turner. No. 1,097,999; May 26; Gaz. vol. 202; p. 1098.
- Concrete construction, Reinforced. W. J. Watson. No. 1,121,313; Dec. 15; Gaz. vol. 209; p. 924.
- Concrete-construction reinforcement. J. O. Ellinger. No. 1,094,841; Apr. 28; Gaz. vol. 201; p. 1062.
- Concrete-construction reinforcement. J. O. Ellinger. No. 1,094,845; Apr. 28; Gaz. vol. 201; p. 1063.
- Concrete construction, Reinforcement for. J. O. Ellinger. No. 1,087,438; Feb. 17; Gaz. vol. 199; p. 743.
- Concrete construction, Reinforcement for. J. O. Ellinger. No. 1,087,439; Feb. 17; Gaz. vol. 199; p. 744.
- Concrete construction, Supporting, spacing, and reinforcing means of. B. White. No. 1,108,647; Aug. 25; Gaz. vol. 205; p. 1210.
- Concrete construction, Unit-bar for. J. O. Ellinger. No. 1,094,843; Apr. 28; Gaz. vol. 201; p. 1063.
- Concrete constructions, Protecting-plate for the edges of. T. H. Kane. No. 1,111,839; Sept. 29; Gaz. vol. 206; p. 1210.
- Concrete constructions, Socket-insert for. H. Brussel. No. 1,122,470; Dec. 29; Gaz. vol. 209; p. 1398.
- Concrete culvert. W. N. Cosgrove and G. L. Smith. No. 1,096,226; May 12; Gaz. vol. 202; p. 394.
- Concrete-culvert form, Collapsible. J. W. Kempf. No. 1,097,234; May 19; Gaz. vol. 202; p. 786.
- Concrete culverts, Core for making. G. Miller. No. 1,096,047; May 12; Gaz. vol. 202; p. 333.
- Concrete curbing and the like, Metallic guard for. C. W. Denny. No. 1,086,758; Feb. 10; Gaz. vol. 199; p. 457.
- Concrete-distributor. F. E. Klunker. No. 1,096,543; May 12; Gaz. vol. 202; p. 502.
- Concrete-distributor. T. Lightbody. No. 1,088,353; Feb. 24; Gaz. vol. 199; p. 1105.
- Concrete-distributors, Stop mechanism for. E. H. Lichtenberg. No. 1,113,661; Oct. 13; Gaz. vol. 207; p. 478.
- Concrete-distributing apparatus. R. M. Beanfield. No. 1,094,111; Apr. 21; Gaz. vol. 201; p. 750.
- Concrete dock or pier, Reinforced. W. S. Ferguson. No. 1,089,405; Mar. 10; Gaz. vol. 200; p. 296.
- Concrete dock-walls, Building. A. J. Mason. No. 1,083,289; Jan. 6; Gaz. vol. 198; p. 10.
- Concrete door-frame for silos. E. H. Jones. No. 1,096,373; May 12; Gaz. vol. 202; p. 446.
- Concrete fence-post. R. A. Chambers. No. 1,104,626; July 21; Gaz. vol. 204; p. 922.
- Concrete fence-post. W. R. Kirkwood. No. 1,087,498; Feb. 17; Gaz. vol. 199; p. 764.
- Concrete-fence-post mold. G. H. Fenske. No. 1,090,701; Mar. 17; Gaz. vol. 200; p. 786.
- Concrete fence posts and braces, Combination-mold for. T. C. Cole. No. 1,085,593; Feb. 3; Gaz. vol. 199; p. 5.
- Concrete floor and ceiling. J. F. Golding. No. 1,095,204; May 5; Gaz. vol. 202; p. 10.
- Concrete floor construction, Reinforced. R. Anderson. No. 1,088,956; Mar. 3; Gaz. vol. 200; p. 98.
- Concrete floor construction, Reinforced. W. L. Schultz. No. 1,087,987; Feb. 24; Gaz. vol. 199; p. 980.
- Concrete floor construction, Reinforced. F. Squires. No. 1,115,344; Oct. 27; Gaz. vol. 207; p. 1162.
- Concrete floor construction, Reinforced. W. E. Walker. No. 1,101,767; June 30; Gaz. vol. 203; p. 1352.
- Concrete floors, Removable mold for. C. L. Meyer. No. 1,106,665; Aug. 11; Gaz. vol. 205; p. 422.
- Concrete floors, Temporary flooring for. J. E. Hodges. No. 1,118,282; Nov. 24; Gaz. vol. 208; p. 1100.
- Concrete-form. J. W. Hunter. No. 1,121,840; Dec. 22; Gaz. vol. 209; p. 1144.
- Concrete-form. A. Neubert. No. 1,087,604; Feb. 17; Gaz. vol. 199; p. 801.
- Concrete-form hanger. G. S. Tulte. No. 1,094,496; Apr. 28; Gaz. vol. 201; p. 940.
- Concrete-form, Wood. C. J. Wagner. No. 1,101,592; June 30; Gaz. vol. 203; p. 1293.
- Concrete-insert. W. B. Millar. No. 1,114,013; Oct. 20; Gaz. vol. 207; p. 640.
- Concrete, Lining shafts with. E. Morlae. No. 1,089,573; Mar. 10; Gaz. vol. 200; p. 356.
- Concrete lumber, Hollow reinforced. J. Hickson. No. 1,085,042; Jan. 20; Gaz. vol. 198; p. 653.
- Concrete-machine. E. N. Trump. No. 1,089,883; Mar. 10; Gaz. vol. 200; p. 462.
- Concrete, Method and apparatus for mixing. F. B. Giesler. No. 1,096,103; May 12; Gaz. vol. 202; p. 352.
- Concrete, Method of and device for mixing. T. L. Smith. No. 1,107,237; Aug. 11; Gaz. vol. 205; p. 621.
- Concrete-mixer. E. C. Cummings. No. 1,096,154; May 12; Gaz. vol. 202; p. 369.
- Concrete-mixer. C. F. Lancaster. No. 1,101,803; June 30; Gaz. vol. 203; p. 1366.
- Concrete-mixer. H. Q. Maurino. No. 1,086,777; Feb. 10; Gaz. vol. 199; p. 464.
- Concrete-mixer. J. Michels. No. 1,091,749; Mar. 31; Gaz. vol. 200; p. 1218.
- Concrete-mixer. G. F. Nye. No. 1,103,534; July 14; Gaz. vol. 204; p. 500.
- Concrete-mixer. W. Pile. No. 1,103,685; July 14; Gaz. vol. 204; p. 559.
- Concrete-mixer. W. H. Pottorf. No. 1,119,634; Dec. 1; Gaz. vol. 209; p. 253.
- Concrete-mixer. O. S. Riblet. No. 1,111,180; Sept. 22; Gaz. vol. 206; p. 946.
- Concrete-mixer. K. R. Schuster. No. 1,111,974; Sept. 29; Gaz. vol. 206; p. 1255.
- Concrete-mixer. E. F. Wege. No. 1,091,264; Mar. 24; Gaz. vol. 200; p. 1012.
- Concrete-mixer-charging device. P. A. Koehring. No. 1,107,171; Aug. 11; Gaz. vol. 205; p. 598.
- Concrete-mixer, Hand. H. O. Clarke. No. 1,103,484; July 14; Gaz. vol. 204; p. 484.
- Concrete-mixer, Portable. G. L. Sexton. No. 1,108,523; Aug. 25; Gaz. vol. 205; p. 1167.
- Concrete-mixers and similar machines, Loader for. D. Fraser. No. 1,109,915; Sept. 8; Gaz. vol. 206; p. 416.
- Concrete-mixers, Charging device for. E. W. Brackenbury. No. 1,091,624; Mar. 31; Gaz. vol. 200; p. 1174.
- Concrete-mixers, Control mechanism for. E. H. Lichtenberg. No. 1,103,788; July 14; Gaz. vol. 204; p. 592.
- Concrete-mixers, Discharge-chute for. C. H. Dasher. No. 1,095,492; May 5; Gaz. vol. 202; p. 110.
- Concrete-mixing machine. E. L. Cridge. No. 1,085,548; Jan. 27; Gaz. vol. 198; p. 860.
- Concrete-mixing machine. J. L. Wettlaufer. No. 1,109,097; Sept. 1; Gaz. vol. 206; p. 85.
- Concrete-mixing machines and the like, Drum construction for. A. D. Mosby. No. 1,096,260; May 12; Gaz. vol. 202; p. 407.
- Concrete-mold. L. Giguère. No. 1,121,492; Dec. 15; Gaz. vol. 209; p. 985.
- Concrete-mold. F. J. and A. J. Leydecker. No. 1,109,433; Sept. 1; Gaz. vol. 206; p. 204.
- Concrete-mold. H. G. Schenck. No. 1,117,449; Nov. 17; Gaz. vol. 208; p. 770.
- Concrete-mold. W. H. Tuohy. No. 1,109,803; Sept. 8; Gaz. vol. 206; p. 373.
- Concrete-mold. W. H. Tuohy. No. 1,111,197; Sept. 22; Gaz. vol. 206; p. 951.
- Concrete-molds, Means for raising. F. R. McQueen. No. 1,119,851; Dec. 8; Gaz. vol. 209; p. 362.
- Concrete-molds, Removable support for sides of. D. W. Daley. No. 1,116,805; Nov. 10; Gaz. vol. 208; p. 506.
- Concrete-molding machine. L. T. Kenny. No. 1,095,216; May 5; Gaz. vol. 202; p. 15.
- Concrete or artificial stone, Shaking-machine for use in the manufacture of. A. and C. Friesecke. No. 1,106,644; Aug. 11; Gaz. vol. 205; p. 415.
- Concrete or clay by centrifugal action, Producing hollow bodies from. H. Wewerka. No. 1,117,466; Nov. 17; Gaz. vol. 208; p. 777.
- Concrete-pile former. O. D. Wallelt. No. 1,101,364; June 23; Gaz. vol. 203; p. 1163.
- Concrete-pile-forming apparatus. T. W. Ridley. No. 1,101,662; June 30; Gaz. vol. 203; p. 1318.
- Concrete piles and piling elements. M. M. Upson. No. 1,088,946; Mar. 3; Gaz. vol. 200; p. 94.
- Concrete piles in place, Forming. W. R. Phillips. No. 1,104,703; July 21; Gaz. vol. 204; p. 948.

Alphabetical list of inventions—Continued.

- Concrete piling, Incased-. W. N. Stevens. No. 1,087,334; Feb. 17; Gaz. vol. 199; p. 706.
- Concrete pipe, Machine for making. H. E. Marsh. No. 1,084,158; Jan. 13; Gaz. vol. 198; p. 328.
- Concrete-pipe-making machine. V. V. Messer. No. 1,112,638; Oct. 6; Gaz. vol. 207; p. 81.
- Concrete pipe, Manufacture of. A. M. Hirsh and J. C. Mitchell. No. 1,102,584; July 7; Gaz. vol. 204; p. 128.
- Concrete-pipe mold. F. N. Cronholm. No. 1,103,270; July 14; Gaz. vol. 204; p. 412.
- Concrete pipes, Center core for. L. Y. Stayton. No. 1,120,102; Dec. 8; Gaz. vol. 209; p. 449.
- Concrete pipes, Collapsible core for. C. F. Massey. No. 1,101,204; June 23; Gaz. vol. 203; p. 1109.
- Concrete post and similar structure. A. J. Compton. No. 1,111,646; Sept. 22; Gaz. vol. 206; p. 1106.
- Concrete-post form, Standing. J. L. McGee. No. 1,119,711; Dec. 1; Gaz. vol. 209; p. 279.
- Concrete pressure-pipes, Manufacturing reinforced-. G. Rae. No. 1,107,235; Aug. 11; Gaz. vol. 205; p. 620.
- Concrete-pump. C. A. Cornell and S. E. McKee. No. 1,093,916; Apr. 21; Gaz. vol. 201; p. 686.
- Concrete railway-tie. R. T. Bagby. No. 1,086,981; Feb. 10; Gaz. vol. 199; p. 533.
- Concrete railway-tie, Reinforced-. H. Wilkins. No. 1,089,301; Mar. 3; Gaz. vol. 200; p. 214.
- Concrete-reinforcement. J. F. Golding. No. 1,120,928; Dec. 15; Gaz. vol. 209; p. 790.
- Concrete-reinforcing bar. P. H. Kane. No. 1,100,742; June 23; Gaz. vol. 203; p. 947.
- Concrete-reinforcing bars, Support and tie for. G. R. Schoenthaler. No. 1,086,732; Feb. 10; Gaz. vol. 199; p. 447.
- Concrete-reinforcing bars, Support and tie for. G. R. Schoenthaler. No. 1,119,123; Dec. 1; Gaz. vol. 209; p. 78.
- Concrete roadways, Metal reinforcement for. F. P. Obenaur. No. 1,121,533; Dec. 15; Gaz. vol. 209; p. 998.
- Concrete roadways, pavements, and the like, Apparatus for laying. E. L. Ransome. No. 1,090,229; Mar. 17; Gaz. vol. 200; p. 623.
- Concrete sheet-pile, Reinforced-. B. Victor. No. 1,083,570; Jan. 6; Gaz. vol. 198; p. 103.
- Concrete shelter, Reinforced-. H. S. Taft. No. 1,106,063; Aug. 4; Gaz. vol. 205; p. 167.
- Concrete silo. W. A. Hillman. No. 1,086,295; Feb. 3; Gaz. vol. 199; p. 250.
- Concrete silo. A. J. Stoesser. No. 1,087,697; Feb. 17; Gaz. vol. 199; p. 835.
- Concrete sluice-mold. B. B. McDowell. No. 1,086,197; Feb. 3; Gaz. vol. 199; p. 218.
- Concrete-stave-making mold. L. C. Covault and J. D. Reese. No. 1,113,957; Oct. 20; Gaz. vol. 207; p. 622.
- Concrete, Stirrup for reinforced. A. Atkinson. No. 1,110,416; Sept. 15; Gaz. vol. 206; p. 635.
- Concrete structure. C. B. Grady. No. 1,102,580; July 7; Gaz. vol. 204; p. 126.
- Concrete structure. L. G. Haase. No. 1,087,366; Feb. 17; Gaz. vol. 199; p. 718.
- Concrete structure and making same. J. B. Marsh. No. 1,086,678; Feb. 10; Gaz. vol. 199; p. 428.
- Concrete-structure mold. J. Robertson. No. 1,117,519; Nov. 17; Gaz. vol. 208; p. 795.
- Concrete structures, Anchoring device for use in connection with. A. P. Lohmann. No. 1,090,486; Mar. 17; Gaz. vol. 200; p. 715.
- Concrete structures, Combined reinforce and mold-support for. H. Fuehrer. No. 1,097,796; May 26; Gaz. vol. 202; p. 1026.
- Concrete structures, Core-mold for. W. H. Evers. No. 1,099,171; June 9; Gaz. vol. 203; p. 317.
- Concrete structures, Expansion-joint for. J. F. Le Baron. No. 1,090,158; Mar. 17; Gaz. vol. 200; p. 599.
- Concrete structures, Form for. G. N. Meserve. No. 1,119,712; Dec. 1; Gaz. vol. 209; p. 279.
- Concrete structures, Form for. J. S. O'Keiff. No. 1,100,488; June 16; Gaz. vol. 203; p. 808.
- Concrete structures, Hardening. S. W. Flesheim. No. 1,113,112; Oct. 6; Gaz. vol. 207; p. 241.
- Concrete structures, Mold for forming sunken. R. H. Bolen. No. 1,089,184; Mar. 3; Gaz. vol. 200; p. 178.
- Concrete structures, Mold for making. L. K. Van Horn. No. 1,120,569; Dec. 8; Gaz. vol. 209; p. 615.
- Concrete structures, Tying and supporting device for reinforcing-wires of. D. A. Wedmore. No. 1,099,679; June 9; Gaz. vol. 203; p. 493.
- Concrete-tamper. C. L. McKesson. No. 1,096,445; May 12; Gaz. vol. 202; p. 469.
- Concrete tie, Reinforced-. A. E. Parmeter. No. 1,096,746; May 12; Gaz. vol. 202; p. 570.
- Concrete tile for building construction. L. D. Harter. No. 1,086,821; Feb. 10; Gaz. vol. 199; p. 479.
- Concrete wall construction. G. S. Mumford. No. 1,107,200; Aug. 11; Gaz. vol. 205; p. 607.
- Concrete-wall mold. G. Miller. No. 1,090,488; Mar. 17; Gaz. vol. 200; p. 716.
- Concrete walls, Apparatus for casting. G. S. Mumford. No. 1,122,982; Dec. 29; Gaz. vol. 209; p. 1579.
- Concrete walls, Apparatus for constructing. G. S. Mumford. No. 1,122,983; Dec. 29; Gaz. vol. 209; p. 1580.
- Concrete walls *in situ*, Apparatus for molding. G. Clark. No. 1,101,484; June 23; Gaz. vol. 203; p. 1205.
- Concrete walls, Making. G. S. Mumford. No. 1,096,792; May 12; Gaz. vol. 202; p. 585.
- Concrete, Waterproofing. A. E. Horn. No. 1,088,022; Feb. 24; Gaz. vol. 199; p. 994.
- Concrete work, Anchor for. A. P. Lohmann. No. 1,110,806; Sept. 15; Gaz. vol. 206; p. 771.
- Concrete-work hanger. A. T. McAllister and H. Dippel. No. 1,088,290; Feb. 24; Gaz. vol. 199; p. 1085.
- Concrete work, Mold units and mold for. C. P. Wetmore. No. 1,121,056; Dec. 15; Gaz. vol. 209; p. 835.
- Condensation-meter. J. C. Hornung. No. 1,114,360; Oct. 20; Gaz. vol. 207; p. 764.
- Condensation product and treating the same. M. J. Callahan. No. 1,108,329; Aug. 25; Gaz. vol. 205; p. 1100.
- Condensation-remover. W. E. Zierden. No. 1,116,196; Nov. 3; Gaz. vol. 208; p. 249.
- Condenser. H. L. Borchers. No. 1,117,161; Nov. 17; Gaz. vol. 208; p. 667.
- Condenser. R. N. Ehrhart. No. 1,116,042; Nov. 3; Gaz. vol. 208; p. 197.
- Condenser. A. Fischer. No. 1,109,745; Sept. 8; Gaz. vol. 206; p. 355.
- Condenser. P. J. Leyendecker. No. 1,109,434; Sept. 1; Gaz. vol. 206; p. 205.
- Condenser. P. J. Leyendecker. No. 1,109,435; Sept. 1; Gaz. vol. 206; p. 205.
- Condenser. G. C. Sutton, I. W. Crowl, and J. O. Hamberg. No. 1,111,242; Sept. 22; Gaz. vol. 206; p. 967.
- Condenser. P. Thomas. No. 1,112,397; Sept. 29; Gaz. vol. 206; p. 1403.
- Condenser. R. D. Tomlinson. No. 1,085,182; Jan. 27; Gaz. vol. 198; p. 738.
- Condenser. G. L. Vail. No. 1,103,386; July 14; Gaz. vol. 204; p. 450.
- Condenser and reboiler, Combined. P. H. Sellers. No. 1,109,794; Sept. 8; Gaz. vol. 206; p. 370.
- Condenser and steam-generator, Distillate-. C. L. Suhr. No. 1,122,169; Dec. 22; Gaz. vol. 209; p. 1256.
- Condenser, Automatic. G. P. Carroll and F. N. Roehrich. No. 1,115,502; Nov. 3; Gaz. vol. 208; p. 12.
- Condenser, Electrical. J. W. Aylsworth. No. 1,111,289; Sept. 22; Gaz. vol. 206; p. 982.
- Condenser for steam-exhaust pipes, Exhaust-. J. M. Searle. No. 1,110,461; Sept. 15; Gaz. vol. 206; p. 651.
- Condenser for steam-heating systems. T. P. Canfield. No. 1,115,501; Nov. 3; Gaz. vol. 208; p. 12.
- Condenser, Jet-. O. S. Sleeper. No. 1,115,980; Nov. 3; Gaz. vol. 208; p. 176.
- Condenser, Lap-head. T. O'Connell. No. 1,118,305; Nov. 24; Gaz. vol. 208; p. 1108.
- Condenser or absorber, Rotary. G. B. Baskerville, Jr. No. 1,110,035; Sept. 8; Gaz. vol. 206; p. 458.
- Condenser, Steam-. L. R. Alberger. No. 1,102,380; July 7; Gaz. vol. 204; p. 55.
- Condenser, Surface. E. W. Christie. No. 1,105,320; July 28; Gaz. vol. 204; p. 1212.
- Condenser, Vapor-. G. M. Hilger. No. 1,105,430; July 28; Gaz. vol. 204; p. 1253.
- Condenser, Variable mercury-. R. San Martin. No. 1,108,793; Aug. 25; Gaz. vol. 205; p. 1258.
- Condenser, Zinc-vapor. M. Appel. No. 1,103,123; July 14; Gaz. vol. 204; p. 361.
- Condensing apparatus. P. A. Bancel. No. 1,114,333; Oct. 20; Gaz. vol. 207; p. 755.
- Condensing apparatus. R. T. Hapgood. No. 1,086,767; Feb. 10; Gaz. vol. 199; p. 460.
- Condensing apparatus. C. A. Parsons and S. S. Cook. No. 1,102,071; June 30; Gaz. vol. 203; p. 1462.
- Condensing apparatus, Steam-. D. B. Morison. No. 1,083,374; Jan. 6; Gaz. vol. 198; p. 38.
- Condiment-holder. C. G. Colver. No. 1,095,082; Apr. 28; Gaz. vol. 201; p. 1144.
- Condiment-holder. L. T. Dean. No. 1,119,070; Dec. 1; Gaz. vol. 209; p. 61.
- Condiment-holder. N. W. Eu Daly. No. 1,083,320; Jan. 6; Gaz. vol. 198; p. 21.
- Condiment-holder. E. F. Flanagan. No. 1,110,383; Sept. 15; Gaz. vol. 206; p. 622.
- Condiment-holder. W. B. Herring. No. 1,097,717; May 26; Gaz. vol. 202; p. 996.
- Condiment-holder. C. Ritter. No. 1,114,807; Oct. 27; Gaz. vol. 207; p. 973.
- Condiment-holders and the like, Closure for. C. A. Conger. No. 1,102,879; July 7; Gaz. vol. 204; p. 229.
- Conductor-clamp. M. G. Kennedy. No. 1,101,802; June 30; Gaz. vol. 203; p. 1366.
- Conductor, Flexible. D. T. May. No. 1,116,090; Nov. 3; Gaz. vol. 208; p. 214.
- Conductor-hook. G. Flagge. No. 1,109,568; Sept. 1; Gaz. vol. 206; p. 248.
- Conductor-post. C. Schuster. No. 1,086,623; Feb. 10; Gaz. vol. 199; p. 410.
- Conductors, Manufacture of non-oxidizing. O. Linder. No. 1,104,054; July 21; Gaz. vol. 204; p. 724.
- Conductors, Protective device for sheathed. T. E. Murray. No. 1,103,983; July 21; Gaz. vol. 204; p. 700.
- Conduit. C. J. Alpaugh. No. 1,094,109; Apr. 21; Gaz. vol. 201; p. 750.

Alphabetical list of inventions—Continued.

- Conduit. E. M. Campfield. No. 1,092,893; Apr. 14; Gaz. vol. 201; p. 299.
- Conduit. A. E. Duram and F. B. Hoff. No. 1,095,315; May 5; Gaz. vol. 202; p. 49.
- Conduit coupling Electrical. A. C. Proudft. No. 1,103,220; July 14; Gaz. vol. 204; p. 396.
- Conduit for sifting-machines, &c., Flexible. J. A. McPhayden. No. 1,101,561; June 30; Gaz. vol. 203; p. 1283.
- Conduit-mold. T. De La Mare. No. 1,118,558; Nov. 24; Gaz. vol. 208; p. 1200.
- Conduit or pipe bender. C. Ross. No. 1,118,056; Nov. 24; Gaz. vol. 208; p. 1023.
- Conduit or conductor, Armored. G. A. Lutz. No. 1,095,648; May 5; Gaz. vol. 202; p. 162.
- Conduit or pipe and treating the same. P. McIlroy. No. 1,120,731; Dec. 15; Gaz. vol. 209; p. 720.
- Conduit, Sectional. E. M. Campfield. No. 1,093,766; Apr. 21; Gaz. vol. 201; p. 634.
- Conduit, Sectional. D. D. Tracy. No. 1,092,311; Apr. 7; Gaz. vol. 201; p. 66.
- Conduit, Separable earthen insulating pipe. W. B. Gray. No. 1,110,127; Sept. 8; Gaz. vol. 206; p. 493.
- Conduit, Separable insulating earthen. W. B. Gray. No. 1,110,129; Sept. 8; Gaz. vol. 206; p. 494.
- Conduit-wiring device. N. J. Bigham. No. 1,107,250; Aug. 18; Gaz. vol. 205; p. 673.
- Conduits, Manufacturing tubular. W. C. Robinson. No. 1,111,806; Sept. 29; Gaz. vol. 206; p. 1199.
- Cone-carrier. C. A. Foster. No. 1,108,432; Aug. 25; Gaz. vol. 205; p. 1135.
- Cone-classifier. S. C. Buchanan. No. 1,115,897; Nov. 3; Gaz. vol. 208; p. 146.
- Cone-gage. S. H. Dixon. No. 1,122,083; Dec. 22; Gaz. vol. 209; p. 1229.
- Cone nesting and stacking mechanism. F. A. Bruckman. No. 1,091,730; Mar. 31; Gaz. vol. 200; p. 1211.
- Confection. W. J. Swartz. No. 1,087,335; Feb. 17; Gaz. vol. 199; p. 707.
- Confection-filling apparatus. B. A. Laws, J. McElwain, and M. M. Laird. No. 1,118,362; Nov. 24; Gaz. vol. 208; p. 1129.
- Confections, Making. J. L. Kellogg. No. 1,110,267; Sept. 8; Gaz. vol. 206; p. 541.
- Confectionery-box. W. C. Carlson. No. 1,104,344; July 21; Gaz. vol. 204; p. 824.
- Confectionery-dropping machine. W. Hoelderlin. No. 1,117,573; Nov. 17; Gaz. vol. 208; p. 813.
- Confectionery, Hand-tool for ornamenting. F. H. Schaub. No. 1,100,918; June 23; Gaz. vol. 203; p. 1010.
- Confectionery-machine. E. J. Brach. No. 1,093,380; Apr. 14; Gaz. vol. 201; p. 467.
- Confetti and the like, Pneumatic projector for. T. G. Redington and J. L. E. Pell. No. 1,122,421; Dec. 29; Gaz. vol. 209; p. 1381.
- Confetti-bomb. H. T. Clark. No. 1,090,778; Mar. 17; Gaz. vol. 200; p. 811.
- Confetti cartridge and gun. G. W. Hartman. No. 1,113,338; Oct. 13; Gaz. vol. 207; p. 366.
- Connecting-block for knockdown structures. L. O. Blomqvist. No. 1,114,336; Oct. 20; Gaz. vol. 207; p. 756.
- Connecting device. F. H. Chapman and O. E. Kinney. No. 1,086,587; Feb. 10; Gaz. vol. 199; p. 398.
- Connecting device. F. H. Chapman and O. E. Kinney. No. 1,086,588; Feb. 10; Gaz. vol. 199; p. 398.
- Connecting device. M. R. Cowell. No. 1,107,497; Aug. 18; Gaz. vol. 205; p. 761.
- Connecting device. T. E. Murray. No. 1,103,991; July 21; Gaz. vol. 204; p. 702.
- Connecting-rod. J. Mills. No. 1,102,782; July 7; Gaz. vol. 204; p. 196.
- Connecting-rod. G. T. Strite. No. 1,092,118; Mar. 31; Gaz. vol. 200; p. 1344.
- Connecting-rods, Apparatus for babbitting. W. L. and I. D. Fifield. No. 1,121,342; Dec. 15; Gaz. vol. 209; p. 934.
- Connection-cutter. T. G. Plant. No. 1,109,176; Sept. 1; Gaz. vol. 206; p. 114.
- Connector. W. C. Banks. No. 1,111,782; Sept. 29; Gaz. vol. 206; p. 1190.
- Connector. G. S. Day. No. 1,105,889; Aug. 4; Gaz. vol. 205; p. 105.
- Connector. C. E. Godley. No. 1,108,165; Aug. 25; Gaz. vol. 205; p. 1042.
- Connector. W. P. Hammond. No. 1,086,820; Feb. 10; Gaz. vol. 199; p. 479.
- Connector. J. F. Mennigen. No. 1,104,436; July 21; Gaz. vol. 204; p. 854.
- Connector. L. C. Nichols. No. 1,092,589; Apr. 7; Gaz. vol. 201; p. 161.
- Connector. L. C. Nichols. No. 1,106,053; Aug. 4; Gaz. vol. 205; p. 164.
- Connector. J. L. K. Sorensen and H. A. Wimperis. No. 1,083,416; Jan. 6; Gaz. vol. 198; p. 54.
- Connector, Test. F. R. Parker. No. 1,122,028; Dec. 22; Gaz. vol. 209; p. 1211.
- Constant-discharge gage. J. A. G. Harrison. No. 1,107,065; Aug. 11; Gaz. vol. 205; p. 558.
- Constant-level lubricator. E. E. Hans. No. 1,105,773; Aug. 4; Gaz. vol. 205; p. 66.
- Constant-output generator. E. Rosenberg. No. 1,084,365; Jan. 13; Gaz. vol. 198; p. 397.
- Construction-box. S. Koff. No. 1,119,085; Dec. 1; Gaz. vol. 209; p. 65.
- Construction member. A. Hopkins. No. 1,092,217; Apr. 7; Gaz. vol. 201; p. 32.
- Contact-holder. A. Sundh. No. 1,083,418; Jan. 6; Gaz. vol. 198; p. 54.
- Contact-interrupter. A. H. Maitre and V. H. Martin. No. 1,106,230; Aug. 4; Gaz. vol. 205; p. 223.
- Contact-making mechanism. C. I. Hall. No. 1,101,540; June 30; Gaz. vol. 203; p. 1275.
- Contact-making mechanism. C. I. Hall. No. 1,120,712; Dec. 15; Gaz. vol. 209; p. 714.
- Contact-making voltmeter. H. A. Laycock. No. 1,119,616; Dec. 1; Gaz. vol. 209; p. 247.
- Contact member, Movable. E. M. Jones. No. 1,109,587; Sept. 1; Gaz. vol. 206; p. 255.
- Contact-point. J. F. Cadell. No. 1,105,399; July 28; Gaz. vol. 204; p. 1242.
- Contact-switch, Door. A. Kielblock and H. Dittmann. No. 1,103,883; July 14; Gaz. vol. 204; p. 624.
- Container. C. J. Allers. No. 1,111,552; Sept. 22; Gaz. vol. 206; p. 1072.
- Container. C. Decker. No. 1,122,196; Dec. 22; Gaz. vol. 209; p. 1266.
- Container. D. Doggett. No. 1,092,902; Apr. 14; Gaz. vol. 201; p. 302.
- Container. A. L. Field. No. 1,120,296; Dec. 8; Gaz. vol. 209; p. 518.
- Container. M. Karp. No. 1,103,674; July 14; Gaz. vol. 204; p. 555.
- Container. H. W. Lewis. No. 1,122,513; Dec. 29; Gaz. vol. 209; p. 1413.
- Container. G. S. Mahn. No. 1,104,366; July 21; Gaz. vol. 204; p. 831.
- Container. B. C. Rockwell. No. 1,089,586; Mar. 10; Gaz. vol. 200; p. 361.
- Container. C. W. Shevlin. No. 1,106,004; Aug. 4; Gaz. vol. 205; p. 146.
- Container. C. W. Shevlin. No. 1,106,005; Aug. 4; Gaz. vol. 205; p. 146.
- Container. H. Uffner. No. 1,108,281; Aug. 25; Gaz. vol. 205; p. 1083.
- Container. D. J. Vandyke. No. 1,104,852; July 28; Gaz. vol. 204; p. 1049.
- Container and a photographic recording-label, Combination of a. C. H. Davids. No. 1,095,313; May 5; Gaz. vol. 202; p. 48.
- Container and burner, Combined. J. M. Schutz. No. 1,117,452; Nov. 17; Gaz. vol. 208; p. 771.
- Container-closure. K. Kiefer. No. 1,103,054; July 14; Gaz. vol. 204; p. 336.
- Container, Collapsible. A. Melleck. No. 1,116,460; Nov. 10; Gaz. vol. 208; p. 379.
- Container, Collapsible-tube. J. G. Fitchett. No. 1,122,096; Dec. 22; Gaz. vol. 209; p. 1234.
- Container-cover. J. H. Astruck. No. 1,096,343; May 12; Gaz. vol. 202; p. 437.
- Container, Double-walled. C. F. Potter. No. 1,093,648; Apr. 21; Gaz. vol. 201; p. 595.
- Container, Flexible. S. R. Van Patten. No. 1,087,702; Feb. 17; Gaz. vol. 199; p. 837.
- Container for adhesives and the like. J. M. Boone. No. 1,119,233; Dec. 1; Gaz. vol. 209; p. 115.
- Container having appliance for discharging the contents thereof. G. Bähr and H. Dobesch. No. 1,093,965; Apr. 21; Gaz. vol. 201; p. 701.
- Container, Liquid. A. M. Clark. No. 1,084,609; Jan. 20; Gaz. vol. 198; p. 505.
- Container member. I. Naylor and H. B. Ruggles. No. 1,085,091; Jan. 20; Gaz. vol. 198; p. 669.
- Container, Metallic. P. D. Ham. No. 1,111,576; Sept. 22; Gaz. vol. 206; p. 1081.
- Container, Portable. H. Ariens. (Reissue.) No. 13,813; Oct. 27; Gaz. vol. 207; p. 1207.
- Container-stopper. E. S. Hopson. No. 1,083,327; Jan. 6; Gaz. vol. 198; p. 23.
- Containers, Means for facilitating the opening of. E. C. Austin. No. 1,103,859; July 14; Gaz. vol. 204; p. 616.
- Containers, Safety appliance for. S. N. North. No. 1,118,573; Nov. 24; Gaz. vol. 208; p. 1205.
- Continuous kiln, Double-stair-grate. A. W. F. Weyers. No. 1,102,970; July 7; Gaz. vol. 204; p. 258.
- Continuous kiln for burning clayware. L. N. Legg. No. 1,085,448; Jan. 27; Gaz. vol. 198; p. 829.
- Continuous kiln, Gas-fired. P. Schwarz. No. 1,104,836; July 28; Gaz. vol. 204; p. 1043.
- Control apparatus. W. M. Scott. No. 1,100,786; June 23; Gaz. vol. 203; p. 963.
- Control, Automatic feed, quick-traverse, and reverse. S. Einstein. No. 1,092,479; Apr. 7; Gaz. vol. 201; p. 124.
- Control device, Unit. F. E. Sperry. No. 1,095,530; May 5; Gaz. vol. 202; p. 123.
- Control-lock. W. MacGlashan. No. 1,113,230; Oct. 13; Gaz. vol. 207; p. 327.
- Control mechanism. F. E. Baker. No. 1,120,664; Dec. 15; Gaz. vol. 209; p. 697.

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- Control mechanism. L. F. Goodspeed. No. 1,101,692; June 30; Gaz. vol. 203; p. 1328.
- Control-spring. R. Miller, Jr. No. 1,098,956; June 2; Gaz. vol. 203; p. 203.
- Control system. H. L. Beach. No. 1,119,390; Dec. 1; Gaz. vol. 209; p. 170.
- Control system. L. Dreyfus. No. 1,087,355; Feb. 17; Gaz. vol. 199; p. 713.
- Control system. H. A. Laycock. No. 1,109,235; Sept. 1; Gaz. vol. 206; p. 134.
- Control system. H. Maxwell. No. 1,089,659; Mar. 10; Gaz. vol. 200; p. 386.
- Control system. H. O. Rugh. No. 1,105,843; Aug. 4; Gaz. vol. 205; p. 90.
- Control system. N. Wilkinson. No. 1,121,544; Dec. 15; Gaz. vol. 209; p. 1003.
- Control system, Remote. W. M. Scott. No. 1,106,116; Aug. 4; Gaz. vol. 205; p. 186.
- Control system, Remote. W. M. Scott. No. 1,108,253; Aug. 25; Gaz. vol. 205; p. 1074.
- Control system, Remote. W. M. Scott. No. 1,108,254; Aug. 25; Gaz. vol. 205; p. 1074.
- Control system, Selective. J. H. Hammond, Jr. No. 1,098,379; June 2; Gaz. vol. 203; p. 8.
- Control system, Series-parallel. E. R. Carichoff. No. 1,110,039; Sept. 8; Gaz. vol. 206; p. 459.
- Control, Variable exhaust. J. K. Deem. No. 1,110,046; Sept. 8; Gaz. vol. 206; p. 462.
- Controller. H. E. Goldberg. No. 1,117,184; Nov. 17; Gaz. vol. 208; p. 676.
- Controller. C. A. Jacobson. No. 1,100,134; June 16; Gaz. vol. 203; p. 686.
- Controller. A. J. Loguin. No. 1,087,170; Feb. 17; Gaz. vol. 199; p. 648.
- Controller. L. L. Tatum. No. 1,101,669; June 30; Gaz. vol. 203; p. 1320.
- Controller and accelerator, Throttle-lever-operated. C. E. Morris. No. 1,103,151; July 14; Gaz. vol. 204; p. 371.
- Controller attachment. G. C. Ludgate. No. 1,083,842; Jan. 6; Gaz. vol. 198; p. 191.
- Controlling device. N. C. Durand. No. 1,106,443; Aug. 11; Gaz. vol. 205; p. 340.
- Controller-regulator. H. Elbe. No. 1,085,854; Feb. 3; Gaz. vol. 199; p. 98.
- Controllers, controllers, and parts thereof, Making. E. Gruenfeldt. No. 1,119,012; Dec. 1; Gaz. vol. 209; p. 39.
- Controlling apparatus. N. Joleen. No. 1,117,394; Nov. 17; Gaz. vol. 208; p. 752.
- Controlling device. A. E. Norris. No. 1,088,293; Feb. 24; Gaz. vol. 199; p. 1086.
- Controlling device. P. H. Zimmer. No. 1,086,431; Feb. 10; Gaz. vol. 199; p. 342.
- Controlling device, Automatic. J. H. Vander Veer. No. 1,113,388; Oct. 13; Gaz. vol. 207; p. 384.
- Controlling device, Timed. W. I. Hoopes, Jr. No. 1,118,772; Nov. 24; Gaz. vol. 208; p. 1271.
- Controlling from a distant point the operation of a mechanism or instrument. C. Berger. No. 1,116,870; Nov. 10; Gaz. vol. 208; p. 528.
- Controlling mechanism. W. W. Cameron. No. 1,093,827; Apr. 21; Gaz. vol. 201; p. 656.
- Controlling mechanism. A. L. Hahl. No. 1,098,495; June 2; Gaz. vol. 203; p. 48.
- Controlling mechanism. E. R. Hewitt. No. 1,110,542; Sept. 15; Gaz. vol. 206; p. 678.
- Controlling mechanism. A. R. Murray. No. 1,114,793; Oct. 27; Gaz. vol. 207; p. 969.
- Controlling mechanism. H. C. Nicholas. No. 1,116,908; Nov. 10; Gaz. vol. 208; p. 541.
- Controlling mechanism. E. J. F. Rea and C. E. Clark. No. 1,084,295; Jan. 13; Gaz. vol. 198; p. 373.
- Converter. J. V. Breaud. No. 1,088,401; Feb. 24; Gaz. vol. 199; p. 1122.
- Converter. C. Krämer. No. 1,096,923; May 19; Gaz. vol. 202; p. 675.
- Converter, Rotary. S. M. Burk. No. 1,098,557; June 2; Gaz. vol. 203; p. 71.
- Converter, Rotary. V. A. Fynn. No. 1,103,192; July 14; Gaz. vol. 204; p. 386.
- Converters, Apparatus for operating vapor-. P. C. Hewitt. No. 1,091,223; Mar. 24; Gaz. vol. 200; p. 998.
- Converters, Core for lining. J. Baillot. No. 1,108,880; Sept. 1; Gaz. vol. 206; p. 5.
- Convertible chair. H. J. Davidson. No. 1,113,960; Oct. 20; Gaz. vol. 207; p. 623.
- Convertible chair. I. Rheinstrom. No. 1,086,856; Feb. 10; Gaz. vol. 199; p. 493.
- Convertible motor and pump. C. F. Buckland. No. 1,086,803; Feb. 10; Gaz. vol. 199; p. 474.
- Convertible motor and pump. E. R. Sloan. No. 1,085,761; Feb. 3; Gaz. vol. 199; p. 66.
- Convertible press. A. A. Longaker. No. 1,114,708; Oct. 20; Gaz. vol. 207; p. 886.
- Convertible table. J. M. Duchez. No. 1,103,869; July 14; Gaz. vol. 204; p. 620.
- Convertible wheel for military and other trucks. A. C. G. Williams-Foote. No. 1,110,307; Sept. 8; Gaz. vol. 206; p. 556.
- Conveyer. M. U. Bernheim. No. 1,086,886; Feb. 10; Gaz. vol. 199; p. 502.
- Conveyer. M. U. Bernheim. No. 1,106,618; Aug. 11; Gaz. vol. 205; p. 406.
- Conveyer. F. C. Blair. No. 1,117,311; Nov. 17; Gaz. vol. 208; p. 723.
- Conveyer. A. Burgess, J. G. and M. O. Rehffuss. No. 1,085,538; Jan. 27; Gaz. vol. 198; p. 858.
- Conveyer. F. W. Burpee. No. 1,110,480; Sept. 15; Gaz. vol. 206; p. 658.
- Conveyer. H. T. Clark. No. 1,090,777; Mar. 17; Gaz. vol. 200; p. 810.
- Conveyer. J. A. Dailey. No. 1,108,713; Aug. 25; Gaz. vol. 205; p. 1232.
- Conveyer. G. M. Depew. No. 1,094,780; Apr. 28; Gaz. vol. 201; p. 1041.
- Conveyer. P. G. and B. I. Donald. No. 1,112,440; Oct. 6; Gaz. vol. 207; p. 9.
- Conveyer. J. J. Friel. No. 1,109,284; Sept. 1; Gaz. vol. 206; p. 152.
- Conveyer. C. W. F. Hansen. No. 1,096,713; May 12; Gaz. vol. 202; p. 558.
- Conveyer. J. R. Harrison. No. 1,109,986; Sept. 8; Gaz. vol. 206; p. 441.
- Conveyer. C. Kern. No. 1,096,509; May 12; Gaz. vol. 202; p. 491.
- Conveyer. E. J. Quinn and J. M. Malley. No. 1,114,037; Oct. 20; Gaz. vol. 207; p. 648.
- Conveyer. J. W. Reno. No. 1,092,394; Apr. 7; Gaz. vol. 201; p. 93.
- Conveyer. J. W. Reno. No. 1,112,836; Oct. 6; Gaz. vol. 207; p. 149.
- Conveyer. G. Schuler. No. 1,106,736; Aug. 11; Gaz. vol. 205; p. 446.
- Conveyer. C. D. Seeberger. No. 1,087,893; Feb. 17; Gaz. vol. 199; p. 900.
- Conveyer. M. Sklovsky and G. W. Mixter. No. 1,090,948; Mar. 24; Gaz. vol. 200; p. 902.
- Conveyer. W. J. Turnbull. No. 1,112,947; Oct. 6; Gaz. vol. 207; p. 186.
- Conveyer. C. Watson. No. 1,095,441; May 5; Gaz. vol. 202; p. 91.
- Conveyer. A. Wilford. No. 1,094,508; Apr. 28; Gaz. vol. 201; p. 943.
- Conveyer. D. T. Williams. No. 1,099,956; June 16; Gaz. vol. 203; p. 624.
- Conveyer. H. E. Williams. No. 1,095,255; May 5; Gaz. vol. 202; p. 28.
- Conveyer-apron. W. Studer. No. 1,087,848; Feb. 17; Gaz. vol. 199; p. 885.
- Conveyer, Automatic-dumping. W. E. Walsh. No. 1,104,232; July 21; Gaz. vol. 204; p. 784.
- Conveyer, Bucket. M. A. Kendall. No. 1,090,156; Mar. 17; Gaz. vol. 200; p. 598.
- Conveyer, Bucket. H. Zublin. No. 1,117,939; Nov. 17; Gaz. vol. 208; p. 941.
- Conveyer-chain. D. Fraser. No. 1,119,262; Dec. 1; Gaz. vol. 209; p. 124.
- Conveyer, Chain. O. Schmidt. No. 1,104,708; July 21; Gaz. vol. 204; p. 949.
- Conveyer, Endless. R. W. Norton. No. 1,108,386; Aug. 25; Gaz. vol. 205; p. 1120.
- Conveyer, Endless-belt. R. W. Vail. No. 1,103,635; July 14; Gaz. vol. 204; p. 539.
- Conveyer-flight. F. E. Klunker. No. 1,121,511; Dec. 15; Gaz. vol. 209; p. 992.
- Conveyer for sheets of material. F. Rudolphi. No. 1,104,548; July 21; Gaz. vol. 204; p. 897.
- Conveyer for unloading cotton or the like. J. B. Blessing. No. 1,110,104; Sept. 8; Gaz. vol. 206; p. 484.
- Conveyer, Gravity-. H. B. Crum. No. 1,089,537; Mar. 10; Gaz. vol. 200; p. 345.
- Conveyer, Helical. G. M. Porter. No. 1,113,688; Oct. 13; Gaz. vol. 207; p. 488.
- Conveyer mechanism. C. F. Burch. No. 1,122,365; Dec. 29; Gaz. vol. 209; p. 1363.
- Conveyer or feeding apparatus, Automatic. A. Bartels and O. Miech. No. 1,093,523; Apr. 14; Gaz. vol. 201; p. 510.
- Conveyer-roll guard. A. G. J. Rapp. No. 1,116,737; Nov. 10; Gaz. vol. 208; p. 481.
- Conveyer, Roller-. J. A. Alvey. No. 1,095,445; May 5; Gaz. vol. 202; p. 93.
- Conveyer, Selective delivery-. H. D. Pratt. No. 1,098,970; June 2; Gaz. vol. 203; p. 208.
- Conveyer, Slat. W. J. Turnbull. No. 1,112,948; Oct. 6; Gaz. vol. 207; p. 187.
- Conveyer system. C. D. Seeberger. No. 1,095,361; May 5; Gaz. vol. 202; p. 64.
- Conveyer-transfer. H. Hildenbrand. No. 1,090,713; Mar. 17; Gaz. vol. 200; p. 790.
- Conveyers, Automatic transfer mechanism for. L. D. Manchester. No. 1,112,816; Oct. 6; Gaz. vol. 207; p. 142.
- Conveyers, Combined link and block for. V. K. Horn. No. 1,087,905; Feb. 17; Gaz. vol. 199; p. 904.
- Conveyers, Elbow for pneumatic. G. E. Lob. No. 1,108,918; Sept. 1; Gaz. vol. 206; p. 20.
- Conveyers, Guide-rollers for overhead. S. H. Libby. No. 1,119,762; Dec. 1; Gaz. vol. 209; p. 294.
- Conveyers, Hand-rail for. R. Pitt. No. 1,101,209; June 23; Gaz. vol. 203; p. 1111.

Alphabetical list of inventions—Continued.

- Conveyers, Regulating-hopper for. J. W. Bragst d. No. 1,096,149; May 12; Gaz. vol. 202; p. 368.
- Conveying and feeding mechanism. F. Wegner. No. 1,085,774; Feb. 3; Gaz. vol. 199; p. 71.
- Conveying apparatus. C. P. Bossert. No. 1,101,613; June 30; Gaz. vol. 203; p. 1301.
- Conveying apparatus. J. H. Gilman. No. 1,086,522; Feb. 10; Gaz. vol. 199; p. 374.
- Conveying apparatus. J. A. Pitt. No. 1,084,108; Jan. 13; Gaz. vol. 198; p. 312.
- Conveying device, Pneumatic. W. W. Wotherspoon. No. 1,116,862; Nov. 10; Gaz. vol. 208; p. 526.
- Conveying system. G. Tollefson. No. 1,103,709; July 14; Gaz. vol. 204; p. 566.
- Cooker. A. P. Boyer. No. 1,111,130; Sept. 22; Gaz. vol. 206; p. 927.
- Cooker. F. V. Detwiler. No. 1,106,634; Aug. 11; Gaz. vol. 205; p. 411.
- Cooker. A. J. Keast. No. 1,104,425; July 21; Gaz. vol. 204; p. 851.
- Cooker. P. A. McCaskey. No. 1,093,003; Apr. 14; Gaz. vol. 201; p. 336.
- Cooker. L. D. Ricker. No. 1,121,401; Dec. 15; Gaz. vol. 209; p. 954.
- Cooker. R. W. Ryon. No. 1,086,940; Feb. 10; Gaz. vol. 199; p. 520.
- Cooker. S. Sauvage. No. 1,087,402; Feb. 17; Gaz. vol. 199; p. 730.
- Cooker. R. A. Trace. No. 1,106,597; Aug. 11; Gaz. vol. 205; p. 399.
- Cooker and the like, Steam-. M. W. Faherty. No. 1,112,127; Sept. 29; Gaz. vol. 206; p. 1306.
- Cooker, Combination-. C. Davenport. No. 1,091,636; Mar. 31; Gaz. vol. 200; p. 1178.
- Cooker, Electric. P. Johnson. No. 1,095,214; May 5; Gaz. vol. 202; p. 15.
- Cooker, Electric. M. L. Keagy. No. 1,115,075; Oct. 27; Gaz. vol. 207; p. 1071.
- Cooker, Fireless. W. E. Campbell. No. 1,092,202; Apr. 7; Gaz. vol. 201; p. 27.
- Cooker, Fireless. H. E. Gove. No. 1,101,024; June 23; Gaz. vol. 203; p. 1048.
- Cooker, Fireless. J. E. Lappen. No. 1,122,131; Dec. 22; Gaz. vol. 209; p. 1244.
- Cooker, Fireless. R. M. G. Phillips. No. 1,103,539; July 14; Gaz. vol. 204; p. 502.
- Cooker, Fireless. R. M. G. Phillips. No. 1,109,542; Sept. 1; Gaz. vol. 206; p. 239.
- Cooker, Fireless. C. E. Swartzbaugh. No. 1,102,456; July 7; Gaz. vol. 204; p. 82.
- Cooker, Fireless. C. H. Wright. No. 1,120,877; Dec. 15; Gaz. vol. 209; p. 772.
- Cooker for seeds. C. H. Fulson. No. 1,104,981; July 28; Gaz. vol. 204; p. 1093.
- Cooker for seeds and the like. G. A. Sauer, Jr., and R. A. Trace. No. 1,106,586; Aug. 11; Gaz. vol. 205; p. 394.
- Cooker, Odorless. J. T. Sewell. No. 1,094,936; Apr. 28; Gaz. vol. 201; p. 1094.
- Cooker or the like, Fireless. C. E. Swartzbaugh. No. 1,093,566; Apr. 14; Gaz. vol. 201; p. 523.
- Cooker, Steam-. A. W. Meyer. No. 1,089,066; Mar. 3; Gaz. vol. 200; p. 134.
- Cooker, Steam-. T. C. Schuyler. No. 1,086,093; Feb. 3; Gaz. vol. 199; p. 185.
- Cooker, Syrup-. J. Werner. No. 1,105,168; July 28; Gaz. vol. 204; p. 1157.
- Cooker, Time-. C. Carlton. No. 1,118,471; Nov. 24; Gaz. vol. 208; p. 1169.
- Cookers and analogous apparatus, Gate-operating mechanism for meal-. M. W. Faherty. No. 1,112,128; Sept. 29; Gaz. vol. 206; p. 1307.
- Cookers and the like, Gate-operating mechanism for meal-. A. W. French. No. 1,091,055; Mar. 24; Gaz. vol. 200; p. 939.
- Cookers, Gate-controlling device for. C. H. Fulson. No. 1,115,186; Oct. 27; Gaz. vol. 207; p. 1109.
- Cookers, Gate-controlling device for. R. A. Trace. No. 1,115,133; Oct. 27; Gaz. vol. 207; p. 1091.
- Cookers, Heating apparatus for fireless. G. H. Hewitt. No. 1,120,488; Dec. 8; Gaz. vol. 209; p. 588.
- Cooking and heating apparatus, Combined. T. W. Baker and F. P. Hepding. No. 1,107,475; Aug. 18; Gaz. vol. 205; p. 754.
- Cooking and like purposes, Covered vessel for. C. L. Casey. No. 1,095,959; May 5; Gaz. vol. 202; p. 266.
- Cooking apparatus. F. V. Detwiler. No. 1,089,911; Mar. 10; Gaz. vol. 200; p. 472.
- Cooking apparatus. F. V. Detwiler. No. 1,119,579; Dec. 1; Gaz. vol. 209; p. 235.
- Cooking apparatus. S. B. Goff. No. 1,097,126; May 19; Gaz. vol. 202; p. 747.
- Cooking apparatus. S. B. Goff. No. 1,109,828; Sept. 8; Gaz. vol. 206; p. 383.
- Cooking apparatus. J. F. Mirrielees. No. 1,087,886; Feb. 17; Gaz. vol. 199; p. 897.
- Cooking apparatus. R. M. G. Phillips. No. 1,102,796; July 7; Gaz. vol. 204; p. 200.
- Cooking apparatus. R. M. G. Phillips. No. 1,105,532; July 28; Gaz. vol. 204; p. 1287.
- Cooking apparatus. R. M. G. Phillips. No. 1,110,079; Sept. 8; Gaz. vol. 206; p. 473.
- Cooking apparatus. R. J. Workman. No. 1,083,973; Jan. 13; Gaz. vol. 198; p. 265.
- Cooking apparatus, Combination. J. T. Onions. No. 1,102,540; July 7; Gaz. vol. 204; p. 112.
- Cooking apparatus, Electric. J. Lawrence. No. 1,090,924; Mar. 24; Gaz. vol. 200; p. 893.
- Cooking apparatus, Electric. H. G. Weeks. No. 1,118,454; Nov. 24; Gaz. vol. 208; p. 1164.
- Cooking apparatus, Electrically-heated. J. W. Phelps. No. 1,083,557; Jan. 6; Gaz. vol. 198; p. 99.
- Cooking apparatus for food, Steam-. A. Gonella and S. Sacerdote. No. 1,087,114; Feb. 17; Gaz. vol. 199; p. 629.
- Cooking apparatus, Safety device for electrically-heated. L. G. Copeman. No. 1,113,154; Oct. 6; Gaz. vol. 207; p. 256.
- Cooking apparatus, Steam. J. L. Carbery. No. 1,108,967; Sept. 1; Gaz. vol. 206; p. 38.
- Cooking appliance. A. L. Sykes. No. 1,086,870; Feb. 10; Gaz. vol. 199; p. 497.
- Cooking catsup and like products. G. R. Fields. No. 1,113,110; Oct. 6; Gaz. vol. 207; p. 240.
- Cooking device, Electric. H. P. Ball. No. 1,118,392; Nov. 24; Gaz. vol. 208; p. 1140.
- Cooking device, Electric. W. Stanley. No. 1,091,714; Mar. 31; Gaz. vol. 200; p. 1205.
- Cooking fruits and vegetables, Apparatus for. J. B. Bailey. No. 1,085,521; Jan. 27; Gaz. vol. 198; p. 852.
- Cooking outfit, Pocket. W. W. Stopple. No. 1,096,002; May 5; Gaz. vol. 202; p. 281.
- Cooking utensil. G. W. Blodgett. No. 1,086,986; Feb. 10; Gaz. vol. 199; p. 535.
- Cooking utensil. P. Connin and J. McNall. No. 1,088,539; Feb. 24; Gaz. vol. 199; p. 1166.
- Cooking utensil. C. M. Daly. No. 1,084,402; Jan. 13; Gaz. vol. 198; p. 408.
- Cooking utensil. M. J. Flynn. No. 1,112,281; Sept. 29; Gaz. vol. 206; p. 1361.
- Cooking utensil. R. N. Geffroy. No. 1,115,303; Oct. 27; Gaz. vol. 207; p. 1150.
- Cooking utensil. J. S. Knowles. No. 1,091,517; Mar. 31; Gaz. vol. 200; p. 1138.
- Cooking utensil. C. Osada. No. 1,089,664; Mar. 10; Gaz. vol. 200; p. 388.
- Cooking utensil. H. G. Pfachler and C. J. Marks. No. 1,106,837; Aug. 11; Gaz. vol. 205; p. 482.
- Cooking utensil. E. S. Wheeler. No. 1,093,227; Apr. 14; Gaz. vol. 201; p. 414.
- Cooking utensil. L. Wojdkow. No. 1,091,903; Mar. 31; Gaz. vol. 200; p. 1272.
- Cooking-utensil attachment. C. N. Sowden. No. 1,095,038; Apr. 28; Gaz. vol. 201; p. 1129.
- Cooking-utensil shield. J. E. Taggart. No. 1,096,204; May 12; Gaz. vol. 202; p. 385.
- Cooking utensils and the like, Handle for the covers of. J. Fritz. No. 1,093,393; Apr. 14; Gaz. vol. 201; p. 471.
- Cooking utensils, Appliance for supporting. A. M. Stocking. No. 1,112,574; Oct. 6; Gaz. vol. 207; p. 58.
- Cooking utensils, Automatic water-supply for. G. L. Bidle. No. 1,083,723; Jan. 6; Gaz. vol. 198; p. 155.
- Cooking utensils, Drain-lid for. G. Stricker. No. 1,089,092; Mar. 3; Gaz. vol. 200; p. 143.
- Cooking utensils, Heat-distributor for. A. B. Cruickshank. No. 1,109,323; Sept. 1; Gaz. vol. 206; p. 166.
- Cooking vessel. T. D. McCall. No. 1,093,282; Apr. 14; Gaz. vol. 201; p. 433.
- Cooking vessel. P. H. Schlueter. No. 1,093,654; Apr. 21; Gaz. vol. 201; p. 597.
- Cooking vessel, Steam. J. T. Slocumb. No. 1,111,810; Sept. 29; Gaz. vol. 206; p. 1201.
- Cooler; See Bed-cooler; Beer-cooler; Cream and milk cooler; Evaporative cooler; Flat-iron cooler; Hot-box cooler; Liquid-cooler; Milk-cooler; Oil-cooler; Ore-cooler; Refrigerator-cooler; Water-cooler.
- Cooler. G. H. Blake. No. 1,092,330; Apr. 7; Gaz. vol. 201; p. 72.
- Cooler. N. L. Burrow. No. 1,104,958; July 28; Gaz. vol. 204; p. 1086.
- Cooler for extraction apparatus and the like. R. Oekel. No. 1,095,165; Apr. 28; Gaz. vol. 201; p. 1174.
- Cooling apparatus. H. Koppers. No. 1,099,255; June 9; Gaz. vol. 203; p. 346.
- Cooling-board. A. W. Brown and G. W. Sinclair. No. 1,096,595; May 12; Gaz. vol. 202; p. 519.
- Cooling-chamber for projecting purposes. R. Straubel. No. 1,107,725; Aug. 18; Gaz. vol. 205; p. 842.
- Cooling-receptacle. B. E. Parker. No. 1,095,023; Apr. 28; Gaz. vol. 201; p. 1125.
- Cooling, stirring, and dispensing vessel. H. E. Parshall. No. 1,095,517; May 5; Gaz. vol. 202; p. 119.
- Cooling-tank. C. Sintz. No. 1,107,455; Aug. 18; Gaz. vol. 205; p. 747.
- Cooling-tank. W. Whiteley and W. Spencer. No. 1,113,921; Oct. 13; Gaz. vol. 207; p. 569.
- Cooling-tower. L. R. Alberger. No. 1,098,004; May 26; Gaz. vol. 202; p. 1100.
- Cooling-tower. W. R. Wilson. No. 1,098,002; May 26; Gaz. vol. 202; p. 1099.
- Cooling-tower construction. G. J. Stocker. No. 1,102,813; July 7; Gaz. vol. 204; p. 207.

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- Coop. C. Gabel. No. 1,095,628; May 5; Gaz. vol. 202; p. 155.
- Coop. W. C. Gaeth. No. 1,101,427; June 23; Gaz. vol. 203; p. 1184.
- Coop. C. E. and B. F. Grant. No. 1,096,904; May 19; Gaz. vol. 202; p. 668.
- Coop. I. Putnam. No. 1,109,177; Sept. 1; Gaz. vol. 206; p. 115.
- Coop. W. R. Wilson. No. 1,106,267; Aug. 4; Gaz. vol. 205; p. 235.
- Coop, Chicken-. E. E. Bell. No. 1,088,516; Feb. 24; Gaz. vol. 199; p. 1159.
- Coop, Chicken-. C. S. James. No. 1,092,717; Apr. 7; Gaz. vol. 201; p. 204.
- Coop, Chicken-. C. L. Jensen. No. 1,120,504; Dec. 8; Gaz. vol. 209; p. 592.
- Coop, Chicken-. R. H. and L. W. Malony. No. 1,122,964; Dec. 29; Gaz. vol. 209; p. 1572.
- Coop, Chicken-. J. B. Welch. No. 1,087,414; Feb. 17; Gaz. vol. 199; p. 734.
- Coop-fastening. G. W. Fletcher. No. 1,109,057; Sept. 1; Gaz. vol. 206; p. 72.
- Coop, Folding. R. L. Caldwell. No. 1,096,412; May 12; Gaz. vol. 202; p. 458.
- Coop, Folding. C. L. Lowry. No. 1,098,045; May 26; Gaz. vol. 202; p. 1113.
- Coop, Folding poultry-. O. D. Hutto. No. 1,120,058; Dec. 8; Gaz. vol. 209; p. 435.
- Coop, Knockdown. F. W. Romans. No. 1,091,391; Mar. 24; Gaz. vol. 200; p. 1051.
- Coop, Knockdown brooder-. W. Warnick and H. L. Lellich. No. 1,083,572; Jan. 6; Gaz. vol. 198; p. 103.
- Coop, Portable folding chicken-. R. H. Wakeman. No. 1,121,425; Dec. 15; Gaz. vol. 209; p. 962.
- Coop, Poultry-. E. E. Arnold. No. 1,084,836; Jan. 20; Gaz. vol. 198; p. 585.
- Coop, Poultry-. T. P. Mohr. No. 1,084,221; Jan. 13; Gaz. vol. 198; p. 351.
- Coop, Poultry-. W. L. Niemann. No. 1,090,224; Mar. 17; Gaz. vol. 200; p. 621.
- Cop-forming machine. W. T. Smith. No. 1,083,765; Jan. 6; Gaz. vol. 198; p. 168.
- Cop-winding machines, Feeler for. H. Schweiter. No. 1,085,498; Jan. 27; Gaz. vol. 198; p. 845.
- Copper-ammonium cellulose solution, Production of shaped articles from. E. Bronnert. No. 1,106,077; Aug. 4; Gaz. vol. 205; p. 172.
- Cooper and nickel, particularly from low-grade ores and products, Extraction of. W. Borchers and H. Pedersen. No. 1,101,115; June 23; Gaz. vol. 203; p. 1078.
- Copper, Electrolytic production of. N. V. Hybinette. No. 1,084,150; Jan. 13; Gaz. vol. 198; p. 326.
- Copper, Extracting. G. B. Chittenden. No. 1,104,410; July 21; Gaz. vol. 204; p. 846.
- Copper extraction, Recovery of values from the leach-water of. C. A. Hall. No. 1,112,608; Oct. 6; Gaz. vol. 207; p. 71.
- Copper from carbonate and oxid ores, Extracting. H. R. Ellis. No. 1,115,521; Nov. 3; Gaz. vol. 208; p. 19.
- Copper from carbonate and oxid ores, Extracting. H. R. Ellis. No. 1,115,522; Nov. 3; Gaz. vol. 208; p. 19.
- Copper from nickel and cobalt, Separating. V. Hybinette. No. 1,098,443; June 2; Gaz. vol. 203; p. 31.
- Copper from ores, Extracting. N. V. Hybinette. No. 1,122,759; Dec. 29; Gaz. vol. 209; p. 1499.
- Copper, Hardening and welding. C. Bittner. No. 1,122,062; Dec. 22; Gaz. vol. 209; p. 1223.
- Copper, Hydrometallurgy of. E. R. Weidlein. No. 1,089,096; Mar. 3; Gaz. vol. 200; p. 144.
- Copper matte, Bessemerizing. J. B. Herreshoff, Jr. No. 1,103,925; July 14; Gaz. vol. 204; p. 639.
- Copper ores and the recovery of their values, Treatment of. C. S. Vadner. No. 1,111,874; Sept. 29; Gaz. vol. 206; p. 1224.
- Copy-holder. G. F. Brown. No. 1,104,100; July 21; Gaz. vol. 204; p. 740.
- Copy-holder. R. H. Butler. No. 1,111,004; Sept. 22; Gaz. vol. 206; p. 884.
- Copy-holder. R. B. Griffith. No. 1,120,192; Dec. 8; Gaz. vol. 209; p. 482.
- Copy-holder. W. T. Hacker. No. 1,107,785; Aug. 18; Gaz. vol. 205; p. 864.
- Copy-holder. L. G. Julihn and J. F. Culverwell. No. 1,085,131; Jan. 27; Gaz. vol. 198; p. 720.
- Copy-holder. C. A. Lammers. No. 1,087,304; Feb. 17; Gaz. vol. 199; p. 696.
- Copy-holder. C. F. Ludington. No. 1,087,672; Feb. 17; Gaz. vol. 199; p. 827.
- Copy-holder. H. G. White and J. C. Hughes. No. 1,097,494; May 19; Gaz. vol. 202; p. 875.
- Copy-holder. G. C. Wilson. No. 1,109,727; Sept. 8; Gaz. vol. 206; p. 349.
- Copy-holder. A. C. Wrede. No. 1,095,059; Apr. 28; Gaz. vol. 201; p. 1137.
- Copy-holder, Automatic. F. A. Dean and L. L. Teas. No. 1,094,311; Apr. 21; Gaz. vol. 201; p. 816.
- Copy-holder line-indicator. R. F. Downey. No. 1,101,529; June 30; Gaz. vol. 203; p. 1271.
- Copying machine, Multiple. J. J. Flanagan. No. 1,118,119; Nov. 24; Gaz. vol. 208; p. 1045.
- Copying or duplicating machines, Tracing device for. E. R. Lochman. No. 1,084,155; Jan. 13; Gaz. vol. 198; p. 327.
- Cord-adjuster. J. P. Tarbox. No. 1,087,093; Feb. 10; Gaz. vol. 199; p. 569.
- Cord-eye support. G. E. Prentice. No. 1,111,760; Sept. 29; Gaz. vol. 206; p. 1181.
- Cord-fastener. I. A. Allen, Jr., and C. W. Sponsel. No. 1,107,010; Aug. 11; Gaz. vol. 205; p. 540.
- Cord-fastener. E. M. Comstock. No. 1,087,279; Feb. 17; Gaz. vol. 199; p. 688.
- Cord or rope making device. M. M. Lamy. No. 1,091,672; Mar. 31; Gaz. vol. 200; p. 1191.
- Cord-splicing tool. M. D. Kilmer. No. 1,083,497; Jan. 6; Gaz. vol. 198; p. 78.
- Cord-tightening device. A. G. Solstmann. No. 1,094,029; Apr. 21; Gaz. vol. 201; p. 723.
- Core. G. C. Biddle and E. R. Buys. No. 1,116,550; Nov. 10; Gaz. vol. 208; p. 414.
- Core. G. L. Mather. No. 1,097,037; May 19; Gaz. vol. 202; p. 716.
- Core-bar. W. D. Ross. No. 1,112,034; Sept. 29; Gaz. vol. 206; p. 1275.
- Core-barrels, Extractor for. F. W. Tickner. No. 1,122,046; Dec. 22; Gaz. vol. 209; p. 1217.
- Core, Collapsible. H. E. Boyd and R. B. Koontz. No. 1,093,105; Apr. 14; Gaz. vol. 201; p. 372.
- Core, Collapsible. C. F. Draper. No. 1,103,664; July 14; Gaz. vol. 204; p. 551.
- Core, Collapsible. J. K. Williams. No. 1,105,737; Aug. 4; Gaz. vol. 205; p. 54.
- Core, Collapsible. J. Yemiker. No. 1,107,397; Aug. 18; Gaz. vol. 205; p. 725.
- Core, Collapsible. J. Yemiker. No. 1,107,398; Aug. 18; Gaz. vol. 205; p. 725.
- Core compound. H. K. Moore. No. 1,091,690; Mar. 31; Gaz. vol. 200; p. 1197.
- Core drilling and hoisting machine. P. J. Diemunsch, T. H. Dobbins, and E. Dalgleish. No. 1,117,806; Nov. 17; Gaz. vol. 208; p. 898.
- Core-drum. O. Onsrud. No. 1,090,492; Mar. 17; Gaz. vol. 200; p. 717.
- Core, Expandable. L. F. Delaney. No. 1,115,057; Oct. 27; Gaz. vol. 207; p. 1064.
- Core for molding or casting, Collapsible. G. Atterbury. No. 1,086,121; Feb. 3; Gaz. vol. 199; p. 194.
- Core-making device. W. M. Scott and W. Johnston. No. 1,104,837; July 28; Gaz. vol. 204; p. 1044.
- Core-making machine. B. D. Cappell. No. 1,119,400; Dec. 1; Gaz. vol. 209; p. 173.
- Core-oven. F. S. Garrett. No. 1,099,546; June 9; Gaz. vol. 203; p. 447.
- Core-oven. P. B. Harrison. No. 1,120,937; Dec. 15; Gaz. vol. 209; p. 793.
- Core-oven. A. W. Moyer. No. 1,085,153; Jan. 27; Gaz. vol. 198; p. 727.
- Core-oven, Drawer-type. A. M. Loudon. No. 1,107,678; Aug. 18; Gaz. vol. 205; p. 826.
- Core-support. H. Sonnet. No. 1,099,672; June 9; Gaz. vol. 203; p. 490.
- Coring and paring knife, Combined. H. C. Chapman. No. 1,095,706; May 5; Gaz. vol. 202; p. 182.
- Cork article and making the same. H. F. Busch. No. 1,105,060; July 28; Gaz. vol. 204; p. 1121.
- Cork-board mold. A. MacKinnon. No. 1,121,263; Dec. 15; Gaz. vol. 209; p. 907.
- Core-cutting machine. P. Codina. No. 1,109,966; Sept. 8; Gaz. vol. 206; p. 434.
- Cork-cutting-machine feeding mechanism. C. B. Stanton. No. 1,121,685; Dec. 22; Gaz. vol. 209; p. 1090.
- Cork-docking machine. A. Bogdanffy. No. 1,099,686; June 9; Gaz. vol. 203; p. 496.
- Cork-extractor. G. J. Davison. No. 1,112,600; Oct. 6; Gaz. vol. 207; p. 68.
- Cork-extractor. J. Gebhart. No. 1,084,422; Jan. 13; Gaz. vol. 198; p. 415.
- Cork-extractor. E. Jacquemin. No. 1,094,997; Apr. 28; Gaz. vol. 201; p. 1117.
- Cork-extractor. F. Janouch. No. 1,110,265; Sept. 8; Gaz. vol. 206; p. 541.
- Cork-extractor. E. E. Knutson. No. 1,100,580; June 16; Gaz. vol. 203; p. 838.
- Cork-extractor. P. T. Moller. No. 1,113,465; Oct. 13; Gaz. vol. 207; p. 411.
- Cork extractor and fastener. P. J. Whelan. No. 1,112,875; Oct. 6; Gaz. vol. 207; p. 162.
- Cork, Making artificial. H. Paschke. No. 1,105,098; July 28; Gaz. vol. 204; p. 1134.
- Cork, Manufacture of articles of agglomerated and reinforced. C. A. Janneau. No. 1,094,656; Apr. 28; Gaz. vol. 201; p. 997.
- Cork-puller. E. J. Corkery. No. 1,093,768; Apr. 21; Gaz. vol. 201; p. 635.
- Cork-remover. F. J. Bell. No. 1,117,764; Nov. 17; Gaz. vol. 208; p. 883.
- Cork substitutes, Making. W. Sanger. No. 1,101,965; June 30; Gaz. vol. 203; p. 1424.
- Cork-tapering machine. I. T. McCready. No. 1,116,830; Nov. 10; Gaz. vol. 208; p. 515.
- Corking-machine. C. Gentle. No. 1,117,029; Nov. 10; Gaz. vol. 208; p. 583.

Alphabetical list of inventions—Continued.

- Corking-machine. J. J. Vogel. No. 1,105,115; July 28; Gaz. vol. 204; p. 1139.
- Corkscrew. J. H. Kissinger. No. 1,110,210; Sept. 8; Gaz. vol. 206; p. 521.
- Corn-binder. C. E. Townsend. No. 1,107,463; Aug. 18; Gaz. vol. 205; p. 749.
- Corn-binders, Retarding device for. D. Stahley. No. 1,109,712; Sept. 8; Gaz. vol. 206; p. 344.
- Corn-butterer. H. M. Pratt. No. 1,097,465; May 19; Gaz. vol. 202; p. 865.
- Corn-butting machine. W. W. Morral. No. 1,083,693; Jan. 6; Gaz. vol. 198; p. 144.
- Corn-cutter. C. N. Likes. No. 1,110,502; Sept. 15; Gaz. vol. 206; p. 665.
- Corn-cutter and shock-mover, Combined. T. Culli. No. 1,111,951; Sept. 29; Gaz. vol. 206; p. 1248.
- Corn-cutter protector. F. E. Mooney. No. 1,117,077; Nov. 10; Gaz. vol. 208; p. 600.
- Corn-cutting-machine cutter, Green-. J. M. C. Jones. No. 1,118,133; Nov. 24; Gaz. vol. 208; p. 1049.
- Corn-cutting-machine scraper, Green-. J. M. C. Jones. No. 1,092,995; Apr. 14; Gaz. vol. 201; p. 333.
- Corn-cutting machines, Corn-forwarding device for green-. J. M. C. Jones. No. 1,090,988; Mar. 24; Gaz. vol. 200; p. 915.
- Corn, Drying. C. W. Stanton. No. 1,086,950; Feb. 10; Gaz. vol. 199; p. 522.
- Corn-drying rack, Seed-. J. S. and B. L. Bain. No. 1,089,810; Mar. 10; Gaz. vol. 200; p. 437.
- Corn ears, Device for shelling the ends of seed-. W. J. Boll. No. 1,121,460; Dec. 15; Gaz. vol. 209; p. 974.
- Corn-ears, Machine for removing nubbins from. A. C. Hansen. No. 1,116,697; Nov. 10; Gaz. vol. 208; p. 468.
- Corn gatherer and husker. C. Younger. No. 1,090,371; Mar. 17; Gaz. vol. 200; p. 672.
- Corn gathering and husking machine. C. Younger. No. 1,101,607; June 30; Gaz. vol. 203; p. 1299.
- Corn-hanger. W. L. Lowe. No. 1,095,006; Apr. 28; Gaz. vol. 201; p. 1120.
- Corn hanger, Seed-. J. Darnieder. No. 1,083,994; Jan. 13; Gaz. vol. 198; p. 273.
- Corn hanger, Seed-. G. M. Hurff. No. 1,093,856; Apr. 21; Gaz. vol. 201; p. 665.
- Corn-heading knife. M. D. and L. Owen. No. 1,091,757; Mar. 31; Gaz. vol. 200; p. 1220.
- Corn-heading knife, Kafir-. J. A. Morris. No. 1,084,949; Jan. 20; Gaz. vol. 198; p. 622.
- Corn-heading machine, Kafir-. O. Hayes. No. 1,090,709; Mar. 17; Gaz. vol. 200; p. 788.
- Corn-holding device, Ear-. P. F. Lynch. No. 1,117,412; Nov. 17; Gaz. vol. 208; p. 757.
- Corn-hulling machine. L. F. Beyschlag. No. 1,116,221; Nov. 3; Gaz. vol. 208; p. 258.
- Corn-husker. G. L. Miller. (Reissue.) No. 13,787; Aug. 11; Gaz. vol. 205; p. 624.
- Corn-husker. J. H. Pierce. No. 1,111,856; Sept. 29; Gaz. vol. 206; p. 1217.
- Corn-husker. P. A. Waller. No. 1,108,817; Aug. 25; Gaz. vol. 205; p. 1267.
- Corn-husker. C. Younger. No. 1,086,115; Feb. 3; Gaz. vol. 199; p. 193.
- Corn husker and shredder, Combined. A. Tabbert. No. 1,088,636; Feb. 24; Gaz. vol. 199; p. 1198.
- Corn huskers and shredders, Feeder for. J. B. Schuman. No. 1,104,738; July 21; Gaz. vol. 204; p. 960.
- Corn-husking machine. C. H. Deering. No. 1,096,416; May 12; Gaz. vol. 202; p. 459.
- Corn-husking machine. J. W. From. No. 1,092,349; Apr. 7; Gaz. vol. 201; p. 78.
- Corn-husking machine. J. E. Goodhue. No. 1,094,848; Apr. 28; Gaz. vol. 201; p. 1065.
- Corn-husking machine. E. Hollis. No. 1,116,278; Nov. 3; Gaz. vol. 208; p. 276.
- Corn-husking machine. W. W. Morral. No. 1,121,938; Dec. 22; Gaz. vol. 209; p. 1179.
- Corn-husking machine. W. W. and S. E. Morral. No. 1,121,937; Dec. 22; Gaz. vol. 209; p. 1179.
- Corn-husking machine. G. L. Wackerow. No. 1,087,338; Feb. 17; Gaz. vol. 199; p. 708.
- Corn-husking machines, Butt-cutter mechanism for. S. E. and W. W. Morral. No. 1,121,936; Dec. 22; Gaz. vol. 209; p. 1178.
- Corn-husking machines, Conveyer for. T. F. Morse. No. 1,112,926; Oct. 6; Gaz. vol. 207; p. 179.
- Corn-husking mechanism. L. T. Collin. No. 1,087,484; Feb. 17; Gaz. vol. 199; p. 759.
- Corn-knife. J. P. Hylan. No. 1,091,576; Mar. 31; Gaz. vol. 200; p. 1158.
- Corn-knife. J. F. McReynolds. No. 1,117,216; Nov. 17; Gaz. vol. 208; p. 688.
- Corn-planter. E. M. Heylman. No. 1,118,932; Dec. 1; Gaz. vol. 209; p. 9.
- Corn-planter attachment. A. W. and E. Blank. No. 1,119,675; Dec. 1; Gaz. vol. 209; p. 266.
- Corn-popper. C. Cretors. No. 1,091,041; Mar. 24; Gaz. vol. 200; p. 934.
- Corn-popper. B. F. Forsyth. No. 1,102,031; June 30; Gaz. vol. 203; p. 1448.
- Corn-popper. J. W. Kenyon. No. 1,100,745; June 23; Gaz. vol. 203; p. 948.
- Corn, Popping. C. K. Harding. No. 1,104,990; July 28; Gaz. vol. 204; p. 1096.
- Corn-popping apparatus. C. Cretors. No. 1,116,568; Nov. 10; Gaz. vol. 208; p. 421.
- Corn-popping machine. N. B. Post. No. 1,109,247; Sept. 1; Gaz. vol. 206; p. 139.
- Corn-rack. S. B. Wenger. No. 1,095,687; May 5; Gaz. vol. 202; p. 175.
- Corn rack, Seed-. E. Ericson. No. 1,111,061; Sept. 22; Gaz. vol. 206; p. 904.
- Corn rack, Seed-. G. Sokol. No. 1,095,429; May 5; Gaz. vol. 202; p. 87.
- Corn saving and cleaning device. G. A. Stevens. No. 1,112,232; Sept. 29; Gaz. vol. 206; p. 1345.
- Corn-sheller. E. Claude. No. 1,099,339; June 9; Gaz. vol. 203; p. 377.
- Corn-sheller. J. Kiovsky. No. 1,104,677; July 21; Gaz. vol. 204; p. 939.
- Corn-sheller. J. W. Morrison. No. 1,096,554; May 12; Gaz. vol. 202; p. 506.
- Corn stringer, Seed-. B. E. Bigger. No. 1,111,207; Sept. 22; Gaz. vol. 206; p. 955.
- Corn tester, Seed-. S. Carlson. No. 1,088,534; Feb. 24; Gaz. vol. 199; p. 1164.
- Corn tester, Seed-. J. C. Klave. No. 1,101,856; June 30; Gaz. vol. 203; p. 1384.
- Corn-topper. E. E. Cannon. No. 1,091,119; Mar. 24; Gaz. vol. 200; p. 961.
- Corn-topper. J. W. Hoover. No. 1,099,501; June 9; Gaz. vol. 203; p. 431.
- Corn topper, Kafir-. E. E. Cannon. No. 1,093,109; Apr. 14; Gaz. vol. 201; p. 373.
- Corn, Wire support for seed-. H. Schultz. No. 1,087,263; Feb. 17; Gaz. vol. 199; p. 683.
- Corner-bead. G. D. Clark. No. 1,085,403; Jan. 27; Gaz. vol. 198; p. 815.
- Corner bead or strip. R. L. Sanderson. No. 1,106,730; Aug. 11; Gaz. vol. 205; p. 444.
- Corner-binding. J. E. Davidson. No. 1,087,530; Feb. 17; Gaz. vol. 199; p. 775.
- Corner-joint for screens and other frames. F. W. and R. S. Van Fleet. No. 1,102,460; July 7; Gaz. vol. 204; p. 84.
- Corner-post fastening. A. Wolf. No. 1,120,638; Dec. 8; Gaz. vol. 209; p. 641.
- Corner-seat, Folding. H. H. Kennedy and T. J. Gibbons. No. 1,099,253; June 9; Gaz. vol. 203; p. 346.
- Corner-staying machines, Automatic stopping mechanism for. E. L. Hazel and R. Holbeche. No. 1,084,631; Jan. 20; Gaz. vol. 198; p. 513.
- Corner-staying machines, Safety device for. E. H. Taylor. No. 1,111,329; Sept. 22; Gaz. vol. 206; p. 996.
- Cornet. P. F. Petersen. No. 1,084,869; Jan. 20; Gaz. vol. 198; p. 596.
- Cornice, Non-drip. H. J. Wagner. No. 1,085,886; Feb. 3; Gaz. vol. 199; p. 109.
- Correlating a desired operation in a traveling carriage with the distance traveled, and for transmitting adjustments between traveling instruments, Means for. A. W. Gattie and H. A. Cox. No. 1,085,409; Jan. 27; Gaz. vol. 198; p. 817.
- Corset. C. C. B. Alfreds. No. 1,096,089; May 12; Gaz. vol. 202; p. 348.
- Corset. C. Macdonald. No. 1,088,601; Feb. 24; Gaz. vol. 199; p. 1185.
- Corset. L. J. Mead. No. 1,090,932; Mar. 24; Gaz. vol. 200; p. 896.
- Corset. C. Petersen. No. 1,110,005; Sept. 8; Gaz. vol. 206; p. 448.
- Corset. A. Ray. No. 1,095,352; May 5; Gaz. vol. 202; p. 61.
- Corset. W. J. Rossiter. No. 1,088,371; Feb. 24; Gaz. vol. 199; p. 1112.
- Corset. C. H. Schopbach. (Reissue.) No. 13,698; Mar. 10; Gaz. vol. 200; p. 549.
- Corset. M. G. Southworth. No. 1,100,156; June 16; Gaz. vol. 203; p. 694.
- Corset. M. Towell. No. 1,083,470; Jan. 6; Gaz. vol. 198; p. 71.
- Corset and abdominal supporter, Combined. M. Goodside. No. 1,090,844; Mar. 24; Gaz. vol. 200; p. 865.
- Corset, Apparel-. D. Kops. No. 1,099,056; June 2; Gaz. vol. 203; p. 234.
- Corset, Apparel-. D. Kops. No. 1,105,330; July 28; Gaz. vol. 204; p. 1217.
- Corset, Apparel-. W. Kops. No. 1,107,219; Aug. 11; Gaz. vol. 205; p. 614.
- Corset, Bandage-. P. Klein. No. 1,107,078; Aug. 11; Gaz. vol. 205; p. 563.
- Corset, Boneless. M. H. Gifford. No. 1,085,121; Jan. 27; Gaz. vol. 198; p. 716.
- Corset-closure. I. Roth. No. 1,089,158; Mar. 3; Gaz. vol. 200; p. 169.
- Corset-cover. L. T. Furnas. No. 1,086,153; Feb. 3; Gaz. vol. 199; p. 205.
- Corset-lock. J. Schoener. No. 1,118,815; Nov. 24; Gaz. vol. 208; p. 1286.
- Corset-pad. B. Bookstaber. No. 1,113,188; Oct. 13; Gaz. vol. 207; p. 311.

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- Corset-protector. E. A. Kann. No. 1,114,144; Oct. 20; Gaz. vol. 207; p. 687.
- Corset-shield. J. S. Lamont. No. 1,108,588; Aug. 25; Gaz. vol. 205; p. 1191.
- Corset-stay. M. M. Beeman. No. 1,098,933; June 2; Gaz. vol. 203; p. 196.
- Corset-stay. J. E. Crandall. No. 1,085,799; Feb. 3; Gaz. vol. 199; p. 79.
- Corset-stay, Wire. M. M. Downer. No. 1,097,793; May 26; Gaz. vol. 202; p. 1025.
- Corset-steel. T. F. Somers. No. 1,121,051; Dec. 15; Gaz. vol. 209; p. 833.
- Cost system, Apparatus for. C. H. Nichols. No. 1,105,994; Aug. 4; Gaz. vol. 205; p. 142.
- Cot. A. E. Gosso. No. 1,089,545; Mar. 10; Gaz. vol. 200; p. 347.
- Cot, Adjustable folding spring-. A. E. Gosso. No. 1,120,931; Dec. 15; Gaz. vol. 209; p. 791.
- Cot, bunk, couch, and the like for use on board ship, Self-leveling. A. L. Wertheim. No. 1,084,915; Jan. 20; Gaz. vol. 198; p. 610.
- Cot, Foldable. T. Calmes. No. 1,096,097; May 12; Gaz. vol. 202; p. 350.
- Cot, Folding. A. R. Barnes. No. 1,091,792; Mar. 31; Gaz. vol. 200; p. 1234.
- Cot, Folding. C. L. Hansen. No. 1,115,813; Nov. 3; Gaz. vol. 208; p. 116.
- Cot, Folding. J. L. Tandy. No. 1,088,111; Feb. 24; Gaz. vol. 199; p. 1024.
- Cot for invalids. J. H. Kindrick. No. 1,103,296; July 14; Gaz. vol. 204; p. 420.
- Cotter. G. L. Waitt. No. 1,092,876; Apr. 14; Gaz. vol. 201; p. 293.
- Cotter-pin. A. H. Berntsen and P. P. Kilstoffe. No. 1,107,881; Aug. 18; Gaz. vol. 205; p. 896.
- Cotter-pin. S. S. Rider. No. 1,114,525; Oct. 20; Gaz. vol. 207; p. 825.
- Cotter-pin, Expansion. P. K. Stern. No. 1,097,371; May 19; Gaz. vol. 202; p. 833.
- Cotton and other fibers, Apparatus for ginning or treating. E. G. Trypanl. No. 1,118,453; Nov. 24; Gaz. vol. 208; p. 1163.
- Cotton and preparing it for market or for carding, Cleansing. J. F. Reardon. No. 1,111,761; Sept. 29; Gaz. vol. 206; p. 1181.
- Cotton-blocking machine. J. Braun. No. 1,090,193; Mar. 17; Gaz. vol. 200; p. 611.
- Cotton-bolls, Maturing immature and frost-bitten. J. B. Hall. No. 1,110,928; Sept. 15; Gaz. vol. 206; p. 815.
- Cotton-chopper. F. Anderson. No. 1,119,562; Dec. 1; Gaz. vol. 209; p. 229.
- Cotton-chopper. G. P. Arthur. No. 1,113,940; Oct. 20; Gaz. vol. 207; p. 616.
- Cotton-chopper. E. R. Burkey and J. F. Voelpel. No. 1,121,974; Dec. 22; Gaz. vol. 209; p. 1191.
- Cotton-chopper. W. L. Calhoun. No. 1,102,868; July 7; Gaz. vol. 204; p. 225.
- Cotton-chopper. O. B. Carroll. No. 1,095,812; May 5; Gaz. vol. 202; p. 218.
- Cotton-chopper. G. W. Copeland. No. 1,083,806; Jan. 6; Gaz. vol. 198; p. 180.
- Cotton-chopper. A. L. Hickson. No. 1,100,239; June 16; Gaz. vol. 203; p. 722.
- Cotton-chopper. C. F. and E. T. Jones. No. 1,111,655; Sept. 22; Gaz. vol. 206; p. 1109.
- Cotton-chopper. D. W. Kirby and C. H. Howard. No. 1,122,948; Dec. 29; Gaz. vol. 209; p. 1566.
- Cotton-chopper. C. Lomax. No. 1,117,069; Nov. 10; Gaz. vol. 208; p. 597.
- Cotton-chopper. A. J. Noblett. No. 1,095,224; May 5; Gaz. vol. 202; p. 18.
- Cotton-chopper. M. M. Perkins. No. 1,112,029; Sept. 29; Gaz. vol. 206; p. 1273.
- Cotton-chopper. J. H. Stone. No. 1,093,894; Apr. 21; Gaz. vol. 201; p. 678.
- Cotton-chopper. J. S. Vaughan. No. 1,091,258; Mar. 24; Gaz. vol. 200; p. 1010.
- Cotton-chopper. A. O. Yeatman. No. 1,090,005; Mar. 10; Gaz. vol. 200; p. 504.
- Cotton chopper and cultivator, Combined. D. S. Ballance. No. 1,122,356; Dec. 29; Gaz. vol. 209; p. 1360.
- Cotton chopper and cultivator, Combined. H. Cunningham. No. 1,088,546; Feb. 24; Gaz. vol. 199; p. 1168.
- Cotton chopper and cultivator, Combined. J. R. Weatherly. No. 1,113,722; Oct. 13; Gaz. vol. 207; p. 500.
- Cotton-chopper blade. J. H. Stone. No. 1,102,362; July 7; Gaz. vol. 204; p. 48.
- Cotton-cleaner. C. C. Epps. No. 1,090,606; Mar. 17; Gaz. vol. 200; p. 757.
- Cotton-cleaner. E. A. Rozler. No. 1,087,831; Feb. 17; Gaz. vol. 199; p. 879.
- Cotton-compress, Round-bale. S. H. Dunlap. No. 1,087,002; Feb. 10; Gaz. vol. 199; p. 540.
- Cotton-conveying apparatus. H. C. Perham. No. 1,092,857; Apr. 14; Gaz. vol. 201; p. 287.
- Cotton elevating and distributing system. W. R. Lamb. No. 1,087,882; Feb. 17; Gaz. vol. 199; p. 895.
- Cotton-feeders, Bur-extractor for. W. R. Lamb. No. 1,105,442; July 28; Gaz. vol. 204; p. 1257.
- Cotton-gathering apparatus. J. F. O'Shaughnessy. No. 1,103,620; July 14; Gaz. vol. 204; p. 534.
- Cotton-gathering apparatus. J. F. O'Shaughnessy. No. 1,103,622; July 14; Gaz. vol. 204; p. 534.
- Cotton-gathering machine. T. E. Brown and C. T. Westlin. No. 1,103,653; July 14; Gaz. vol. 204; p. 547.
- Cotton-gathering machine. J. F. O'Shaughnessy. No. 1,103,618; July 14; Gaz. vol. 204; p. 533.
- Cotton-gathering machine. J. F. O'Shaughnessy. No. 1,103,619; July 14; Gaz. vol. 204; p. 534.
- Cotton-gathering machine. J. F. O'Shaughnessy. No. 1,103,621; July 14; Gaz. vol. 204; p. 534.
- Cotton-gin. E. R. Bullock. No. 1,090,272; Mar. 17; Gaz. vol. 200; p. 638.
- Cotton-gin. J. R. Fordyce and W. R. Keef. No. 1,105,026; July 28; Gaz. vol. 204; p. 1108.
- Cotton-gin. J. W. Graves. No. 1,118,413; Nov. 24; Gaz. vol. 208; p. 1148.
- Cotton-gin. P. Morrison. No. 1,114,627; Oct. 20; Gaz. vol. 207; p. 857.
- Cotton-gin. S. D. Murray. No. 1,086,204; Feb. 3; Gaz. vol. 199; p. 221.
- Cotton-gin. S. D. Murray. No. 1,089,255; Mar. 3; Gaz. vol. 200; p. 199.
- Cotton gin, Boll-. J. F. Hopper. No. 1,099,299; June 9; Gaz. vol. 203; p. 361.
- Cotton-ginning apparatus. J. W. Graves. No. 1,118,412; Nov. 24; Gaz. vol. 208; p. 1148.
- Cotton-grader. L. A. Greene. No. 1,119,949; Dec. 8; Gaz. vol. 209; p. 396.
- Cotton-loader. H. M. Finch. No. 1,091,317; Mar. 24; Gaz. vol. 200; p. 1027.
- Cotton-machine. J. C. Conrad. No. 1,113,310; Oct. 13; Gaz. vol. 207; p. 356.
- Cotton-machine. J. C. Conrad. No. 1,113,311; Oct. 13; Gaz. vol. 207; p. 356.
- Cotton-picker. M. G. Cunningham. No. 1,107,908; Aug. 18; Gaz. vol. 205; p. 904.
- Cotton-picker. H. S. Hopper. No. 1,111,797; Sept. 29; Gaz. vol. 206; p. 1196.
- Cotton-picker. R. W. Ivey. No. 1,088,703; Mar. 3; Gaz. vol. 200; p. 11.
- Cotton-picker. E. S. Jones. No. 1,091,140; Mar. 24; Gaz. vol. 200; p. 969.
- Cotton-picker. H. T. Noble. No. 1,086,205; Feb. 3; Gaz. vol. 199; p. 221.
- Cotton-picker. P. E. Pearce. No. 1,088,361; Feb. 24; Gaz. vol. 199; p. 1108.
- Cotton-picker. T. E. Straus. No. 1,110,158; Sept. 8; Gaz. vol. 206; p. 504.
- Cotton-picker. T. E. Straus and B. Worthington. No. 1,091,254; Mar. 24; Gaz. vol. 200; p. 1009.
- Cotton-picker. S. S. Thomas. No. 1,107,633; Aug. 18; Gaz. vol. 205; p. 809.
- Cotton-picker. S. S. Thomas. No. 1,122,172; Dec. 22; Gaz. vol. 209; p. 1257.
- Cotton-picker nozzle. G. H. Hartwell, Jr. No. 1,109,525; Sept. 1; Gaz. vol. 206; p. 233.
- Cotton-picker's bag. J. T. Lawrence. No. 1,099,064; June 2; Gaz. vol. 203; p. 237.
- Cotton-picker's receptacle. D. J. Easley. No. 1,120,139; Dec. 8; Gaz. vol. 209; p. 462.
- Cotton-picker's vehicle. W. L. Thomas. No. 1,089,603; Mar. 10; Gaz. vol. 200; p. 367.
- Cotton-picking device. J. K. Stewart. No. 1,096,325; May 12; Gaz. vol. 202; p. 430.
- Cotton-picking machine. N. Bowditch. No. 1,119,795; Dec. 8; Gaz. vol. 209; p. 343.
- Cotton-picking machine. N. Bowditch. No. 1,119,796; Dec. 8; Gaz. vol. 209; p. 343.
- Cotton-picking machine. N. Bowditch. No. 1,119,797; Dec. 8; Gaz. vol. 209; p. 344.
- Cotton-picking machine. J. B. Neil. No. 1,121,592; Dec. 15; Gaz. vol. 209; p. 1021.
- Cotton-picking machine. G. C. Phillips. No. 1,100,908; June 23; Gaz. vol. 203; p. 1005.
- Cotton-picking machine. G. C. Phillips. No. 1,107,627; Aug. 18; Gaz. vol. 205; p. 807.
- Cotton-picking machines, Vacuum-head for. W. K. Dana. No. 1,087,872; Feb. 17; Gaz. vol. 199; p. 892.
- Cotton-picking nozzle or tube. E. H. Schofield. No. 1,090,347; Mar. 17; Gaz. vol. 200; p. 664.
- Cotton-picking nozzle or tube. E. H. Schofield. No. 1,120,980; Dec. 15; Gaz. vol. 209; p. 807.
- Cotton-press. J. R. Boddie. No. 1,093,526; Apr. 14; Gaz. vol. 201; p. 511.
- Cotton-presses, Tramper for. N. W. L. Brown. (Reissue.) No. 1,137,055; Mar. 24; Gaz. vol. 200; p. 1079.
- Cotton-sack. W. T. Stout. No. 1,091,402; Mar. 24; Gaz. vol. 200; p. 1055.
- Cotton-seed, Treating. A. W. French. No. 1,121,913; Dec. 22; Gaz. vol. 209; p. 1169.
- Cotton-seed hulls, Treating. E. C. de Segundo. No. 1,089,679; Mar. 10; Gaz. vol. 200; p. 393.
- Cotton-separating machine. C. A. Brust. No. 1,093,106; Apr. 14; Gaz. vol. 201; p. 372.
- Cotton-squares, Machine for catching boll-weevil. R. E. Shaw. No. 1,091,970; Mar. 31; Gaz. vol. 200; p. 1294.
- Cotton-stalk puller and cutter. J. E. and H. J. Hubert. No. 1,110,785; Sept. 15; Gaz. vol. 206; p. 764.

Alphabetical list of inventions—Continued.

- Cotton-tie-bundling machine. C. J. Mogan. No. 1,087,810; Feb. 17; Gaz. vol. 199; p. 672.
- Cotton, Treatment of. B. Teufer. No. 1,097,377; May 19; Gaz. vol. 202; p. 835.
- Cotton-waste in a rope-like form, Apparatus for obtaining. W. Rothe. No. 1,114,293; Oct. 20; Gaz. vol. 207; p. 742.
- Couch. F. P. Fischer. No. 1,104,487; July 21; Gaz. vol. 204; p. 873.
- Couch. A. R. Hyatt. No. 1,099,092; June 2; Gaz. vol. 203; p. 245.
- Couch. R. C. Odell. No. 1,098,394; June 2; Gaz. vol. 203; p. 13.
- Couch and couch-bed. F. J. Quincy. No. 1,089,723; Mar. 10; Gaz. vol. 200; p. 407.
- Couch attachment, Folding-. W. W. Vincent and D. Travis. No. 1,096,209; May 12; Gaz. vol. 202; p. 387.
- Couch, Convertible. F. M. Tinkham. No. 1,107,729; Aug. 18; Gaz. vol. 205; p. 843.
- Couch, couch-bed, davenport, &c. C. L. Plunkett. No. 1,099,515; June 9; Gaz. vol. 203; p. 436.
- Couch, Folding. T. Calmes. No. 1,116,562; Nov. 10; Gaz. vol. 208; p. 418.
- Couch, Folding. J. Hoey. No. 1,095,503; May 5; Gaz. vol. 202; p. 114.
- Counter. W. Schürmann. No. 1,091,771; Mar. 31; Gaz. vol. 200; p. 1226.
- Counter and foot-rail bracket, Combined. C. F. Eikenberg. No. 1,083,357; Jan. 6; Gaz. vol. 198; p. 32.
- Counter-bracket. A. G. Reck. No. 1,094,812; Apr. 28; Gaz. vol. 201; p. 1052.
- Counter-forming machine. A. F. Jones. No. 1,097,589; May 19; Gaz. vol. 202; p. 906.
- Counter-forming machine. A. F. Jones. No. 1,118,554; Nov. 24; Gaz. vol. 208; p. 1198.
- Counter-guard bracket. M. S. Crane. No. 1,112,524; Oct. 6; Gaz. vol. 207; p. 39.
- Counter, Knockdown. W. Hoey. No. 1,099,980; June 16; Gaz. vol. 203; p. 632.
- Counter-partition bracket. O. M. Wolff. No. 1,103,459; July 14; Gaz. vol. 204; p. 475.
- Counter-shaft stop. J. E. McCrudden. No. 1,100,084; June 16; Gaz. vol. 203; p. 669.
- Counter-shafts, Variable-speed. C. H. Mattice. No. 1,121,854; Dec. 22; Gaz. vol. 209; p. 1150.
- Counter-stiffener. G. L. Preble. No. 1,091,704; Mar. 31; Gaz. vol. 200; p. 1202.
- Counter-support. J. F. Montine. No. 1,090,106; Mar. 10; Gaz. vol. 200; p. 539.
- Counters, Molding. J. H. Stewart. No. 1,108,409; Aug. 25; Gaz. vol. 205; p. 1127.
- Counterbalancing device. B. M. W. Hanson and E. Henrikson. No. 1,084,626; Jan. 20; Gaz. vol. 198; p. 511.
- Counterboring-tool. J. G. Gervais. No. 1,097,620; May 26; Gaz. vol. 202; p. 961.
- Countersink and other drill. E. L. J. Broadbent and E. Alderson. No. 1,095,185; May 5; Gaz. vol. 202; p. 4.
- Counterweight. I. G. Hedrick and V. H. Cochrane. No. 1,087,233; Feb. 17; Gaz. vol. 199; p. 672.
- Counting and recording mechanism, Automatic. F. W. McLean. No. 1,104,307; July 21; Gaz. vol. 204; p. 810.
- Counting-head. H. M. Pilkington. No. 1,103,428; July 14; Gaz. vol. 204; p. 464.
- Counting-machine. O. C. Davis. No. 1,088,971; Mar. 3; Gaz. vol. 200; p. 102.
- Counting-machine. W. Fuhr. No. 1,091,207; Mar. 24; Gaz. vol. 200; p. 992.
- Counting mechanism. J. J. Farrell. No. 1,095,832; May 5; Gaz. vol. 202; p. 224.
- Coupling. *See* Air-brake coupling; Automatic coupling; Auxiliary coupling; Axle-coupling; Belt-coupling; Car-coupling; Car and air coupling; Car and pipe coupling; Car and train-pipe coupling; Car automatic coupling; Carbureter-coupling; Casing-coupling; Conduit-coupling; Detachable coupling; Drill-coupling; Drill-rod coupling; Electric-conductor coupling; Electrical coupling; Electrical-conductor coupling; Engine-coupling; Fence-panel coupling; Flexible coupling; Friction-coupling; Gas-tube coupling; Ground-joint coupling; Hame and tug coupling; Hay-loader coupling; Hose-coupling; Ignition-machine coupling; Indicator-coupling; Joint-coupling; Junction-box coupling; Line-coupling; Lock-coupling; Locomotive-pilot coupling; Metallic coupling; Milling-machine-cutter coupling; Overload uncoupling coupling; Pipe-coupling; Plow-coupling; Pocket-coupling; Pole-coupling; Pump-rod coupling; Railway-coupling; Repair-coupling; Rolling-mill-spindle coupling; Rope, &c., coupling; Screw-joint coupling; Scythe-coupling; Shaft-coupling; Speedometer shaft-coupling; Spring-coupling; Structural coupling; Sucker-rod coupling; Superheater-coupling; Swingletree-coupling; Swiveling coupling; Thill-coupling; Tool-coupling; Trace-coupling; Tube-coupling; Valved coupling; Vehicle-coupling; Wagon-coupling; Wagon-train coupling; Wire-rope coupling.
- Coupling. A. P. Cochrane. No. 1,098,426; June 2; Gaz. vol. 203; p. 24.
- Coupling. J. W. Coffman. No. 1,109,737; Sept. 8; Gaz. vol. 206; p. 352.
- Coupling. W. H. Griffith. No. 1,083,894; Jan. 6; Gaz. vol. 198; p. 205.
- Coupling. P. C. Hill. No. 1,113,556; Oct. 13; Gaz. vol. 207; p. 443.
- Coupling. C. C. Hogen. No. 1,096,241; May 12; Gaz. vol. 202; p. 399.
- Coupling. W. La Fary. No. 1,090,922; Mar. 24; Gaz. vol. 200; p. 892.
- Coupling. C. J. Larkin. No. 1,109,767; Sept. 8; Gaz. vol. 206; p. 362.
- Coupling. E. Marek. No. 1,118,032; Nov. 24; Gaz. vol. 208; p. 1014.
- Coupling. C. C. McGuire. No. 1,088,712; Mar. 3; Gaz. vol. 200; p. 15.
- Coupling. J. Patrick. No. 1,093,467; Apr. 14; Gaz. vol. 201; p. 494.
- Coupling. C. R. Patty. No. 1,098,294; May 26; Gaz. vol. 202; p. 1200.
- Coupling. G. A. Quin. No. 1,109,016; Sept. 1; Gaz. vol. 206; p. 56.
- Coupling. W. S. Sutton. No. 1,088,847; Mar. 3; Gaz. vol. 200; p. 59.
- Coupling. J. C. Wright, Jr. No. 1,121,546; Dec. 15; Gaz. vol. 209; p. 1004.
- Coupling and air-valve-operating mechanism, Automatic. A. T. Ames. No. 1,087,862; Feb. 17; Gaz. vol. 199; p. 889.
- Coupling-bolt. H. C. Oehrlé. No. 1,097,185; May 19; Gaz. vol. 202; p. 767.
- Coupling-centering device. H. Blanchard. No. 1,105,611; Aug. 4; Gaz. vol. 205; p. 8.
- Coupling-contour. E. P. Kinne and H. Blanchard. No. 1,120,060; Dec. 8; Gaz. vol. 209; p. 436.
- Coupling device. B. H. Cook. No. 1,107,041; Aug. 11; Gaz. vol. 205; p. 550.
- Coupling device. E. J. McDade. No. 1,105,034; July 28; Gaz. vol. 204; p. 1112.
- Coupling device, Differential. J. H. Deming. No. 1,096,830; May 19; Gaz. vol. 202; p. 641.
- Coupling-expanding apparatus. O. M. Mowat. No. 1,105,094; July 28; Gaz. vol. 204; p. 1133.
- Coupling for pipes, conduits, &c. B. F. Goethner, H. Rooney, and R. E. Seifert. No. 1,119,752; Dec. 1; Gaz. vol. 209; p. 291.
- Coupling-head safety-lock. L. D. Woodruff. No. 1,104,597; July 21; Gaz. vol. 204; p. 913.
- Coupling-heads. Stop-pin for. J. A. Houston. No. 1,111,154; Sept. 22; Gaz. vol. 206; p. 936.
- Coupling-knuckle stop. E. P. Kinne. No. 1,106,458; Aug. 11; Gaz. vol. 205; p. 346.
- Coupling-lifter holes, Spring-cap for. R. E. L. Janney. No. 1,085,262; Jan. 27; Gaz. vol. 198; p. 766.
- Coupling-lock. R. E. L. Janney. No. 1,100,078; June 16; Gaz. vol. 203; p. 667.
- Coupling or lock-nut. J. H. Glauber. No. 1,092,256; Apr. 7; Gaz. vol. 201; p. 45.
- Coupling-pins, Device for manipulating. F. Mathews. No. 1,084,649; Jan. 20; Gaz. vol. 198; p. 518.
- Coupling-pipe for bath-tubs, basins, and the like. J. H. Glauber. No. 1,107,289; Aug. 18; Gaz. vol. 205; p. 686.
- Coupling, Shade-holder. J. Jeczalik. No. 1,092,795; Apr. 7; Gaz. vol. 201; p. 230.
- Coupling-shank and yoke connection. W. E. Coffin. No. 1,097,536; May 19; Gaz. vol. 202; p. 888.
- Coupling-support. H. T. Krakau. No. 1,099,854; June 9; Gaz. vol. 203; p. 551.
- Coupling-support, Yielding. H. F. Woernley. No. 1,090,185; Mar. 17; Gaz. vol. 200; p. 608.
- Coupling-tapping machine. J. H. Baker, E. Hensen, and O. M. Mowat. No. 1,085,785; Feb. 3; Gaz. vol. 199; p. 74.
- Coupling with automatic return, Releasable. H. De-champs. No. 1,105,408; July 28; Gaz. vol. 204; p. 1244.
- Couplings or joints, Means for forming. W. J. Leighty. No. 1,093,868; Apr. 21; Gaz. vol. 201; p. 669.
- Coupon or ticket holder. L. P. Hardy. No. 1,092,909; Apr. 14; Gaz. vol. 201; p. 304.
- Coupon-register. M. J. Hoffman. No. 1,119,698; Dec. 1; Gaz. vol. 209; p. 274.
- Course-finder and course-converter. C. A. Potter. No. 1,108,517; Aug. 25; Gaz. vol. 205; p. 1165.
- Course-finding instrument. A. E. Thayer. No. 1,113,717; Oct. 13; Gaz. vol. 207; p. 498.
- Cover. H. E. Gifford. No. 1,108,108; Aug. 18; Gaz. vol. 205; p. 976.
- Cover and locking means therefor, Receptacle. J. C. Stelhorn. No. 1,122,435; Dec. 29; Gaz. vol. 209; p. 1386.
- Cover, Automatic foldable. A. W. Holman. No. 1,108,757; Aug. 25; Gaz. vol. 205; p. 1247.
- Cover-coating apparatus. T. L. Taliaferro. No. 1,089,350; Mar. 3; Gaz. vol. 200; p. 229.
- Cover-fastener. H. Budd. No. 1,104,872; July 28; Gaz. vol. 204; p. 1056.
- Cover-fastener. K. Huttenhow. No. 1,099,178; June 9; Gaz. vol. 203; p. 320.
- Cover fastener or clamp. L. R. Quinn. No. 1,111,272; Sept. 22; Gaz. vol. 206; p. 977.

Alphabetical list of inventions—Continued.

- Cover fastener, Receptacle-. C. R. Cheliew. No. 1,104,035; July 21; Gaz. vol. 204; p. 717.
- Cover fastening and releasing device. W. H. Smith. No. 1,083,378; Jan. 6; Gaz. vol. 198; p. 39.
- Cover-fastening device. C. E. and E. K. Linton. No. 1,090,634; Mar. 17; Gaz. vol. 200; p. 765.
- Cover-fastening device for receptacles. M. J. Lawless. No. 1,108,765; Aug. 25; Gaz. vol. 205; p. 1249.
- Cover for kettles and the like. G. F. Kearney. No. 1,106,656; Aug. 11; Gaz. vol. 205; p. 419.
- Cover for receptacles, Sheet-metal. T. L. Taliaferro. No. 1,109,484; Sept. 1; Gaz. vol. 206; p. 221.
- Cover for receptacles, Sheet-metal. T. L. Taliaferro and J. B. Bellamy. No. 1,103,633; July 14; Gaz. vol. 204; p. 538.
- Cover for utensils. H. E. Holmes. No. 1,109,990; Sept. 8; Gaz. vol. 206; p. 442.
- Cover opener, Receptacle-. M. G. Hoffmann. No. 1,086,176; Feb. 3; Gaz. vol. 199; p. 212.
- Cover-retainer for receptacles. J. C. Lautenbacher and A. Geary. No. 1,094,911; Apr. 28; Gaz. vol. 201; p. 1085.
- Cover-support. M. G. Molyneaux. No. 1,119,188; Dec. 1; Gaz. vol. 209; p. 100.
- Covers on sheet-steel or other vessels, Machine for closing. S. Tevander. No. 1,094,950; Apr. 28; Gaz. vol. 201; p. 1100.
- Coverer. T. J. Ellison. No. 1,093,773; Apr. 21; Gaz. vol. 201; p. 637.
- Coverlet and wrapper, Interconvertible. I. M. M. E. Hübner. No. 1,102,408; July 7; Gaz. vol. 204; p. 66.
- Coverlet-holder. G. Persson. No. 1,106,474; Aug. 11; Gaz. vol. 205; p. 353.
- Cow-tail holder. L. J. Bowen. No. 1,118,526; Nov. 24; Gaz. vol. 208; p. 1188.
- Cow-tail holder. G. C. Phillips. No. 1,101,657; June 30; Gaz. vol. 203; p. 1316.
- Cow-tail-holding device. W. S. Smith. No. 1,089,508; Mar. 10; Gaz. vol. 200; p. 334.
- Cow-tie lock. J. W. Müller. No. 1,084,705; Jan. 20; Gaz. vol. 198; p. 541.
- Cows, Antikicking device for. S. C. Palmer. No. 1,100,194; June 16; Gaz. vol. 203; p. 707.
- Cowl, Ventilating-. B. H. Van Auken. No. 1,097,487; May 19; Gaz. vol. 202; p. 873.
- Cracker and cake box filler. F. A. Shunk. No. 1,108,405; Aug. 25; Gaz. vol. 205; p. 1126.
- Cracker-box. P. J. Powers and L. L. Guibord. No. 1,115,862; Nov. 3; Gaz. vol. 208; p. 135.
- Cracker can, box, and the like and display or show front therefor. S. S. Goldman. No. 1,088,145; Feb. 24; Gaz. vol. 199; p. 1036.
- Cracker-cutter. H. F. McNutt and C. E. Ballinger. No. 1,102,676; July 7; Gaz. vol. 204; p. 159.
- Cracker-cutting machine. D. K. Allison and B. D. Pinkney. No. 1,112,184; Sept. 29; Gaz. vol. 206; p. 1327.
- Cracker or cake box. F. J. Immick. No. 1,083,832; Jan. 6; Gaz. vol. 198; p. 188.
- Cradle. J. B. Russell. No. 1,111,921; Sept. 29; Gaz. vol. 206; p. 1239.
- Cradle, Swinging. J. C. Collins. No. 1,102,140; June 30; Gaz. vol. 203; p. 1486.
- Crane. H. E. Kuhner. No. 1,116,713; Nov. 10; Gaz. vol. 208; p. 473.
- Crane. A. P. Lundin. No. 1,120,727; Dec. 15; Gaz. vol. 209; p. 719.
- Crane. T. H. Marten. No. 1,123,132; Dec. 29; Gaz. vol. 209; p. 1631.
- Crane. H. Sawyer. No. 1,111,101; Sept. 22; Gaz. vol. 206; p. 917.
- Crane, Bosh-. C. L. Brower. No. 1,098,090; May 26; Gaz. vol. 202; p. 1129.
- Crane, Bundle-carrier. H. Skreberg. No. 1,119,048; Dec. 1; Gaz. vol. 209; p. 54.
- Crane, Invalid-. W. Butler. No. 1,094,117; Apr. 21; Gaz. vol. 201; p. 752.
- Crane, Luffing-. F. Smulders. No. 1,096,400; May 12; Gaz. vol. 202; p. 454.
- Crane, Portable. M. S. Haselton. No. 1,116,272; Nov. 3; Gaz. vol. 208; p. 274.
- Crane, Portable. C. Toepfer. No. 1,090,248; Mar. 17; Gaz. vol. 200; p. 630.
- Crane, Portable pulley-block. E. Cameron. No. 1,099,163; June 9; Gaz. vol. 203; p. 314.
- Crane, Rocking-boom. H. Sawyer. No. 1,111,102; Sept. 22; Gaz. vol. 206; p. 918.
- Crane structure, Freight-handling. H. Sawyer. No. 1,111,099; Sept. 22; Gaz. vol. 206; p. 917.
- Crane, Train-order. J. A. Ballentine. No. 1,110,984; Sept. 15; Gaz. vol. 206; p. 833.
- Crane, Traveling. A. Laukhuff. No. 1,093,057; Apr. 14; Gaz. vol. 201; p. 354.
- Cranes or davits. G. Rennerfelt and A. P. Lundin. No. 1,086,309; Feb. 3; Gaz. vol. 199; p. 254.
- Crank, Automatically-releasing. F. F. Clarke. No. 1,115,652; Nov. 3; Gaz. vol. 208; p. 64.
- Crank-carrying shafts, Holding means for. L. Holmes. No. 1,120,495; Dec. 8; Gaz. vol. 209; p. 589.
- Crank-case. S. E. Alley and R. McGregor. No. 1,098,341; May 26; Gaz. vol. 202; p. 1216.
- Crank-handle-securing means. A. Karnat. No. 1,095,880; May 5; Gaz. vol. 202; p. 241.
- Crank-hanger, Interchangeable. C. Frazer. No. 1,100,365; June 16; Gaz. vol. 203; p. 766.
- Crank-lock. F. Marion. No. 1,101,650; June 30; Gaz. vol. 203; p. 1313.
- Crank-pins while in place in driving-wheels and boring the driving-wheel for the pin, Means for turning. H. H. Vaughan. No. 1,093,219; Apr. 14; Gaz. vol. 201; p. 411.
- Crank-retaining device. T. F. Wilson. No. 1,118,167; Nov. 24; Gaz. vol. 208; p. 1060.
- Crank, Safety starting-. J. H. Rohrer. No. 1,104,323; July 21; Gaz. vol. 204; p. 816.
- Crank-shaft-twisting machine. C. C. Dodge. No. 1,105,188; July 28; Gaz. vol. 204; p. 1164.
- Crank-shafts and the like, Manufacture of. C. Overgaard. No. 1,100,842; June 23; Gaz. vol. 203; p. 982.
- Crank-shafts, Damping torsional vibrations in. F. W. Lanchester. No. 1,085,443; Jan. 27; Gaz. vol. 198; p. 827.
- Crank, Starting-. E. A. Nelson. No. 1,108,212; Aug. 25; Gaz. vol. 205; p. 1059.
- Crank, Starting-. W. Vallier. No. 1,104,851; July 28; Gaz. vol. 204; p. 1049.
- Cranking device. J. D. Hopwood. No. 1,102,050; June 30; Gaz. vol. 203; p. 1454.
- Cranking device. T. McCabe. No. 1,087,800; Feb. 17; Gaz. vol. 199; p. 869.
- Cranking device. M. B. Smith. No. 1,121,680; Dec. 22; Gaz. vol. 209; p. 1088.
- Cranking device. S. L. Williams. No. 1,098,541; June 2; Gaz. vol. 203; p. 65.
- Cranking mechanism, Triplex. C. W. Parks. No. 1,117,234; Nov. 17; Gaz. vol. 208; p. 695.
- Crate. J. F. Carrol. No. 1,118,738; Nov. 24; Gaz. vol. 208; p. 1261.
- Crate, T. H. Menchion. No. 1,107,089; Aug. 11; Gaz. vol. 205; p. 567.
- Crate. A. Munchausen. No. 1,094,463; Apr. 28; Gaz. vol. 201; p. 929.
- Crate. E. F. Ribbeck. No. 1,084,901; Jan. 20; Gaz. vol. 198; p. 605.
- Crate. A. J. Van Dolah. No. 1,104,582; July 21; Gaz. vol. 204; p. 908.
- Crate. J. W. Ward. No. 1,116,651; Nov. 10; Gaz. vol. 208; p. 452.
- Crate. J. M. Zwickle. No. 1,083,787; Jan. 6; Gaz. vol. 198; p. 174.
- Crate. J. M. Zwickle. No. 1,097,502; May 19; Gaz. vol. 202; p. 877.
- Crate and drier, Seed-corn. O. G. Vold. No. 1,108,412; Aug. 25; Gaz. vol. 205; p. 1127.
- Crate, Banana-shipping. T. P. Foley. No. 1,116,259; Nov. 3; Gaz. vol. 208; p. 269.
- Crate, Bottle-. C. A. Seifert. No. 1,111,922; Sept. 29; Gaz. vol. 206; p. 1240.
- Crate, Collapsible. A. Manuel. No. 1,115,706; Nov. 3; Gaz. vol. 208; p. 83.
- Crate, Collapsible. C. T. Marcum. No. 1,122,524; Dec. 29; Gaz. vol. 209; p. 1417.
- Crate, Collapsible egg-. A. Lee. No. 1,106,228; Aug. 4; Gaz. vol. 205; p. 223.
- Crate, Collapsible egg-. E. T. Worster. No. 1,089,614; Mar. 10; Gaz. vol. 200; p. 370.
- Crate, Collapsible shipping-. G. Morgan. No. 1,115,233; Oct. 27; Gaz. vol. 207; p. 1127.
- Crate, Collapsible shipping-. J. Ritchie. No. 1,095,597; May 5; Gaz. vol. 202; p. 145.
- Crate covers, Fastener for collapsible-. M. C. Rogers. No. 1,117,520; Nov. 17; Gaz. vol. 208; p. 795.
- Crate cushion, Egg-. T. E. Rondeau. No. 1,117,447; Nov. 17; Gaz. vol. 208; p. 770.
- Crate, Egg-. C. H. Arnold. No. 1,115,270; Oct. 27; Gaz. vol. 207; p. 1138.
- Crate, Egg-. F. L. L. Scharlach. No. 1,118,154; Nov. 24; Gaz. vol. 208; p. 1056.
- Crate, Egg-. F. W. Schoen. No. 1,109,873; Sept. 8; Gaz. vol. 206; p. 400.
- Crate, Foldable. E. T. Bond. No. 1,085,590; Feb. 3; Gaz. vol. 199; p. 4.
- Crate, Folding. S. Bodor. No. 1,122,678; Dec. 29; Gaz. vol. 209; p. 1473.
- Crate, Folding. J. J. Dahlstrom. No. 1,120,693; Dec. 15; Gaz. vol. 209; p. 707.
- Crate, Folding. G. H. Diers. No. 1,116,250; Nov. 3; Gaz. vol. 208; p. 267.
- Crate, Folding. A. O. Hubbard. No. 1,113,636; Oct. 13; Gaz. vol. 207; p. 469.
- Crate, Folding. M. A. Kerby. No. 1,110,060; Sept. 8; Gaz. vol. 206; p. 466.
- Crate, Folding. D. D. Miller. No. 1,096,553; May 12; Gaz. vol. 202; p. 505.
- Crate, Folding. P. Paul. No. 1,108,615; Aug. 25; Gaz. vol. 205; p. 1199.
- Crate, Folding. S. W. Stalnaker. No. 1,111,811; Sept. 29; Gaz. vol. 206; p. 1201.
- Crate, Folding. J. Szuth. No. 1,110,726; Sept. 15; Gaz. vol. 206; p. 744.

Alphabetical list of inventions—Continued.

- Crate, Folding chicken-. W. E. Brown. No. 1,115,388; Oct. 27; Gaz. vol. 207; p. 1177.
- Crate, Folding egg-. H. E. Fisher. No. 1,106,200; Aug. 4; Gaz. vol. 205; p. 215.
- Crate for eggs, Shipping-. C. Obenauer. No. 1,106,235; Aug. 4; Gaz. vol. 205; p. 225.
- Crate guard, Egg-. G. E. Nystrom. No. 1,103,819; July 14; Gaz. vol. 204; p. 603.
- Crate-joint. F. C. Reinecke. No. 1,098,405; June 2; Gaz. vol. 203; p. 17.
- Crate, Knockdown. J. G. Greene. No. 1,088,565; Feb. 24; Gaz. vol. 199; p. 1174.
- Crate, Knockdown. O. Kling. No. 1,107,312; Aug. 18; Gaz. vol. 205; p. 694.
- Crate, Knockdown metal. J. H. Chamberlin. No. 1,122,858; Dec. 29; Gaz. vol. 209; p. 1536.
- Crate-making machine. M. S. Bennett. No. 1,111,943; Sept. 29; Gaz. vol. 206; p. 1246.
- Crate or box, Folding. A. Von Schluembach. No. 1,111,407; Sept. 22; Gaz. vol. 206; p. 1022.
- Crate or rack making machine. J. W. Schleicher. No. 1,090,655; Mar. 17; Gaz. vol. 200; p. 772.
- Crate, Pineapple-. H. B. Kopf. No. 1,112,145; Sept. 29; Gaz. vol. 206; p. 1313.
- Crate, Pneumatic egg-. D. A. Jones. No. 1,097,804; May 26; Gaz. vol. 202; p. 1028.
- Crate, Shipping-. G. Becker. No. 1,089,896; Mar. 10; Gaz. vol. 200; p. 467.
- Crate, Shipping-. C. Carvill. No. 1,105,253; July 28; Gaz. vol. 204; p. 1188.
- Crate, Shipping-. A. F. Cogswell. No. 1,088,881; Mar. 3; Gaz. vol. 200; p. 71.
- Crate, Shipping-. C. J. Foerster. No. 1,111,146; Sept. 22; Gaz. vol. 206; p. 933.
- Crate, Shipping-. H. B. Kopf. No. 1,102,930; July 7; Gaz. vol. 204; p. 245.
- Crate, Shipping-. H. Leiman. No. 1,097,450; May 19; Gaz. vol. 202; p. 859.
- Crate, Shipping-. N. M. Speedy. No. 1,084,045; Jan. 13; Gaz. vol. 198; p. 291.
- Crate, Shipping-. M. Subert. No. 1,106,011; Aug. 4; Gaz. vol. 205; p. 148.
- Cravat-holder. J. M. Beecher, Jr. No. 1,087,864; Feb. 17; Gaz. vol. 199; p. 890.
- Cravat-holder. J. Philipsburg. No. 1,098,295; May 26; Gaz. vol. 202; p. 1200.
- Cravat-shield. H. L. Goodloe. No. 1,109,748; Sept. 8; Gaz. vol. 206; p. 356.
- Crayon. W. Beckers. No. 1,094,360; Apr. 21; Gaz. vol. 201; p. 830.
- Crayon-machine. C. A. Rittman. No. 1,112,229; Sept. 29; Gaz. vol. 206; p. 1344.
- Crayon-trough. A. Dudfield. No. 1,088,886; Mar. 3; Gaz. vol. 200; p. 73.
- Cream and milk cooler. B. H. Sharp. No. 1,101,340; June 23; Gaz. vol. 203; p. 1155.
- Cream-arrester. E. J. Hachenberger. No. 1,116,585; Nov. 10; Gaz. vol. 208; p. 427.
- Cream, eggs, and other mixtures, Device for whipping. M. I. Boyd. No. 1,116,230; Nov. 3; Gaz. vol. 208; p. 261.
- Cream, Homogenizing. H. N. Brawner, Jr. No. 1,112,594; Oct. 6; Gaz. vol. 207; p. 66.
- Cream of tartar, Manufacture of. H. Cantoni, J. Chautems, and E. Degrange. No. 1,103,658; July 14; Gaz. vol. 204; p. 549.
- Cream of tartar, Manufacture of. J. B. Moszczanski. No. 1,120,839; Dec. 15; Gaz. vol. 209; p. 758.
- Cream, Producing. W. E. McCaddon. No. 1,087,599; Feb. 17; Gaz. vol. 199; p. 799.
- Cream-producing apparatus. W. E. McCaddon. No. 1,094,082; Apr. 21; Gaz. vol. 201; p. 740.
- Cream-remover for milk-bottles. H. L. Reynolds. No. 1,083,560; Jan. 6; Gaz. vol. 198; p. 100.
- Cream-separator. F. A. Falk. No. 1,120,464; Dec. 8; Gaz. vol. 209; p. 579.
- Cream-separator. W. C. Hartmann. No. 1,113,005; Oct. 6; Gaz. vol. 207; p. 206.
- Cream-separator, Centrifugal. J. P. Hultgren. No. 1,101,799; June 30; Gaz. vol. 203; p. 1365.
- Cream-separator, Centrifugal. H. Tödt. No. 1,087,851; Feb. 17; Gaz. vol. 199; p. 886.
- Cream-separators, Adjustable standard for. W. H. Rinebold. No. 1,086,619; Feb. 10; Gaz. vol. 199; p. 409.
- Cream-separators and the like, Shaft-speed indicator for. J. K. Stewart. No. 1,083,638; Jan. 6; Gaz. vol. 198; p. 126.
- Cream-separators, Liner-plate for. G. L. Rubert. No. 1,090,755; Mar. 17; Gaz. vol. 200; p. 802.
- Cream-separators, Liquid-supply-regulating device for. C. G. Runnquist. No. 1,101,964; June 30; Gaz. vol. 203; p. 1423.
- Cream-separators, Supply-can for. W. W. Marsh and C. H. Hackett. No. 1,098,122; May 26; Gaz. vol. 202; p. 1140.
- Cream-tempering device. P. Hanson. No. 1,095,727; May 5; Gaz. vol. 202; p. 189.
- Cream-tempering device. P. Hanson. No. 1,095,729; May 5; Gaz. vol. 202; p. 190.
- Cream-tester. C. D., S. B., and H. H. Katterheinrich and W. J. Hinze. No. 1,084,886; Jan. 20; Gaz. vol. 198; p. 601.
- Creasing-iron. H. W. Pogue. No. 1,095,925; May 5; Gaz. vol. 202; p. 254.
- Credit-marking apparatus. J. J. Leidigh. No. 1,106,463; Aug. 11; Gaz. vol. 205; p. 349.
- Creel, Metallic. W. O. Aldrich. No. 1,104,286; July 21; Gaz. vol. 204; p. 804.
- Creels, Skewer-step for. A. H. Morton. No. 1,101,875; June 30; Gaz. vol. 203; p. 1391.
- Creeper. W. E. Sutton. No. 1,105,008; July 28; Gaz. vol. 204; p. 1102.
- Crematory. E. M. Jones. No. 1,107,615; Aug. 18; Gaz. vol. 205; p. 803.
- Crematory-door. E. M. Jones. No. 1,102,668; July 7; Gaz. vol. 204; p. 157.
- Crib. W. H. Sekrit. No. 1,112,567; Oct. 6; Gaz. vol. 207; p. 55.
- Crib and play-pen, Folding. J. E. Oliphant. No. 1,105,156; July 28; Gaz. vol. 204; p. 1153.
- Crib, Collapsible. S. Jones. No. 1,113,647; Oct. 13; Gaz. vol. 207; p. 473.
- Crib, Collapsible. J. W. Kyle. No. 1,122,284; Dec. 29; Gaz. vol. 209; p. 1336.
- Crib, Folding. F. H. Farrington. No. 1,102,027; June 30; Gaz. vol. 203; p. 1447.
- Crib or bed, Screened. S. and H. L. Caldwell. No. 1,096,221; May 12; Gaz. vol. 202; p. 392.
- Cribs, Antirattling device for sliding-side. C. Vallone. No. 1,103,714; July 14; Gaz. vol. 204; p. 568.
- Crimper mechanism. C. S. Batdorf. No. 1,118,097; Nov. 24; Gaz. vol. 208; p. 1037.
- Crochet-hook. S. S. Sencenbaugh. No. 1,091,395; Mar. 24; Gaz. vol. 200; p. 1052.
- Crochet-machine take-up. S. W. Avis. No. 1,111,986; Sept. 29; Gaz. vol. 206; p. 1259.
- Crochet-machine take-up. S. W. Avis. No. 1,111,987; Sept. 29; Gaz. vol. 206; p. 1259.
- Crochet-machine take-up. J. M. Merrow. No. 1,112,021; Sept. 29; Gaz. vol. 206; p. 1270.
- Crocheting needle, Bead-. C. I. Denner. No. 1,104,640; July 21; Gaz. vol. 204; p. 927.
- Cross-head connection. G. C. Blondo. No. 1,115,276; Oct. 27; Gaz. vol. 207; p. 1140.
- Cross-section contours, Mechanism for delineating. K. A. Edstrom. No. 1,095,317; May 5; Gaz. vol. 202; p. 49.
- Cross-spring. J. E. Skulstad. No. 1,096,570; May 12; Gaz. vol. 202; p. 511.
- Cross-tie. G. F. Brockway. No. 1,103,652; July 14; Gaz. vol. 204; p. 547.
- Cross-tie. L. A. Stoner. No. 1,084,501; Jan. 13; Gaz. vol. 198; p. 438.
- Cross-tie links, Machine for making. G. B. Smith. No. 1,116,506; Nov. 10; Gaz. vol. 208; p. 397.
- Cross-tie, Metal. H. S. Gover. No. 1,096,032; May 12; Gaz. vol. 202; p. 328.
- Cross-tie, Steel. R. G. Peck and S. J. Kocher. No. 1,110,960; Sept. 15; Gaz. vol. 206; p. 826.
- Crotalin preparation. C. A. Wolf. No. 1,092,550; Apr. 7; Gaz. vol. 201; p. 146.
- Crow-jack. H. Thayer. No. 1,111,195; Sept. 22; Gaz. vol. 206; p. 951.
- Crown and facing therefor, Skeleton. E. F. Greer. No. 1,096,712; May 12; Gaz. vol. 202; p. 558.
- Crown-block. R. E. Kline. No. 1,108,078; Aug. 18; Gaz. vol. 205; p. 964.
- Crown holder, Skeleton-. E. F. Greer. No. 1,098,251; May 26; Gaz. vol. 202; p. 1183.
- Crucible-furnace. G. Mellen. No. 1,120,732; Dec. 15; Gaz. vol. 209; p. 721.
- Crucible-furnace, Electric. D. F. Calhane. No. 1,091,808; Mar. 31; Gaz. vol. 200; p. 1240.
- Crucibles, Adjustable holdback for. H. Beulke. No. 1,098,470; June 2; Gaz. vol. 203; p. 39.
- Cruller-shaping machine. I. Heinz. No. 1,099,040; June 2; Gaz. vol. 203; p. 229.
- Crusher: See Grape-crusher; Gyratory crusher; Ice-crusher; Ore-crusher; Rock-crusher; Roll-crusher; Seed-crusher.
- Crusher. E. Friedrich. No. 1,098,105; May 26; Gaz. vol. 202; p. 1135.
- Crusher. O. J. Moussette. No. 1,087,968; Feb. 24; Gaz. vol. 199; p. 974.
- Crusher. A. W. Warsen. No. 1,101,480; June 23; Gaz. vol. 203; p. 1203.
- Crusher. M. F. Williams. No. 1,122,453; Dec. 29; Gaz. vol. 209; p. 1392.
- Crusher-head, Adjustable. E. L. Pemberton. No. 1,089,954; Mar. 10; Gaz. vol. 200; p. 487.
- Crusher or disintegrator. J. E. Baster. No. 1,121,454; Dec. 15; Gaz. vol. 209; p. 972.
- Crushing and grinding mill. A. Caldognetto. No. 1,088,876; Mar. 3; Gaz. vol. 200; p. 70.
- Crushing and pulverizing machine. J. E. Kennedy. No. 1,085,867; Feb. 3; Gaz. vol. 199; p. 102.
- Crushing and pulverizing machine. J. E. Kennedy. No. 1,090,216; Mar. 17; Gaz. vol. 200; p. 619.
- Crushing and pulverizing machine. J. E. Kennedy. No. 1,115,833; Nov. 3; Gaz. vol. 208; p. 124.

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- Crushing-machine. O. G. Dale. No. 1,100,174; June 16; Gaz. vol. 203; p. 700.
- Crushing-machine. T. L. and T. J. Sturtevant. No. 1,105,713; Aug. 4; Gaz. vol. 205; p. 45.
- Crushing-mill. G. L. Abbott. No. 1,103,727; July 14; Gaz. vol. 204; p. 572.
- Crushing-mill. C. G. Mayer, Jr. No. 1,110,218; Sept. 8; Gaz. vol. 206; p. 524.
- Crushing-mill. J. F. O'Neil. No. 1,091,953; Mar. 31; Gaz. vol. 200; p. 1290.
- Crushing-mill. T. J. Sturtevant. No. 1,092,185; Apr. 7; Gaz. vol. 201; p. 21.
- Crushing-mill. T. J. Sturtevant. No. 1,105,712; Aug. 4; Gaz. vol. 205; p. 45.
- Crushing-mill. T. J. Sturtevant. No. 1,107,373; Aug. 18; Gaz. vol. 205; p. 716.
- Crushing-mill. T. J. Sturtevant. No. 1,119,126; Dec. 1; Gaz. vol. 209; p. 79.
- Crushing-mill. T. J. Sturtevant. No. 1,122,552; Dec. 29; Gaz. vol. 209; p. 1426.
- Crushing-mill. T. L. and T. J. Sturtevant. No. 1,083,951; Jan. 13; Gaz. vol. 198; p. 257.
- Crushing or pulverizing mill. T. J. Sturtevant. No. 1,120,250; Dec. 8; Gaz. vol. 209; p. 502.
- Crushing-roll. T. B. Crowe. No. 1,090,601; Mar. 17; Gaz. vol. 200; p. 755.
- Crushing-rolls, Teeth for. J. S. Johnson. No. 1,109,762; Sept. 8; Gaz. vol. 206; p. 361.
- Crushing-roller. J. C. Reid. No. 1,108,850; Aug. 25; Gaz. vol. 205; p. 1279.
- Crushing-roller. M. A. Smith. No. 1,089,017; Mar. 3; Gaz. vol. 200; p. 117.
- Crustacea hook and trap. E. V. Parker. No. 1,118,439; Nov. 24; Gaz. vol. 208; p. 1158.
- Crutch. D. B. Monroe. No. 1,107,981; Aug. 18; Gaz. vol. 205; p. 929.
- Crutch. S. H. Norton. No. 1,090,940; Mar. 24; Gaz. vol. 200; p. 899.
- Crutch. N. Sharp. No. 1,088,630; Feb. 24; Gaz. vol. 199; p. 1196.
- Crutches, Calk attachment for. S. H. Appelman. No. 1,090,960; Mar. 24; Gaz. vol. 200; p. 906.
- Crypt structure, Plural-. C. H. Leland and H. S. Webber. No. 1,093,940; Apr. 21; Gaz. vol. 201; p. 693.
- Cube-cutting machine. F. H. Merrell. No. 1,103,604; July 14; Gaz. vol. 204; p. 528.
- Cue-chalking device. H. H. Leece. No. 1,114,490; Oct. 20; Gaz. vol. 207; p. 813.
- Cue-tip. P. Balzano. No. 1,089,812; Mar. 10; Gaz. vol. 200; p. 437.
- Cue-tip and fastening means therefor. J. M. Robinette. No. 1,111,497; Sept. 22; Gaz. vol. 206; p. 1054.
- Cue-tip clamp. T. R. Trieber. No. 1,099,675; June 9; Gaz. vol. 203; p. 492.
- Cue tip, Pool-. W. F. Richardson. No. 1,095,927; May 5; Gaz. vol. 202; p. 255.
- Cuff. W. C. P. Baldwin. No. 1,120,666; Dec. 15; Gaz. vol. 209; p. 698.
- Cuff. G. P. Helmers. No. 1,105,779; Aug. 4; Gaz. vol. 205; p. 68.
- Cuff, Detachable. A. O. Holverson. No. 1,097,024; May 19; Gaz. vol. 202; p. 711.
- Cuff for shirts, Reversible attached. O. J. Haabestad. No. 1,085,414; Jan. 27; Gaz. vol. 198; p. 818.
- Cuff-holder. F. P. De Wilde. No. 1,111,367; Sept. 22; Gaz. vol. 206; p. 1009.
- Cuff-holder. C. M. Hollingsworth. No. 1,106,653; Aug. 11; Gaz. vol. 205; p. 418.
- Cuff-link and the like. C. W. T. Davies. No. 1,088,809; Mar. 3; Gaz. vol. 200; p. 46.
- Cuff-pins, Pin-tongue for. W. W. Williams. No. 1,086,430; Feb. 10; Gaz. vol. 199; p. 341.
- Cuff-press. L. F. Bowers. No. 1,109,508; Sept. 1; Gaz. vol. 206; p. 228.
- Cuff-protector or hook. E. S. Antisdale. No. 1,089,738; Mar. 10; Gaz. vol. 200; p. 413.
- Cuff-protector, Sanitary. G. W. Wilson. No. 1,089,612; Mar. 10; Gaz. vol. 200; p. 370.
- Cuff, Reversible. I. Berkenfeld. No. 1,085,791; Feb. 3; Gaz. vol. 199; p. 77.
- Cuff, Reversible. M. Binswanger. No. 1,097,517; May 19; Gaz. vol. 202; p. 882.
- Cuff, Sanitary. H. Walsh. No. 1,116,521; Nov. 10; Gaz. vol. 208; p. 403.
- Cuff, Shirt-. A. Paradis. No. 1,089,782; Mar. 10; Gaz. vol. 200; p. 427.
- Culinary apparatus. T. Abtmeyer. No. 1,121,575; Dec. 15; Gaz. vol. 209; p. 1015.
- Culinary apparatus. M. Pouget. No. 1,100,444; June 16; Gaz. vol. 203; p. 793.
- Culinary apparatus, Electrically-heated. J. I. Ayer. No. 1,120,884; Dec. 15; Gaz. vol. 209; p. 775.
- Culinary article. C. Nelson. No. 1,096,456; May 12; Gaz. vol. 202; p. 473.
- Culinary implement. S. H. Doscher. No. 1,116,035; Nov. 3; Gaz. vol. 208; p. 195.
- Culinary implement. C. L. Meyer. No. 1,098,747; June 2; Gaz. vol. 203; p. 133.
- Culinary knife. C. Erikson. No. 1,117,355; Nov. 17; Gaz. vol. 208; p. 738.
- Culinary knife. G. A. Meyer. No. 1,118,507; Nov. 24; Gaz. vol. 208; p. 1182.
- Culinary stand. M. Agier. No. 1,099,154; June 9; Gaz. vol. 203; p. 311.
- Culinary timing apparatus. B. F. Flegel. No. 1,097,753; May 26; Gaz. vol. 202; p. 1009.
- Culinary utensil. N. S. Harter. No. 1,087,943; Feb. 24; Gaz. vol. 199; p. 964.
- Culinary utensil. N. S. Harter. No. 1,112,447; Oct. 6; Gaz. vol. 207; p. 11.
- Culinary vessel. B. N. Crim. No. 1,112,684; Oct. 6; Gaz. vol. 207; p. 98.
- Cultivating-machine. P. A. Johnson. No. 1,088,075; Feb. 24; Gaz. vol. 199; p. 1011.
- Cultivating-machine. W. Latham. No. 1,110,393; Sept. 15; Gaz. vol. 206; p. 626.
- Cultivation of land, Machine for the. J. Hering. No. 1,120,487; Dec. 8; Gaz. vol. 209; p. 587.
- Cultivation shovel attachment, Tobacco-. R. Grinde. No. 1,085,204; Jan. 27; Gaz. vol. 198; p. 745.
- Cultivator. C. H. Anderson. No. 1,102,381; July 7; Gaz. vol. 204; p. 55.
- Cultivator. S. E. Bailor. No. 1,084,123; Jan. 13; Gaz. vol. 198; p. 317.
- Cultivator. A. J. Barnhart. No. 1,107,570; Aug. 18; Gaz. vol. 205; p. 787.
- Cultivator. H. L. Bell. No. 1,108,319; Aug. 25; Gaz. vol. 205; p. 1097.
- Cultivator. J. B. Boldin. No. 1,087,270; Feb. 17; Gaz. vol. 199; p. 685.
- Cultivator. I. R. Carroll. No. 1,109,661; Sept. 8; Gaz. vol. 206; p. 323.
- Cultivator. W. L. Carter and D. B. Stults. No. 1,112,889; Oct. 6; Gaz. vol. 207; p. 167.
- Cultivator. E. M. Cole. No. 1,114,117; Oct. 20; Gaz. vol. 207; p. 678.
- Cultivator. C. S. Corkhill. No. 1,103,350; July 14; Gaz. vol. 204; p. 440.
- Cultivator. C. F. Davis. No. 1,104,636; July 21; Gaz. vol. 204; p. 925.
- Cultivator. M. M. Decker. No. 1,104,293; July 21; Gaz. vol. 204; p. 805.
- Cultivator. R. Dinse. No. 1,086,905; Feb. 10; Gaz. vol. 199; p. 508.
- Cultivator. A. W. Ferguson. No. 1,098,563; June 2; Gaz. vol. 203; p. 73.
- Cultivator. T. J. Fite and F. P. Jacobs. No. 1,084,142; Jan. 13; Gaz. vol. 198; p. 324.
- Cultivator. J. G. Frederick. No. 1,086,761; Feb. 10; Gaz. vol. 199; p. 459.
- Cultivator. H. Gaddie. No. 1,091,056; Mar. 24; Gaz. vol. 200; p. 939.
- Cultivator. M. P. Gerbing. No. 1,092,987; Apr. 14; Gaz. vol. 201; p. 331.
- Cultivator. B. E. Gregg. No. 1,111,378; Sept. 22; Gaz. vol. 206; p. 1012.
- Cultivator. F. Harris. No. 1,094,437; Apr. 28; Gaz. vol. 201; p. 918.
- Cultivator. J. Hecht. No. 1,092,990; Apr. 14; Gaz. vol. 201; p. 332.
- Cultivator. J. I. Hoke. No. 1,104,191; July 21; Gaz. vol. 204; p. 771.
- Cultivator. A. Holland. No. 1,105,198; July 28; Gaz. vol. 204; p. 1168.
- Cultivator. J. A. Hornbeck. No. 1,107,071; Aug. 11; Gaz. vol. 205; p. 560.
- Cultivator. D. L. Keck. No. 1,116,594; Nov. 10; Gaz. vol. 208; p. 430.
- Cultivator. L. E. Kelley. No. 1,088,705; Mar. 3; Gaz. vol. 200; p. 12.
- Cultivator. T. C. Kevitt. No. 1,113,563; Oct. 13; Gaz. vol. 207; p. 446.
- Cultivator. E. Lavoie. No. 1,091,358; Mar. 24; Gaz. vol. 200; p. 1040.
- Cultivator. P. A. Lewis and H. N. Faas. No. 1,093,789; Apr. 21; Gaz. vol. 201; p. 642.
- Cultivator. A. C. Lindgren. No. 1,106,722; Aug. 11; Gaz. vol. 205; p. 441.
- Cultivator. S. B. Lyon. No. 1,109,438; Sept. 1; Gaz. vol. 206; p. 206.
- Cultivator. A. McLeod. No. 1,087,289; Feb. 17; Gaz. vol. 199; p. 726.
- Cultivator. F. F. Meeker. No. 1,111,967; Sept. 29; Gaz. vol. 206; p. 1253.
- Cultivator. C. H. Melvin. No. 1,096,852; May 19; Gaz. vol. 202; p. 650.
- Cultivator. C. W. Michael. No. 1,084,557; Jan. 13; Gaz. vol. 198; p. 459.
- Cultivator. C. W. Michael. No. 1,100,387; June 16; Gaz. vol. 203; p. 774.
- Cultivator. S. Overall. No. 1,111,231; Sept. 22; Gaz. vol. 206; p. 963.
- Cultivator. C. E. Oxford and J. A. Upchurch. No. 1,096,560; May 12; Gaz. vol. 202; p. 507.
- Cultivator. J. P. Pate. No. 1,091,760; Mar. 31; Gaz. vol. 200; p. 1221.
- Cultivator. L. L. Payne. No. 1,087,395; Feb. 17; Gaz. vol. 199; p. 728.
- Cultivator. C. A. Peterson. No. 1,118,511; Nov. 24; Gaz. vol. 208; p. 1183.

Alphabetical list of inventions—Continued.

- Cultivator. H. Petersen. No. 1,084,166; Jan. 13; Gaz. vol. 198; p. 331.
- Cultivator. H. Petersen. No. 1,084,291; Jan. 13; Gaz. vol. 198; p. 373.
- Cultivator. S. D. Poole. No. 1,116,839; Nov. 10; Gaz. vol. 208; p. 518.
- Cultivator. A. Rasmussen. No. 1,114,520; Oct. 20; Gaz. vol. 207; p. 823.
- Cultivator. C. E. Rodgers. No. 1,102,957; July 7; Gaz. vol. 204; p. 254.
- Cultivator. L. M. Rumley and C. H. McFarling. No. 1,092,665; Apr. 7; Gaz. vol. 201; p. 187.
- Cultivator. C. H. Schenck. No. 1,084,823; Jan. 20; Gaz. vol. 198; p. 580.
- Cultivator. L. W. Simmons. No. 1,107,856; Aug. 18; Gaz. vol. 205; p. 888.
- Cultivator. W. E. Smith. No. 1,087,991; Feb. 24; Gaz. vol. 199; p. 982.
- Cultivator. S. S. Swanson. No. 1,104,329; July 21; Gaz. vol. 204; p. 818.
- Cultivator. S. S. Swanson. No. 1,108,020; Aug. 18; Gaz. vol. 205; p. 944.
- Cultivator. W. J. Tisdale. No. 1,118,882; Nov. 24; Gaz. vol. 208; p. 1309.
- Cultivator. J. C. Turnipseed. No. 1,095,047; Apr. 28; Gaz. vol. 201; p. 1133.
- Cultivator. C. E. Ward. No. 1,100,512; June 16; Gaz. vol. 203; p. 816.
- Cultivator. R. F. Ward. No. 1,117,728; Nov. 17; Gaz. vol. 208; p. 870.
- Cultivator. F. C. Warne. No. 1,104,027; July 21; Gaz. vol. 204; p. 715.
- Cultivator. F. C. Warne. No. 1,107,390; Aug. 18; Gaz. vol. 205; p. 723.
- Cultivator. F. C. Warne. No. 1,110,471; Sept. 15; Gaz. vol. 206; p. 654.
- Cultivator. T. S. Warner. No. 1,108,286; Aug. 25; Gaz. vol. 205; p. 1086.
- Cultivator. J. Westmoreland. No. 1,088,757; Mar. 3; Gaz. vol. 200; p. 29.
- Cultivator. D. H. Young. No. 1,122,837; Dec. 29; Gaz. vol. 209; p. 1528.
- Cultivator and weed-cutter, Combined. J. M. Zentz. No. 1,112,046; Sept. 29; Gaz. vol. 206; p. 1279.
- Cultivator attachment. J. J. Gage. No. 1,086,449; Feb. 10; Gaz. vol. 199; p. 349.
- Cultivator attachment. A. L. Hafer. No. 1,097,094; May 19; Gaz. vol. 202; p. 736.
- Cultivator attachment. G. Leischner. No. 1,100,313; June 16; Gaz. vol. 203; p. 748.
- Cultivator attachment. G. O. Patterson. No. 1,118,225; Nov. 24; Gaz. vol. 208; p. 1081.
- Cultivator attachment. W. R. Sturgiss. No. 1,107,864; Aug. 18; Gaz. vol. 205; p. 891.
- Cultivator attachment. J. L. Terrel. No. 1,114,310; Oct. 20; Gaz. vol. 207; p. 747.
- Cultivator attachment. R. Thompson and C. Eirich. No. 1,091,403; Mar. 24; Gaz. vol. 200; p. 1055.
- Cultivator attachment, Disk-furrow-. B. H. Whipple. No. 1,094,504; Apr. 28; Gaz. vol. 201; p. 943.
- Cultivator-blade. F. Lotter. No. 1,103,595; July 14; Gaz. vol. 204; p. 525.
- Cultivator-blades, Mounting for. L. Willis. No. 1,118,090; Nov. 24; Gaz. vol. 208; p. 1034.
- Cultivator cotton-chopper attachment. R. L. Williams. No. 1,084,052; Jan. 13; Gaz. vol. 198; p. 293.
- Cultivator, Disk. W. H. Atkinson. No. 1,096,664; May 12; Gaz. vol. 202; p. 542.
- Cultivator, Disk. M. A. Maas. No. 1,116,454; Nov. 10; Gaz. vol. 208; p. 377.
- Cultivator, Double-row. E. K. Reiher. No. 1,114,911; Oct. 27; Gaz. vol. 207; p. 1011.
- Cultivator draft attachment. B. Poff. No. 1,099,817; June 9; Gaz. vol. 203; p. 539.
- Cultivator equalizer, Five-horse-. W. H. H. Rathbun. No. 1,100,988; June 23; Gaz. vol. 203; p. 1035.
- Cultivator gang connection. S. H. Phelps. No. 1,109,175; Sept. 1; Gaz. vol. 206; p. 114.
- Cultivator, Garden-. P. Smith. No. 1,102,097; June 30; Gaz. vol. 203; p. 1471.
- Cultivator, Hand-. J. B. Soward. No. 1,091,712; Mar. 31; Gaz. vol. 200; p. 1204.
- Cultivator harrow attachment. C. C. Dean. No. 1,112,199; Sept. 29; Gaz. vol. 206; p. 1333.
- Cultivator-hopple. J. E. McCannless. No. 1,085,623; Feb. 3; Gaz. vol. 199; p. 15.
- Cultivator-keel. G. L. Jones. No. 1,109,532; Sept. 1; Gaz. vol. 206; p. 236.
- Cultivator locking and releasing device. H. Petersen. No. 1,111,920; Sept. 29; Gaz. vol. 206; p. 1239.
- Cultivator raising and lowering device, Pivot-wheel-. C. Defresce. No. 1,117,804; Nov. 17; Gaz. vol. 208; p. 897.
- Cultivator, Riding-. W. S. Graham. No. 1,092,481; Apr. 7; Gaz. vol. 201; p. 125.
- Cultivator-shield. S. M. Firebaugh. No. 1,109,978; Sept. 8; Gaz. vol. 206; p. 438.
- Cultivator-shield holder. G. H. Flint. No. 1,110,048; Sept. 8; Gaz. vol. 206; p. 463.
- Cultivator-shovel. F. J. Casey. No. 1,121,711; Dec. 22; Gaz. vol. 209; p. 1099.
- Cultivator-shovel. L. B. Katterhenry. No. 1,099,304; June 9; Gaz. vol. 203; p. 363.
- Cultivator, Spike-tooth. L. Willis. No. 1,098,930; June 2; Gaz. vol. 203; p. 195.
- Cultivator-spreader. R. C. Nevins. No. 1,095,514; May 5; Gaz. vol. 202; p. 118.
- Cultivator-steering device. A. T. Holmes. No. 1,093,421; Apr. 14; Gaz. vol. 201; p. 479.
- Cultivator, Sulky or wheeled. W. J. Gelink. No. 1,117,027; Nov. 10; Gaz. vol. 208; p. 582.
- Cultivator, Surface-. J. W. Funk, Jr. No. 1,122,899; Dec. 29; Gaz. vol. 209; p. 1550.
- Cultivator-teeth, Form and attachment for. D. H. Young. No. 1,112,045; Sept. 29; Gaz. vol. 206; p. 1279.
- Cultivator, Three-row wheel corn-. E. W. Owens. No. 1,105,450; July 28; Gaz. vol. 204; p. 1259.
- Cultivator-tooth. R. E. McCulley, W. G. Rae, and D. B. Forward. No. 1,108,600; Aug. 25; Gaz. vol. 205; p. 1194.
- Cultivator-tooth clamp. C. E. Bean. No. 1,113,293; Oct. 13; Gaz. vol. 207; p. 350.
- Cultivator, Wheeled. D. T. Denton. No. 1,122,370; Dec. 29; Gaz. vol. 209; p. 1365.
- Cultivators and the like, Implement-adjusting device for. R. J. Manderfield. No. 1,091,681; Mar. 31; Gaz. vol. 200; p. 1193.
- Cultivators and weedeers, Brush-drum for. F. A. Wheelock. No. 1,084,987; Jan. 20; Gaz. vol. 198; p. 634.
- Cultivators, Cotton-blocking attachment for. J. C. Wright. No. 1,087,341; Feb. 17; Gaz. vol. 199; p. 708.
- Cultivators, Cotton-chopper attachment for. J. Goodrum. No. 1,115,425; Oct. 27; Gaz. vol. 207; p. 1191.
- Cultivators, Driving mechanism for motor-driven. K. H. W. L. Seck. No. 1,085,362; Jan. 27; Gaz. vol. 198; p. 801.
- Cultivators, Hobble-arch for. R. P. Rutledge, R. G. Boland, and J. A. Devault. No. 1,094,598; Apr. 28; Gaz. vol. 201; p. 974.
- Cultivators, Plant-lifting attachment for. W. Woodall. No. 1,122,184; Dec. 22; Gaz. vol. 209; p. 1262.
- Cultivators, Weed-cutting attachment for. C. Armstrong. No. 1,092,002; Mar. 31; Gaz. vol. 200; p. 1305.
- Culvert. F. E. Arndt. No. 1,096,985; May 19; Gaz. vol. 202; p. 697.
- Culvert. D. C. Boyd. No. 1,096,993; May 19; Gaz. vol. 202; p. 699.
- Culvert. D. C. Boyd. No. 1,096,994; May 19; Gaz. vol. 202; p. 700.
- Culvert. D. C. Boyd. No. 1,096,995; May 19; Gaz. vol. 202; p. 700.
- Culvert. J. P. Dolan. No. 1,110,047; Sept. 8; Gaz. vol. 206; p. 462.
- Culvert. W. H. Franklin. No. 1,120,471; Dec. 8; Gaz. vol. 209; p. 581.
- Culvert or casing, Draining. A. Smith. No. 1,105,539; July 28; Gaz. vol. 204; p. 1290.
- Culvert-pipe, Corrugated. C. E. Martin. No. 1,083,548; Jan. 6; Gaz. vol. 198; p. 96.
- Culverts, Bank-retainer for. B. Scully and A. E. Rigby. No. 1,098,766; June 2; Gaz. vol. 203; p. 139.
- Cup: See Batter-cup; Dice-cup; Drinking-cup; Golf-putting cup; Grease-cup; Impression-cup; Lubricant-cup; Milking-machine teat-cup; Oil-cup; Paper drinking-cup; Paste-cup; Priming-cup; Shaving-cup; Spotting-cup; Sputum-cup; Turpentine-cup; Valve-cup.
- Cup-dispenser. L. S. Flatau. No. 1,096,499; May 12; Gaz. vol. 202; p. 487.
- Cup holder, Conical-sanitary-. E. C. Haldeman. No. 1,113,618; Oct. 13; Gaz. vol. 207; p. 463.
- Cup holder, Drinking-. C. Mettler. No. 1,112,824; Oct. 6; Gaz. vol. 207; p. 144.
- Cup package, Sanitary-drinking-. J. D. Tschopik. No. 1,101,107; June 23; Gaz. vol. 203; p. 1075.
- Cup packet, Drinking-. W. E. Claussen. No. 1,109,162; Sept. 1; Gaz. vol. 206; p. 108.
- Cupola. P. E. A. Cerieys. No. 1,099,737; June 9; Gaz. vol. 203; p. 512.
- Cupola. F. H. Heise. No. 1,106,215; Aug. 4; Gaz. vol. 205; p. 219.
- Cupola-furnace. E. Schürmann. No. 1,112,846; Oct. 6; Gaz. vol. 207; p. 152.
- Cupola-furnace. M. Zippler, Jr. No. 1,092,623; Apr. 7; Gaz. vol. 201; p. 173.
- Cuprammonium solutions, Producing. B. Borzykowski. No. 1,100,518; June 16; Gaz. vol. 203; p. 818.
- Curb-box. H. O. Johnson and D. Keefe. No. 1,099,804; June 9; Gaz. vol. 203; p. 534.
- Curb-box. C. E. Tyler and E. D. Every. No. 1,108,031; Aug. 18; Gaz. vol. 205; p. 948.
- Curbing, Metal-bound. A. E. Davis. No. 1,105,260; July 28; Gaz. vol. 204; p. 1190.
- Curette. A. W. Jones. No. 1,092,914; Apr. 14; Gaz. vol. 201; p. 306.
- Curler and the like, Electric. E. Schwartz. No. 1,090,238; Mar. 17; Gaz. vol. 200; p. 627.
- Curler, Hair-. J. L. Devaney. No. 1,121,719; Dec. 22; Gaz. vol. 209; p. 1102.
- Curling-iron heater, Electric. C. H. Austin. No. 1,090,672; Mar. 17; Gaz. vol. 200; p. 777.
- Curling-machine. R. Sumner. No. 1,100,456; June 16; Gaz. vol. 203; p. 798.

Alphabetical list of inventions—Continued.

- Curling-machine. A. G. Thienel. No. 1,116,164; Nov. 3; Gaz. vol. 208; p. 239.
- Currency-holder. F. J. Kohlhaas. No. 1,120,150; Dec. 8; Gaz. vol. 209; p. 467.
- Currency or the like. Device for handling. W. Moore. No. 1,096,936; May 19; Gaz. vol. 202; p. 680.
- Current-amplifying apparatus and circuit. H. E. Shreeve. No. 1,093,888; Apr. 21; Gaz. vol. 201; p. 676.
- Current arrester, Directional-. P. C. Hewitt. No. 1,097,547; May 19; Gaz. vol. 202; p. 892.
- Current arrester, Directional-. P. C. Hewitt. No. 1,110,546; Sept. 15; Gaz. vol. 206; p. 679.
- Current arrester, Single-phase-directional-. P. C. Hewitt. No. 1,097,321; May 19; Gaz. vol. 202; p. 816.
- Current-collector. F. E. Case. No. 1,098,661; June 2; Gaz. vol. 203; p. 104.
- Current-collector and making the same. E. G. Gilson. No. 1,089,700; Mar. 10; Gaz. vol. 200; p. 400.
- Current-conductors, Outlet-fixture for. W. M. Webb. No. 1,112,953; Oct. 6; Gaz. vol. 207; p. 189.
- Current-controller, Automatic. H. Meredith-Jones. No. 1,096,934; May 19; Gaz. vol. 202; p. 679.
- Current-controlling apparatus. E. L. Gale, Sr. No. 1,089,920; Mar. 10; Gaz. vol. 200; p. 476.
- Current-controlling apparatus. E. L. Gale, Sr. No. 1,120,708; Dec. 15; Gaz. vol. 209; p. 712.
- Current-controlling apparatus. W. S. Morse. No. 1,103,528; July 14; Gaz. vol. 204; p. 499.
- Current-controlling apparatus, Alternating-. E. L. Gale, Sr. No. 1,089,919; Mar. 10; Gaz. vol. 200; p. 476.
- Current-controlling mechanism. L. T. Rhoades. No. 1,087,461; Feb. 17; Gaz. vol. 199; p. 752.
- Current-discharge-distributing system. J. P. Juley. No. 1,097,232; May 19; Gaz. vol. 202; p. 785.
- Current-distributing network. G. Wolff. No. 1,098,204; May 26; Gaz. vol. 202; p. 1167.
- Current-distributing system, Alternating-. G. Berry. No. 1,101,051; June 23; Gaz. vol. 203; p. 1057.
- Current generator, Alternate-. V. A. Fynn. No. 1,104,183; July 21; Gaz. vol. 204; p. 768.
- Current generator, Alternating-. H. D. Arnold. No. 1,118,174; Nov. 24; Gaz. vol. 208; p. 1063.
- Current generator, Continuous-. K. Greuner. No. 1,090,048; Mar. 10; Gaz. vol. 200; p. 519.
- Current generator, Double-. F. H. Wade and W. E. Bauerle. No. 1,097,742; May 26; Gaz. vol. 202; p. 1006.
- Current generator, Variable-speed direct-. A. Richter. No. 1,115,452; Oct. 27; Gaz. vol. 207; p. 1199.
- Current-motor. E. C. Akers. No. 1,121,447; Dec. 15; Gaz. vol. 209; p. 970.
- Current-motor. E. S. Bayley. No. 1,111,350; Sept. 22; Gaz. vol. 206; p. 1003.
- Current-motor. O. D. Booth. No. 1,112,352; Sept. 29; Gaz. vol. 206; p. 1386.
- Current-motor. W. Henry. No. 1,109,839; Sept. 8; Gaz. vol. 206; p. 387.
- Current-motor. J. W. Larimore. No. 1,096,435; May 12; Gaz. vol. 202; p. 466.
- Current-motor. J. W. Laurent. No. 1,114,489; Oct. 20; Gaz. vol. 207; p. 813.
- Current-motor. P. A. C. Moore. No. 1,103,426; July 14; Gaz. vol. 204; p. 464.
- Current-motor. B. Williams and T. H. Norman. No. 1,122,182; Dec. 22; Gaz. vol. 209; p. 1262.
- Current motor, Alternating-. A. C. and T. R. Bell. No. 1,089,815; Mar. 10; Gaz. vol. 200; p. 439.
- Current motor, Alternating-. V. A. Fynn. No. 1,085,807; Feb. 3; Gaz. vol. 199; p. 82.
- Current motor, Alternating-. V. A. Fynn. No. 1,085,808; Feb. 3; Gaz. vol. 199; p. 82.
- Current motor, Alternating-. V. A. Fynn. No. 1,101,069; June 23; Gaz. vol. 203; p. 1063.
- Current motor, Alternating-. V. A. Fynn. No. 1,122,491; Dec. 29; Gaz. vol. 209; p. 1406.
- Current motor, Alternating-. V. M. Harris. No. 1,120,615; Dec. 8; Gaz. vol. 209; p. 632.
- Current motor, Alternating-. B. McCollom. No. 1,095,586; May 5; Gaz. vol. 202; p. 141.
- Current motor, Alternating-. S. Sparrow. No. 1,097,823; May 26; Gaz. vol. 202; p. 1034.
- Current-operated device. F. Bernatz. No. 1,105,745; Aug. 4; Gaz. vol. 205; p. 56.
- Current-rectifying apparatus. F. Conrad. No. 1,112,265; Sept. 29; Gaz. vol. 206; p. 1356.
- Current-rectifying apparatus, Alternating-. C. P. Steinmetz. No. 1,095,170; Apr. 28; Gaz. vol. 201; p. 1176.
- Current regulator, Alternating-. S. E. Johannesen. No. 1,088,704; Mar. 3; Gaz. vol. 200; p. 12.
- Current regulator, Constant-. A. A. Tirrill. No. 1,098,649; June 2; Gaz. vol. 203; p. 100.
- Current system, High-tension-. R. Raines. No. 1,103,835; July 14; Gaz. vol. 204; p. 608.
- Current through a vapor, Transmitting alternating. E. Weintraub. No. 1,115,631; Nov. 3; Gaz. vol. 208; p. 55.
- Current-transforming device. A. R. Bullock. No. 1,119,397; Dec. 1; Gaz. vol. 209; p. 172.
- Current-translating device, Alternating-. L. F. Howard. No. 1,116,283; Nov. 3; Gaz. vol. 208; p. 278.
- Current velocities and the cross-sections of rivers and the like, Indicator for determining and recording the. C. Theune. No. 1,103,099; July 14; Gaz. vol. 204; p. 351.
- Current-wheel. O. W. Watson. No. 1,083,472; Jan. 6; Gaz. vol. 198; p. 71.
- Current-wheel. O. W. Watson. No. 1,120,109; Dec. 8; Gaz. vol. 209; p. 451.
- Currents, Apparatus for the production of high-frequency oscillating. A. A. Jahnke. No. 1,115,823; Nov. 3; Gaz. vol. 208; p. 119.
- Currents, Arrester for strong. H. W. Garton. No. 1,105,557; July 28; Gaz. vol. 204; p. 1296.
- Currents, Asymmetrical vapor-conducting medium for alternating. O. Holz. No. 1,119,600; Dec. 1; Gaz. vol. 209; p. 241.
- Currents in magneto-machines and dynamos, Device for the production of induced. A. Keller-Dorian. No. 1,095,118; Apr. 28; Gaz. vol. 201; p. 1155.
- Currents of high frequency, Means for producing oscillating. A. H. Cohen. No. 1,110,253; Sept. 8; Gaz. vol. 206; p. 536.
- Currents, System for producing high-frequency. E. Girardeau and J. Bethenod. No. 1,101,491; June 23; Gaz. vol. 203; p. 1207.
- Currycomb. N. H. Burns. No. 1,093,107; Apr. 14; Gaz. vol. 201; p. 372.
- Currycomb. M. E. Chilson. No. 1,092,022; Mar. 31; Gaz. vol. 200; p. 1310.
- Currycomb. A. B. Line. No. 1,086,188; Feb. 3; Gaz. vol. 199; p. 215.
- Currycomb. L. Noble. No. 1,095,515; May 5; Gaz. vol. 202; p. 118.
- Currycomb. J. B. Prouty and A. H. Matthew. No. 1,085,063; Jan. 20; Gaz. vol. 198; p. 659.
- Currycomb. R. F. Simmons and C. Francisco. No. 1,089,368; Mar. 3; Gaz. vol. 200; p. 236.
- Currycomb. H. R. Suits. No. 1,121,687; Dec. 22; Gaz. vol. 209; p. 1090.
- Currycomb-cleaner. W. A. Marshall. No. 1,098,631; June 2; Gaz. vol. 203; p. 95.
- Curtain. G. E. Lackey. (Reissue.) No. 13,811; Oct. 20; Gaz. vol. 207; p. 889.
- Curtain adjusting and holding device. H. H. Schroyer. No. 1,097,676; May 26; Gaz. vol. 202; p. 982.
- Curtain and drape rods, Support for. E. Lewerenz. No. 1,088,430; Feb. 24; Gaz. vol. 199; p. 1132.
- Curtain and pole fixture. E. H. Powell. No. 1,091,958; Mar. 31; Gaz. vol. 200; p. 1291.
- Curtain and shade bracket, Window. O. W. Cooper. No. 1,110,111; Sept. 8; Gaz. vol. 206; p. 487.
- Curtain and shade-roller supporter. A. Kalosky. No. 1,086,919; Feb. 10; Gaz. vol. 199; p. 513.
- Curtain and shade support. W. Michalski. No. 1,098,821; June 2; Gaz. vol. 203; p. 157.
- Curtain-bracket and window-shade support, Combined. R. A. Martin. No. 1,100,839; June 23; Gaz. vol. 203; p. 981.
- Curtain-bracket fixture, Adjustable. E. Burgoyne. No. 1,120,902; Dec. 15; Gaz. vol. 209; p. 781.
- Curtain-clasp. W. H. Wallin. No. 1,092,679; Apr. 7; Gaz. vol. 201; p. 191.
- Curtain-fastener. A. H. Greenebaum. No. 1,086,764; Feb. 10; Gaz. vol. 199; p. 459.
- Curtain-fastener. J. Haas, Jr. No. 1,093,927; Apr. 21; Gaz. vol. 201; p. 689.
- Curtain-fastener, Vehicle. F. A. Neider. No. 1,113,677; Oct. 13; Gaz. vol. 207; p. 483.
- Curtain-fastening device. J. D. Heater. No. 1,122,390; Dec. 29; Gaz. vol. 209; p. 1371.
- Curtain-fixture. J. Becker. No. 1,091,876; Mar. 31; Gaz. vol. 200; p. 1264.
- Curtain-fixture. I. E. Capehart. No. 1,102,976; July 7; Gaz. vol. 204; p. 260.
- Curtain-fixture. J. D. Heater. No. 1,104,358; July 21; Gaz. vol. 204; p. 829.
- Curtain-fixture. W. Martin. No. 1,107,334; Aug. 18; Gaz. vol. 205; p. 702.
- Curtain-fixture. G. E. Molyneux. No. 1,109,860; Sept. 8; Gaz. vol. 206; p. 395.
- Curtain-fixture. A. C. Rader. No. 1,113,689; Oct. 13; Gaz. vol. 207; p. 488.
- Curtain-fixture. A. C. Rader. No. 1,113,690; Oct. 13; Gaz. vol. 207; p. 489.
- Curtain-fixture. A. Schoendelen. No. 1,104,142; July 21; Gaz. vol. 204; p. 754.
- Curtain-fixture. A. Sekulo. No. 1,087,611; Feb. 17; Gaz. vol. 199; p. 803.
- Curtain fixture, Diaphragm-. R. T. Axe. No. 1,097,119; May 19; Gaz. vol. 202; p. 744.
- Curtain for vehicle-tops, Dividing. W. C. Sweet. No. 1,111,813; Sept. 29; Gaz. vol. 206; p. 1202.
- Curtain for vestibule-cars, Guard-. P. G. Emery. No. 1,109,744; Sept. 8; Gaz. vol. 206; p. 355.
- Curtain-hanger clamp. N. E. Larson. No. 1,085,690; Feb. 3; Gaz. vol. 199; p. 89.
- Curtain-holder. A. A. Girard. No. 1,099,034; June 2; Gaz. vol. 203; p. 228.
- Curtain-holder. J. Greenhouse. No. 1,089,049; Mar. 3; Gaz. vol. 200; p. 128.
- Curtain-holder. C. F. James. No. 1,084,941; Jan. 20; Gaz. vol. 198; p. 619.

Alphabetical list of inventions—Continued.

- Curtain-holder. W. B. Roberts. No. 1,093,649; Apr. 21; Gaz. vol. 201; p. 595.
- Curtain holder, Automatic vestibule-. C. R. Viquist. No. 1,092,190; Apr. 7; Gaz. vol. 201; p. 23.
- Curtain-holder, Vehicle. F. H. Ilse. No. 1,100,738; June 23; Gaz. vol. 203; p. 946.
- Curtain holding and releasing device. W. E. Tippet and C. L. Teague. No. 1,101,476; June 23; Gaz. vol. 203; p. 1202.
- Curtain-hook. M. Schnaier. No. 1,090,571; Mar. 17; Gaz. vol. 200; p. 744.
- Curtain-light. E. N. Sipperley. No. 1,109,475; Sept. 1; Gaz. vol. 206; p. 218.
- Curtain or shade fixture, Window. P. G. Emery. No. 1,083,924; Jan. 13; Gaz. vol. 198; p. 247.
- Curtain-pin. E. W. Mundt. No. 1,121,391; Dec. 15; Gaz. vol. 209; p. 950.
- Curtain-pole. C. W. Bondascha. No. 1,104,614; July 21; Gaz. vol. 204; p. 918.
- Curtain-pole. W. M. Rossiter. No. 1,112,159; Sept. 29; Gaz. vol. 206; p. 1319.
- Curtain-pole. W. H. Sippel and J. L. Kaelin. No. 1,088,465; Feb. 24; Gaz. vol. 199; p. 1143.
- Curtain-pole. P. Starek and K. Czerwinski. No. 1,083,949; Jan. 13; Gaz. vol. 198; p. 256.
- Curtain-pole and shade-roller fixture. G. J. Uffelman. No. 1,116,173; Nov. 3; Gaz. vol. 208; p. 242.
- Curtain-pole and window-shade hanger. A. C. Blackburn and B. B. Shiek. No. 1,118,625; Nov. 24; Gaz. vol. 208; p. 1223.
- Curtain-pole bracket. W. M. Rossiter. No. 1,112,160; Sept. 29; Gaz. vol. 206; p. 1319.
- Curtain-pole bracket, Adjustable. A. C. McArthur. No. 1,121,384; Dec. 15; Gaz. vol. 209; p. 948.
- Curtain-pole bracket and clamp. N. E. Larson. No. 1,087,670; Feb. 17; Gaz. vol. 199; p. 826.
- Curtain-pole-concealing suspension means for curtains and similar draperies. E. B. Ashmore. No. 1,091,471; Mar. 31; Gaz. vol. 200; p. 1121.
- Curtain-pole-concealing suspension means for double-fabric draperies. E. B. Ashmore. No. 1,109,608; Sept. 1; Gaz. vol. 206; p. 263.
- Curtain-pole lifter. L. S. Myers. No. 1,120,962; Dec. 15; Gaz. vol. 209; p. 801.
- Curtain-pole support. C. W. Lowe. No. 1,115,949; Nov. 3; Gaz. vol. 208; p. 164.
- Curtain raising and lowering mechanism. I. Hodges. No. 1,102,921; July 7; Gaz. vol. 204; p. 242.
- Curtain-rod. E. W. Vaughan. No. 1,112,950; Oct. 6; Gaz. vol. 207; p. 188.
- Curtain-rods, Spring-socket for. W. H. Edsall and F. L. Lathrop. No. 1,095,718; May 5; Gaz. vol. 202; p. 186.
- Curtain-roller. W. G. Hult. No. 1,083,741; Jan. 6; Gaz. vol. 198; p. 161.
- Curtain-roller. E. E. Whitmore. No. 1,097,957; May 26; Gaz. vol. 202; p. 1083.
- Curtain-roller, Extensible. F. N. Koziell. No. 1,099,258; June 9; Gaz. vol. 203; p. 347.
- Curtain-shield, Removable. L. C. Sparks. No. 1,097,949; May 26; Gaz. vol. 202; p. 1080.
- Curtain-stretcher. M. J. De Grave. No. 1,101,013; June 23; Gaz. vol. 203; p. 1043.
- Curtain-stretcher. L. Fridlund. No. 1,092,347; Apr. 7; Gaz. vol. 201; p. 77.
- Curtain-stretcher. L. Fridlund. No. 1,092,348; Apr. 7; Gaz. vol. 201; p. 78.
- Curtain-stretcher. P. M. Hartpence. No. 1,098,037; May 26; Gaz. vol. 202; p. 1111.
- Curtain-stretcher. E. J. Hiegel. No. 1,118,858; Nov. 24; Gaz. vol. 208; p. 1301.
- Curtain stretcher, Lace-. J. Welch. No. 1,119,668; Dec. 1; Gaz. vol. 209; p. 264.
- Curtain-stretching device. C. F. Dawson and W. Fennell. No. 1,088,547; Feb. 24; Gaz. vol. 199; p. 1169.
- Curtain-support. W. H. Edsall. No. 1,085,895; Feb. 3; Gaz. vol. 199; p. 112.
- Curtain-support. H. Ervien. No. 1,120,609; Dec. 8; Gaz. vol. 209; p. 630.
- Curtain-support. J. B. Hannon and C. H. Von Drak. No. 1,089,550; Mar. 10; Gaz. vol. 200; p. 348.
- Curtain-support. F. L. Lathrop. No. 1,095,646; May 5; Gaz. vol. 202; p. 161.
- Curtain-support. W. Rakowski. No. 1,093,884; Apr. 21; Gaz. vol. 201; p. 674.
- Curtain-support. D. M. Sarkisian. No. 1,095,526; May 5; Gaz. vol. 202; p. 122.
- Curtain-support. C. L. Shine. No. 1,118,157; Nov. 24; Gaz. vol. 208; p. 1057.
- Curtain-supporter. S. B. Hovey. No. 1,106,566; Aug. 11; Gaz. vol. 205; p. 387.
- Curtain-tightening device. A. W. Wylie. No. 1,099,959; June 16; Gaz. vol. 203; p. 625.
- Curtain, Vehicle-. C. S. Applas. No. 1,110,857; Sept. 15; Gaz. vol. 206; p. 790.
- Curtain, Water-. J. L. Cole. No. 1,092,243; Apr. 7; Gaz. vol. 201; p. 41.
- Curtains and the like, Holder for. E. Mead. No. 1,099,660; June 9; Gaz. vol. 203; p. 486.
- Curtains, Automatic release-handle for vestibule-. J. H. Donaldson. No. 1,094,135; Apr. 21; Gaz. vol. 201; p. 758.
- Curtains, Automatic release mechanism for vestibule-. J. H. Donaldson and B. T. Lewis. No. 1,105,261; July 28; Gaz. vol. 204; p. 1191.
- Curtains, Friction device for holding window-. W. L. Conwell. No. 1,111,735; Sept. 29; Gaz. vol. 206; p. 1170.
- Cushion. See Air-cushion; Billiard-cushion; Billiard and pool table and like cushion; Billiard or pool table cushion; Crate-cushion; Expansion-joint cushion; Hat-cushion; Heel-cushion.
- Cushion and life-preserver, Combined. J. Solomon. No. 1,117,528; Nov. 17; Gaz. vol. 208; p. 797.
- Cushion device. J. J. Callahan. No. 1,102,570; July 7; Gaz. vol. 204; p. 123.
- Cushion-mold. G. B. Brink. No. 1,103,477; July 14; Gaz. vol. 204; p. 482.
- Cushion-spring. G. J. Genebach. No. 1,092,099; Mar. 31; Gaz. vol. 200; p. 1337.
- Cushion tie-plate. J. A. Bodkin. No. 1,119,776; Dec. 1; Gaz. vol. 209; p. 300.
- Cushion-wheel. P. H. Martin. No. 1,090,705; Mar. 17; Gaz. vol. 200; p. 796.
- Cushions for invalids' beds, chairs, or the like, Device for inflating. C. Andresen. No. 1,099,144; June 2; Gaz. vol. 203; p. 263.
- Cushions, Mounting for resilient. F. L. Lane and H. J. Mitchell. No. 1,096,846; May 19; Gaz. vol. 202; p. 647.
- Cushioned wheel. G. T. McMillan. No. 1,102,423; July 7; Gaz. vol. 204; p. 72.
- Cushioning device. E. Schuch. No. 1,084,491; Jan. 13; Gaz. vol. 198; p. 435.
- Cuspidor. M. W. Adams. No. 1,116,967; Nov. 10; Gaz. vol. 208; p. 561.
- Cuspidor. V. F. Bendixen. No. 1,100,863; June 23; Gaz. vol. 203; p. 990.
- Cuspidor. W. S. Bridges. No. 1,119,679; Dec. 1; Gaz. vol. 209; p. 268.
- Cuspidor. J. P. Farley. No. 1,120,919; Dec. 15; Gaz. vol. 209; p. 787.
- Cuspidor. N. Hirsch. No. 1,090,060; Mar. 10; Gaz. vol. 200; p. 523.
- Cuspidor. R. Kraus. No. 1,122,614; Dec. 29; Gaz. vol. 209; p. 1449.
- Cuspidor. V. Laick. No. 1,111,544; Sept. 22; Gaz. vol. 206; p. 1069.
- Cuspidor. F. D. Lane. No. 1,106,048; Aug. 4; Gaz. vol. 205; p. 162.
- Cuspidor. S. Mayer. No. 1,105,362; July 28; Gaz. vol. 204; p. 1230.
- Cuspidor. W. S. C. Megill. (Reissue.) No. 13,726; May 12; Gaz. vol. 202; p. 597.
- Cuspidor. A. A. Rackoff. No. 1,103,832; July 14; Gaz. vol. 204; p. 607.
- Cuspidor. H. F. Schumann. No. 1,113,057; Oct. 6; Gaz. vol. 207; p. 223.
- Cuspidor. H. M. Silveira. No. 1,110,967; Sept. 15; Gaz. vol. 206; p. 828.
- Cuspidor. A. H. Thomas, Jr., and N. Williamson. No. 1,118,071; Nov. 24; Gaz. vol. 208; p. 1028.
- Cuspidor. D. P. Turnbull. No. 1,101,589; June 30; Gaz. vol. 203; p. 1292.
- Cuspidor. P. Turnbull. No. 1,091,987; Mar. 31; Gaz. vol. 200; p. 1300.
- Cuspidor. H. E. Weber. No. 1,089,095; Mar. 3; Gaz. vol. 200; p. 144.
- Cuspidor. G. Woodworth. No. 1,091,418; Mar. 24; Gaz. vol. 200; p. 1059.
- Cuspidor, Adjustable sanitary. J. H. Smith. No. 1,106,163; Aug. 4; Gaz. vol. 205; p. 202.
- Cuspidor attachment for vehicles. W. M. Carson. No. 1,095,813; May 5; Gaz. vol. 202; p. 219.
- Cuspidor-holder. R. L. Green. No. 1,101,509; June 23; Gaz. vol. 203; p. 1215.
- Cuspidor-lifter. C. T. Lee. No. 1,113,025; Oct. 6; Gaz. vol. 207; p. 212.
- Cuspidor, Mechanical. O. Hamel. No. 1,098,898; June 2; Gaz. vol. 203; p. 184.
- Cuspidor, Reservoir-. H. E. Weber. No. 1,111,047; Sept. 22; Gaz. vol. 206; p. 898.
- Cuspidor, Sanitary. M. Plocher. No. 1,105,693; Aug. 4; Gaz. vol. 205; p. 37.
- Cuspidor, Sanitary. R. L. Vioran. No. 1,103,636; July 14; Gaz. vol. 204; p. 540.
- Cuspidor sanitary protective device. E. Nilsen. No. 1,122,022; Dec. 22; Gaz. vol. 209; p. 1209.
- Cuspidor, Self-cleansing. F. Kovacic. No. 1,101,291; June 23; Gaz. vol. 203; p. 1139.
- Cuspidor-stand. M. G. Smith. No. 1,112,230; Sept. 29; Gaz. vol. 206; p. 1344.
- Cut-off, Automatic time. J. Lyle. No. 1,088,433; Feb. 24; Gaz. vol. 199; p. 1133.
- Cut-off, Emergency. M. J. McIntyre. No. 1,090,221; Mar. 17; Gaz. vol. 200; p. 620.
- Cut-off, Safety. R. H. Cowdrey. No. 1,085,245; Jan. 27; Gaz. vol. 198; p. 760.
- Cut-out and fuse mechanism. E. B. Ellicott. No. 1,087,357; Feb. 17; Gaz. vol. 199; p. 714.
- Cutlery, Machine for assembling hollow-handled. J. H. Shiels and G. J. Bampton. No. 1,098,848; June 2; Gaz. vol. 203; p. 166.
- Cutlery - polishing machine. C. H. Hemming. No. 1,098,726; June 2; Gaz. vol. 203; p. 126.

Alphabetical list of inventions—Continued.

- Cutter; *See* Band-cutter; Belt-cutter; Boring-cutter; Brush-cutter; Butter-cutter; Buttonhole-cutter; Can-cutter; Casing-cutter; Cheese-cutter; Cigar-cutter; Cigar-tip cutter; Cigar-tuck cutter; Clod-cutter; Cloth-cutter; Connection-cutter; Corn-cutter; Cracker-cutter; Die-sinking cutter; Disk cutter; Dough-cutter; Dredger-cutter; Ensilage-cutter; Flue-cutter; Fruit-stem cutter; Gear-cutter; Glass-cutter; Grass-cutter; Ground-cutter; Hay-cutter; Ice-cutter; Macaroni-cutter; Metal-cutter; Milling-cutter; Paper-cutter; Pipe-cutter; Pipe and tube cutter; Pipe-ring cutter; Potato-cutter; Rock-cutter; Rolling cutter; Root-cutter; Rotary cutter; Scrip-cutter; Seam-cutter; Sheet-material cutter; Sheet-metal cutter; Shingle-cutter; Slug-cutter; Sod-cutter; Sprue-cutter; Stalk-cutter; Stamp-cutter; Stay-bolt cutter; Stovepipe-cutter; String or thread cutter; Tenon-cutter; Thread-cutter; Ticket-cutter; Tobacco-cutter; Tube-cutter; Twine-cutter; Vegetable-cutter; Weed-cutter.
- Cutter. H. M. Loomer. No. 1,105,672; Aug. 4; Gaz. vol. 205; p. 30.
- Cutter and shredder. H. M. De Line. No. 1,086,654; Feb. 10; Gaz. vol. 199; p. 421.
- Cutter attachment, Disk-. E. Cory. No. 1,101,411; June 23; Gaz. vol. 203; p. 1179.
- Cutter-bar and bushing therefor. F. J. Lapointe. No. 1,088,828; Mar. 3; Gaz. vol. 200; p. 53.
- Cutter efficiency, Means increasing. A. J. Baker. No. 1,093,581; Apr. 14; Gaz. vol. 201; p. 527.
- Cutter-guard. P. Erickson. No. 1,122,487; Dec. 29; Gaz. vol. 209; p. 1404.
- Cutter-head. J. W. Buckhart. No. 1,122,471; Dec. 29; Gaz. vol. 209; p. 1398.
- Cutter-head. J. M. Crawford. No. 1,118,744; Nov. 24; Gaz. vol. 208; p. 1263.
- Cutter-head. L. F. Hess. No. 1,109,988; Sept. 8; Gaz. vol. 206; p. 442.
- Cutter-head. V. R. Koontz. No. 1,098,268; May 26; Gaz. vol. 202; p. 1190.
- Cutter-head. C. K. Orton. No. 1,112,085; Sept. 29; Gaz. vol. 206; p. 1293.
- Cutter-head-adjusting device. V. R. Koontz. No. 1,108,514; Aug. 25; Gaz. vol. 205; p. 1165.
- Cutter-head knives, Instrument for laying out the edges of. G. W. Yung. No. 1,090,006; Mar. 10; Gaz. vol. 200; p. 505.
- Cutter-head, Rotary. E. Kenny. No. 1,087,953; Feb. 24; Gaz. vol. 199; p. 968.
- Cutter-head, Rotary. G. P. Youmans. No. 1,115,883; Nov. 3; Gaz. vol. 208; p. 141.
- Cutter securing and adjusting device, Inserted-. G. Gordon. No. 1,090,205; Mar. 17; Gaz. vol. 200; p. 615.
- Cutting and counting machine. W. H. Phillips. No. 1,106,968; Aug. 11; Gaz. vol. 205; p. 528.
- Cutting and dieing device. F. W. Burpee. No. 1,084,784; Jan. 20; Gaz. vol. 198; p. 567.
- Cutting and dieing device. F. W. Burpee. No. 1,084,785; Jan. 20; Gaz. vol. 198; p. 568.
- Cutting and pasting table. J. B. Smith. No. 1,084,496; Jan. 13; Gaz. vol. 198; p. 437.
- Cutting and punching machine. H. Koeppinger. No. 1,102,761; July 7; Gaz. vol. 204; p. 189.
- Cutting and sewing machine, Combined. J. P. Weis. No. 1,114,082; Oct. 20; Gaz. vol. 207; p. 666.
- Cutting and shaping articles from sheet-stock, Machine for. W. F. Hutchinson. No. 1,118,421; Nov. 24; Gaz. vol. 208; p. 1151.
- Cutting and slicing machine. R. E. Forman. No. 1,106,035; Aug. 4; Gaz. vol. 205; p. 158.
- Cutting apparatus. W. L. Campbell. No. 1,105,483; July 28; Gaz. vol. 204; p. 1271.
- Cutting device. E. N. Humphrey. No. 1,088,900; Mar. 3; Gaz. vol. 200; p. 77.
- Cutting device. W. M. and L. W. Sager. No. 1,095,032; Apr. 28; Gaz. vol. 201; p. 1128.
- Cutting-die. A. Bates. No. 1,116,367; Nov. 10; Gaz. vol. 208; p. 347.
- Cutting-die. P. F. W. C. Krippendorff. No. 1,117,061; Nov. 10; Gaz. vol. 208; p. 594.
- Cutting edges, Apparatus for testing the durability of. W. E. Nickerson. No. 1,108,928; Sept. 1; Gaz. vol. 206; p. 24.
- Cutting, folding, and winding machine. J. A. Firsching. No. 1,088,138; Feb. 24; Gaz. vol. 199; p. 1033.
- Cutting implement. W. H. Hammond. No. 1,122,748; Dec. 29; Gaz. vol. 209; p. 1495.
- Cutting-machine. J. Banyai. No. 1,094,964; Apr. 28; Gaz. vol. 201; p. 1106.
- Cutting-machine. L. A. Casgrain. No. 1,106,363; Aug. 11; Gaz. vol. 205; p. 312.
- Cutting-machine. J. E. Collins. No. 1,083,349; Jan. 6; Gaz. vol. 198; p. 30.
- Cutting-machine. B. J. Gundlach. No. 1,119,506; Dec. 1; Gaz. vol. 209; p. 209.
- Cutting-machine. G. Nast. No. 1,091,890; Mar. 31; Gaz. vol. 200; p. 1268.
- Cutting-machine. L. Shelby. No. 1,096,961; May 19; Gaz. vol. 202; p. 689.
- Cutting-machine. R. C. Simmons. No. 1,113,699; Oct. 13; Gaz. vol. 207; p. 492.
- Cutting-machine. W. H. Wells. No. 1,108,414; Aug. 25; Gaz. vol. 205; p. 1128.
- Cutting-machine. E. E. Winkley. No. 1,118,460; Nov. 24; Gaz. vol. 208; p. 1165.
- Cutting-machine. E. E. Winkley. No. 1,122,561; Dec. 29; Gaz. vol. 209; p. 1430.
- Cutting-machine feed mechanism. J. McCoy and S. A. Copenhafer. No. 1,087,801; Feb. 17; Gaz. vol. 199; p. 869.
- Cutting-machine feed mechanism. J. McCoy and S. A. Copenhafer. No. 1,087,802; Feb. 17; Gaz. vol. 199; p. 870.
- Cutting-machine feeding and spacing mechanism. N. Gray, Jr. No. 1,099,174; June 9; Gaz. vol. 203; p. 318.
- Cutting-machine feeding and spacing mechanism. D. T. Wadhams. No. 1,095,250; May 5; Gaz. vol. 202; p. 26.
- Cutting-machine, Friction. E. T. Hendee. No. 1,105,140; July 28; Gaz. vol. 204; p. 1147.
- Cutting-machine safety device. L. Schlesinger. No. 1,121,046; Dec. 15; Gaz. vol. 209; p. 831.
- Cutting mechanism. C. Holly. No. 1,091,514; Mar. 31; Gaz. vol. 200; p. 1137.
- Cutting mechanism. T. E. Raffel. No. 1,085,356; Jan. 27; Gaz. vol. 198; p. 799.
- Cutting mechanism, Rotary. F. L. Smith and T. B. Williams. No. 1,090,243; Mar. 17; Gaz. vol. 200; p. 629.
- Cutting-off-machine head and the like. C. R. Carpenter. No. 1,083,663; Jan. 6; Gaz. vol. 198; p. 134.
- Cutting-off machines, Centering attachment for. H. Bowen. No. 1,109,957; Sept. 8; Gaz. vol. 206; p. 430.
- Cutting sheet-form material, Machine for. C. B. Gray. No. 1,098,377; June 2; Gaz. vol. 203; p. 7.
- Cutting strips from web material, Machine for. C. H. Thordarson. No. 1,116,954; Nov. 10; Gaz. vol. 208; p. 557.
- Cutting-table. E. F. Mudd and T. Severese. No. 1,119,107; Dec. 1; Gaz. vol. 209; p. 73.
- Cutting-tool. H. Cave. No. 1,098,613; June 2; Gaz. vol. 203; p. 88.
- Cutting-tool. C. F. Heinkel. No. 1,106,561; Aug. 11; Gaz. vol. 205; p. 385.
- Cutting-tool. C. J. Johnson. No. 1,111,388; Sept. 22; Gaz. vol. 206; p. 1016.
- Cutting-tool. E. Marawske. No. 1,085,452; Jan. 27; Gaz. vol. 198; p. 830.
- Cutting-tools, Dressing up. W. H. Ayres. No. 1,096,009; May 12; Gaz. vol. 202; p. 321.
- Cuttlebone-holder. S. Nolan. No. 1,113,816; Oct. 13; Gaz. vol. 207; p. 534.
- Cyanamid-producing apparatus. V. M. Weaver. No. 1,093,749; Apr. 21; Gaz. vol. 201; p. 630.
- Cyanamids, Production of. M. Engelmann and B. Merkel. No. 1,102,892; July 7; Gaz. vol. 204; p. 233.
- Cyanid solutions from pulp, Process and apparatus for the extraction of pregnant. E. S. Pettis. No. 1,106,836; Aug. 11; Gaz. vol. 205; p. 481.
- Cyanogen compounds, Preparing. J. E. Bucher. No. 1,094,976; Apr. 28; Gaz. vol. 201; p. 1110.
- Cyanogen compounds, Preparing. J. E. Bucher. No. 1,116,559; Nov. 10; Gaz. vol. 208; p. 417.
- Cycle attachment, Motor-. R. Hansen. No. 1,102,659; July 7; Gaz. vol. 204; p. 154.
- Cycle clutch, Motor-. C. F. Hurlbut. No. 1,099,651; June 9; Gaz. vol. 203; p. 483.
- Cycle, cycle, and analogous saddles and seats, Motor-. B. Brooks. No. 1,112,354; Sept. 29; Gaz. vol. 206; p. 1387.
- Cycle drive, Motor-. J. G. Jones. No. 1,105,351; July 28; Gaz. vol. 204; p. 1225.
- Cycle driving mechanism, Motor-. O. G. De Wald. No. 1,121,172; Dec. 15; Gaz. vol. 209; p. 876.
- Cycle engine, Four-stroke-. J. D. Shaw. No. 1,104,075; July 21; Gaz. vol. 204; p. 732.
- Cycle foot control, Motor-. C. Merchant. No. 1,102,940; July 7; Gaz. vol. 204; p. 248.
- Cycle-frame. L. Johns. No. 1,109,230; Sept. 1; Gaz. vol. 206; p. 133.
- Cycle-frame. E. Y. White. No. 1,120,111; Dec. 8; Gaz. vol. 209; p. 452.
- Cycle frame, Motor-. C. O. Hedstrom. No. 1,111,152; Sept. 22; Gaz. vol. 206; p. 935.
- Cycle frame, Motor-. C. O. Hedstrom and C. J. Gustafson. No. 1,101,435; June 23; Gaz. vol. 203; p. 1187.
- Cycle frame, Motor-. G. H. Meiser. No. 1,084,654; Jan. 20; Gaz. vol. 198; p. 520.
- Cycle-frame, Resilient. A. A. Bamford. No. 1,097,509; May 19; Gaz. vol. 202; p. 879.
- Cycle-frames, Metallic connection for. H. Schmidt. No. 1,117,916; Nov. 17; Gaz. vol. 208; p. 933.
- Cycle grip, Motor-. H. Mesinger. No. 1,100,085; June 16; Gaz. vol. 203; p. 669.
- Cycle hand-grip, Motor-. T. R. Palmer. No. 1,096,264; May 12; Gaz. vol. 202; p. 408.
- Cycle-lock. R. W. Green. No. 1,099,246; June 9; Gaz. vol. 203; p. 344.
- Cycle lock, Motor-. J. Sabo. No. 1,121,405; Dec. 15; Gaz. vol. 209; p. 955.
- Cycle, Motor-. C. O. Hedstrom. No. 1,090,477; Mar. 17; Gaz. vol. 200; p. 711.
- Cycle, Motor-. G. Pamer. No. 1,107,990; Aug. 18; Gaz. vol. 205; p. 933.

- Cycle oil-tank, Motor-. W. S. Harley. No. 1,090,532; Mar. 17; Gaz. vol. 200; p. 730.
- Cycle or carrier, Luggage. V. W. Robinson. No. 1,120,541; Dec. 8; Gaz. vol. 209; p. 606.
- Cycle passenger-seat, Motor-. G. F. Plank. No. 1,108,785; Aug. 25; Gaz. vol. 205; p. 1256.
- Cycle part. E. J. Lonn. No. 1,101,131; June 23; Gaz. vol. 203; p. 1084.
- Cycle-pedal. G. M. Westerberg. No. 1,122,342; Dec. 29; Gaz. vol. 209; p. 1355.
- Cycle pedal, Motor-. E. G. Reynolds, E. C. Johnson, and F. D. Warren. No. 1,087,258; Feb. 17; Gaz. vol. 199; p. 681.
- Cycle rear seat and luggage-carrier, Combined motor-. F. M. Stoll. No. 1,093,741; Apr. 21; Gaz. vol. 201; p. 627.
- Cycle saddle, Motor-. A. L. Brett and H. L. Parker. No. 1,091,800; Mar. 31; Gaz. vol. 200; p. 1236.
- Cycle saddle, Motor-. F. Mesinger. No. 1,115,711; Nov. 3; Gaz. vol. 208; p. 84.
- Cycle saddle, Motor-. F. Mesinger. No. 1,119,300; Dec. 1; Gaz. vol. 209; p. 137.
- Cycle saddle, Motor-. P. G. Olds. No. 1,087,393; Feb. 17; Gaz. vol. 199; p. 727.
- Cycle seat-support, Motor-. W. H. Bradley. No. 1,090,268; Mar. 17; Gaz. vol. 200; p. 637.
- Cycle seat-support, Motor-. A. O. Feilbach. No. 1,102,255; July 7; Gaz. vol. 204; p. 11.
- Cycle seat-support, Motor-. D. J. Johnston. No. 1,088,028; Feb. 24; Gaz. vol. 199; p. 995.
- Cycle-stand holding and release device. A. E. Hawkinson. No. 1,105,077; July 28; Gaz. vol. 204; p. 1128.
- Cycle stand, Motor-. J. E. Gordon. No. 1,121,493; Dec. 15; Gaz. vol. 209; p. 985.
- Cycle steering mechanism, Motor-. D. J. Johnston. No. 1,089,647; Mar. 10; Gaz. vol. 200; p. 382.
- Cycle tandem seat, Motor-. J. A. Peterson. No. 1,088,793; Mar. 3; Gaz. vol. 200; p. 41.
- Cycle, Water-. M. Szegei. No. 1,104,229; July 21; Gaz. vol. 204; p. 784.
- Cycles, Adjustable means for regulating the tensions of the spring-frames for motor-. C. G. Stephenson. No. 1,101,764; June 30; Gaz. vol. 203; p. 1351.
- Cycles, Adjustable-spring seat-pillar and saddle-support for motor-. J. Smith. No. 1,092,407; Apr. 7; Gaz. vol. 201; p. 98.
- Cycles and motor-cycles, Spring device for. R. Freund. No. 1,106,867; Aug. 11; Gaz. vol. 205; p. 492.
- Cycles and motor-cycles, Spring-fork for. S. R. Ridgway. No. 1,108,932; Sept. 1; Gaz. vol. 206; p. 26.
- Cycles and the like, Stand for motor-. H. Moline. No. 1,104,696; July 21; Gaz. vol. 204; p. 945.
- Cycles and the like, Supplemental seat attachment for motor-. J. C. Fox. No. 1,102,899; July 7; Gaz. vol. 204; p. 235.
- Cycles, Automatic ignition-grounder for motor-. W. E. Bard. No. 1,107,245; Aug. 18; Gaz. vol. 205; p. 671.
- Cycles, Automatic stand-lifter for motor-. J. C. Pierce. No. 1,106,240; Aug. 4; Gaz. vol. 205; p. 226.
- Cycles, Auxiliary-wheel mechanism for motor-. D. J. Johnston. No. 1,091,065; Mar. 24; Gaz. vol. 200; p. 942.
- Cycles, Change-speed mechanism for motor-. E. W. Myers. No. 1,113,814; Oct. 13; Gaz. vol. 207; p. 533.
- Cycles, Cushion-seat for motor-. F. M. Stoll. No. 1,095,172; Apr. 28; Gaz. vol. 201; p. 1177.
- Cycles, Folding side-car attachment for motor-. A. Irving and P. S. Ritherdon. No. 1,099,851; June 9; Gaz. vol. 203; p. 550.
- Cycles, Footboard attachment for motor-. W. S. Harley. No. 1,116,420; Nov. 10; Gaz. vol. 208; p. 365.
- Cycles, Hand-grip control for motor-. P. Brix. No. 1,114,441; Oct. 20; Gaz. vol. 207; p. 795.
- Cycles, Handle-grip control for motor-. P. Brix. No. 1,114,440; Oct. 20; Gaz. vol. 207; p. 794.
- Cycles, Non-skid device for motor-. J. Hauerwas, Jr. No. 1,113,006; Oct. 6; Gaz. vol. 207; p. 207.
- Cycles, Oil-tank for motor-. L. H. Cobb. No. 1,113,308; Oct. 13; Gaz. vol. 207; p. 355.
- Cycles or the like, Auxiliary foot-rest for motor-. E. F. Pawsat. No. 1,118,679; Nov. 24; Gaz. vol. 208; p. 1241.
- Cycles, Parcel-carrier for motor-. G. L. Marrs. No. 1,102,159; June 30; Gaz. vol. 203; p. 1492.
- Cycles, Prop or stand for supporting motor-. F. E. Kronenbitter. No. 1,105,353; July 28; Gaz. vol. 204; p. 1226.
- Cycles, Saddle-pillar and saddle attachment for. S. Moody. No. 1,101,707; June 30; Gaz. vol. 203; p. 1332.
- Cycles, Sectional mud-guard for motor-. H. L. Roderick. No. 1,112,478; Oct. 6; Gaz. vol. 207; p. 22.
- Cycles, Speedometer attachment for. A. W. Wessoleck. No. 1,096,976; May 19; Gaz. vol. 202; p. 694.
- Cycles, Speedometer-driving connection for motor-. J. K. Stewart. No. 1,122,656; Dec. 29; Gaz. vol. 209; p. 1464.
- Cycles, Variable-speed transmission mechanism for motor-. R. L. Bailey. No. 1,110,249; Sept. 8; Gaz. vol. 206; p. 534.
- Cylinder. K. Schwarz. No. 1,106,977; Aug. 11; Gaz. vol. 205; p. 530.
- Cylinder. K. Schwarz. No. 1,107,850; Aug. 18; Gaz. vol. 205; p. 886.
- Cylinder. K. Schwarz. No. 1,110,148; Sept. 8; Gaz. vol. 206; p. 501.
- Cylinder-cover. C. Day and G. E. Windeler. No. 1,097,850; May 26; Gaz. vol. 202; p. 1043.
- Cylinder-head fastener. W. H. Millspaugh. No. 1,092,847; Apr. 14; Gaz. vol. 201; p. 284.
- Cylinder-lock. E. Epstein. No. 1,102,893; July 7; Gaz. vol. 204; p. 233.
- Cylinder-lock. J. R. Fletcher. No. 1,099,903; June 9; Gaz. vol. 203; p. 569.
- Cylinder-lock. F. I. Kimball. No. 1,100,245; June 16; Gaz. vol. 203; p. 724.
- Cylinder-lock. C. A. Müller. No. 1,114,709; Oct. 20; Gaz. vol. 207; p. 886.
- Cylinder-lock. J. H. Shaw. No. 1,115,744; Nov. 3; Gaz. vol. 208; p. 94.
- Cylinder-lock. E. L. Teich. No. 1,122,816; Dec. 29; Gaz. vol. 209; p. 1521.
- Cylinder-reboring device. E. F. Heiser. No. 1,097,318; May 19; Gaz. vol. 202; p. 816.
- Cylinders, Cover for outer linings for. R. Lund and T. F. Hind. No. 1,100,130; June 16; Gaz. vol. 203; p. 706.
- Cylinders, Device in coring-tools for cutting. W. Patrosio. No. 1,115,010; Oct. 27; Gaz. vol. 207; p. 1046.
- Cylindrical surfaces, Apparatus for finishing or polishing. H. E. Massmann and W. R. Tindall. No. 1,111,482; Sept. 22; Gaz. vol. 206; p. 1048.
- D-handle machine. R. F. Johnson. No. 1,096,173; May 12; Gaz. vol. 202; p. 376.
- Dado-machine. J. H. Dubrule. No. 1,096,611; May 12; Gaz. vol. 202; p. 524.
- Dairy recording apparatus. W. D. and W. C. Prickett. No. 1,097,767; May 26; Gaz. vol. 202; p. 1014.
- Dam. W. L. Church. No. 1,097,916; May 26; Gaz. vol. 202; p. 1069.
- Dam. W. L. Church. No. 1,101,785; June 30; Gaz. vol. 203; p. 1359.
- Dam. E. W. Liljegrän. No. 1,084,454; Jan. 13; Gaz. vol. 198; p. 425.
- Dam. G. Muehleisen. No. 1,116,100; Nov. 3; Gaz. vol. 208; p. 218.
- Dam. F. K. Wing. No. 1,118,458; Nov. 24; Gaz. vol. 208; p. 1165.
- Dam and hydraulic-power converter. W. H. Baker. No. 1,115,376; Oct. 27; Gaz. vol. 207; p. 1173.
- Dam construction. E. B. Hunt. No. 1,088,702; Mar. 3; Gaz. vol. 200; p. 11.
- Dam construction. L. R. Jorgensen. No. 1,097,662; Feb. 17; Gaz. vol. 199; p. 824.
- Dam for irrigating-ditches. J. T. Ames. No. 1,117,543; Nov. 17; Gaz. vol. 208; p. 803.
- Dams, Collapsible wicket for. G. B. Bebout. No. 1,120,787; Dec. 15; Gaz. vol. 209; p. 740.
- Damper. J. Bone. No. 1,093,167; Apr. 14; Gaz. vol. 201; p. 394.
- Damper. W. S. Miller. No. 1,105,366; July 28; Gaz. vol. 204; p. 1231.
- Damper. H. Rosenberg. No. 1,096,563; May 12; Gaz. vol. 202; p. 509.
- Damper. G. Wolf. No. 1,103,724; July 14; Gaz. vol. 204; p. 571.
- Damper, Automatic. H. La Fever. No. 1,100,381; June 16; Gaz. vol. 203; p. 772.
- Damper, Automatic. S. L. Long. No. 1,092,275; Apr. 7; Gaz. vol. 201; p. 52.
- Damper, Coal-grate. J. E. Melton. No. 1,113,032; Oct. 6; Gaz. vol. 207; p. 215.
- Damper, Draft-controlling draft-controlled. J. Flindall. No. 1,115,799; Nov. 3; Gaz. vol. 208; p. 111.
- Damper for chimney-flues, Automatic. J. Gorrien. No. 1,100,296; June 16; Gaz. vol. 203; p. 743.
- Damper for chimney-flues, Automatic. J. Gorrien. No. 1,100,297; June 16; Gaz. vol. 203; p. 743.
- Damper for stovepipes, Automatic. C. S. Waybright. No. 1,112,505; Oct. 6; Gaz. vol. 207; p. 32.
- Damper-operating means. P. Becker. No. 1,084,725; Jan. 20; Gaz. vol. 198; p. 547.
- Damper or valve, Water-cooled. L. L. Knox. No. 1,102,196; June 30; Gaz. vol. 203; p. 1505.
- Damper, Pipe. C. D. Wagner. No. 1,101,222; June 23; Gaz. vol. 203; p. 1116.
- Damper-regulator. J. Wilkinson. No. 1,093,161; Apr. 14; Gaz. vol. 201; p. 391.
- Damper regulator, Automatic furnace. T. C. Christie. No. 1,093,534; Apr. 14; Gaz. vol. 201; p. 513.
- Damper regulator, Furnace. C. Bruss. No. 1,105,959; Aug. 4; Gaz. vol. 205; p. 130.
- Damper regulator, Furnace. R. M. Hyde. No. 1,104,509; July 21; Gaz. vol. 204; p. 882.
- Damper release for furnaces, Air-. S. B. Remington. No. 1,110,577; Sept. 15; Gaz. vol. 206; p. 690.
- Dampers, Means for cutting bass-string felt. A. Johnson. No. 1,117,577; Nov. 17; Gaz. vol. 208; p. 815.
- Dampers of furnaces, ranges, or stoves, Time-regulator for. R. T. Garrett. No. 1,111,713; Sept. 22; Gaz. vol. 206; p. 1129.
- Dandy-roll. H. M. Spencer. No. 1,102,554; July 7; Gaz. vol. 204; p. 116.

Alphabetical list of inventions—Continued.

- Danger-signal. A. Domser. No. 1,114,451; Oct. 20; Gaz. vol. 207; p. 798.
- Darning device. M. Johnson. No. 1,093,628; Apr. 21; Gaz. vol. 201; p. 588.
- Dash-pot. C. H. Hapgood. No. 1,119,013; Dec. 1; Gaz. vol. 209; p. 39.
- Dash-pot. L. J. Tetlow. No. 1,108,276; Aug. 25; Gaz. vol. 205; p. 1081.
- Dash-pot. C. Wales. No. 1,115,628; Nov. 3; Gaz. vol. 208; p. 54.
- Date-holder. W. H. Green. No. 1,101,535; June 30; Gaz. vol. 203; p. 1273.
- Date marmalade, Making. G. O. Peter. No. 1,118,369; Nov. 24; Gaz. vol. 208; p. 1132.
- Dauber attachment for bottles. L. Rosenstein. No. 1,098,976; June 2; Gaz. vol. 203; p. 210.
- Dauber for blacking, polish, and the like. A. G. Mahringer. No. 1,098,813; June 2; Gaz. vol. 203; p. 154.
- Dauber-securing device. A. Ward. No. 1,101,671; June 30; Gaz. vol. 203; p. 1320.
- Davenport. L. C. Phenix. No. 1,085,220; Jan. 27; Gaz. vol. 198; p. 750.
- Davenport, Folding. G. W. Henry. No. 1,107,423; Aug. 18; Gaz. vol. 205; p. 735.
- Davit, Balanced. A. A. Sawman. No. 1,094,750; Apr. 28; Gaz. vol. 201; p. 1031.
- Davit for lowering and raising ships' boats. A. P. Lundin and H. W. Broady. No. 1,105,594; July 28; Gaz. vol. 204; p. 1309.
- Davit, Interdeck-. R. Tjader. No. 1,094,348; Apr. 21; Gaz. vol. 201; p. 826.
- Davit or the like, Ship's. H. N. Wylie. No. 1,090,588; Mar. 17; Gaz. vol. 200; p. 750.
- Davit, Raft or boat. I. Johansen. No. 1,100,571; June 16; Gaz. vol. 203; p. 835.
- Davit, Ship's. A. D. Burbridge. No. 1,084,310; Jan. 13; Gaz. vol. 198; p. 380.
- Davit, Ship's. P. P. Horvath. No. 1,112,139; Sept. 29; Gaz. vol. 206; p. 1311.
- Daylight, Means for producing from artificial lights the color effect of. H. E. Ives. No. 1,104,900; July 28; Gaz. vol. 204; p. 1067.
- Dead-centers, Device for overcoming. A. T. Peterson. No. 1,084,821; Jan. 20; Gaz. vol. 198; p. 579.
- Dealcoholizing liquids. O. G. C. L. J. Overbeck. No. 1,089,862; Mar. 10; Gaz. vol. 200; p. 455.
- Debranning-machine. C. W. Lenhart. No. 1,122,134; Dec. 22; Gaz. vol. 209; p. 1245.
- Deburring-machine. C. W. Gressle. No. 1,117,663; Nov. 17; Gaz. vol. 208; p. 846.
- Decapitating instrument. C. H. Lindstrom. No. 1,090,317; Mar. 17; Gaz. vol. 200; p. 654.
- Decapitating-shears. C. H. Lindstrom. No. 1,117,068; Nov. 10; Gaz. vol. 208; p. 597.
- Decorative device. G. Bollinger. No. 1,103,257; July 14; Gaz. vol. 204; p. 409.
- Decorative material. O. T. Waite. No. 1,084,119; Jan. 13; Gaz. vol. 198; p. 315.
- Decorticating-blade. H. L. Heath. No. 1,084,273; Jan. 13; Gaz. vol. 198; p. 367.
- Decorticating fibrous substances, Machine for. O. Sheehan. No. 1,098,180; May 26; Gaz. vol. 202; p. 1159.
- Decoy. F. J. Hindmarsh. No. 1,083,882; Jan. 6; Gaz. vol. 198; p. 202.
- Decoy. A. C. Vaughan. No. 1,110,245; Sept. 8; Gaz. vol. 206; p. 533.
- Defecant and making same. W. J. Wayte. No. 1,088,751; Mar. 3; Gaz. vol. 200; p. 27.
- Deflating-tool. W. L. Watson. No. 1,104,028; July 21; Gaz. vol. 204; p. 715.
- Deflation-indicator. F. W. Putnam. No. 1,087,979; Feb. 24; Gaz. vol. 199; p. 978.
- Deflector. J. T. Megredy. No. 1,096,313; May 12; Gaz. vol. 202; p. 425.
- Dehorning-tool. P. J. Goodwin. No. 1,120,473; Dec. 8; Gaz. vol. 209; p. 582.
- Dehydrating apparatus. I. S. Joseph. No. 1,112,454; Oct. 6; Gaz. vol. 207; p. 13.
- Delivery apparatus. Measured-. F. D. Weeks. No. 1,103,333; July 14; Gaz. vol. 204; p. 434.
- Delivery device. A. B. Dick. No. 1,086,353; Feb. 10; Gaz. vol. 199; p. 316.
- Delivery, Folding. E. W. Cooper. No. 1,113,414; Oct. 13; Gaz. vol. 207; p. 393.
- Delivery mechanism. T. C. Sheehan. No. 1,123,024; Dec. 29; Gaz. vol. 209; p. 1594.
- Delivery mechanism. W. H. Smith and C. J. Wright. No. 1,093,152; Apr. 14; Gaz. vol. 201; p. 388.
- Delivery mechanism for commodities. S. Halvorsen. No. 1,121,556; Dec. 15; Gaz. vol. 209; p. 1008.
- Delivery mechanism for folded products. E. P. Sheldon. No. 1,118,513; Nov. 24; Gaz. vol. 208; p. 1183.
- Delivery trip mechanism. A. J. Slade, Jr. No. 1,108,802; Aug. 25; Gaz. vol. 205; p. 1261.
- Demand apparatus. L. T. Robinson. No. 1,119,639; Dec. 1; Gaz. vol. 209; p. 254.
- Demountable wheel. T. I. Duffy. No. 1,099,169; June 9; Gaz. vol. 203; p. 317.
- Demountable wheel. W. H. J. Fitzgerald. No. 1,110,764; Sept. 15; Gaz. vol. 206; p. 757.
- Demountable wheel. J. Kelly. No. 1,118,495; Nov. 24; Gaz. vol. 208; p. 1178.
- Dental anvil or swage-block. L. F. Koehler. No. 1,111,392; Sept. 22; Gaz. vol. 206; p. 1017.
- Dental apparatus. J. M. Gilmore. No. 1,117,660; Nov. 17; Gaz. vol. 208; p. 845.
- Dental appliance. J. G. Hollingsworth. No. 1,101,439; June 23; Gaz. vol. 203; p. 1188.
- Dental appliance. E. R. Stealy. No. 1,119,373; Dec. 1; Gaz. vol. 209; p. 164.
- Dental articulator. R. Hardie. No. 1,102,741; July 7; Gaz. vol. 204; p. 181.
- Dental articulator. D. Roberts. No. 1,096,195; May 12; Gaz. vol. 202; p. 382.
- Dental backings, Device for manufacturing. A. H. Moeller. No. 1,096,447; May 12; Gaz. vol. 202; p. 470.
- Dental bridge. H. P. Boos. No. 1,111,730; Sept. 29; Gaz. vol. 206; p. 1168.
- Dental bridges, Removable saddle for fixed. A. L. Van Arsdall. No. 1,091,446; Mar. 24; Gaz. vol. 200; p. 1068.
- Dental bridgework. G. W. Todd. No. 1,118,703; Nov. 24; Gaz. vol. 208; p. 1249.
- Dental brush-mandrels, Securing device for. P. N. Souzon. No. 1,107,631; Aug. 18; Gaz. vol. 205; p. 809.
- Dental brushes, Keying connection for. P. N. Souzon. No. 1,083,766; Jan. 6; Gaz. vol. 198; p. 168.
- Dental burs, Holder and sterilizer for. H. J. Fries. No. 1,104,650; July 21; Gaz. vol. 204; p. 930.
- Dental cabinet. R. B. Power. No. 1,087,978; Feb. 24; Gaz. vol. 199; p. 977.
- Dental casting apparatus. H. V. Hart. No. 1,105,425; July 28; Gaz. vol. 204; p. 1251.
- Dental casting apparatus. W. B. C. Kaiser. No. 1,115,678; Nov. 3; Gaz. vol. 208; p. 73.
- Dental casting-machine. M. Maier. No. 1,110,954; Sept. 15; Gaz. vol. 206; p. 824.
- Dental castings, Casting apparatus for. H. Schweitzer. No. 1,119,885; Dec. 8; Gaz. vol. 209; p. 374.
- Dental castings, Centered mold for. H. Schweitzer. No. 1,112,847; Oct. 6; Gaz. vol. 207; p. 153.
- Dental castings, Pressure apparatus for. H. Schweitzer. No. 1,107,185; Aug. 11; Gaz. vol. 205; p. 602.
- Dental cavities, Apparatus for fumigating. H. Grasset. No. 1,116,056; Nov. 3; Gaz. vol. 208; p. 202.
- Dental clamp. J. A. Sawhill. No. 1,101,885; June 30; Gaz. vol. 203; p. 1394.
- Dental crown-post extractor. T. R. Arden. No. 1,102,850; July 7; Gaz. vol. 204; p. 219.
- Dental crown-remover. R. H. Taylor. No. 1,094,269; Apr. 21; Gaz. vol. 201; p. 803.
- Dental crown-remover. J. A. West. No. 1,109,096; Sept. 1; Gaz. vol. 206; p. 84.
- Dental engine-bracket. O. H. and A. F. Pieper. No. 1,111,177; Sept. 22; Gaz. vol. 206; p. 945.
- Dental-engine hand-pieces, Moistening device for. D. W. McLean. No. 1,091,522; Mar. 31; Gaz. vol. 200; p. 1140.
- Dental face-bows, Support for. F. H. Brown. No. 1,085,535; Jan. 27; Gaz. vol. 198; p. 857.
- Dental fillings, Preparing. J. G. Hollingsworth. No. 1,099,248; June 9; Gaz. vol. 203; p. 344.
- Dental flask and means for closing and fastening the parts thereof. G. Brunton. No. 1,115,779; Nov. 3; Gaz. vol. 208; p. 105.
- Dental floss-holder. F. O. Gamble. No. 1,102,401; July 7; Gaz. vol. 204; p. 63.
- Dental floss-holder. B. F. Walker. No. 1,106,758; Aug. 11; Gaz. vol. 205; p. 454.
- Dental floss, Tool for using. F. O. Gamble. No. 1,110,680; Sept. 15; Gaz. vol. 206; p. 728.
- Dental forceps. R. L. Anderson. No. 1,085,235; Jan. 27; Gaz. vol. 198; p. 756.
- Dental forceps. B. Feldman. No. 1,083,527; Jan. 6; Gaz. vol. 198; p. 89.
- Dental handpiece. A. Campbell. No. 1,113,752; Oct. 13; Gaz. vol. 207; p. 511.
- Dental handpiece-mirror. W. H. Bittman. No. 1,086,887; Feb. 10; Gaz. vol. 199; p. 503.
- Dental handpieces, Guard and grinding-wheel moistener for. N. Morgan. No. 1,101,947; June 30; Gaz. vol. 203; p. 1418.
- Dental impression-cup attachment. W. J. Thurmond. No. 1,117,928; Nov. 17; Gaz. vol. 208; p. 937.
- Dental impression-tray. J. Lautenburg. No. 1,084,017; Jan. 13; Gaz. vol. 198; p. 281.
- Dental impression-tray. S. G. Supplee. No. 1,083,509; Jan. 6; Gaz. vol. 198; p. 83.
- Dental impression-tray. S. G. Supplee. No. 1,117,275; Nov. 17; Gaz. vol. 208; p. 709.
- Dental impression-tray and detachable handle. L. E. Eaton. No. 1,094,203; Apr. 21; Gaz. vol. 201; p. 781.
- Dental impression-tray, Sanitary. R. C. Bell. No. 1,113,090; Oct. 6; Gaz. vol. 207; p. 233.
- Dental impression-tray, Sanitary. G. L. Grier. No. 1,104,662; July 21; Gaz. vol. 204; p. 934.
- Dental instrument. B. T. Andrén. No. 1,091,789; Mar. 31; Gaz. vol. 200; p. 1233.
- Dental instrument. L. A. Chamberlin and C. H. Williams. No. 1,105,755; Aug. 4; Gaz. vol. 205; p. 60.

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- Dental instrument. T. D. Craig. No. 1,110,379; Sept. 15; Gaz. vol. 206; p. 621.
- Dental instrument. G. S. Edwards. No. 1,092,701; Apr. 7; Gaz. vol. 201; p. 198.
- Dental instrument. H. M. Hoffman and W. B. Garrett. No. 1,109,924; Sept. 8; Gaz. vol. 206; p. 420.
- Dental instrument. W. J. Hopkins. No. 1,106,815; Aug. 11; Gaz. vol. 205; p. 473.
- Dental instrument. W. H. Mosley. No. 1,115,718; Nov. 3; Gaz. vol. 208; p. 86.
- Dental instrument. J. L. Talbott and W. S. Wright. No. 1,092,307; Apr. 7; Gaz. vol. 201; p. 64.
- Dental instruments, Sanitary shield for. C. F. Lauderdale. No. 1,093,865; Apr. 21; Gaz. vol. 201; p. 668.
- Dental jaw-brace. M. Souvielle. No. 1,092,671; Apr. 7; Gaz. vol. 201; p. 188.
- Dental lathe-file. W. F. Richards. No. 1,105,456; July 28; Gaz. vol. 204; p. 1262.
- Dental-machine attachment. W. H. King. No. 1,120,314; Dec. 8; Gaz. vol. 209; p. 524.
- Dental mallet and plugger. W. G. Thomas. No. 1,084,766; Jan. 20; Gaz. vol. 198; p. 561.
- Dental mandrel. O. C. Samphere. No. 1,106,894; Aug. 11; Gaz. vol. 205; p. 501.
- Dental massage implement. M. Pounder and F. F. Hanske. No. 1,086,936; Feb. 10; Gaz. vol. 199; p. 519.
- Dental model. V. Dalton. No. 1,102,390; July 7; Gaz. vol. 204; p. 59.
- Dental pattern-wax. H. Schweitzer. No. 1,103,088; July 14; Gaz. vol. 204; p. 347.
- Dental plates in position, Means for securing. G. C. Otrich and J. L. Bischof. No. 1,101,810; June 30; Gaz. vol. 203; p. 1369.
- Dental plates, Suction-cup for. H. R. Priest. No. 1,098,972; June 2; Gaz. vol. 203; p. 209.
- Dental plates, Suction for. J. H. Abbott. No. 1,092,554; Apr. 7; Gaz. vol. 201; p. 148.
- Dental sterilizer. S. O. Sawyer. No. 1,083,465; Jan. 6; Gaz. vol. 198; p. 69.
- Dental suction, Producing. J. H. Abbott. No. 1,092,553; Apr. 7; Gaz. vol. 201; p. 147.
- Dental syringe. F. L. Platt, G. N. Hein, and R. R. Impey. No. 1,117,701; Nov. 17; Gaz. vol. 203; p. 860.
- Dental syringes, Spoon attachment for. T. W. Russell. No. 1,121,669; Dec. 22; Gaz. vol. 209; p. 1084.
- Dental tool. K. Brooks and W. V. Owen. No. 1,095,449; May 5; Gaz. vol. 202; p. 94.
- Dental tool. J. P. Mertes. No. 1,111,603; Sept. 22; Gaz. vol. 206; p. 1090.
- Dental tool-holder. J. M. Gilmore. No. 1,108,570; Aug. 25; Gaz. vol. 205; p. 1184.
- Dental tool, Manually-operated rotary. O. C. Samphere. No. 1,094,818; Apr. 28; Gaz. vol. 201; p. 1054.
- Dental tray, Sanitary. N. A. Maser. No. 1,116,310; Nov. 3; Gaz. vol. 208; p. 286.
- Dental use, Impression device for. W. C. J. Guilford. No. 1,093,125; Apr. 14; Gaz. vol. 201; p. 379.
- Dental waste-receiver, Aseptic. F. B. Bostwick. No. 1,088,962; Mar. 3; Gaz. vol. 200; p. 100.
- Dental wooden sticks, &c., Device for shaping. J. W. Ivory. No. 1,102,753; July 7; Gaz. vol. 204; p. 186.
- Dentifrice. L. O. Waller. No. 1,107,389; Aug. 18; Gaz. vol. 205; p. 722.
- Dentifrice. C. W. Westenfelder. No. 1,112,180; Sept. 29; Gaz. vol. 206; p. 1326.
- Dentist's tool. J. Trost. No. 1,111,110; Sept. 22; Gaz. vol. 206; p. 920.
- Denture, Artificial. E. C. Bennett. No. 1,116,371; Nov. 10; Gaz. vol. 208; p. 349.
- Denture, Artificial. A. Pochwadt. No. 1,094,746; Apr. 28; Gaz. vol. 201; p. 1030.
- Denture, Artificial. C. Rauhe. No. 1,098,331; May 26; Gaz. vol. 202; p. 1213.
- Dentures, Taking partial impressions for artificial. S. G. Supplee. No. 1,117,276; Nov. 17; Gaz. vol. 203; p. 710.
- Deodorizer. W. C. Tiemann. No. 1,123,036; Dec. 29; Gaz. vol. 209; p. 1598.
- Deodorizer, Economizing. W. O. Longenecker. No. 1,101,942; June 30; Gaz. vol. 203; p. 1416.
- Deodorizing and disinfecting device. C. Hammesfahr. No. 1,091,929; Mar. 31; Gaz. vol. 200; p. 1281.
- Depericarping-machine. R. G. Swanson. No. 1,085,068; Jan. 20; Gaz. vol. 198; p. 661.
- Depositing-machine. F. Westerman. No. 1,121,430; Dec. 15; Gaz. vol. 209; p. 964.
- Depositing-machine. F. Westerman. No. 1,121,431; Dec. 15; Gaz. vol. 209; p. 964.
- Depositing-machine. F. Westerman. No. 1,121,432; Dec. 15; Gaz. vol. 209; p. 965.
- Depositing-machine. F. Westerman. No. 1,121,433; Dec. 15; Gaz. vol. 209; p. 965.
- Depositing-machine. F. Westerman. No. 1,121,434; Dec. 15; Gaz. vol. 209; p. 966.
- Derailer, Pneumatic. J. J. McIntyre. No. 1,091,367; Mar. 24; Gaz. vol. 200; p. 1043.
- Derailing device. J. A. Bodkin. No. 1,096,093; May 12; Gaz. vol. 202; p. 349.
- Derailing device. G. W. Nibbe. No. 1,109,007; Sept. 1; Gaz. vol. 206; p. 53.
- Derailing device, Portable. W. P. Newkirk. No. 1,106,155; Aug. 4; Gaz. vol. 205; p. 199.
- Dermatological instrument. G. E. Hackett. No. 1,084,007; Jan. 13; Gaz. vol. 198; p. 277.
- Derrick. J. T. Horton and T. E. McAvoy. No. 1,116,427; Nov. 10; Gaz. vol. 208; p. 368.
- Derrick. C. B. Jones. No. 1,090,067; Mar. 10; Gaz. vol. 200; p. 526.
- Derrick. L. H. Jones. No. 1,105,278; July 28; Gaz. vol. 204; p. 1196.
- Derrick. W. J. Rawson. No. 1,105,455; July 28; Gaz. vol. 204; p. 1262.
- Derrick. G. P. Slater. No. 1,099,771; June 9; Gaz. vol. 203; p. 523.
- Derrick. J. L. Taylor. No. 1,111,416; Sept. 22; Gaz. vol. 206; p. 1025.
- Derrick apparatus. W. Randall. No. 1,104,313; July 21; Gaz. vol. 204; p. 812.
- Derrick, Collapsible. M. P. Shoup. No. 1,084,043; Jan. 13; Gaz. vol. 198; p. 290.
- Derrick for mines. J. E. Jones. No. 1,085,208; Jan. 27; Gaz. vol. 198; p. 746.
- Derrick for pulling stumps. G. A. Wieland. No. 1,096,337; May 12; Gaz. vol. 202; p. 434.
- Derrick, Gondola. J. L. Taylor. No. 1,111,415; Sept. 22; Gaz. vol. 206; p. 1025.
- Derrick, Hay-loading. W. L. Tull. No. 1,108,029; Aug. 18; Gaz. vol. 205; p. 947.
- Derrick, Metallic. P. Yorke. No. 1,090,955; Mar. 24; Gaz. vol. 200; p. 904.
- Derrick, Portable. J. D. Read. No. 1,100,447; June 16; Gaz. vol. 203; p. 794.
- Derrick, Stiff-leg. S. B. Harding. No. 1,100,873; June 23; Gaz. vol. 203; p. 993.
- Derricks, Crown-block for oil-. J. T. Hall. No. 1,117,668; Nov. 17; Gaz. vol. 208; p. 848.
- Derricks, Wheel for oil-well. L. C. Moore. No. 1,113,233; Oct. 13; Gaz. vol. 207; p. 328.
- Desiccating and collecting apparatus. I. S. Merrell. No. 1,088,436; Feb. 24; Gaz. vol. 199; p. 1134.
- Desiccating-machine. L. P. Miek. No. 1,118,304; Nov. 24; Gaz. vol. 208; p. 1107.
- Desiccating organic matter. W. H. Allen. No. 1,118,884; Nov. 24; Gaz. vol. 208; p. 1309.
- Desiccating process. C. E. Gray. No. 1,107,784; Aug. 18; Gaz. vol. 205; p. 864.
- Design-composer. C. P. Coates. No. 1,090,278; Mar. 17; Gaz. vol. 200; p. 641.
- Designing apparatus. J. A. Austin. No. 1,087,207; Feb. 17; Gaz. vol. 199; p. 661.
- Desk. W. E. Cox. No. 1,117,338; Nov. 17; Gaz. vol. 208; p. 733.
- Desk. J. F. Dunleavy. No. 1,093,981; Apr. 21; Gaz. vol. 201; p. 706.
- Desk. F. G. Kollenberg. No. 1,106,515; Aug. 11; Gaz. vol. 205; p. 368.
- Desk. A. Sprung. No. 1,099,521; June 9; Gaz. vol. 203; p. 438.
- Desk. J. Varga. No. 1,096,331; May 12; Gaz. vol. 202; p. 432.
- Desk and chair, Combination. E. Gerhardt. No. 1,093,396; Apr. 14; Gaz. vol. 201; p. 473.
- Desk and chair, Combined. E. N. Friedman. No. 1,100,366; June 16; Gaz. vol. 203; p. 767.
- Desk and chair combined, Folding. B. Azrikan. No. 1,121,965; Dec. 22; Gaz. vol. 209; p. 1188.
- Desk and seat for school-rooms, Combination. C. H. W. Knickrehm. No. 1,103,884; July 14; Gaz. vol. 204; p. 625.
- Desk attachment for roll-top desks, Standing-. A. J. Howe. No. 1,094,208; Apr. 21; Gaz. vol. 201; p. 783.
- Desk-clamp. S. Norton. No. 1,107,543; Aug. 18; Gaz. vol. 205; p. 776.
- Desk, Desk-pad. A. J. Cochran. No. 1,116,016; Nov. 3; Gaz. vol. 208; p. 189.
- Desk, Duplex cashier's. E. F. Wieboldt. No. 1,107,735; Aug. 18; Gaz. vol. 205; p. 846.
- Desk, Filing-. C. E. Wilson. No. 1,115,996; Nov. 3; Gaz. vol. 208; p. 181.
- Desk, Office-. F. Bianchi y Reche. No. 1,118,803; Nov. 24; Gaz. vol. 208; p. 1282.
- Desk or table. W. B. Cogger. No. 1,121,713; Dec. 22; Gaz. vol. 209; p. 1099.
- Desk, rest, or the like and means for supporting the same, Portable and folding. J. Cohen. No. 1,111,524; Sept. 22; Gaz. vol. 206; p. 1063.
- Desk, School-. C. J. Priest. No. 1,113,140; Oct. 6; Gaz. vol. 207; p. 251.
- Desk, School-. R. M. Smith. No. 1,092,180; Apr. 7; Gaz. vol. 201; p. 19.
- Desk, School-. A. B. Tallman. No. 1,101,353; June 23; Gaz. vol. 203; p. 1160.
- Despatch system, Carrier-. F. L. Soule. No. 1,084,759; Jan. 20; Gaz. vol. 198; p. 558.
- Despatch-tube apparatus, Pneumatic-. E. A. Fordyce. No. 1,111,890; Sept. 29; Gaz. vol. 206; p. 1230.
- Detachable coupling. B. M. Kent. No. 1,117,856; Nov. 17; Gaz. vol. 208; p. 914.
- Detachable wheel. L. Montupet. No. 1,083,334; Jan. 6; Gaz. vol. 198; p. 25.
- Detachable wheel. V. and S. Riley. No. 1,088,627; Feb. 24; Gaz. vol. 199; p. 1195.

Alphabetical list of inventions—Continued.

- Detector. L. S. Barr. No. 1,122,358; Dec. 29; Gaz. vol. 209; p. 1361.
- Detector. A. J. Coughenour. No. 1,115,902; Nov. 3; Gaz. vol. 208; p. 148.
- Detector, Oscillating. G. W. Pickard. No. 1,118,228; Nov. 24; Gaz. vol. 208; p. 1081.
- Detector-relief device. M. F. Field. No. 1,115,798; Nov. 3; Gaz. vol. 208; p. 111.
- Detinning. W. Savage. No. 1,113,491; Oct. 13; Gaz. vol. 207; p. 421.
- Detinning. F. von Kügelgen and G. O. Seward. No. 1,086,921; Feb. 10; Gaz. vol. 199; p. 514.
- Detinning. J. Weber. No. 1,115,262; Oct. 27; Gaz. vol. 207; p. 1136.
- Detonating device. W. B. Greenleaf. No. 1,088,069; Feb. 24; Gaz. vol. 199; p. 1009.
- Dial illuminator, Instrument-. E. M. Thompson. No. 1,118,969; Dec. 1; Gaz. vol. 209; p. 23.
- Diaminodioxarsenobenzene and making same, Derivatives of. G. Korndörfer and B. Reuter. (Reissue.) No. 1,384,848; Dec. 15; Gaz. vol. 209 p. 1025.
- Diamond-breaking apparatus. J. F. Lindberg. No. 1,096,849; May 19; Gaz. vol. 202; p. 648.
- Diamond-cutting machine. J. H. Ludlow and T. W. G. Cook. No. 1,105,356; July 28; Gaz. vol. 204; p. 1227.
- Diamond-tool. J. S. Rose. No. 1,122,539; Dec. 29; Gaz. vol. 209; p. 1422.
- Diamond-tools, Making. F. Kirsten. No. 1,099,984; June 16; Gaz. vol. 203; p. 633.
- Diamonds, Mechanical dop for polishing (cutting). E. Soetens. No. 1,103,698; July 14; Gaz. vol. 204; p. 563.
- Diaper. T. F. McGee. No. 1,088,355; Feb. 24; Gaz. vol. 199; p. 1106.
- Diaper-cleaner. N. Langton. No. 1,093,939; Apr. 21; Gaz. vol. 201; p. 693.
- Diaper-cover. A. H. Stern. No. 1,100,450; June 16; Gaz. vol. 203; p. 795.
- Diaper-protector. I. M. Weisert. No. 1,096,477; May 12; Gaz. vol. 202; p. 480.
- Diaphragm. H. C. Mallory. No. 1,099,855; June 9; Gaz. vol. 203; p. 551.
- Diaphragm. J. W. Owen and A. Hewitt. No. 1,118,675; Nov. 24; Gaz. vol. 208; p. 1240.
- Diaphragm and casing construction. F. N. Roehrich. No. 1,097,595; May 19; Gaz. vol. 202; p. 908.
- Diaphragm, Expansible. W. E. Zierden. No. 1,109,499; Sept. 1; Gaz. vol. 206; p. 226.
- Diaphragms, Method and means for forming. G. C. Pierce. No. 1,091,763; Mar. 31; Gaz. vol. 200; p. 1222.
- Dicanthridylethylene-diamin-mono-aurocyanid and making same. G. Spiess and A. Feldt. No. 1,115,609; Nov. 3; Gaz. vol. 208; p. 49.
- Dice-cup. G. W. Markens. No. 1,103,366; July 14; Gaz. vol. 204; p. 444.
- Dictaphone. T. H. Macdonald. No. 1,100,755; June 23; Gaz. vol. 203; p. 951.
- Die: See Adjustable die; Brick or tile die; Cutting-die; Embossing-die; Heel-die; Metal-bending die; Saw-swage die; Screw-cutting die; Screw-threading die; Self-opening die; Spring-die; Type-die.
- Die. M. B. Kaven. No. 1,095,117; Apr. 28; Gaz. vol. 201; p. 1155.
- Die. G. D. Putnam. No. 1,109,783; Sept. 8; Gaz. vol. 206; p. 367.
- Die. J. C. Smith. No. 1,087,196; Feb. 17; Gaz. vol. 199; p. 657.
- Die. F. Wieland. No. 1,092,882; Apr. 14; Gaz. vol. 201; p. 295.
- Die. H. Zimmerman. No. 1,085,778; Feb. 3; Gaz. vol. 199; p. 72.
- Die-block. R. L. Wilcox. No. 1,108,958; Sept. 1; Gaz. vol. 206; p. 35.
- Die-casting machine. J. Bate. No. 1,121,455; Dec. 15; Gaz. vol. 209; p. 973.
- Die-head. J. A. Becher. No. 1,102,712; July 7; Gaz. vol. 204; p. 171.
- Die-head, Solid adjustable. H. L. Fisher. No. 1,117,363; Nov. 17; Gaz. vol. 208; p. 740.
- Die-holder. C. Hall. No. 1,085,037; Jan. 20; Gaz. vol. 198; p. 652.
- Die-press mechanism or the like. C. D. McDonald and C. E. Ennes. No. 1,121,271; Dec. 15; Gaz. vol. 209; p. 909.
- Die-sinking cutter. H. Melling. No. 1,115,855; Nov. 3; Gaz. vol. 208; p. 132.
- Die-stock. J. B. Martens. No. 1,112,818; Oct. 6; Gaz. vol. 207; p. 143.
- Die-stock. H. W. Oster. No. 1,085,934; Feb. 3; Gaz. vol. 199; p. 126.
- Die-stock. H. W. Oster. No. 1,085,935; Feb. 3; Gaz. vol. 199; p. 126.
- Die-stock. H. W. Oster and W. J. Macak. No. 1,116,838; Nov. 10; Gaz. vol. 208; p. 518.
- Die-stock. F. C. Sanford. No. 1,119,765; Dec. 1; Gaz. vol. 209; p. 296.
- Die-stocks, Attachable ratchet for. C. H. Armstrong. No. 1,106,535; Aug. 11; Gaz. vol. 205; p. 375.
- Die-threading machine. J. R. McClure. No. 1,096,257; May 12; Gaz. vol. 202; p. 406.
- Dies, Forming-. E. G. Hoffmann. No. 1,106,564; Aug. 11; Gaz. vol. 205; p. 387.
- Dies, Making. M. B. Kaven. No. 1,095,116; Apr. 28; Gaz. vol. 201; p. 1155.
- Dieing-machine. J. H. Reed. No. 1,091,707; Mar. 31; Gaz. vol. 200; p. 1203.
- Diethylacetyliscyanate. J. Callsen. No. 1,098,938; June 2; Gaz. vol. 203; p. 198.
- Differential mechanism. H. E. Bayly. No. 1,098,423; June 2; Gaz. vol. 203; p. 23.
- Differential mechanism. F. M. Lewis. No. 1,091,580; Mar. 31; Gaz. vol. 200; p. 1159.
- Differentiating mechanism. H. E. Bayly. No. 1,098,422; June 2; Gaz. vol. 203; p. 23.
- Diffuser for producing a uniform jet of unlimited width. F. C. Wickel. No. 1,085,313; Jan. 27; Gaz. vol. 198; p. 784.
- Digesters, Heating means for vertical. C. W. Morden. No. 1,090,331; Mar. 17; Gaz. vol. 200; p. 658.
- Digger: See Grass-digger; Post-hole digger; Potato-digger.
- Digging and cleaning ditches, Machine for. E. M. Fournet. No. 1,095,097; Apr. 28; Gaz. vol. 201; p. 1149.
- Digging and dredging machinery. W. J. Quimby. No. 1,108,001; Aug. 18; Gaz. vol. 205; p. 937.
- Digging and excavating machine. J. E. Little. No. 1,095,335; May 5; Gaz. vol. 202; p. 56.
- Digging and gathering machine. Root. A. R. Ditsworth. No. 1,105,762; Aug. 4; Gaz. vol. 205; p. 62.
- Digging implement. L. J. Baltz. No. 1,087,269; Feb. 17; Gaz. vol. 199; p. 684.
- Digging-machine. S. A. Ekehorn. No. 1,096,160; May 12; Gaz. vol. 202; p. 372.
- Digging machine, Ditch-. G. H. Greimann. No. 1,084,035; Jan. 20; Gaz. vol. 198; p. 651.
- Digging machine, Transportable potato-hole-. G. Kratzmann. No. 1,093,938; Apr. 21; Gaz. vol. 201; p. 692.
- Digging machine, Trench-. J. Lapin. No. 1,092,777; Apr. 7; Gaz. vol. 201; p. 224.
- Dihalogen-2-methylbutane and homologues thereof, Producing 2,3-. O. Graul. No. 1,102,654; July 7; Gaz. vol. 204; p. 152.
- Dihydrochlorid of diaminodioxarsenobenzene. P. Ehrlich and A. Berthelm. No. 1,116,398; Nov. 10; Gaz. vol. 208; p. 358.
- Dilator and catheter, Combined. C. L. Johnson. No. 1,097,978; May 26; Gaz. vol. 202; p. 1091.
- Dining-table, Self-serving. H. Strandberg. No. 1,095,239; May 5; Gaz. vol. 202; p. 22.
- Dinitro-diamino-benzophenone. L. Blangey. No. 1,104,611; July 21; Gaz. vol. 204; p. 917.
- Diols, Producing 1,3-. L. P. Kyriakides and R. B. Earle. No. 1,094,224; Apr. 21; Gaz. vol. 201; p. 789.
- Dipper-teeth, Point for. F. M. and F. R. Tipping. No. 1,095,605; May 5; Gaz. vol. 202; p. 148.
- Dipper-tooth. E. S. Black. No. 1,107,253; Aug. 18; Gaz. vol. 205; p. 674.
- Dipper tooth and clamp. E. Webb and V. Keech. No. 1,087,621; Feb. 17; Gaz. vol. 199; p. 807.
- Dipper-tooth, Reversible. W. S. McKee. No. 1,088,916; Mar. 3; Gaz. vol. 200; p. 83.
- Dipping-wheel. H. S. Busby. No. 1,102,135; June 30; Gaz. vol. 203; p. 1484.
- Direct-acting engine. A. Ball and T. Officer. No. 1,095,153; Apr. 28; Gaz. vol. 201; p. 1169.
- Direction-indicating signal. J. J. O'Connell. No. 1,089,950; Mar. 10; Gaz. vol. 200; p. 486.
- Direction-indicator. A. Frauchiger. No. 1,103,498; July 14; Gaz. vol. 204; p. 488.
- Direction-indicator. P. Schmidt. No. 1,100,201; June 16; Gaz. vol. 203; p. 710.
- Direction-indicator, Semaphorical. G. F. Watts. No. 1,100,207; June 16; Gaz. vol. 203; p. 711.
- Direction-signal for motor-vehicles. F. Gautzsch. No. 1,100,427; June 16; Gaz. vol. 203; p. 788.
- Directories, &c., Device for viewing and magnifying lines in telephone and other. J. Q. Adams. No. 1,084,921; Jan. 20; Gaz. vol. 198; p. 612.
- Directory. S. Tompkins. No. 1,096,767; May 12; Gaz. vol. 202; p. 577.
- Directory-board. F. De Silva. No. 1,121,809; Dec. 22; Gaz. vol. 209; p. 1132.
- Directory device. W. C. Cutler. No. 1,120,909; Dec. 15; Gaz. vol. 209; p. 784.
- Directory, Telephone-. H. J. Montgomery. No. 1,099,882; June 9; Gaz. vol. 203; p. 562.
- Discharge apparatus, High-frequency. H. W. Perkin. No. 1,093,072; Apr. 14; Gaz. vol. 201; p. 360.
- Discharge apparatus, High-tension. G. D. Rogers. No. 1,092,398; Apr. 7; Gaz. vol. 201; p. 94.
- Dish cleaner and drier. E. E. Hershey. No. 1,105,561; July 28; Gaz. vol. 204; p. 1297.
- Dish, Gravy-. M. Eichler. No. 1,121,993; Dec. 22; Gaz. vol. 209; p. 1198.
- Dish-holder, Sanitary. D. F. Curtin. No. 1,114,122; Oct. 20; Gaz. vol. 207; p. 679.
- Dish-making machine, Butter-. E. Craig. No. 1,113,879; Oct. 13; Gaz. vol. 207; p. 555.
- Dish-washing apparatus. C. Shipherd. No. 1,105,045; July 28; Gaz. vol. 204; p. 1115.
- Dish-washing machine. W. W. Bays. No. 1,097,702; May 26; Gaz. vol. 202; p. 991.
- Dish-washing machine. N. G. De Laney. No. 1,114,591; Oct. 20; Gaz. vol. 207; p. 845.

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- Dish-washing machine. H. T. Goss and J. W. Bryce. No. 1,090,845; Mar. 24; Gaz. vol. 200; p. 865.
- Dish-washing machine. R. W. Steed. No. 1,090,420; Mar. 17; Gaz. vol. 200; p. 691.
- Dish-washing machine. L. Strimban. No. 1,086,626; Feb. 10; Gaz. vol. 199; p. 412.
- Dish-washing machine. W. Tupper. No. 1,083,380; Jan. 6; Gaz. vol. 198; p. 40.
- Dish-washing machine. M. J. Weaver. No. 1,106,430; Aug. 11; Gaz. vol. 205; p. 335.
- Dish-washing machines, Dish-holding basket for. G. S. Blakeslee. No. 1,087,209; Feb. 17; Gaz. vol. 199; p. 662.
- Dishes, cups, and cutlery, Machine for washing. G. W. Rubush. No. 1,104,388; July 21; Gaz. vol. 204; p. 839.
- Disinfectant device. J. Gilson. No. 1,087,060; Feb. 10; Gaz. vol. 199; p. 558.
- Disinfectant-distributor. W. L. Miller. No. 1,091,374; Mar. 24; Gaz. vol. 200; p. 1045.
- Disinfectant-distributor for closets. J. J. Klein. No. 1,108,911; Sept. 1; Gaz. vol. 206; p. 17.
- Disinfectant, Toilet-. J. G. Rising. No. 1,083,561; Jan. 6; Gaz. vol. 198; p. 100.
- Disinfectants or other fluids, Device for distributing. A. T. King. No. 1,112,807; Oct. 6; Gaz. vol. 207; p. 139.
- Disinfectants, Production of. P. Flemming. No. 1,096,361; May 12; Gaz. vol. 202; p. 442.
- Disinfecting and deodorizing device. C. P. Danks. No. 1,113,959; Oct. 20; Gaz. vol. 207; p. 622.
- Disinfecting apparatus. C. H. Land. No. 1,087,669; Feb. 17; Gaz. vol. 199; p. 826.
- Disinfecting apparatus. W. H. Peck. No. 1,099,720; June 9; Gaz. vol. 203; p. 507.
- Disinfecting apparatus. E. R. Williams. No. 1,096,143; May 12; Gaz. vol. 202; p. 366.
- Disinfecting apparatus, Book-. S. J. Fisher and C. E. J. Jones. No. 1,122,714; Dec. 29; Gaz. vol. 209; p. 1485.
- Disinfecting appliance. F. R. Megan. No. 1,117,217; Nov. 17; Gaz. vol. 208; p. 689.
- Disinfecting device. J. G. Cory. No. 1,085,546; Jan. 27; Gaz. vol. 198; p. 860.
- Disinfecting device. I. C. Rossom. No. 1,096,461; May 12; Gaz. vol. 202; p. 474.
- Disinfecting or perfuming apparatus. C. O. Lindstrom. No. 1,100,751; June 23; Gaz. vol. 203; p. 950.
- Disinfecting the seats of water-closets, Apparatus for. G. Kreuter. No. 1,095,891; May 5; Gaz. vol. 202; p. 243.
- Disinfectors. M. Moehrl. No. 1,086,331; Feb. 3; Gaz. vol. 199; p. 260.
- Disinfectors, Toilet-. R. J. Lewers. No. 1,117,868; Nov. 17; Gaz. vol. 208; p. 918.
- Disintegrating-machine. C. H. J. Dilg. No. 1,085,975; Feb. 3; Gaz. vol. 199; p. 141.
- Disk attachment. T. Brennan, Jr. No. 1,095,798; May 5; Gaz. vol. 202; p. 213.
- Disk cutter. E. T. Adell. No. 1,095,615; May 5; Gaz. vol. 202; p. 151.
- Disk drill. O. G. Rieske. No. 1,116,486; Nov. 10; Gaz. vol. 208; p. 389.
- Disk-feeding machine. O. J. Olm. No. 1,114,177; Oct. 20; Gaz. vol. 207; p. 700.
- Disk-feeding machine. O. J. Olm. No. 1,114,178; Oct. 20; Gaz. vol. 207; p. 701.
- Disk-holder. F. E. Housh. No. 1,098,154; May 26; Gaz. vol. 202; p. 1150.
- Disk-record holder. J. M. Alter. No. 1,121,446; Dec. 15; Gaz. vol. 209; p. 969.
- Disks, Adjustable supporting-arm and boxing for. J. R. Long. No. 1,100,589; June 16; Gaz. vol. 203; p. 841.
- Dispenser, Cup-. L. S. Flatau. No. 1,091,921; Mar. 31; Gaz. vol. 200; p. 1279.
- Dispensing and measuring apparatus. C. P. Carroll. No. 1,084,927; Jan. 20; Gaz. vol. 198; p. 614.
- Dispensing apparatus. R. E. Bechtold and H. J. Grosvenor. No. 1,108,673; Aug. 25; Gaz. vol. 205; p. 1218.
- Dispensing apparatus. E. E. Claussen. No. 1,083,727; Jan. 6; Gaz. vol. 198; p. 156.
- Dispensing apparatus. E. E. Claussen. No. 1,093,976; Apr. 21; Gaz. vol. 201; p. 705.
- Dispensing apparatus. C. W. Shonk. No. 1,087,148; Feb. 17; Gaz. vol. 199; p. 640.
- Dispensing apparatus. F. T. Wiechert. No. 1,091,554; Mar. 31; Gaz. vol. 200; p. 1150.
- Dispensing apparatus. R. P. Wilton. No. 1,102,377; July 7; Gaz. vol. 204; p. 53.
- Dispensing apparatus, Traveler-. O. L. Owen. No. 1,097,355; May 19; Gaz. vol. 202; p. 828.
- Dispensing-bin. L. B. Thomas. No. 1,118,381; Nov. 24; Gaz. vol. 208; p. 1137.
- Dispensing-bin, Grocer's. G. K. Walker. No. 1,101,822; June 30; Gaz. vol. 203; p. 1372.
- Dispensing-can. B. Gooch. No. 1,110,682; Sept. 15; Gaz. vol. 206; p. 729.
- Dispensing-can. G. W. Hagerthey. No. 1,093,325; Apr. 14; Gaz. vol. 201; p. 448.
- Dispensing congealed or solid substances, Apparatus for. A. Stapler. No. 1,089,683; Mar. 10; Gaz. vol. 200; p. 394.
- Dispensing device. O. Karcher. No. 1,105,797; Aug. 4; Gaz. vol. 205; p. 73.
- Dispensing device. W. West and L. C. Goff. No. 1,105,732; Aug. 4; Gaz. vol. 205; p. 52.
- Dispensing-machine. H. E. Erwin. No. 1,095,319; May 5; Gaz. vol. 202; p. 50.
- Dispensing-package. A. Falk. No. 1,117,016; Nov. 10; Gaz. vol. 208; p. 579.
- Display apparatus. H. Bucklin. No. 1,115,497; Nov. 3; Gaz. vol. 208; p. 10.
- Display apparatus. E. M. Dougherty. No. 1,099,345; June 9; Gaz. vol. 203; p. 379.
- Display apparatus. H. and E. Eckschlager. No. 1,099,431; June 9; Gaz. vol. 203; p. 408.
- Display apparatus. E. T. Gray and J. J. Dauler. No. 1,112,901; Oct. 6; Gaz. vol. 207; p. 170.
- Display apparatus. M. Kohn. No. 1,112,917; Oct. 6; Gaz. vol. 207; p. 176.
- Display apparatus. K. Koike and G. L. Grant. No. 1,085,441; Jan. 27; Gaz. vol. 198; p. 827.
- Display apparatus. F. P. Walton. No. 1,088,640; Feb. 24; Gaz. vol. 199; p. 1199.
- Display apparatus. J. I. Wiley. No. 1,110,296; Sept. 8; Gaz. vol. 206; p. 552.
- Display apparatus. J. E. Wood. No. 1,084,121; Jan. 13; Gaz. vol. 198; p. 316.
- Display apparatus, Automatic. J. F. Tilley and S. B. Austin. No. 1,111,625; Sept. 22; Gaz. vol. 206; p. 1098.
- Display apparatus, Electric. J. P. Naylor. No. 1,087,044; Feb. 10; Gaz. vol. 199; p. 553.
- Display apparatus for merchandise. E. E. Paddock. No. 1,116,616; Nov. 10; Gaz. vol. 208; p. 438.
- Display apparatus, Spectacular. G. T. Thompson. No. 1,106,255; Aug. 4; Gaz. vol. 205; p. 231.
- Display apparatus, Traveling. W. E. Avery and W. E. Parker. No. 1,087,208; Feb. 17; Gaz. vol. 199; p. 662.
- Display attachment for boxes, Button-. R. B. Spivy. No. 1,118,824; Nov. 24; Gaz. vol. 208; p. 1289.
- Display attachment for doors. E. McClung. No. 1,096,444; May 12; Gaz. vol. 202; p. 469.
- Display-block for watches. O. Traurig. No. 1,122,668; Dec. 29; Gaz. vol. 209; p. 1469.
- Display-box. H. W. Dunphee. No. 1,104,253; July 21; Gaz. vol. 204; p. 791.
- Display-box. C. E. Judkins. No. 1,120,204; Dec. 8; Gaz. vol. 209; p. 486.
- Display-box. S. Moskowitz. No. 1,107,985; Aug. 18; Gaz. vol. 205; p. 931.
- Display-box. E. J. Shipman. No. 1,094,605; Apr. 28; Gaz. vol. 201; p. 977.
- Display-box, Foldable. N. Nielson. No. 1,083,461; Jan. 6; Gaz. vol. 198; p. 68.
- Display-cabinet. M. Bayuk. No. 1,113,737; Oct. 13; Gaz. vol. 207; p. 505.
- Display-cabinet. C. G. Duffy. No. 1,096,023; May 12; Gaz. vol. 202; p. 325.
- Display-cabinet. W. E. Shepard. No. 1,104,711; July 21; Gaz. vol. 204; p. 951.
- Display cabinet, Ribbon-. P. Gardner. No. 1,098,897; June 2; Gaz. vol. 203; p. 184.
- Display cabinet, Stock-. S. Weil and G. G. Waters. No. 1,114,080; Oct. 20; Gaz. vol. 207; p. 665.
- Display-card. B. E. Sawyer. No. 1,113,580; Oct. 13; Gaz. vol. 207; p. 451.
- Display-card. P. R. Warren. No. 1,093,303; Apr. 14; Gaz. vol. 201; p. 441.
- Display-card. P. M. Wolsieffer. No. 1,083,972; Jan. 13; Gaz. vol. 198; p. 265.
- Display-card with easel attachment. H. J. Potts. No. 1,117,085; Nov. 10; Gaz. vol. 208; p. 603.
- Display-cards and the like, Means for use in making. G. W. Gray. No. 1,116,692; Nov. 10; Gaz. vol. 208; p. 466.
- Display-carton. R. R. Richardson. No. 1,114,041; Oct. 20; Gaz. vol. 207; p. 649.
- Display-case. W. H. Davis. No. 1,102,145; June 30; Gaz. vol. 203; p. 1487.
- Display-case. H. R. Ham. No. 1,094,326; Apr. 21; Gaz. vol. 201; p. 819.
- Display-case. A. S. Klein. No. 1,109,339; Sept. 1; Gaz. vol. 206; p. 172.
- Display-case. D. R. Slater. No. 1,118,690; Nov. 24; Gaz. vol. 208; p. 1245.
- Display-case. M. A. Webb. No. 1,088,249; Feb. 24; Gaz. vol. 199; p. 1070.
- Display-case and packing-receptacle. J. E. Hughes. No. 1,099,373; June 9; Gaz. vol. 203; p. 389.
- Display chair, Garment-. S. Marcus. No. 1,093,562; Apr. 14; Gaz. vol. 201; p. 521.
- Display-container. P. R. Warren. No. 1,099,832; June 9; Gaz. vol. 203; p. 543.
- Display container and stand. C. Wrayge, Jr. No. 1,113,725; Oct. 13; Gaz. vol. 207; p. 502.
- Display-counter. E. Friedrich. No. 1,108,985; Sept. 1; Gaz. vol. 206; p. 45.
- Display-counter. W. G. Sherer. No. 1,097,562; May 19; Gaz. vol. 202; p. 897.
- Display-cover and guard for boxes. M. Bayuk. No. 1,105,240; July 28; Gaz. vol. 204; p. 1184.
- Display-cover, Box. F. W. Gibson and C. S. Marden. No. 1,115,422; Oct. 27; Gaz. vol. 207; p. 1190.
- Display device. C. J. Fox and W. E. Scott. No. 1,117,655; Nov. 17; Gaz. vol. 208; p. 843.

Alphabetical list of inventions—Continued.

- Display device. J. J. Karges. No. 1,107,075; Aug. 11; Gaz. vol. 205; p. 562.
- Display device. H. W. Knautz. No. 1,122,208; Dec. 22; Gaz. vol. 209; p. 1270.
- Display device. O. L. Smith. No. 1,099,132; June 2; Gaz. vol. 203; p. 259.
- Display device. O. L. Smith. No. 1,115,604; Nov. 3; Gaz. vol. 208; p. 47.
- Display device. A. S. Spiegel. No. 1,088,107; Feb. 24; Gaz. vol. 199; p. 1023.
- Display device. J. Stranders. No. 1,098,924; June 2; Gaz. vol. 203; p. 193.
- Display device. D. F. Thomson. No. 1,103,327; July 14; Gaz. vol. 204; p. 432.
- Display device and announcing-graphophone, Combined. T. H. Macdonald. No. 1,119,295; Dec. 1; Gaz. vol. 209; p. 136.
- Display device, Automatic. T. H. Macdonald. No. 1,090,552; Mar. 17; Gaz. vol. 200; p. 737.
- Display device, Electrical. H. A. Kunitz. No. 1,108,190; Aug. 25; Gaz. vol. 205; p. 1051.
- Display device for doors. J. M. Nunn. No. 1,110,399; Sept. 15; Gaz. vol. 206; p. 628.
- Display device, Goods-. H. Bucklin. No. 1,115,498; Nov. 3; Gaz. vol. 208; p. 11.
- Display device, Moving. E. H. Richardson. No. 1,103,624; July 14; Gaz. vol. 204; p. 535.
- Display device or badge. G. L. and H. E. Winterhalter. No. 1,093,516; Apr. 14; Gaz. vol. 201; p. 508.
- Display device, Pneumatically-operated. C. L. Howard. No. 1,102,270; July 7; Gaz. vol. 204; p. 17.
- Display device, Revolving card-. G. R. Jaqua. No. 1,120,503; Dec. 8; Gaz. vol. 209; p. 592.
- Display-easel. J. A. Prigge, Jr. No. 1,120,239; Dec. 8; Gaz. vol. 209; p. 499.
- Display-easel. J. B. Williamson. No. 1,109,561; Sept. 1; Gaz. vol. 206; p. 246.
- Display, Electrical. V. E. Rumbarger. No. 1,113,250; Oct. 13; Gaz. vol. 207; p. 334.
- Display-frame. P. Rappaport. No. 1,085,484; Jan. 27; Gaz. vol. 198; p. 840.
- Display-hanger. T. H. Blacknall. No. 1,090,968; Mar. 24; Gaz. vol. 200; p. 908.
- Display holder, Receptacle-. A. G. Canby. No. 1,093,033; Apr. 14; Gaz. vol. 201; p. 345.
- Display-lid, Adjustable. P. A. Becker. No. 1,094,193; Apr. 21; Gaz. vol. 201; p. 778.
- Display-lid, Removable. P. A. Becker. No. 1,107,643; Aug. 18; Gaz. vol. 205; p. 813.
- Display-machine. W. C. Cutler. No. 1,111,725; Sept. 22; Gaz. vol. 206; p. 1134.
- Display-machine. C. W. Sponsel. No. 1,100,925; June 23; Gaz. vol. 203; p. 1012.
- Display-machine, Store-window. J. W. Schaefer. No. 1,108,008; Aug. 18; Gaz. vol. 205; p. 940.
- Display-machines, Picture-record for. A. F. Victor. No. 1,096,873; May 19; Gaz. vol. 202; p. 657.
- Display-mount. S. H. Tolman. No. 1,106,688; Aug. 11; Gaz. vol. 205; p. 429.
- Display-pedestal. H. I. Hallett. No. 1,103,286; July 14; Gaz. vol. 204; p. 417.
- Display-rack. J. S. Adamson. No. 1,103,728; July 14; Gaz. vol. 204; p. 572.
- Display-rack. O. M. Arnold. No. 1,108,061; Aug. 18; Gaz. vol. 205; p. 958.
- Display-rack. M. T. Brennan. No. 1,122,362; Dec. 29; Gaz. vol. 209; p. 1362.
- Display-rack. L. Feldman, Jr., and T. E. Crecelius. No. 1,103,136; July 14; Gaz. vol. 204; p. 366.
- Display-rack. F. W. Gibson. No. 1,102,037; June 30; Gaz. vol. 203; p. 1450.
- Display-rack. C. H. Glashagel. No. 1,114,465; Oct. 20; Gaz. vol. 207; p. 804.
- Display-rack. M. Mayer. No. 1,089,849; Mar. 10; Gaz. vol. 200; p. 450.
- Display-rack. A. S. J. Stevenson. No. 1,120,168; Dec. 8; Gaz. vol. 209; p. 473.
- Display-rack. A. Vanderveld. No. 1,113,386; Oct. 13; Gaz. vol. 207; p. 384.
- Display rack, Card-. C. R. Hooper. No. 1,087,235; Feb. 17; Gaz. vol. 199; p. 673.
- Display-rack, Folding. J. B. Timberlake. No. 1,095,045; Apr. 28; Gaz. vol. 201; p. 1132.
- Display-rack for ax-handles and the like. J. Wall. No. 1,084,378; Jan. 13; Gaz. vol. 198; p. 401.
- Display-rack for axes. A. G. Ingle. No. 1,095,401; May 5; Gaz. vol. 202; p. 77.
- Display-rack for brushes. M. H. Bishop. No. 1,111,989; Sept. 29; Gaz. vol. 206; p. 1260.
- Display-rack for spools, &c. H. H. Belding and L. L. Pearce. No. 1,090,831; Mar. 24; Gaz. vol. 200; p. 861.
- Display-rack for wall-paper and other merchandise. S. L. Ralph. No. 1,116,484; Nov. 10; Gaz. vol. 208; p. 388.
- Display-rack for windows. M. R. Wood. No. 1,096,660; May 12; Gaz. vol. 202; p. 541.
- Display rack, Mattress-. A. Fisher. No. 1,114,455; Oct. 20; Gaz. vol. 207; p. 800.
- Display rack, Umbrella-. C. Sword. No. 1,095,130; Apr. 28; Gaz. vol. 201; p. 1160.
- Display-rack wing or leaf. L. Feldmann, Jr., and T. E. Crecelius. No. 1,104,486; July 21; Gaz. vol. 204; p. 873.
- Display-racks, Cutting mechanism for. D. L. Lanford. No. 1,084,350; Jan. 13; Gaz. vol. 198; p. 392.
- Display-stand. S. Feuerstein. No. 1,096,616; May 12; Gaz. vol. 202; p. 526.
- Display-stand. C. C. Fleming. No. 1,117,824; Nov. 17; Gaz. vol. 208; p. 904.
- Display-stand. W. J. Haussler. No. 1,093,327; Apr. 14; Gaz. vol. 201; p. 449.
- Display-stand. J. A. Imhof. No. 1,094,995; Apr. 28; Gaz. vol. 201; p. 1116.
- Display-stand. J. J. Jones. No. 1,096,374; May 12; Gaz. vol. 202; p. 446.
- Display-stand. H. J. Lampert. No. 1,109,765; Sept. 8; Gaz. vol. 206; p. 362.
- Display-stand. B. Rosenberg. No. 1,086,690; Feb. 10; Gaz. vol. 199; p. 433.
- Display-stand. F. G. Schmehl. No. 1,103,086; July 14; Gaz. vol. 204; p. 347.
- Display-stand and cover for receptacles, Combined. G. P. Waidely. No. 1,085,647; Feb. 3; Gaz. vol. 199; p. 24.
- Display-stand, Portable. W. Schweitzer and H. H. Labadie. No. 1,089,349; Mar. 3; Gaz. vol. 200; p. 229.
- Display stand, Undertaker's flower-. G. F. Honold. No. 1,115,673; Nov. 3; Gaz. vol. 208; p. 71.
- Display structure and carton therefor. R. R. Richardson. No. 1,104,933; July 28; Gaz. vol. 204; p. 1077.
- Display wardrobe-cabinet. J. Hofman. No. 1,115,820; Nov. 3; Gaz. vol. 208; p. 118.
- Displaying advertising matter, Apparatus for. C. W. Carey and C. S. Leonard. No. 1,097,583; May 19; Gaz. vol. 202; p. 904.
- Displaying apparatus. L. J. Goddard. No. 1,102,735; July 7; Gaz. vol. 204; p. 179.
- Displaying device, Coin-. F. W. Garner. No. 1,122,493; Dec. 29; Gaz. vol. 209; p. 1406.
- Displaying device, Sample-. E. McCarrell. No. 1,119,087; Dec. 1; Gaz. vol. 209; p. 66.
- Distillation. T. W. Pritchard and M. C. Whitaker. No. 1,110,820; Sept. 15; Gaz. vol. 206; p. 776.
- Distillation. M. C. Whitaker. No. 1,110,850; Sept. 15; Gaz. vol. 206; p. 787.
- Distillation. A. Woolner, Jr. No. 1,104,948; July 28; Gaz. vol. 204; p. 1082.
- Distillation apparatus. E. Hart. No. 1,096,838; May 19; Gaz. vol. 202; p. 645.
- Distillation of oily substances, Fractional. H. Keppers. No. 1,098,734; June 2; Gaz. vol. 203; p. 129.
- Distillation of wood, Apparatus for. W. Danner. No. 1,096,687; May 12; Gaz. vol. 202; p. 550.
- Distillation of wood, Apparatus for the destructive. S. E. Seaman. No. 1,115,590; Nov. 3; Gaz. vol. 208; p. 41.
- Distillation of wood, Destructive. S. E. Seaman. No. 1,108,403; Aug. 25; Gaz. vol. 205; p. 1125.
- Distillation, Oil. S. M. Herber. No. 1,111,580; Sept. 22; Gaz. vol. 206; p. 1083.
- Distillation, Process and apparatus for wood. F. Woldich. No. 1,092,620; Apr. 7; Gaz. vol. 201; p. 172.
- Distilled water, Apparatus for producing. B. Bleicken. No. 1,102,131; June 30; Gaz. vol. 203; p. 1483.
- Distillery waste, Treating. G. Meunier. No. 1,107,175; Aug. 11; Gaz. vol. 205; p. 599.
- Distilling acids, Means for. W. Hof. No. 1,099,368; June 9; Gaz. vol. 203; p. 388.
- Distilling apparatus. R. C. Dundas. No. 1,120,039; Dec. 8; Gaz. vol. 209; p. 428.
- Distilling apparatus. C. T. Hanna. No. 1,102,910; July 7; Gaz. vol. 204; p. 238.
- Distilling apparatus. C. E. Molesworth. No. 1,086,684; Feb. 10; Gaz. vol. 199; p. 431.
- Distilling apparatus. P. Publicker. No. 1,087,907; Feb. 17; Gaz. vol. 199; p. 904.
- Distilling apparatus. A. G. Waterhouse. No. 1,113,521; Oct. 13; Gaz. vol. 207; p. 431.
- Distilling apparatus, Continuous. A. L. Obrador. No. 1,106,832; Aug. 11; Gaz. vol. 205; p. 480.
- Distilling apparatus, Petroleum-. C. R. Ewing. No. 1,083,998; Jan. 13; Gaz. vol. 198; p. 274.
- Distilling apparatus, Petroleum-. R. E. Humphreys. No. 1,122,002; Dec. 22; Gaz. vol. 209; p. 1201.
- Distilling column, High-proof water-cooled spirit-. F. Publicker. No. 1,109,701; Sept. 8; Gaz. vol. 206; p. 340.
- Distilling, cooling, heating, and similar purposes, Column apparatus for. H. A. Gasser. No. 1,089,831; Mar. 10; Gaz. vol. 200; p. 445.
- Distilling crude oil and other substances, Apparatus for continuously. C. B. Forward. No. 1,088,693; Mar. 3; Gaz. vol. 200; p. 8.
- Distilling crude pyroligneous acid. M. Klar. No. 1,089,417; Mar. 10; Gaz. vol. 200; p. 300.
- Distilling glycerin. F. J. Wood. No. 1,089,383; Mar. 3; Gaz. vol. 200; p. 240.
- Distilling glycerin, Apparatus for. F. J. Wood. No. 1,098,543; June 2; Gaz. vol. 203; p. 66.
- Distilling petroleum. E. M. Clark. No. 1,119,496; Dec. 1; Gaz. vol. 209; p. 206.
- Distilling petroleum. R. E. Humphreys. No. 1,122,003; Dec. 22; Gaz. vol. 209; p. 1201.

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- Distilling petroleum. W. C. Koehler and L. Link. No. 1,084,016; Jan. 13; Gaz. vol. 198; p. 280.
- Distilling petroleum, Process of and apparatus for. J. W. Van Dyke and W. M. Irish. No. 1,095,438; May 5; Gaz. vol. 202; p. 90.
- Distilling wood. F. and G. M. Pope. No. 1,085,875; Feb. 3; Gaz. vol. 199; p. 105.
- Distributor. J. V. Carter. No. 1,095,380; May 5; Gaz. vol. 202; p. 70.
- Distributor. W. R. Buck. No. 1,104,342; July 21; Gaz. vol. 204; p. 823.
- Distributing-box. W. B. Greene. No. 1,121,350; Dec. 15; Gaz. vol. 209; p. 936.
- Distribution system. F. Conrad. No. 1,108,886; Sept. 1; Gaz. vol. 206; p. 7.
- Distribution system. E. E. F. Creighton. No. 1,111,365; Sept. 22; Gaz. vol. 206; p. 1008.
- Distribution system. F. W. Lyle. No. 1,094,732; Apr. 28; Gaz. vol. 201; p. 1025.
- Distribution system. E. Thomson. No. 1,105,716; Aug. 4; Gaz. vol. 205; p. 46.
- Ditcher. W. W. Jones. No. 1,088,584; Feb. 24; Gaz. vol. 199; p. 1180.
- Ditcher. C. E. Warren. No. 1,089,802; Mar. 10; Gaz. vol. 200; p. 434.
- Ditching-machine. L. E. Ashe. No. 1,100,414; June 16; Gaz. vol. 203; p. 784.
- Ditching-machine. G. Edwards. No. 1,113,318; Oct. 13; Gaz. vol. 207; p. 359.
- Ditching-machine. J. H. Mock. No. 1,111,398; Sept. 22; Gaz. vol. 206; p. 1019.
- Ditching-machine. G. L. Naumann. No. 1,100,604; June 16; Gaz. vol. 203; p. 846.
- Ditching-machine. A. R. Strong. No. 1,090,247; Mar. 17; Gaz. vol. 200; p. 630.
- Ditching-machine gage. T. Linga. No. 1,099,385; June 9; Gaz. vol. 203; p. 393.
- Ditching machine, Road-. J. Rannel. No. 1,092,169; Apr. 7; Gaz. vol. 201; p. 15.
- Ditching-machines, Caterpillar for. T. Linga. No. 1,116,302; Nov. 3; Gaz. vol. 208; p. 283.
- Divan and couch-bed, Combined. A. E. Irelan. No. 1,086,369; Feb. 10; Gaz. vol. 199; p. 321.
- Diver's suit. J. F. Deray. No. 1,096,607; May 12; Gaz. vol. 202; p. 523.
- Diving apparatus. E. Niehoff. No. 1,099,814; June 9; Gaz. vol. 203; p. 538.
- Diving apparatus for submarine work. M. Bembina and L. Durand. No. 1,085,009; Jan. 20; Gaz. vol. 198; p. 642.
- Diving-chamber for submarine operations. C. Petit. No. 1,109,145; Sept. 1; Gaz. vol. 206; p. 101.
- Dividers. H. F. Coffman. No. 1,108,706; Aug. 25; Gaz. vol. 205; p. 1229.
- Dividing-box. H. C. Alger. No. 1,120,583; Dec. 8; Gaz. vol. 209; p. 621.
- Division-board. W. S. Livengood. No. 1,121,564; Dec. 15; Gaz. vol. 209; p. 1011.
- Dock, Floating dry-. W. T. Donnelly. No. 1,107,768; Aug. 18; Gaz. vol. 205; p. 858.
- Dock structure. H. J. Brunner. No. 1,089,745; Mar. 10; Gaz. vol. 200; p. 415.
- Doctor or scraper for cleaning the surfaces of cylinders, rolls, &c. J. Nuttall. No. 1,092,798; Apr. 7; Gaz. vol. 201; p. 231.
- Doffer. B. A. Peterson. No. 1,100,812; June 30; Gaz. vol. 203; p. 1369.
- Doffer. B. A. Peterson. No. 1,117,437; Nov. 17; Gaz. vol. 208; p. 766.
- Doffer. B. A. Peterson. No. 1,121,535; Dec. 15; Gaz. vol. 209; p. 999.
- Doffer. B. A. Peterson. No. 1,122,417; Dec. 29; Gaz. vol. 209; p. 1379.
- Doffing mechanism. S. Shackleton. No. 1,090,758; Mar. 17; Gaz. vol. 200; p. 803.
- Doll. F. W. Parsons. No. 1,120,331; Dec. 8; Gaz. vol. 209; p. 531.
- Doll, Crying. A. Steiner. No. 1,085,640; Feb. 3; Gaz. vol. 199; p. 21.
- Doll-head. E. Reinhardt. No. 1,112,032; Sept. 29; Gaz. vol. 206; p. 1274.
- Doll-support. K. M. Jessup. No. 1,105,519; July 28; Gaz. vol. 204; p. 1283.
- Dolls, Articulation of. H. W. Meier. No. 1,091,944; Mar. 31; Gaz. vol. 200; p. 1286.
- Dolls, Limb-holding mechanism for. E. L. Kahler. No. 1,119,963; Dec. 8; Gaz. vol. 209; p. 401.
- Door. N. Des Rosiers. No. 1,100,057; June 16; Gaz. vol. 203; p. 659.
- Door. F. H. Hopkins. No. 1,099,878; June 9; Gaz. vol. 203; p. 560.
- Door. T. Kundtz. No. 1,114,271; Oct. 20; Gaz. vol. 207; p. 734.
- Door. W. H. Miller. No. 1,092,501; Apr. 7; Gaz. vol. 201; p. 131.
- Door. C. Mosch. No. 1,085,931; Feb. 3; Gaz. vol. 199; p. 125.
- Door. O. Niemann. No. 1,097,558; May 19; Gaz. vol. 202; p. 895.
- Door. J. O'Brien and A. A. Lueke. No. 1,085,470; Jan. 27; Gaz. vol. 198; p. 836.
- Door. W. Potter. No. 1,103,377; July 14; Gaz. vol. 204; p. 448.
- Door. F. and P. Roberti. No. 1,101,960; June 30; Gaz. vol. 203; p. 1422.
- Door-alarm. C. F. Caulkins. No. 1,110,893; Sept. 15; Gaz. vol. 206; p. 804.
- Door and gate closer. J. Eneix. No. 1,083,809; Jan. 6; Gaz. vol. 198; p. 181.
- Door and gate stop, Combined. J. O. Ford. No. 1,108,731; Aug. 25; Gaz. vol. 205; p. 1239.
- Door and latch handle. A. G. Weiser. No. 1,095,611; May 5; Gaz. vol. 202; p. 150.
- Door and means for operating the same. F. D. Ogden. No. 1,090,491; Mar. 17; Gaz. vol. 200; p. 716.
- Door and step operating mechanism. R. T. Senter. No. 1,105,707; Aug. 4; Gaz. vol. 205; p. 43.
- Door and step operating mechanism. W. M. Smith. No. 1,117,921; Nov. 17; Gaz. vol. 208; p. 934.
- Door and wharf-drop mechanism, Combination. A. T. Prescott. No. 1,094,015; Apr. 21; Gaz. vol. 201; p. 718.
- Door and window screen. C. E. Mattison. No. 1,095,340; May 5; Gaz. vol. 202; p. 57.
- Door attachment. J. E. Johnson. No. 1,120,505; Dec. 8; Gaz. vol. 209; p. 593.
- Door attachment. T. Schidorsky and J. Barashick. No. 1,088,300; Feb. 24; Gaz. vol. 199; p. 1088.
- Door automatic fastener. J. F. Oborny. No. 1,120,521; Dec. 8; Gaz. vol. 209; p. 593.
- Door, Baffle-plate. J. Zimmerman. No. 1,104,950; July 28; Gaz. vol. 204; p. 1083.
- Door-bolt. G. H. Stanbridge. No. 1,108,939; Sept. 1; Gaz. vol. 206; p. 29.
- Door-bolt, Combination. W. A. Baker. No. 1,109,815; Sept. 8; Gaz. vol. 206; p. 378.
- Door brace, Screen-. W. A. Morrison. No. 1,090,405; Mar. 17; Gaz. vol. 200; p. 685.
- Door-buffer. W. R. Concie and C. H. Smith. No. 1,119,346; Dec. 1; Gaz. vol. 209; p. 154.
- Door, Bulkhead-. H. H. Thayer, Jr. No. 1,110,410; Sept. 15; Gaz. vol. 206; p. 632.
- Door-bumper. P. L. Hoffman. No. 1,090,307; Mar. 17; Gaz. vol. 200; p. 651.
- Door-catch. R. D. King. No. 1,095,578; May 5; Gaz. vol. 202; p. 139.
- Door-catch. G. S. Parker. No. 1,111,759; Sept. 29; Gaz. vol. 206; p. 1181.
- Door-catch. D. T. Shook. No. 1,120,095; Dec. 8; Gaz. vol. 209; p. 446.
- Door-catch. C. E. Wade. No. 1,120,107; Dec. 8; Gaz. vol. 209; p. 451.
- Door-check. H. Ball. No. 1,103,648; July 14; Gaz. vol. 204; p. 545.
- Door-check. A. Blist. No. 1,111,291; Sept. 22; Gaz. vol. 206; p. 983.
- Door-check. F. Brucker. No. 1,085,192; Jan. 27; Gaz. vol. 198; p. 741.
- Door-check. J. J. Daly. No. 1,102,727; July 7; Gaz. vol. 204; p. 176.
- Door-check. B. Downey. No. 1,085,027; Jan. 20; Gaz. vol. 198; p. 648.
- Door-check. E. M. Erdmann. No. 1,086,518; Feb. 10; Gaz. vol. 199; p. 373.
- Door-check. A. N. Fancher. No. 1,122,091; Dec. 22; Gaz. vol. 209; p. 1232.
- Door-check. J. E. Gibbs. No. 1,104,653; July 21; Gaz. vol. 204; p. 931.
- Door-check. L. R. Hendrix. No. 1,110,628; Sept. 15; Gaz. vol. 206; p. 710.
- Door-check. T. A. Lawler. No. 1,122,133; Dec. 22; Gaz. vol. 209; p. 1245.
- Door-check. R. Newsam. No. 1,100,249; June 16; Gaz. vol. 203; p. 725.
- Door-check. C. T. Rogers. No. 1,090,879; Mar. 24; Gaz. vol. 200; p. 878.
- Door-check. H. G. Voight. No. 1,090,804; Mar. 17; Gaz. vol. 200; p. 819.
- Door check and closer. W. S. Finken. No. 1,121,084; Dec. 15; Gaz. vol. 209; p. 844.
- Door check and closer. J. Hoferle. No. 1,115,539; Nov. 3; Gaz. vol. 208; p. 25.
- Door check and closer. A. J. Rosentreter. No. 1,119,878; Dec. 8; Gaz. vol. 209; p. 371.
- Door check and closer. A. J. Rosentreter. No. 1,120,544; Dec. 8; Gaz. vol. 209; p. 607.
- Door check and hinge. P. Märksch. No. 1,103,792; July 14; Gaz. vol. 204; p. 594.
- Door check and holder. J. A. Clem. No. 1,105,963; Aug. 4; Gaz. vol. 205; p. 131.
- Door check and holder. A. Rispel. No. 1,115,574; Nov. 3; Gaz. vol. 208; p. 36.
- Door-check, Liquid. L. C. Norton. No. 1,117,693; Nov. 17; Gaz. vol. 208; p. 857.
- Door check, Screen-. A. A. Page. No. 1,117,230; Nov. 17; Gaz. vol. 208; p. 694.
- Door check, Screen-. E. R. Sargent and E. H. Eggleston. No. 1,117,253; Nov. 17; Gaz. vol. 208; p. 701.
- Door-closer. H. Ball. No. 1,116,365; Nov. 10; Gaz. vol. 208; p. 347.
- Door-closer. J. Eccleston. No. 1,106,640; Aug. 11; Gaz. vol. 205; p. 413.

Alphabetical list of inventions—Continued.

- Door-closer. H. G. Voight. No. 1,097,605; May 19; Gaz. vol. 202; p. 913.
- Door closer and check. F. J. Bayer and A. J. Rosen-
treter. No. 1,113,184; Oct. 13; Gaz. vol. 207; p. 309.
- Door closer and check. P. A. Richmond. No. 1,114,184;
Oct. 20; Gaz. vol. 207; p. 703.
- Door closer and check. H. G. Voight. No. 1,085,070; Jan.
20; Gaz. vol. 198; p. 662.
- Door closer and check. H. G. Voight. No. 1,097,604; May
19; Gaz. vol. 202; p. 912.
- Door closer and check. H. J. Wright. No. 1,114,216;
Oct. 20; Gaz. vol. 207; p. 714.
- Door-closer, Automatic. E. W. Grogan. No. 1,092,041;
Mar. 31; Gaz. vol. 200; p. 1316.
- Door-closer, Spring. J. A. Cross. No. 1,094,306; Apr.
21; Gaz. vol. 201; p. 814.
- Door-closers and the like, Detent mechanism for. A. A.
Page. No. 1,086,847; Feb. 10; Gaz. vol. 199; p. 489.
- Door closing and locking device, Sliding. J. Kohn. No.
1,094,909; Apr. 28; Gaz. vol. 201; p. 1085.
- Door-closing device. J. W. Clemmer and H. H. Burton.
No. 1,087,483; Feb. 17; Gaz. vol. 199; p. 759.
- Door-closing device, Automatic. W. E. Brown. No.
1,114,854; Oct. 27; Gaz. vol. 207; p. 991.
- Door-closing device, Sliding. J. H. Rye and J. E. Flexner.
No. 1,118,811; Nov. 24; Gaz. vol. 208; p. 1285.
- Door-closure. J. Weiss. No. 1,086,962; Feb. 10; Gaz.
vol. 199; p. 527.
- Door construction. F. A. Winslow. No. 1,099,415; June
9; Gaz. vol. 203; p. 403.
- Door construction for vaults and the like. H. F. Baloun.
No. 1,104,765; July 28; Gaz. vol. 204; p. 1019.
- Door construction, Metal. C. H. Burbidge. No.
1,118,265; Nov. 24; Gaz. vol. 208; p. 1094.
- Door control, Exit. W. I. Resnikoff. No. 1,112,323; Sept.
29; Gaz. vol. 206; p. 1376.
- Door-controller, Fluid. E. N. Mills. No. 1,098,585; June
2; Gaz. vol. 203; p. 80.
- Door-controlling device. E. Wylde and C. Schenck. No.
1,090,370; Mar. 17; Gaz. vol. 200; p. 672.
- Door-controlling device. E. Wylde and C. Schenck. No.
1,105,053; July 28; Gaz. vol. 204; p. 1118.
- Door-controlling means. J. Gérard. No. 1,115,305; Oct.
27; Gaz. vol. 207; p. 1151.
- Door-controlling means. H. G. Voight. No. 1,083,962;
Jan. 13; Gaz. vol. 198; p. 261.
- Door-controlling means. H. G. Voight. No. 1,083,963;
Jan. 13; Gaz. vol. 198; p. 261.
- Door-controlling means. H. G. Voight. No. 1,087,075;
Feb. 10; Gaz. vol. 199; p. 563.
- Door-controlling means, Multiple-section sliding. H. G.
Voight. No. 1,085,071; Jan. 20; Gaz. vol. 198; p. 662.
- Door-controlling means, Multiple-section sliding. H. G.
Voight. No. 1,085,072; Jan. 20; Gaz. vol. 198; p. 662.
- Door-controlling means, Multiple-sliding. H. G. Voight.
No. 1,085,073; Jan. 20; Gaz. vol. 198; p. 663.
- Door-controlling means, Sliding. H. G. Voight. No.
1,083,961; Jan. 13; Gaz. vol. 198; p. 260.
- Door, Corn-crib. C. H. Bowen and D. A. Braken. No.
1,111,822; Sept. 29; Gaz. vol. 206; p. 1204.
- Door-fastener. T. C. Doredant. No. 1,111,568; Sept. 22;
Gaz. vol. 206; p. 1078.
- Door-fastener. I. F. Miley. No. 1,089,941; Mar. 10;
Gaz. vol. 200; p. 484.
- Door-fastener. F. Schmidgall. No. 1,091,592; Mar. 31;
Gaz. vol. 200; p. 1163.
- Door-fastener. S. P. Stevenson. No. 1,099,626; June 9;
Gaz. vol. 203; p. 474.
- Door-fastener. E. J. Wirfs. No. 1,100,274; June 16;
Gaz. vol. 203; p. 735.
- Door fastener, Emergency-exit. C. B. Woodard. No.
1,117,742; Nov. 17; Gaz. vol. 208; p. 875.
- Door-fastener, Safety. F. H. L. Knabe. No. 1,087,590;
Feb. 17; Gaz. vol. 199; p. 796.
- Door fastener, Sliding. R. L. Collard. No. 1,120,373;
Dec. 8; Gaz. vol. 209; p. 546.
- Door-fastening device. E. E. Hawkins. No. 1,108,168;
Aug. 25; Gaz. vol. 205; p. 1043.
- Door, Fire. F. W. Frank. No. 1,120,189; Dec. 8; Gaz.
vol. 209; p. 481.
- Door for floors and sidewalks. F. W. Leonhard. No.
1,115,554; Nov. 3; Gaz. vol. 208; p. 30.
- Door for silos. G. W. Zook. No. 1,117,744; Nov. 17; Gaz.
vol. 208; p. 876.
- Door-frame, Cast-steel. V. Willoughby. No. 1,097,959;
May 26; Gaz. vol. 202; p. 1084.
- Door frame, Silo. C. J. Lawless. No. 1,093,635; Apr.
21; Gaz. vol. 201; p. 591.
- Door-frame, Universal. W. F. Eichfeld. No. 1,110,314;
Sept. 15; Gaz. vol. 206; p. 597.
- Door, Grain. G. W. Drake. No. 1,090,695; Mar. 17; Gaz.
vol. 200; p. 785.
- Door, Grain. O. J. Miller. No. 1,086,780; Feb. 10; Gaz.
vol. 199; p. 465.
- Door, Grain. B. J. O'Neill. No. 1,109,082; Sept. 1; Gaz.
vol. 206; p. 80.
- Door, Grain. H. J. Schweitzer. No. 1,087,837; Feb. 17;
Gaz. vol. 199; p. 881.
- Door, Grain. D. L. Williams. No. 1,088,004; Feb. 24;
Gaz. vol. 199; p. 987.
- Door-guard. F. Mertsheimer. No. 1,083,904; Jan. 6;
Gaz. vol. 198; p. 208.
- Door-guiding device. R. T. Senter. No. 1,117,918; Nov.
17; Gaz. vol. 208; p. 933.
- Door-hanger. L. A. Bittorf. No. 1,104,770; July 28;
Gaz. vol. 204; p. 1021.
- Door-hanger. C. J. Clifford. No. 1,083,803; Jan. 6; Gaz.
vol. 198; p. 179.
- Door-hanger. M. Cossey. No. 1,109,202; Sept. 1; Gaz.
vol. 206; p. 123.
- Door-hanger. C. E. Gunn. No. 1,100,826; June 23; Gaz.
vol. 203; p. 977.
- Door-hanger. O. A. Heckel. No. 1,115,816; Nov. 3;
Gaz. vol. 208; p. 117.
- Door-hanger. P. L. Hoffman. No. 1,090,306; Mar. 17;
Gaz. vol. 200; p. 651.
- Door-hanger. P. L. Hoffman. No. 1,120,197; Dec. 8;
Gaz. vol. 209; p. 484.
- Door-hanger. R. Huff. No. 1,109,229; Sept. 1; Gaz. vol.
206; p. 132.
- Door-hanger. J. M. Janes. No. 1,101,445; June 23;
Gaz. vol. 203; p. 1190.
- Door-hanger. C. E. Kinnard. No. 1,110,944; Sept. 15;
Gaz. vol. 206; p. 821.
- Door-hanger. C. O. Mason. No. 1,100,438; June 16; Gaz.
vol. 203; p. 792.
- Door-hanger. R. Mueller. No. 1,106,233; Aug. 4; Gaz.
vol. 205; p. 224.
- Door-hanger. A. Perlman. No. 1,083,295; Jan. 6; Gaz.
vol. 198; p. 13.
- Door-hanger. T. V. Plice. No. 1,105,919; Aug. 4; Gaz.
vol. 205; p. 116.
- Door-hanger. J. Schlosser. No. 1,116,331; Nov. 3; Gaz.
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- Door-hanger. O. Statts. No. 1,119,465; Dec. 1; Gaz.
vol. 209; p. 194.
- Door-hanger. H. Tatje. No. 1,083,954; Jan. 13; Gaz. vol.
198; p. 258.
- Door-hanger. H. Tatje. No. 1,083,955; Jan. 13; Gaz. vol.
198; p. 258.
- Door-hanger. P. W. Thomas. No. 1,106,992; Aug. 11;
Gaz. vol. 205; p. 534.
- Door-hanger. L. T. Weiss, Jr. No. 1,085,074; Jan. 20;
Gaz. vol. 198; p. 663.
- Door-hanger. E. L. Wiley. No. 1,092,617; Apr. 7; Gaz.
vol. 201; p. 171.
- Door-hanger. C. A. Wiss. No. 1,18,721; Nov. 24; Gaz.
vol. 208; p. 1256.
- Door hanger, Barn. W. M. Kirkpatrick. No. 1,096,629;
May 12; Gaz. vol. 202; p. 531.
- Door hanger part, Barn. T. V. Plice. No. 1,105,918;
Aug. 4; Gaz. vol. 205; p. 116.
- Door hanger, Sliding. R. Schneider, Jr. No. 1,099,399;
June 9; Gaz. vol. 203; p. 397.
- Door hanger, Sliding. R. C. Williams. No. 1,085,654;
Feb. 3; Gaz. vol. 199; p. 26.
- Door-hanger support. D. E. Willard. No. 1,120,777; Dec.
15; Gaz. vol. 209; p. 737.
- Door-hanger track. G. L. McCallum. No. 1,111,661;
Sept. 22; Gaz. vol. 206; p. 1110.
- Door, Hinge. C. J. Lawless. No. 1,084,154; Jan. 13;
Gaz. vol. 198; p. 327.
- Door-holder. W. P. Blackwell. No. 1,102,859; July 7;
Gaz. vol. 204; p. 222.
- Door-holder. J. S. Burns. No. 1,095,079; Apr. 28;
Gaz. vol. 201; p. 1143.
- Door-holder. M. Fatherree, Jr. No. 1,108,894; Sept. 1;
Gaz. vol. 206; p. 11.
- Door-holder. E. Franckaerts. No. 1,100,475; June 16;
Gaz. vol. 203; p. 804.
- Door-holder. G. D. Moore. No. 1,093,457; Apr. 14; Gaz.
vol. 201; p. 490.
- Door-holder. W. F. Schmunk. No. 1,091,896; Mar. 31;
Gaz. vol. 200; p. 1270.
- Door-holder. H. P. Spain. No. 1,107,124; Aug. 11; Gaz.
vol. 205; p. 578.
- Door-holder. E. W. Woolley. No. 1,089,891; Mar. 10;
Gaz. vol. 200; p. 465.
- Door-holder and window-lock. J. W. Cox. No. 1,111,996;
Sept. 29; Gaz. vol. 206; p. 1263.
- Door holding and releasing device. H. G. Voight. No.
1,107,388; Aug. 18; Gaz. vol. 205; p. 722.
- Door-holding device. H. H. Barnett. No. 1,089,523;
Mar. 10; Gaz. vol. 200; p. 340.
- Door-holding spring. G. W. Johnson. No. 1,112,620; Oct.
6; Gaz. vol. 207; p. 75.
- Door, Hollow. J. M. Olson. No. 1,111,087; Sept. 22;
Gaz. vol. 206; p. 913.
- Door-lock. J. T. Brackin, Jr. No. 1,086,136; Feb. 3; Gaz.
vol. 199; p. 199.
- Door-lock. R. G. Carlson. No. 1,111,135; Sept. 22;
Gaz. vol. 206; p. 929.
- Door-lock. K. N. Cather. No. 1,087,080; Feb. 10; Gaz.
vol. 199; p. 565.
- Door-lock. W. J. Fleischauer and H. Richardson. No.
1,094,550; Apr. 28; Gaz. vol. 201; p. 958.
- Door-lock. M. T. Helgeson. No. 1,118,768; Nov. 24;
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- Door-lock. W. H. Hoffmann. No. 1,087,585; Feb. 17;
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- Door-lock. C. P. Howard. No. 1,099,301; June 9; Gaz. vol. 203; p. 362.
- Door-lock. F. Karácsonyi. No. 1,106,223; Aug. 4; Gaz. vol. 205; p. 222.
- Door-lock. F. Kramarczyk. No. 1,114,368; Oct. 20; Gaz. vol. 207; p. 767.
- Door-lock. E. H. O'Brien. No. 1,115,332; Oct. 27; Gaz. vol. 207; p. 1158.
- Door-lock. M. F. Richardson. No. 1,120,538; Dec. 8; Gaz. vol. 209; p. 605.
- Door-lock. A. J. Ross. No. 1,114,186; Oct. 20; Gaz. vol. 207; p. 704.
- Door-lock. R. L. Skinner. No. 1,087,193; Feb. 17; Gaz. vol. 199; p. 656.
- Door-lock. F. F. Smith. No. 1,117,457; Nov. 17; Gaz. vol. 208; p. 773.
- Door-lock. H. L. Speicher. No. 1,085,065; Jan. 20; Gaz. vol. 198; p. 660.
- Door-lock. A. Stone. No. 1,110,725; Sept. 15; Gaz. vol. 206; p. 744.
- Door-lock. F. L. Wardroper. No. 1,098,601; June 2; Gaz. vol. 203; p. 85.
- Door-lock. F. W. Wilkinson and F. Ziganek. No. 1,107,736; Aug. 18; Gaz. vol. 205; p. 846.
- Door lock and brace, Sliding-. J. K. Williams. No. 1,117,121; Nov. 10; Gaz. vol. 208; p. 615.
- Door-lock, Car-. J. Turke and B. F. Reil. No. 1,096,770; May 12; Gaz. vol. 202; p. 577.
- Door-lock, Coin-operated. E. Madison. No. 1,100,593; June 16; Gaz. vol. 203; p. 842.
- Door-lock, Electrically-controlled. G. Wright. No. 1,097,154; May 19; Gaz. vol. 202; p. 757.
- Door lock for railway-cars and similar structures, Trap-. O. M. Edwards. No. 1,113,547; Oct. 13; Gaz. vol. 207; p. 440.
- Door-lock, Pocket. C. F. Bellows. No. 1,089,688; Mar. 10; Gaz. vol. 200; p. 396.
- Door lock, Sliding-. F. Connaghan. No. 1,100,226; June 16; Gaz. vol. 203; p. 718.
- Door lock, Sliding-. P. L. Hoffman. No. 1,090,305; Mar. 17; Gaz. vol. 200; p. 650.
- Door lock, Sliding-. H. Jackson. No. 1,122,937; Dec. 29; Gaz. vol. 209; p. 1562.
- Door lock, Sliding-. A. Rosenquist. No. 1,096,759; May 12; Gaz. vol. 202; p. 575.
- Door lock, Vault-. J. Stevens. No. 1,122,550; Dec. 29; Gaz. vol. 209; p. 1426.
- Door-lock, Vehicle. W. H. Appleby. No. 1,113,529; Oct. 13; Gaz. vol. 207; p. 434.
- Door locks, Shield for railway-car vestibule-trap-. E. F. Chaffee. No. 1,115,394; Oct. 27; Gaz. vol. 207; p. 1179.
- Door-locking device, Sliding-. A. Voigt. No. 1,112,738; Oct. 6; Gaz. vol. 207; p. 116.
- Door-locking mechanism. A. Van den Plas. No. 1,094,278; Apr. 21; Gaz. vol. 201; p. 805.
- Door-locking system, Jail-. D. F. Youngblood. No. 1,095,766; May 5; Gaz. vol. 202; p. 203.
- Door-mat. J. Schumann. No. 1,089,972; Mar. 10; Gaz. vol. 200; p. 493.
- Door-mat, Metallic. L. S. Howe. No. 1,104,757; July 21; Gaz. vol. 204; p. 967.
- Door, Metal. S. G. Bolin. No. 1,104,868; July 28; Gaz. vol. 204; p. 1055.
- Door, Metallic. E. G. Budd. No. 1,084,067; Jan. 13; Gaz. vol. 198; p. 298.
- Door-opener. J. and L. Reinert. No. 1,089,963; Mar. 10; Gaz. vol. 200; p. 490.
- Door-opener, Electric. M. Guett. No. 1,121,090; Dec. 15; Gaz. vol. 209; p. 847.
- Door opening and closing mechanism. B. S. Appleton. No. 1,085,657; Feb. 3; Gaz. vol. 199; p. 27.
- Door-opening guard, Automatic. S. H. Moffitt. No. 1,098,957; June 2; Gaz. vol. 203; p. 203.
- Door operating and control device. W. S. Menden. No. 1,094,804; Apr. 28; Gaz. vol. 201; p. 1049.
- Door operating and locking device. H. G. Voight. No. 1,112,342; Sept. 29; Gaz. vol. 206; p. 1383.
- Door operating and locking device, Prison-. C. Schoenfeld. No. 1,109,364; Sept. 1; Gaz. vol. 206; p. 181.
- Door operating and locking means, Sectional sliding-. H. G. Voight. No. 1,097,606; May 19; Gaz. vol. 202; p. 913.
- Door operating and locking mechanism. L. C. Norton. No. 1,117,694; Nov. 17; Gaz. vol. 208; p. 857.
- Door-operating device. P. C. Brenner. No. 1,089,314; Mar. 3; Gaz. vol. 200; p. 218.
- Door-operating device. W. W. Core. No. 1,098,430; June 2; Gaz. vol. 203; p. 26.
- Door-operating device. A. Gottschalk. No. 1,111,959; Sept. 29; Gaz. vol. 206; p. 1251.
- Door-operating device. C. S. MacKearnin. No. 1,111,801; Sept. 29; Gaz. vol. 206; p. 1197.
- Door-operating device. W. M. Simmons. No. 1,122,317; Dec. 29; Gaz. vol. 209; p. 1348.
- Door-operating device, Hopper-. A. L. Logan. No. 1,103,523; July 14; Gaz. vol. 204; p. 497.
- Door-operating means. G. W. Bashaw, W. O. Cook, and P. C. Withrow. No. 1,095,544; May 5; Gaz. vol. 202; p. 128.
- Door-operating means. R. Lorang. No. 1,085,619; Feb. 3; Gaz. vol. 199; p. 14.
- Door-operating mechanism. G. C. Cherbonnier. No. 1,109,614; Sept. 1; Gaz. vol. 206; p. 265.
- Door-operating mechanism. W. E. Harris. No. 1,087,764; Feb. 17; Gaz. vol. 199; p. 856.
- Door-operating mechanism. W. E. Harris. No. 1,118,764; Nov. 24; Gaz. vol. 208; p. 1269.
- Door-operating mechanism. L. A. Kling. No. 1,100,578; June 16; Gaz. vol. 203; p. 838.
- Door-operating mechanism. B. F. Lively. No. 1,108,769; Aug. 25; Gaz. vol. 205; p. 1250.
- Door-operating mechanism. E. Pehrson. No. 1,087,820; Feb. 17; Gaz. vol. 199; p. 875.
- Door-operating mechanism. F. Seaberg. No. 1,094,483; Apr. 28; Gaz. vol. 201; p. 935.
- Door-operating mechanism, Automatic. R. Hope-Jones. No. 1,119,080; Dec. 1; Gaz. vol. 209; p. 64.
- Door-operating mechanism, Cell-. J. H. Van Dorn and J. T. Whitehouse. No. 1,122,443; Dec. 29; Gaz. vol. 209; p. 1388.
- Door-operating mechanism, Dump-. H. A. Bowen. No. 1,112,593; Oct. 6; Gaz. vol. 207; p. 65.
- Door-operating mechanism, Dump-. A. Campbell. No. 1,085,244; Jan. 27; Gaz. vol. 198; p. 759.
- Door-operating mechanism, Dump-. C. J. W. Clason. No. 1,098,315; May 26; Gaz. vol. 202; p. 1207.
- Door-operating mechanism, Dump-. W. J. Hosceit. No. 1,112,617; Oct. 6; Gaz. vol. 207; p. 74.
- Door, Oscillating. D. B. Bryan. No. 1,102,568; July 7; Gaz. vol. 204; p. 122.
- Door-post support. J. W. Jackson. No. 1,118,491; Nov. 24; Gaz. vol. 208; p. 1177.
- Door-pull. G. A. Sieben. No. 1,087,693; Feb. 17; Gaz. vol. 199; p. 834.
- Door-pull, Locking. T. O. Schrader. No. 1,114,296; Oct. 20; Gaz. vol. 207; p. 743.
- Door-releasing system. J. Carrigan. No. 1,111,362; Sept. 22; Gaz. vol. 206; p. 1007.
- Door safety attachment. E. Carstens. No. 1,105,252; July 28; Gaz. vol. 204; p. 1187.
- Door, Screen-. A. Patton. No. 1,121,756; Dec. 22; Gaz. vol. 209; p. 1113.
- Door-securer. E. Ellis. No. 1,086,036; Feb. 3; Gaz. vol. 199; p. 164.
- Door-securer, Removable. T. S. Leith. No. 1,100,187; June 16; Gaz. vol. 203; p. 705.
- Door-securing means. C. M. Rumbaugh. No. 1,101,884; June 30; Gaz. vol. 203; p. 1394.
- Door-securing means. C. M. Rumbaugh. No. 1,107,362; Aug. 18; Gaz. vol. 205; p. 712.
- Door, Sheet-metal. E. J. Zahner. No. 1,091,905; Mar. 31; Gaz. vol. 200; p. 1273.
- Door, Sidewalk-pavement. F. O'Brien, H. A. Beall, C. A. Crook, and O. M. Borg. No. 1,086,461; Feb. 10; Gaz. vol. 199; p. 353.
- Door, Silo-. C. E. Davidson. No. 1,117,799; Nov. 17; Gaz. vol. 208; p. 895.
- Door, Silo-. A. O. Hubbard. No. 1,090,620; Mar. 17; Gaz. vol. 200; p. 761.
- Door, Silo-. C. J. Lawless. No. 1,093,636; Apr. 21; Gaz. vol. 201; p. 591.
- Door, Sliding. F. S. Adams and W. H. Rickard. No. 1,111,634; Sept. 22; Gaz. vol. 206; p. 1101.
- Door, Sliding. W. H. Schwartz. No. 1,085,760; Feb. 3; Gaz. vol. 199; p. 65.
- Door-spring. S. Rolfson-Schmidt. No. 1,084,111; Jan. 13; Gaz. vol. 198; p. 313.
- Door-spring. F. J. Toussaint. No. 1,088,483; Feb. 24; Gaz. vol. 199; p. 1148.
- Door spring and check. R. and R. H. Adams. No. 1,101,232; June 23; Gaz. vol. 203; p. 1119.
- Door-spring winder and set. S. Paulson. No. 1,112,471; Oct. 6; Gaz. vol. 207; p. 19.
- Door-step. I. D. Smith. No. 1,119,650; Dec. 1; Gaz. vol. 209; p. 258.
- Door-stop. W. Bahney. No. 1,094,414; Apr. 28; Gaz. vol. 201; p. 910.
- Door-stop. E. Gadbois. No. 1,122,199; Dec. 22; Gaz. vol. 209; p. 1267.
- Door-stop. J. L. Lawrence. No. 1,113,358; Oct. 13; Gaz. vol. 207; p. 373.
- Door-stop. A. W. Melander. No. 1,111,485; Sept. 22; Gaz. vol. 206; p. 1049.
- Door-stop. J. L. Webb and G. W. Wiseman. No. 1,098,307; May 26; Gaz. vol. 202; p. 1204.
- Door-support. F. J. Becker. No. 1,102,855; July 7; Gaz. vol. 204; p. 221.
- Door track, Barn-. H. L. Ferris. No. 1,104,353; July 21; Gaz. vol. 204; p. 827.
- Door track, Barn-. W. F. Jacobs. No. 1,090,540; Mar. 17; Gaz. vol. 200; p. 732.
- Door track, Barn-. W. F. Jacobs. No. 1,090,541; Mar. 17; Gaz. vol. 200; p. 733.
- Door, Ventilated. F. M. Shelton. No. 1,107,369; Aug. 18; Gaz. vol. 205; p. 715.
- Door weather-guard. C. D. Tabor. No. 1,110,242; Sept. 8; Gaz. vol. 206; p. 532.
- Door winding-shafts, Operating mechanism for dump-. R. G. Taylor. No. 1,104,393; July 21; Gaz. vol. 204; p. 840.
- Door with closing devices and packings, Revolving. W. S. Ely. No. 1,084,204; Jan. 13; Gaz. vol. 198; p. 345.

Alphabetical list of inventions—Continued.

- Doors and gates, Adjustable stay for. M. A. Christenson. No. 1,088,125; Feb. 24; Gaz. vol. 199; p. 1028.
- Doors and like movable structures, Controller for. D. J. Hurley. No. 1,113,997; Oct. 20; Gaz. vol. 207; p. 635.
- Doors and operating mechanism therefor, Hinged. H. Rowntree. No. 1,088,936; Mar. 3; Gaz. vol. 200; p. 91.
- Doors and the like, Fastening means for. F. W. Becker. No. 1,118,260; Nov. 24; Gaz. vol. 208; p. 1092.
- Doors and the like, Metallic structure, such as. H. F. Parish. No. 1,086,934; Feb. 10; Gaz. vol. 199; p. 518.
- Doors and windows, Locking mechanism for double. C. J. Hagstrom. No. 1,094,143; Apr. 21; Gaz. vol. 201; p. 760.
- Doors, Antirattler for. C. T. Schroyer. No. 1,116,744; Nov. 10; Gaz. vol. 208; p. 483.
- Doors, Apparatus for working water-tight. W. E. Armstrong. No. 1,101,676; June 30; Gaz. vol. 203; p. 1322.
- Doors, Clamping device for sliding. H. and J. Dommer. No. 1,117,643; Nov. 17; Gaz. vol. 208; p. 839.
- Doors, Construction of sheet-metal. M. Lachman. No. 1,109,233; Sept. 1; Gaz. vol. 206; p. 134.
- Doors, Controlling and locking means for sectional sliding. H. G. Voight. No. 1,083,960; Jan. 13; Gaz. vol. 198; p. 260.
- Doors, Counterbalance for. G. N. Cole. No. 1,109,823; Sept. 8; Gaz. vol. 206; p. 381.
- Doors, cupboards, and the like at predetermined times, Device for the automatic closing and opening of. W. Lemuth. No. 1,118,660; Nov. 24; Gaz. vol. 208; p. 1235.
- Doors, Fluid-pressure system for operating bulkhead. F. J. Pike and H. Neville. No. 1,095,593; May 5; Gaz. vol. 202; p. 143.
- Doors, &c., Friction device for. C. T. Ashman. No. 1,108,663; Aug. 25; Gaz. vol. 205; p. 1216.
- Doors, gates, &c., Apparatus for opening and closing. F. D. Brown and J. H. Werling. No. 1,110,878; Sept. 15; Gaz. vol. 206; p. 798.
- Doors in multiple with control. R. A. Gally. No. 1,106,041; Aug. 4; Gaz. vol. 205; p. 160.
- Doors, Mounting for sliding. G. B. Kurtzon and R. J. Fable. No. 1,120,063; Dec. 8; Gaz. vol. 209; p. 436.
- Doors, Transfer means for. J. E. Matthews. No. 1,098,516; June 2; Gaz. vol. 203; p. 56.
- Doors, windows, &c., Device for automatically holding. P. Dobler. No. 1,098,894; June 2; Gaz. vol. 203; p. 183.
- Doorway, Device for shifting articles through a narrow. R. H. Anderson. No. 1,086,744; Feb. 10; Gaz. vol. 199; p. 452.
- Dormer. C. Yauch. No. 1,103,461; July 14; Gaz. vol. 204; p. 476.
- Dose-indicator. I. P. Berthrong. No. 1,091,114; Mar. 24; Gaz. vol. 200; p. 960.
- Doubletree. M. Buck. No. 1,084,841; Jan. 20; Gaz. vol. 198; p. 586.
- Doubletree. W. H. Crossley. No. 1,106,549; Aug. 11; Gaz. vol. 205; p. 381.
- Doubletree. O. Towner. No. 1,101,975; June 30; Gaz. vol. 203; p. 1426.
- Doubletree-brake. C. E. Cole. No. 1,113,755; Oct. 13; Gaz. vol. 207; p. 512.
- Doubletree, Spring-. R. N. Dike. No. 1,088,014; Feb. 24; Gaz. vol. 199; p. 991.
- Dough and other plastic material, Apparatus for dividing and molding. J. and H. L. Callow. No. 1,088,532; Feb. 24; Gaz. vol. 199; p. 1164.
- Dough and the like working machine. O. Teichmann. No. 1,096,810; May 12; Gaz. vol. 202; p. 593.
- Dough-apportioning machine. V. Guidugli. No. 1,116,057; Nov. 3; Gaz. vol. 208; p. 202.
- Dough-beating machine. F. H. Van Houten. No. 1,122,670; Dec. 29; Gaz. vol. 209; p. 1470.
- Dough-board. C. Justice. No. 1,093,431; Apr. 14; Gaz. vol. 201; p. 482.
- Dough-cutter. I. L. Haines. No. 1,088,070; Feb. 24; Gaz. vol. 199; p. 1009.
- Dough-cutting machine, Pan-skip mechanism for. H. Staffel. No. 1,111,549; Sept. 22; Gaz. vol. 206; p. 1071.
- Dough dividing and shaping machine. R. Engel. No. 1,122,888; Dec. 29; Gaz. vol. 209; p. 1546.
- Dough-dividing machine. J. M. Bierer. No. 1,098,552; June 2; Gaz. vol. 203; p. 69.
- Dough-handing machine. R. J. F. and A. E. Aldred. No. 1,087,564; Feb. 17; Gaz. vol. 199; p. 787.
- Dough-handling machinery. F. H. Van Houten. No. 1,119,204; Dec. 1; Gaz. vol. 209; p. 106.
- Dough-handling machinery. F. H. Van Houten. No. 1,119,205; Dec. 1; Gaz. vol. 209; p. 107.
- Dough mixing and kneading apparatus. P. Link. No. 1,105,148; July 28; Gaz. vol. 204; p. 1150.
- Dough-molding machine. M. Hayman. No. 1,101,074; June 23; Gaz. vol. 203; p. 1064.
- Dough, Molding or shaping. G. S. and G. R. Baker. No. 1,109,895; Sept. 8; Gaz. vol. 206; p. 408.
- Dough or like plastic substances, Machine for cutting. G. S. Baker. No. 1,092,817; Apr. 14; Gaz. vol. 201; p. 273.
- Dough or other plastic material, Machine for dividing and forming. F. Kübtz. No. 1,101,857; June 30; Gaz. vol. 203; p. 1384.
- Dough preparatory to baking, Apparatus for treating. G. S. Baker. No. 1,109,894; Sept. 8; Gaz. vol. 206; p. 407.
- Dough-raiser. E. J. B. Coupel. No. 1,103,268; July 14; Gaz. vol. 204; p. 412.
- Dough-raising machine. F. G. Bird. No. 1,092,089; Mar. 31; Gaz. vol. 200; p. 1334.
- Dough roller and cutter, Combination. F. L. Thompson. No. 1,100,853; June 23; Gaz. vol. 203; p. 986.
- Dough-rolling machine. W. T. Barker. No. 1,094,966; Apr. 28; Gaz. vol. 201; p. 1106.
- Dough-shaping appliance. T. H. Williams. No. 1,111,631; Sept. 22; Gaz. vol. 206; p. 1100.
- Dough-transferring device. C. Frelhofer. No. 1,092,034; Mar. 31; Gaz. vol. 200; p. 1314.
- Dovetail joint and forming the same. O. C. Wysong. No. 1,122,350; Dec. 29; Gaz. vol. 209; p. 1358.
- Dovetailing-machine. C. A. Raulf. No. 1,087,460; Feb. 17; Gaz. vol. 199; p. 752.
- Dovetailing-machine. O. C. Wysong. No. 1,121,706; Dec. 22; Gaz. vol. 209; p. 1096.
- Dowel gluing and driving machine. E. J. Bell. No. 1,122,569; Dec. 29; Gaz. vol. 209; p. 1432.
- Dowel guide and holder. R. Moe. No. 1,085,464; Jan. 27; Gaz. vol. 198; p. 834.
- Dowel-machine. H. A. Russell. No. 1,088,372; Feb. 24; Gaz. vol. 199; p. 1112.
- Doweling device. E. J. Wolgamood. No. 1,097,153; May 19; Gaz. vol. 202; p. 757.
- Draft and center sill connection. P. M. Beard. No. 1,109,610; Sept. 1; Gaz. vol. 206; p. 264.
- Draft apparatus, Induction. A. Fischer. No. 1,089,827; Mar. 10; Gaz. vol. 200; p. 443.
- Draft appliance. J. A. Buchanan. (Reissue.) No. 1,3733; May 26; Gaz. vol. 202; p. 1225.
- Draft appliance. J. E. T. Dickinson. No. 1,110,381; Sept. 15; Gaz. vol. 206; p. 622.
- Draft appliance. J. H. Smith. No. 1,087,842; Feb. 17; Gaz. vol. 199; p. 883.
- Draft appliance. F. B. Wolford. No. 1,116,527; Nov. 10; Gaz. vol. 208; p. 404.
- Draft appliance. J. M. Wright and C. M. East. No. 1,088,196; Feb. 24; Gaz. vol. 199; p. 1053.
- Draft appliance for farming implements. A. Otto, Jr. No. 1,091,587; Mar. 31; Gaz. vol. 200; p. 1161.
- Draft-arm. C. J. Nash. No. 1,122,530; Dec. 29; Gaz. vol. 209; p. 1420.
- Draft attachment. O. Johnson. No. 1,099,604; June 9; Gaz. vol. 203; p. 467.
- Draft attachment. F. J. Rost. No. 1,098,643; June 2; Gaz. vol. 203; p. 99.
- Draft attachment. J. Stewart. No. 1,087,405; Feb. 17; Gaz. vol. 199; p. 731.
- Draft attachment, Spring. J. W. Hartley. No. 1,084,699; Jan. 20; Gaz. vol. 198; p. 539.
- Draft connection. C. S. Sharp. No. 1,109,875; Sept. 8; Gaz. vol. 206; p. 400.
- Draft-controlling throttle means. H. C. Shute. No. 1,117,263; Nov. 17; Gaz. vol. 208; p. 705.
- Draft-deflector. C. Fischer. No. 1,088,139; Feb. 24; Gaz. vol. 199; p. 1034.
- Draft device. C. H. Melvin. No. 1,085,148; Jan. 27; Gaz. vol. 198; p. 726.
- Draft device. J. R. and G. Mitchell. No. 1,118,211; Nov. 24; Gaz. vol. 208; p. 1076.
- Draft device. C. A. Myers. No. 1,092,077; Mar. 31; Gaz. vol. 200; p. 1329.
- Draft device and spark-arrester. J. J. Sullivan. No. 1,105,466; July 28; Gaz. vol. 204; p. 1265.
- Draft-equalizer. W. M. Adair. No. 1,115,460; Oct. 27; Gaz. vol. 207; p. 1202.
- Draft-equalizer. F. H. Alber. No. 1,110,279; Sept. 8; Gaz. vol. 206; p. 546.
- Draft-equalizer. F. C. Bertke. No. 1,121,323; Dec. 15; Gaz. vol. 209; p. 927.
- Draft-equalizer. W. L. Dailey. No. 1,100,123; June 16; Gaz. vol. 203; p. 682.
- Draft-equalizer. T. J. Dudley. No. 1,109,908; Sept. 8; Gaz. vol. 206; p. 413.
- Draft-equalizer. N. W. Finch. No. 1,107,277; Aug. 18; Gaz. vol. 205; p. 682.
- Draft-equalizer. J. Gross. No. 1,120,711; Dec. 15; Gaz. vol. 209; p. 713.
- Draft-equalizer. J. F. Jennings. No. 1,091,846; Mar. 31; Gaz. vol. 200; p. 1253.
- Draft-equalizer. J. H. Karloff. No. 1,088,662; Feb. 24; Gaz. vol. 199; p. 1206.
- Draft-equalizer. J. L. Klages. No. 1,122,949; Dec. 29; Gaz. vol. 209; p. 1566.
- Draft-equalizer. A. Lange. No. 1,095,894; May 5; Gaz. vol. 202; p. 245.
- Draft-equalizer. J. Miller. No. 1,088,715; Mar. 3; Gaz. vol. 200; p. 15.
- Draft-equalizer. N. P. B. Nelson. No. 1,118,911; Nov. 24; Gaz. vol. 208; p. 1318.
- Draft-equalizer. H. Petersen. No. 1,099,203; June 9; Gaz. vol. 203; p. 328.
- Draft-equalizer. H. Petersen. No. 1,099,204; June 9; Gaz. vol. 203; p. 329.
- Draft-equalizer. V. J. Tichota. No. 1,093,087; Apr. 14; Gaz. vol. 201; p. 365.

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- Draft-equalizer. V. J. and A. Tichota. No. 1,096,140; May 12; Gaz. vol. 202; p. 365.
- Draft-equalizer for tubular boilers. T. J. Kennedy. No. 1,105,798; Aug. 4; Gaz. vol. 205; p. 74.
- Draft-gear. P. M. Beard. No. 1,123,069; Dec. 29; Gaz. vol. 209; p. 1610.
- Draft-gear. L. T. Canfield. No. 1,112,767; Oct. 6; Gaz. vol. 207; p. 126.
- Draft-gear. W. E. Coffin. No. 1,105,063; July 28; Gaz. vol. 204; p. 1122.
- Draft-gear. J. F. Courson. No. 1,089,908; Mar. 10; Gaz. vol. 200; p. 471.
- Draft-gear. J. F. Courson. No. 1,095,818; May 5; Gaz. vol. 202; p. 220.
- Draft-gear. J. F. Courson. No. 1,105,185; July 28; Gaz. vol. 204; p. 1163.
- Draft-gear. J. F. Courson. No. 1,121,482; Dec. 15; Gaz. vol. 209; p. 982.
- Draft-gear. W. D. Forsyth. No. 1,083,391; Jan. 6; Gaz. vol. 198; p. 44.
- Draft-gear. R. E. Frame. No. 1,093,392; Apr. 14; Gaz. vol. 201; p. 471.
- Draft-gear. H. C. Priebe. No. 1,108,231; Aug. 25; Gaz. vol. 205; p. 1066.
- Draft-gear. T. H. Symington. No. 1,097,738; May 26; Gaz. vol. 202; p. 1004.
- Draft-gear. T. H. Symington. No. 1,115,747; Nov. 3; Gaz. vol. 208; p. 95.
- Draft-gear. G. Westinghouse. No. 1,120,005; Dec. 8; Gaz. vol. 209; p. 416.
- Draft-gear. V. Willoughby. No. 1,122,454; Dec. 29; Gaz. vol. 209; p. 1393.
- Draft-gear. I. O. Wright. No. 1,115,760; Nov. 3; Gaz. vol. 208; p. 99.
- Draft-gear. V. Wroclawski and M. Kolasinski. No. 1,107,396; Aug. 18; Gaz. vol. 205; p. 724.
- Draft-gear attachment or coupling-yoke. A. E. Ostrander. No. 1,122,412; Dec. 29; Gaz. vol. 209; p. 1378.
- Draft-gear chafing device. H. F. Ball. No. 1,121,060; Dec. 15; Gaz. vol. 209; p. 836.
- Draft-gear cheek-plate. T. H. Symington. No. 1,097,740; May 26; Gaz. vol. 202; p. 1005.
- Draft-gear spring-retaining plate. C. J. Nash. No. 1,121,278; Dec. 15; Gaz. vol. 209; p. 911.
- Draft-gear, Twin. C. C. Farmer. No. 1,107,275; Aug. 18; Gaz. vol. 205; p. 682.
- Draft-generator. D. H. Butler. No. 1,121,471; Dec. 15; Gaz. vol. 209; p. 978.
- Draft-hook. H. M. Babb. No. 1,118,618; Nov. 24; Gaz. vol. 208; p. 1221.
- Draft-link. T. H. Symington. No. 1,097,739; May 26; Gaz. vol. 202; p. 1005.
- Draft-pole. C. H. Parker. No. 1,100,609; June 16; Gaz. vol. 203; p. 847.
- Draft-producing device. J. Trotter. No. 1,111,775; Sept. 29; Gaz. vol. 206; p. 1187.
- Draft-regulating device. G. E. Baker. No. 1,116,534; Nov. 10; Gaz. vol. 208; p. 407.
- Draft-regulating device. F. M. Davidson. No. 1,123,108; Dec. 29; Gaz. vol. 209; p. 1623.
- Draft-regulator. A. H. Marhenke. No. 1,103,149; July 14; Gaz. vol. 204; p. 371.
- Draft-regulator. A. J. Marschall. No. 1,109,852; Sept. 8; Gaz. vol. 206; p. 392.
- Draft-regulator. A. W. Walker. No. 1,106,904; Aug. 11; Gaz. vol. 205; p. 505.
- Draft-regulator, Automatic. R. P. Mercer. No. 1,114,788; Oct. 27; Gaz. vol. 207; p. 967.
- Draft-rigging. H. Henderson. No. 1,105,326; July 28; Gaz. vol. 204; p. 1215.
- Draft-rigging. C. J. Nash. No. 1,109,005; Sept. 1; Gaz. vol. 206; p. 53.
- Draft-rigging. E. H. Schmidt. No. 1,104,554; July 21; Gaz. vol. 204; p. 899.
- Draft-rigging, Draw-bar yoke and draw-bar-yoke connection for. C. J. Nash. No. 1,086,073; Feb. 3; Gaz. vol. 199; p. 178.
- Draft-rigging, Friction. C. K. Brooks. No. 1,121,970; Dec. 22; Gaz. vol. 209; p. 1190.
- Draft-rigging, Friction. S. B. Haseltine. No. 1,093,778; Apr. 21; Gaz. vol. 201; p. 638.
- Draft-rigging, Long-travel. G. L. Harvey. No. 1,119,156; Dec. 1; Gaz. vol. 209; p. 89.
- Draft-rigging, Tandem-spring. J. F. O'Connor. No. 1,086,553; Feb. 10; Gaz. vol. 199; p. 385.
- Draft, &c., sheet, Collection-. H. L. Price. No. 1,104,310; July 21; Gaz. vol. 204; p. 811.
- Drafting and plotting instrument. H. Howard. No. 1,090,064; Mar. 10; Gaz. vol. 200; p. 525.
- Drafting apparatus. J. E. Nelson. No. 1,109,864; Sept. 8; Gaz. vol. 206; p. 397.
- Drafting appliance. W. Jacobsen. No. 1,092,107; Mar. 31; Gaz. vol. 200; p. 1340.
- Drafting appliance, Perspective. D. A. Ogilvie. No. 1,122,533; Dec. 29; Gaz. vol. 209; p. 1420.
- Drafting instrument. L. B. Anderson. No. 1,098,210; May 26; Gaz. vol. 202; p. 1169.
- Drafting instrument. J. H. Blair. No. 1,113,404; Oct. 13; Gaz. vol. 207; p. 389.
- Drafting instrument. J. H. Clark. No. 1,112,264; Sept. 29; Gaz. vol. 206; p. 1356.
- Drafting instrument. W. G. Classon. No. 1,086,440; Feb. 10; Gaz. vol. 199; p. 345.
- Drafting instrument. J. F. Collins. No. 1,109,322; Sept. 1; Gaz. vol. 206; p. 165.
- Drafting instrument. P. J. Ostringer. No. 1,111,174; Sept. 22; Gaz. vol. 206; p. 943.
- Draftsman's device. G. B. Williams. No. 1,094,041; Apr. 21; Gaz. vol. 201; p. 726.
- Drag. F. V. Stinson. No. 1,104,154; July 21; Gaz. vol. 204; p. 758.
- Drag and grader, Road. B. Whittemore. No. 1,093,814; Apr. 21; Gaz. vol. 201; p. 651.
- Drag attachment. J. A. Janus. No. 1,085,737; Feb. 3; Gaz. vol. 199; p. 56.
- Drag-box. E. B. Stone. No. 1,112,943; Oct. 6; Gaz. vol. 207; p. 185.
- Drag, Flexible road-. O. C. Luther. No. 1,116,306; Nov. 3; Gaz. vol. 208; p. 285.
- Drag rake or fork. J. J. Cruden. No. 1,092,693; Apr. 7; Gaz. vol. 201; p. 195.
- Drag, Road-. D. W. Anderson. No. 1,086,501; Feb. 10; Gaz. vol. 199; p. 367.
- Drag, Road-. T. Y. Boyd. No. 1,108,126; Aug. 25; Gaz. vol. 205; p. 1029.
- Drag, Road-. P. C. Dowell. No. 1,094,313; Apr. 21; Gaz. vol. 201; p. 816.
- Drag, Road-. C. W. Faris. No. 1,102,189; June 30; Gaz. vol. 203; p. 1503.
- Drag, Road-. J. J. Fitzgerald. No. 1,100,821; June 23; Gaz. vol. 203; p. 975.
- Drag, Road-. S. E. Hughes. No. 1,111,900; Sept. 29; Gaz. vol. 206; p. 1234.
- Drag, Road-. O. C. Luther. No. 1,116,305; Nov. 3; Gaz. vol. 208; p. 285.
- Drain and hopper, Combined floor-. G. J. Dehn. No. 1,109,740; Sept. 8; Gaz. vol. 206; p. 353.
- Drain, Backwater cellar-. J. P. Farley. No. 1,088,066; Feb. 24; Gaz. vol. 199; p. 1008.
- Drain connection. W. J. Kohler. No. 1,092,579; Apr. 7; Gaz. vol. 201; p. 157.
- Drain for liquid-containing receptacles. H. A. Hendrix. No. 1,117,570; Nov. 17; Gaz. vol. 208; p. 812.
- Drain-pipe. L. C. Erbes. No. 1,096,230; May 12; Gaz. vol. 202; p. 395.
- Drain-pipe. J. G. Hayes. No. 1,114,881; Oct. 27; Gaz. vol. 207; p. 1000.
- Drain-pipe, Curb. C. H. Bullen. No. 1,101,399; June 23; Gaz. vol. 203; p. 1175.
- Drain-pipe trap, Refrigerator-. T. P. Bolger. No. 1,107,884; Aug. 18; Gaz. vol. 205; p. 897.
- Drains and the like, Indicating device for. J. H. Woodington and E. H. Coles. No. 1,090,669; Mar. 17; Gaz. vol. 200; p. 777.
- Drainage-tube. H. E. Hughes. No. 1,103,967; July 21; Gaz. vol. 204; p. 695.
- Drainer, Automatic cellar-. A. R. Pribil. No. 1,116,481; Nov. 10; Gaz. vol. 208; p. 387.
- Drainer, Clothes-. J. E. Merritt. No. 1,103,804; July 14; Gaz. vol. 204; p. 598.
- Drainer, Dish-. P. Zarella. No. 1,114,220; Oct. 20; Gaz. vol. 207; p. 716.
- Drainer, steamer, roaster, or baking-pan, Combined dish-. F. B. Beam. No. 1,103,169; July 14; Gaz. vol. 204; p. 378.
- Dramatic production, Composite. H. Knight. No. 1,102,595; July 7; Gaz. vol. 204; p. 131.
- Draper. J. A. Bartosz. No. 1,094,191; Apr. 21; Gaz. vol. 201; p. 778.
- Drapery support and form. M. Jantzen. No. 1,087,771; Feb. 17; Gaz. vol. 199; p. 859.
- Draw-bar and yoke connection. G. M. Wilcoxson. No. 1,123,053; Dec. 29; Gaz. vol. 209; p. 1604.
- Draw-bar protector. F. F. Gottschall. No. 1,116,413; Nov. 10; Gaz. vol. 208; p. 363.
- Draw-gear and buffing apparatus. J. F. Miller. No. 1,119,854; Dec. 8; Gaz. vol. 209; p. 363.
- Draw-string. B. Clark. No. 1,091,294; Mar. 24; Gaz. vol. 200; p. 1020.
- Draw-string. B. Clark. No. 1,118,741; Nov. 24; Gaz. vol. 208; p. 1263.
- Drawbridge. C. A. P. Turner. No. 1,106,259; Aug. 4; Gaz. vol. 205; p. 233.
- Drawer and support. A. W. Rogman. No. 1,112,562; Oct. 6; Gaz. vol. 207; p. 53.
- Drawer, Cabinet-. D. E. Kurtz. No. 1,092,270; Apr. 7; Gaz. vol. 201; p. 50.
- Drawer construction for tables or the like. L. C. Umphrey and J. F. McCloud. No. 1,112,733; Oct. 6; Gaz. vol. 207; p. 115.
- Drawer for filing-cases and similar structures. H. O. Amundson. No. 1,088,864; Mar. 3; Gaz. vol. 200; p. 65.
- Drawer, Furniture-. A. T. Weiss. No. 1,095,363; May 5; Gaz. vol. 202; p. 65.
- Drawer-guide. R. H. Kroos. No. 1,111,026; Sept. 22; Gaz. vol. 206; p. 891.
- Drawer-guide. E. F. Pooley. No. 1,091,079; Mar. 24; Gaz. vol. 200; p. 947.
- Drawer-guide. I. Wagemaker. No. 1,089,514; Mar. 10; Gaz. vol. 200; p. 336.
- Drawer-lock. J. W. Jordan, Jr. No. 1,092,651; Apr. 7; Gaz. vol. 201; p. 183.

Alphabetical list of inventions—Continued.

- Drawer-locking mechanism for desks, &c. E. Tedeschi. No. 1,099,522; June 9; Gaz. vol. 203; p. 438.
- Drawer-stops to furniture, Tool for securing. V. C. Luppert. No. 1,094,079; Apr. 21; Gaz. vol. 201; p. 740.
- Drawer-support. H. F. Bishop. No. 1,095,619; May 5; Gaz. vol. 202; p. 152.
- Drawer-support. P. H. Yawman. No. 1,109,812; Sept. 8; Gaz. vol. 206; p. 377.
- Drawer, Table-. L. W. Pennock. No. 1,108,082; Aug. 18; Gaz. vol. 205; p. 966.
- Drawers, Combination catamenial. J. G. Rovira. No. 1,112,162; Sept. 29; Gaz. vol. 206; p. 1319.
- Drawers, Compressor for filing-. R. G. Bullock. No. 1,112,357; Sept. 29; Gaz. vol. 206; p. 1387.
- Drawers, Woman's curtain-. M. M. Prindall. No. 1,102,800; July 7; Gaz. vol. 204; p. 202.
- Drawing appliance. L. Binko. No. 1,102,974; July 7; Gaz. vol. 204; p. 260.
- Drawing-board stand. A. Johnson. No. 1,088,153; Feb. 24; Gaz. vol. 199; p. 1039.
- Drawing-board structure. C. B. Ulrich. No. 1,113,263; Oct. 13; Gaz. vol. 207; p. 339.
- Drawing-frame. A. L. Willey and A. C. Mason. No. 1,090,586; Mar. 17; Gaz. vol. 200; p. 749.
- Drawing glass. R. L. Frink. No. 1,119,006; Dec. 1; Gaz. vol. 209; p. 36.
- Drawing glass, Method of and apparatus for. R. L. Frink. No. 1,119,007; Dec. 1; Gaz. vol. 209; p. 37.
- Drawing implement. N. A. Mantz. No. 1,107,432; Aug. 18; Gaz. vol. 205; p. 739.
- Drawing instrument. J. W. Bramwell. No. 1,116,231; Nov. 3; Gaz. vol. 208; p. 261.
- Drawing instrument, Combination. P. Neukirchen. No. 1,099,567; June 9; Gaz. vol. 203; p. 455.
- Drawing instrument, Involuting. O. E. McCaskill. No. 1,106,883; Aug. 11; Gaz. vol. 205; p. 497.
- Drawing-machine. T. M. Larsen. No. 1,088,910; Mar. 3; Gaz. vol. 200; p. 80.
- Drawing-press. L. Anderfuhren. No. 1,095,769; May 5; Gaz. vol. 202; p. 204.
- Drawing-press. H. J. Hinde, F. Orton, and B. J. Lindgren. No. 1,089,558; Mar. 10; Gaz. vol. 200; p. 350.
- Drawing-press. W. H. Welch. No. 1,111,000; Sept. 15; Gaz. vol. 206; p. 838.
- Drawing-roll. E. Kempshall. No. 1,092,775; Apr. 7; Gaz. vol. 201; p. 223.
- Drawing-roll for drawing and evening machines. P. McHale. No. 1,091,366; Mar. 24; Gaz. vol. 200; p. 1043.
- Drawing sharp edges on metallic bodies, Device for. C. O. Halling. No. 1,090,848; Mar. 24; Gaz. vol. 200; p. 866.
- Drawing-stand. W. J. Brooks. No. 1,114,677; Oct. 20; Gaz. vol. 207; p. 874.
- Drawing-support. W. Allen. No. 1,091,999; Mar. 31; Gaz. vol. 200; p. 1304.
- Drawings, Support for. R. H. Smith. No. 1,085,999; Feb. 3; Gaz. vol. 199; p. 150.
- Dredge. J. F. Craig. No. 1,104,248; July 21; Gaz. vol. 204; p. 790.
- Dredge. H. R. Lytle. No. 1,118,565; Nov. 24; Gaz. vol. 208; p. 1202.
- Dredge, Dipper-. G. H. Lutz. No. 1,088,031; Feb. 24; Gaz. vol. 199; p. 996.
- Dredges and the like, Recording apparatus for. U. Thompson, Jr. No. 1,097,378; May 19; Gaz. vol. 202; p. 835.
- Dredges, Floating discharge-pipe for hydraulic. A. W. Robinson. No. 1,104,275; July 21; Gaz. vol. 204; p. 799.
- Dredger cutter, Suction-. O. Frühling. No. 1,106,038; Aug. 4; Gaz. vol. 205; p. 159.
- Dredger, Enameling-. L. Lipp. No. 1,103,423; July 14; Gaz. vol. 204; p. 463.
- Dredging apparatus, Submarine. S. Lake. No. 1,097,722; May 26; Gaz. vol. 202; p. 998.
- Dredging device. J. R. Voorhees. No. 1,095,303; May 5; Gaz. vol. 202; p. 44.
- Dress. L. Guyette. No. 1,083,611; Jan. 6; Gaz. vol. 198; p. 117.
- Dress. E. Stern. No. 1,098,596; June 2; Gaz. vol. 203; p. 83.
- Dress. D. Zavodnik. No. 1,114,954; Oct. 27; Gaz. vol. 207; p. 1027.
- Dress-article protector. N. Herzberg. No. 1,083,491; Jan. 6; Gaz. vol. 198; p. 77.
- Dress, Lady's. A. Malsin. No. 1,119,297; Dec. 1; Gaz. vol. 209; p. 136.
- Dress, Lady's house-. M. Alshuler. No. 1,102,973; July 7; Gaz. vol. 204; p. 260.
- Dress-shield. E. M. Brennan. No. 1,108,427; Aug. 25; Gaz. vol. 205; p. 1133.
- Dress-shield. J. C. Flade. No. 1,095,721; May 5; Gaz. vol. 202; p. 187.
- Dress-shield. B. Z. Hausner. No. 1,122,113; Dec. 22; Gaz. vol. 209; p. 1238.
- Dress-veight. J. W. Christy. No. 1,097,705; May 26; Gaz. vol. 202; p. 992.
- Dress, Woman's reversible and adjustable house-. W. C. P. Baldwin. No. 1,112,248; Sept. 29; Gaz. vol. 206; p. 1351.
- Dressing for wounds and the like. L. J. Riley. No. 1,120,085; Dec. 8; Gaz. vol. 209; p. 443.
- Dressing-room, Sanitary portable. S. and M. E. Lazarus. No. 1,100,310; June 16; Gaz. vol. 203; p. 748.
- Drier. See Automatic drier; Centrifugal drier; Clothes-drier; Film-drier; Fruit-drier; Grain-drier; Hair-drier; Leather-drier; Mechanical drier; Photo-negative drier; Photographic-print drier; Pneumatic drier; Print-drier; Rotary drier; Stocking-drier.
- Drier. S. W. Bonsall. No. 1,115,051; Oct. 27; Gaz. vol. 207; p. 1061.
- Drier. A. Di Dementia and A. Amicarelli. No. 1,086,903; Feb. 10; Gaz. vol. 199; p. 507.
- Drier. J. C. Fleming. No. 1,099,122; June 2; Gaz. vol. 203; p. 255.
- Drier. F. K. Hoover and A. J. Mason. No. 1,085,126; Jan. 27; Gaz. vol. 198; p. 718.
- Drier. G. T. Hume. No. 1,121,186; Dec. 15; Gaz. vol. 209; p. 881.
- Drier. W. B. Ruggles. No. 1,105,927; Aug. 4; Gaz. vol. 205; p. 119.
- Drier. T. C. Schuyler. No. 1,086,092; Feb. 3; Gaz. vol. 199; p. 184.
- Drier. H. Willson. No. 1,087,478; Feb. 17; Gaz. vol. 199; p. 758.
- Dry battery. J. A. E. Achenbach. No. 1,090,372; Mar. 17; Gaz. vol. 200; p. 673.
- Dry battery and manufacturing the same. H. Utard and J. Smith. No. 1,102,458; July 7; Gaz. vol. 204; p. 83.
- Dry cell. J. E. Runner and W. A. Pfisterer. No. 1,112,480; Oct. 6; Gaz. vol. 207; p. 23.
- Dry cell. W. G. Waite. No. 1,115,458; Oct. 27; Gaz. vol. 207; p. 1201.
- Dry-cell battery. W. Broad. No. 1,086,437; Feb. 10; Gaz. vol. 199; p. 344.
- Dry-cell battery. C. W. Simmons. No. 1,087,612; Feb. 17; Gaz. vol. 199; p. 804.
- Dry closet. W. J. W. Byers. No. 1,103,260; July 14; Gaz. vol. 204; p. 409.
- Dry closet. G. A. Coppedge. No. 1,119,574; Dec. 1; Gaz. vol. 209; p. 233.
- Dry closet, Sanitary. J. D. Falks. No. 1,098,029; May 26; Gaz. vol. 202; p. 1108.
- Dry deflocculated body and preparing same. C. P. Townsend. No. 1,116,957; Nov. 10; Gaz. vol. 208; p. 558.
- Dry-kiln. J. S. Burch. No. 1,095,187; May 5; Gaz. vol. 202; p. 5.
- Dry-kiln. W. E. Farrell. No. 1,083,814; Jan. 6; Gaz. vol. 198; p. 183.
- Dry-kiln. G. F. Moranz. No. 1,103,608; July 14; Gaz. vol. 204; p. 529.
- Dry-kiln for lumber, &c. J. M. Leaver. No. 1,108,377; Aug. 25; Gaz. vol. 205; p. 1116.
- Drying apparatus. J. C. Breuer. No. 1,084,783; Jan. 20; Gaz. vol. 198; p. 567.
- Drying apparatus. C. Castronuovo. No. 1,088,536; Feb. 24; Gaz. vol. 199; p. 1165.
- Drying apparatus. E. Feuillette. No. 1,108,565; Aug. 25; Gaz. vol. 205; p. 1182.
- Drying apparatus. C. Grau. No. 1,107,294; Aug. 18; Gaz. vol. 205; p. 687.
- Drying apparatus. J. E. Hobbs. No. 1,102,662; July 7; Gaz. vol. 204; p. 155.
- Drying apparatus. W. E. Prindle. No. 1,085,939; Feb. 3; Gaz. vol. 199; p. 128.
- Drying apparatus. E. B. Stone. No. 1,117,720; Nov. 17; Gaz. vol. 208; p. 867.
- Drying apparatus. C. A. Wenborne. No. 1,087,563; Feb. 17; Gaz. vol. 199; p. 787.
- Drying apparatus. M. R. Wild and E. O. Ehrenberg. No. 1,085,230; Jan. 27; Gaz. vol. 198; p. 754.
- Drying apparatus. F. Zorn. No. 1,120,879; Dec. 15; Gaz. vol. 209; p. 773.
- Drying apparatus. Electric. W. K. Mason. No. 1,107,814; Aug. 18; Gaz. vol. 205; p. 873.
- Drying apparatus, Fabric-. A. T. Metcalf and H. V. Nunn. No. 1,090,934; Mar. 24; Gaz. vol. 200; p. 897.
- Drying apparatus, Vacuum. A. Ravautte. No. 1,100,028; June 16; Gaz. vol. 203; p. 649.
- Drying by compressed air, Apparatus for. W. E. Hall. No. 1,091,215; Mar. 24; Gaz. vol. 200; p. 995.
- Drying-cylinder. G. D. Kilberry. No. 1,108,077; Aug. 18; Gaz. vol. 205; p. 964.
- Drying-drum, Rotary. K. H. G. A. Gerlach. No. 1,105,417; July 28; Gaz. vol. 204; p. 1248.
- Drying-drums, Drainage means for. G. F. Wentz. No. 1,095,757; May 5; Gaz. vol. 202; p. 199.
- Drying fibrous materials, &c., Apparatus for. G. Stone. No. 1,086,567; Feb. 10; Gaz. vol. 199; p. 391.
- Drying-frame. D. Calandra. No. 1,101,995; June 30; Gaz. vol. 203; p. 1434.
- Drying-frame. W. R. Shepard. No. 1,110,080; Sept. 8; Gaz. vol. 206; p. 474.
- Drying, heating, cooling, or ventilating apparatus. T. G. Marlow. No. 1,102,599; July 7; Gaz. vol. 204; p. 133.
- Drying-kiln. E. A. Hallam. No. 1,119,595; Dec. 1; Gaz. vol. 209; p. 240.
- Drying-kiln. E. E. Perkins. No. 1,120,625; Dec. 8; Gaz. vol. 209; p. 637.

- Drying-kiln with vertical axis, Continuous. J. Réol. No. 1,093,206; Apr. 14; Gaz. vol. 201; p. 407.
- Drying-machine. B. B. Farnham. No. 1,091,051; Mar. 24; Gaz. vol. 200; p. 937.
- Drying-machine. W. R. Files. No. 1,109,977; Sept. 8; Gaz. vol. 206; p. 438.
- Drying-machine. O. M. Miller. No. 1,084,558; Jan. 13; Gaz. vol. 198; p. 460.
- Drying-machine. O. S. Sleeper. No. 1,103,443; July 14; Gaz. vol. 204; p. 470.
- Drying-machine. J. M. Spencer. No. 1,097,144; May 19; Gaz. vol. 202; p. 754.
- Drying-machine. J. O. Woodsome. No. 1,114,215; Oct. 20; Gaz. vol. 207; p. 714.
- Drying-machine, Centrifugal. A. Cassirer. No. 1,087,528; Feb. 17; Gaz. vol. 199; p. 774.
- Drying products of clay or the like, Apparatus for. L. E. Rodgers. No. 1,103,435; July 14; Gaz. vol. 204; p. 467.
- Drying-rack. C. E. Gabby. No. 1,111,892; Sept. 29; Gaz. vol. 206; p. 1231.
- Drying-rack. E. O. Strand. No. 1,086,478; Feb. 10; Gaz. vol. 199; p. 359.
- Drying-room. C. Hultgren. No. 1,110,788; Sept. 15; Gaz. vol. 206; p. 765.
- Drying system. W. M. Grosvenor. No. 1,119,011; Dec. 1; Gaz. vol. 209; p. 38.
- Drying system. C. R. Walker. (Reissue.) No. 13,678; Jan. 20; Gaz. vol. 198; p. 672.
- Drill. See Bench-drill; Disk drill; Electric drill; Electrically-driven drill; Extension-drill; Fluid-operated drill; Fluid-pressure drill; Grain-drill; Hammer-drill; Hand-operated drill; Marine aiming-drill; Multiple drill; Multiple-spindle drill; Percussive drill; Pneumatic rock-drill; Portable drill; Radial drill; Rail-drill; Ratchet-drill; Rock-drill; Rotary drill; Seed-drill; Seed or like drill; Track-drill; Turbine-drill; Twist-drill; Vertical drill.
- Drill. D. Cedrone. No. 1,114,580; Oct. 20; Gaz. vol. 207; p. 842.
- Drill. J. T. Curnow. No. 1,095,085; Apr. 28; Gaz. vol. 201; p. 1145.
- Drill. C. A. Dempsey. No. 1,121,171; Dec. 15; Gaz. vol. 209; p. 876.
- Drill. T. J. Fegley and G. O. Leopold. No. 1,103,746; July 14; Gaz. vol. 204; p. 578.
- Drill. J. S. Foley. No. 1,084,324; Jan. 13; Gaz. vol. 198; p. 384.
- Drill. F. A. Gill. No. 1,098,795; June 2; Gaz. vol. 203; p. 148.
- Drill. C. C. Hansen. No. 1,113,620; Oct. 13; Gaz. vol. 207; p. 464.
- Drill. B. M. W. Hanson. No. 1,104,989; July 28; Gaz. vol. 204; p. 1096.
- Drill. J. T. Hoal. No. 1,106,306; Aug. 4; Gaz. vol. 205; p. 248.
- Drill. G. A. Humason. No. 1,120,198; Dec. 8; Gaz. vol. 209; p. 484.
- Drill. H. Hundrieser. No. 1,083,492; Jan. 6; Gaz. vol. 198; p. 77.
- Drill. G. O. Leopold. No. 1,103,783; July 14; Gaz. vol. 204; p. 590.
- Drill. J. D. MacDonald. No. 1,114,497; Oct. 20; Gaz. vol. 207; p. 816.
- Drill. C. Pauli. No. 1,106,966; Aug. 11; Gaz. vol. 205; p. 527.
- Drill. M. W. Sherwood. No. 1,098,690; June 2; Gaz. vol. 203; p. 114.
- Drill. W. F. Trotter. No. 1,087,089; Feb. 10; Gaz. vol. 199; p. 568.
- Drill. W. J. Turnbull. No. 1,112,946; Oct. 6; Gaz. vol. 207; p. 186.
- Drill. L. J. C. Van Es. No. 1,112,498; Oct. 6; Gaz. vol. 207; p. 30.
- Drill. R. E. Vandergriff. No. 1,090,952; Mar. 24; Gaz. vol. 200; p. 903.
- Drill. F. R. Weathersby. No. 1,102,112; June 30; Gaz. vol. 203; p. 1477.
- Drill and countersink, Combined. W. H. Semon. No. 1,111,410; Sept. 22; Gaz. vol. 206; p. 1023.
- Drill attachment. F. T. Cook. No. 1,105,406; July 28; Gaz. vol. 204; p. 1244.
- Drill-bit. A. L. Edwards. No. 1,113,968; Oct. 20; Gaz. vol. 207; p. 625.
- Drill-bit. A. W. Taylor. No. 1,088,481; Feb. 24; Gaz. vol. 199; p. 1147.
- Drill-bit, Expansible. A. J. Snow. No. 1,095,475; May 5; Gaz. vol. 202; p. 104.
- Drill-bit forming and sharpening machine. W. L. Jackson. No. 1,094,655; Apr. 28; Gaz. vol. 201; p. 996.
- Drill-bit forming, sharpening, and shanking machine, Fluid-actuated. J. G. Leyner. No. 1,096,437; May 12; Gaz. vol. 202; p. 466.
- Drill-bit-locking means. D. S. Waugh. No. 1,091,263; Mar. 24; Gaz. vol. 200; p. 1011.
- Drill bit, Rock-. C. R. Forbes. No. 1,094,063; Apr. 21; Gaz. vol. 201; p. 734.
- Drill bit, Rock-. M. A. Knapp. No. 1,118,292; Nov. 24; Gaz. vol. 208; p. 1103.
- Drill-bit-rotating device. G. H. Gilman and L. A. Knights. No. 1,103,002; July 7; Gaz. vol. 204; p. 270.
- Drill bit, Well-. J. S. Rist and W. E. Totten. No. 1,088,452; Feb. 24; Gaz. vol. 199; p. 1139.
- Drill-bits and the like, Forming and sharpening. H. J. H. Nathorst and G. Lundström. No. 1,094,807; Apr. 28; Gaz. vol. 201; p. 1050.
- Drill-brace. N. I. Mosher. No. 1,095,162; Apr. 28; Gaz. vol. 201; p. 1173.
- Drill-collar. A. C. Means. No. 1,121,386; Dec. 15; Gaz. vol. 209; p. 949.
- Drill-coupling. P. C. Wills. No. 1,085,515; Jan. 27; Gaz. vol. 198; p. 851.
- Drill-cylinder. C. C. Hansen. No. 1,093,408; Apr. 14; Gaz. vol. 201; p. 476.
- Drill-extension device. H. J. Forster. No. 1,104,110; July 21; Gaz. vol. 204; p. 743.
- Drill-extractor. E. Wilson and W. A. McLeod. No. 1,117,468; Nov. 17; Gaz. vol. 208; p. 778.
- Drill-holder. O. B. Schoenky. No. 1,101,966; June 30; Gaz. vol. 203; p. 1424.
- Drill-holder. O. B. Schoenky. No. 1,117,917; Nov. 17; Gaz. vol. 208; p. 933.
- Drill jar, Well-. W. A. Sparks. No. 1,108,267; Aug. 25; Gaz. vol. 205; p. 1078.
- Drill-mounting. C. C. Hansen. No. 1,112,006; Sept. 29; Gaz. vol. 206; p. 1266.
- Drill or the like and socket therefor. J. W. Barnes. No. 1,112,349; Sept. 29; Gaz. vol. 206; p. 1385.
- Drill-press. A. A. Geck. No. 1,115,659; Nov. 3; Gaz. vol. 208; p. 66.
- Drill-press. M. Merliss. No. 1,092,070; Mar. 31; Gaz. vol. 200; p. 1326.
- Drill-press. J. F. Rutz, J. K. Luethe, and A. O. Rutz. No. 1,108,933; Sept. 1; Gaz. vol. 206; p. 26.
- Drill-press attachment for offset drilling. D. J. Trivers and J. M. Schneider. No. 1,112,730; Oct. 6; Gaz. vol. 207; p. 113.
- Drill-press, Automatic multiple-chuck. J. N. Landau. No. 1,104,517; July 21; Gaz. vol. 204; p. 885.
- Drill-presses, Adjustable multiple-spindle head for. A. T. Nelson. No. 1,083,696; Jan. 6; Gaz. vol. 198; p. 145.
- Drill-puller. H. Crouch. No. 1,117,554; Nov. 17; Gaz. vol. 208; p. 807.
- Drill-rod coupling. E. J. Lowe. No. 1,102,064; June 30; Gaz. vol. 203; p. 1460.
- Drill roll, Twist-. S. Denk. No. 1,106,928; Aug. 11; Gaz. vol. 205; p. 514.
- Drill scraper, Disk-. A. Goetz. No. 1,113,776; Oct. 13; Gaz. vol. 207; p. 519.
- Drill-sharpening and other machines, Dolly-driving mechanism for. J. G. Leyner. No. 1,096,438; May 12; Gaz. vol. 202; p. 467.
- Drill-socket. R. G. McDowell. No. 1,089,660; Mar. 10; Gaz. vol. 200; p. 387.
- Drill socket and collar. C. A. Simmons. No. 1,119,766; Dec. 1; Gaz. vol. 209; p. 296.
- Drill-spindle-rotating mechanism for close-corner drills. C. H. Peck. No. 1,089,437; Mar. 10; Gaz. vol. 200; p. 308.
- Drill-support. J. Kubát. No. 1,085,344; Jan. 27; Gaz. vol. 198; p. 795.
- Drills, Automatic stop for. G. O. Leopold. No. 1,103,785; July 14; Gaz. vol. 204; p. 591.
- Drills, Bearing for spindles for multiple. E. Busch. No. 1,102,471; July 7; Gaz. vol. 204; p. 88.
- Drills, Boot-fastener for. T. C. Garrity. No. 1,113,773; Oct. 13; Gaz. vol. 207; p. 518.
- Drills, Drill-holding head for miners'. C. E. Holt and P. R. Rauch. No. 1,085,811; Feb. 3; Gaz. vol. 199; p. 83.
- Drills, Grinding attachment for hand-. G. H. Sawyer. No. 1,121,671; Dec. 22; Gaz. vol. 209; p. 1084.
- Drills, Locking device for hand-. G. L. Wilcox. No. 1,083,784; Jan. 6; Gaz. vol. 198; p. 173.
- Drills, Supporting-arm for radial. W. T. Sears. No. 1,086,691; Feb. 10; Gaz. vol. 199; p. 433.
- Drills, Supporting-arm for radial. W. T. Sears. No. 1,098,981; June 2; Gaz. vol. 203; p. 211.
- Drilling and boring machine, Rotary earth. H. R. Noftz. No. 1,119,446; Dec. 1; Gaz. vol. 209; p. 188.
- Drilling and niching machine. T. F. Morrissey. No. 1,089,856; Mar. 10; Gaz. vol. 200; p. 452.
- Drilling apparatus. O. C. Fosselman. No. 1,097,709; May 26; Gaz. vol. 202; p. 994.
- Drilling apparatus, Walking-beam for. G. H. Copeland. No. 1,122,255; Dec. 29; Gaz. vol. 209; p. 1327.
- Drilling-bit. J. E. Prosser. No. 1,104,543; July 21; Gaz. vol. 204; p. 895.
- Drilling device. W. Schultz. No. 1,112,565; Oct. 6; Gaz. vol. 207; p. 55.
- Drilling-machine. J. S. Detrick. No. 1,087,646; Feb. 17; Gaz. vol. 199; p. 818.
- Drilling-machine. W. F. Fletcher. No. 1,117,825; Nov. 17; Gaz. vol. 208; p. 905.
- Drilling-machine. C. K. Lassiter. No. 1,087,957; Feb. 24; Gaz. vol. 199; p. 970.
- Drilling-machine. M. W. Sherwood. No. 1,116,138; Nov. 3; Gaz. vol. 208; p. 230.
- Drilling-machine. M. W. Sherwood. No. 1,116,139; Nov. 3; Gaz. vol. 208; p. 231.
- Drilling-machine, Hydraulic. S. C. Monberg. No. 1,092,075; Mar. 31; Gaz. vol. 200; p. 1328.

Alphabetical list of inventions—Continued.

- Drilling-machine, Hydraulic rotary. E. E. Greve. No. 1,111,535; Sept. 22; Gaz. vol. 206; p. 1067.
- Drilling-machine, Hydraulic rotary. E. E. Greve. No. 1,111,536; Sept. 22; Gaz. vol. 206; p. 1067.
- Drilling-machine, Hydraulic rotary. E. E. Greve. No. 1,121,351; Dec. 15; Gaz. vol. 209; p. 937.
- Drilling machine, Multiple-. R. H. Grant. No. 1,122,910; Dec. 29; Gaz. vol. 209; p. 1554.
- Drilling-machine post. A. F. Deruy. No. 1,092,980; Apr. 14; Gaz. vol. 201; p. 328.
- Drilling machine, Stay-bolt-. K. H. Carper. No. 1,099,425; June 9; Gaz. vol. 203; p. 406.
- Drilling-machine work-holder. H. Bowen. No. 1,093,029; Apr. 14; Gaz. vol. 201; p. 344.
- Drilling-machines, Drill-stem for rotary. E. E. Greve. No. 1,117,835; Nov. 17; Gaz. vol. 208; p. 907.
- Drilling-mechanism brace. J. M. Hatfield. No. 1,107,941; Aug. 18; Gaz. vol. 205; p. 915.
- Drilling-rig. R. W. Stephens. No. 1,106,900; Aug. 11; Gaz. vol. 205; p. 503.
- Drilling-rig, Rotary. T. J. Griffin. No. 1,095,157; Apr. 28; Gaz. vol. 201; p. 1171.
- Drilling-rig, Rotary. R. E. Kline. No. 1,099,453; June 9; Gaz. vol. 203; p. 415.
- Drilling-rig, Rotary. R. E. Kline. No. 1,103,518; July 14; Gaz. vol. 204; p. 495.
- Drilling-rigs, Strain-indicator support for. R. W. Stephens. No. 1,091,599; Mar. 31; Gaz. vol. 200; p. 1165.
- Drilling square or irregular holes, Device or mechanism for. F. Birchland and G. Birch. No. 1,113,949; Oct. 20; Gaz. vol. 207; p. 619.
- Drilling-stand, Portable. W. R. Booth. No. 1,111,944; Sept. 29; Gaz. vol. 206; p. 1246.
- Drink-mixing device. A. Keppeler. No. 1,119,168; Dec. 1; Gaz. vol. 209; p. 94.
- Drinking-cup. H. B. Cooley. No. 1,116,677; Nov. 10; Gaz. vol. 208; p. 461.
- Drinking-cup. H. B. Cooley and W. S. Bacon. No. 1,116,676; Nov. 10; Gaz. vol. 208; p. 461.
- Drinking-cup. F. P. Meyer. No. 1,089,425; Mar. 10; Gaz. vol. 200; p. 303.
- Drinking-cup. W. H. Tichborne. No. 1,117,109; Nov. 10; Gaz. vol. 208; p. 610.
- Drinking-cup, &c. L. J. White and E. Evans. No. 1,120,428; Dec. 8; Gaz. vol. 209; p. 566.
- Drinking-cup and dispenser, Sanitary. R. E. Hooper. No. 1,111,962; Sept. 29; Gaz. vol. 206; p. 1251.
- Drinking-cup, Collapsible. J. F. Mitchell. No. 1,093,873; Apr. 21; Gaz. vol. 201; p. 671.
- Drinking-cup, Filtering. A. L. Howle. No. 1,091,845; Mar. 31; Gaz. vol. 200; p. 1253.
- Drinking-cup, Indestructible and collapsible. P. F. Jackson. No. 1,116,068; Nov. 3; Gaz. vol. 208; p. 205.
- Drinking-cup, Sanitary. P. T. and J. L. Coffield. No. 1,105,547; July 28; Gaz. vol. 204; p. 1292.
- Drinking-cup, Sanitary. J. Powers. No. 1,107,347; Aug. 18; Gaz. vol. 205; p. 708.
- Drinking-cup, Sanitary. B. L. Rosenbloom. No. 1,089,084; Mar. 3; Gaz. vol. 200; p. 140.
- Drinking-cups, Manufacturing sanitary. J. Powers. No. 1,107,348; Aug. 18; Gaz. vol. 205; p. 708.
- Drinking device. J. Greene and L. A. Asquith. No. 1,114,254; Oct. 20; Gaz. vol. 207; p. 728.
- Drinking-fountain. H. L. and E. M. S. Fisher. No. 1,085,199; Jan. 27; Gaz. vol. 198; p. 743.
- Drinking-fountain. C. Heer. No. 1,085,418; Jan. 27; Gaz. vol. 198; p. 820.
- Drinking-fountain. F. B. Jacobson. No. 1,096,371; May 12; Gaz. vol. 202; p. 445.
- Drinking-fountain. L. W. Laciny. No. 1,116,298; Nov. 3; Gaz. vol. 208; p. 282.
- Drinking-fountain. P. J. Madden. No. 1,101,749; June 30; Gaz. vol. 203; p. 1346.
- Drinking-fountain. E. L. Pollard. No. 1,090,876; Mar. 24; Gaz. vol. 200; p. 877.
- Drinking-fountain. C. W. Valliere. No. 1,101,720; June 30; Gaz. vol. 203; p. 1336.
- Drinking-fountain and attachment for faucets, Combined. C. Tunncliffe. No. 1,096,406; May 12; Gaz. vol. 202; p. 456.
- Drinking-fountain, Antiseptic. W. C. West. No. 1,099,002; June 2; Gaz. vol. 203; p. 218.
- Drinking-fountain, Automatic. P. Jolley. No. 1,120,940; Dec. 15; Gaz. vol. 209; p. 794.
- Drinking-fountain, Bubbling. J. J. Donovan. No. 1,112,689; Oct. 6; Gaz. vol. 207; p. 100.
- Drinking-fountain, Horse. F. A. Thomas. No. 1,111,507; Sept. 22; Gaz. vol. 206; p. 1056.
- Drinking-fountain, Poultry. C. W. Mueller. No. 1,121,528; Dec. 15; Gaz. vol. 209; p. 997.
- Drinking-fountain, Poultry. J. J. Hasty. No. 1,103,413; July 14; Gaz. vol. 204; p. 459.
- Drinking-fountain, Sanitary. D. P. Beckwith. No. 1,113,294; Oct. 13; Gaz. vol. 207; p. 350.
- Drinking-fountain, Sanitary. D. E. Day. No. 1,096,021; May 12; Gaz. vol. 202; p. 324.
- Drinking-fountain, Sanitary. F. Grumme. No. 1,109,219; Sept. 1; Gaz. vol. 206; p. 129.
- Drinking-fountain, Sanitary. F. Johnson. No. 1,103,775; July 14; Gaz. vol. 204; p. 588.
- Drinking-fountain, Sanitary. W. M. Rose. No. 1,111,325; Sept. 22; Gaz. vol. 206; p. 994.
- Drinking-fountain, Sanitary. A. C. Schuermann. No. 1,098,980; June 2; Gaz. vol. 203; p. 211.
- Drinking-fountain, Sanitary. M. M. Suppes. No. 1,121,149; Dec. 15; Gaz. vol. 209; p. 869.
- Drinking-fountain, Sanitary animal. F. G. Partington. No. 1,087,458; Feb. 17; Gaz. vol. 199; p. 751.
- Drinking-fountains, Guard for bubbling. S. C. Keith, Jr., and E. Cate. No. 1,111,540; Sept. 22; Gaz. vol. 206; p. 1068.
- Drinking-glass. H. Pick. No. 1,107,700; Aug. 18; Gaz. vol. 205; p. 833.
- Drinking mechanism, Sanitary. E. L. McCabe. No. 1,083,453; Jan. 6; Gaz. vol. 198; p. 65.
- Drinking-straws, Holder and deliverer for. R. M. Reid. No. 1,102,297; July 7; Gaz. vol. 204; p. 26.
- Drinking vessel. H. A. House. No. 1,117,848; Nov. 17; Gaz. vol. 208; p. 911.
- Drip-pan. A. E. Hughes. No. 1,094,210; Apr. 21; Gaz. vol. 201; p. 784.
- Drive, Automatic releasing and reengaging. W. F. H. Braun. No. 1,111,990; Sept. 29; Gaz. vol. 206; p. 1260.
- Drive, Four-wheel. A. E. Holtermann. No. 1,108,367; Aug. 25; Gaz. vol. 205; p. 1113.
- Drive mechanism. W. A. De Schaum. No. 1,099,239; June 9; Gaz. vol. 203; p. 341.
- Drive mechanism. H. Grob. No. 1,107,196; Aug. 11; Gaz. vol. 205; p. 606.
- Drive mechanism for spinning, twisting, or like machines, Spindle-. A. W. Thompson. No. 1,119,127; Dec. 1; Gaz. vol. 209; p. 79.
- Drive mechanism, Friction. T. A. Panyard. No. 1,103,999; July 21; Gaz. vol. 204; p. 704.
- Drive mechanism, Variable-speed frictional. W. Bartholomew. No. 1,108,672; Aug. 25; Gaz. vol. 205; p. 1218.
- Driving and stopping mechanism. L. E. Topham. No. 1,099,325; June 9; Gaz. vol. 203; p. 371.
- Driving and stopping mechanism. L. E. Topham. No. 1,099,327; June 9; Gaz. vol. 203; p. 372.
- Driving and stopping mechanism. L. E. Topham. No. 1,099,328; June 9; Gaz. vol. 203; p. 372.
- Driving-box lubricator, Automatic. R. McVicar. No. 1,117,881; Nov. 17; Gaz. vol. 208; p. 922.
- Driving connection, Frictional. E. Hoyer. No. 1,112,700; Oct. 6; Gaz. vol. 207; p. 104.
- Driving connection, Resilient. J. E. Webster. No. 1,089,168; Mar. 3; Gaz. vol. 200; p. 172.
- Driving device. J. Adrian. No. 1,118,749; Nov. 17; Gaz. vol. 208; p. 877.
- Driving-gear. C. M. Bartholomew. No. 1,097,965; May 26; Gaz. vol. 202; p. 1086.
- Driving-gear, Vehicle. F. B. Rae. No. 1,117,243; Nov. 17; Gaz. vol. 208; p. 698.
- Driving-gearing. W. Poniatowski. No. 1,107,108; Aug. 11; Gaz. vol. 205; p. 572.
- Driving mechanism. H. W. Bolens. No. 1,096,888; May 19; Gaz. vol. 202; p. 662.
- Driving mechanism. L. F. Bowers. No. 1,093,248; Apr. 14; Gaz. vol. 201; p. 421.
- Driving mechanism. E. S. Church. No. 1,099,116; June 2; Gaz. vol. 203; p. 253.
- Driving mechanism. J. C. Cromwell. No. 1,089,693; Mar. 10; Gaz. vol. 200; p. 397.
- Driving mechanism. H. B. Gorrell. No. 1,096,783; May 12; Gaz. vol. 202; p. 582.
- Driving mechanism. J. Ratzlaff and D. E. Reed. No. 1,084,230; Jan. 13; Gaz. vol. 198; p. 354.
- Driving mechanism. D. H. Taylor and B. E. Connelly. No. 1,109,088; Sept. 1; Gaz. vol. 206; p. 82.
- Driving mechanism. L. E. Topham. No. 1,088,380; Feb. 24; Gaz. vol. 199; p. 1115.
- Driving mechanism, Compensating. W. F. Kendall. No. 1,103,778; July 14; Gaz. vol. 204; p. 589.
- Driving mechanism, Differential. A. J. Carlton. No. 1,117,787; Nov. 17; Gaz. vol. 208; p. 891.
- Driving mechanism, Friction. M. L. Jenkins. No. 1,110,793; Sept. 15; Gaz. vol. 206; p. 767.
- Driving-mechanism guard. C. Seaman. No. 1,116,134; Nov. 3; Gaz. vol. 208; p. 228.
- Driving mechanism, Reciprocating-bed-. R. Miehle. No. 1,115,002; Oct. 27; Gaz. vol. 207; p. 1044.
- Driving member, Yielding. J. A. Hafner. No. 1,085,731; Feb. 3; Gaz. vol. 199; p. 54.
- Driving-wheel. C. Sintz. No. 1,102,447; July 7; Gaz. vol. 204; p. 79.
- Drop-light attachment. C. F. W. Busch. No. 1,103,395; July 14; Gaz. vol. 204; p. 453.
- Drop-presses and the like, Adjustable guide for. A. O. Slentz. No. 1,101,344; June 23; Gaz. vol. 203; p. 1156.
- Dropper. See Anesthetic-dropper; Medicine dropper.
- Dropping-board cleaner. J. A. Conboie. No. 1,102,005; June 30; Gaz. vol. 203; p. 1438.
- Drum. H. D. Elkins and E. Ball. No. 1,121,909; Dec. 22; Gaz. vol. 209; p. 1168.
- Drum. C. F. Obermaier. No. 1,114,798; Oct. 27; Gaz. vol. 207; p. 971.
- Drum. C. W. Thomas. No. 1,090,426; Mar. 17; Gaz. vol. 200; p. 693.
- Drum and cymbal beater. W. F. Ludwig. No. 1,092,276; Apr. 7; Gaz. vol. 201; p. 53.

Alphabetical list of inventions—Continued.

- Drum-beater. E. B. Straight. No. 1,122,551; Dec. 29; Gaz. vol. 209; p. 1426.
- Drum-brake. W. S. Hutchinson. No. 1,093,330; Apr. 14; Gaz. vol. 201; p. 449.
- Drum, Collapsible. T. Schreiner. No. 1,113,253; Oct. 13; Gaz. vol. 207; p. 335.
- Drum-covers, Retaining-ring for. C. B. Wanamaker. No. 1,084,719; Jan. 20; Gaz. vol. 198; p. 545.
- Drum damper, Snare-. R. Hope-Jones. No. 1,091,433; Mar. 24; Gaz. vol. 200; p. 1064.
- Drum, Hot-water. W. A. Brewster. No. 1,087,717; Feb. 17; Gaz. vol. 199; p. 843.
- Drum, Planetary napping-machine. H. S. Greene. (Re-issue.) No. 13,695; Mar. 10; Gaz. vol. 200; p. 547.
- Dumb-bell. R. C. Kepple. No. 1,119,169; Dec. 1; Gaz. vol. 209; p. 94.
- Dumb-bell, Convertible. A. J. Latella. No. 1,113,791; Oct. 13; Gaz. vol. 207; p. 524.
- Dumping-box. A. J. Shea. No. 1,083,637; Jan. 6; Gaz. vol. 198; p. 125.
- Dumping-machine. A. E. Graves. No. 1,085,904; Feb. 3; Gaz. vol. 199; p. 115.
- Duplicating-machine. A. H. Bates. No. 1,106,071; Aug. 4; Gaz. vol. 205; p. 170.
- Duplicating-machine. A. H. Bates. No. 1,113,290; Oct. 13; Gaz. vol. 207; p. 349.
- Duplicating-machine. E. M. Bennett. No. 1,099,893; June 9; Gaz. vol. 203; p. 565.
- Duplicating-machine. H. C. Gammeter. No. 1,094,065; Apr. 21; Gaz. vol. 201; p. 735.
- Duplicating-machine. H. C. Gammeter. No. 1,122,722; Dec. 29; Gaz. vol. 209; p. 1487.
- Duplicating-machine. A. H. Gussman. No. 1,089,127; Mar. 3; Gaz. vol. 200; p. 157.
- Duplicating-machine. H. G. Liebenenthal. No. 1,085,617; Feb. 3; Gaz. vol. 199; p. 13.
- Duplicating-machine. H. G. Liebenenthal. No. 1,085,618; Feb. 3; Gaz. vol. 199; p. 13.
- Duplicating-machine. S. A. Neidich. No. 1,089,146; Mar. 3; Gaz. vol. 200; p. 164.
- Duplicating-machine. S. A. Neidich. No. 1,089,147; Mar. 3; Gaz. vol. 200; p. 165.
- Duplicating-machine. K. R. O'Kane. No. 1,085,627; Feb. 3; Gaz. vol. 199; p. 17.
- Duplicating-machine for making perforated music-sheets, &c. E. W. Myers. No. 1,091,439; Mar. 24; Gaz. vol. 200; p. 1066.
- Dust-agglutinating composition. H. Belger. No. 1,107,880; Aug. 18; Gaz. vol. 205; p. 896.
- Dust-agglutinating composition. H. Belger. No. 1,120,362; Dec. 8; Gaz. vol. 209; p. 542.
- Dust by means of water, Arrangement for precipitating. G. J. Bauer. No. 1,110,868; Sept. 15; Gaz. vol. 206; p. 795.
- Dust-cap. J. E. Billups. No. 1,090,376; Mar. 17; Gaz. vol. 200; p. 674.
- Dust-catcher, Treadle. O. Y. Schnering. No. 1,097,731; May 26; Gaz. vol. 202; p. 1002.
- Dust collecting and separating device. I. H. Spencer. No. 1,114,060; Oct. 20; Gaz. vol. 207; p. 657.
- Dust-collecting pan. F. Harvey. No. 1,121,093; Dec. 15; Gaz. vol. 209; p. 848.
- Dust-collector. J. Douglas. No. 1,122,371; Dec. 29; Gaz. vol. 209; p. 1365.
- Dust-collector. G. W. Glassford. No. 1,109,059; Sept. 1; Gaz. vol. 206; p. 72.
- Dust-collector. G. J. and E. L. Knapp. No. 1,106,101; Aug. 4; Gaz. vol. 205; p. 182.
- Dust-collector. H. Lechtenberg. No. 1,110,699; Sept. 15; Gaz. vol. 206; p. 735.
- Dust-collector. H. Lechtenberg. No. 1,113,024; Oct. 6; Gaz. vol. 207; p. 212.
- Dust-collector. F. J. Matchette. No. 1,083,408; Jan. 6; Gaz. vol. 198; p. 51.
- Dust-collector. C. R. Thurman. No. 1,109,372; Sept. 1; Gaz. vol. 206; p. 184.
- Dust-collector. U. Wedge. No. 1,086,961; Feb. 10; Gaz. vol. 199; p. 527.
- Dust-collector. W. H. Wilkey. No. 1,088,952; Mar. 3; Gaz. vol. 200; p. 97.
- Dust-collector and water-trap. C. H. Raab. No. 1,085,159; Jan. 27; Gaz. vol. 198; p. 730.
- Dust-collector, Pneumatic. J. J. Smith. No. 1,122,039; Dec. 22; Gaz. vol. 209; p. 1215.
- Dust, Composition for laying road-. C. Ellis. No. 1,119,500; Dec. 1; Gaz. vol. 209; p. 207.
- Dust-guard. L. Y. Williams. No. 1,115,638; Nov. 3; Gaz. vol. 208; p. 58.
- Dust-guard. L. Y. Williams. No. 1,116,963; Nov. 10; Gaz. vol. 208; p. 560.
- Dust-guard. L. Y. Williams. No. 1,117,291; Nov. 17; Gaz. vol. 208; p. 716.
- Dust-guard. L. Y. Williams. No. 1,120,778; Dec. 15; Gaz. vol. 209; p. 737.
- Dust-guard. L. Y. Williams. No. 1,121,316; Dec. 15; Gaz. vol. 209; p. 925.
- Dust-handling. W. W. Woodley. No. 1,123,155; Dec. 29; Gaz. vol. 209; p. 1641.
- Dust-pan. J. Beecher. No. 1,084,127; Jan. 13; Gaz. vol. 198; p. 319.
- Dust-pan. W. E. Coats. No. 1,106,282; Aug. 4; Gaz. vol. 205; p. 239.
- Dust-pan. A. E. Glotfelty. No. 1,118,759; Nov. 24; Gaz. vol. 208; p. 1267.
- Dust-pan. K. C. Kane. No. 1,107,961; Aug. 18; Gaz. vol. 205; p. 921.
- Dust-pan attachment. F. E. Peaslack. No. 1,100,147; June 16; Gaz. vol. 203; p. 691.
- Dust-separator. R. W. Preston. No. 1,110,344; Sept. 15; Gaz. vol. 206; p. 609.
- Dust-separator. I. H. Spencer. No. 1,103,549; July 14; Gaz. vol. 204; p. 506.
- Duster. A. K. Horton. No. 1,100,658; June 16; Gaz. vol. 203; p. 863.
- Dye, Brown vat. A. Lüttringhaus, O. Lohse, and A. Sapper. No. 1,090,636; Mar. 17; Gaz. vol. 200; p. 766.
- Dye for dyeing furs, hairs, and the like. A. Erlenbach and K. Marx. No. 1,105,501; July 28; Gaz. vol. 204; p. 1277.
- Dye, Green sulfur. J. Flachslaender. No. 1,113,766; Oct. 13; Gaz. vol. 207; p. 516.
- Dye, Green sulfur. J. Flachslaender, K. P. Gräler, and M. Buff. No. 1,093,259; Apr. 14; Gaz. vol. 201; p. 425.
- Dye, Red azo. H. Jordan and W. Neelmeier. No. 1,098,388; June 2; Gaz. vol. 203; p. 11.
- Dye, Vat. A. Hamburger. No. 1,115,188; Oct. 27; Gaz. vol. 207; p. 1110.
- Dye, Vat. A. Hamburger. No. 1,115,189; Oct. 27; Gaz. vol. 207; p. 1111.
- Dye-vats, Apparatus for forming and preparing charges for. J. T. Psarski. No. 1,083,410; Jan. 6; Gaz. vol. 198; p. 52.
- Dye, Yellow azo. K. Hagemann. No. 1,114,750; Oct. 27; Gaz. vol. 207; p. 953.
- Dye, Yellowish-green triphenylmethane. M. Weiler. No. 1,101,770; June 30; Gaz. vol. 203; p. 1353.
- Dyes and making same, Anthracene. O. Bally. No. 1,086,123; Feb. 3; Gaz. vol. 199; p. 195.
- Dyes and making same, Sulfur. H. Heimann and P. Virck. No. 1,099,039; June 2; Gaz. vol. 203; p. 229.
- Dyes and making same, Sulfurized. H. Heimann. No. 1,096,715; May 12; Gaz. vol. 202; p. 558.
- Dyes and making same, Sulfurized. H. Heimann. No. 1,098,259; May 26; Gaz. vol. 202; p. 1186.
- Dyes and making same, Sulfurized. H. Heimann. No. 1,098,260; May 26; Gaz. vol. 202; p. 1187.
- Dyes and making same, Sulfurized. H. Heimann. No. 1,105,515; July 28; Gaz. vol. 204; p. 1281.
- Dyes and making same, Sulfurized. O. Scharfenberg and W. Herzberg. No. 1,102,171; June 30; Gaz. vol. 203; p. 1496.
- Dyes and making same, Yellow monoazo. R. Reyher. No. 1,084,363; Jan. 13; Gaz. vol. 198; p. 396.
- Dyes and making them, Anthraquinone. M. H. Isler and O. Bally. No. 1,093,427; Apr. 14; Gaz. vol. 201; p. 481.
- Dyes, Anthraquinone vat. M. H. Isler. No. 1,090,621; Mar. 17; Gaz. vol. 200; p. 761.
- Dyes, Azo. A. Blank and W. Bergdolt. No. 1,087,429; Feb. 17; Gaz. vol. 199; p. 740.
- Dyes, Azo. A. Zart and H. Schweitzer. No. 1,114,844; Oct. 27; Gaz. vol. 207; p. 987.
- Dyes, Basic azo. A. Blank and M. Latten. No. 1,087,427; Feb. 17; Gaz. vol. 199; p. 739.
- Dyes, Cotton-. A. Blank, C. Heidenreich, and J. Jansen. No. 1,090,379; Mar. 17; Gaz. vol. 200; p. 675.
- Dyes derived from aminotrisazo compounds. A. Blank and M. Latten. No. 1,087,428; Feb. 17; Gaz. vol. 199; p. 740.
- Dyes for cotton and making the same, Yellow disazo. A. L. Laska. No. 1,094,448; Apr. 28; Gaz. vol. 201; p. 922.
- Dyes for wool, Azo. P. Hauptmann and A. Rohde. No. 1,113,622; Oct. 13; Gaz. vol. 207; p. 464.
- Dyes from the arylamids of 2,3-oxynaphthoic acid and making them, Azo. A. L. Laska and A. Zitscher. No. 1,121,026; Dec. 15; Gaz. vol. 209; p. 824.
- Dyes, Reddish-brown vat. O. Bally and H. Wolff. No. 1,095,780; May 5; Gaz. vol. 202; p. 208.
- Dyes, Sulfur. K. P. Gräler, M. Buff, and J. Flashslaender. No. 1,112,445; Oct. 6; Gaz. vol. 207; p. 10.
- Dyes with aralkyl compounds and making same, Compounds of leuco vat. K. Reinking and A. J. Stiegelmann. No. 1,106,970; Aug. 11; Gaz. vol. 205; p. 528.
- Dyes, Yellow azo. H. Geldermann and F. Ackermann. No. 1,086,155; Feb. 3; Gaz. vol. 199; p. 205.
- Dyeing. H. C. Brook. No. 1,096,997; May 19; Gaz. vol. 202; p. 700.
- Dyeing. J. A. Dominguez. No. 1,099,240; June 9; Gaz. vol. 203; p. 342.
- Dyeing. J. A. Dominguez. No. 1,121,720; Dec. 22; Gaz. vol. 209; p. 1102.
- Dyeing. J. J. Fearon. No. 1,113,765; Oct. 13; Gaz. vol. 207; p. 516.
- Dyeing and washing machine. W. Higgins and J. Rhodes. No. 1,090,397; Mar. 17; Gaz. vol. 200; p. 682.
- Dyeing apparatus. J. Benosch. No. 1,120,644; Dec. 8; Gaz. vol. 209; p. 643.
- Dyeing apparatus. J. Benosch. No. 1,120,645; Dec. 8; Gaz. vol. 209; p. 643.

Alphabetical list of inventions—Continued.

- Dyeing apparatus. J. Benosch. No. 1,120,647; Dec. 8; Gaz. vol. 209; p. 644.
- Dyeing apparatus. A. J. and J. A. Pau. No. 1,108,233; Aug. 25; Gaz. vol. 205; p. 1066.
- Dyeing apparatus. J. Schmitz. No. 1,105,845; Aug. 4; Gaz. vol. 205; p. 91.
- Dyeing apparatus, Yarn-frame for. B. A. Parkes. No. 1,087,070; Feb. 10; Gaz. vol. 199; p. 561.
- Dyeing-beam. F. M. Morton. No. 1,091,157; Mar. 24; Gaz. vol. 200; p. 975.
- Dyeing, bleaching, or treating with fluids and centrifuging textile and other materials, Apparatus for. W. Resch. No. 1,095,028; Apr. 28; Gaz. vol. 201; p. 1125.
- Dyeing fibrous materials, Machine for. T. Allsop and W. W. Sibson. No. 1,089,102; Mar. 3; Gaz. vol. 200; p. 147.
- Dyeing furs, hairs, and the like. K. Marx. No. 1,105,447; July 28; Gaz. vol. 204; p. 1258.
- Dyeing hairs, furs, &c., Preparation for. A. Erlenbach. No. 1,105,554; July 28; Gaz. vol. 204; p. 1295.
- Dyeing-machine. J. Benosch. No. 1,120,643; Dec. 8; Gaz. vol. 209; p. 642.
- Dyeing-machine. J. Benosch. No. 1,120,646; Dec. 8; Gaz. vol. 209; p. 643.
- Dyeing-machine. J. Benosch. No. 1,121,064; Dec. 15; Gaz. vol. 209; p. 838.
- Dyeing-machine. R. D. Booth. No. 1,113,405; Oct. 13; Gaz. vol. 207; p. 390.
- Dyeing-machine. W. W. Brown. No. 1,120,899; Dec. 15; Gaz. vol. 209; p. 780.
- Dyeing-machine. J. H. and D. M. Giles. No. 1,114,464; Oct. 20; Gaz. vol. 207; p. 803.
- Dyeing-machine. J. M. Payne. No. 1,088,617; Feb. 24; Gaz. vol. 199; p. 1191.
- Dyeing-machine, Beam. F. M. Morton. No. 1,107,095; Aug. 11; Gaz. vol. 205; p. 568.
- Dyeing-machine, Circulating. W. W. Sibson and T. Allsop. No. 1,119,995; Dec. 8; Gaz. vol. 209; p. 412.
- Dyeing-machines, Basket or cage for. W. W. Sibson and T. Allsop. No. 1,099,887; June 9; Gaz. vol. 203; p. 563.
- Dyeing of fabrics and fibers with anilin-black by oxidation, Air. H. Fletcher. No. 1,119,075; Dec. 1; Gaz. vol. 209; p. 62.
- Dyeing or washing machine. H. Hennig. No. 1,115,072; Oct. 27; Gaz. vol. 207; p. 1069.
- Dyeing-spool. J. G. Masson. No. 1,120,398; Dec. 8; Gaz. vol. 209; p. 555.
- Dyeing straw, &c., Vat for. A. Kluge. No. 1,121,023; Dec. 15; Gaz. vol. 209; p. 823.
- Dyeing textile materials, Apparatus for. W. R. Smith. No. 1,111,104; Sept. 22; Gaz. vol. 206; p. 918.
- Dyeing vegetable fibers. J. Turner and H. Dean. No. 1,090,176; Mar. 17; Gaz. vol. 200; p. 605.
- Dyeing vegetable fibers. J. Turner and H. Dean. No. 1,105,722; Aug. 4; Gaz. vol. 205; p. 48.
- Dyeing with anilin-black. H. Fletcher. No. 1,102,898; July 7; Gaz. vol. 204; p. 235.
- Dyeings on the fiber, Producing fast. R. Herz. No. 1,107,164; Aug. 11; Gaz. vol. 205; p. 595.
- Dyeings, Producing stable. A. Schlegel and K. Pfister. No. 1,121,295; Dec. 15; Gaz. vol. 209; p. 918.
- Dyestuff and manufacturing the same. E. S. Chapin and E. Lesser. No. 1,106,781; Aug. 11; Gaz. vol. 205; p. 462.
- Dyestuff, Blue. H. Schweitzer and A. Zart. No. 1,088,735; Mar. 3; Gaz. vol. 200; p. 22.
- Dyestuff, Disazo. A. L. Laska and A. Zitscher. No. 1,091,148; Mar. 24; Gaz. vol. 200; p. 972.
- Dyestuff, Substantive. J. Turner and H. Dean. No. 1,099,676; June 9; Gaz. vol. 203; p. 492.
- Dyestuff which may be developed on the fiber, Manufacture of an azo. C. Müller. No. 1,113,468; Oct. 13; Gaz. vol. 207; p. 412.
- Dyestuffs and making same, Green mordant. E. Bodmer. No. 1,106,185; Aug. 4; Gaz. vol. 205; p. 210.
- Dyestuffs and making same, Green vat. B. Mayer. No. 1,097,343; May 19; Gaz. vol. 202; p. 822.
- Dyestuffs and making same, Leuco-alkali preparations of sulfur. A. Schmidt and A. Steindorff. No. 1,095,237; May 5; Gaz. vol. 202; p. 22.
- Dyestuffs and making same, Red vat. R. Herz. No. 1,103,004; July 7; Gaz. vol. 204; p. 271.
- Dyestuffs and making same, Sulfur. W. Hahnenkamm. No. 1,083,489; Jan. 6; Gaz. vol. 198; p. 77.
- Dyestuffs and their production, Azo. H. Levinstein and J. Baddiley. No. 1,092,842; Apr. 14; Gaz. vol. 201; p. 283.
- Dyestuffs, Azo. O. Günther and A. Zart. No. 1,101,739; June 30; Gaz. vol. 203; p. 1342.
- Dyestuffs, Azo. H. Jordan and W. Neelmeier. No. 1,097,231; May 19; Gaz. vol. 202; p. 784.
- Dyestuffs, Cotton. A. Blank, C. Heidenreich, and J. Jansen. No. 1,087,430; Feb. 17; Gaz. vol. 199; p. 741.
- Dyestuffs, Fast yellow sulfid. R. Herz and W. Frohneberg. No. 1,100,877; June 23; Gaz. vol. 203; p. 994.
- Dyestuffs, Manufacture of vat. E. Wray. No. 1,108,056; Aug. 18; Gaz. vol. 205; p. 957.
- Dyestuffs, Manufacture of vat. E. Wray. No. 1,108,057; Aug. 18; Gaz. vol. 205; p. 957.
- Dyestuffs, Monoazo. H. Jordan and W. Neelmeier. No. 1,114,771; Oct. 27; Gaz. vol. 207; p. 962.
- Dyestuffs, Preparing finely-divided or colloid indigo. A. Schmidt and A. Steindorff. No. 1,085,361; Jan. 27; Gaz. vol. 198; p. 801.
- Dyestuffs, Preparing finely-divided or colloid indigo. A. Schmidt and A. Steindorff. No. 1,094,683; Apr. 28; Gaz. vol. 201; p. 1007.
- Dyestuffs, Vat. W. Bauer, A. Herre, and R. Mayer. No. 1,101,778; June 30; Gaz. vol. 203; p. 1356.
- Dyestuffs, Yellow azo. P. Volkmann. No. 1,098,600; June 2; Gaz. vol. 203; p. 84.
- Dyestuffs, Yellow vat. M. Iljinsky and R. Tschunke. No. 1,087,293; Feb. 17; Gaz. vol. 199; p. 693.
- Dynamo. E. M. Tormin. No. 1,108,086; Aug. 18; Gaz. vol. 205; p. 967.
- Dynamo. E. M. Tormin. No. 1,108,087; Aug. 18; Gaz. vol. 205; p. 968.
- Dynamo, Self-regulating. T. M. Mueller. No. 1,105,155; July 28; Gaz. vol. 204; p. 1152.
- Dynamo, Variable-speed. H. Leitner. No. 1,094,077; Apr. 21; Gaz. vol. 201; p. 739.
- Dynamos, Reversible brush-holder for. J. L. Creveling. No. 1,109,901; Sept. 8; Gaz. vol. 206; p. 410.
- Dynamometer for direct observation, Transmission-. K. Suyehiro. No. 1,105,382; July 28; Gaz. vol. 204; p. 1237.
- Ear-protector. G. de Bobory. No. 1,117,968; Nov. 24; Gaz. vol. 208; p. 991.
- Earth carrier and dumper. G. R. Abbott. No. 1,087,343; Feb. 17; Gaz. vol. 199; p. 709.
- Earth-elevator. C. R. Maples. No. 1,113,669; Oct. 13; Gaz. vol. 207; p. 480.
- Earthenware-press. E. L. Jester. No. 1,103,968; July 21; Gaz. vol. 204; p. 695.
- Easel, Adjustable photobromid plate or film printing. H. N. Fulton. No. 1,091,647; Mar. 31; Gaz. vol. 200; p. 1182.
- Easel for printing-frames and photographic enlargements. E. Franke. No. 1,113,549; Oct. 13; Gaz. vol. 207; p. 441.
- Eaves-trough brace. C. Peterson. No. 1,085,474; Jan. 27; Gaz. vol. 198; p. 837.
- Eaves-trough clamp. A. Kaiser. No. 1,119,516; Dec. 1; Gaz. vol. 209; p. 213.
- Eaves-trough hanger, Adjustable. W. T. Braswell. No. 1,105,748; Aug. 4; Gaz. vol. 205; p. 57.
- Eaves-trough-making machine. P. F. Flagge. No. 1,117,177; Nov. 17; Gaz. vol. 208; p. 673.
- Edge-binding machine. A. F. McCollum. No. 1,088,605; Feb. 24; Gaz. vol. 199; p. 1187.
- Edge-finishing. P. R. Glass. No. 1,102,494; July 7; Gaz. vol. 204; p. 95.
- Edge-finishing machine. P. R. Glass. No. 1,102,495; July 7; Gaz. vol. 204; p. 95.
- Edge-setting iron. T. S. York. No. 1,122,836; Dec. 29; Gaz. vol. 209; p. 1528.
- Edge-trimmer. D. A. Niles. No. 1,115,963; Nov. 3; Gaz. vol. 208; p. 170.
- Edge-trimming machine. J. B. Hadaway. No. 1,107,668; Aug. 18; Gaz. vol. 205; p. 823.
- Edged bodies, Locking device for uniting. C. C. Denner-Meier. No. 1,116,249; Nov. 3; Gaz. vol. 208; p. 266.
- Edger. R. J. Tower. No. 1,111,331; Sept. 22; Gaz. vol. 206; p. 996.
- Edger-guide. A. Boyer. No. 1,107,751; Aug. 18; Gaz. vol. 205; p. 851.
- Edging-machine. G. W. Blackburn. No. 1,101,678; June 30; Gaz. vol. 203; p. 1323.
- Edging-mill. V. Chartener. No. 1,107,493; Aug. 18; Gaz. vol. 205; p. 760.
- Educational and amusement device. E. F. Browning. No. 1,120,681; Dec. 15; Gaz. vol. 209; p. 703.
- Educational apparatus. C. B. Hughes. No. 1,099,372; June 9; Gaz. vol. 203; p. 389.
- Educational apparatus. W. L. Smith. No. 1,084,370; Jan. 13; Gaz. vol. 198; p. 399.
- Educational appliance. L. T. Freeman. No. 1,093,690; Apr. 21; Gaz. vol. 201; p. 611.
- Educational device. G. Dadd. No. 1,085,405; Jan. 27; Gaz. vol. 198; p. 816.
- Educational device. C. A. Evans. No. 1,100,362; June 16; Gaz. vol. 203; p. 766.
- Educational device. M. Montessori. No. 1,103,369; July 14; Gaz. vol. 204; p. 445.
- Educational device. L. L. Moulton. No. 1,113,237; Oct. 13; Gaz. vol. 207; p. 330.
- Educational device, Illustrative. S. Scholfield. No. 1,087,186; Feb. 17; Gaz. vol. 199; p. 653.
- Egg and cream whipper. H. A. Covey. No. 1,108,973; Sept. 1; Gaz. vol. 206; p. 40.
- Egg-beater. N. Bleuler. No. 1,101,781; June 30; Gaz. vol. 203; p. 1358.
- Egg-beater. J. D. Coughlin. No. 1,115,287; Oct. 27; Gaz. vol. 207; p. 1144.
- Egg-beater. C. I. Hirt. No. 1,120,716; Dec. 15; Gaz. vol. 209; p. 715.
- Egg-beater. A. McKinlay. No. 1,101,560; June 30; Gaz. vol. 203; p. 1282.
- Egg-beater. H. R. Sinclair. No. 1,100,683; June 16; Gaz. vol. 203; p. 871.
- Egg-beater. F. G. Spear. No. 1,101,347; June 23; Gaz. vol. 203; p. 1157.

Alphabetical list of inventions—Continued.

- Egg-boiler, Foldable. C. B. Kishler. No. 1,093,337; Apr. 14; Gaz. vol. 201; p. 452.
- Egg-boilers, Timing device for. C. C. Lamb. No. 1,096,250; May 12; Gaz. vol. 202; p. 403.
- Egg-box. A. C. Bussey. No. 1,114,856; Oct. 27; Gaz. vol. 207; p. 991.
- Egg-breaker. W. Mezei and F. Podmanicky. No. 1,102,780; July 7; Gaz. vol. 204; p. 195.
- Egg-candling device. F. C. Brake. No. 1,110,874; Sept. 15; Gaz. vol. 206; p. 797.
- Egg-candling machine. F. E. Lee. No. 1,111,595; Sept. 22; Gaz. vol. 206; p. 1088.
- Egg-carrier. P. P. Bennett. No. 1,093,570; Apr. 14; Gaz. vol. 201; p. 524.
- Egg-carrier. C. W. Bolte. No. 1,101,782; June 30; Gaz. vol. 203; p. 1318.
- Egg-carrier. I. V. Bowley. No. 1,105,398; July 28; Gaz. vol. 204; p. 1242.
- Egg-carrier. R. O. Hammond. No. 1,093,407; Apr. 14; Gaz. vol. 201; p. 476.
- Egg-carrier. M. Melotz. No. 1,121,932; Dec. 22; Gaz. vol. 209; p. 1176.
- Egg-carrier. L. E. Miller. No. 1,105,092; July 28; Gaz. vol. 204; p. 1133.
- Egg-carrier. O. Newman. No. 1,094,920; Apr. 28; Gaz. vol. 201; p. 1089.
- Egg-carrier. J. E. Tucker. No. 1,104,719; July 21; Gaz. vol. 204; p. 954.
- Egg-carrier. L. Van Auker. No. 1,114,825; Oct. 27; Gaz. vol. 207; p. 981.
- Egg-carton. E. M. Lawrence. No. 1,121,735; Dec. 22; Gaz. vol. 209; p. 1107.
- Egg-carton. C. C. Smiley. No. 1,112,859; Oct. 6; Gaz. vol. 207; p. 157.
- Egg-carton. C. C. Smiley. No. 1,120,752; Dec. 15; Gaz. vol. 209; p. 728.
- Egg-case. G. Tieman. No. 1,118,702; Nov. 24; Gaz. vol. 208; p. 1249.
- Egg case or carrier. J. A. Hilliker. No. 1,084,859; Jan. 20; Gaz. vol. 198; p. 593.
- Egg-case tray. J. B. Warren. No. 1,097,743; May 26; Gaz. vol. 202; p. 1006.
- Egg-cleaning machine. H. M. Feddersen. No. 1,087,005; Feb. 10; Gaz. vol. 199; p. 541.
- Egg-container, Folding. J. H. Morgan. No. 1,115,449; Oct. 27; Gaz. vol. 207; p. 1198.
- Egg-handler. H. R. Morris. No. 1,086,202; Feb. 3; Gaz. vol. 199; p. 220.
- Egg-handling device. H. E. Rex. No. 1,106,059; Aug. 4; Gaz. vol. 205; p. 166.
- Egg-holder. C. S. Weber. No. 1,092,682; Apr. 7; Gaz. vol. 201; p. 192.
- Egg holder and carrier. H. L. G. Moore. No. 1,108,606; Aug. 25; Gaz. vol. 205; p. 1196.
- Egg-opener. N. L. Anthony. No. 1,097,283; May 19; Gaz. vol. 202; p. 803.
- Egg-opener. J. Meyer. No. 1,087,805; Feb. 17; Gaz. vol. 199; p. 871.
- Egg-package, Parcel-post. C. L. and E. L. N. Miller. No. 1,121,110; Dec. 15; Gaz. vol. 209; p. 855.
- Egg-poacher. L. L. Dennis. No. 1,097,398; May 19; Gaz. vol. 202; p. 843.
- Egg receptacle and carrier. R. M. Odell. No. 1,084,751; Jan. 20; Gaz. vol. 198; p. 556.
- Egg-separator. J. J. Schenk. No. 1,101,041; June 23; Gaz. vol. 203; p. 1054.
- Egg-shipping case. J. H. Spangler. No. 1,117,529; Nov. 17; Gaz. vol. 208; p. 798.
- Egg-storing apparatus. O. Dreher. No. 1,091,307; Mar. 24; Gaz. vol. 200; p. 1025.
- Egg-tester. J. J. Harper. No. 1,108,364; Aug. 25; Gaz. vol. 205; p. 1112.
- Egg-tester. J. M. Irvine. No. 1,106,348; Aug. 4; Gaz. vol. 205; p. 262.
- Egg-tester. O. J. Kogel and W. T. Simmons. No. 1,091,353; Mar. 24; Gaz. vol. 200; p. 1038.
- Egg-tester. P. A. Lown. No. 1,095,408; May 5; Gaz. vol. 202; p. 80.
- Egg-tester. W. K. Stebbins. No. 1,091,778; Mar. 31; Gaz. vol. 200; p. 1228.
- Egg-tester. E. R. Winslow. No. 1,088,505; Feb. 24; Gaz. vol. 199; p. 1156.
- Egg-tester. J. W. Yeager. No. 1,097,832; May 26; Gaz. vol. 202; p. 1037.
- Egg-tester, Electrical. A. E. Graves. No. 1,100,556; June 16; Gaz. vol. 203; p. 830.
- Egg-testing device. M. P. Baken. No. 1,106,127; Aug. 4; Gaz. vol. 205; p. 191.
- Egg-testing device. S. W. Klass. No. 1,097,446; May 19; Gaz. vol. 202; p. 858.
- Egg-testing device. C. C. Reis. No. 1,101,882; June 30; Gaz. vol. 203; p. 1393.
- Egg-tray. J. S. Hedden. No. 1,088,570; Feb. 24; Gaz. vol. 199; p. 1176.
- Egg-tray. E. R. Winslow. No. 1,088,504; Feb. 24; Gaz. vol. 199; p. 1155.
- Egg washing and rinsing machine. W. A. Brandt. No. 1,113,190; Oct. 13; Gaz. vol. 207; p. 311.
- Eggs, Composition of matter for preserving. E. S. Coleman. No. 1,120,029; Dec. 8; Gaz. vol. 209; p. 425.
- Eggs, Desiccating. T. Hara. No. 1,100,973; June 23; Gaz. vol. 203; p. 1030.
- Eggs, Preserving. V. Clairemont. No. 1,092,897; Apr. 14; Gaz. vol. 201; p. 300.
- Eggs, Preserving. H. J. Keith. No. 1,119,964; Dec. 8; Gaz. vol. 209; p. 401.
- Eggs, Preserving. S. C. Keith, Jr. No. 1,112,142; Sept. 29; Gaz. vol. 206; p. 1312.
- Ejecting mechanism. C. F. Kewitz. No. 1,106,570; Aug. 11; Gaz. vol. 205; p. 388.
- Ejector. J. R. Barker. No. 1,116,971; Nov. 10; Gaz. vol. 208; p. 563.
- Ejector. B. W. McClymont. No. 1,105,985; Aug. 4; Gaz. vol. 205; p. 139.
- Ejector. J. G. Nasinec, (now by change of name J. G. Nasin.) No. 1,108,104; Aug. 18; Gaz. vol. 205; p. 974.
- Ejector. F. J. O'Leary. No. 1,109,593; Sept. 1; Gaz. vol. 206; p. 258.
- Ejector mechanism for cylindrical records. F. L. Capps. No. 1,119,065; Dec. 1; Gaz. vol. 209; p. 59.
- Elastic bedding-plate. E. Müller and A. Kayser. No. 1,105,368; July 28; Gaz. vol. 204; p. 1232.
- Elastic connecting device. S. O. Bigney. No. 1,091,476; Mar. 31; Gaz. vol. 200; p. 1123.
- Elastic connection device. M. Albertz. No. 1,101,112; June 23; Gaz. vol. 203; p. 1077.
- Elastic strap. C. Müller and O. Pilz. No. 1,106,959; Aug. 11; Gaz. vol. 205; p. 525.
- Elastic substances, Preparing. R. B. Earle. No. 1,094,317; Apr. 21; Gaz. vol. 201; p. 817.
- Elastic wheel. L. L. R. Denis. No. 1,107,916; Aug. 18; Gaz. vol. 205; p. 906.
- Elastic wheel. L. Harrington. No. 1,103,512; July 14; Gaz. vol. 204; p. 493.
- Elastic wheel. S. C. Hatfield. No. 1,105,654; Aug. 4; Gaz. vol. 205; p. 24.
- Elastic wheel. J. Kohler. No. 1,118,359; Nov. 24; Gaz. vol. 208; p. 1128.
- Electric accumulator. M. L. Ashbaugh. No. 1,096,587; May 12; Gaz. vol. 202; p. 516.
- Electric-accumulator plate. G. O. Davies. No. 1,098,231; May 26; Gaz. vol. 202; p. 1177.
- Electric agitator. H. F. Bennett. No. 1,100,648; June 16; Gaz. vol. 203; p. 860.
- Electric alarm. A. Hoge. No. 1,084,800; Jan. 20; Gaz. vol. 198; p. 572.
- Electric alarm and automatic brake-set for railways. P. W. Mosher. No. 1,119,306; Dec. 1; Gaz. vol. 209; p. 139.
- Electric alarm and fire-escape. F. C. White, Jr. No. 1,097,699; May 26; Gaz. vol. 202; p. 990.
- Electric apparatus adapted for operation in series, Vapor. P. H. Thomas. No. 1,110,602; Sept. 15; Gaz. vol. 208; p. 701.
- Electric apparatus and method of operating the same, Vapor. E. Weintraub. No. 1,086,105; Feb. 3; Gaz. vol. 199; p. 189.
- Electric-apparatus-cooling device, Vapor. P. H. Thomas. No. 1,110,601; Sept. 15; Gaz. vol. 206; p. 700.
- Electric apparatus for driving clocks or similar mechanism. H. E. Warren. No. 1,089,886; Mar. 10; Gaz. vol. 200; p. 463.
- Electric apparatus from an alternating-current source, Operating vapor. E. Weintraub. No. 1,110,847; Sept. 15; Gaz. vol. 206; p. 786.
- Electric-apparatus seal, Vapor. R. D. Mailey. No. 1,118,905; Nov. 24; Gaz. vol. 208; p. 1316.
- Electric apparatus, Single-phase gas or vapor. P. H. Thomas. No. 1,110,582; Sept. 15; Gaz. vol. 206; p. 692.
- Electric apparatus, Starting device for mercury-vapor. P. C. Hewitt. No. 1,110,553; Sept. 15; Gaz. vol. 206; p. 682.
- Electric apparatus, Starting means for vapor. J. T. H. Dempster. No. 1,093,545; Apr. 14; Gaz. vol. 201; p. 517.
- Electric apparatus, Therapeutic. R. H. Wappler. No. 1,092,878; Apr. 14; Gaz. vol. 201; p. 294.
- Electric apparatus, Vapor. C. O. Bastian. No. 1,110,607; Sept. 15; Gaz. vol. 206; p. 702.
- Electric apparatus, Vapor. C. O. Bastian. No. 1,110,609; Sept. 15; Gaz. vol. 206; p. 703.
- Electric apparatus, Vapor. C. O. Bastian. No. 1,110,985; Sept. 15; Gaz. vol. 206; p. 833.
- Electric apparatus, Vapor. C. O. Bastian. No. 1,122,185; Dec. 22; Gaz. vol. 209; p. 1263.
- Electric apparatus, Vapor. A. Churchward. No. 1,094,778; Apr. 28; Gaz. vol. 201; p. 1040.
- Electric apparatus, Vapor. J. T. H. Dempster. No. 1,091,563; Mar. 31; Gaz. vol. 200; p. 1153.
- Electric apparatus, Vapor. J. T. H. Dempster. No. 1,091,564; Mar. 31; Gaz. vol. 200; p. 1154.
- Electric apparatus, Vapor. L. E. Frost. No. 1,119,420; Dec. 1; Gaz. vol. 209; p. 180.
- Electric apparatus, Vapor. P. C. Hewitt. No. 1,110,558; Sept. 15; Gaz. vol. 206; p. 684.
- Electric apparatus, Vapor. P. C. Hewitt. No. 1,110,560; Sept. 15; Gaz. vol. 206; p. 684.
- Electric apparatus, Vapor. P. C. Hewitt. No. 1,110,561; Sept. 15; Gaz. vol. 206; p. 684.
- Electric apparatus, Vapor. P. C. Hewitt. No. 1,121,361; Dec. 15; Gaz. vol. 209; p. 940.

Alphabetical list of inventions—Continued.

- Electric apparatus, Vapor. O. O. Kruh. No. 1,086,185; Feb. 3; Gaz. vol. 199; p. 214.
- Electric apparatus, Vapor. O. O. Kruh. No. 1,091,669; Mar. 31; Gaz. vol. 200; p. 1190.
- Electric apparatus, Vapor. O. O. Kruh. No. 1,104,198; July 21; Gaz. vol. 204; p. 773.
- Electric apparatus, Vapor. O. O. Kruh. No. 1,113,657; Oct. 13; Gaz. vol. 207; p. 476.
- Electric apparatus, Vapor. B. Schaefer. No. 1,097,473; May 19; Gaz. vol. 202; p. 868.
- Electric apparatus, Vapor. P. H. Thomas. No. 1,110,600; Sept. 15; Gaz. vol. 206; p. 700.
- Electric apparatus, Vapor. M. von Recklinghausen. No. 1,110,575; Sept. 15; Gaz. vol. 206; p. 690.
- Electric apparatus, Vapor. E. Weintraub. No. 1,086,106; Feb. 3; Gaz. vol. 199; p. 190.
- Electric appliances, Automatic current cut-off for. U. S. Smith. No. 1,101,575; June 30; Gaz. vol. 203; p. 1288.
- Electric arcs, Means for the production of long continuous. O. Schönherr and J. Hessberger. No. 1,095,427; May 5; Gaz. vol. 202; p. 87.
- Electric arcs, Means for the production of long continuous. O. Schönherr and J. Hessberger. No. 1,115,249; Oct. 27; Gaz. vol. 207; p. 1132.
- Electric arcs, Process and apparatus for the production of long continuous. O. Schönherr and J. Hessberger. No. 1,095,425; May 5; Gaz. vol. 202; p. 86.
- Electric arcs, Producing long continuous. O. Schönherr and J. Hessberger. No. 1,095,426; May 5; Gaz. vol. 202; p. 86.
- Electric bath. H. Aub. No. 1,095,774; May 5; Gaz. vol. 202; p. 206.
- Electric batteries, Cup-post for. J. A. Doran. No. 1,117,006; Nov. 10; Gaz. vol. 208; p. 576.
- Electric battery. E. Achenbach. No. 1,098,606; June 2; Gaz. vol. 203; p. 86.
- Electric battery and accumulator. F. Sablon. No. 1,088,374; Feb. 24; Gaz. vol. 199; p. 1113.
- Electric brake. R. R. Dunlop. No. 1,091,738; Mar. 31; Gaz. vol. 200; p. 1214.
- Electric brake. W. D. Lutz. No. 1,120,728; Dec. 15; Gaz. vol. 209; p. 719.
- Electric braking with alternating-current motors. E. F. W. Alexanderson. No. 1,089,384; Mar. 3; Gaz. vol. 200; p. 240.
- Electric-box connection. F. H. Ward. No. 1,113,520; Oct. 13; Gaz. vol. 207; p. 431.
- Electric cable. J. H. Cuntz. No. 1,119,246; Dec. 1; Gaz. vol. 209; p. 120.
- Electric-cable-supporting bracket. F. P. Kobert. No. 1,087,302; Feb. 17; Gaz. vol. 199; p. 695.
- Electric cap-light. A. R. Neff. No. 1,093,287; Apr. 14; Gaz. vol. 201; p. 435.
- Electric capacitive-inductive coupling. J. Schiessler. No. 1,116,130; Nov. 3; Gaz. vol. 208; p. 228.
- Electric-cell casing. I. Kaempfer. No. 1,090,624; Mar. 17; Gaz. vol. 200; p. 762.
- Electric circuit and motor. H. M. Shedd. No. 1,103,693; July 14; Gaz. vol. 204; p. 561.
- Electric-circuit breaker and the like. E. A. Fagerlund. No. 1,088,268; Feb. 24; Gaz. vol. 199; p. 1078.
- Electric-circuit closer and breaker. T. H. McQuown. No. 1,109,689; Sept. 8; Gaz. vol. 206; p. 335.
- Electric-circuit-closing device. W. W. Burke. No. 1,101,009; June 23; Gaz. vol. 203; p. 1042.
- Electric-circuit-control system. R. J. Dearborn. No. 1,112,439; Oct. 6; Gaz. vol. 207; p. 8.
- Electric-circuit-controlling apparatus for train-lighting and similar systems. E. H. M. Langley and E. W. Price. No. 1,117,198; Nov. 17; Gaz. vol. 208; p. 682.
- Electric-circuit make-and-break mechanism. R. C. Lanphier and K. W. Struck. No. 1,115,840; Nov. 3; Gaz. vol. 208; p. 126.
- Electric-circuit regulator. C. Aalborg. No. 1,104,796; July 28; Gaz. vol. 204; p. 1029.
- Electric-circuit regulator. H. D. James. No. 1,116,432; Nov. 10; Gaz. vol. 208; p. 369.
- Electric-circuit safety device. O. Peterson and H. C. Smith. No. 1,116,477; Nov. 10; Gaz. vol. 208; p. 386.
- Electric-circuit-switching device. M. Kallmann. No. 1,085,266; Jan. 27; Gaz. vol. 198; p. 767.
- Electric-circuit system, Safety. W. Bolger. No. 1,116,228; Nov. 3; Gaz. vol. 208; p. 260.
- Electric circuits and apparatus, Arrangement for protecting. P. V. Hunter. No. 1,088,901; Mar. 3; Gaz. vol. 200; p. 78.
- Electric circuits, Apparatus for the control of. H. Leitner. No. 1,109,536; Sept. 1; Gaz. vol. 206; p. 238.
- Electric circuits, Attachment-plug for. F. H. Chapman and O. E. Kenney. No. 1,098,478; June 2; Gaz. vol. 203; p. 42.
- Electric circuits, Automatic controller for. L. Stern. No. 1,096,470; May 12; Gaz. vol. 202; p. 477.
- Electric circuits, Automatic regulator for. A. S. Cubitt. No. 1,121,983; Dec. 22; Gaz. vol. 209; p. 1195.
- Electric circuits, Coin-controlled switch for. T. M. Knox and F. W. Brockhoff. No. 1,087,300; Feb. 17; Gaz. vol. 199; p. 695.
- Electric circuits from excessively-high differences of potential and similar disturbances, Means for protecting. R. Rüdberg. No. 1,093,477; Apr. 14; Gaz. vol. 201; p. 496.
- Electric circuits, Protective device for. A. V. A. McHarg. No. 1,120,212; Dec. 8; Gaz. vol. 209; p. 490.
- Electric circuits, Protective device for. T. E. Murray and A. V. A. McHarg. No. 1,103,993; July 21; Gaz. vol. 204; p. 703.
- Electric circuits, Thermostatic cut-out for. W. F. Hoffmann. No. 1,096,915; May 19; Gaz. vol. 202; p. 672.
- Electric condenser and constructing the same. G. Honold. No. 1,094,718; Apr. 28; Gaz. vol. 201; p. 1020.
- Electric-conducting coils, Machine for forming. F. B. Segur. No. 1,116,933; Nov. 10; Gaz. vol. 208; p. 550.
- Electric conducting mechanism. J. Delaney. No. 1,119,687; Dec. 1; Gaz. vol. 209; p. 270.
- Electric conductor. F. Färber. No. 1,108,350; Aug. 25; Gaz. vol. 205; p. 1107.
- Electric-conductor coupling. F. Baier. No. 1,110,475; Sept. 15; Gaz. vol. 206; p. 656.
- Electric-conductor coupling. J. L. Hinds and J. J. Dosert. No. 1,094,717; Apr. 28; Gaz. vol. 201; p. 1020.
- Electric conductor, Flexible. L. Steinberger. No. 1,101,579; June 30; Gaz. vol. 203; p. 1289.
- Electric-conductor guard. H. W. Gonía. No. 1,099,744; June 9; Gaz. vol. 203; p. 515.
- Electric conductor, Means for fastening the dangling end of a broken overhead. A. Jürgens. No. 1,122,126; Dec. 22; Gaz. vol. 209; p. 1242.
- Electric-conductor support. G. Honold. No. 1,089,642; Mar. 10; Gaz. vol. 200; p. 380.
- Electric-conductor take-up. D. C. Lamb. No. 1,106,821; Aug. 11; Gaz. vol. 205; p. 476.
- Electric conductors, Connector for. H. H. Russell. No. 1,115,114; Oct. 27; Gaz. vol. 207; p. 1084.
- Electric conductors, Machine for covering. E. H. Cook. No. 1,093,539; Apr. 14; Gaz. vol. 201; p. 515.
- Electric conduit. N. W. Buch. No. 1,088,963; Mar. 3; Gaz. vol. 200; p. 100.
- Electric-conduit connector. J. C. Phelps. No. 1,083,756; Jan. 6; Gaz. vol. 198; p. 165.
- Electric-conduit connector. J. C. Phelps. No. 1,122,632; Dec. 29; Gaz. vol. 209; p. 1455.
- Electric conduits, Distributing-box for. C. E. Van Duzer. No. 1,086,630; Feb. 10; Gaz. vol. 199; p. 412.
- Electric connector. J. Berg. No. 1,085,960; Feb. 3; Gaz. vol. 199; p. 136.
- Electric connector. E. J. Ovington and J. E. Herlihy. No. 1,119,864; Dec. 8; Gaz. vol. 209; p. 366.
- Electric connector. J. C. Stearns. No. 1,096,138; May 12; Gaz. vol. 202; p. 364.
- Electric-contact brush. J. E. Colas and E. L. M. Ragonot. No. 1,109,899; Sept. 8; Gaz. vol. 206; p. 409.
- Electric contact device. A. A. Kent. No. 1,099,093; June 2; Gaz. vol. 203; p. 246.
- Electric contact device. T. H. McQuown. No. 1,087,131; Feb. 17; Gaz. vol. 199; p. 635.
- Electric contact-maker for flow-meters. J. Wilkinson. No. 1,106,907; Aug. 11; Gaz. vol. 205; p. 506.
- Electric contacts at adjustable periodic intervals, Apparatus for producing. L. A. Granoux. No. 1,083,486; Jan. 6; Gaz. vol. 198; p. 76.
- Electric control system. J. H. Hall. No. 1,103,959; July 21; Gaz. vol. 204; p. 693.
- Electric control system. H. A. Steen. No. 1,100,407; June 16; Gaz. vol. 203; p. 781.
- Electric controller. A. Kimble and J. D. Nies. No. 1,115,835; Nov. 3; Gaz. vol. 208; p. 125.
- Electric controllers and starters, Means for operating liquid. R. F. Baerlocher. No. 1,101,050; June 23; Gaz. vol. 203; p. 1056.
- Electric conversion. S. Cabot. No. 1,112,436; Oct. 6; Gaz. vol. 207; p. 7.
- Electric converter. C. I. Zimmerman. No. 1,099,960; June 16; Gaz. vol. 203; p. 625.
- Electric converters, System of distribution by vapor. P. H. Thomas. No. 1,110,592; Sept. 15; Gaz. vol. 206; p. 696.
- Electric converters, System of distribution by vapor. P. H. Thomas. No. 1,110,593; Sept. 15; Gaz. vol. 206; p. 697.
- Electric coupling. J. L. Cobb. No. 1,122,193; Dec. 22; Gaz. vol. 209; p. 1265.
- Electric-current-carrying conductors, Connector for. H. Schroeder. No. 1,085,497; Jan. 27; Gaz. vol. 198; p. 845.
- Electric-current-control safety device. L. T. Hatfield. No. 1,101,127; June 23; Gaz. vol. 203; p. 1082.
- Electric-current controller. L. Bradley. No. 1,119,800; Dec. 8; Gaz. vol. 209; p. 345.
- Electric-current controller. P. J. Ray. No. 1,089,081; Mar. 3; Gaz. vol. 200; p. 139.
- Electric-current-controlling apparatus. A. E. Berdon. No. 1,108,320; Aug. 25; Gaz. vol. 205; p. 1098.
- Electric-current-controlling device. L. Bradley. No. 1,120,018; Dec. 8; Gaz. vol. 209; p. 421.
- Electric-current converter. A. T. Kasley. No. 1,112,913; Oct. 6; Gaz. vol. 207; p. 175.
- Electric-current-distributing systems, Cable for. P. V. Hunter. No. 1,088,902; Mar. 3; Gaz. vol. 200; p. 78.
- Electric-current indicator. O. Moessner. No. 1,104,440; July 21; Gaz. vol. 204; p. 856.

Alphabetical list of inventions—Continued.

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- Electric-current rectifier, T. J. Murphy. No. 1,093,717; Apr. 21; Gaz. vol. 201; p. 620.
- Electric-current shunt, W. L. Brooks. No. 1,100,708; June 23; Gaz. vol. 203; p. 937.
- Electric-current shunt, W. H. Pratt. No. 1,114,515; Oct. 20; Gaz. vol. 207; p. 821.
- Electric-current transformer, P. Hildebrand. No. 1,102,507; July 7; Gaz. vol. 204; p. 100.
- Electric currents, Apparatus for reducing, R. J. Ward. No. 1,085,393; Jan. 27; Gaz. vol. 198; p. 812.
- Electric currents, Means for controlling, E. L. Gale, Sr. No. 1,112,784; Oct. 6; Gaz. vol. 207; p. 130.
- Electric currents, Means for generating alternating, G. Marconi. No. 1,102,990; July 7; Gaz. vol. 204; p. 265.
- Electric currents, Method of and apparatus for rectifying, C. C. Ruprecht. No. 1,121,764; Dec. 22; Gaz. vol. 209; p. 1116.
- Electric currents of high frequency, System for generating, T. B. Miller. No. 1,122,975; Dec. 29; Gaz. vol. 209; p. 1576.
- Electric currents of varying frequencies, Generation of polyphase alternating, W. P. Durnall. No. 1,098,345; May 26; Gaz. vol. 202; p. 1217.
- Electric currents, Transmitting and utilizing, P. C. Hewitt. No. 1,110,547; Sept. 15; Gaz. vol. 206; p. 680.
- Electric cut-out, A. V. A. McHarg. No. 1,084,703; Jan. 20; Gaz. vol. 198; p. 540.
- Electric cut-out, T. E. Murray. No. 1,103,989; July 21; Gaz. vol. 204; p. 701.
- Electric cut-out, T. E. Murray. No. 1,103,990; July 21; Gaz. vol. 204; p. 702.
- Electric cut-out, T. E. Murray. No. 1,103,994; July 21; Gaz. vol. 204; p. 703.
- Electric cut-out, T. E. Murray. No. 1,120,225; Dec. 8; Gaz. vol. 209; p. 494.
- Electric despatch system, R. Brown. No. 1,109,397; Sept. 1; Gaz. vol. 206; p. 193.
- Electric detaching apparatus, S. Endel. No. 1,110,911; Sept. 15; Gaz. vol. 206; p. 810.
- Electric device, Vapor, F. Conrad. No. 1,101,523; June 30; Gaz. vol. 203; p. 1269.
- Electric device, Vapor, P. C. Hewitt. No. 1,110,552; Sept. 15; Gaz. vol. 206; p. 681.
- Electric device, Vapor, P. C. Hewitt. No. 1,110,555; Sept. 15; Gaz. vol. 206; p. 682.
- Electric device, Vapor, O. O. Kruh. No. 1,086,186; Feb. 3; Gaz. vol. 199; p. 214.
- Electric device, Vapor, F. W. Lyle. No. 1,091,680; Mar. 31; Gaz. vol. 200; p. 1193.
- Electric device, Vapor, Y. Sakai. No. 1,101,665; June 30; Gaz. vol. 203; p. 1319.
- Electric device, Vapor, W. E. Story, Jr. No. 1,118,380; Nov. 24; Gaz. vol. 208; p. 1136.
- Electric device, Vapor, E. Weintraub. No. 1,102,308; July 7; Gaz. vol. 204; p. 30.
- Electric device, Vapor, E. Weintraub and A. E. Hirschman. No. 1,093,368; Apr. 14; Gaz. vol. 201; p. 462.
- Electric devices, Distribution system for vapor, R. G. Standerwick. No. 1,093,083; Apr. 14; Gaz. vol. 201; p. 364.
- Electric devices, Means for supporting, G. A. Lutz. No. 1,098,159; May 26; Gaz. vol. 202; p. 1152.
- Electric devices, Means for supporting, G. A. Lutz. No. 1,106,103; Aug. 4; Gaz. vol. 205; p. 182.
- Electric devices, Starting and operating vapor, P. C. Hewitt. No. 1,110,551; Sept. 15; Gaz. vol. 206; p. 681.
- Electric-display control, F. C. Reilly. No. 1,119,371; Dec. 1; Gaz. vol. 209; p. 163.
- Electric display system, C. F. Bonschneck. No. 1,110,872; Sept. 15; Gaz. vol. 206; p. 796.
- Electric distributor, L. J. Flint. No. 1,110,676; Sept. 15; Gaz. vol. 206; p. 727.
- Electric distributing device, R. H. Manross. No. 1,087,453; Feb. 17; Gaz. vol. 199; p. 749.
- Electric distribution, Alternating and direct current, P. H. Thomas. No. 1,110,598; Sept. 15; Gaz. vol. 206; p. 699.
- Electric drill, W. O. Duntley. No. 1,109,325; Sept. 1; Gaz. vol. 206; p. 166.
- Electric drop-light, Adjustable, M. J. Lindahl. No. 1,117,869; Nov. 17; Gaz. vol. 208; p. 918.
- Electric dynamo, W. K. Howe. No. 1,114,361; Oct. 20; Gaz. vol. 207; p. 764.
- Electric elevator, C. B. Manville. No. 1,089,937; Mar. 10; Gaz. vol. 200; p. 483.
- Electric elevator, R. G. Sanford. No. 1,103,626; July 14; Gaz. vol. 204; p. 536.
- Electric energy, Controlling, H. W. Leonard. No. 1,122,774; Dec. 29; Gaz. vol. 209; p. 1505.
- Electric eradicator, Static, F. A. Smith. No. 1,093,491; Apr. 14; Gaz. vol. 201; p. 500.
- Electric exchange system, Automatic, W. R. Binkley. (Reissue.) No. 13,802; Sept. 22; Gaz. vol. 206; p. 1134.
- Electric fans, Vaporizer for use with, J. E. Stratford and J. A. Ackley. No. 1,113,146; Oct. 6; Gaz. vol. 207; p. 253.
- Electric fitting for circuit-wiring, M. F. Finkelstein. No. 1,103,748; July 14; Gaz. vol. 204; p. 578.
- Electric fittings, Mount for, G. A. Eckman. No. 1,113,762; Oct. 13; Gaz. vol. 207; p. 514.
- Electric fixtures, Shade-holding means for, L. W. Andersen. No. 1,097,282; May 19; Gaz. vol. 202; p. 803.
- Electric flash-light, Portable, C. J. Sagebrecht. No. 1,122,424; Dec. 29; Gaz. vol. 209; p. 1382.
- Electric flash-light, Portable, C. J. Sagebrecht. No. 1,122,425; Dec. 29; Gaz. vol. 209; p. 1382.
- Electric flashing device, T. J. Murphy. No. 1,097,871; May 26; Gaz. vol. 202; p. 1051.
- Electric flat-rate controller, F. Kraemer. No. 1,100,832; June 23; Gaz. vol. 203; p. 979.
- Electric furnace, G. H. Benjamin. No. 1,106,486; Aug. 11; Gaz. vol. 205; p. 358.
- Electric furnace, R. S. Bicknell. No. 1,093,968; Apr. 21; Gaz. vol. 201; p. 702.
- Electric furnace, J. W. Brown. No. 1,093,382; Apr. 14; Gaz. vol. 201; p. 467.
- Electric furnace, J. W. Brown. No. 1,100,709; June 23; Gaz. vol. 203; p. 937.
- Electric furnace, W. D. Coolidge. No. 1,096,414; May 12; Gaz. vol. 202; p. 459.
- Electric furnace, W. N. Crafts. No. 1,114,733; Oct. 27; Gaz. vol. 207; p. 947.
- Electric furnace, J. H. Gray. No. 1,113,778; Oct. 13; Gaz. vol. 207; p. 520.
- Electric furnace, B. Guthrie and J. P. Karch. No. 1,086,164; Feb. 3; Gaz. vol. 199; p. 208.
- Electric furnace, W. H. Hampton. No. 1,116,884; Nov. 10; Gaz. vol. 208; p. 533.
- Electric furnace, T. Levoz. No. 1,094,912; Apr. 28; Gaz. vol. 201; p. 1086.
- Electric furnace, F. J. Machalske. No. 1,099,559; June 9; Gaz. vol. 203; p. 452.
- Electric furnace, W. F. McNabb. No. 1,100,191; June 16; Gaz. vol. 203; p. 706.
- Electric furnace, G. Mättler. No. 1,084,466; Jan. 13; Gaz. vol. 198; p. 428.
- Electric furnace, A. Minet and H. L. L. Lucas. No. 1,103,309; July 14; Gaz. vol. 204; p. 425.
- Electric furnace, J. W. Moffat. No. 1,108,924; Sept. 1; Gaz. vol. 206; p. 22.
- Electric furnace, S. Peacock. No. 1,090,107; Mar. 10; Gaz. vol. 200; p. 540.
- Electric furnace, H. F. D. Schwahn. No. 1,105,538; July 28; Gaz. vol. 204; p. 1289.
- Electric furnace, A. Scott-Hansen. No. 1,096,321; May 12; Gaz. vol. 202; p. 428.
- Electric furnace, F. T. Snyder. No. 1,100,995; June 23; Gaz. vol. 203; p. 1037.
- Electric furnace, E. Stassano. No. 1,105,859; Aug. 4; Gaz. vol. 205; p. 96.
- Electric furnace, N. Testrup and T. Rigby. No. 1,106,166; Aug. 4; Gaz. vol. 205; p. 203.
- Electric furnace, C. C. Whitmore. No. 1,089,300; Mar. 3; Gaz. vol. 200; p. 213.
- Electric furnace and operating the same, R. A. Bayard. No. 1,107,478; Aug. 18; Gaz. vol. 205; p. 755.
- Electric furnace and process of heating substances, E. F. von Wilmowsky. No. 1,094,354; Apr. 21; Gaz. vol. 201; p. 828.
- Electric furnace and process of heating substances uniformly and at a controllable temperature, E. F. von Wilmowsky. No. 1,094,355; Apr. 21; Gaz. vol. 201; p. 829.
- Electric furnace combined with means for condensing zinc, Universal, J. Thomson. No. 1,090,429; Mar. 17; Gaz. vol. 200; p. 694.
- Electric furnace for and process of heating substances uniformly and at a controllable temperature in an electric arc, E. F. von Wilmowsky. No. 1,094,381; Apr. 21; Gaz. vol. 201; p. 838.
- Electric furnace for fixing nitrogen from the air, E. K. Scott. No. 1,113,376; Oct. 13; Gaz. vol. 207; p. 380.
- Electric furnace for medium temperatures particularly for melting copper and its alloys, E. Stassano and N. Petinot. No. 1,093,494; Apr. 14; Gaz. vol. 201; p. 501.
- Electric furnace for metallurgical purposes, H. H. Buckman, Jr. No. 1,092,764; Apr. 7; Gaz. vol. 201; p. 220.
- Electric furnace, Induction, W. S. Moody. No. 1,113,134; Oct. 6; Gaz. vol. 207; p. 249.
- Electric-furnace process and electric furnace, C. Hering. No. 1,105,656; Aug. 4; Gaz. vol. 205; p. 25.
- Electric furnace, Rotary, A. S. Bemis. No. 1,105,175; July 28; Gaz. vol. 204; p. 1160.
- Electric furnace working with an electric arc or arcs for melting and extraction of metal from ore, P. Krefting. No. 1,097,336; May 19; Gaz. vol. 202; p. 822.
- Electric generator, J. F. Kelly. No. 1,088,781; Mar. 3; Gaz. vol. 200; p. 37.
- Electric generator and vehicle-starter, E. L. Jones and C. H. Roth. No. 1,087,950; Feb. 24; Gaz. vol. 199; p. 967.
- Electric generator for ignition systems, F. Podlešák. No. 1,098,753; June 2; Gaz. vol. 203; p. 135.
- Electric generator, Magneto-, M. C. Brenot. No. 1,084,924; Jan. 20; Gaz. vol. 198; p. 613.
- Electric generator, Magneto-, R. H. Cunningham. No. 1,098,431; June 2; Gaz. vol. 203; p. 26.

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- Electric generator or motor. W. Rodgers. No. 1,093,650; Apr. 21; Gaz. vol. 201; p. 596.
- Electric ground-clamp. R. R. Forbes. No. 1,084,936; Jan. 20; Gaz. vol. 198; p. 618.
- Electric heater. G. A. Arnold. No. 1,093,237; Apr. 14; Gaz. vol. 201; p. 417.
- Electric heater. C. F. Brown and W. T. Lowry. No. 1,099,786; June 9; Gaz. vol. 203; p. 529.
- Electric heater. H. W. Denhard. No. 1,103,274; July 14; Gaz. vol. 204; p. 414.
- Electric heater. H. W. Denhard. No. 1,121,074; Dec. 15; Gaz. vol. 209; p. 841.
- Electric heater. G. Egly. No. 1,103,353; July 14; Gaz. vol. 204; p. 441.
- Electric heater. W. H. Fulton. No. 1,111,790; Sept. 29; Gaz. vol. 206; p. 1193.
- Electric heater. H. A. Gamble. No. 1,110,919; Sept. 15; Gaz. vol. 206; p. 812.
- Electric heater. W. S. Hadaway, Jr. No. 1,099,125; June 2; Gaz. vol. 203; p. 257.
- Electric heater. W. S. Hadaway, Jr. No. 1,101,072; June 23; Gaz. vol. 203; p. 1064.
- Electric heater. F. Kuhn. No. 1,087,592; Feb. 17; Gaz. vol. 199; p. 797.
- Electric heater. F. Kuhn. No. 1,087,594; Feb. 17; Gaz. vol. 199; p. 797.
- Electric heater. F. Kuhn. No. 1,087,595; Feb. 17; Gaz. vol. 199; p. 798.
- Electric heater. F. Kuhn. No. 1,096,928; May 19; Gaz. vol. 202; p. 677.
- Electric heater. F. Kuhn and F. E. Shailor. No. 1,107,323; Aug. 18; Gaz. vol. 205; p. 698.
- Electric heater. G. H. Mansfield and C. W. Wild. No. 1,107,333; Aug. 18; Gaz. vol. 205; p. 702.
- Electric heater. E. A. Sperry. No. 1,116,855; Nov. 10; Gaz. vol. 208; p. 524.
- Electric heater. C. S. Steward. No. 1,104,572; July 21; Gaz. vol. 204; p. 905.
- Electric heater. J. G. Wallmann. No. 1,087,518; Feb. 17; Gaz. vol. 199; p. 770.
- Electric heater. A. A. Warner. No. 1,120,003; Dec. 8; Gaz. vol. 209; p. 416.
- Electric heater. F. R. Whittlesey. No. 1,112,582; Oct. 6; Gaz. vol. 207; p. 61.
- Electric heater and humidifier. W. C. Smith. No. 1,114,404; Oct. 20; Gaz. vol. 207; p. 780.
- Electric heater. Luminous. F. Kuhn. No. 1,096,927; May 19; Gaz. vol. 202; p. 676.
- Electric heater, Submerged. B. Falkenberg. No. 1,092,523; Apr. 7; Gaz. vol. 201; p. 138.
- Electric heaters, Circuit-opening switch for. R. Kuhn. No. 1,087,596; Feb. 17; Gaz. vol. 199; p. 798.
- Electric heating device. J. A. Heany. No. 1,104,499; July 21; Gaz. vol. 204; p. 878.
- Electric heating table or counter. E. C. Cary. No. 1,084,877; Jan. 20; Gaz. vol. 198; p. 598.
- Electric holder. L. W. Andersen. No. 1,103,122; July 14; Gaz. vol. 204; p. 361.
- Electric-horn switch. J. E. Foulks, Jr. No. 1,098,242; May 26; Gaz. vol. 202; p. 1180.
- Electric ignition, Apparatus for. G. Honold. No. 1,085,340; Jan. 27; Gaz. vol. 198; p. 793.
- Electric ignition apparatus, Magneto-. A. Zähringer. No. 1,113,147; Oct. 6; Gaz. vol. 207; p. 253.
- Electric ignition-generator. B. Lawrence. No. 1,092,370; Apr. 7; Gaz. vol. 201; p. 85.
- Electric ignition-machines, Interrupter for. M. Schäfer. No. 1,104,007; July 21; Gaz. vol. 204; p. 707.
- Electric ignition-plug. L. A. Mazellier. No. 1,084,808; Jan. 20; Gaz. vol. 198; p. 575.
- Electric ignition system. T. Hubert and C. E. Lockwood. No. 1,090,917; Mar. 24; Gaz. vol. 200; p. 890.
- Electric imprinter. F. Hyder. No. 1,119,701; Dec. 1; Gaz. vol. 209; p. 275.
- Electric indicator. C. Schenck and J. M. Graham. No. 1,089,589; Mar. 10; Gaz. vol. 200; p. 362.
- Electric indicator. J. W. Wiley and J. A. Kropp. No. 1,118,717; Nov. 24; Gaz. vol. 208; p. 1255.
- Electric indicator system. F. W. Wood. No. 1,100,860; June 23; Gaz. vol. 203; p. 989.
- Electric induction heater or furnace. A. Helfenstein. No. 1,093,328; Apr. 14; Gaz. vol. 201; p. 449.
- Electric installation, Pipe-conduit fitting for. W. H. Vibber. No. 1,101,892; June 30; Gaz. vol. 203; p. 1396.
- Electric installation, Suspension-box fitting for. W. H. Vibber. No. 1,104,395; July 21; Gaz. vol. 204; p. 841.
- Electric interlocking circuits. W. F. Follett. No. 1,101,067; June 23; Gaz. vol. 203; p. 1062.
- Electric iron. W. S. Lyle, Jr. No. 1,118,872; Nov. 24; Gaz. vol. 208; p. 1305.
- Electric iron. H. Wicks. No. 1,094,506; Apr. 28; Gaz. vol. 201; p. 943.
- Electric-light-adjusting socket. D. Yamada. No. 1,114,089; Oct. 20; Gaz. vol. 207; p. 668.
- Electric light and power switchboard. F. W. Scharf. No. 1,102,805; July 7; Gaz. vol. 204; p. 203.
- Electric-light attachment for levels. P. E. Curtis. No. 1,121,329; Dec. 15; Gaz. vol. 209; p. 929.
- Electric-light-bath cabinet, Folding, portable. C. F. Reuter. No. 1,086,559; Feb. 10; Gaz. vol. 199; p. 387.
- Electric-light bracket. C. W. Lucas. No. 1,107,811; Aug. 18; Gaz. vol. 205; p. 872.
- Electric-light fixture. R. C. Ratto. No. 1,091,961; Mar. 31; Gaz. vol. 200; p. 1292.
- Electric-light fixture. L. Severus. No. 1,114,299; Oct. 20; Gaz. vol. 207; p. 743.
- Electric-light fixture, Adjustable. T. Smith. No. 1,085,947; Feb. 3; Gaz. vol. 199; p. 131.
- Electric-light fixture, Extensible. F. Garrecht. No. 1,095,844; May 5; Gaz. vol. 202; p. 229.
- Electric-light-fixture terminal. F. W. Wakefield. No. 1,093,367; Apr. 14; Gaz. vol. 201; p. 462.
- Electric-light flasher. M. C. Ryan. No. 1,121,292; Dec. 15; Gaz. vol. 209; p. 916.
- Electric-light pendant. W. O. Teasdale. No. 1,111,623; Sept. 22; Gaz. vol. 206; p. 1097.
- Electric light, Pocket. P. H. Oelman. No. 1,111,546; Sept. 22; Gaz. vol. 206; p. 1070.
- Electric light, Portable. C. F. Burgess. No. 1,083,520; Jan. 6; Gaz. vol. 198; p. 86.
- Electric light, Portable. C. Wachtel. No. 1,122,446; Dec. 29; Gaz. vol. 209; p. 1389.
- Electric-light socket. W. Breidenbach. No. 1,086,643; Feb. 10; Gaz. vol. 199; p. 417.
- Electric-light support. D. C. Lamb. No. 1,105,083; July 28; Gaz. vol. 204; p. 1130.
- Electric-light support, Portable. D. C. Lamb. No. 1,121,928; Dec. 22; Gaz. vol. 209; p. 1175.
- Electric-light system, Combined. J. H. Burcham. No. 1,088,527; Feb. 24; Gaz. vol. 199; p. 1162.
- Electric-lighting apparatus, Portable. H. H. Hirsch. No. 1,097,022; May 19; Gaz. vol. 202; p. 708.
- Electric-lighting apparatus, Portable. H. H. Hirsch. No. 1,097,023; May 19; Gaz. vol. 202; p. 710.
- Electric-lighting apparatus, Portable. H. H. Hirsch. No. 1,121,248; Dec. 15; Gaz. vol. 209; p. 901.
- Electric-lighting apparatus, Portable. H. H. Hirsch. No. 1,121,249; Dec. 15; Gaz. vol. 209; p. 901.
- Electric-lighting fixture. J. F. Gilchrist and G. B. Keil. No. 1,117,031; Nov. 10; Gaz. vol. 208; p. 584.
- Electric lighting of cars and for other purposes, Apparatus for the. M. Metz. No. 1,084,220; Jan. 13; Gaz. vol. 198; p. 350.
- Electric lighting or power, Circuit for. M. H. Gray. No. 1,093,615; Apr. 21; Gaz. vol. 201; p. 583.
- Electric lighting, Receptacle and conductor for. J. S. Crossley. No. 1,086,350; Feb. 10; Gaz. vol. 199; p. 315.
- Electric-lighting system. L. R. Jewett. No. 1,110,490; Sept. 15; Gaz. vol. 206; p. 661.
- Electric-line-apparatus protector. P. K. Higgins. No. 1,110,259; Sept. 8; Gaz. vol. 206; p. 539.
- Electric lines, Safety device for overhead. F. F. Bourdill. No. 1,094,699; Apr. 28; Gaz. vol. 201; p. 1013.
- Electric lock and alarm apparatus. O. Nitsch. No. 1,100,681; June 16; Gaz. vol. 203; p. 871.
- Electric machine, Alternating-current dynamo-. L. Dreyfus and F. Hillebrand. No. 1,115,289; Oct. 27; Gaz. vol. 207; p. 1144.
- Electric machine and system of control, Dynamo-. R. Lundell. No. 1,117,872; Nov. 17; Gaz. vol. 208; p. 920.
- Electric-machine brush, Dynamo-. E. G. Gilson. No. 1,093,614; Apr. 21; Gaz. vol. 201; p. 583.
- Electric-machine coils, Winding-reel for dynamo-. M. J. Clark. No. 1,088,126; Feb. 24; Gaz. vol. 199; p. 1028.
- Electric-machine coils, Winding-reel for dynamo-. M. J. Clark. No. 1,088,127; Feb. 24; Gaz. vol. 199; p. 1029.
- Electric machine, Commutating dynamo-. C. H. Smoot. No. 1,111,504; Sept. 22; Gaz. vol. 206; p. 1056.
- Electric machine, Dynamo-. T. S. Allen. No. 1,085,316; Jan. 27; Gaz. vol. 198; p. 785.
- Electric machine, Dynamo-. E. F. W. Alexanderson. No. 1,091,613; Mar. 31; Gaz. vol. 200; p. 1170.
- Electric machine, Dynamo-. E. F. W. Alexanderson. No. 1,091,614; Mar. 31; Gaz. vol. 200; p. 1171.
- Electric machine, Dynamo-. E. F. W. Alexanderson. No. 1,092,420; Apr. 7; Gaz. vol. 201; p. 102.
- Electric machine, Dynamo-. E. J. Andrews. No. 1,123,161; Dec. 29; Gaz. vol. 209; p. 1643.
- Electric machine, Dynamo-. J. L. Davis. No. 1,115,406; Oct. 27; Gaz. vol. 207; p. 1183.
- Electric machine, Dynamo-. F. H. Ford. No. 1,085,116; Jan. 27; Gaz. vol. 198; p. 714.
- Electric machine, Dynamo-. V. A. Fynn. No. 1,084,079; Jan. 13; Gaz. vol. 198; p. 302.
- Electric machine, Dynamo-. V. A. Fynn. No. 1,093,045; Apr. 14; Gaz. vol. 201; p. 350.
- Electric machine, Dynamo-. V. A. Fynn. No. 1,104,184; July 21; Gaz. vol. 204; p. 769.
- Electric machine, Dynamo-. V. A. Fynn. No. 1,108,568; Aug. 25; Gaz. vol. 205; p. 1183.
- Electric machine, Dynamo-. V. A. Fynn. No. 1,118,928; Dec. 1; Gaz. vol. 209; p. 8.
- Electric machine, Dynamo-. A. M. Gray. No. 1,086,818; Feb. 10; Gaz. vol. 199; p. 478.
- Electric machine, Dynamo-. A. M. Gray. No. 1,087,166; Feb. 17; Gaz. vol. 199; p. 647.
- Electric machine, Dynamo-. C. J. Heineman and A. H. Hensley. No. 1,095,632; May 5; Gaz. vol. 202; p. 156.
- Electric machine, Dynamo-. W. Holt. No. 1,100,567; June 16; Gaz. vol. 203; p. 834.

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- Electric machine, Dynamo-. F. R. Kunkel. No. 1,115,440; Oct. 27; Gaz. vol. 207; p. 1195.
- Electric machine, Dynamo-. S. H. Mortensen. No. 1,122,980; Dec. 29; Gaz. vol. 209; p. 1578.
- Electric machine, Dynamo-. J. D. Nies. No. 1,115,724; Nov. 3; Gaz. vol. 208; p. 88.
- Electric machine, Dynamo-. E. S. Pillsbury. No. 1,122,633; Dec. 29; Gaz. vol. 209; p. 1456.
- Electric machine, Dynamo-. S. Sparrow. No. 1,104,715; July 21; Gaz. vol. 204; p. 952.
- Electric machine, Dynamo-. M. Walker. No. 1,115,352; Oct. 27; Gaz. vol. 207; p. 1164.
- Electric machine, Dynamo-. W. Weiler. No. 1,104,233; July 21; Gaz. vol. 204; p. 785.
- Electric machine, Dynamo-. H. B. Weir. No. 1,117,731; Nov. 17; Gaz. vol. 208; p. 871.
- Electric machine, Dynamo-. R. B. Williamson. No. 1,085,514; Jan. 27; Gaz. vol. 198; p. 850.
- Electric machine, Dynamo-. R. B. Williamson. No. 1,121,545; Dec. 15; Gaz. vol. 209; p. 1004.
- Electric machine, Dynamo-. J. J. Wood. No. 1,102,116; June 30; Gaz. vol. 203; p. 1478.
- Electric machine, Dynamo-. J. L. Woodbridge. No. 1,084,723; Jan. 20; Gaz. vol. 198; p. 546.
- Electric-machine frame, Dynamo-. G. Dunn. No. 1,104,784; July 28; Gaz. vol. 204; p. 1025.
- Electric machine provided with commutating pole-pieces, Dynamo-. C. H. Smoot. No. 1,114,405; Oct. 20; Gaz. vol. 207; p. 780.
- Electric machine, Self-regulating dynamo-. C. A. Vandervell and A. H. Midgley. No. 1,086,486; Feb. 10; Gaz. vol. 199; p. 362.
- Electric machine, Self-regulating dynamo-. C. A. Vandervell and A. H. Midgley. No. 1,088,489; Feb. 24; Gaz. vol. 199; p. 1150.
- Electric machine, Static. J. B. Dempster. No. 1,109,205; Sept. 1; Gaz. vol. 206; p. 124.
- Electric-machine structure, Dynamo-. J. C. Lincoln. No. 1,115,947; Nov. 3; Gaz. vol. 208; p. 163.
- Electric-machine system of control, Dynamo-. J. N. Mahoney. (Reissue.) No. 13,753; June 16; Gaz. vol. 203; p. 884.
- Electric machines, Adjustable end head for dynamo-. E. Mattman. No. 1,122,213; Dec. 22; Gaz. vol. 209; p. 1272.
- Electric machines, Antisparking device for dynamo-. L. R. Auvert and A. F. E. Ferrand. No. 1,101,384; June 23; Gaz. vol. 203; p. 1169.
- Electric machines, Brush-holder for dynamo-. T. S. Allen. No. 1,084,384; Jan. 13; Gaz. vol. 198; p. 403.
- Electric machines, Brush-holder for dynamo-. A. N. Sammarone. No. 1,101,814; June 30; Gaz. vol. 203; p. 1370.
- Electric machines, Brush-lifting device for dynamo-. G. H. Krauskopf. No. 1,089,137; Mar. 3; Gaz. vol. 200; p. 161.
- Electric machines, Brush-lifting device for dynamo-. E. Mattman. No. 1,089,142; Mar. 3; Gaz. vol. 200; p. 163.
- Electric machines, Field-magnet winding for dynamo-. B. G. Lamme. No. 1,095,331; May 5; Gaz. vol. 202; p. 54.
- Electric machines, Means for assembling cores of dynamo-. E. R. Knight. No. 1,090,920; Mar. 24; Gaz. vol. 200; p. 892.
- Electric machines, Method of and apparatus for preventing sparking in dynamo-. B. J. Boicourt. No. 1,121,065; Dec. 15; Gaz. vol. 209; p. 838.
- Electric machines, Potential-regulator for dynamo-. V. G. Apple. No. 1,100,340; June 16; Gaz. vol. 203; p. 757.
- Electric machines, System for preventing shaft voltages or bearing-currents in. W. Frick. No. 1,100,294; June 16; Gaz. vol. 203; p. 742.
- Electric machines, System of regulation for dynamo-. V. G. Apple. No. 1,091,420; Mar. 24; Gaz. vol. 200; p. 1059.
- Electric machinery, Brush-holder for dynamo-. A. Aichele. No. 1,102,119; June 30; Gaz. vol. 203; p. 1479.
- Electric machinery, Dynamo-. A. L. J. Scherbius. No. 1,084,040; Jan. 13; Gaz. vol. 198; p. 289.
- Electric mail-box. F. L. Smith and P. O. Gaudreau. No. 1,119,463; Dec. 1; Gaz. vol. 209; p. 193.
- Electric make-and-break device. G. E. Lawrence. No. 1,103,916; July 14; Gaz. vol. 204; p. 635.
- Electric meter. P. Rose. No. 1,085,163; Jan. 27; Gaz. vol. 198; p. 731.
- Electric meter. G. M. Willis. No. 1,084,589; Jan. 13; Gaz. vol. 198; p. 471.
- Electric meter. G. M. Willis. No. 1,084,720; Jan. 20; Gaz. vol. 198; p. 545.
- Electric meter, Alternating-current. G. North. No. 1,116,472; Nov. 10; Gaz. vol. 208; p. 284.
- Electric meter, Maximum-demand. L. H. Conklin. No. 1,110,254; Sept. 8; Gaz. vol. 206; p. 536.
- Electric meter, Recording. C. H. Ingalls. No. 1,106,710; Aug. 11; Gaz. vol. 205; p. 436.
- Electric motor. F. Baker. No. 1,119,387; Dec. 1; Gaz. vol. 209; p. 169.
- Electric motor. E. M. Fraser. No. 1,094,711; Apr. 28; Gaz. vol. 201; p. 1018.
- Electric motor. W. K. Howe. No. 1,094,389; Apr. 21; Gaz. vol. 201; p. 841.
- Electric motor. D. C. Jackson. No. 1,106,513; Aug. 11; Gaz. vol. 205; p. 368.
- Electric motor. E. S. Pillsbury. No. 1,093,074; Apr. 14; Gaz. vol. 201; p. 360.
- Electric motor. H. K. Sandell. No. 1,087,556; Feb. 17; Gaz. vol. 199; p. 784.
- Electric motor. J. D. Taylor. No. 1,102,819; July 7; Gaz. vol. 204; p. 209.
- Electric motor. H. L. Zabriskie. No. 1,084,590; Jan. 13; Gaz. vol. 198; p. 472.
- Electric motor and pump connected thereto. J. F. Breeze. No. 1,114,727; Oct. 27; Gaz. vol. 207; p. 945.
- Electric motor, Multiphase. H. Gearing. No. 1,103,501; July 14; Gaz. vol. 204; p. 489.
- Electric-operated alarm. H. W. Fryling. No. 1,111,652; Sept. 22; Gaz. vol. 206; p. 1108.
- Electric oscillator. D. M. Palmer. No. 1,097,873; May 26; Gaz. vol. 202; p. 1052.
- Electric outlet-fitting. G. B. Thomas. No. 1,100,505; June 16; Gaz. vol. 203; p. 814.
- Electric plug. F. Deiser. No. 1,106,442; Aug. 11; Gaz. vol. 205; p. 339.
- Electric pneumatic-pressure control. E. K. Parker. No. 1,108,470; Aug. 25; Gaz. vol. 205; p. 1148.
- Electric primer. C. F. Lindsay. No. 1,084,745; Jan. 20; Gaz. vol. 198; p. 554.
- Electric protection system. W. M. Scott. No. 1,118,064; Nov. 24; Gaz. vol. 208; p. 1025.
- Electric pull-switch. F. Barr. No. 1,097,207; May 19; Gaz. vol. 202; p. 776.
- Electric recorder. J. L. Zander. No. 1,092,323; Apr. 7; Gaz. vol. 201; p. 70.
- Electric recorder. J. L. Zander. No. 1,104,949; July 28; Gaz. vol. 204; p. 1083.
- Electric recording instrument. A. L. Sohm and C. L. Adams. No. 1,121,540; Dec. 15; Gaz. vol. 209; p. 1001.
- Electric regulation. J. L. Creveling. No. 1,112,196; Sept. 29; Gaz. vol. 206; p. 1332.
- Electric regulation. J. L. Creveling. No. 1,112,682; Oct. 6; Gaz. vol. 207; p. 98.
- Electric regulation. J. L. Creveling. No. 1,113,199; Oct. 13; Gaz. vol. 207; p. 315.
- Electric regulation. J. L. Creveling. No. 1,117,339; Nov. 17; Gaz. vol. 208; p. 733.
- Electric regulator. J. L. Creveling. No. 1,118,333; Nov. 24; Gaz. vol. 208; p. 1119.
- Electric regulator. F. W. Lyle. No. 1,094,733; Apr. 28; Gaz. vol. 201; p. 1025.
- Electric regulator. F. E. Ricketts. No. 1,096,754; May 12; Gaz. vol. 202; p. 572.
- Electric regulator, Automatic. F. E. Ricketts. No. 1,096,755; May 12; Gaz. vol. 202; p. 573.
- Electric-resistance device. W. S. Hadaway, Jr. No. 1,094,851; Apr. 28; Gaz. vol. 201; p. 1066.
- Electric-resistance unit. O. Dale and H. A. Frederick. No. 1,096,289; May 12; Gaz. vol. 202; p. 417.
- Electric-resistance unit. H. W. Denhard. No. 1,102,249; July 7; Gaz. vol. 204; p. 10.
- Electric-resistance unit. H. W. Denhard. No. 1,102,393; July 7; Gaz. vol. 204; p. 60.
- Electric routing-machine. S. Hunter. No. 1,109,755; Sept. 8; Gaz. vol. 206; p. 358.
- Electric service-wires, Support for. G. Hopkins. No. 1,084,147; Jan. 13; Gaz. vol. 198; p. 325.
- Electric sign. Printing-controlled. M. Compos. No. 1,092,977; Apr. 14; Gaz. vol. 201; p. 327.
- Electric signs and similar devices, Distributing switch mechanism for. L. Miller. No. 1,104,692; July 21; Gaz. vol. 204; p. 944.
- Electric signal and recording system. A. L. Sohm. No. 1,096,136; May 12; Gaz. vol. 202; p. 363.
- Electric slow-down device. D. L. Lindquist. No. 1,109,850; Sept. 8; Gaz. vol. 206; p. 391.
- Electric socket. G. C. Knauff. No. 1,090,629; Mar. 17; Gaz. vol. 200; p. 764.
- Electric socket and connector. G. C. Knauff. No. 1,101,289; June 23; Gaz. vol. 203; p. 1137.
- Electric-socket plug. E. B. Nilsson. No. 1,103,533; July 14; Gaz. vol. 204; p. 500.
- Electric spark-producing apparatus. G. W. Wacker. No. 1,083,964; Jan. 13; Gaz. vol. 198; p. 262.
- Electric stations, Sectioning means for. E. Brandenburg. No. 1,085,375; Jan. 27; Gaz. vol. 198; p. 805.
- Electric switch. J. M. S. Anderson. No. 1,100,515; June 16; Gaz. vol. 203; p. 817.
- Electric switch. N. O. Anderson. No. 1,102,562; July 7; Gaz. vol. 204; p. 119.
- Electric switch. T. E. Barnum. No. 1,086,578; Feb. 10; Gaz. vol. 199; p. 395.
- Electric switch. T. E. Barnum. No. 1,096,485; May 12; Gaz. vol. 202; p. 483.
- Electric switch. F. Barr. No. 1,085,398; Jan. 27; Gaz. vol. 198; p. 813.
- Electric switch. F. Barr. No. 1,097,208; May 19; Gaz. vol. 202; p. 776.

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- Electric switch. F. Barr. No. 1,097,210; May 19; Gaz. vol. 202; p. 777.
- Electric switch. F. Barr. No. 1,107,246; Aug. 18; Gaz. vol. 205; p. 671.
- Electric switch. F. Barr. No. 1,107,247; Aug. 18; Gaz. vol. 205; p. 671.
- Electric switch. F. Barr. No. 1,112,882; Oct. 6; Gaz. vol. 207; p. 165.
- Electric switch. F. Barr. No. 1,112,883; Oct. 6; Gaz. vol. 207; p. 165.
- Electric switch. B. Benedict. No. 1,107,646; Aug. 18; Gaz. vol. 205; p. 815.
- Electric switch. H. H. Berry and W. J. Markham. No. 1,118,324; Nov. 24; Gaz. vol. 208; p. 1115.
- Electric switch. B. L. Bronson. No. 1,086,507; Feb. 10; Gaz. vol. 199; p. 369.
- Electric switch. E. E. Clement. No. 1,107,153; Aug. 11; Gaz. vol. 205; p. 591.
- Electric switch. R. H. Conrad. No. 1,094,534; Apr. 28; Gaz. vol. 201; p. 952.
- Electric switch. R. H. Conrad. No. 1,116,566; Nov. 10; Gaz. vol. 208; p. 420.
- Electric switch. G. W. Cravens. No. 1,092,245; Apr. 7; Gaz. vol. 201; p. 42.
- Electric switch. H. W. Denhard. No. 1,114,680; Oct. 20; Gaz. vol. 207; p. 875.
- Electric switch. J. Desmond. No. 1,118,188; Nov. 24; Gaz. vol. 208; p. 1068.
- Electric switch. F. L. Eager. No. 1,114,682; Oct. 20; Gaz. vol. 207; p. 876.
- Electric switch. P. E. Gillling. No. 1,101,272; June 23; Gaz. vol. 203; p. 1131.
- Electric switch. G. W. Goodridge. No. 1,086,661; Feb. 10; Gaz. vol. 199; p. 423.
- Electric switch. G. B. Gray. No. 1,115,810; Nov. 3; Gaz. vol. 208; p. 115.
- Electric switch. M. Guett. No. 1,108,359; Aug. 25; Gaz. vol. 205; p. 1110.
- Electric switch. O. H. H. Heins. No. 1,094,562; Apr. 28; Gaz. vol. 201; p. 962.
- Electric switch. C. Hill. No. 1,117,046; Nov. 17; Gaz. vol. 208; p. 589.
- Electric switch. G. L. Hughes. No. 1,087,238; Feb. 17; Gaz. vol. 199; p. 674.
- Electric switch. R. C. Hull. No. 1,095,279; May 5; Gaz. vol. 202; p. 36.
- Electric switch. R. Ishiyama. No. 1,104,194; July 21; Gaz. vol. 204; p. 772.
- Electric switch. C. J. Klein. No. 1,111,798; Sept. 29; Gaz. vol. 206; p. 1196.
- Electric switch. C. J. Klein. No. 1,114,149; Oct. 20; Gaz. vol. 207; p. 689.
- Electric switch. C. J. Klein. No. 1,119,966; Dec. 8; Gaz. vol. 209; p. 402.
- Electric switch. A. B. Lee. No. 1,109,770; Sept. 8; Gaz. vol. 206; p. 363.
- Electric switch. A. S. Lyhne. No. 1,122,777; Dec. 29; Gaz. vol. 209; p. 1506.
- Electric switch. J. F. McElroy. No. 1,093,793; Apr. 21; Gaz. vol. 201; p. 643.
- Electric switch. J. A. Meaher. No. 1,087,251; Feb. 17; Gaz. vol. 199; p. 678.
- Electric switch. E. B. Merriam. No. 1,122,019; Dec. 22; Gaz. vol. 209; p. 1208.
- Electric switch. T. E. Murray. No. 1,091,155; Mar. 24; Gaz. vol. 200; p. 975.
- Electric switch. C. C. Newburn. No. 1,103,529; July 14; Gaz. vol. 204; p. 499.
- Electric switch. J. A. Osborn. No. 1,109,594; Sept. 1; Gaz. vol. 206; p. 258.
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- Electric switch. W. M. Scott, J. H. Wyatt, and T. W. Greathead. No. 1,121,877; Dec. 22; Gaz. vol. 209; p. 1157.
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- Electric switch and lock-box therefor. D. S. McKenna. No. 1,103,525; July 14; Gaz. vol. 204; p. 497.
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- Electric-terminal connector. F. Wagner. No. 1,115,135; Oct. 27; Gaz. vol. 207; p. 1092.
- Electric terminal plugs, Swivel arrangement for. M. Herskovitz. No. 1,121,625; Dec. 22; Gaz. vol. 209; p. 1068.
- Electric terminals, Binding-post for. A. B. Simpson. No. 1,090,887; Mar. 24; Gaz. vol. 200; p. 880.
- Electric test-meter. G. A. Scheffer. No. 1,108,401; Aug. 25; Gaz. vol. 205; p. 1125.
- Electric testing apparatus. J. H. Conlon. No. 1,100,225; June 16; Gaz. vol. 203; p. 717.
- Electric time mechanism. S. G. Rhodes. No. 1,120,241; Dec. 8; Gaz. vol. 209; p. 500.
- Electric traffic-controlling system. F. L. Dodgson. No. 1,083,669; Jan. 6; Gaz. vol. 198; p. 135.
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- Electric translating device, Vapor. P. C. Hewitt. No. 1,121,358; Dec. 15; Gaz. vol. 209; p. 939.
- Electric transmission-line. C. L. Michod. No. 1,106,468; Aug. 11; Gaz. vol. 205; p. 351.
- Electric transmission of energy. I. Kitsee. No. 1,090,990; Mar. 24; Gaz. vol. 200; p. 916.
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- Electric wall-box. J. G. Raquette. No. 1,104,930; July 28; Gaz. vol. 204; p. 1076.
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- Electric-wire molding or conduit. P. Adison. No. 1,117,748; Nov. 17; Gaz. vol. 208; p. 877.
- Electric wires, Instrument for locating breaks and grounds in. M. J. Myers. No. 1,095,284; May 5; Gaz. vol. 202; p. 38.
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- Electrical-circuit-changing switch. T. B. Miller. No. 1,121,750; Dec. 22; Gaz. vol. 209; p. 1111.
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- Electrical conductor. P. P. Nungesser. No. 1,090,872; Mar. 24; Gaz. vol. 200; p. 875.
- Electrical-conductor coupling. W. L. Bliss. No. 1,097,602; May 19; Gaz. vol. 202; p. 911.
- Electrical-conductor coupling. W. L. Bliss. No. 1,123,074; Dec. 29; Gaz. vol. 209; p. 1612.
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- Electrical conduit. J. S. Wheeler. No. 1,088,311; Feb. 24; Gaz. vol. 199; p. 1092.
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- Electrical connection. J. C. Stearns. No. 1,084,714; Jan. 20; Gaz. vol. 198; p. 543.
- Electrical connection. B. B. Turner. No. 1,104,720; July 21; Gaz. vol. 204; p. 954.
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- Electrical control system. V. A. Fynn. No. 1,118,929; Dec. 1; Gaz. vol. 209; p. 8.
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- Electrical conversion system. S. Cabot. No. 1,112,435; Oct. 6; Gaz. vol. 207; p. 6.
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- Electrical-current-limiting device. M. Mertens. No. 1,099,562; June 9; Gaz. vol. 203; p. 453.
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- Electrical oscillations, Means for receiving. W. Schloemilch and O. von Bronk. No. 1,087,592; Feb. 17; Gaz. vol. 199; p. 899.
- Electrical outlet-box and the like. A. McMurtrie. No. 1,105,284; July 28; Gaz. vol. 204; p. 1198.
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- Electrical switch and valve-controlling device. E. N. and E. A. Frary. No. 1,116,262; Nov. 3; Gaz. vol. 208; p. 270.
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- Electrical system. R. Varley. No. 1,112,177; Sept. 29; Gaz. vol. 206; p. 1325.
- Electrical system, Constant-potential. D. R. Lovejoy. No. 1,111,263; Sept. 22; Gaz. vol. 206; p. 973.
- Electrical terminal device. R. H. Henderson. No. 1,118,418; Nov. 24; Gaz. vol. 208; p. 1149.
- Electrical terminal device. W. H. Houskeeper. No. 1,099,091; June 2; Gaz. vol. 203; p. 245.
- Electrical transmission. P. C. Hewitt. No. 1,097,320; May 19; Gaz. vol. 202; p. 816.
- Electrical variations, Apparatus for amplifying or detecting. G. W. Pierce. No. 1,087,180; Feb. 17; Gaz. vol. 199; p. 651.
- Electrical variations, Apparatus for amplifying or detecting. G. W. Pierce. No. 1,112,549; Oct. 6; Gaz. vol. 207; p. 49.
- Electrical variations, Reproducing. H. D. Arnold. No. 1,118,172; Nov. 24; Gaz. vol. 208; p. 1062.
- Electrical vibrations, Apparatus for the production and strengthening of. J. Schiessler. No. 1,101,148; June 23; Gaz. vol. 203; p. 1090.
- Electrical waves, Means for receiving intelligence communicated by. G. W. Pickard. (Reissue.) No. 13,798; Sept. 8; Gaz. vol. 206; p. 558.
- Electrically-conducting lubricant. G. Pommerhanz. No. 1,118,148; Nov. 24; Gaz. vol. 208; p. 1054.
- Electrically-connecting device. R. J. Bell. No. 1,090,190; Mar. 17; Gaz. vol. 200; p. 610.
- Electrically-controlled cut-out. T. E. Murray and A. V. A. McHarg. No. 1,120,222; Dec. 8; Gaz. vol. 209; p. 493.
- Electrically-controlled elevator. T. G. Mason. No. 1,091,003; Mar. 24; Gaz. vol. 200; p. 921.
- Electrically-controlled switch. H. E. White. No. 1,110,021; Sept. 8; Gaz. vol. 206; p. 453.
- Electrically-driven drill. W. F. Trotter. No. 1,086,797; Feb. 10; Gaz. vol. 199; p. 472.
- Electrically-heated apparatus. T. Hoock. No. 1,101,550; June 30; Gaz. vol. 203; p. 1279.
- Electrically-heated apparatus. E. E. Rose. No. 1,113,487; Oct. 13; Gaz. vol. 207; p. 420.
- Electrically-heated device. F. E. Carlson. No. 1,105,962; Aug. 4; Gaz. vol. 205; p. 131.
- Electrically-heated implement. E. C. Van Glahn. No. 1,096,475; May 12; Gaz. vol. 202; p. 479.
- Electrically-heated instrument. J. A. Chapman. No. 1,083,386; Jan. 6; Gaz. vol. 198; p. 43.
- Electrically-heated instrument. G. J. Schneider. No. 1,103,690; July 14; Gaz. vol. 204; p. 560.
- Electrically-operated brake. G. R. Wadsworth. No. 1,104,586; July 21; Gaz. vol. 204; p. 909.
- Electrically-operated lock. J. C. Mosley. No. 1,114,628; Oct. 20; Gaz. vol. 207; p. 857.
- Electrically selecting and controlling a number of elements from a distant point, System and apparatus for. N. H. Morrison. No. 1,086,072; Feb. 3; Gaz. vol. 199; p. 177.
- Electricity, Distributing and measuring system for. T. M. R. Meikleham. No. 1,120,074; Dec. 8; Gaz. vol. 209; p. 440.
- Electricity from paper, cloth, yarn, &c., Method of and apparatus for removing or dissipating static. A. C. Heiny. No. 1,099,799; June 9; Gaz. vol. 203; p. 533.
- Electricity, Producing light by. E. Weintraub. No. 1,086,104; Feb. 3; Gaz. vol. 199; p. 189.
- Electro-optical cell. C. Stille. No. 1,108,638; Aug. 25; Gaz. vol. 205; p. 1207.
- Electrochemical process for producing nitrogen compounds. J. W. Wood. No. 1,118,993; Dec. 1; Gaz. vol. 209; p. 31.
- Electrode. J. W. Brown. No. 1,091,559; Mar. 31; Gaz. vol. 200; p. 1152.
- Electrode. J. T. H. Dempster. No. 1,118,399; Nov. 24; Gaz. vol. 208; p. 1142.
- Electrode. J. T. H. Dempster. No. 1,118,400; Nov. 24; Gaz. vol. 208; p. 1142.

Alphabetical list of inventions—Continued.

- Electrode. F. J. Machalske. No. 1,099,558; June 9; Gaz. vol. 203; p. 452.
- Electrode. J. W. Richards. No. 1,088,296; Feb. 24; Gaz. vol. 199; p. 1087.
- Electrode. R. L. Seabury. No. 1,115,027; Oct. 27; Gaz. vol. 207; p. 1053.
- Electrode. E. Weintraub. No. 1,093,957; Apr. 21; Gaz. vol. 201; p. 699.
- Electrode and making same, Arc-. J. L. R. Hayden. No. 1,093,182; Apr. 14; Gaz. vol. 201; p. 399.
- Electrode and making same, Storage-battery. H. C. Hubbell. No. 1,086,666; Feb. 10; Gaz. vol. 199; p. 425.
- Electrode and making same, Storage-battery. H. C. Hubbell. No. 1,087,236; Feb. 17; Gaz. vol. 199; p. 673.
- Electrode and manufacturing it, Storage-battery. H. C. Hubbell. No. 1,094,903; Apr. 28; Gaz. vol. 201; p. 1083.
- Electrode, Arc-lamp. M. H. Baker. No. 1,118,464; Nov. 24; Gaz. vol. 208; p. 1167.
- Electrode, Arc-lamp. C. W. Dake. No. 1,105,887; Aug. 4; Gaz. vol. 205; p. 104.
- Electrode, Arc-light. C. W. Dake. No. 1,112,361; Sept. 29; Gaz. vol. 206; p. 1389.
- Electrode, Arc-light. W. L. Harraden. No. 1,111,381; Sept. 22; Gaz. vol. 206; p. 1013.
- Electrode, Arc-light. I. Ladoff. No. 1,112,458; Oct. 6; Gaz. vol. 207; p. 15.
- Electrode, Arc-light. A. V. Wilker. No. 1,114,953; Oct. 27; Gaz. vol. 207; p. 1027.
- Electrode device of high-frequency apparatus. W. Dubilier. No. 1,121,077; Dec. 15; Gaz. vol. 209; p. 842.
- Electrode. Electrolytic-cleaning. T. Appleby. No. 1,093,236; Apr. 14; Gaz. vol. 201; p. 417.
- Electrode, Electrotherapeutic fluid. H. Bonis. No. 1,108,686; Aug. 25; Gaz. vol. 205; p. 1223.
- Electrode element. T. A. Edison. No. 1,115,463; Oct. 27; Gaz. vol. 207; p. 1203.
- Electrode for alkaline secondary batteries, Negative. H. P. R. L. Pörsche and J. A. E. Achenbach. No. 1,096,751; May 12; Gaz. vol. 202; p. 572.
- Electrode for electric furnaces. A. T. Hinckley. No. 1,097,227; May 19; Gaz. vol. 202; p. 783.
- Electrodes for electric welding or soldering, Preparing. O. Kjellberg. No. 1,115,317; Oct. 27; Gaz. vol. 207; p. 1154.
- Electrode for electrolytic measuring instruments. H. S. Hatfield. No. 1,111,898; Sept. 29; Gaz. vol. 206; p. 1233.
- Electrode for gas or vapor electric apparatus. M. von Recklinghausen. No. 1,091,244; Mar. 24; Gaz. vol. 200; p. 1006.
- Electrode for gas or vapor electric apparatus. M. von Recklinghausen. No. 1,110,574; Sept. 15; Gaz. vol. 206; p. 689.
- Electrode for therapeutical apparatus. F. M. and M. H. Kidder. No. 1,122,947; Dec. 29; Gaz. vol. 209; p. 1566.
- Electrode for vapor apparatus. P. C. Hewitt. No. 1,110,544; Sept. 15; Gaz. vol. 206; p. 679.
- Electrode for vapor electric apparatus. C. A. Kraus and R. D. Mailey. No. 1,109,764; Sept. 8; Gaz. vol. 206; p. 361.
- Electrode for welding. A. B. Herrick. No. 1,106,347; Aug. 4; Gaz. vol. 205; p. 262.
- Electrode, Furnace-. C. Hering. No. 1,106,381; Aug. 11; Gaz. vol. 205; p. 319.
- Electrode having protective covering and producing same, Carbon. C. H. Schroers. No. 1,088,734; Mar. 3; Gaz. vol. 200; p. 22.
- Electrode-holder. H. J. Potts. No. 1,119,872; Dec. 8; Gaz. vol. 209; p. 369.
- Electrode material for vapor electric apparatus. R. P. Jackson. No. 1,099,375; June 9; Gaz. vol. 203; p. 390.
- Electrode, Metallic. E. Weintraub. No. 1,116,960; Nov. 10; Gaz. vol. 208; p. 559.
- Electrode. Solid titanium-carbid stick-. W. G. Abbott, Jr. No. 1,099,138; June 2; Gaz. vol. 203; p. 261.
- Electrode-terminal for electric heaters. U. Tobler. No. 1,101,360; June 23; Gaz. vol. 203; p. 1161.
- Electrodes and other carbon articles, Softening the ends of. J. W. Brown. No. 1,084,129; Jan. 13; Gaz. vol. 198; p. 319.
- Electrodes for secondary batteries, Making. J. Apoznanski. No. 1,114,667; Oct. 20; Gaz. vol. 207; p. 871.
- Electrodes in electric oscillators, Magnetic lift for. C. D. Herrold. No. 1,120,306; Dec. 8; Gaz. vol. 209; p. 522.
- Electrodes, Making storage-battery. H. C. Hubbell. No. 1,087,237; Feb. 17; Gaz. vol. 199; p. 674.
- Electrodes, Making storage-battery. H. C. Hubbell. No. 1,092,267; Apr. 7; Gaz. vol. 201; p. 49.
- Electrodes, Making storage-battery. H. C. Hubbell. No. 1,104,898; July 28; Gaz. vol. 204; p. 1066.
- Electrodes, Method and means for treating. C. P. Landreth. No. 1,099,654; June 9; Gaz. vol. 203; p. 484.
- Electrodes, Retaining envelop or cover for storage-battery. E. W. Smith. No. 1,086,864; Feb. 10; Gaz. vol. 199; p. 496.
- Electrogalvanizing solution. G. Sacerdote. No. 1,109,181; Sept. 1; Gaz. vol. 206; p. 116.
- Electrohydraulic controller. C. Engberg. No. 1,083,810; Jan. 6; Gaz. vol. 198; p. 181.
- Electrohydraulic power appliance. M. C. White and O. C. Duryea. No. 1,088,002; Feb. 24; Gaz. vol. 199; p. 986.
- Electroliser. J. H. Johns. No. 1,090,154; Mar. 17; Gaz. vol. 200; p. 597.
- Electroliser-fitting. C. Messick. No. 1,089,490; Mar. 10; Gaz. vol. 200; p. 327.
- Electroliser-hanger. L. C. Reed. No. 1,089,497; Mar. 10; Gaz. vol. 200; p. 330.
- Electroliser, Portable. G. H. Barnhart. No. 1,090,374; Mar. 17; Gaz. vol. 200; p. 673.
- Electrolisers and the like, Securing device for. G. W. Jockers. No. 1,093,332; Apr. 14; Gaz. vol. 201; p. 450.
- Electrolysis and treatment of sulfate liquors. E. J. Hunt and W. T. Gidden. No. 1,107,309; Aug. 18; Gaz. vol. 205; p. 693.
- Electrolyte for use in electrometallurgy. N. H. M. Dekker. No. 1,113,546; Oct. 13; Gaz. vol. 207; p. 440.
- Electrolytes, Purifying. F. von Kügelgen, F. von Bidder, and G. O. Seward. No. 1,095,609; May 5; Gaz. vol. 202; p. 149.
- Electrolytic apparatus. J. D. Fields. No. 1,104,646; July 21; Gaz. vol. 204; p. 929.
- Electrolytic apparatus. A. Herrmann. No. 1,115,671; Nov. 3; Gaz. vol. 208; p. 70.
- Electrolytic apparatus. I. H. Levin. No. 1,094,728; Apr. 28; Gaz. vol. 201; p. 1024.
- Electrolytic apparatus. W. Thum. No. 1,095,748; May 5; Gaz. vol. 202; p. 196.
- Electrolytic cell. D. B. Ayerst. No. 1,105,015; July 28; Gaz. vol. 204; p. 1104.
- Electrolytic cell. J. B. Burdett. No. 1,104,754; July 21; Gaz. vol. 204; p. 966.
- Electrolytic cell. J. B. Burdett. No. 1,107,257; Aug. 18; Gaz. vol. 205; p. 675.
- Electrolytic cell. J. B. Burdett. No. 1,107,258; Aug. 18; Gaz. vol. 205; p. 676.
- Electrolytic cell. J. B. Burdett. No. 1,107,259; Aug. 18; Gaz. vol. 205; p. 676.
- Electrolytic cell. A. M. Griffin. No. 1,117,185; Nov. 17; Gaz. vol. 208; p. 677.
- Electrolytic cell. F. McDonald. No. 1,117,879; Nov. 17; Gaz. vol. 208; p. 922.
- Electrolytic cell. C. C. Titus. No. 1,111,977; Sept. 29; Gaz. vol. 206; p. 1256.
- Electrolytic cell. C. P. Townsend and E. A. Sperry. No. 1,097,826; May 26; Gaz. vol. 202; p. 1035.
- Electrolytic converter for the transformation of alternating currents into continuous currents. A. Heinz. No. 1,097,801; May 26; Gaz. vol. 202; p. 1027.
- Electrolytic generator. C. Ellis. No. 1,087,937; Feb. 24; Gaz. vol. 199; p. 962.
- Electrolytic process and apparatus. C. White. No. 1,096,085; May 12; Gaz. vol. 202; p. 346.
- Electrolytic process of and apparatus for producing compounds. E. A. Byrnes. No. 1,102,209; June 30; Gaz. vol. 203; p. 1511.
- Electrolyzing liquids, Method of and apparatus for. H. H. Dow. No. 1,100,290; June 16; Gaz. vol. 203; p. 741.
- Electrolyzing saline solutions, Method and means for. E. A. Allen. No. 1,109,311; Sept. 1; Gaz. vol. 206; p. 161.
- Electromagnet. A. F. Dixon. No. 1,097,400; May 19; Gaz. vol. 202; p. 843.
- Electromagnet. O. F. Forsberg. No. 1,117,485; Nov. 17; Gaz. vol. 208; p. 783.
- Electromagnet. E. J. Guay. No. 1,091,650; Mar. 31; Gaz. vol. 200; p. 1184.
- Electromagnet. C. C. Newburn. No. 1,103,530; July 14; Gaz. vol. 204; p. 499.
- Electromagnet. J. N. Reynolds and H. D. Hill. No. 1,101,095; June 23; Gaz. vol. 203; p. 1072.
- Electromagnet and similar apparatus. P. Bossu. No. 1,106,187; Aug. 4; Gaz. vol. 205; p. 210.
- Electromagnet-spool. C. J. Anderson. No. 1,104,032; July 21; Gaz. vol. 204; p. 716.
- Electromagnets, Housing for. E. Gengenbach. No. 1,098,246; May 26; Gaz. vol. 202; p. 1181.
- Electromagnetic actuating mechanism. H. M. Stevens. No. 1,119,660; Dec. 1; Gaz. vol. 209; p. 261.
- Electromagnetic brake. N. E. Church. No. 1,101,997; June 30; Gaz. vol. 203; p. 1435.
- Electromagnetic circuit-controlling device. W. F. Smith. No. 1,104,077; July 21; Gaz. vol. 204; p. 733.
- Electromagnetic coil. E. H. Colpitts. No. 1,116,020; Nov. 3; Gaz. vol. 208; p. 190.
- Electromagnetic controlling device. H. J. Keating. No. 1,093,137; Apr. 14; Gaz. vol. 201; p. 383.
- Electromagnetic device. E. R. Carichoff. No. 1,091,630; Mar. 31; Gaz. vol. 200; p. 1176.
- Electromagnetic device. H. P. Clausen. No. 1,088,878; Mar. 3; Gaz. vol. 200; p. 70.
- Electromagnetic device. W. W. Dean. No. 1,088,771; Mar. 3; Gaz. vol. 200; p. 33.
- Electromagnetic device. E. M. Jones. No. 1,109,678; Sept. 8; Gaz. vol. 206; p. 331.
- Electromagnetic device. B. Liebowitz. No. 1,100,188; June 16; Gaz. vol. 203; p. 705.
- Electromagnetic lock. L. L. Leduc. No. 1,085,347; Jan. 27; Gaz. vol. 198; p. 796.

Alphabetical list of inventions—Continued.

- Electromagnetic motor, Automatic reciprocating. F. E. Schoolfield and J. C. Owen. No. 1,120,414; Dec. 8; Gaz. vol. 209; p. 560.
- Electromagnetic selective device. W. S. Burnett. No. 1,119,681; Dec. 1; Gaz. vol. 209; p. 268.
- Electromagnetic selective device. W. S. Burnett. No. 1,120,997; Dec. 15; Gaz. vol. 209; p. 813.
- Electromagnetic separator. B. T. Mottinger. No. 1,093,875; Apr. 21; Gaz. vol. 201; p. 672.
- Electromagnetic striking-tools by means of alternating current, Operating. L. Schüler. No. 1,115,251; Oct. 27; Gaz. vol. 207; p. 1133.
- Electromagnetic structure. A. E. Berdon. No. 1,085,721; Feb. 3; Gaz. vol. 199; p. 50.
- Electromagnetic switch. E. R. Carichoff. No. 1,084,396; Jan. 13; Gaz. vol. 198; p. 407.
- Electromagnetic switch. A. H. Caven. No. 1,111,215; Sept. 22; Gaz. vol. 206; p. 957.
- Electromagnetic switch. E. J. Murphy. No. 1,109,245; Sept. 1; Gaz. vol. 206; p. 138.
- Electromagnetic switch. W. M. Scott. No. 1,097,679; May 26; Gaz. vol. 202; p. 982.
- Electromagnetic switch. W. M. Scott. No. 1,097,680; May 26; Gaz. vol. 202; p. 983.
- Electromagnetic switch, Alternating-current. A. Sundh. No. 1,105,311; July 28; Gaz. vol. 204; p. 1208.
- Electromagnetic switch, Automatic. C. Benton. No. 1,092,969; Apr. 14; Gaz. vol. 201; p. 325.
- Electromagnetic tachometer. N. M. Hopkins. No. 1,093,271; Apr. 14; Gaz. vol. 201; p. 429.
- Electromagnetic-wave energy, Station for the transmission and reception of. R. Pfund. No. 1,116,111; Nov. 3; Gaz. vol. 208; p. 221.
- Electromechanical switch. R. R. Miller. No. 1,106,576; Aug. 11; Gaz. vol. 205; p. 391.
- Electrometallurgical products, Treating. F. J. Tone. No. 1,099,674; June 9; Gaz. vol. 203; p. 491.
- Electrometric appliance. W. Jandus. No. 1,107,670; Aug. 18; Gaz. vol. 205; p. 823.
- Electromotor. B. F. Hutches. No. 1,116,705; Nov. 10; Gaz. vol. 208; p. 471.
- Electron-discharge apparatus. A. W. Hull. No. 1,114,697; Oct. 20; Gaz. vol. 207; p. 881.
- Electroplating and the like, Apparatus for. A. Murphy. No. 1,105,292; July 28; Gaz. vol. 204; p. 1201.
- Electroplating apparatus. J. T. Daniels. No. 1,108,145; Aug. 25; Gaz. vol. 205; p. 1036.
- Electroplating apparatus. G. A. Lutz. No. 1,090,926; Mar. 24; Gaz. vol. 200; p. 894.
- Electroplating apparatus. E. B. Stone. No. 1,108,410; Aug. 25; Gaz. vol. 205; p. 1127.
- Electroplating apparatus, Rotary. C. J. Charlton. No. 1,093,384; Apr. 14; Gaz. vol. 201; p. 468.
- Electroplating-rack. C. E. and J. D. Leffel. No. 1,085,744; Feb. 3; Gaz. vol. 199; p. 59.
- Electroplating-tanks, Hood for. C. E. Leffel. No. 1,085,742; Feb. 3; Gaz. vol. 199; p. 58.
- Electropneumatic brake. W. V. Turner. No. 1,087,997; Feb. 24; Gaz. vol. 199; p. 984.
- Electropneumatic brake. W. V. Turner. No. 1,107,381; Aug. 18; Gaz. vol. 205; p. 719.
- Electropneumatic control apparatus. W. M. Scott. No. 1,096,061; May 12; Gaz. vol. 202; p. 338.
- Electrostatic separator. H. Comstock. No. 1,110,896; Sept. 15; Gaz. vol. 206; p. 805.
- Electrotype-casts and type-forms, Apparatus for cleaning. E. C. Williams. No. 1,115,994; Nov. 3; Gaz. vol. 208; p. 180.
- Electrotype-rectifying machine. W. W. McCarroll. No. 1,112,544; Oct. 6; Gaz. vol. 207; p. 47.
- Electrotype-trimming machine. W. H. Wohlberg. No. 1,086,878; Feb. 10; Gaz. vol. 199; p. 500.
- Electrotypes, Machine for rectifying. W. W. McCarroll. No. 1,109,855; Sept. 8; Gaz. vol. 206; p. 393.
- Electrotypes, Machine for rectifying. W. W. McCarroll. No. 1,109,856; Sept. 8; Gaz. vol. 206; p. 394.
- Electrotyping, Apparatus for applying a conductive coating to the surface of a mold used in. G. E. Dunton. No. 1,111,442; Sept. 22; Gaz. vol. 206; p. 1034.
- Electrotyping, Applying a conductive coating to the surface of a mold used in. G. E. Dunton. No. 1,111,443; Sept. 22; Gaz. vol. 206; p. 1034.
- Electrotyping-furnace. G. E. Dunton. No. 1,112,993; Oct. 6; Gaz. vol. 207; p. 202.
- Electrotyping, Treating molds used in. G. E. Dunton. No. 1,111,444; Sept. 22; Gaz. vol. 206; p. 1034.
- Electrotyping, Treating molds used in. G. E. Dunton. No. 1,111,445; Sept. 22; Gaz. vol. 206; p. 1035.
- Electrotyping, Treating wax for use in the art of. G. E. Dunton. No. 1,099,492; June 9; Gaz. vol. 203; p. 428.
- Elevated carrier. A. D. Hadsel. No. 1,086,912; Feb. 10; Gaz. vol. 199; p. 510.
- Elevated carrier. F. L. Putman. No. 1,089,264; Mar. 3; Gaz. vol. 200; p. 202.
- Elevated carriers, Automatic lock for. E. C. Gipe. No. 1,087,653; Feb. 17; Gaz. vol. 199; p. 820.
- Elevating and discharging apparatus. M. Noelle. No. 1,103,616; July 14; Gaz. vol. 204; p. 532.
- Elevating and dumping apparatus. J. C. Walter. No. 1,120,869; Dec. 15; Gaz. vol. 209; p. 769.
- Elevating apparatus. F. H. and F. H. Brown. No. 1,095,077; Apr. 28; Gaz. vol. 201; p. 1143.
- Elevating apparatus. J. H. and A. E. Gilman. No. 1,089,125; Mar. 3; Gaz. vol. 200; p. 156.
- Elevating-chair. R. R. Shorer. No. 1,088,464; Feb. 24; Gaz. vol. 199; p. 1143.
- Elevating device. L. J. Evans. No. 1,120,703; Dec. 15; Gaz. vol. 209; p. 710.
- Elevating-machine. T. Wright. No. 1,118,169; Nov. 24; Gaz. vol. 208; p. 1061.
- Elevating means. J. W. Troy. No. 1,115,750; Nov. 3; Gaz. vol. 208; p. 96.
- Elevating-rod-actuating device. W. W. and J. W. Gourlay. No. 1,117,661; Nov. 17; Gaz. vol. 208; p. 845.
- Elevator: See Assembling-elevator; Binder-elevator; Building-material elevator; Casing-elevator; Compressed-air elevator; Earth-elevator; Electric elevator; Electrically-controlled elevator; Ensilage-elevator; Foot-operated elevator; Grain-elevator; Hand-elevator; Hay or grain elevator; Hollow-screw elevator; Hydraulic elevator; Oil and water elevator; Plunger-elevator; Portable elevator; Rope-drive elevator; Safety-elevator; Step-by-step elevator; Sucker-rod elevator; Suction-elevator; Toy elevator; Traction-elevator; Tray-elevator; Vehicle-elevator; Water-elevator.
- Elevator. A. T. Adams. No. 1,114,424; Oct. 20; Gaz. vol. 207; p. 788.
- Elevator. A. T. Adams. No. 1,114,425; Oct. 20; Gaz. vol. 207; p. 788.
- Elevator. A. T. Adams. No. 1,117,619; Nov. 17; Gaz. vol. 208; p. 829.
- Elevator. M. F. Behrend. No. 1,088,395; Feb. 24; Gaz. vol. 199; p. 1120.
- Elevator. E. H. Grantham and J. B. Cornwall. No. 1,088,564; Feb. 24; Gaz. vol. 199; p. 1174.
- Elevator. A. Hankey. No. 1,093,929; Apr. 21; Gaz. vol. 201; p. 690.
- Elevator. F. W. Harjes. No. 1,109,062; Sept. 1; Gaz. vol. 206; p. 73.
- Elevator. E. S. Matthews. No. 1,109,853; Sept. 8; Gaz. vol. 206; p. 392.
- Elevator. M. E. Neenan. No. 1,103,613; July 14; Gaz. vol. 204; p. 531.
- Elevator. C. O. Pearson. No. 1,114,180; Oct. 20; Gaz. vol. 207; p. 702.
- Elevator. R. B. Renner. No. 1,086,398; Feb. 10; Gaz. vol. 199; p. 330.
- Elevator. J. H. Rupp. No. 1,116,129; Nov. 3; Gaz. vol. 208; p. 227.
- Elevator. M. C. Schwab. No. 1,098,845; June 2; Gaz. vol. 203; p. 165.
- Elevator. E. H. Zimmerman. No. 1,090,670; Mar. 17; Gaz. vol. 200; p. 777.
- Elevator and conveyer, Combined. C. E. McCay. No. 1,121,742; Dec. 22; Gaz. vol. 209; p. 1109.
- Elevator automatic stop. W. Thorson. No. 1,084,505; Jan. 13; Gaz. vol. 198; p. 440.
- Elevator-brake. F. H. Thurber. No. 1,088,744; Mar. 3; Gaz. vol. 200; p. 25.
- Elevator brake apparatus, Traction-. D. L. Lindquist. A. C. Smith, and G. John. No. 1,102,523; July 7; Gaz. vol. 204; p. 105.
- Elevator-bucket chain. O. B. Finn. No. 1,098,564; June 2; Gaz. vol. 203; p. 73.
- Elevator-car motors, Transmission for. A. G. Björkström. No. 1,113,744; Oct. 13; Gaz. vol. 207; p. 508.
- Elevator-car safety appliance. C. Schenck. No. 1,090,170; Mar. 17; Gaz. vol. 200; p. 602.
- Elevator cars and doors, Safety device for. R. F. Le Brocq. No. 1,120,724; Dec. 15; Gaz. vol. 209; p. 718.
- Elevator control system. J. C. Smith. No. 1,109,707; Sept. 8; Gaz. vol. 206; p. 342.
- Elevator-controller. C. W. Wheeler. No. 1,112,745; Oct. 6; Gaz. vol. 207; p. 119.
- Elevator-controlling device. W. E. Brown. No. 1,095,114; Apr. 28; Gaz. vol. 201; p. 1154.
- Elevator-door check, Automatic. A. C. Preble. No. 1,102,799; July 7; Gaz. vol. 204; p. 201.
- Elevator-door-controlling means. H. G. Voight. No. 1,108,481; Aug. 25; Gaz. vol. 205; p. 1152.
- Elevator-door lock. A. M. Coyle. No. 1,102,477; July 7; Gaz. vol. 204; p. 90.
- Elevator-door lock. M. Gilmore. No. 1,116,410; Nov. 10; Gaz. vol. 208; p. 362.
- Elevator-door-operating apparatus. T. A. Holloran. No. 1,112,009; Sept. 29; Gaz. vol. 206; p. 1267.
- Elevator-door safety device. E. M. Frasier. No. 1,106,294; Aug. 4; Gaz. vol. 205; p. 243.
- Elevator-driving mechanism. M. E. Neenan. No. 1,083,695; Jan. 6; Gaz. vol. 198; p. 145.
- Elevator electric signaling device. F. S. Payne. No. 1,108,782; Aug. 25; Gaz. vol. 205; p. 1254.
- Elevator-guide lubricator. O. Berger. No. 1,102,641; July 7; Gaz. vol. 204; p. 148.
- Elevator-guide-rail lubricator. C. S. Le Baron. No. 1,118,295; Nov. 24; Gaz. vol. 208; p. 1104.
- Elevator-guide-rail lubricator. L. Schultheis. No. 1,105,929; Aug. 4; Gaz. vol. 205; p. 120.
- Elevator-head. G. J. Bickhart. No. 1,107,882; Aug. 18; Gaz. vol. 205; p. 896.

Alphabetical list of inventions—Continued.

- Elevator hopper, Grain-. J. V. Cizek. No. 1,092,093; Mar. 31; Gaz. vol. 200; p. 1335.
- Elevator-indicator. F. A. Boedtscher. No. 1,089,310; Mar. 3; Gaz. vol. 200; p. 216.
- Elevator-lock. L. P. Winner. No. 1,084,994; Jan. 20; Gaz. vol. 198; p. 637.
- Elevator plant, Automatic. C. O. Pearson and A. Sundh. No. 1,085,937; Feb. 3; Gaz. vol. 199; p. 127.
- Elevator safety appliance. J. A. Butkus. No. 1,084,726; Jan. 20; Gaz. vol. 198; p. 547.
- Elevator safety appliance. J. Munkacsy. No. 1,117,887; Nov. 17; Gaz. vol. 208; p. 924.
- Elevator safety appliance. J. Munkacsy. No. 1,117,888; Nov. 17; Gaz. vol. 208; p. 924.
- Elevator safety-catch. S. H. Dolph. No. 1,108,723; Aug. 25; Gaz. vol. 205; p. 1236.
- Elevator-safety, Controllable. C. B. Isner. No. 1,118,776; Nov. 24; Gaz. vol. 208; p. 1273.
- Elevator safety device. A. M. Coyle. No. 1,102,246; July 7; Gaz. vol. 204; p. 9.
- Elevator safety device. R. Freer and S. Greer. No. 1,122,497; Dec. 29; Gaz. vol. 209; p. 1407.
- Elevator safety device. W. Friman. No. 1,108,355; Aug. 25; Gaz. vol. 205; p. 1108.
- Elevator safety device. J. Gehman. No. 1,109,412; Sept. 1; Gaz. vol. 206; p. 198.
- Elevator safety device. L. E. Hawk. No. 1,106,379; Aug. 11; Gaz. vol. 205; p. 318.
- Elevator safety device. W. Jaskiewicz. No. 1,121,729; Dec. 22; Gaz. vol. 209; p. 1105.
- Elevator safety device. W. Keating. No. 1,099,181; June 9; Gaz. vol. 203; p. 321.
- Elevator safety device. R. L. Taylor. No. 1,087,560; Feb. 17; Gaz. vol. 199; p. 786.
- Elevator safety device. I. W. Throckmorton. No. 1,118,162; Nov. 24; Gaz. vol. 208; p. 1058.
- Elevator safety devices, Actuating mechanism for. H. F. Gurney and W. M. Cumiskey. No. 1,102,264; July 7; Gaz. vol. 204; p. 14.
- Elevator safety-gate. J. F. Hantke. No. 1,107,608; Aug. 18; Gaz. vol. 205; p. 801.
- Elevator-shaft and doors therefor. W. Bardsley. No. 1,095,376; May 5; Gaz. vol. 202; p. 67.
- Elevator-shafts, Safety gate-fastener for. D. G. Alsop. No. 1,084,523; Jan. 13; Gaz. vol. 198; p. 447.
- Elevator-signal. C. A. McIntyre. No. 1,121,649; Dec. 22; Gaz. vol. 209; p. 1076.
- Elevator signal apparatus. J. F. McCarthy. No. 1,097,344; May 19; Gaz. vol. 202; p. 824.
- Elevator signal system or apparatus. H. F. Newburg. No. 1,112,379; Sept. 29; Gaz. vol. 206; p. 1396.
- Elevator signaling and indicating system. W. A. Hoene-man. No. 1,122,752; Dec. 29; Gaz. vol. 209; p. 1496.
- Elevator-stop, Automatic. W. F. Benson. No. 1,118,179; Nov. 24; Gaz. vol. 208; p. 1064.
- Elevator stop devices, Actuating mechanism for. C. R. Whittier. No. 1,123,052; Dec. 29; Gaz. vol. 209; p. 1604.
- Elevator stop mechanism, Hydraulic. K. E. O. Jansson. No. 1,102,587; July 7; Gaz. vol. 204; p. 129.
- Elevator-stops, Actuating mechanism for. A. M. Coyle. No. 1,122,256; Dec. 29; Gaz. vol. 209; p. 1328.
- Elevator system, Electric. E. M. Fraser. No. 1,093,583; Apr. 14; Gaz. vol. 201; p. 529.
- Elevator system, Electric. E. M. Fraser. (Reissue.) No. 13,806; Oct. 13; Gaz. vol. 207; p. 576.
- Elevator-well-door operator and lock. P. G. Westerberg. No. 1,104,591; July 21; Gaz. vol. 204; p. 911.
- Elevator-wrench. G. F. Lebus. No. 1,113,659; Oct. 13; Gaz. vol. 207; p. 477.
- Elevators and hoisting-cages, Safety brake mechanism for. J. Ceserani. No. 1,091,292; Mar. 24; Gaz. vol. 200; p. 1019.
- Elevators and the like, Driving mechanism for. L. Atwood. No. 1,110,248; Sept. 8; Gaz. vol. 206; p. 534.
- Elevators, Automatic circuit-closing device for. C. W. Sauer, Jr. No. 1,090,794; Mar. 17; Gaz. vol. 200; p. 816.
- Elevators, Automatic door opening and closing device for. W. M. Cutter. No. 1,092,633; Apr. 7; Gaz. vol. 201; p. 177.
- Elevators, Automatic gate control for. G. F. and J. W. Pemberton. No. 1,088,172; Feb. 24; Gaz. vol. 199; p. 1044.
- Elevators, Automatic stop or safety device for. J. F. King and J. P. Neary. No. 1,090,918; Mar. 24; Gaz. vol. 200; p. 891.
- Elevators, Combined friction and spur gearing for traction-. A. Sundh. No. 1,085,952; Feb. 3; Gaz. vol. 199; p. 133.
- Elevators, Emergency brake-setting apparatus for. W. G. Canon. No. 1,095,958; May 5; Gaz. vol. 202; p. 265.
- Elevators, Gate-actuating mechanism for. G. W. Carr. No. 1,119,682; Dec. 1; Gaz. vol. 209; p. 269.
- Elevators, Intermediate stop device for pneumatic. G. F. Steedman. No. 1,101,102; June 23; Gaz. vol. 203; p. 1073.
- Elevators, Safety apparatus for. R. W. Beardslee. No. 1,119,001; Dec. 1; Gaz. vol. 209; p. 34.
- Ellipsograph. C. I. Berg. No. 1,116,549; Nov. 10; Gaz. vol. 208; p. 413.
- Elliptical spring. H. A. Hoke. No. 1,101,931; June 30; Gaz. vol. 203; p. 1411.
- Embalming-board. E. M. and H. E. Brown. No. 1,108,326; Aug. 25; Gaz. vol. 205; p. 1099.
- Embalming-board. C. B. Dolge. No. 1,109,406; Sept. 1; Gaz. vol. 206; p. 196.
- Embalming instrument. R. C. Conine. No. 1,112,982; Oct. 6; Gaz. vol. 207; p. 199.
- Emblem. W. H. Kluge. No. 1,103,422; July 14; Gaz. vol. 204; p. 463.
- Emblem-ring. J. A. Schrink. No. 1,091,539; Mar. 31; Gaz. vol. 200; p. 1146.
- Embossed surfaces, Producing. W. L. Jacobs and A. D. Brewer. No. 1,084,742; Jan. 20; Gaz. vol. 198; p. 553.
- Embossing and printing press. E. M. Lockwood. No. 1,102,770; July 7; Gaz. vol. 204; p. 192.
- Embossing apparatus. M. Verbeyst. No. 1,093,664; Apr. 21; Gaz. vol. 201; p. 601.
- Embossing-die, Multiple. E. D. Sherlock and G. W. Van Nortwick. No. 1,085,998; Feb. 3; Gaz. vol. 199; p. 150.
- Embossing-dies, Mounting-block for. H. E. Van Doren. No. 1,112,578; Oct. 6; Gaz. vol. 207; p. 60.
- Embossing-machine. J. McLaurin. No. 1,114,620; Oct. 20; Gaz. vol. 207; p. 854.
- Embossing-machine. W. B. Wait. No. 1,111,334; Sept. 22; Gaz. vol. 206; p. 997.
- Embossing-plates, Manufacturing. H. P. Thompson. No. 1,086,484; Feb. 10; Gaz. vol. 199; p. 361.
- Embossing-press. G. E. Panoast. No. 1,106,473; Aug. 11; Gaz. vol. 205; p. 353.
- Embroideries, Cutting-out machine for. J. Grob and C. Keller. No. 1,085,979; Feb. 3; Gaz. vol. 199; p. 143.
- Embroideries, Machine for cutting. M. Schoenfeld. No. 1,094,821; Apr. 28; Gaz. vol. 201; p. 1056.
- Embroidering-machine. M. Hemleb. No. 1,102,405; July 7; Gaz. vol. 204; p. 65.
- Embroidering-machine. K. Keller and L. Hunkemöller. No. 1,089,059; Mar. 3; Gaz. vol. 200; p. 131.
- Embroidering-machine. J. J. Knecht. No. 1,120,722; Dec. 15; Gaz. vol. 209; p. 717.
- Embroidering-machine. B. Saner. No. 1,100,152; June 16; Gaz. vol. 203; p. 693.
- Embroidering-machine. O. Walther. No. 1,106,429; Aug. 11; Gaz. vol. 205; p. 335.
- Embroidering-machine. R. Zahn. No. 1,101,608; June 30; Gaz. vol. 203; p. 1300.
- Embroidering-machine. R. Zahn. No. 1,105,233; July 28; Gaz. vol. 204; p. 1181.
- Embroidering-machine. R. Zahn. No. 1,117,743; Nov. 17; Gaz. vol. 208; p. 875.
- Embroidering-machine. R. Zahn. No. 1,118,612; Nov. 24; Gaz. vol. 208; p. 1218.
- Embroidering-machine, Automatic shuttle. R. Zahn. No. 1,094,510; Apr. 28; Gaz. vol. 201; p. 944.
- Embroidering-machine fabric-holder. O. Meyer. No. 1,101,138; June 23; Gaz. vol. 203; p. 1087.
- Embroidering-machine, Jacquard. R. Zahn. No. 1,090,898; Mar. 24; Gaz. vol. 200; p. 884.
- Embroidering-machine, Shuttle. J. Groetschel. No. 1,112,131; Sept. 29; Gaz. vol. 206; p. 1308.
- Embroidering-machine, Shuttle. R. Zahn. No. 1,085,834; Feb. 3; Gaz. vol. 199; p. 91.
- Embroidering-machine take-up mechanism. R. Zahn. No. 1,108,418; Aug. 25; Gaz. vol. 205; p. 1129.
- Embroidering-machines, Boring apparatus for. F. W. Läs-sig. No. 1,107,622; Aug. 18; Gaz. vol. 205; p. 806.
- Embroidering-machines, Cloth-reeling device for. J. A. Groebli. No. 1,116,693; Nov. 10; Gaz. vol. 208; p. 466.
- Embroidering-machines, Counterbalancing mechanism for. M. Schoenfeld. No. 1,086,471; Feb. 10; Gaz. vol. 199; p. 357.
- Embroidering-machines, Device for holding threads in. M. Schoenfeld. No. 1,110,405; Sept. 15; Gaz. vol. 206; p. 630.
- Embroidering-machines, Elevating device for use with. M. Schoenfeld. No. 1,086,469; Feb. 10; Gaz. vol. 199; p. 356.
- Embroidering-machines, Fabric-winding device for. R. Zahn. No. 1,093,753; Apr. 21; Gaz. vol. 201; p. 631.
- Embroidering-machines, Jacquard mechanism for. R. Zahn. No. 1,118,388; Nov. 24; Gaz. vol. 208; p. 1139.
- Embroidering-machines, Shuttle mechanism for. M. Schoenfeld. No. 1,084,904; Jan. 20; Gaz. vol. 198; p. 606.
- Embroidering-machines, Take-up-controlling means for. R. Zahn. No. 1,085,187; Jan. 27; Gaz. vol. 198; p. 740.
- Embroidering-machines, Take-up-controlling means for. R. Zahn. No. 1,101,002; June 23; Gaz. vol. 203; p. 1039.
- Embroidering-machines, Tension-controlling means for. R. Zahn. No. 1,094,044; Apr. 21; Gaz. vol. 201; p. 707.
- Embroidering-machines, Thread-cutting mechanism for. M. Schoenfeld. No. 1,107,711; Aug. 18; Gaz. vol. 205; p. 837.
- Embroidering-machines, Thread-holding device for. M. Schoenfeld. No. 1,086,470; Feb. 10; Gaz. vol. 199; p. 357.
- Embroidery-cutting device. J. Wolter and A. Belz. No. 1,087,479; Feb. 17; Gaz. vol. 199; p. 758.
- Embroidery-foot attachment. J. H. Pettit. No. 1,102,433; July 7; Gaz. vol. 204; p. 75.

Alphabetical list of inventions—Continued.

- Embroidery-frame. H. A. Austin. No. 1,120,357; Dec. 8; Gaz. vol. 209; p. 540.
- Embroidery-frame. A. Rominger. No. 1,116,740; Nov. 10; Gaz. vol. 208; p. 482.
- Embroidery-frame. C. Schoen. No. 1,088,301; Feb. 24; Gaz. vol. 199; p. 1088.
- Embroidery-frame and support therefor. M. Ross. No. 1,110,349; Sept. 15; Gaz. vol. 206; p. 611.
- Embroidery-frame, Shuttle-machine. H. Hochreutener. No. 1,087,766; Feb. 17; Gaz. vol. 199; p. 857.
- Embroidery-hoop. F. C. Haidet. No. 1,121,920; Dec. 22; Gaz. vol. 209; p. 1172.
- Embroidery-hoop. F. P. Huyck. No. 1,098,442; June 2; Gaz. vol. 203; p. 30.
- Embroidery-hoop. J. G. MacCune. No. 1,088,913; Mar. 3; Gaz. vol. 200; p. 82.
- Embroidery-machine. G. von Horváth. No. 1,087,374; Feb. 17; Gaz. vol. 199; p. 720.
- Embroidery-machine. J. Krusi. No. 1,089,418; Mar. 10; Gaz. vol. 200; p. 301.
- Embroidery, Machine for cutting fabric along the edge of. E. Schelling. No. 1,087,834; Feb. 17; Gaz. vol. 199; p. 880.
- Embroidery-machine, Jacquard. K. Eggart. No. 1,101,263; June 23; Gaz. vol. 203; p. 1129.
- Embroidery-machine, Jacquard. K. Eggart. No. 1,118,115; Nov. 24; Gaz. vol. 208; p. 1044.
- Embroidery-machine jacquard apparatus. V. Kobler. No. 1,107,674; Aug. 18; Gaz. vol. 205; p. 825.
- Embroidery-machines and the like, Machine for punching jacquard-cards for. C. Moriggl. No. 1,104,536; July 21; Gaz. vol. 204; p. 892.
- Embroidery-seam, Circular. M. Druckerman. No. 1,083,601; Jan. 6; Gaz. vol. 198; p. 113.
- Embroidery-seam, Circular. M. Druckerman. No. 1,083,602; Jan. 6; Gaz. vol. 198; p. 114.
- Embroidery-stitches, Forming. R. Loeb. No. 1,086,190; Feb. 3; Gaz. vol. 199; p. 216.
- Embroidery-stitching mechanism. J. Fink. No. 1,095,199; May 5; Gaz. vol. 202; p. 9.
- Embroidery-trimming apparatus. F. Price. No. 1,102,544; July 7; Gaz. vol. 204; p. 113.
- Emergency-bolt. A. A. Page. No. 1,094,677; Apr. 28; Gaz. vol. 201; p. 1004.
- Emergency-brake. L. K. Anderson. No. 1,117,753; Nov. 17; Gaz. vol. 208; p. 879.
- Emergency-brake. C. H. Davis. No. 1,120,796; Dec. 15; Gaz. vol. 209; p. 743.
- Emergency-brake. K. Haas. No. 1,096,167; May 12; Gaz. vol. 202; p. 374.
- Emergency-brake. J. W. O'Connor. No. 1,122,532; Dec. 29; Gaz. vol. 209; p. 1420.
- Emergency-brake. W. J. Ryan. No. 1,100,623; June 16; Gaz. vol. 203; p. 853.
- Emergency-brake, High-pressure. W. V. Turner. No. 1,104,850; July 28; Gaz. vol. 204; p. 1048.
- Emergency mechanism for prime movers. W. L. R. Emmet. No. 1,095,563; May 5; Gaz. vol. 202; p. 134.
- Emergency unit. H. Cave. No. 1,095,450; May 5; Gaz. vol. 202; p. 94.
- Emery-wheel safety-guard. G. J. Willett. No. 1,116,658; Nov. 10; Gaz. vol. 208; p. 454.
- Emulsion, Flavoring. S. L. Ames. No. 1,097,607; May 26; Gaz. vol. 202; p. 957.
- Emulsion-mixing device. W. G. Schröder. No. 1,097,474; May 19; Gaz. vol. 202; p. 868.
- Emulsion products and producing them. L. Berend. No. 1,107,020; Aug. 11; Gaz. vol. 205; p. 543.
- Emulsion, Whey. W. S. Downham. No. 1,085,380; Jan. 27; Gaz. vol. 198; p. 808.
- Enamel. H. G. Essayan. No. 1,091,492; Mar. 31; Gaz. vol. 200; p. 1130.
- Enamel composition. P. Eyer. No. 1,118,898; Nov. 24; Gaz. vol. 208; p. 1314.
- Enamel, Composition for producing speckled. C. A. W. Vollrath. No. 1,119,905; Dec. 8; Gaz. vol. 209; p. 381.
- Enamel lacquer or varnish. J. W. Aylsworth. No. 1,098,608; June 2; Gaz. vol. 203; p. 87.
- Enamel lacquer or varnish composition. J. W. Aylsworth. No. 1,102,632; July 7; Gaz. vol. 204; p. 145.
- Enamel, Producing an opaquing agent for white. I. Kreidl. (Reissue.) No. 13,791; Aug. 25; Gaz. vol. 205; p. 1291.
- Enamel, White. I. Kreidl. No. 1,117,197; Nov. 17; Gaz. vol. 208; p. 682.
- Enamels and making them. M. Mayer and B. Havas. No. 1,104,266; July 21; Gaz. vol. 204; p. 796.
- Enamels and producing the same, Cloudening agent for producing cloudening effects in white. I. Kreidl. No. 1,101,455; June 23; Gaz. vol. 203; p. 1194.
- Enameling composition. I. Kreidl. No. 1,104,679; July 21; Gaz. vol. 204; p. 940.
- End-gate. H. L. Bisbing. No. 1,110,740; Sept. 15; Gaz. vol. 206; p. 749.
- End-gate. G. Cullen. No. 1,097,395; May 19; Gaz. vol. 202; p. 842.
- End-gate. A. L. Nicholson. No. 1,095,665; May 5; Gaz. vol. 202; p. 168.
- End-gate. J. L. Sibley. No. 1,098,182; May 26; Gaz. vol. 202; p. 1159.
- End-gate. G. M. Van Patten. No. 1,093,218; Apr. 14; Gaz. vol. 201; p. 410.
- End-gate, Adjustable wagon. C. Crawford. No. 1,101,836; June 30; Gaz. vol. 203; p. 1377.
- End-gate and shoveling-board, Combined. J. A. Morling. No. 1,120,734; Dec. 15; Gaz. vol. 209; p. 721.
- End-gate fastener. G. T. Nichols. No. 1,110,339; Sept. 15; Gaz. vol. 206; p. 607.
- End-gate fastener. G. T. Nichols. No. 1,118,145; Nov. 24; Gaz. vol. 208; p. 1053.
- End-gate for lumber-wagons. J. C. Feaster. No. 1,104,645; July 21; Gaz. vol. 204; p. 928.
- End-gate-locking device. M. Tureck. No. 1,097,828; May 26; Gaz. vol. 202; p. 1036.
- End-gate, Wagon. L. L. Amspacker. No. 1,093,963; Apr. 21; Gaz. vol. 201; p. 701.
- End-gate, Wagon. J. H. Koebel. No. 1,098,450; June 2; Gaz. vol. 203; p. 33.
- End-gate, Wagon. W. I. Riggs. No. 1,122,644; Dec. 29; Gaz. vol. 209; p. 1459.
- End-matcher. W. S. Sherman. No. 1,091,772; Mar. 31; Gaz. vol. 200; p. 1226.
- End-matcher. W. S. Sherman. No. 1,091,773; Mar. 31; Gaz. vol. 200; p. 1227.
- End-matcher. W. S. Sherman. No. 1,102,694; July 7; Gaz. vol. 204; p. 164.
- End-matching machine. D. M. Rose. No. 1,095,234; May 5; Gaz. vol. 202; p. 21.
- Energy-absorber. J. E. Englessen. No. 1,090,100; Mar. 10; Gaz. vol. 200; p. 537.
- Energy-transforming apparatus. P. W. Kane. No. 1,116,293; Nov. 3; Gaz. vol. 208; p. 280.
- Engine: See Aeroplane-engine; Beating-engine; Beating and refining engine; Carding-engine; Combustion-engine; Cycle-engine; Direct-acting engine; Explosion-engine; Explosive-engine; Fluid-pressure engine; Gas-engine; Gas and gasoline engine; Gas turbine-engine; Gasoline-engine; Gasoline traction-engine; Headlight-engine; Heat-engine; Hydrocarbon-engine; Injection-engine; Internal-combustion engine; Internal-combustion and portable hot-air engine; Internal-combustion rotary engine; Internally-fired engine; Locomotive-engine; Logging-engine; Multiple-cylinder expansive-type engine; Multiple-power engine; Oil-engine; Oscillating engine; Piston-engine; Reciprocating engine; Rotary engine; Rotary combustion-engine; Rotary-cylinder engine; Rotary expansion-engine; Rotary explosive-engine; Rotary gas-engine; Rotary hydrocarbon-engine; Rotary inclosed engine; Rotary internal-combustion engine; Rotary reversible engine; Rotary steam-engine; Steam-engine; Steering-engine; Traction-engine; Two-cycle engine; Vapor and liquid actuated engine; Water and wind engine.
- Engine. G. Brantingham. No. 1,116,232; Nov. 3; Gaz. vol. 208; p. 262.
- Engine. V. L. Capwell. No. 1,117,974; Nov. 24; Gaz. vol. 208; p. 993.
- Engine. C. H. Foster. No. 1,120,803; Dec. 15; Gaz. vol. 209; p. 745.
- Engine. J. K. Gunn. No. 1,112,287; Sept. 29; Gaz. vol. 206; p. 1363.
- Engine. W. S. Harley. No. 1,097,315; May 19; Gaz. vol. 202; p. 814.
- Engine. J. Harrington. No. 1,100,974; June 23; Gaz. vol. 203; p. 1030.
- Engine. E. C. Henderson. No. 1,094,329; Apr. 21; Gaz. vol. 201; p. 820.
- Engine. F. Henneböhle. No. 1,086,047; Feb. 3; Gaz. vol. 199; p. 168.
- Engine. R. Hunter. No. 1,097,548; May 19; Gaz. vol. 202; p. 892.
- Engine. G. H. Kaemmerling. No. 1,089,711; Mar. 10; Gaz. vol. 200; p. 402.
- Engine. W. W. Moore. No. 1,121,114; Dec. 15; Gaz. vol. 209; p. 857.
- Engine. H. W. F. Niekrantz. No. 1,098,522; June 2; Gaz. vol. 203; p. 58.
- Engine. L. W. Noyes. No. 1,086,845; Feb. 10; Gaz. vol. 199; p. 489.
- Engine. F. O. Peterson. No. 1,105,298; July 28; Gaz. vol. 204; p. 1204.
- Engine. G. Prochazka. No. 1,102,952; July 7; Gaz. vol. 204; p. 252.
- Engine. J. H. Richardson. No. 1,090,650; Mar. 17; Gaz. vol. 200; p. 770.
- Engine. W. Schmidt. No. 1,092,543; Apr. 7; Gaz. vol. 201; p. 144.
- Engine. L. Schwitzer. No. 1,113,058; Oct. 6; Gaz. vol. 207; p. 223.
- Engine. E. L. Seery. No. 1,107,853; Aug. 18; Gaz. vol. 205; p. 887.
- Engine. S. D. Shakley. No. 1,120,248; Dec. 8; Gaz. vol. 209; p. 501.
- Engine. K. Steinbecker. No. 1,119,658; Dec. 1; Gaz. vol. 209; p. 261.
- Engine. M. Tibbetts. No. 1,113,510; Oct. 13; Gaz. vol. 207; p. 427.
- Engine. J. H. Towery. No. 1,103,634; July 14; Gaz. vol. 204; p. 539.

Alphabetical list of inventions—Continued.

- Engine. J. A. Vail and E. O. Powers. No. 1,090,249; Mar. 17; Gaz. vol. 200; p. 631.
- Engine. L. Wygodsky. No. 1,114,217; Oct. 20; Gaz. vol. 207; p. 715.
- Engine-accelerator, Automobile. H. E. Strohecker. No. 1,097,566; May 19; Gaz. vol. 202; p. 898.
- Engine, Air-inlet device for the manifold of an. L. H. Kirby. No. 1,093,701; Apr. 21; Gaz. vol. 201; p. 615.
- Engine, air-pump, &c. F. W. Machlet. No. 1,119,972; Dec. 8; Gaz. vol. 209; p. 404.
- Engine and transmission unit. E. A. Nelson. No. 1,091,951; Mar. 31; Gaz. vol. 200; p. 1289.
- Engine attachment, Explosive-. L. Papenbrok. No. 1,115,967; Nov. 3; Gaz. vol. 208; p. 171.
- Engine automatic starter, Combustion-. A. F. Osterlind. No. 1,100,697; June 16; Gaz. vol. 203; p. 876.
- Engine boiler, Traction-. T. J. Brown. No. 1,097,523; May 19; Gaz. vol. 202; p. 884.
- Engine-casing. F. L. and C. S. Jacobs. No. 1,113,124; Oct. 6; Gaz. vol. 207; p. 245.
- Engine construction. C. H. Bartlett. No. 1,105,604; Aug. 4; Gaz. vol. 205; p. 5.
- Engine-controlling apparatus. A. Esplen. No. 1,095,146; Apr. 28; Gaz. vol. 201; p. 1166.
- Engine-controlling apparatus, Hoisting-. C. R. Welch. No. 1,108,044; Aug. 18; Gaz. vol. 205; p. 952.
- Engine-controlling mechanism, Internal-combustion-. W. E. Ver Planck. No. 1,094,406; Apr. 21; Gaz. vol. 201; p. 847.
- Engine-cooling and car-heating system. W. E. Ver Planck and H. G. Chatain. No. 1,118,601; Nov. 24; Gaz. vol. 208; p. 1215.
- Engine-cooling device, Explosive-. P. D. Davis and E. M. Paxson. No. 1,090,288; Mar. 17; Gaz. vol. 200; p. 644.
- Engine-cooling device, Internal-combustion-. L. W. Coppock. No. 1,111,526; Sept. 22; Gaz. vol. 206; p. 1063.
- Engine-cooling medium, Internal-combustion-. J. N. McCoy. No. 1,102,777; July 7; Gaz. vol. 204; p. 194.
- Engine-cooling system. J. K. Barlow and G. W. Humphrey. No. 1,099,684; June 9; Gaz. vol. 203; p. 495.
- Engine-cooling system. H. G. Chatain and W. E. Ver Planck. No. 1,117,976; Nov. 24; Gaz. vol. 208; p. 995.
- Engine coupling, Traction-. M. R. Cowell. No. 1,103,868; July 14; Gaz. vol. 204; p. 619.
- Engine-crank. C. J. Englert. No. 1,100,361; June 16; Gaz. vol. 203; p. 765.
- Engine crank-case, Combustion-. J. G. Utz. No. 1,114,554; Oct. 20; Gaz. vol. 207; p. 834.
- Engine-cranking device, Internal-combustion-. C. A. Bartlog. No. 1,086,012; Feb. 3; Gaz. vol. 199; p. 155.
- Engine-cranking device, Internal-combustion-. C. A. Bartlog. No. 1,096,347; May 12; Gaz. vol. 202; p. 438.
- Engine-cylinder. H. E. Derbyshire. No. 1,094,199; Apr. 21; Gaz. vol. 201; p. 780.
- Engine-cylinder. A. W. Gustafson. No. 1,105,423; July 28; Gaz. vol. 204; p. 1250.
- Engine cylinder, Combustion-. K. Hiehle. No. 1,087,492; Feb. 17; Gaz. vol. 199; p. 762.
- Engine cylinder-head, Gas-. E. S. McClelland and W. A. Bole. No. 1,083,454; Jan. 6; Gaz. vol. 198; p. 66.
- Engine cylinder-head, Internal-combustion-. K. J. E. Hesselman. No. 1,107,946; Aug. 18; Gaz. vol. 205; p. 917.
- Engine-cylinders, Making. M. Fischer. No. 1,113,543; Oct. 13; Gaz. vol. 207; p. 441.
- Engine-cylinders, Making. M. Fischer. No. 1,117,653; Nov. 17; Gaz. vol. 208; p. 842.
- Engine-cylinders, Means for controlling the passage of explosive mixture to the. T. N. Jones. No. 1,087,495; Feb. 17; Gaz. vol. 199; p. 763.
- Engine-cylinders, Means for lubricating. F. Ellicott. No. 1,103,354; July 14; Gaz. vol. 204; p. 441.
- Engine distributing apparatus. L. Saussard. No. 1,106,243; Aug. 4; Gaz. vol. 205; p. 227.
- Engine driving mechanism, Carding-. A. H. Morton. No. 1,088,087; Feb. 24; Gaz. vol. 199; p. 1016.
- Engine exhaust-silencer. H. P. Maxim. No. 1,115,853; Nov. 3; Gaz. vol. 208; p. 131.
- Engine fuel-governing mechanism, Internal-combustion-. A. Winton. No. 1,106,326; Aug. 4; Gaz. vol. 205; p. 255.
- Engine fuel, Humidifier for internal-combustion-. G. E. Barksdale. No. 1,119,487; Dec. 1; Gaz. vol. 209; p. 202.
- Engine fuel-supply system and starter, Explosive-. B. F. Lowry. No. 1,120,828; Dec. 15; Gaz. vol. 209; p. 754.
- Engine-gangs, Key-operated actuating mechanism for. E. E. McClure and A. J. Wolff. No. 1,102,419; July 7; Gaz. vol. 204; p. 70.
- Engine generator sets, Automatic starting mechanism for internal-combustion-. H. O. Westendarp. No. 1,112,244; Sept. 29; Gaz. vol. 206; p. 1349.
- Engine guiding and starting apparatus combined, Gas-. J. A. Heany. No. 1,117,378; Nov. 17; Gaz. vol. 208; p. 746.
- Engine heater, Internal-combustion-. F. J. C. F. Knaak. No. 1,107,967; Aug. 18; Gaz. vol. 205; p. 924.
- Engine-hood fastener. L. Feagan. No. 1,113,320; Oct. 13; Gaz. vol. 207; p. 359.
- Engine-hood lock. W. Ballou. No. 1,102,229; July 7; Gaz. vol. 204; p. 3.
- Engine igniter, Explosive-. R. D. Gordon and L. O. Hudson. No. 1,109,829; Sept. 8; Gaz. vol. 206; p. 383.
- Engine igniters, Short-circuiting attachment for gas-. C. M. Weeks and H. N. Jackson. No. 1,107,000; Aug. 11; Gaz. vol. 205; p. 536.
- Engine igniting device, Internal-combustion-. J. G. Newman. No. 1,084,815; Jan. 20; Gaz. vol. 198; p. 577.
- Engine ignition device, Explosive-. E. Podlesak. No. 1,101,956; June 30; Gaz. vol. 203; p. 1421.
- Engine ignition device, Internal-combustion-. F. Schröter. No. 1,123,017; Dec. 29; Gaz. vol. 209; p. 1592.
- Engine ignition-indicating device, Internal-combustion-. A. De Clairmont. No. 1,084,397; Jan. 13; Gaz. vol. 198; p. 407.
- Engine ignition system, Internal-combustion-. A. C. Gundy. No. 1,096,625; May 12; Gaz. vol. 202; p. 529.
- Engine indicator, Steam-. E. Vaughan. No. 1,098,067; May 26; Gaz. vol. 202; p. 1122.
- Engine-lubricating device, Internal-combustion-. R. Watres. No. 1,108,955; Sept. 1; Gaz. vol. 206; p. 34.
- Engine-lubricating system. G. W. Dunham. No. 1,105,894; Aug. 4; Gaz. vol. 205; p. 107.
- Engine-lubricating system, Automobile. A. Winton. No. 1,090,773; Mar. 17; Gaz. vol. 200; p. 808.
- Engine-lubrication. A. C. Krebs. No. 1,096,924; May 19; Gaz. vol. 202; p. 675.
- Engine lubrication, Internal-combustion-. J. Adams. No. 1,083,510; Feb. 24; Gaz. vol. 199; p. 1157.
- Engine lubrication, Internal-combustion-. P. A. Poppe. No. 1,118,047; Nov. 24; Gaz. vol. 208; p. 1020.
- Engine lubricator, Hoisting-. R. Ruemelin. No. 1,119,880; Dec. 8; Gaz. vol. 209; p. 372.
- Engine lubricator, Steam and other. L. F. Trullinger. No. 1,098,995; June 2; Gaz. vol. 203; p. 216.
- Engine-mounting. F. H. Royce. No. 1,120,243; Dec. 8; Gaz. vol. 209; p. 500.
- Engine-mounting for motor-vehicles. F. H. Royce. No. 1,108,242; Aug. 25; Gaz. vol. 205; p. 1069.
- Engine-muffler. E. Holzwarth. No. 1,084,883; Jan. 20; Gaz. vol. 198; p. 600.
- Engine-muffler. J. R. Robinson. No. 1,109,547; Sept. 1; Gaz. vol. 206; p. 241.
- Engine muffler, Gas-. J. E. Hutchins. No. 1,120,387; Dec. 8; Gaz. vol. 209; p. 551.
- Engine muffler, Gas-. L. F. Pelletier. No. 1,084,290; Jan. 13; Gaz. vol. 198; p. 372.
- Engine-muffling system, Explosion-. A. Winton. No. 1,096,583; May 12; Gaz. vol. 202; p. 515.
- Engine or motor. W. V. D. Kelley. No. 1,108,182; Aug. 25; Gaz. vol. 205; p. 1047.
- Engine pilot, Traction-. D. M. Hartsough. No. 1,096,784; May 12; Gaz. vol. 202; p. 582.
- Engine-plow. W. C. Rarig. No. 1,094,018; Apr. 21; Gaz. vol. 201; p. 719.
- Engine primer, Gas-. J. P. Schwartz. No. 1,083,634; Jan. 6; Gaz. vol. 198; p. 124.
- Engine primer, Internal-combustion-. W. Mangin. No. 1,116,457; Nov. 10; Gaz. vol. 208; p. 378.
- Engine priming and decarbonizing apparatus, Internal-combustion-. G. J. Lynn. No. 1,115,846; Nov. 3; Gaz. vol. 208; p. 129.
- Engine priming device, Motor-vehicle-. H. J. Hansen. No. 1,115,814; Nov. 3; Gaz. vol. 208; p. 117.
- Engine-priming mechanism, Explosive-. M. P. Mitchell. No. 1,102,285; July 7; Gaz. vol. 204; p. 22.
- Engine-priming mechanism, Explosive-. L. J. Perkins. No. 1,088,792; Mar. 3; Gaz. vol. 200; p. 41.
- Engine reverse-gear. I. N. Mitchell. No. 1,085,463; Jan. 27; Gaz. vol. 198; p. 833.
- Engine reverse, Steam-. S. E. Beeler. No. 1,123,070; Dec. 29; Gaz. vol. 209; p. 1610.
- Engine reversing device, Combustion-. W. Seck. No. 1,092,404; Apr. 7; Gaz. vol. 201; p. 96.
- Engine reversing-gear. C. S. Clark. No. 1,117,325; Nov. 17; Gaz. vol. 208; p. 728.
- Engine reversing-gear, Internal-combustion-. J. Romeyn. No. 1,095,421; May 5; Gaz. vol. 202; p. 84.
- Engine reversing-gear, Steam. L. Proffitt. No. 1,109,462; Sept. 1; Gaz. vol. 206; p. 214.
- Engine reversing mechanism. M. W. Brown. No. 1,104,621; July 21; Gaz. vol. 204; p. 920.
- Engine-rods, Grease-compressor for. J. E. McDaniel. No. 1,111,755; Sept. 29; Gaz. vol. 206; p. 1179.
- Engine-room signal, Ship's. O. K. Bogstrand. No. 1,115,278; Oct. 27; Gaz. vol. 207; p. 1141.
- Engine safety attachment, Air-cooled-gas-. M. J. Stanton. No. 1,100,158; June 16; Gaz. vol. 203; p. 695.
- Engine self-starter controller. R. H. Hassler. No. 1,111,150; Sept. 22; Gaz. vol. 206; p. 934.
- Engine self-starter, Internal-combustion-. A. Winton and H. B. Anderson. No. 1,117,739; Nov. 17; Gaz. vol. 208; p. 874.
- Engine self-starter, Internal-explosion-. M. D. Compton. No. 1,123,173; Dec. 29; Gaz. vol. 209; p. 1648.
- Engine-shafts, Device for turning crank-pins on. A. Thomas. No. 1,114,068; Oct. 20; Gaz. vol. 207; p. 360.
- Engine sparking device, Explosive-. J. D. Maxwell. No. 1,120,399; Dec. 8; Gaz. vol. 209; p. 555.
- Engine sparking device, Internal-combustion-. G. Honold. No. 1,105,659; Aug. 4; Gaz. vol. 205; p. 26.
- Engine sparking plug, Explosive-. H. D. Pomije. No. 1,086,850; Feb. 10; Gaz. vol. 199; p. 491.

Alphabetical list of inventions—Continued.

- Engine sparking plug, Internal-combustion-. E. Blattmann. No. 1,105,746; Aug. 4; Gaz. vol. 205; p. 56.
- Engine speed-regulator, Internal-combustion-. R. G. Shiley. No. 1,092,667; Apr. 7; Gaz. vol. 201; p. 187.
- Engine-starter. H. W. Bachelder. No. 1,106,180; Aug. 4; Gaz. vol. 205; p. 208.
- Engine-starter. V. Bendix. No. 1,116,369; Nov. 10; Gaz. vol. 208; p. 348.
- Engine-starter. V. Bendix. No. 1,116,370; Nov. 10; Gaz. vol. 208; p. 348.
- Engine-starter. C. E. Bridges. No. 1,114,852; Oct. 27; Gaz. vol. 207; p. 990.
- Engine-starter. C. J. Coleman. No. 1,102,322; July 7; Gaz. vol. 204; p. 35.
- Engine-starter. S. Deutsch. No. 1,111,885; Sept. 29; Gaz. vol. 206; p. 1228.
- Engine-starter. E. E. Dutton. No. 1,115,462; Oct. 27; Gaz. vol. 207; p. 1202.
- Engine-starter. H. N. Edens. No. 1,095,387; May 5; Gaz. vol. 202; p. 73.
- Engine-starter. F. E. Fisher. No. 1,113,156; Oct. 6; Gaz. vol. 207; p. 257.
- Engine-starter. E. F. Fruehbeck. No. 1,099,123; June 2; Gaz. vol. 203; p. 256.
- Engine-starter. E. Fuller. No. 1,097,419; May 19; Gaz. vol. 202; p. 849.
- Engine-starter. T. J. Gray. (Reissue.) No. 13,675; Jan. 13; Gaz. vol. 198; p. 475.
- Engine-starter. A. Hjelte. No. 1,119,825; Dec. 8; Gaz. vol. 209; p. 354.
- Engine-starter. C. E. Kells, Jr. No. 1,086,773; Feb. 10; Gaz. vol. 199; p. 463.
- Engine-starter. H. M. Kinslow. No. 1,098,448; June 2; Gaz. vol. 203; p. 32.
- Engine-starter. C. M. Leech. No. 1,091,519; Mar. 31; Gaz. vol. 200; p. 1139.
- Engine-starter. J. H. Londick. No. 1,121,108; Dec. 15; Gaz. vol. 209; p. 855.
- Engine-starter. W. L. Marr. No. 1,113,129; Oct. 6; Gaz. vol. 207; p. 247.
- Engine-starter. M. Meller-Zakomelsky. No. 1,101,465; June 23; Gaz. vol. 203; p. 1197.
- Engine-starter. W. A. Merralls. No. 1,107,687; Aug. 18; Gaz. vol. 205; p. 829.
- Engine-starter. F. H. Mills. No. 1,096,314; May 12; Gaz. vol. 202; p. 425.
- Engine-starter. F. Miskoosky. No. 1,105,367; July 28; Gaz. vol. 204; p. 1231.
- Engine-starter. D. Murphy, Sr. No. 1,122,985; Dec. 29; Gaz. vol. 209; p. 1580.
- Engine-starter. R. Nelson. No. 1,108,609; Aug. 25; Gaz. vol. 205; p. 1197.
- Engine-starter. H. R. Noll and W. B. Hollingsworth. No. 1,090,165; Mar. 17; Gaz. vol. 200; p. 601.
- Engine-starter. H. G. O'Neill. No. 1,105,297; July 28; Gaz. vol. 204; p. 1203.
- Engine-starter. B. G. Patterson. No. 1,096,748; May 12; Gaz. vol. 202; p. 570.
- Engine-starter. N. Pedersen. No. 1,120,236; Dec. 8; Gaz. vol. 209; p. 498.
- Engine-starter. E. V. Pennington. No. 1,100,091; June 16; Gaz. vol. 203; p. 671.
- Engine-starter. J. F. Raleigh. No. 1,101,957; June 30; Gaz. vol. 203; p. 1421.
- Engine-starter. W. L. Stuller. (Reissue.) No. 13,681; Jan. 27; Gaz. vol. 198; p. 875.
- Engine-starter. G. H. Thomas. No. 1,118,598; Nov. 24; Gaz. vol. 208; p. 1214.
- Engine-starter, Automobile. H. B. Fenner. No. 1,102,651; July 7; Gaz. vol. 204; p. 151.
- Engine-starter, Automobile. C. Lynnock. No. 1,090,637; Mar. 17; Gaz. vol. 200; p. 766.
- Engine-starter, Electric. M. P. Mitchell. No. 1,119,855; Dec. 8; Gaz. vol. 209; p. 363.
- Engine starter, Explosive-. D. M. Hartsough. No. 1,105,775; Aug. 4; Gaz. vol. 205; p. 66.
- Engine-starter, Electric. M. P. Mitchell. No. 1,122,146; Dec. 22; Gaz. vol. 209; p. 1249.
- Engine starter, Explosion-. C. B. Miercort. No. 1,120,516; Dec. 8; Gaz. vol. 209; p. 596.
- Engine starter, Gas-. W. S. Hanson. No. 1,088,699; Mar. 3; Gaz. vol. 200; p. 10.
- Engine starter, Gas-. W. Kelly. No. 1,120,205; Dec. 8; Gaz. vol. 209; p. 487.
- Engine starter, Gas-. S. S. Krayner. No. 1,104,050; July 21; Gaz. vol. 204; p. 723.
- Engine starter, Gas-. C. O. Lien. No. 1,121,738; Dec. 22; Gaz. vol. 209; p. 1108.
- Engine starter, Internal-combustion-. T. A. Boor. No. 1,103,736; July 14; Gaz. vol. 204; p. 575.
- Engine starter, Internal-combustion-. B. W. Davenport. No. 1,102,479; July 7; Gaz. vol. 204; p. 90.
- Engine starter, Internal-combustion-. C. L. Johnston. No. 1,105,520; July 28; Gaz. vol. 204; p. 1283.
- Engine starter, Internal-combustion-. D. D. Miles, Jr. No. 1,098,046; May 26; Gaz. vol. 202; p. 1114.
- Engine starter, Internal-combustion-. R. E. and A. D. Pouley. No. 1,094,097; Apr. 21; Gaz. vol. 201; p. 746.
- Engine starter, Internal-combustion-. S. S. Sutton. No. 1,111,683; Sept. 22; Gaz. vol. 206; p. 1119.
- Engine starter, Internal-combustion-. B. Volkmar. No. 1,097,898; May 26; Gaz. vol. 202; p. 1061.
- Engine starter, Internal-combustion-. B. Volkmar. No. 1,097,899; May 26; Gaz. vol. 202; p. 1062.
- Engine-starter, Pneumatic. G. G. Westerfield. No. 1,108,291; Aug. 25; Gaz. vol. 205; p. 1087.
- Engine-starter, Safety. W. R. Clark. No. 1,098,480; June 2; Gaz. vol. 203; p. 43.
- Engine starting and controlling means, Internal-combustion-. V. G. Apple. No. 1,104,467; July 21; Gaz. vol. 204; p. 866.
- Engine-starting and current-generating mechanism. R. W. Cousins. No. 1,115,903; Nov. 3; Gaz. vol. 208; p. 148.
- Engine-starting apparatus. J. Bijur. No. 1,095,696; May 5; Gaz. vol. 202; p. 179.
- Engine-starting apparatus, Internal-combustion-. G. Unterberg. No. 1,089,294; Mar. 3; Gaz. vol. 200; p. 211.
- Engine-starting apparatus, Multiple-cylinder internal-combustion-. H. Stöcker. No. 1,090,580; Mar. 17; Gaz. vol. 200; p. 747.
- Engine-starting device. D. Di Leonardo. No. 1,120,922; Dec. 15; Gaz. vol. 209; p. 788.
- Engine-starting device. S. I. Prescott. No. 1,085,482; Jan. 27; Gaz. vol. 198; p. 839.
- Engine-starting device. A. C. Wells. No. 1,087,562; Feb. 17; Gaz. vol. 199; p. 786.
- Engine-starting device. W. H. Winks. No. 1,106,268; Aug. 4; Gaz. vol. 205; p. 235.
- Engine-starting device, Explosive-. F. C. Doody. No. 1,084,541; Jan. 13; Gaz. vol. 198; p. 452.
- Engine-starting device, Explosive-. S. H., F. H., and B. W. Heginbottom. No. 1,108,498; Aug. 25; Gaz. vol. 205; p. 1159.
- Engine-starting device, Explosive-. T. Herbig. No. 1,096,716; May 12; Gaz. vol. 202; p. 559.
- Engine-starting device, Explosive-. W. H. Kelly. No. 1,122,601; Dec. 29; Gaz. vol. 209; p. 1444.
- Engine-starting device, Explosive-. M. MacFarland. No. 1,089,568; Mar. 10; Gaz. vol. 200; p. 354.
- Engine-starting device, Explosive-. W. L. Marr. No. 1,104,058; July 21; Gaz. vol. 204; p. 725.
- Engine-starting device, Explosive-. H. S. Rauch. No. 1,089,962; Mar. 10; Gaz. vol. 200; p. 490.
- Engine-starting device, Explosive-. L. C. Van Riper. No. 1,104,087; July 21; Gaz. vol. 204; p. 736.
- Engine-starting device, Internal-combustion-. H. F. Bennett. No. 1,099,685; June 9; Gaz. vol. 203; p. 495.
- Engine-starting device, Internal-combustion-. C. C. Butler. No. 1,107,407; Aug. 18; Gaz. vol. 205; p. 729.
- Engine-starting device, Internal-combustion-. N. Choate. No. 1,085,541; Jan. 27; Gaz. vol. 198; p. 859.
- Engine-starting device, Internal-combustion-. D. E. Crouse. No. 1,090,600; Mar. 17; Gaz. vol. 200; p. 755.
- Engine-starting device, Internal-combustion-. W. V. Gilbert. No. 1,105,509; July 28; Gaz. vol. 204; p. 1280.
- Engine-starting device, Internal-combustion-. D. D. Miles, Jr. No. 1,098,047; May 26; Gaz. vol. 202; p. 1114.
- Engine-starting device, Internal-combustion-. C. L. Montroy. No. 1,083,457; Jan. 6; Gaz. vol. 198; p. 67.
- Engine-starting device, Internal-combustion-. F. Morgan. No. 1,093,065; Apr. 14; Gaz. vol. 201; p. 357.
- Engine-starting device, Internal-combustion-. S. A. Myers. No. 1,115,962; Nov. 3; Gaz. vol. 208; p. 169.
- Engine-starting device, Internal-combustion-. M. P. Ryder. No. 1,087,465; Feb. 17; Gaz. vol. 199; p. 754.
- Engine-starting device, Internal-combustion-. H. R. Setz. No. 1,098,767; June 2; Gaz. vol. 203; p. 139.
- Engine-starting device, Internal-combustion-. T. Veitch. No. 1,117,282; Nov. 17; Gaz. vol. 208; p. 711.
- Engine-starting means, Internal-combustion-. J. Desmond. No. 1,098,888; June 2; Gaz. vol. 203; p. 180.
- Engine-starting means, Internal-combustion-. J. Desmond. No. 1,108,720; Aug. 25; Gaz. vol. 205; p. 1235.
- Engine-starting means, Internal-combustion-. W. F. and C. P. Groll. No. 1,104,356; July 21; Gaz. vol. 204; p. 828.
- Engine-starting mechanism. A. Winton and H. B. Anderson. No. 1,116,191; Nov. 3; Gaz. vol. 208; p. 247.
- Engine-starting mechanism, Explosive-. P. B. Belches. No. 1,086,638; Feb. 10; Gaz. vol. 199; p. 416.
- Engine-starting mechanism, Explosive-. H. Meredith-Jones. No. 1,087,965; Feb. 24; Gaz. vol. 199; p. 973.
- Engine-starting mechanism, Explosive-. H. Meredith-Jones. No. 1,104,211; July 21; Gaz. vol. 204; p. 778.
- Engine-starting mechanism, Explosive-. R. E. Wetzel. No. 1,087,857; Feb. 17; Gaz. vol. 199; p. 887.
- Engine-starting mechanism, Gas-. W. H. Schoomaker. No. 1,108,250; Aug. 25; Gaz. vol. 205; p. 1073.
- Engine-starting mechanism, Internal-combustion-. J. H. Burton. No. 1,088,529; Feb. 24; Gaz. vol. 199; p. 1163.
- Engine-starting mechanism, Internal-combustion-. B. Krämer. No. 1,122,007; Dec. 22; Gaz. vol. 209; p. 1203.
- Engine-starting mechanism, Internal-combustion-. C. L. Shockley and H. E. Straley. No. 1,102,091; June 30; Gaz. vol. 203; p. 1468.

Alphabetical list of inventions—Continued.

- Engine-starting mechanism, Multicylinder-internal-combustion. O. F. Fishedick and A. W. Krahn. No. 1,086,038; Feb. 3; Gaz. vol. 199; p. 164.
- Engine-starting spark-producing apparatus. G. W. Wacker. No. 1,083,965; Jan. 13; Gaz. vol. 198; p. 262.
- Engine-steering device, Traction-. T. H. Cuddy. No. 1,114,586; Oct. 20; Gaz. vol. 207; p. 844.
- Engine-steering device, Traction-. J. A., I. E., and W. R. Fraser. No. 1,097,174; May 19; Gaz. vol. 202; p. 764.
- Engine-steering device, Traction-. T. Love. No. 1,097,723; May 26; Gaz. vol. 202; p. 999.
- Engine-steering device, Traction-. W. E. Miller. No. 1,117,419; Nov. 17; Gaz. vol. 208; p. 760.
- Engine steering-gear, Traction-. H. F. Manning. No. 1,105,086; July 28; Gaz. vol. 204; p. 1131.
- Engine-stop. M. Rüsner. No. 1,088,931; Mar. 3; Gaz. vol. 200; p. 89.
- Engine-stop, Automatic. T. Truran. No. 1,109,373; Sept. 1; Gaz. vol. 206; p. 185.
- Engine stop mechanism. E. H. Bristol. No. 1,109,611; Sept. 1; Gaz. vol. 206; p. 264.
- Engine stop mechanism, Automatic. W. H. Nutter. No. 1,117,430; Nov. 17; Gaz. vol. 208; p. 763.
- Engine tank, Gasolene-. W. H. Smith. No. 1,083,413; Jan. 6; Gaz. vol. 198; p. 53.
- Engine-throttling device, Hydrocarbon-. J. L. Schindler. No. 1,089,275; Mar. 3; Gaz. vol. 200; p. 206.
- Engine vaporizer, Internal-combustion-. C. E. Lucke and W. E. Ver Planck. No. 1,110,807; Sept. 15; Gaz. vol. 206; p. 772.
- Engine water-jacket, Internal-combustion-. J. Spiegel. No. 1,112,337; Sept. 29; Gaz. vol. 206; p. 1381.
- Engine wheel, Traction-. B. F. Gillis. No. 1,104,655; July 21; Gaz. vol. 204; p. 932.
- Engines, Air-compressor system for oil-. J. Cochaud. No. 1,102,321; July 7; Gaz. vol. 204; p. 35.
- Engines, Air-inlet device for explosive-. E. J. Goodyear. No. 1,110,922; Sept. 15; Gaz. vol. 206; p. 813.
- Engines, Air starting mechanism for oil-. O. F. Persson. No. 1,118,368; Nov. 24; Gaz. vol. 208; p. 1132.
- Engines, Air starting mechanism for oil-. L. V. Stoeltzlen. No. 1,087,406; Feb. 17; Gaz. vol. 199; p. 731.
- Engines and preheating device therefor, Method of operating internal-combustion-. F. Schröder. No. 1,099,862; June 9; Gaz. vol. 203; p. 554.
- Engines and the like, Sparking device for gas-. J. E. Seeley. No. 1,086,565; Feb. 10; Gaz. vol. 199; p. 390.
- Engines and the like, Supplementary air-supplying device for automobile-. E. M. Lynch. No. 1,117,682; Nov. 17; Gaz. vol. 208; p. 853.
- Engines, Apparatus for producing ignition-sparks within cylinders of internal-combustion-. F. Azika. No. 1,110,415; Sept. 15; Gaz. vol. 206; p. 634.
- Engines, Attachment for internal-combustion. W. W. Dodge. No. 1,091,488; Mar. 31; Gaz. vol. 200; p. 1128.
- Engines, Automatic auxiliary air control for gas-. G. Riley and H. E. Olsen. No. 1,097,944; May 26; Gaz. vol. 202; p. 1078.
- Engines, Automatic controlling means for reversing combustion-. L. J. Le Pontois. No. 1,094,591; Apr. 28; Gaz. vol. 201; p. 972.
- Engines, Automatic draft-controlling device for. B. Fitzpatrick, Jr. No. 1,111,450; Sept. 22; Gaz. vol. 206; p. 1037.
- Engines, Automatic exhaust drain-cock for steam-. J. T. McGrath. No. 1,103,602; July 14; Gaz. vol. 204; p. 527.
- Engines, Automatic radiating system for internal-combustion. E. A. Sayre. No. 1,104,552; July 21; Gaz. vol. 204; p. 898.
- Engines, Automatic spark-timer for internal-combustion. G. R. Wright and F. W. Johnson. No. 1,109,732; Sept. 8; Gaz. vol. 206; p. 350.
- Engines, Automatic starter for internal-combustion. W. W. Hodgson. No. 1,104,894; July 28; Gaz. vol. 204; p. 1064.
- Engines, Automatic starting device for internal-combustion-. F. R. and D. W. Payne. No. 1,115,562; Nov. 3; Gaz. vol. 208; p. 32.
- Engines, Auxiliary air device for internal-combustion. P. H. Grace. No. 1,094,555; Apr. 28; Gaz. vol. 201; p. 960.
- Engines, Auxiliary air-inlet and mixing device for internal-combustion. E. Maitre. No. 1,113,668; Oct. 13; Gaz. vol. 207; p. 480.
- Engines, Auxiliary air-inlet and primer for internal-combustion. D. M. Sheedy. No. 1,111,620; Sept. 22; Gaz. vol. 206; p. 1096.
- Engines, Auxiliary air-inlet device for explosive-. D. E. Johnston and J. W. Cooper. No. 1,118,865; Nov. 24; Gaz. vol. 208; p. 1303.
- Engines, Auxiliary air-inlet device for internal-combustion. E. H. and H. H. Ashlock. No. 1,120,118; Dec. 8; Gaz. vol. 209; p. 455.
- Engines, Auxiliary air-inlet device for internal-combustion. C. H. Jockmus. No. 1,103,969; July 21; Gaz. vol. 204; p. 695.
- Engines, Auxiliary air-inlet device for internal-combustion. H. B. Johnson. No. 1,102,053; June 30; Gaz. vol. 203; p. 1456.
- Engines, Auxiliary air-inlet device for internal-combustion. L. T. Rhoades. No. 1,092,395; Apr. 7; Gaz. vol. 201; p. 93.
- Engines, Auxiliary air valve or mixer for internal-combustion. G. Gottschalk. No. 1,097,311; May 19; Gaz. vol. 202; p. 813.
- Engines, Auxiliary mixer for internal-combustion-. R. D. Loose. No. 1,115,699; Nov. 3; Gaz. vol. 208; p. 80.
- Engines, Charge-forming device for internal-combustion. E. Schneider. No. 1,106,115; Aug. 4; Gaz. vol. 205; p. 186.
- Engines, Clutch for starting explosive-. J. O. Stanley. No. 1,114,304; Oct. 20; Gaz. vol. 208; p. 745.
- Engines, Combined starting and gasolene-saving device for explosive-. W. H. Kutscher. No. 1,099,504; June 9; Gaz. vol. 203; p. 432.
- Engines, Condensing-ventilator for. H. Dechamps. No. 1,116,030; Nov. 3; Gaz. vol. 208; p. 193.
- Engines, Construction of the cylinders and accessory parts of internal-combustion. E. Jaenisch. No. 1,087,539; Feb. 17; Gaz. vol. 199; p. 778.
- Engines, Controlling the starting and working of. A. Esplen. No. 1,106,197; Aug. 4; Gaz. vol. 205; p. 214.
- Engines, Cooling internal-combustion. B. Hopkinson. No. 1,094,993; Apr. 28; Gaz. vol. 201; p. 1116.
- Engines, Current conducting and distributing device for internal-combustion. F. A. Zikz. No. 1,105,741; Aug. 4; Gaz. vol. 205; p. 54.
- Engines, Cylinder construction for. H. Dechamps. No. 1,109,204; Sept. 1; Gaz. vol. 206; p. 124.
- Engines, Device for heating charges for explosive-. F. A. Beasley. No. 1,093,756; Apr. 21; Gaz. vol. 201; p. 632.
- Engines, Device for moistening and heating the air-supply for internal-combustion. L. Weglein, Jr. No. 1,097,380; May 19; Gaz. vol. 202; p. 836.
- Engines, Device for regulating supplemental supply of fuel mixtures and air to internal-combustion. A. J. Weiss. No. 1,115,632; Nov. 3; Gaz. vol. 208; p. 56.
- Engines, Device for supplying fluid to internal-combustion. A. Hendricks. No. 1,121,013; Dec. 15; Gaz. vol. 209; p. 819.
- Engines, Distributer for electrical ignition systems for internal-combustion. E. Gassmann. No. 1,120,301; Dec. 8; Gaz. vol. 209; p. 520.
- Engines, Distributer for internal-combustion. A. Balloco. No. 1,117,761; Nov. 17; Gaz. vol. 208; p. 882.
- Engines, Distributing device for automatic compressed-air starting apparatus for internal-combustion. M. Gendron. No. 1,103,001; July 7; Gaz. vol. 204; p. 270.
- Engines, Draft-regulating device for locomotive-. J. Trotter. No. 1,111,776; Sept. 29; Gaz. vol. 206; p. 1187.
- Engines, Economizing fuel and preventing carbon deposits in explosive-. C. L. Nedoma. No. 1,108,608; Aug. 25; Gaz. vol. 205; p. 1197.
- Engines, Electric igniting device for explosive-. L. C. Jackson. No. 1,093,857; Apr. 21; Gaz. vol. 201; p. 666.
- Engines, Electric starter for internal-combustion. W. H. Scott. No. 1,104,710; July 21; Gaz. vol. 204; p. 950.
- Engines, Electrical igniting device for internal-combustion. E. Gassmann. No. 1,108,739; Aug. 25; Gaz. vol. 205; p. 1241.
- Engines, Electrical ignition apparatus for internal-combustion. A. Zähringer. No. 1,091,906; Mar. 31; Gaz. vol. 200; p. 1273.
- Engines, Electrical ignition system for internal-combustion. F. Kratz. No. 1,083,285; Jan. 6; Gaz. vol. 198; p. 9.
- Engines, Electrical vaporizer attachment for gas-. L. L. Forde. No. 1,100,293; June 16; Gaz. vol. 203; p. 742.
- Engines, Exhaust-heater for steam or gasolene. W. D. Bronson. No. 1,120,996; Dec. 15; Gaz. vol. 209; p. 813.
- Engines, Expansion-plate for rotary. W. G. Nicola and A. G. Rupp. No. 1,095,223; May 5; Gaz. vol. 202; p. 18.
- Engines, Flexible transmission and starting device for explosive-. J. F. White. No. 1,104,593; July 21; Gaz. vol. 204; p. 912.
- Engines, Fluid-pressure means for forcing fuel into internal-combustion. C. H. Dunton. No. 1,112,124; Sept. 29; Gaz. vol. 206; p. 1305.
- Engines, Fly-wheel magneto for explosive-. E. S. Huff. No. 1,098,361; May 26; Gaz. vol. 202; p. 1222.
- Engines, Friction-clutch for drums of donkey-. R. C. Bryant. No. 1,096,598; May 12; Gaz. vol. 202; p. 520.
- Engines, Fuel and starting valve for internal-combustion. L. V. Stoeltzlen. No. 1,118,379; Nov. 24; Gaz. vol. 208; p. 1136.
- Engines, Fuel-charging and charge-forming apparatus for internal-combustion. P. Johnsen. No. 1,122,124; Dec. 22; Gaz. vol. 209; p. 1241.
- Engines, Fuel-feeding means for internal-combustion. H. E. Kempton. No. 1,092,109; Mar. 31; Gaz. vol. 200; p. 1340.
- Engines, Fuel-heater for explosive-. E. Sibley. No. 1,115,745; Nov. 3; Gaz. vol. 208; p. 95.
- Engines, Fuel-heater for internal-combustion. F. C. and A. E. Weaver. No. 1,101,365; June 23; Gaz. vol. 203; p. 1163.
- Engines, Fuel-injector for explosion-. L. M. Ellis. No. 1,102,025; June 30; Gaz. vol. 203; p. 1446.

Alphabetical list of inventions—Continued.

- Engines, Fuel-injector for internal-combustion. S. Lake. No. 1,122,770; Dec. 29; Gaz. vol. 209; p. 1503.
- Engines, Fuel-injector for oil. K. Evers. No. 1,118,753; Nov. 24; Gaz. vol. 208; p. 1266.
- Engines, Fuel-mixer for explosive. S. T. Playford. No. 1,086,211; Feb. 3; Gaz. vol. 199; p. 223.
- Engines, Fuel-pump for internal-combustion. F. J. Kimball. No. 1,099,449; June 9; Gaz. vol. 203; p. 414.
- Engines, Fuel-vaporizer for explosion. H. H. and C. B. Ingersoll. No. 1,106,386; Aug. 11; Gaz. vol. 205; p. 320.
- Engines, Gas-distributor for hydrocarbon. A. Norris. No. 1,117,221; Nov. 17; Gaz. vol. 208; p. 690.
- Engines, Gearing device for traction. F. J. Wood. No. 1,096,338; May 12; Gaz. vol. 202; p. 435.
- Engines having a device for adjusting the time of sparking, Interrupter for electrical ignition apparatus for internal-combustion. G. Unterberg. No. 1,087,701; Feb. 17; Gaz. vol. 199; p. 836.
- Engines, Igniter trip device for explosion. R. Kelley. No. 1,093,191; Apr. 14; Gaz. vol. 201; p. 402.
- Engines, Ignition apparatus for internal-combustion. G. V. Ahara. No. 1,104,860; July 28; Gaz. vol. 204; p. 1052.
- Engines, Ignition device for internal-combustion. G. H. Gere. No. 1,099,496; June 9; Gaz. vol. 203; p. 429.
- Engines, Ignition system for explosive. C. T. Spicklemire. No. 1,088,472; Feb. 24; Gaz. vol. 199; p. 1141.
- Engines, Ignition system for internal-combustion. J. Marx. No. 1,084,096; Jan. 13; Gaz. vol. 198; p. 308.
- Engines, Ignition-timer for reversible gas. W. R. McKeen, Jr. No. 1,095,656; May 5; Gaz. vol. 202; p. 165.
- Engines, Indicating system and apparatus for internal-combustion. H. H. Boyce. No. 1,090,776; Mar. 17; Gaz. vol. 200; p. 810.
- Engines, Injector for oil. K. Evers. No. 1,118,407; Nov. 24; Gaz. vol. 208; p. 1146.
- Engines, Intake for gas. M. E. Hidden. No. 1,098,626; June 2; Gaz. vol. 203; p. 93.
- Engines, Intake-manifold for internal-combustion. H. S. Mountford. No. 1,098,915; June 2; Gaz. vol. 203; p. 190.
- Engines, Introducing fuel into internal-combustion. I. Gentzen. No. 1,101,271; June 23; Gaz. vol. 203; p. 1131.
- Engines, Jump-spark ignition apparatus for internal-combustion. M. B. Crist. No. 1,089,461; Mar. 10; Gaz. vol. 200; p. 316.
- Engines, Knife-bar for beating. H. R. Simonds. No. 1,093,490; Apr. 14; Gaz. vol. 201; p. 499.
- Engines, Leveling device for traction. J. F. McGuire. No. 1,108,203; Aug. 25; Gaz. vol. 205; p. 1056.
- Engines, Locking device for internal-combustion. L. J. Kniel. No. 1,108,995; Sept. 1; Gaz. vol. 206; p. 49.
- Engines, Lubricating means for two-cycle internal-combustion. H. Lemp. No. 1,087,387; Feb. 17; Gaz. vol. 199; p. 726.
- Engines, Lubrication mechanism for combustion. V. Lancia. No. 1,083,329; Jan. 6; Gaz. vol. 198; p. 24.
- Engines, Magneto drive for internal-combustion. J. A. Ostenberg. No. 1,115,729; Nov. 3; Gaz. vol. 208; p. 90.
- Engines, Making a hydrocarbon liquid suitable for use in internal-combustion. D. R. McArthur. No. 1,119,974; Dec. 8; Gaz. vol. 209; p. 405.
- Engines, Manifold construction for explosion. L. Cobb. No. 1,099,842; June 9; Gaz. vol. 203; p. 547.
- Engines, Manual control for the fuel-supply of internal-combustion. W. F. Freidag. No. 1,113,768; Oct. 13; Gaz. vol. 207; p. 517.
- Engines, Means for controlling the supply of motive fluid to marine. A. Kerr. No. 1,091,227; Mar. 24; Gaz. vol. 200; p. 1000.
- Engines, Means for creating and supplying explosive mixture to explosive. J. J. Cochran. No. 1,102,475; July 7; Gaz. vol. 204; p. 89.
- Engines, Means for moistening the air used in explosion. C. E. Diehl. No. 1,123,114; Dec. 29; Gaz. vol. 209; p. 1625.
- Engines, Means to prevent the unauthorized use of explosive. A. D. Perkins. No. 1,116,324; Nov. 3; Gaz. vol. 208; p. 291.
- Engines, Mechanical starter for internal-combustion. R. Dressmann. No. 1,112,898; Oct. 6; Gaz. vol. 207; p. 169.
- Engines, Mechanism for varying the stroke of internal-combustion. W. M. Austin. No. 1,118,521; Nov. 24; Gaz. vol. 208; p. 1186.
- Engines, Mixture-supplying apparatus for internal-combustion. A. P. Brush. No. 1,112,257; Sept. 29; Gaz. vol. 206; p. 1354.
- Engines, Muffler for internal-combustion. H. G. Chatain. No. 1,114,448; Oct. 20; Gaz. vol. 207; p. 797.
- Engines of automobiles, Means for use in starting internal-combustion. A. A. Remington and A. J. Rowledge. No. 1,098,406; June 2; Gaz. vol. 203; p. 17.
- Engines or the like, Distributing apparatus for. E. M. Ballot. No. 1,089,811; Mar. 10; Gaz. vol. 200; p. 437.
- Engines, Piston-cooling device for internal-combustion. V. Rembold. No. 1,121,202; Dec. 15; Gaz. vol. 209; p. 887.
- Engines, Pneumatic dust-remover for carding. J. J. Smith. No. 1,092,804; Apr. 7; Gaz. vol. 201; p. 233.
- Engines, Primer for internal-combustion. C. B. and J. F. Strang. No. 1,108,411; Aug. 25; Gaz. vol. 205; p. 1127.
- Engines, Priming apparatus for internal-combustion. A. W. Juntunen. No. 1,108,760; Aug. 25; Gaz. vol. 205; p. 1248.
- Engines, Pumping system for gas. L. Schwitzer. No. 1,109,256; Sept. 1; Gaz. vol. 206; p. 142.
- Engines, Regulating mechanism for mixed-pressure. O. Banner. No. 1,105,952; Aug. 4; Gaz. vol. 205; p. 128.
- Engines, Rotary distributor for four-cycle internal-combustion. E. H. Tartrais. No. 1,102,817; July 7; Gaz. vol. 204; p. 208.
- Engines, Running internal-combustion. G. F. Jaubert. No. 1,099,445; June 9; Gaz. vol. 203; p. 412.
- Engines, Self-starting device for explosive. A. De Clairmont. No. 1,120,797; Dec. 15; Gaz. vol. 209; p. 743.
- Engines, &c., Silencer for gas. H. P. Maxim. No. 1,111,265; Sept. 22; Gaz. vol. 206; p. 974.
- Engines, &c., Silencer for gas. H. P. Maxim. No. 1,114,701; Oct. 20; Gaz. vol. 207; p. 882.
- Engines, &c., Silencer for gas. H. P. Maxim. No. 1,114,702; Oct. 20; Gaz. vol. 207; p. 883.
- Engines, Spark-adjuster for explosive. J. P. Gerling. No. 1,092,255; Apr. 7; Gaz. vol. 201; p. 44.
- Engines, Starting and controlling explosive. A. Sundh. No. 1,102,455; July 7; Gaz. vol. 204; p. 82.
- Engines, Steering device for traction. W. E. Miller. No. 1,117,419; Nov. 17; Gaz. vol. 208; p. 760.
- Engines, &c., Steering mechanism for traction. B. Holt. No. 1,111,961; Sept. 29; Gaz. vol. 206; p. 1251.
- Engines, Supply and feed system for hydrocarbon. T. Van Tuyl. No. 1,098,138; May 26; Gaz. vol. 202; p. 1145.
- Engines, Supplying fuels which ignite with difficulty to internal-combustion. E. Eberle. No. 1,093,553; Apr. 14; Gaz. vol. 201; p. 519.
- Engines, Temperature-controlling apparatus for internal-combustion. F. M. Furber. No. 1,114,246; Oct. 20; Gaz. vol. 207; p. 725.
- Engines, Testing device for electrical ignition apparatus for explosive. E. Yoss. No. 1,095,486; May 5; Gaz. vol. 202; p. 108.
- Engines, Testing device for gas. W. C. Force. No. 1,095,273; May 5; Gaz. vol. 202; p. 34.
- Engines, Transmission and reversing gearing for. L. J. Houpt. No. 1,091,338; Mar. 24; Gaz. vol. 200; p. 1032.
- Engines, Transmission apparatus for gas. H. A. Johnston. No. 1,099,377; June 9; Gaz. vol. 203; p. 390.
- Engines, Vaporizer for internal-combustion. K. J. E. Hesselman. No. 1,117,845; Nov. 17; Gaz. vol. 208; p. 910.
- Engines, Vaporizer for internal-combustion. E. Koster. No. 1,095,645; May 5; Gaz. vol. 202; p. 161.
- Engines, Vaporizer for internal-combustion. E. P. Lamb. No. 1,088,664; Feb. 24; Gaz. vol. 199; p. 1207.
- Engines, Water-circulating means for internal-combustion. T. C. Young. No. 1,110,606; Sept. 15; Gaz. vol. 206; p. 702.
- Engines, Water-cooling system for automobile. J. W. Dalman. No. 1,111,787; Sept. 29; Gaz. vol. 206; p. 1192.
- Engines, Water-feed system for internal-combustion. J. R. Ricketts. No. 1,119,042; Dec. 1; Gaz. vol. 209; p. 51.
- Engines with internal combustion, Reversing device for. H. Wiederkehr. No. 1,085,653; Feb. 3; Gaz. vol. 199; p. 26.
- Engines with starters, Fuel-feed system for. G. R. Wadsworth. No. 1,088,854; Mar. 3; Gaz. vol. 200; p. 62.
- Engines with superheated steam, Compression-regulator for. F. Adam. No. 1,094,958; Apr. 28; Gaz. vol. 201; p. 1103.
- Engineer's signal, Automatic. I. L. Edwards. No. 1,095,388; May 5; Gaz. vol. 202; p. 73.
- Engraver's adjustable transfer and manufacturing said transfer. L. D. Wardin. No. 1,113,588; Oct. 13; Gaz. vol. 207; p. 453.
- Engraver's instrument. L. Fox. No. 1,084,326; Jan. 13; Gaz. vol. 198; p. 385.
- Engraving-machine. F. Deckel. No. 1,106,084; Aug. 4; Gaz. vol. 205; p. 174.
- Engraving-machine. O. Nelson and C. M. Jones. No. 1,088,358; Feb. 24; Gaz. vol. 199; p. 1107.
- Engraving-machine, Pantograph. W. H. Hope. No. 1,117,672; Nov. 17; Gaz. vol. 208; p. 850.
- Ensilage-cutter. C. Bozile. No. 1,084,249; Jan. 13; Gaz. vol. 198; p. 360.
- Ensilage-cutter. J. S. Spangler. No. 1,121,684; Dec. 22; Gaz. vol. 209; p. 1089.
- Ensilage-cutters, Feeding mechanism for. C. F. Haldeman. No. 1,094,557; Apr. 28; Gaz. vol. 201; p. 960.
- Ensilage-elevator. C. C. Brown. No. 1,094,872; Apr. 28; Gaz. vol. 201; p. 1072.
- Ensilage-machine. R. Kelly and E. F. Sibert. No. 1,108,373; Aug. 25; Gaz. vol. 205; p. 1115.
- Ensilage-machine feeder. N. M. Brown. No. 1,093,763; Apr. 21; Gaz. vol. 201; p. 634.

Alphabetical list of inventions—Continued.

- Ensilage-packer, Roller. E. O. McLaughlin. No. 1,109,443; Sept. 1; Gaz. vol. 206; p. 207.
- Entertainment device, Novelty. A. J. Mealand. No. 1,099,188; June 9; Gaz. vol. 203; p. 323.
- Entomological mount. X., L. G., and C. F. McGlashan. No. 1,104,371; July 21; Gaz. vol. 204; p. 833.
- Envelop. E. Adam. No. 1,115,149; Oct. 27; Gaz. vol. 207; p. 1096.
- Envelop. E. F. Ahlquist. No. 1,108,540; Aug. 25; Gaz. vol. 205; p. 1174.
- Envelop. D. Alexander. No. 1,100,703; June 23; Gaz. vol. 203; p. 935.
- Envelop. J. P. Anderson. No. 1,091,030; Mar. 24; Gaz. vol. 200; p. 931.
- Envelop. W. H. Beecher. No. 1,091,274; Mar. 24; Gaz. vol. 200; p. 1014.
- Envelop. F. L. Bochert. No. 1,087,868; Feb. 17; Gaz. vol. 199; p. 891.
- Envelop. J. W. Burgewitz. No. 1,106,623; Aug. 11; Gaz. vol. 205; p. 408.
- Envelop. W. M. Cary. No. 1,117,479; Nov. 17; Gaz. vol. 208; p. 781.
- Envelop. J. M. Donaldson. No. 1,119,251; Dec. 1; Gaz. vol. 209; p. 121.
- Envelop. B. M. Fennell. No. 1,111,690; Sept. 22; Gaz. vol. 206; p. 1122.
- Envelop. C. G. Glover. No. 1,103,758; July 14; Gaz. vol. 204; p. 582.
- Envelop. E. S. Halsey. No. 1,121,922; Dec. 22; Gaz. vol. 209; p. 1173.
- Envelop. P. Hari. No. 1,104,298; July 21; Gaz. vol. 204; p. 807.
- Envelop. F. Jarvis. No. 1,122,398; Dec. 29; Gaz. vol. 209; p. 1374.
- Envelop. A. G. Jones. No. 1,110,939; Sept. 15; Gaz. vol. 206; p. 819.
- Envelop. G. F. A. McDougall. No. 1,118,668; Nov. 24; Gaz. vol. 208; p. 1238.
- Envelop. K. Miyayaga. No. 1,090,639; Mar. 17; Gaz. vol. 200; p. 767.
- Envelop. L. Rovell. No. 1,110,964; Sept. 15; Gaz. vol. 206; p. 827.
- Envelop. G. Schnitzler. No. 1,098,175; May 26; Gaz. vol. 202; p. 1158.
- Envelop. E. H. Smart. No. 1,087,513; Feb. 17; Gaz. vol. 199; p. 769.
- Envelop. E. N. Todd. No. 1,084,979; Jan. 20; Gaz. vol. 198; p. 631.
- Envelop. A. Utt. No. 1,120,568; Dec. 8; Gaz. vol. 209; p. 615.
- Envelop. H. Wroeger. No. 1,091,028; Mar. 24; Gaz. vol. 200; p. 931.
- Envelop and coin-carrier, Combined. C. C. Taylor. No. 1,108,274; Aug. 25; Gaz. vol. 205; p. 1081.
- Envelop and fastener. L. E. Spring. No. 1,112,486; Oct. 6; Gaz. vol. 207; p. 25.
- Envelop and fastener therefor. M. H. Flaherty. No. 1,109,410; Sept. 1; Gaz. vol. 206; p. 197.
- Envelop and like fastener. F. J. Hodgson. No. 1,105,431; July 28; Gaz. vol. 204; p. 1253.
- Envelop blanks, Machine for making window-. W. H. Banzett. No. 1,118,466; Nov. 24; Gaz. vol. 208; p. 1167.
- Envelop-closure. G. F. Hogan. No. 1,105,785; Aug. 4; Gaz. vol. 205; p. 69.
- Envelop-closure. J. C. Webb. No. 1,110,019; Sept. 8; Gaz. vol. 206; p. 452.
- Envelop, Duplex. A. Miller. No. 1,115,229; Oct. 27; Gaz. vol. 207; p. 1125.
- Envelop-fastener. F. H. Davis. No. 1,093,572; Apr. 14; Gaz. vol. 201; p. 525.
- Envelop-fastener. R. Dunmyer. No. 1,095,562; May 5; Gaz. vol. 202; p. 134.
- Envelop-fastener. J. G. Knurck. No. 1,097,447; May 19; Gaz. vol. 202; p. 858.
- Envelop-fastener. W. J. Norris. No. 1,087,049; Feb. 10; Gaz. vol. 199; p. 555.
- Envelop-feeding attachment. T. A. McCall. No. 1,101,806; June 30; Gaz. vol. 203; p. 1367.
- Envelop-feeding device. O. M. Carleton. No. 1,116,992; Nov. 10; Gaz. vol. 208; p. 570.
- Envelop-feeding mechanism. C. L. Davis. No. 1,088,131; Feb. 24; Gaz. vol. 199; p. 1031.
- Envelop-filling machine. C. L. Lovercheck. No. 1,122,519; Dec. 29; Gaz. vol. 209; p. 1415.
- Envelop for circular-letters. G. R. Sharp. No. 1,108,257; Aug. 25; Gaz. vol. 205; p. 1075.
- Envelop, Laundry-. G. Wordingham. No. 1,105,120; July 28; Gaz. vol. 204; p. 1141.
- Envelop-lock. C. C. Buckner. No. 1,117,969; Nov. 24; Gaz. vol. 208; p. 992.
- Envelop-machine. J. Froehlich. No. 1,108,734; Aug. 25; Gaz. vol. 205; p. 1240.
- Envelop-machine. T. W. Kienast. No. 1,113,019; Oct. 8; Gaz. vol. 207; p. 210.
- Envelop-machine. F. L. McNeill. No. 1,091,229; Mar. 24; Gaz. vol. 200; p. 1000.
- Envelop-machine. A. Novick. No. 1,121,125; Dec. 15; Gaz. vol. 209; p. 860.
- Envelop-machine. C. F. Smith. No. 1,118,515; Nov. 24; Gaz. vol. 208; p. 1184.
- Envelop-making machine. A. Colombo and T. Hugo. No. 1,091,811; Mar. 31; Gaz. vol. 200; p. 1241.
- Envelop-manipulating mechanism. L. E. Morrison. No. 1,106,470; Aug. 11; Gaz. vol. 205; p. 352.
- Envelop-opener. J. F. Fitzpatrick. No. 1,099,975; June 16; Gaz. vol. 203; p. 630.
- Envelop-opener. C. A. Peple. No. 1,099,885; June 9; Gaz. vol. 203; p. 563.
- Envelop-opening device. H. E. Grizzard. No. 1,093,695; Apr. 21; Gaz. vol. 201; p. 613.
- Envelop-opening device. S. W. Roy. No. 1,085,632; Feb. 3; Gaz. vol. 199; p. 18.
- Envelop, Parcel-post. C. U. Thiesen. No. 1,117,927; Nov. 17; Gaz. vol. 208; p. 937.
- Envelop, Return-. W. Thayer. No. 1,091,172; Mar. 24; Gaz. vol. 200; p. 980.
- Envelop, Safety-. J. B. De Matteis. No. 1,104,169; July 21; Gaz. vol. 204; p. 764.
- Envelop, Safety-. H. M. Hill. No. 1,090,617; Mar. 17; Gaz. vol. 200; p. 760.
- Envelop, Safety-. C. J. Kashner. No. 1,121,255; Dec. 15; Gaz. vol. 209; p. 904.
- Envelop, Safety-. E. J. Lewis. No. 1,106,721; Aug. 11; Gaz. vol. 205; p. 441.
- Envelop, Safety-. W. F. Michler. No. 1,092,660; Apr. 7; Gaz. vol. 201; p. 185.
- Envelop, Security-. H. B. Lemmon. No. 1,122,234; Dec. 22; Gaz. vol. 209; p. 1280.
- Envelop-separating mechanism. L. E. Morrison and S. H. Plum, 2d. No. 1,101,467; June 23; Gaz. vol. 203; p. 1198.
- Envelops and the like, Fastening for. J. F. de Macedo. No. 1,097,811; May 26; Gaz. vol. 202; p. 1031.
- Envelops, Closure-flap for. M. Vierengel. No. 1,112,178; Sept. 29; Gaz. vol. 206; p. 1325.
- Enveloping letters, &c., Apparatus for. O. Widmaier. No. 1,120,576; Dec. 8; Gaz. vol. 209; p. 619.
- Equalizer-holder. L. C. Struensee. No. 1,102,815; July 7; Gaz. vol. 204; p. 207.
- Equalizing unlock and impulse action escapement. E. A. Cochran. No. 1,105,062; July 28; Gaz. vol. 204; p. 1122.
- Eraser. F. H. Baldwin. No. 1,090,829; Mar. 24; Gaz. vol. 200; p. 861.
- Eraser. R. A. Costello. No. 1,114,863; Oct. 27; Gaz. vol. 207; p. 994.
- Eraser. T. W. Hanrath. No. 1,116,060; Nov. 3; Gaz. vol. 208; p. 203.
- Eraser, Blackboard-. T. H. Costello. No. 1,089,047; Mar. 3; Gaz. vol. 200; p. 127.
- Eraser, Blackboard-. F. A. Holbrook. No. 1,093,625; Apr. 21; Gaz. vol. 201; p. 587.
- Eraser-cleaner. T. C. Murphy. No. 1,121,570; Dec. 15; Gaz. vol. 209; p. 1013.
- Eraser, Dust-collecting. C. McClintock and L. McTurnan. No. 1,092,535; Apr. 7; Gaz. vol. 201; p. 142.
- Eraser for lead-pencils. A. Kilstrom. No. 1,104,514; July 21; Gaz. vol. 204; p. 884.
- Eraser-holder. C. E. Moon. No. 1,098,287; May 26; Gaz. vol. 202; p. 1197.
- Eraser-holder. A. E. Yaccarine. No. 1,113,527; Oct. 13; Gaz. vol. 207; p. 433.
- Eraser, Pencil-. W. W. Allen. No. 1,121,318; Dec. 15; Gaz. vol. 209; p. 926.
- Erasing apparatus for writing instruments. J. P. Nace. No. 1,121,753; Dec. 22; Gaz. vol. 209; p. 1112.
- Escapement. M. W. Davies. No. 1,120,694; Dec. 15; Gaz. vol. 209; p. 707.
- Escapement mechanism. J. E. Molle. No. 1,084,160; Jan. 13; Gaz. vol. 198; p. 329.
- Escutcheon-plate. C. R. Snyder. No. 1,112,485; Oct. 6; Gaz. vol. 207; p. 25.
- Esters and ethers of ethylidene glycol and of vinyl alcohol, Manufacture of. F. Klatte. No. 1,084,581; Jan. 13; Gaz. vol. 198; p. 468.
- Ethane, Manufacturing. S. P. Mulliken and H. K. Moore. No. 1,107,696; Aug. 18; Gaz. vol. 205; p. 832.
- Ethereal-wave-responsive device. E. Weintraub. No. 1,096,142; May 12; Gaz. vol. 202; p. 365.
- Ethers, Formation of diaryl. L. Ostermann. No. 1,099,761; June 9; Gaz. vol. 203; p. 520.
- Evacuator. A. W. Schramm and P. Russell. No. 1,094,257; Apr. 21; Gaz. vol. 201; p. 799.
- Evaporating-accelerator. E. C. Dun. No. 1,110,752; Sept. 15; Gaz. vol. 206; p. 752.
- Evaporating and concentrating apparatus. H. K. Moore. No. 1,098,825; June 2; Gaz. vol. 203; p. 158.
- Evaporating and distilling apparatus. J. T. Davis. No. 1,103,946; July 21; Gaz. vol. 204; p. 688.
- Evaporating apparatus. T. F. Sanborn. No. 1,116,927; Nov. 10; Gaz. vol. 208; p. 548.
- Evaporating apparatus, Multiple-effect. R. Lougher. No. 1,105,443; July 28; Gaz. vol. 204; p. 1257.
- Evaporation, Continuous. M. Prager. No. 1,096,193; May 12; Gaz. vol. 202; p. 381.
- Evaporative cooler. T. A. Henderson. No. 1,089,837; Mar. 10; Gaz. vol. 200; p. 446.
- Evaporative cooler. W. M. Reeves. No. 1,086,219; Feb. 3; Gaz. vol. 199; p. 225.
- Evaporator. F. M. De Beers. No. 1,117,005; Nov. 10; Gaz. vol. 208; p. 576.

Alphabetical list of inventions—Continued.

- Evaporator. A. B. Kirk and O. J. Hobson. No. 1,092,796; Apr. 7; Gaz. vol. 201; p. 230.
- Evaporator. F. Schulz. No. 1,091,897; Mar. 31; Gaz. vol. 200; p. 1270.
- Evaporator. W. W. True. No. 1,096,328; May 12; Gaz. vol. 202; p. 432.
- Evaporator. J. T. Wann. No. 1,089,027; Mar. 3; Gaz. vol. 200; p. 121.
- Evaporator. E. Zarembo and O. Mantius. No. 1,106,532; Aug. 11; Gaz. vol. 205; p. 374.
- Evener. R. S. Curley and J. Moss. No. 1,102,726; July 7; Gaz. vol. 204; p. 176.
- Evener. R. H. Keith and F. H. Brooks. No. 1,089,927; Mar. 10; Gaz. vol. 200; p. 479.
- Evener. R. J. Paul. No. 1,109,868; Sept. 8; Gaz. vol. 206; p. 398.
- Evener, Four-horse. R. I. Smith. No. 1,091,711; Mar. 31; Gaz. vol. 200; p. 1204.
- Examining small articles, Device for. E. M. Strickland. No. 1,120,421; Dec. 8; Gaz. vol. 209; p. 563.
- Excavating and loading apparatus. J. Bauer. No. 1,094,967; Apr. 28; Gaz. vol. 201; p. 1107.
- Excavating apparatus. I. A. Greenwood. No. 1,114,255; Oct. 20; Gaz. vol. 207; p. 728.
- Excavating device. W. C. Weeks. No. 1,110,604; Sept. 15; Gaz. vol. 206; p. 701.
- Excavating-machine. M. G. Bunnell. No. 1,123,089; Dec. 29; Gaz. vol. 209; p. 1616.
- Excavating-machine. R. H. Burke and P. Harrington. No. 1,100,052; June 16; Gaz. vol. 203; p. 657.
- Excavating-machine. C. E. Negley. No. 1,086,304; Feb. 3; Gaz. vol. 199; p. 252.
- Excavating-machine. C. E. Stahl. No. 1,108,268; Aug. 25; Gaz. vol. 205; p. 1079.
- Excavating-machine-steering mechanism. C. B. King, C. B. Weston, and L. R. Russell. No. 1,100,080; June 16; Gaz. vol. 203; p. 668.
- Excavating-machines, Means for supporting and moving. C. W. Rood and C. C. Jacobs. No. 1,086,466; Feb. 10; Gaz. vol. 199; p. 355.
- Excavating-machines, Two-part dipper for. E. S. Black. No. 1,107,252; Aug. 18; Gaz. vol. 205; p. 674.
- Excavating machinery. G. H. Dunlop. No. 1,098,146; May 26; Gaz. vol. 202; p. 1147.
- Excavating tunnels and shafts, Shield for. W. M. McDowell. No. 1,100,142; June 16; Gaz. vol. 203; p. 689.
- Excavations, Shoring. J. J. Kennedy. No. 1,105,145; July 28; Gaz. vol. 204; p. 1149.
- Excavator. L. P. Clutter. No. 1,107,899; Aug. 18; Gaz. vol. 205; p. 901.
- Excavator. A. C. Heck. No. 1,110,931; Sept. 15; Gaz. vol. 206; p. 816.
- Excavator. V. P. Keller. No. 1,094,215; Apr. 21; Gaz. vol. 201; p. 786.
- Excavator. W. P. King. No. 1,115,437; Oct. 27; Gaz. vol. 207; p. 1194.
- Excavator and conveyor. J. M. Lee. No. 1,083,897; Jan. 6; Gaz. vol. 198; p. 206.
- Excavator and loader apparatus. G. W. Rauls. No. 1,116,843; Nov. 10; Gaz. vol. 208; p. 519.
- Excavator-bucket. E. R. Shnable. No. 1,093,887; Apr. 21; Gaz. vol. 201; p. 675.
- Excavator-cable. A. D. Hadsel. No. 1,103,762; July 14; Gaz. vol. 204; p. 583.
- Excavator-dipper. A. L. Gillam. No. 1,120,806; Dec. 15; Gaz. vol. 209; p. 746.
- Excavator, Drag-line. S. R. W. M. Bager. No. 1,105,480; July 28; Gaz. vol. 204; p. 1270.
- Excavator, Manual. J. Austin. No. 1,086,122; Feb. 3; Gaz. vol. 199; p. 195.
- Excavator-tractor. O. J. Martinson. No. 1,095,464; May 5; Gaz. vol. 202; p. 99.
- Excavators, Dumping mechanism for drag-line. W. Ferris and L. Wehner. No. 1,099,642; June 9; Gaz. vol. 203; p. 480.
- Excavators, Suction-mouthpiece for. N. Long. No. 1,100,753; June 23; Gaz. vol. 203; p. 951.
- Excelsior-machine. O. Chaffey. No. 1,107,031; Aug. 11; Gaz. vol. 205; p. 546.
- Exerciser. E. A. Friedli. No. 1,114,458; Oct. 20; Gaz. vol. 207; p. 801.
- Exercising apparatus. O. E. Boone. No. 1,116,229; Nov. 3; Gaz. vol. 208; p. 261.
- Exercising apparatus. R. J. R. Caines. No. 1,112,114; Sept. 29; Gaz. vol. 206; p. 1302.
- Exercising apparatus. H. F. Holworthy. No. 1,104,505; July 21; Gaz. vol. 204; p. 880.
- Exercising apparatus. J. Koch. No. 1,098,326; May 26; Gaz. vol. 202; p. 1211.
- Exercising apparatus. J. Koch. No. 1,098,327; May 26; Gaz. vol. 202; p. 1211.
- Exercising apparatus. J. F. Thomas. No. 1,096,206; May 12; Gaz. vol. 202; p. 386.
- Exercising apparatus, Electrical. F. E. Coulter. No. 1,117,796; Nov. 17; Gaz. vol. 208; p. 894.
- Exercising apparatus, Electromedical. G. J. Katz. No. 1,088,780; Mar. 3; Gaz. vol. 200; p. 37.
- Exercising device, Wrestling. W. P. Armstrong. No. 1,099,417; June 9; Gaz. vol. 203; p. 404.
- Exercising-machine for gaming apparatus. D. H. Kleinschmidt. No. 1,105,329; July 28; Gaz. vol. 204; p. 1216.
- Exhaust apparatus. M. S. Wright. No. 1,089,178; Mar. 3; Gaz. vol. 200; p. 176.
- Exhaust-head. C. B. Klingemann and W. G. Ruggles. No. 1,091,145; Mar. 24; Gaz. vol. 200; p. 970.
- Exhaust-regulator. R. Walker. No. 1,119,331; Dec. 1; Gaz. vol. 209; p. 148.
- Exhaust-whistle. A. H. Treloggan. No. 1,120,424; Dec. 8; Gaz. vol. 209; p. 564.
- Exhibit device. I. Nutry. No. 1,089,858; Mar. 10; Gaz. vol. 200; p. 453.
- Exhibit or display receptacle. W. F. Bode. No. 1,083,655; Jan. 6; Gaz. vol. 198; p. 131.
- Exhibiting apparatus. A. P. Roesener. No. 1,087,889; Feb. 17; Gaz. vol. 199; p. 898.
- Exhibiting device. R. P. Jarvis. No. 1,113,786; Oct. 13; Gaz. vol. 207; p. 523.
- Exhibiting device. H. D. Schroeder. No. 1,120,982; Dec. 15; Gaz. vol. 209; p. 807.
- Exhibiting mechanism. C. M. Eveleth. No. 1,096,360; May 12; Gaz. vol. 202; p. 441.
- Exhibitor. P. H. Healy. No. 1,085,906; Feb. 3; Gaz. vol. 199; p. 116.
- Exhibitor, Changeable. E. O. Babcock. No. 1,115,884; Nov. 3; Gaz. vol. 208; p. 142.
- Exhibitor, Changeable. H. E. Shedd. No. 1,088,461; Feb. 24; Gaz. vol. 199; p. 1142.
- Expanding-head. C. Sonneborn. No. 1,120,100; Dec. 8; Gaz. vol. 209; p. 448.
- Expansile bolt. O. and E. Johnson. No. 1,115,205; Oct. 27; Gaz. vol. 207; p. 1117.
- Expansile box. H. V. Martin. No. 1,120,955; Dec. 15; Gaz. vol. 209; p. 799.
- Expansile chamber. H. E. Oxnard. No. 1,085,818; Feb. 3; Gaz. vol. 199; p. 85.
- Expansile chamber. H. E. Oxnard. No. 1,119,984; Dec. 8; Gaz. vol. 209; p. 409.
- Expansile mold. C. E. Maggard. No. 1,086,379; Feb. 10; Gaz. vol. 199; p. 324.
- Expansile wheel. H. C. Little. No. 1,110,804; Sept. 15; Gaz. vol. 206; p. 770.
- Expansion and contraction joint. A. W. Cordes. No. 1,122,866; Dec. 29; Gaz. vol. 209; p. 1539.
- Expansion-bolt. E. Adler. No. 1,108,656; Aug. 25; Gaz. vol. 205; p. 1213.
- Expansion-bolt. A. C. Barrett. No. 1,090,900; Mar. 24; Gaz. vol. 200; p. 884.
- Expansion-bolt. A. C. Barrett. No. 1,109,955; Sept. 8; Gaz. vol. 206; p. 430.
- Expansion-bolt. A. C. Barrett. No. 1,116,545; Nov. 10; Gaz. vol. 208; p. 412.
- Expansion-bolt. J. F. Booraem and G. E. Rohmer. No. 1,120,368; Dec. 8; Gaz. vol. 209; p. 544.
- Expansion-bolt. J. R. Conrad. No. 1,121,980; Dec. 22; Gaz. vol. 209; p. 1194.
- Expansion-bolt. J. Kennedy. No. 1,112,417; Sept. 29; Gaz. vol. 206; p. 1410.
- Expansion-bolt. R. R. Knox. No. 1,110,797; Sept. 15; Gaz. vol. 206; p. 768.
- Expansion-bolt. D. Masor. No. 1,101,302; June 23; Gaz. vol. 203; p. 1142.
- Expansion-bolt. G. E. Rohmer and J. F. Booraem. No. 1,120,408; Dec. 8; Gaz. vol. 209; p. 558.
- Expansion-bolt. G. E. Rohmer. No. 1,120,657; Dec. 8; Gaz. vol. 209; p. 647.
- Expansion-bolt. G. E. Rohmer, J. F. Booraem, and R. Morley. No. 1,120,409; Dec. 8; Gaz. vol. 209; p. 559.
- Expansion-bolt. L. R. Zifferer. No. 1,121,963; Dec. 22; Gaz. vol. 209; p. 1187.
- Expansion-joint. S. T. Morse and W. D. P. Warren. No. 1,089,943; Mar. 10; Gaz. vol. 200; p. 484.
- Expansion-joint cushion. W. R. Lonsdale. No. 1,085,275; Jan. 27; Gaz. vol. 198; p. 771.
- Expansion-nail. G. C. Raeger. No. 1,104,544; July 21; Gaz. vol. 204; p. 895.
- Expansion-trap. F. L. Watson. No. 1,096,654; May 12; Gaz. vol. 202; p. 540.
- Explosion-engine. W. J. Miller and D. W. Jones. No. 1,104,438; July 21; Gaz. vol. 204; p. 855.
- Explosion-engine. E. L. Thomas. No. 1,088,851; Mar. 3; Gaz. vol. 200; p. 60.
- Explosion-guard. F. O. Hoagland. No. 1,086,707; Feb. 10; Gaz. vol. 199; p. 439.
- Explosion-guard. F. O. Hoagland. No. 1,086,708; Feb. 10; Gaz. vol. 199; p. 439.
- Explosion-motor. M. B. Crist. No. 1,083,433; Jan. 6; Gaz. vol. 198; p. 59.
- Explosion-motor. M. B. Crist. No. 1,089,462; Mar. 10; Gaz. vol. 200; p. 317.
- Explosion-motor. A. T. Kasley. No. 1,089,478; Mar. 10; Gaz. vol. 200; p. 323.
- Explosion-motor. J. L. Thivolle. No. 1,087,470; Feb. 17; Gaz. vol. 199; p. 755.
- Explosion or internal-combustion and compressed-air engine, Combined. P. Nolet. No. 1,090,561; Mar. 17; Gaz. vol. 200; p. 740.
- Explosive. A. E. Charbonneaux. No. 1,093,767; Apr. 21; Gaz. vol. 201; p. 635.

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- Explosive. F. L. Nathan, W. Rintoul, and F. Baker. No. 1,090,642; Mar. 17; Gaz. vol. 200; p. 768.
- Explosive. F. L. Nathan, W. Rintoul, and F. Baker. No. 1,090,643; Mar. 17; Gaz. vol. 200; p. 768.
- Explosive. F. L. Nathan, W. Rintoul, and F. Baker. No. 1,090,644; Mar. 17; Gaz. vol. 200; p. 768.
- Explosive. O. Silberrad. No. 1,092,758; Apr. 7; Gaz. vol. 201; p. 218.
- Explosive. O. Silberrad. No. 1,102,964; July 7; Gaz. vol. 204; p. 257.
- Explosive. A. Voigt. No. 1,095,302; May 5; Gaz. vol. 202; p. 44.
- Explosive, Antimony-sulfid-coated granulated. W. R. Hibbard. No. 1,108,437; Aug. 25; Gaz. vol. 205; p. 1136.
- Explosive-cap protection. C. H. Allison. No. 1,094,692; Apr. 28; Gaz. vol. 201; p. 1010.
- Explosive charge. E. Jandrier and G. S. Merrill. No. 1,109,292; Sept. 1; Gaz. vol. 206; p. 154.
- Explosive compound. W. C. Waddell. No. 1,105,865; Aug. 4; Gaz. vol. 205; p. 98.
- Explosive compounds, Manufacturing. W. C. Waddell. No. 1,105,864; Aug. 4; Gaz. vol. 205; p. 98.
- Explosive-engine. H. H. Abbott and N. L. Dean. No. 1,100,279; June 16; Gaz. vol. 203; p. 736.
- Explosive-engine. T. Barnes. No. 1,116,211; Nov. 3; Gaz. vol. 208; p. 254.
- Explosive-engine. W. K. Bassford. No. 1,105,016; July 28; Gaz. vol. 204; p. 1104.
- Explosive-engine. W. K. Bassford. No. 1,105,017; July 28; Gaz. vol. 204; p. 1105.
- Explosive-engine. W. K. Bassford. No. 1,105,592; July 28; Gaz. vol. 204; p. 1308.
- Explosive-engine. J. A. Charter. No. 1,106,782; Aug. 11; Gaz. vol. 205; p. 462.
- Explosive-engine. A. L. Colmant. No. 1,101,408; June 23; Gaz. vol. 203; p. 1178.
- Explosive-engine. L. C. Conner. No. 1,119,347; Dec. 1; Gaz. vol. 209; p. 154.
- Explosive-engine. C. L. Cookson. No. 1,110,612; Sept. 15; Gaz. vol. 206; p. 704.
- Explosive-engine. F. J. Crouch and H. Stutsman. No. 1,093,317; Apr. 14; Gaz. vol. 201; p. 446.
- Explosive-engine. S. H. Dale. No. 1,096,604; May 12; Gaz. vol. 202; p. 522.
- Explosive-engine. G. F. Dillig. No. 1,092,205; Apr. 7; Gaz. vol. 201; p. 28.
- Explosive-engine. A. E. S. Fagerholm. No. 1,089,194; Mar. 3; Gaz. vol. 200; p. 181.
- Explosive-engine. M. Goldberger. No. 1,101,737; June 30; Gaz. vol. 203; p. 1341.
- Explosive-engine. R. G. Handy. No. 1,122,387; Dec. 29; Gaz. vol. 209; p. 1370.
- Explosive-engine. W. L. Marr. No. 1,104,059; July 21; Gaz. vol. 204; p. 726.
- Explosive-engine. A. M. McSweeney. No. 1,101,308; June 23; Gaz. vol. 203; p. 1144.
- Explosive-engine. G. Milne. No. 1,088,292; Feb. 24; Gaz. vol. 199; p. 1085.
- Explosive-engine. J. M. Morgan. No. 1,089,779; Mar. 10; Gaz. vol. 200; p. 426.
- Explosive-engine. C. H. Paulsen. No. 1,114,511; Oct. 20; Gaz. vol. 207; p. 820.
- Explosive-engine. S. A. Rhodes. No. 1,086,857; Feb. 10; Gaz. vol. 199; p. 493.
- Explosive-engine. C. C. Rogers. No. 1,091,766; Mar. 31; Gaz. vol. 200; p. 1224.
- Explosive-engine. J. H. Schulze. No. 1,092,866; Apr. 14; Gaz. vol. 201; p. 290.
- Explosive-engine. L. Scott. No. 1,097,475; May 19; Gaz. vol. 202; p. 869.
- Explosive-engine. F. S. Thornley. No. 1,096,968; May 19; Gaz. vol. 202; p. 691.
- Explosive-engine. D. M. Tulloch. No. 1,086,245; Feb. 3; Gaz. vol. 199; p. 234.
- Explosive-engine. A. S. Webster, Jr. No. 1,096,141; May 12; Gaz. vol. 202; p. 365.
- Explosive-engine. R. E. Wetzell. No. 1,116,774; Nov. 10; Gaz. vol. 208; p. 494.
- Explosive-engine. W. E. Williams. No. 1,100,166; June 16; Gaz. vol. 203; p. 698.
- Explosive-engine. W. Woodward. No. 1,108,303; Aug. 25; Gaz. vol. 205; p. 1092.
- Explosive-engine. E. J. Woolf. No. 1,121,153; Dec. 15; Gaz. vol. 209; p. 871.
- Explosive-engine. E. J. and J. F. Woolf. No. 1,096,211; May 12; Gaz. vol. 202; p. 388.
- Explosive-engine, Multiple-cylinder two-cycle. A. Winton and H. B. Anderson. No. 1,101,895; June 30; Gaz. vol. 203; p. 1397.
- Explosive-engine, Rotary. E. I. Anderson. No. 1,107,872; Aug. 18; Gaz. vol. 205; p. 893.
- Explosive-mixture heater and diluter. H. M. Smith. No. 1,117,141; Nov. 10; Gaz. vol. 208; p. 622.
- Explosive mixture, Producing an. A. A. Hamerschlag. No. 1,093,406; Apr. 14; Gaz. vol. 201; p. 475.
- Explosive-motor. W. H. Acker. No. 1,097,579; May 19; Gaz. vol. 202; p. 903.
- Explosive-motor fuel-pump, Aerating. J. Shaw. No. 1,119,323; Dec. 1; Gaz. vol. 209; p. 145.
- Explosive priming composition. A. Jaques and G. Wells. No. 1,106,147; Aug. 4; Gaz. vol. 205; p. 197.
- Explosives, Envelop and the like for. A. Boecker. No. 1,096,014; May 12; Gaz. vol. 202; p. 322.
- Explosives, Manufacturing combustibles for. O. B. Carlson. No. 1,122,072; Dec. 22; Gaz. vol. 209; p. 1226.
- Explosives, Protective sheath or envelop for liquid-air or liquid-oxygen. G. Claude. No. 1,111,248; Sept. 22; Gaz. vol. 206; p. 968.
- Explosives, Timed detonator for. M. W. Quiggle and G. E. Bailey. No. 1,088,448; Feb. 24; Gaz. vol. 199; p. 1138.
- Explosives, Varying the velocity of detonation of. C. A. Woodburg. No. 1,113,275; Oct. 13; Gaz. vol. 207; p. 344.
- Explosives with liquid oxygen, Composition for forming. G. Claude. No. 1,111,247; Sept. 22; Gaz. vol. 206; p. 968.
- Expression-controller. F. C. White. No. 1,093,228; Apr. 14; Gaz. vol. 201; p. 414.
- Expression-regulator. J. Sampere. No. 1,091,086; Mar. 24; Gaz. vol. 200; p. 950.
- Extensible fork. S. Parker. No. 1,121,657; Dec. 22; Gaz. vol. 209; p. 1080.
- Extensible table. C. H. Harris. No. 1,092,045; Mar. 31; Gaz. vol. 200; p. 1318.
- Extensible table. N. Jacovatos. No. 1,107,954; Aug. 18; Gaz. vol. 205; p. 919.
- Extensible table. J. Sedaj. No. 1,086,232; Feb. 3; Gaz. vol. 199; p. 230.
- Extension-drill. J. H. Rusby. No. 1,093,478; Apr. 14; Gaz. vol. 201; p. 496.
- Extension-rod. L. W. Bond. No. 1,115,492; Nov. 3; Gaz. vol. 208; p. 9.
- Extension-table. F. L. Casper. No. 1,121,611; Dec. 22; Gaz. vol. 209; p. 1062.
- Extension-table. L. J. Chapman. No. 1,099,787; June 9; Gaz. vol. 203; p. 529.
- Extension-table. W. N. Grumstrup. No. 1,096,906; May 19; Gaz. vol. 202; p. 669.
- Extension-table. J. Ingells. No. 1,106,872; Aug. 11; Gaz. vol. 205; p. 494.
- Extension-table. J. Ingells. No. 1,122,205; Dec. 22; Gaz. vol. 209; p. 1269.
- Extension-table. T. F. Merrett. No. 1,116,314; Nov. 3; Gaz. vol. 208; p. 288.
- Extension-table. E. H. Mersman. No. 1,109,243; Sept. 1; Gaz. vol. 206; p. 137.
- Extension-table. V. F. Neumann. No. 1,088,612; Feb. 24; Gaz. vol. 199; p. 1189.
- Extension-table. J. Pohndorf. No. 1,114,513; Oct. 20; Gaz. vol. 207; p. 821.
- Extension-table. L. Sarkoze. No. 1,086,941; Feb. 10; Gaz. vol. 199; p. 520.
- Extension-table. H. A. Stonesifer. No. 1,099,776; June 9; Gaz. vol. 203; p. 525.
- Extension-table. J. B. Weeks. No. 1,099,780; June 9; Gaz. vol. 203; p. 526.
- Extracting apparatus. J. H. Castana. No. 1,092,019; Mar. 31; Gaz. vol. 200; p. 1309.
- Extractor. *See* Bung-extractor; Centrifugal extractor; cork-extractor; Dental crown-post extractor; Drill-extractor; Hydro-extractor; Juice-extractor; Lemon-juice extractor; Nail-extractor; Pen-extractor; Rod-extractor; Screw-extractor; Seed-extractor; Stopper-extractor; Stump-extractor; Turpentine-extractor; Turpentine and resin extractor; Weed-extractor.
- Extractor. J. H. Castana. No. 1,093,312; May 26; Gaz. vol. 202; p. 1206.
- Extractor. J. H. Castana. No. 1,112,980; Oct. 6; Gaz. vol. 207; p. 198.
- Extracts for use in the preparation of beverages and the like, Manufacturing powdered. J. L. Kellogg. No. 1,097,720; May 26; Gaz. vol. 202; p. 998.
- Extrusion-machine. D. L. Summey. No. 1,109,555; Sept. 1; Gaz. vol. 206; p. 244.
- Eye and hook former. A. J. Newton. No. 1,086,552; Feb. 10; Gaz. vol. 199; p. 385.
- Eye-bath. J. E. Ross. No. 1,121,667; Dec. 22; Gaz. vol. 209; p. 1083.
- Eye-feeding device. W. L. Curtis. No. 1,095,193; May 5; Gaz. vol. 202; p. 7.
- Eye-feeding mechanism. W. L. Curtis. No. 1,095,191; May 5; Gaz. vol. 202; p. 6.
- Eye for garment-hooks. F. A. von Boyneburgk. No. 1,102,134; June 30; Gaz. vol. 203; p. 1484.
- Eye-guard. H. H. Hansen. No. 1,099,147; June 2; Gaz. vol. 203; p. 264.
- Eye-hopper. P. F. Kleinert. No. 1,095,330; May 5; Gaz. vol. 202; p. 54.
- Eye-muscle-exercising apparatus. A. Mailer. No. 1,119,184; Dec. 1; Gaz. vol. 209; p. 99.
- Eye-shade. C. H. Butler and M. P. Miller. No. 1,109,398; Sept. 1; Gaz. vol. 206; p. 193.
- Eye-shade. R. Grant. No. 1,097,923; May 26; Gaz. vol. 202; p. 1071.
- Eye-shade. J. P. Schneider. No. 1,110,350; Sept. 15; Gaz. vol. 206; p. 611.
- Eye-shade and fan, Combined. E. J. Williams. No. 1,083,313; Jan. 6; Gaz. vol. 198; p. 19.
- Eye-testing device. J. Ouimette. No. 1,084,561; Jan. 13; Gaz. vol. 198; p. 461.

Alphabetical list of inventions—Continued.

- Eyes and similar articles, Gravity feeding device for. W. L. Curtis. No. 1,095,192; May 5; Gaz. vol. 202; p. 6.
- Eyes, Instrument for testing the refraction of the. C. C. Allen. No. 1,116,529; Nov. 10; Gaz. vol. 208; p. 405.
- Eyebolt, Suspension-insulator. J. A. Sanford, Jr. No. 1,122,030; Dec. 22; Gaz. vol. 209; p. 1212.
- Eyeglass and spectacle bridges, Blank for. F. A. Stevens. No. 1,097,063; May 19; Gaz. vol. 202; p. 725.
- Eyeglass and spectacle mounting, Frameless. J. H. Brown. No. 1,114,577; Oct. 20; Gaz. vol. 207; p. 841.
- Eyeglass-case. A. J. Pratt. No. 1,100,987; June 23; Gaz. vol. 203; p. 1034.
- Eyeglass-cases, Attachment for. E. F. Flanagan. No. 1,105,069; July 28; Gaz. vol. 204; p. 1124.
- Eyeglass-cleaner. K. M. Serres. No. 1,091,396; Mar. 24; Gaz. vol. 200; p. 1053.
- Eyeglass-cords and the like, Self-winding device for. J. R. Smith. No. 1,120,341; Dec. 8; Gaz. vol. 209; p. 535.
- Eyeglass-holder, Adjustable finger-piece. L. T. Feaster. No. 1,105,641; Aug. 4; Gaz. vol. 205; p. 20.
- Eyeglass-mounting. L. F. Add. No. 1,095,367; May 5; Gaz. vol. 202; p. 66.
- Eyeglass-mounting. L. F. Add. No. 1,103,240; July 14; Gaz. vol. 204; p. 403.
- Eyeglass-mounting. G. A. Bader. No. 1,094,512; Apr. 28; Gaz. vol. 201; p. 945.
- Eyeglass-mounting. G. A. Bader. No. 1,116,363; Nov. 10; Gaz. vol. 208; p. 346.
- Eyeglass-mounting. W. D. Fennimore. No. 1,121,555; Dec. 15; Gaz. vol. 209; p. 1008.
- Eyeglass-mounting. J. Friedlander. No. 1,091,825; Mar. 31; Gaz. vol. 200; p. 1245.
- Eyeglass-mounting. C. P. Linden. No. 1,121,190; Dec. 15; Gaz. vol. 209; p. 882.
- Eyeglass-mounting. G. J. Lowres. No. 1,115,700; Nov. 3; Gaz. vol. 208; p. 81.
- Eyeglass-mounting. A. J. Morrarty. No. 1,121,115; Dec. 15; Gaz. vol. 209; p. 857.
- Eyeglass-mounting. F. W. Nolte. No. 1,110,002; Sept. 8; Gaz. vol. 206; p. 447.
- Eyeglass-mounting. F. A. Persohn. No. 1,093,355; Apr. 14; Gaz. vol. 201; p. 457.
- Eyeglass-mounting. J. Rosenblatt. No. 1,088,095; Feb. 24; Gaz. vol. 199; p. 1019.
- Eyeglass nose-guard. A. J. Klein. No. 1,109,930; Sept. 8; Gaz. vol. 206; p. 421.
- Eyeglasses. N. M. Baker. No. 1,099,111; June 2; Gaz. vol. 203; p. 251.
- Eyeglasses. N. M. Baker. No. 1,100,466; June 16; Gaz. vol. 203; p. 801.
- Eyeglasses. E. C. Bernheim. No. 1,094,969; Apr. 28; Gaz. vol. 201; p. 1108.
- Eyeglasses. G. H. Chapel. No. 1,086,439; Feb. 10; Gaz. vol. 199; p. 345.
- Eyeglasses. G. H. Chapel. No. 1,104,034; July 21; Gaz. vol. 204; p. 717.
- Eyeglasses. B. M. Hanna. No. 1,102,909; July 7; Gaz. vol. 204; p. 238.
- Eyeglasses. E. Hellriegel. No. 1,092,360; Apr. 7; Gaz. vol. 201; p. 82.
- Eyeglasses. J. E. Higgins. No. 1,103,046; July 14; Gaz. vol. 204; p. 333.
- Eyeglasses. E. F. Messier. No. 1,113,811; Oct. 13; Gaz. vol. 207; p. 532.
- Eyeglasses. H. Newbold. No. 1,098,831; June 2; Gaz. vol. 203; p. 160.
- Eyeglasses. H. K. Parsons. No. 1,119,035; Dec. 1; Gaz. vol. 209; p. 49.
- Eyeglasses. F. Pels-Leusden. No. 1,083,699; Jan. 6; Gaz. vol. 198; p. 146.
- Eyeglasses. F. Pels-Leusden. No. 1,083,700; Jan. 6; Gaz. vol. 198; p. 146.
- Eyeglasses. C. M. Stevenson and N. M. Baker. No. 1,104,152; July 21; Gaz. vol. 204; p. 757.
- Eyeglasses. W. R. Uhlemann. No. 1,120,767; Dec. 15; Gaz. vol. 209; p. 733.
- Eyeglasses. J. C. Wells. No. 1,114,830; Oct. 27; Gaz. vol. 207; p. 982.
- Eyeglasses and mounting. W. I. Fancher. No. 1,107,598; Aug. 18; Gaz. vol. 205; p. 797.
- Eyeglasses and spectacles. N. M. Baker. No. 1,119,790; Dec. 8; Gaz. vol. 209; p. 341.
- Eyeglasses and the like. G. W. Baker. No. 1,085,522; Jan. 27; Gaz. vol. 198; p. 853.
- Eyeglasses, Bridge-connecting clip for rimless. F. Pels-Leusden. No. 1,096,858; May 19; Gaz. vol. 202; p. 652.
- Eyeglasses, Detachable lens-mount for. B. Moldenhauer. No. 1,107,823; Aug. 18; Gaz. vol. 205; p. 876.
- Eyeglasses, Lens-mounting for. F. H. Kahn. No. 1,097,129; May 19; Gaz. vol. 202; p. 748.
- Eyeglasses, Nose-clip for. C. O. Pettersson. No. 1,108,226; Aug. 25; Gaz. vol. 205; p. 1064.
- Eyeglasses, Repair device for rimless. G. A. Hilbert. No. 1,087,657; Feb. 17; Gaz. vol. 199; p. 822.
- Eyeglasses, Rigid-bridge. F. Pels-Leusden. No. 1,098,918; June 2; Gaz. vol. 203; p. 191.
- Eyeglasses, Rigid-bridge. F. Pels-Leusden. No. 1,112,830; Oct. 6; Gaz. vol. 207; p. 147.
- Eyeglasses, Rimless. R. J. Fleming and T. A. Robinson. No. 1,084,262; Jan. 13; Gaz. vol. 198; p. 363.
- Eyelet. L. D. Baker. No. 1,121,157; Dec. 15; Gaz. vol. 209; p. 872.
- Eyelet. W. M. Hurley. No. 1,109,647; Sept. 1; Gaz. vol. 206; p. 279.
- Eyelet-setting device. F. S. Glines. No. 1,110,258; Sept. 8; Gaz. vol. 206; p. 538.
- Eyelet-setting machine. W. Hughes. (Reissue.) No. 13,683; Feb. 3; Gaz. vol. 199; p. 265.
- Eyelet-setting means. W. A. Bernard. No. 1,105,872; Aug. 4; Gaz. vol. 205; p. 100.
- Eyelets and other articles, Machine for making. F. G. Neuberth. No. 1,099,717; June 9; Gaz. vol. 203; p. 506.
- Eyelets and other articles, Making. F. G. Neuberth. No. 1,099,716; June 9; Gaz. vol. 203; p. 506.
- Eyelets and the like, Forming and inserting. E. Kempshall. No. 1,122,280; Dec. 29; Gaz. vol. 209; p. 1335.
- Eyelets in flexible material, Device for setting. L. Muther. No. 1,112,643; Oct. 6; Gaz. vol. 207; p. 83.
- Eyelets, Upsetting-tool for. G. M. Williams. No. 1,123,153; Dec. 29; Gaz. vol. 209; p. 1640.
- Eyeletting-machine. J. A. Dunphy. No. 1,121,990; Dec. 22; Gaz. vol. 209; p. 1196.
- Eyeletting-machine. E. S. Ensign. No. 1,119,417; Dec. 1; Gaz. vol. 209; p. 170.
- Eyeletting-machine. J. Keller. No. 1,112,704; Oct. 6; Gaz. vol. 207; p. 105.
- Eyeletting-machine. F. A. Rumney. No. 1,122,310; Dec. 29; Gaz. vol. 209; p. 1345.
- Eyeletting-machine. R. B. Smith. No. 1,116,507; Nov. 10; Gaz. vol. 208; p. 397.
- Eyeletting-machine. L. F. Weber. No. 1,119,911; Dec. 8; Gaz. vol. 209; p. 382.
- Eyesight-improving device. A. W. Stephens. No. 1,117,718; Nov. 17; Gaz. vol. 208; p. 866.
- Fabric. See Balloon fabric; Bed fabric; Bed-bottom fabric; Bed-spring fabric; Belt fabric; Composite fabric; Insulating fabric; Interlining fabric; Knit fabric; Knitted fabric; Lace fabric; Laminated fabric; Matting fabric; Metal fabric; Pile fabric; Stencil fabric; Tubular fabric; Union fabric; Wire fabric; Wire bed-bottom fabric; Wire couch fabric; Woven fabric.
- Fabric articles, Anchoring member for. T. Sloper. No. 1,093,213; Apr. 14; Gaz. vol. 201; p. 408.
- Fabric-clamp. F. A. Donnelly and J. E. Blanthorn. No. 1,106,136; Aug. 4; Gaz. vol. 205; p. 194.
- Fabric-drying apparatus. J. A. Firsching. No. 1,107,162; Aug. 11; Gaz. vol. 205; p. 595.
- Fabric-feeding mechanism. C. J. Landin. No. 1,114,487; Oct. 20; Gaz. vol. 207; p. 812.
- Fabric folder, Heavy-. C. M. Horton. No. 1,118,284; Nov. 24; Gaz. vol. 208; p. 1101.
- Fabric-heating apparatus, Coated-. W. B. Wescott. No. 1,084,513; Jan. 13; Gaz. vol. 198; p. 443.
- Fabric, Machine for making coat-of-mail. G. Gros. No. 1,087,941; Feb. 24; Gaz. vol. 199; p. 963.
- Fabric, Machine for making flexible metal. A. C. Pratt. No. 1,117,703; Nov. 17; Gaz. vol. 208; p. 861.
- Fabric-making machine, Bed-. G. B. Smith. No. 1,114,402; Oct. 20; Gaz. vol. 207; p. 779.
- Fabric, Making metal. J. F. Golding. No. 1,090,843; Mar. 24; Gaz. vol. 200; p. 865.
- Fabric or the like, Device for folding strips of. J. J. Schefer. No. 1,088,456; Feb. 24; Gaz. vol. 199; p. 1140.
- Fabric, Rotary support for rolled. J. A. Bastian. No. 1,102,128; June 30; Gaz. vol. 203; p. 1482.
- Fabric, Separating the strands of woven. E. R. Tillinghast. No. 1,100,458; June 16; Gaz. vol. 203; p. 798.
- Fabric-treating apparatus. C. Buhl. No. 1,109,819; Sept. 8; Gaz. vol. 206; p. 380.
- Fabric, Treatment of continuous sheets of plastic. W. E. Fuller, Jr. No. 1,086,762; Feb. 10; Gaz. vol. 199; p. 459.
- Fabrics an imitation of the irregular curly appearance of Astrakhan fur and the like, Mechanism for producing upon the surface of pile. J. Dobson. No. 1,102,484; July 7; Gaz. vol. 204; p. 92.
- Fabrics an imitation of the irregular curly appearance of Astrakhan fur and the like, Producing upon the surface of pile. J. Dobson. No. 1,102,483; July 7; Gaz. vol. 204; p. 91.
- Fabrics and other objects with material in the form of powder, Machine for covering. L. A. Destrez. No. 1,103,947; July 21; Gaz. vol. 204; p. 688.
- Fabrics and the like, Machine for feeding. C. J. Landin. No. 1,110,633; Sept. 15; Gaz. vol. 206; p. 711.
- Fabrics, Apparatus for steaming and drying textile. P. Stapp. No. 1,115,982; Nov. 3; Gaz. vol. 208; p. 176.
- Fabrics during weaving, Treatment of. E. Prein. No. 1,083,462; Jan. 6; Gaz. vol. 198; p. 68.
- Fabrics during weaving, Treatment of. E. Prein. No. 1,104,827; July 28; Gaz. vol. 204; p. 1040.
- Fabrics, Filler for textile. F. W. MacKenzie. No. 1,117,873; Nov. 17; Gaz. vol. 208; p. 920.
- Fabrics from fibrous plants, Making. J. S. Gillies. No. 1,096,709; May 12; Gaz. vol. 202; p. 557.
- Fabrics in one or more colors, Means for spotting. L. Wild. No. 1,087,859; Feb. 17; Gaz. vol. 199; p. 888.
- Fabrics, Lisleing and dyeing vegetable. A. N. Dubois. No. 1,116,397; Nov. 10; Gaz. vol. 208; p. 357.
- Fabrics, Spreader for tubular. H. C. Pease. No. 1,113,905; Oct. 13; Gaz. vol. 207; p. 564.

Alphabetical list of inventions—Continued.

- Fabrics, Treating textile. C. M. McLeod. No. 1,114,501; Oct. 20; Gaz. vol. 207; p. 817.
- Fabrics, Treating textile and other porous. F. J. Staunton. No. 1,108,408; Aug. 25; Gaz. vol. 205; p. 1126.
- Facial defects, Appliance for removing. M. J. Gunderman. No. 1,110,772; Sept. 15; Gaz. vol. 206; p. 759.
- Facial supporter. C. H. Archibald. No. 1,113,732; Oct. 13; Gaz. vol. 207; p. 503.
- Facing or milling machine. J. A. Paterson. No. 1,089,258; Mar. 3; Gaz. vol. 200; p. 200.
- Fall-block. J. C. Fox. No. 1,091,497; Mar. 31; Gaz. vol. 200; p. 1131.
- Fall-rope carrier. J. T. Horton. No. 1,120,145; Dec. 8; Gaz. vol. 209; p. 464.
- False work. D. B. Luten. No. 1,106,880; Aug. 11; Gaz. vol. 205; p. 496.
- Fan. J. F. Card. No. 1,100,053; June 16; Gaz. vol. 203; p. 657.
- Fan. C. H. J. Dilg. No. 1,094,540; Apr. 28; Gaz. vol. 201; p. 954.
- Fan. C. H. J. Dilg. No. 1,094,541; Apr. 28; Gaz. vol. 201; p. 954.
- Fan. F. Lambert. No. 1,090,481; Mar. 17; Gaz. vol. 200; p. 713.
- Fan. M. Lichter. No. 1,110,803; Sept. 15; Gaz. vol. 206; p. 770.
- Fan. F. Wojcicki. No. 1,088,506; Feb. 24; Gaz. vol. 199; p. 1156.
- Fan-actuating mechanism, Mechanical. A. F. Carlin. No. 1,116,563; Nov. 10; Gaz. vol. 208; p. 419.
- Fan and eye-shade, Combined. E. J. Williams. No. 1,108,649; Aug. 25; Gaz. vol. 205; p. 1210.
- Fan and pump, Centrifugal. S. C. Davidson. No. 1,105,967; Aug. 4; Gaz. vol. 205; p. 133.
- Fan, Automatic. A. A. Sauter. No. 1,089,271; Mar. 3; Gaz. vol. 200; p. 204.
- Fan, Centrifugal. W. E. Allington. No. 1,093,371; Apr. 14; Gaz. vol. 201; p. 464.
- Fan, Centrifugal. S. C. Davidson. No. 1,111,250; Sept. 22; Gaz. vol. 206; p. 969.
- Fan, Centrifugal. F. R. Still. No. 1,094,031; Apr. 21; Gaz. vol. 201; p. 723.
- Fan, Centrifugal suction-. J. Meier. No. 1,089,572; Mar. 10; Gaz. vol. 200; p. 356.
- Fan diffuser, Electric-. G. H. Moll. No. 1,114,015; Oct. 20; Gaz. vol. 207; p. 641.
- Fan, Electric. H. L. Zabriskie and F. Diehl. No. 1,115,147; Oct. 27; Gaz. vol. 207; p. 1095.
- Fan for railway-cars, Electric. E. I. Dodds. No. 1,088,687; Mar. 3; Gaz. vol. 200; p. 6.
- Fan or blower system. N. L. Snow. No. 1,093,214; Apr. 14; Gaz. vol. 201; p. 409.
- Fan or pump, Centrifugal. S. C. Davidson. No. 1,114,866; Oct. 27; Gaz. vol. 207; p. 995.
- Fan or the like, Atomizing-. J. I. Kopperl. No. 1,116,443; Nov. 10; Gaz. vol. 208; p. 373.
- Fan, Portable electric. T. R. Wiwi and J. W. Fassett. No. 1,108,053; Aug. 18; Gaz. vol. 205; p. 956.
- Fan, Rotary. C. H. J. Dilg. No. 1,121,335; Dec. 15; Gaz. vol. 209; p. 931.
- Fan, Rotary. T. J. Sturtevant. No. 1,087,995; Feb. 24; Gaz. vol. 199; p. 983.
- Fan screen and guard, Electric-. B. F. Fritts. No. 1,114,459; Oct. 20; Gaz. vol. 207; p. 801.
- Fan-support and the like, Barber's. J. L. Newhouse and E. Runkel. No. 1,103,816; July 14; Gaz. vol. 204; p. 601.
- Fan tractor, Electric-. M. P. Sarfaty. No. 1,102,087; June 30; Gaz. vol. 203; p. 1467.
- Fan, Ventilating-. J. M. Dayiantis. No. 1,084,540; Jan. 13; Gaz. vol. 198; p. 452.
- Fan, Ventilating-. F. Diehl. No. 1,099,693; June 9; Gaz. vol. 203; p. 499.
- Fan, Ventilating and other. H. J. Trautmann and J. L. Copping. No. 1,098,306; May 26; Gaz. vol. 202; p. 1204.
- Fan-ventilator. W. F. Warden. No. 1,117,287; Nov. 17; Gaz. vol. 208; p. 713.
- Fan-wheel. C. T. Porter. No. 1,091,702; Mar. 31; Gaz. vol. 200; p. 1201.
- Fan-wheel. W. G. Viall. No. 1,096,079; May 12; Gaz. vol. 202; p. 344.
- Fans, Electric heater for. A. Schaeffer. No. 1,106,975; Aug. 11; Gaz. vol. 205; p. 530.
- Fans, Protective device for ventilating-. T. A. De Vilbiss. No. 1,096,694; May 12; Gaz. vol. 202; p. 552.
- Fanning-mill attachment. T. Parker. No. 1,120,844; Dec. 15; Gaz. vol. 209; p. 760.
- Fanning-mills, Wheat-grader for. J. E. Barnwell. No. 1,098,079; May 26; Gaz. vol. 202; p. 1126.
- Fare-box. W. T. Cook. No. 1,105,620; Aug. 4; Gaz. vol. 205; p. 11.
- Fare-box. W. T. Cook. No. 1,105,621; Aug. 4; Gaz. vol. 205; p. 11.
- Fare-box. W. Cox. No. 1,101,525; June 30; Gaz. vol. 203; p. 1270.
- Fare-box. P. J. Mitten. No. 1,110,268; Sept. 8; Gaz. vol. 206; p. 542.
- Fare-box. W. I. Ohmer and J. L. Kist. No. 1,099,198; June 9; Gaz. vol. 203; p. 326.
- Fare-box. T. Sowerby. No. 1,115,606; Nov. 3; Gaz. vol. 208; p. 48.
- Fare-boxes, Coin-receiver for. J. M. Johnson. No. 1,116,435; Nov. 10; Gaz. vol. 208; p. 370.
- Fare-indicator. D. B. Whistler. No. 1,100,041; June 16; Gaz. vol. 203; p. 653.
- Fare-recording machine. O. N. Moore. No. 1,102,942; July 7; Gaz. vol. 204; p. 249.
- Fare-register. E. H. Bridenbaugh. No. 1,091,727; Mar. 31; Gaz. vol. 200; p. 1210.
- Fare-register. W. A. De Hart. No. 1,096,615; May 12; Gaz. vol. 202; p. 370.
- Fare-register. O. N. Moore. (Reissue.) No. 13,773; July 14; Gaz. vol. 204; p. 642.
- Fare-register and recording-machine. J. F. Ohmer. No. 1,094,376; Apr. 21; Gaz. vol. 201; p. 836.
- Fare-register, Automatic. A. D. Branham. No. 1,114,851; Oct. 27; Gaz. vol. 207; p. 989.
- Fare-register, Automatic. P. P. Lockling and J. F. Parker. No. 1,113,797; Oct. 13; Gaz. vol. 207; p. 526.
- Fare-register, Recording. C. F. Littlejohn. No. 1,093,059; Apr. 14; Gaz. vol. 201; p. 355.
- Fare registers and indicators, Operating mechanism for. W. I. Ohmer. No. 1,110,270; Sept. 8; Gaz. vol. 206; p. 542.
- Fare-registers and other devices, Mechanism for electrically controlling and operating. E. J. Kennedy. No. 1,090,215; Mar. 17; Gaz. vol. 200; p. 618.
- Fare-registering apparatus. W. A. De Hart. No. 1,122,262; Dec. 29; Gaz. vol. 209; p. 1330.
- Fare-registering mechanism, Automatic passenger-. H. Savage and W. L. Baker. No. 1,109,790; Sept. 8; Gaz. vol. 206; p. 369.
- Farm-gate. W. H. Anderson. No. 1,116,867; Nov. 10; Gaz. vol. 208; p. 528.
- Farm-gate. W. H. Anderson. No. 1,117,754; Nov. 17; Gaz. vol. 208; p. 879.
- Farm-gate. H. H. Deutscher. No. 1,102,481; July 7; Gaz. vol. 204; p. 91.
- Farm-gate. M. Dilonzo. No. 1,101,167; June 23; Gaz. vol. 203; p. 1095.
- Farm-gate. W. F. Donnell. No. 1,084,733; Jan. 20; vol. 198; p. 550.
- Farm-gate. N. J. Finwall. No. 1,101,793; June 30; Gaz. vol. 203; p. 1363.
- Farm-gate. W. F. Gatewood. No. 1,102,578; July 7; Gaz. vol. 204; p. 125.
- Farm-gate. F. M. Hancock. No. 1,118,415; Nov. 24; Gaz. vol. 208; p. 1149.
- Farm-gate. F. Miller. No. 1,119,623; Dec. 1; Gaz. vol. 209; p. 249.
- Farm-gate. J. D. Rodgers. No. 1,119,316; Dec. 1; Gaz. vol. 209; p. 143.
- Farm-gate. O. Severson. No. 1,104,010; July 21; Gaz. vol. 204; p. 708.
- Farm implement. G. L. Dodds. No. 1,111,011; Sept. 22; Gaz. vol. 206; p. 886.
- Farm implement. J. B. Wood. No. 1,117,540; Nov. 17; Gaz. vol. 208; p. 802.
- Fastener. J. Apoll. No. 1,106,534; Aug. 11; Gaz. vol. 205; p. 375.
- Fastener. E. A. Benson. No. 1,084,528; Jan. 13; Gaz. vol. 198; p. 448.
- Fastener. E. M. Dougherty. No. 1,090,840; Mar. 24; Gaz. vol. 200; p. 864.
- Fastener. P. Eagle. No. 1,119,073; Dec. 1; Gaz. vol. 209; p. 62.
- Fastener. J. H. Fisher. No. 1,096,897; May 19; Gaz. vol. 202; p. 666.
- Fastener. J. H. Fisher. No. 1,096,898; May 19; Gaz. vol. 202; p. 666.
- Fastener. A. Holzberg. No. 1,084,339; Jan. 13; Gaz. vol. 198; p. 389.
- Fastener. R. Jenks. No. 1,091,344; Mar. 24; Gaz. vol. 200; p. 1035.
- Fastener. C. Joseph. No. 1,105,796; Aug. 4; Gaz. vol. 205; p. 73.
- Fastener. G. A. MacCormack. No. 1,104,204; July 21; Gaz. vol. 204; p. 775.
- Fastener. C. Olson. No. 1,087,506; Feb. 17; Gaz. vol. 199; p. 767.
- Fastener. L. Reiter. No. 1,089,366; Mar. 3; Gaz. vol. 200; p. 235.
- Fastener for envelopes and other containers. W. Waidlich. No. 1,089,297; Mar. 3; Gaz. vol. 200; p. 212.
- Fastener for rotary elements. C. S. Lockwood. No. 1,088,287; Feb. 24; Gaz. vol. 199; p. 1034.
- Fastener forming and driving machine. S. E. Dunham. No. 1,103,404; July 14; Gaz. vol. 204; p. 456.
- Fastener-inserting machine. H. A. Ballard. No. 1,108,421; Aug. 25; Gaz. vol. 205; p. 1130.
- Fastener-inserting machine. D. W. Colby. No. 1,106,367; Aug. 11; Gaz. vol. 205; p. 314.
- Fastener-inserting machine. H. E. Cooper and J. Sayer. No. 1,119,785; Dec. 1; Gaz. vol. 209; p. 302.
- Fastener-inserting machine. G. A. and S. A. Dobyne. No. 1,091,293; Mar. 24; Gaz. vol. 200; p. 1021.
- Fastener-inserting machine. A. Raiche. No. 1,119,724; Dec. 1; Gaz. vol. 209; p. 282.

Alphabetical list of inventions—Continued.

- Fastener-inserting machines, Controlling mechanism for. H. A. Ballard. No. 1,105,238; July 28; Gaz. vol. 204; p. 1183.
- Fastener-inserting machines, Throat for. S. A. Dobyne. No. 1,091,300; Mar. 24; Gaz. vol. 200; p. 1022.
- Fastener-inserting means. W. C. Stewart. No. 1,118,968; Dec. 1; Gaz. vol. 209; p. 22.
- Fastener making and driving machine. E. E. Williams. No. 1,121,058; Dec. 15; Gaz. vol. 209; p. 835.
- Fastener or coupling. K. Rotherham. No. 1,114,530; Oct. 20; Gaz. vol. 207; p. 826.
- Fastener, Separable. S. A. Kirkness. No. 1,091,348; Mar. 24; Gaz. vol. 200; p. 1036.
- Fastener, Separable. H. A. Meyer. No. 1,083,372; Jan. 6; Gaz. vol. 193; p. 37.
- Fastener, Separable. L. Reiter and H. Fulford. No. 1,109,179; Sept. 1; Gaz. vol. 206; p. 115.
- Fastener, Separable. J. Winter. No. 1,105,738; Aug. 4; Gaz. vol. 205; p. 54.
- Fastener-setting machine, Pronged-. E. J. and D. Smith. No. 1,118,312; Nov. 24; Gaz. vol. 208; p. 1110.
- Fastener top, Snap-. A. H. Greenebaum. No. 1,084,269; Jan. 13; Gaz. vol. 198; p. 366.
- Fasteners, Spring-socket for snap-. A. H. Greenebaum. No. 1,088,981; Mar. 3; Gaz. vol. 200; p. 107.
- Fasteners, Tool for driving corrugated. C. S. Thompson. No. 1,108,279; Aug. 25; Gaz. vol. 205; p. 1083.
- Fastening. D. W. Kolle. No. 1,110,211; Sept. 8; Gaz. vol. 206; p. 521.
- Fastening. A. F. Nugent. No. 1,115,237; Oct. 27; Gaz. vol. 207; p. 1128.
- Fastening contrivance. A. Ostheimer. No. 1,094,091; Apr. 21; Gaz. vol. 201; p. 744.
- Fastening device. J. Bayer, Jr. (Reissue.) No. 13,769; July 14; Gaz. vol. 204; p. 639.
- Fastening device. J. F. Booraem and G. E. Rohmer. No. 1,120,369; Dec. 8; Gaz. vol. 209; p. 545.
- Fastening device. F. H. Braecklein. No. 1,095,794; May 5; Gaz. vol. 202; p. 212.
- Fastening device. E. Erickson. No. 1,083,925; Jan. 13; Gaz. vol. 198; p. 248.
- Fastening device. W. G. and H. Harris. No. 1,092,647; Apr. 7; Gaz. vol. 201; p. 182.
- Fastening device. I. D. Lounsbury. No. 1,121,641; Dec. 22; Gaz. vol. 209; p. 1074.
- Fastening device. C. A. Miller. No. 1,104,690; July 21; Gaz. vol. 204; p. 943.
- Fastening device. M. J. Myers. No. 1,093,643; Apr. 21; Gaz. vol. 201; p. 594.
- Fastening device. W. E. Sharp. No. 1,088,105; Feb. 24; Gaz. vol. 199; p. 1022.
- Fastening device. S. H. Smith. No. 1,118,159; Nov. 24; Gaz. vol. 208; p. 1058.
- Fastening device. A. Stambach. No. 1,095,683; May 5; Gaz. vol. 202; p. 174.
- Fastening device. F. B. Stirckler. No. 1,086,568; Feb. 10; Gaz. vol. 199; p. 391.
- Fastening device. T. C. Wyant. No. 1,097,498; May 19; Gaz. vol. 202; p. 876.
- Fastening devices, Protector for. O. J. Saxe. No. 1,096,269; May 12; Gaz. vol. 202; p. 410.
- Fastening-inserting machine. W. R. Barclay. No. 1,100,468; June 16; Gaz. vol. 203; p. 802.
- Fastening-inserting machine. A. Bates and T. Briggs. No. 1,107,248; Aug. 18; Gaz. vol. 205; p. 672.
- Fastening-inserting machine. L. A. Casgrain. No. 1,092,895; Apr. 14; Gaz. vol. 201; p. 300.
- Fastening-inserting machine. L. A. Casgrain. No. 1,115,503; Nov. 3; Gaz. vol. 208; p. 13.
- Fastening-inserting machine. L. A. Casgrain. No. 1,115,504; Nov. 3; Gaz. vol. 208; p. 13.
- Fastening-inserting machine. F. L. MacKenzie. No. 1,097,248; May 19; Gaz. vol. 202; p. 790.
- Fastening-inserting means. F. L. MacKenzie. No. 1,106,393; Aug. 11; Gaz. vol. 205; p. 322.
- Fastenings, Machine for operating upon. J. Cavanagh, Jr. No. 1,109,662; Sept. 8; Gaz. vol. 206; p. 324.
- Fat from bones, materials suitable for glue manufacture, and like substances, Extraction of. E. Fischer. No. 1,114,598; Oct. 20; Gaz. vol. 207; p. 848.
- Fats and oils, Bleaching. F. Müller. No. 1,089,253; Mar. 3; Gaz. vol. 200; p. 198.
- Fatty materials, Machine for inwrapping. O. Hesser. No. 1,117,188; Nov. 17; Gaz. vol. 208; p. 678.
- Fatty saponaceous product and manufacturing same. B. Benedix. No. 1,102,129; June 30; Gaz. vol. 203; p. 1482.
- Fatty substances, Treating. W. T. Powling. No. 1,121,598; Dec. 15; Gaz. vol. 209; p. 1023.
- Faucet. F. Becker. No. 1,121,456; Dec. 15; Gaz. vol. 209; p. 973.
- Faucet. G. M. Charles. No. 1,093,533; Apr. 14; Gaz. vol. 201; p. 513.
- Faucet. E. M. Deiller. No. 1,093,117; Apr. 14; Gaz. vol. 201; p. 376.
- Faucet. J. H. Glauber. No. 1,087,654; Feb. 17; Gaz. vol. 199; p. 821.
- Faucet. J. Hetherington. No. 1,091,135; Mar. 24; Gaz. vol. 200; p. 968.
- Faucet. R. P. Hill. No. 1,097,433; May 19; Gaz. vol. 202; p. 854.
- Faucet. A. Paul. No. 1,088,088; Feb. 24; Gaz. vol. 199; p. 1016.
- Faucet. W. E. Sloan. No. 1,083,467; Jan. 6; Gaz. vol. 198; p. 70.
- Faucet. G. E. Swiney. No. 1,117,723; Nov. 17; Gaz. vol. 208; p. 869.
- Faucet. C. W. Weaver. No. 1,097,492; May 19; Gaz. vol. 202; p. 875.
- Faucet-adaptor. M. F. Bayer. No. 1,113,736; Oct. 13; Gaz. vol. 207; p. 505.
- Faucet and drinking-fount. G. M. Westerberg. No. 1,091,552; Mar. 31; Gaz. vol. 200; p. 1150.
- Faucet and fountain, Combined. G. H. Penrod. No. 1,122,416; Dec. 29; Gaz. vol. 209; p. 1379.
- Faucet and shampoo-fixture, Combined. J. Hannaford. No. 1,123,189; Dec. 29; Gaz. vol. 209; p. 1653.
- Faucet attachment. L. B. Artigue. No. 1,120,661; Dec. 15; Gaz. vol. 209; p. 696.
- Faucet attachment. F. O. Hilfiker. No. 1,112,065; Sept. 29; Gaz. vol. 206; p. 1285.
- Faucet attachment. J. Regar. (Reissue.) No. 13,786; Aug. 4; Gaz. vol. 205; p. 266.
- Faucet, Automatic registering-. H. E. Robbins. No. 1,085,702; Feb. 3; Gaz. vol. 199; p. 43.
- Faucet-casing. L. E. Wright. No. 1,084,996; Jan. 20; Gaz. vol. 198; p. 638.
- Faucet, Compression-. J. P. Farley. No. 1,106,933; Aug. 11; Gaz. vol. 205; p. 515.
- Faucet connection. C. F. Hamilton. No. 1,117,840; Nov. 17; Gaz. vol. 208; p. 909.
- Faucet-coupling attachment. F. H. Andrews. No. 1,122,844; Dec. 29; Gaz. vol. 209; p. 1531.
- Faucet, Electric water-heating. E. C. Webster. No. 1,118,320; Nov. 24; Gaz. vol. 208; p. 1114.
- Faucet, Filtering-. E. A. Gehrke. No. 1,116,689; Nov. 10; Gaz. vol. 208; p. 465.
- Faucet for dispensing beverages. J. C. J. Martens. No. 1,105,359; July 28; Gaz. vol. 204; p. 1228.
- Faucet, Fountain-. J. F. McGowan. No. 1,109,441; Sept. 1; Gaz. vol. 206; p. 207.
- Faucet, Fountain-. S. Schwartz. No. 1,114,051; Oct. 20; Gaz. vol. 207; p. 654.
- Faucet-guard. L. A. Cornelius. No. 1,105,258; July 28; Gaz. vol. 204; p. 1190.
- Faucet-hole cover. D. G. Butts. No. 1,107,490; Aug. 18; Gaz. vol. 205; p. 759.
- Faucet, Measuring-. T. E. Davis. No. 1,094,982; Apr. 28; Gaz. vol. 201; p. 1111.
- Faucet, Measuring-. H. Goehring. No. 1,122,270; Dec. 29; Gaz. vol. 209; p. 1332.
- Faucet, Measuring-. W. H. Holmes. No. 1,091,337; Mar. 24; Gaz. vol. 200; p. 1032.
- Faucet-operating mechanism. H. D. Metcalf. No. 1,093,452; Apr. 14; Gaz. vol. 201; p. 489.
- Faucet or cock, Compression. F. Schuder. No. 1,107,205; Aug. 11; Gaz. vol. 205; p. 609.
- Faucet, Self-closing. E. Rickersberg. No. 1,120,745; Dec. 15; Gaz. vol. 209; p. 725.
- Faucet, Tank-. C. F. Wray. No. 1,099,077; June 2; Gaz. vol. 203; p. 240.
- Faucets, Glass-protecting attachment for. B. V. Scott. No. 1,087,403; Feb. 17; Gaz. vol. 199; p. 730.
- Fault-localizer. E. E. F. Creighton. No. 1,105,883; Aug. 4; Gaz. vol. 205; p. 103.
- Feather-edging machine. A. E. Jerram. No. 1,115,074; Oct. 27; Gaz. vol. 207; p. 1070.
- Feather-fabric machine. J. A. Coley. No. 1,104,628; July 21; Gaz. vol. 204; p. 923.
- Feather-treating apparatus. S. S. Hirsch and I. E. Shane. No. 1,110,936; Sept. 15; Gaz. vol. 206; p. 817.
- Feather-treating method and apparatus. J. De Paoli. No. 1,111,530; Sept. 22; Gaz. vol. 206; p. 1065.
- Featherbone-making apparatus. J. W. Schloss. No. 1,114,536; Oct. 20; Gaz. vol. 207; p. 828.
- Feed and hay rack, Combined. W. Eckelberg. No. 1,084,930; Jan. 20; Gaz. vol. 198; p. 615.
- Feed and water fountain for poultry. E. H. Schwartzburg. No. 1,107,206; Aug. 11; Gaz. vol. 205; p. 610.
- Feed, Automatic. W. K. Edgar. No. 1,118,335; Nov. 24; Gaz. vol. 208; p. 1120.
- Feed-bag. S. B. Anable. No. 1,123,204; Dec. 29; Gaz. vol. 209; p. 1659.
- Feed-bag. J. Ciechocki. No. 1,097,169; May 19; Gaz. vol. 202; p. 763.
- Feed-bag. A. C. Olsen. No. 1,119,529; Dec. 1; Gaz. vol. 209; p. 218.
- Feed-bag. J. A. St. John. No. 1,112,941; Oct. 6; Gaz. vol. 207; p. 184.
- Feed-bag-adjusting mechanism. I. H. Taylor. No. 1,098,304; May 26; Gaz. vol. 202; p. 1203.
- Feed-bag attachment. S. M. Aughinbaugh. No. 1,099,871; June 9; Gaz. vol. 203; p. 558.
- Feed-bag for horses. J. A. Stoddard. No. 1,100,205; June 16; Gaz. vol. 203; p. 711.
- Feed-box. J. Fleury. No. 1,096,703; May 12; Gaz. vol. 202; p. 555.
- Feed box or trough. G. B. Warren. No. 1,102,371; July 7; Gaz. vol. 204; p. 51.
- Feed box or trough, Animal. G. Alfano. No. 1,112,048; Sept. 29; Gaz. vol. 206; p. 1280.

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- Feed-box, Poultry. J. A. Conboie. No. 1,102,004; June 30; Gaz. vol. 203; p. 1438.
- Feed-change arrangement. S. Einstein. No. 1,120,650; Dec. 8; Gaz. vol. 209; p. 645.
- Feed-cutter feeding device. O. C. Frick. No. 1,108,163; Aug. 25; Gaz. vol. 205; p. 1041.
- Feed device or trough. W. L. Crabill. No. 1,106,547; Aug. 11; Gaz. vol. 205; p. 380.
- Feed for poultry, Automatic water-. H. L. Davis. No. 1,107,268; Aug. 18; Gaz. vol. 205; p. 679.
- Feed-gage. L. H. Wilson. No. 1,105,011; July 28; Gaz. vol. 204; p. 1103.
- Feed-governor. O. S. Curtner. No. 1,084,136; Jan. 13; Gaz. vol. 198; p. 322.
- Feed-guides, Centering means for. R. A. Gally. No. 1,109,573; Sept. 1; Gaz. vol. 206; p. 250.
- Feed mechanism. M. Brochu. No. 1,106,328; Aug. 4; Gaz. vol. 205; p. 256.
- Feed mechanism. M. W. Hazen. No. 1,121,095; Dec. 15; Gaz. vol. 209; p. 849.
- Feed mechanism. R. L. Wilcox. No. 1,105,343; July 28; Gaz. vol. 204; p. 1220.
- Feed mechanism, Collapsible. R. W. Scott. No. 1,086,231; Feb. 3; Gaz. vol. 199; p. 230.
- Feed-mixer. G. Webber. No. 1,120,574; Dec. 8; Gaz. vol. 209; p. 618.
- Feed-regulator. J. W. Cornelius. No. 1,086,896; Feb. 10; Gaz. vol. 199; p. 505.
- Feed-regulator. J. D. Moore. No. 1,088,438; Feb. 24; Gaz. vol. 199; p. 1134.
- Feed-regulator. F. C. Morrow. No. 1,088,441; Feb. 24; Gaz. vol. 199; p. 1135.
- Feed-regulator. C. D. Scott. No. 1,090,120; Mar. 10; Gaz. vol. 200; p. 544.
- Feed-regulator. R. A. Smith and N. Mowery. No. 1,092,602; Apr. 7; Gaz. vol. 201; p. 165.
- Feed-roller mechanism. E. Pederquist. No. 1,096,857; May 19; Gaz. vol. 202; p. 652.
- Feed-roller mechanism for pinion-rod cutting. E. Pederquist. No. 1,096,856; May 19; Gaz. vol. 202; p. 651.
- Feed-trough. A. H. Fechner. No. 1,118,850; Nov. 24; Gaz. vol. 208; p. 1298.
- Feed-trough. A. Wood. No. 1,084,381; Jan. 13; Gaz. vol. 198; p. 402.
- Feed-trough guard. R. C. Sutton. No. 1,100,927; June 23; Gaz. vol. 203; p. 1014.
- Feed-water cleanser. C. E. Gorton. No. 1,109,582; Sept. 1; Gaz. vol. 206; p. 254.
- Feed-water, Composition for treating boiler. G. E. Bailey. No. 1,096,344; May 12; Gaz. vol. 202; p. 437.
- Feed-water heater. W. P. Caine. No. 1,107,409; Aug. 18; Gaz. vol. 205; p. 731.
- Feed-water heater. P. Mejani. No. 1,091,369; Mar. 24; Gaz. vol. 200; p. 1043.
- Feed-water heater. M. P. Osbourn. No. 1,117,696; Nov. 17; Gaz. vol. 208; p. 858.
- Feed-water heater. R. D. Singer and F. Dulh. No. 1,116,635; Nov. 10; Gaz. vol. 208; p. 446.
- Feed-water heater. E. T. Turner. No. 1,107,379; Aug. 18; Gaz. vol. 205; p. 719.
- Feed-water heater and purifier. H. Flattem. No. 1,098,030; May 26; Gaz. vol. 202; p. 1109.
- Feed-water heater for boilers. F. D. Patten. No. 1,121,755; Dec. 22; Gaz. vol. 209; p. 1113.
- Feed-water heater for locomotives. F. H. Clark and G. R. Smith. No. 1,104,776; July 28; Gaz. vol. 204; p. 1023.
- Feed-water heater for locomotives. M. Jungling. No. 1,122,005; Dec. 22; Gaz. vol. 209; p. 1202.
- Feed-water heater for steam-boilers. E. Pelton and S. D. Hopton. No. 1,092,592; Apr. 7; Gaz. vol. 201; p. 162.
- Feed-water heaters, Distributor for supply-water to. W. F. Bilyeu. No. 1,105,242; July 28; Gaz. vol. 204; p. 1185.
- Feed-water heaters, Water-distributor for. J. J. Hoppes. No. 1,096,508; May 12; Gaz. vol. 202; p. 491.
- Feed-water-heating apparatus, Boiler-. D. B. Morison. No. 1,108,210; Aug. 25; Gaz. vol. 205; p. 1058.
- Feed-water regulator. B. Bannister. No. 1,121,596; Dec. 15; Gaz. vol. 209; p. 1022.
- Feed-water regulator. W. D. Hodgson. No. 1,095,398; May 5; Gaz. vol. 202; p. 76.
- Feed-water regulator. A. C. Miller. No. 1,100,601; June 16; Gaz. vol. 203; p. 845.
- Feeder. W. F. Berghofer. No. 1,120,178; Dec. 8; Gaz. vol. 209; p. 477.
- Feeder. C. J. and O. F. Duncan. No. 1,114,681; Oct. 20; Gaz. vol. 207; p. 876.
- Feeder, Animal-. T. C. Fleming. No. 1,120,920; Dec. 15; Gaz. vol. 209; p. 788.
- Feeder and exerciser, Chicken. J. T. Howard. No. 1,099,443; June 9; Gaz. vol. 203; p. 412.
- Feeder and exerciser, Poultry. A. H. Baker. No. 1,094,110; Apr. 21; Gaz. vol. 201; p. 750.
- Feeder and toy-holder, Baby-. J. C. Jensen. No. 1,097,097; May 19; Gaz. vol. 202; p. 737.
- Feeder, Automatic poultry-. F. R. Parks. No. 1,104,701; July 21; Gaz. vol. 204; p. 947.
- Feeder, Automatic poultry-. D. Wood. No. 1,107,394; Aug. 18; Gaz. vol. 205; p. 724.
- Feeder, Automatic stock-. W. M. Hornbeck. No. 1,121,502; Dec. 15; Gaz. vol. 209; p. 989.
- Feeder, Automatic stock-. S. Mendel. No. 1,085,459; Jan. 27; Gaz. vol. 198; p. 832.
- Feeder, Chicken-. W. L. Keller. No. 1,112,068; Sept. 29; Gaz. vol. 206; p. 1286.
- Feeder, Chicken-. M. E. Strickler. No. 1,108,019; Aug. 18; Gaz. vol. 205; p. 944.
- Feeder for poultry, Green-food. W. D. Moody. No. 1,084,584; Jan. 13; Gaz. vol. 198; p. 469.
- Feeder, fountain, and heater, Combined. L. M. and M. L. Anderson. No. 1,102,629; July 7; Gaz. vol. 204; p. 144.
- Feeder, Hog-. H. M. Lauber. No. 1,099,063; June 2; Gaz. vol. 203; p. 236.
- Feeder, Poultry-. F. E. Bowers. No. 1,118,629; Nov. 24; Gaz. vol. 208; p. 1224.
- Feeder, Poultry-. E. A. Chappell. No. 1,122,685; Dec. 29; Gaz. vol. 209; p. 1475.
- Feeder, Poultry-. A. Johnson. No. 1,114,482; Oct. 20; Gaz. vol. 207; p. 810.
- Feeder, Poultry-. M. W. Lawlor. No. 1,114,892; Oct. 27; Gaz. vol. 207; p. 1004.
- Feeder, Poultry-. I. B. Litzenger. No. 1,088,597; Feb. 24; Gaz. vol. 199; p. 1184.
- Feeder, Poultry-. P. J. Tuttle. No. 1,116,958; Nov. 10; Gaz. vol. 208; p. 558.
- Feeder, Poultry-. J. Weigel. No. 1,098,603; June 2; Gaz. vol. 203; p. 85.
- Feeder, Poultry-. F. A. Zimmer. No. 1,099,331; June 9; Gaz. vol. 203; p. 373.
- Feeder, Poultry automatic mash-. J. H. Crowell. No. 1,090,286; Mar. 17; Gaz. vol. 200; p. 643.
- Feeder, Poultry scratch grain-. J. H. Crowell. No. 1,105,885; Aug. 4; Gaz. vol. 205; p. 104.
- Feeder, Stock-. J. J. O'Brien. No. 1,109,009; Sept. 1; Gaz. vol. 206; p. 54.
- Feeding and creasing device. H. B. Cooley. No. 1,107,194; Aug. 11; Gaz. vol. 205; p. 605.
- Feeding and cutting device. J. J. Farrell. No. 1,095,961; May 5; Gaz. vol. 202; p. 266.
- Feeding and cutting machine. W. H. Banzett and E. Kenny. No. 1,118,465; Nov. 24; Gaz. vol. 208; p. 1167.
- Feeding and watering trough. H. Hertle. No. 1,095,862; May 5; Gaz. vol. 202; p. 234.
- Feeding apparatus. J. I. Curley and W. J. Price. No. 1,115,906; Nov. 3; Gaz. vol. 208; p. 149.
- Feeding apparatus, Automatic cattle-. H. Kuxmann and G. Schneider. No. 1,112,918; Oct. 6; Gaz. vol. 207; p. 176.
- Feeding apparatus, Poultry-. A. Wahlstrom. No. 1,098,069; May 26; Gaz. vol. 202; p. 1123.
- Feeding attachment for tonguing and grooving machines. J. H. C. and G. S. Zimmerman and F. Wilker. No. 1,121,707; Dec. 22; Gaz. vol. 209; p. 1097.
- Feeding, cleaning, and separating device. I. Meurling. No. 1,100,759; June 23; Gaz. vol. 203; p. 953.
- Feeding device. W. R. Allen. No. 1,085,781; Feb. 3; Gaz. vol. 199; p. 73.
- Feeding device, Automatic. W. G. Staples. No. 1,110,015; Sept. 8; Gaz. vol. 206; p. 451.
- Feeding devices, Clamping means for. G. F. Conrad. No. 1,099,894; June 9; Gaz. vol. 203; p. 566.
- Feeding-machine, Automatic. C. F. Fleming. No. 1,120,299; Dec. 8; Gaz. vol. 209; p. 519.
- Feeding machine, Automatic cattle-. E. Norbo. No. 1,101,322; June 23; Gaz. vol. 203; p. 1150.
- Feeding material, Means for. W. H. O'Connor. No. 1,089,431; Mar. 10; Gaz. vol. 200; p. 305.
- Feeding mechanism. W. R. Allen. No. 1,086,119; Feb. 3; Gaz. vol. 199; p. 194.
- Feeding mechanism. C. F. Bendshadler. No. 1,114,722; Oct. 27; Gaz. vol. 207; p. 943.
- Feeding mechanism. C. A. Cheshire. No. 1,097,750; May 26; Gaz. vol. 202; p. 1009.
- Feeding mechanism. W. E. Claussen. No. 1,086,701; Feb. 10; Gaz. vol. 199; p. 437.
- Feeding mechanism. C. J. Fancher. No. 1,115,916; Nov. 3; Gaz. vol. 208; p. 154.
- Feeding mechanism. F. G. Gauntt. No. 1,101,174; June 23; Gaz. vol. 203; p. 1099.
- Feeding mechanism, Article-. P. W. Fleischer. No. 1,116,406; Nov. 10; Gaz. vol. 208; p. 361.
- Feeding mechanism for straight-away and overseaming machines. L. Onderdonk. No. 1,119,109; Dec. 1; Gaz. vol. 209; p. 74.
- Feeding mechanism, Receptacle-. J. W. Haubner. No. 1,118,766; Nov. 24; Gaz. vol. 208; p. 1269.
- Feeding, Pneumatic. W. H. Honiss. No. 1,118,552; Nov. 24; Gaz. vol. 208; p. 1198.
- Feeding-roller. W. R. Allen. No. 1,086,120; Feb. 3; Gaz. vol. 199; p. 194.
- Feeding-trough. J. W. Jewell. No. 1,090,987; Mar. 24; Gaz. vol. 200; p. 915.
- Feeding-trough. F. R. Parks. No. 1,100,324; June 16; Gaz. vol. 203; p. 752.
- Feeding-trough and sty, Hog. A. Auchly. No. 1,120,662; Dec. 15; Gaz. vol. 209; p. 696.
- Feeding trough, Animal-. M. J. J. B. Richard. No. 1,096,753; May 12; Gaz. vol. 202; p. 572.
- Fellies, Machine for removing cleats from. C. B. Hayes. No. 1,091,840; Mar. 31; Gaz. vol. 200; p. 1251.

Alphabetical list of inventions—Continued.

- Felly-band and rim for wheels. C. H. Albert. No. 1,093,234; Apr. 14; Gaz. vol. 201; p. 416.
- Felt cloth, Treating. G. R. Shevill. No. 1,103,694; July 14; Gaz. vol. 204; p. 562.
- Felt, Embossed layer of. F. W. Moore. No. 1,115,232; Oct. 27; Gaz. vol. 207; p. 1126.
- Felt polishing-stick. G. A. Roberts. No. 1,105,457; July 28; Gaz. vol. 204; p. 1262.
- Felts, Renewing or reclaiming old worn. M. Stabinsky. No. 1,116,749; Nov. 10; Gaz. vol. 208; p. 485.
- Felting-machine. F. Schaeffer and W. J. Shearer. No. 1,108,244; Aug. 25; Gaz. vol. 205; p. 1070.
- Fence. W. E. Davis. No. 1,095,459; May 5; Gaz. vol. 202; p. 98.
- Fence. J. Luepker. No. 1,102,936; July 7; Gaz. vol. 204; p. 247.
- Fence. J. A. Mayer, Sr. No. 1,096,735; May 12; Gaz. vol. 202; p. 566.
- Fence. C. L. Michod. No. 1,106,826; Aug. 11; Gaz. vol. 205; p. 478.
- Fence. J. R. Potterton. No. 1,115,736; Nov. 3; Gaz. vol. 208; p. 92.
- Fence-clamp. W. L. Dillon. No. 1,107,159; Aug. 11; Gaz. vol. 205; p. 594.
- Fence-clamp. J. C. Mahan. No. 1,097,454; May 19; Gaz. vol. 202; p. 860.
- Fence-clamp. M. McCarter. No. 1,109,172; Sept. 1; Gaz. vol. 206; p. 113.
- Fence clamp, Wire-. W. F. Wainwright and J. Montgomery. No. 1,100,931; June 23; Gaz. vol. 203; p. 1015.
- Fence clamp, Wire-. E. B. Wells. No. 1,105,389; July 28; Gaz. vol. 204; p. 1239.
- Fence clamp, Wire-. F. T. Wernimont. No. 1,122,829; Dec. 29; Gaz. vol. 209; p. 1526.
- Fence construction. E. E. Everson. No. 1,104,485; July 21; Gaz. vol. 204; p. 873.
- Fence-machine. E. W. Cornell. No. 1,105,622; Aug. 4; Gaz. vol. 205; p. 12.
- Fence-machine. J. W. Snedeker. No. 1,088,844; Mar. 3; Gaz. vol. 200; p. 58.
- Fence-machine. J. D. Stoddard. No. 1,092,409; Apr. 7; Gaz. vol. 201; p. 98.
- Fence machine, Picket-. J. S. Purdy. No. 1,089,438; Mar. 10; Gaz. vol. 200; p. 308.
- Fence machine, Wire-. J. S. Barnes. No. 1,084,125; Jan. 13; Gaz. vol. 198; p. 318.
- Fence machine, Wire-. R. E. Weber. No. 1,115,630; Nov. 3; Gaz. vol. 208; p. 55.
- Fence-panel coupling. C. B. Johnson. No. 1,098,503; June 2; Gaz. vol. 203; p. 51.
- Fence, Portable. H. Iven. No. 1,114,479; Oct. 20; Gaz. vol. 207; p. 809.
- Fence, Portable. J. Petri. No. 1,102,075; June 30; Gaz. vol. 203; p. 1464.
- Fence, Portable. A. Vakula. No. 1,121,780; Dec. 22; Gaz. vol. 209; p. 1122.
- Fence-post. C. Burnett. No. 1,123,090; Dec. 29; Gaz. vol. 209; p. 1617.
- Fence-post. D. R. Burns. No. 1,107,406; Aug. 18; Gaz. vol. 205; p. 729.
- Fence-post. A. B. Camden. No. 1,084,727; Jan. 20; Gaz. vol. 198; p. 548.
- Fence-post. J. Carrigan. No. 1,110,109; Sept. 8; Gaz. vol. 206; p. 486.
- Fence-post. C. Colvin. No. 1,086,441; Feb. 10; Gaz. vol. 199; p. 346.
- Fence-post. E. E. Conner. No. 1,122,367; Dec. 29; Gaz. vol. 209; p. 1363.
- Fence-post. W. G. Copeland. No. 1,092,432; Apr. 7; Gaz. vol. 201; p. 107.
- Fence-post. G. H. and S. Griswold. No. 1,098,252; May 26; Gaz. vol. 202; p. 1184.
- Fence-post. R. Irwin. No. 1,093,426; Apr. 14; Gaz. vol. 201; p. 481.
- Fence-post. H. P. McFarland and M. E. Eads. No. 1,117,214; Nov. 17; Gaz. vol. 208; p. 688.
- Fence-post. G. W. McKown. No. 1,117,075; Nov. 10; Gaz. vol. 208; p. 599.
- Fence-post. M. Murray. No. 1,085,219; Jan. 27; Gaz. vol. 198; p. 750.
- Fence-post. J. Naiser, Sr. No. 1,092,942; Apr. 14; Gaz. vol. 201; p. 316.
- Fence-post. J. H. Pearson. No. 1,103,536; July 14; Gaz. vol. 204; p. 501.
- Fence-post. J. B. Skiff and C. J. Westphall. No. 1,109,020; Sept. 1; Gaz. vol. 206; p. 58.
- Fence-post. T. W. Smith. No. 1,107,858; Aug. 18; Gaz. vol. 205; p. 889.
- Fence-post. D. E. Snoke. No. 1,099,403; June 9; Gaz. vol. 203; p. 399.
- Fence-post. W. H. Spanier. No. 1,121,772; Dec. 22; Gaz. vol. 209; p. 1119.
- Fence-post. M. D. Welsh. No. 1,088,310; Feb. 24; Gaz. vol. 199; p. 1091.
- Fence-post. C. J. Westphall. No. 1,108,535; Aug. 25; Gaz. vol. 205; p. 1172.
- Fence-post and take-up, Combined. G. J. Muller. No. 1,105,369; July 28; Gaz. vol. 204; p. 1232.
- Fence-post and wire-holder. J. D. Raley. No. 1,103,834; July 14; Gaz. vol. 204; p. 607.
- Fence-post and wire-tightener. L. Swank. No. 1,088,942; Mar. 3; Gaz. vol. 200; p. 93.
- Fence-post, Composition. G. E. Zaring. No. 1,106,694; Aug. 11; Gaz. vol. 205; p. 431.
- Fence-post, Iron. D. H. Smith. No. 1,085,363; Jan. 27; Gaz. vol. 198; p. 801.
- Fence-post-making machine. L. H. Jones. No. 1,108,908; Sept. 1; Gaz. vol. 206; p. 17.
- Fence-post, Metallic. A. Tegeler. No. 1,120,761; Dec. 15; Gaz. vol. 209; p. 731.
- Fence-post mold. B. C. Baker. No. 1,103,247; July 14; Gaz. vol. 204; p. 405.
- Fence-post mold. E. P. Baum. No. 1,109,389; Sept. 1; Gaz. vol. 206; p. 190.
- Fence-post, Plastic. F. A. Rice. No. 1,118,808; Nov. 24; Gaz. vol. 208; p. 1284.
- Fence-post, Steel. T. W. Smith. No. 1,117,459; Nov. 17; Gaz. vol. 208; p. 774.
- Fence-post stub. A. J. Bates. No. 1,083,582; Jan. 6; Gaz. vol. 198; p. 107.
- Fence-post, Telescopic. J. M. Fellows. No. 1,115,293; Oct. 27; Gaz. vol. 207; p. 1146.
- Fence-posts, Manufacturing. A. A. Kramer. No. 1,111,909; Sept. 29; Gaz. vol. 206; p. 1236.
- Fence-posts, Wire-securing appliance for. H. M. Hughs. No. 1,108,990; Sept. 1; Gaz. vol. 206; p. 47.
- Fence-stay. J. A. Nickolaus. No. 1,097,461; May 19; Gaz. vol. 202; p. 863.
- Fence stays, Machine for making wire-. J. W. Strachan. No. 1,094,379; Apr. 21; Gaz. vol. 201; p. 837.
- Fence-stretcher. M. Rossmann. No. 1,091,964; Mar. 31; Gaz. vol. 200; p. 1293.
- Fence stretcher, Wire-. H. F. Hansen and J. C. Scott. No. 1,091,217; Mar. 24; Gaz. vol. 200; p. 996.
- Fence stretcher, Wire-. T. R. G. Smith. No. 1,088,469; Feb. 24; Gaz. vol. 199; p. 1144.
- Fence stretcher, Wire-. J. W. Snedeker. No. 1,099,319; June 9; Gaz. vol. 203; p. 369.
- Fence stretchers, Clamp-bar for wire-. J. W. Snedeker. No. 1,099,318; June 9; Gaz. vol. 203; p. 368.
- Fence-stretching clamp, Wire-. H. H. Jeter. No. 1,084,802; Jan. 20; Gaz. vol. 198; p. 573.
- Fence tightener, Wire-. C. A. Lintecum. No. 1,083,623; Jan. 6; Gaz. vol. 198; p. 121.
- Fence-wire holder. N. Yoder. No. 1,095,614; May 5; Gaz. vol. 202; p. 151.
- Fence-wire reel. C. Anderson. No. 1,108,311; Aug. 25; Gaz. vol. 205; p. 1095.
- Fence-wire splicing. L. N. Pfeiffer. No. 1,107,104; Aug. 11; Gaz. vol. 205; p. 571.
- Fence-wire tool. B. Porter. No. 1,113,372; Oct. 13; Gaz. vol. 207; p. 378.
- Fences, &c., Apparatus for stretching woven-wire. A. E. Schnose. No. 1,116,633; Nov. 10; Gaz. vol. 208; p. 445.
- Fences or similar purposes, Standard for wire. J. B. Pearson. No. 1,122,997; Dec. 29; Gaz. vol. 209; p. 1584.
- Fences, Tool for building and repairing wire. R. L. Bingham. No. 1,106,771; Aug. 11; Gaz. vol. 205; p. 458.
- Fencing material, Package of. T. G. Ryan. No. 1,091,590; Mar. 31; Gaz. vol. 200; p. 1162.
- Fencing, Suspension-. O. C. Allen. No. 1,109,312; Sept. 1; Gaz. vol. 206; p. 161.
- Fender: See Adjustable fender; Auto-fender; Automatic fender; Automobile-fender; Car-fender; Car emergency-fender; Fireplace-fender; Plow-fender; Ship-fender; Vehicle-fender; Wheel-fender.
- Fender. J. E. Biro. No. 1,103,392; July 14; Gaz. vol. 204; p. 452.
- Fender. J. D. Bowley. No. 1,114,102; Oct. 20; Gaz. vol. 207; p. 673.
- Fender. E. Darnell and W. Lewis. No. 1,086,516; Feb. 10; Gaz. vol. 199; p. 372.
- Fender. E. L. Droz. No. 1,107,046; Aug. 11; Gaz. vol. 205; p. 552.
- Fender. J. F. Eisenhower. No. 1,117,988; Nov. 24; Gaz. vol. 208; p. 999.
- Fender. J. H. Ferguson. No. 1,085,558; Jan. 27; Gaz. vol. 198; p. 863.
- Fender. A. L. Garford. No. 1,110,433; Sept. 15; Gaz. vol. 206; p. 640.
- Fender. W. I. Gates. No. 1,121,346; Dec. 15; Gaz. vol. 209; p. 935.
- Fender. G. L. Hinderer. No. 1,089,468; Mar. 10; Gaz. vol. 200; p. 319.
- Fender. C. Klein. No. 1,093,785; Apr. 21; Gaz. vol. 201; p. 640.
- Fender. J. F. Minnich. No. 1,095,017; Apr. 28; Gaz. vol. 201; p. 1124.
- Fender. R. E. Morrow. No. 1,084,026; Jan. 13; Gaz. vol. 198; p. 284.
- Fender. E. H. Royer. No. 1,093,728; Apr. 21; Gaz. vol. 201; p. 624.
- Fender. E. F. Shue. No. 1,108,801; Aug. 25; Gaz. vol. 205; p. 1261.
- Fender. A. Sylvester. No. 1,114,936; Oct. 27; Gaz. vol. 207; p. 1021.
- Fender actuating and locking device. W. S. Menden. No. 1,085,150; Jan. 27; Gaz. vol. 198; p. 726.

Alphabetical list of inventions—Continued.

- Fender - vizor - wiring - in machine. F. Rundquist. No. 1,112,164; Sept. 29; Gaz. vol. 206; p. 1320.
- Fending device. M. Cohen. No. 1,097,537; May 19; Gaz. vol. 202; p. 888.
- Ferment, Making a. P. Altenfeld. No. 1,105,601; Aug. 4; Gaz. vol. 205; p. 4.
- Fern-dish, jardinière, or similar receptacle. W. F. Nies. No. 1,087,546; Feb. 17; Gaz. vol. 199; p. 781.
- Ferrocromium, Manufacturing. H. Goldschmidt and O. Weil. No. 1,122,907; Dec. 29; Gaz. vol. 209; p. 1553.
- Ferromanganese, Melting. E. Humbert. No. 1,101,551; June 30; Gaz. vol. 203; p. 1279.
- Ferrophosphorus, Manufacture of. D. I. Miller. No. 1,115,471; Oct. 27; Gaz. vol. 207; p. 1205.
- Ferrous liquors, Utilizing waste. W. F. Oesterle, Jr., C. A. Beale, and J. McFetridge. No. 1,108,387; Aug. 25; Gaz. vol. 205; p. 1120.
- Ferrule, Packing-incasing. P. Mueller and A. C. Schuermann. No. 1,116,609; Nov. 10; Gaz. vol. 208; p. 436.
- Ferry-landing apparatus. A. T. Prescott. No. 1,107,702; Aug. 18; Gaz. vol. 205; p. 834.
- Ferry-landing mechanism. H. T. Goss. No. 1,091,835; Mar. 31; Gaz. vol. 200; p. 1249.
- Fertilizer. T. L. Wilson and M. M. Haff. No. 1,112,183; Sept. 29; Gaz. vol. 206; p. 1326.
- Fertilizer and making the same. G. H. Benjamin. No. 1,105,607; Aug. 4; Gaz. vol. 205; p. 7.
- Fertilizer and making the same. W. F. Downs. No. 1,120,917; Dec. 15; Gaz. vol. 209; p. 787.
- Fertilizer and making the same. F. S. Washburn. No. 1,100,638; June 16; Gaz. vol. 203; p. 857.
- Fertilizer and manufacturing the same. T. Knösel. No. 1,108,189; Aug. 25; Gaz. vol. 205; p. 1051.
- Fertilizer and producing same. C. A. Black and W. H. Teare. No. 1,121,324; Dec. 15; Gaz. vol. 209; p. 928.
- Fertilizer and producing the same. F. S. Washburn. No. 1,103,115; July 14; Gaz. vol. 204; p. 358.
- Fertilizer and producing the same from rock minerals. J. Pirino. No. 1,111,490; Sept. 22; Gaz. vol. 206; p. 1050.
- Fertilizer-distributor. C. L. Burton. No. 1,120,021; Dec. 8; Gaz. vol. 209; p. 422.
- Fertilizer-distributor. W. W. Cameron. No. 1,093,826; Apr. 21; Gaz. vol. 201; p. 656.
- Fertilizer-distributor. F. J. Cole. No. 1,095,383; May 5; Gaz. vol. 202; p. 71.
- Fertilizer-distributor. C. R. Davis. No. 1,103,272; July 14; Gaz. vol. 204; p. 413.
- Fertilizer-distributor. W. C. Francis. No. 1,090,293; Mar. 17; Gaz. vol. 200; p. 646.
- Fertilizer-distributor. G. P. Greenwood. No. 1,111,895; Sept. 29; Gaz. vol. 206; p. 1232.
- Fertilizer-distributor. J. T. Hageman. No. 1,093,928; Apr. 21; Gaz. vol. 201; p. 690.
- Fertilizer-distributor. J. R. Smith. No. 1,108,263; Aug. 25; Gaz. vol. 205; p. 1077.
- Fertilizer-distributor. J. M. Walker. No. 1,090,356; Mar. 17; Gaz. vol. 200; p. 666.
- Fertilizer-distributor. T. P. Williams. No. 1,114,211; Oct. 20; Gaz. vol. 207; p. 712.
- Fertilizer-distributor, Reversible. J. W. Gunter and G. P. Haardt. No. 1,097,426; May 19; Gaz. vol. 202; p. 851.
- Fertilizer-distributors, Agitator and feeder for. E. M. Cole. No. 1,104,247; July 21; Gaz. vol. 204; p. 790.
- Fertilizer-distributing attachment. W. J. Gelink. No. 1,117,028; Nov. 10; Gaz. vol. 208; p. 583.
- Fertilizer-distributing attachment. P. Reading. No. 1,091,163; Mar. 24; Gaz. vol. 200; p. 977.
- Fertilizer, Method of and apparatus for recovering the by-products in the manufacture of. S. C. McGrath. No. 1,087,031; Feb. 10; Gaz. vol. 199; p. 549.
- Fertilizer-mixer. M. A. Lokey. No. 1,100,896; June 23; Gaz. vol. 203; p. 1001.
- Fertilizer, Obtaining. W. H. Heine. No. 1,122,923; Dec. 29; Gaz. vol. 209; p. 1557.
- Fertilizer-spreader. F. M. Williamson. No. 1,116,659; Nov. 10; Gaz. vol. 208; p. 455.
- Fertilizers, Production of. A. Messerschmitt. No. 1,083,553; Jan. 6; Gaz. vol. 198; p. 98.
- Fertilizing compound. T. L. Willson and M. M. Haff. No. 1,103,910; July 14; Gaz. vol. 204; p. 634.
- Fiber-board box, Corrugated. T. J. Corwin. No. 1,097,390; May 19; Gaz. vol. 202; p. 840.
- Fiber-board, Machine for smoothing. A. W. Case. No. 1,106,492; Aug. 11; Gaz. vol. 205; p. 360.
- Fiber breaking, cleaning, and softening machine. C. Colahan. No. 1,101,407; June 23; Gaz. vol. 203; p. 1177.
- Fiber-cleaning apparatus. J. K. Toles. No. 1,115,990; Nov. 3; Gaz. vol. 208; p. 179.
- Fiber-decorticating machine. O. Sheehan. No. 1,085,228; Jan. 27; Gaz. vol. 198; p. 753.
- Fiber-feeding mechanism. R. S. Curley and J. Moss. No. 1,122,867; Dec. 29; Gaz. vol. 209; p. 1539.
- Fiber from cocoanut-husks, Obtaining. A. Z. Rothschild. No. 1,111,405; Sept. 22; Gaz. vol. 206; p. 1022.
- Fiber from the stalk of the abaca-plant, Apparatus for extracting the. A. de Icsiar. No. 1,108,075; Aug. 18; Gaz. vol. 205; p. 963.
- Fiber polo-head. H. D. Cornwall. No. 1,116,022; Nov. 3; Gaz. vol. 208; p. 190.
- Fiber, Producing brown shades on. H. Schmid. No. 1,092,542; Apr. 7; Gaz. vol. 201; p. 144.
- Fiber-separating machine. M. E. Parks. No. 1,095,921; May 5; Gaz. vol. 202; p. 253.
- Fiber sheets, Making. L. N. Jones. No. 1,110,140; Sept. 8; Gaz. vol. 206; p. 498.
- Fiber-treating machines, Apron for. G. J. Torrance. No. 1,107,730; Aug. 18; Gaz. vol. 205; p. 844.
- Fibers, Apparatus for preparing cotton. W. H. Harriss. No. 1,117,567; Nov. 17; Gaz. vol. 208; p. 811.
- Fibers, Apparatus for preparing cotton. D. H. Haywood. No. 1,098,438; June 2; Gaz. vol. 203; p. 29.
- Fibers from other materials, Apparatus for separating. P. H. Minck and E. C. de Segundo. No. 1,089,661; Mar. 10; Gaz. vol. 200; p. 387.
- Fibers from plants, Device for the production of. G. M. E. Pos. No. 1,089,261; Mar. 3; Gaz. vol. 200; p. 201.
- Fibers, gums, and juices from fibrous plants, Apparatus for obtaining. F. V. Raymond, W. O. Beere, and J. E. Rough. No. 1,107,840; Aug. 18; Gaz. vol. 205; p. 882.
- Fibers of fibrous plants, Uniting the. J. S. Gillies. No. 1,095,103; Apr. 28; Gaz. vol. 201; p. 1151.
- Fibers, Preparing vegetable. G. D. Burton. No. 1,115,500; Nov. 3; Gaz. vol. 208; p. 12.
- Fibers, Preparing vegetable. G. D. Burton. No. 1,116,343; Nov. 3; Gaz. vol. 208; p. 299.
- Fibers, Softening textile. C. Marx. No. 1,120,730; Dec. 15; Gaz. vol. 209; p. 720.
- Fibers with liquids and gases, Apparatus for treating textile. J. T. and E. Brandwood. No. 1,101,248; June 23; Gaz. vol. 203; p. 1124.
- Fibers, yarns, and fabrics, Treating vegetable. J. Hirschberger. No. 1,087,584; Feb. 17; Gaz. vol. 199; p. 794.
- Fibrous material and making the same, Refractory. E. Weintraub and F. A. Kroner. No. 1,094,352; Apr. 21; Gaz. vol. 201; p. 828.
- Fibrous material, Apparatus for disintegrating. W. H. Stobie. No. 1,099,581; June 9; Gaz. vol. 203; p. 459.
- Fibrous material, Apparatus for treating. W. P. Straw. No. 1,117,721; Nov. 17; Gaz. vol. 208; p. 868.
- Fibrous material, Article of. P. R. French. No. 1,084,264; Jan. 13; Gaz. vol. 198; p. 364.
- Fibrous material, Removing impurities from. J. W. Connolly. No. 1,119,069; Dec. 1; Gaz. vol. 209; p. 60.
- Field-chair, Collapsible. J. Hayduk. No. 1,113,340; Oct. 13; Gaz. vol. 207; p. 367.
- Field-coil support. C. W. Starker. No. 1,086,096; Feb. 3; Gaz. vol. 199; p. 186.
- Field-cover. L. P. Derr. No. 1,088,407; Feb. 24; Gaz. vol. 199; p. 1124.
- Field-glasses, &c., Attachment for. J. T. Nesdall. No. 1,092,224; Apr. 7; Gaz. vol. 201; p. 34.
- Fifth-wheel. E. S. Hall. No. 1,105,424; July 28; Gaz. vol. 204; p. 1250.
- Fifth-wheel. G. E. Nocher. No. 1,101,321; June 23; Gaz. vol. 203; p. 1149.
- Fifth-wheel for buggies. D. B. Lillard. No. 1,092,371; Apr. 7; Gaz. vol. 201; p. 86.
- Fifth-wheel for vehicles. W. O. Shadboit. No. 1,099,152; June 2; Gaz. vol. 203; p. 266.
- Filament-mounting. E. S. Gardner. No. 1,089,759; Mar. 10; Gaz. vol. 200; p. 420.
- Filament-mounting. H. C. G. Remané. No. 1,106,971; Aug. 11; Gaz. vol. 205; p. 528.
- Filament-support. W. R. Whitney. No. 1,105,050; July 28; Gaz. vol. 204; p. 1117.
- Filament supports, Automatic fusion device for making metallic. K. Farkas. No. 1,104,295; July 21; Gaz. vol. 204; p. 806.
- Filament, Zirconium lamp-. C. A. Hansen. No. 1,084,629; Jan. 20; Gaz. vol. 198; p. 512.
- Filaments and filamentous plates for storage-battery electrodes, Making. H. C. Hubbell. No. 1,088,343; Feb. 24; Gaz. vol. 199; p. 1102.
- Filaments, films, and masses from cellulose acetate, Preparing. H. S. Mork. No. 1,107,222; Aug. 11; Gaz. vol. 205; p. 615.
- Filaments for electric incandescent lamps, Manufacture of metallic. J. A. Scoular. No. 1,104,557; July 21; Gaz. vol. 204; p. 900.
- Filaments for electric lamps, Manufacture of metallic. A. Lederer. No. 1,116,450; Nov. 10; Gaz. vol. 208; p. 376.
- Filaments for tungsten-lamps, Manufacture of. G. P. Scholl. No. 1,086,088; Feb. 3; Gaz. vol. 199; p. 183.
- Filaments, Manufacture of electric. C. A. von Welsbach. No. 1,086,428; Feb. 10; Gaz. vol. 199; p. 341.
- Filaments, Manufacture of electric. C. F. A. von Welsbach. No. 1,090,111; Mar. 10; Gaz. vol. 200; p. 541.
- Filaments, Manufacture of electric. C. A. von Welsbach. No. 1,109,886; Sept. 8; Gaz. vol. 206; p. 405.
- Filaments, Manufacture of electric. C. A. von Welsbach. No. 1,109,887; Sept. 8; Gaz. vol. 206; p. 405.
- Filaments, Manufacture of electric. C. A. von Welsbach. No. 1,109,888; Sept. 8; Gaz. vol. 206; p. 406.
- Filaments, Preparing conducting. H. D. Madden and W. G. Houskeeper. No. 1,099,095; June 2; Gaz. vol. 203; p. 246.
- Filaments, Treating incandescent-lamp. R. H. Henderson. No. 1,086,171; Feb. 3; Gaz. vol. 199; p. 210.

Alphabetical list of inventions—Continued.

- Filaments, Welding lamp-. G. F. Morrison. No. 1,093,197; Apr. 14; Gaz. vol. 201; p. 404.
 File. J. H. Barker. No. 1,106,536; Aug. 11; Gaz. vol. 205; p. 376.
 File. E. F. Dayton. No. 1,109,114; Sept. 1; Gaz. vol. 206; p. 91.
 File. L. M. Morden. No. 1,090,332; Mar. 17; Gaz. vol. 200; p. 659.
 File. O. G. Simmons. No. 1,104,561; July 21; Gaz. vol. 204; p. 902.
 File. C. B. Ulrich. No. 1,121,151; Dec. 15; Gaz. vol. 209; p. 870.
 File, Account-. W. Barr, Jr. No. 1,107,742; Aug. 18; Gaz. vol. 205; p. 849.
 File, Account-. E. J. Vickers. No. 1,093,956; Apr. 21; Gaz. vol. 201; p. 699.
 File and binder. J. T. Todd. No. 1,120,864; Dec. 15; Gaz. vol. 209; p. 767.
 File, Bill-. E. Ellis. No. 1,109,053; Sept. 1; Gaz. vol. 206; p. 70.
 File, Bill-. H. B. Mathews. No. 1,101,031; June 23; Gaz. vol. 203; p. 1050.
 File, Bill-. C. L. Passmore. No. 1,088,837; Mar. 3; Gaz. vol. 200; p. 57.
 File-box. W. H. Whittle. No. 1,106,265; Aug. 4; Gaz. vol. 205; p. 235.
 File-cabinet. F. L. G. Straubel. No. 1,083,304; Jan. 6; Gaz. vol. 198; p. 15.
 File, Document-. F. S. Jones. No. 1,120,941; Dec. 15; Gaz. vol. 209; p. 795.
 File, Envelop-. F. C. Avery. No. 1,113,182; Oct. 13; Gaz. vol. 207; p. 308.
 File, folder, Visible-title-plate. A. J. Laviolette. No. 1,115,216; Oct. 27; Gaz. vol. 207; p. 1121.
 File for documents, papers, and the like. H. Locher. No. 1,109,170; Sept. 1; Gaz. vol. 206; p. 112.
 File for household-accounts and the like. J. R. Bailey. No. 1,117,126; Nov. 10; Gaz. vol. 208; p. 616.
 File for letters or the like. A. Duthil. No. 1,117,648; Nov. 17; Gaz. vol. 208; p. 841.
 File for papers and documents. J. Walker, Jr. No. 1,111,981; Sept. 29; Gaz. vol. 206; p. 1257.
 File-holder. G. Findlay and J. Hansen. No. 1,094,549; Apr. 28; Gaz. vol. 201; p. 957.
 File, Ledger-account-. C. S. Ellinwood. No. 1,108,893; Sept. 1; Gaz. vol. 206; p. 11.
 File, Letter-. P. Ebner. No. 1,091,490; Mar. 31; Gaz. vol. 200; p. 1129.
 File, Making a. J. Ridge. No. 1,120,973; Dec. 15; Gaz. vol. 209; p. 804.
 File or binder, Automatic. K. Uhlig. No. 1,086,423; Feb. 10; Gaz. vol. 199; p. 339.
 File or register, Account-. L. E. Leonard. No. 1,107,326; Aug. 18; Gaz. vol. 205; p. 699.
 File or the like, Letter-. W. A. Cooke, Jr. No. 1,107,657; Aug. 18; Gaz. vol. 205; p. 819.
 File, Paper-. W. Bodlaender. No. 1,084,839; Jan. 20; Gaz. vol. 198; p. 586.
 File, Paper-. D. C. Buie. No. 1,109,035; Sept. 1; Gaz. vol. 206; p. 64.
 File, Paper-. W. E. Donovan. No. 1,122,874; Dec. 29; Gaz. vol. 209; p. 1542.
 File, Prescription-. W. F. Beaird. No. 1,084,527; Jan. 13; Gaz. vol. 198; p. 448.
 Files or rasps, Manufacture of. W. H. Wakfer. No. 1,109,156; Sept. 1; Gaz. vol. 206; p. 106.
 Files, Support for paper-. J. W. Gregory. No. 1,105,421; July 28; Gaz. vol. 204; p. 1249.
 Filing apparatus, Sheet-. G. F. Porter. No. 1,099,665; June 9; Gaz. vol. 203; p. 487.
 Filing appliance. H. J. Hick. No. 1,086,769; Feb. 10; Gaz. vol. 199; p. 461.
 Filing appliance. H. J. Hick. No. 1,086,770; Feb. 10; Gaz. vol. 199; p. 461.
 Filing appliance. H. J. Hick. No. 1,098,383; June 2; Gaz. vol. 203; p. 9.
 Filing appliance. H. J. Hick. No. 1,107,305; Aug. 18; Gaz. vol. 205; p. 691.
 Filing appliance. H. J. Hick. No. 1,107,307; Aug. 18; Gaz. vol. 205; p. 692.
 Filing appliance. H. J. Hick. No. 1,115,197; Oct. 27; Gaz. vol. 207; p. 1114.
 Filing appliance. H. J. Hick. No. 1,118,007; Nov. 24; Gaz. vol. 208; p. 1005.
 Filing appliance. H. J. Hick. No. 1,118,008; Nov. 24; Gaz. vol. 208; p. 1006.
 Filing appliance. H. J. Hick. No. 1,122,926; Dec. 29; Gaz. vol. 209; p. 1558.
 Filing appliance. T. G. Saxton. No. 1,122,313; Dec. 29; Gaz. vol. 209; p. 1346.
 Filing appliance. E. T. Silvius. No. 1,113,698; Oct. 13; Gaz. vol. 207; p. 491.
 Filing appliance. A. S. Weldy. No. 1,116,771; Nov. 10; Gaz. vol. 208; p. 493.
 Filing-appliance indicator. E. B. Moseley. No. 1,118,039; Nov. 24; Gaz. vol. 208; p. 1017.
 Filing-cabinet. F. W. Ackerman. No. 1,099,868; June 9; Gaz. vol. 203; p. 557.
 Filing-cabinet. E. S. Davis. No. 1,121,330; Dec. 15; Gaz. vol. 209; p. 929.
 Filing-cabinet. A. Martin. No. 1,103,598; July 14; Gaz. vol. 204; p. 526.
 Filing-cabinet. W. J. Thompson. No. 1,083,776; Jan. 6; Gaz. vol. 198; p. 171.
 Filing-cabinet drawers, Follower for. A. H. Schaffert. No. 1,120,548; Dec. 8; Gaz. vol. 209; p. 609.
 Filing-cabinets, Follower mechanism for. E. Stuck. No. 1,116,757; Nov. 10; Gaz. vol. 208; p. 488.
 Filing-cabinets, Sides unit for metal. A. H. Schaffert. No. 1,089,796; Mar. 10; Gaz. vol. 200; p. 432.
 Filing-case lock. R. G. Bullock. No. 1,109,106; Sept. 1; Gaz. vol. 206; p. 88.
 Filing-case or the like. H. E. Davis. No. 1,103,945; July 21; Gaz. vol. 204; p. 687.
 Filing clip, Letter-. J. M. Hill. No. 1,094,716; Apr. 28; Gaz. vol. 201; p. 1020.
 Filing device. R. M. Chatham. No. 1,119,925; Dec. 8; Gaz. vol. 209; p. 389.
 Filing device. J. C. Hub. No. 1,109,631; Sept. 1; Gaz. vol. 206; p. 272.
 Filing device. B. McDonald. No. 1,106,396; Aug. 11; Gaz. vol. 205; p. 323.
 Filing device. R. D. Struble. No. 1,090,089; Mar. 10; Gaz. vol. 200; p. 533.
 Filing device, Account-. P. A. McCaskey. No. 1,106,051; Aug. 4; Gaz. vol. 205; p. 163.
 Filing device for loose leaves or similar bodies. J. Trägarth. No. 1,091,986; Mar. 31; Gaz. vol. 200; p. 1300.
 Filing device or album. R. Krumming. No. 1,084,349; Jan. 13; Gaz. vol. 198; p. 392.
 Filing-machine. J. E. Perkins. No. 1,118,307; Nov. 24; Gaz. vol. 208; p. 1109.
 Filing-receptacles, Follower for. A. T. Weiss. No. 1,114,081; Oct. 20; Gaz. vol. 207; p. 665.
 Filing-receptacles, Follower for. A. T. Weiss. No. 1,116,184; Nov. 3; Gaz. vol. 208; p. 245.
 Filing system for clippings. J. A. Mudd. No. 1,083,292; Jan. 6; Gaz. vol. 198; p. 12.
 Filing systems, Leaf for. G. C. Parsons. No. 1,084,357; Jan. 13; Gaz. vol. 198; p. 394.
 Filler. T. A. Sailor. No. 1,096,956; May 19; Gaz. vol. 202; p. 687.
 Filler-cap. O. J. Groehn. No. 1,087,167; Feb. 17; Gaz. vol. 199; p. 647.
 Filler-form. L. Day. No. 1,117,964; Nov. 17; Gaz. vol. 208; p. 951.
 Filling apparatus, Receptacle-. F. O. Hoagland. No. 1,085,125; Jan. 27; Gaz. vol. 198; p. 718.
 Filling-machine. J. P. Crandall. No. 1,108,974; Sept. 1; Gaz. vol. 206; p. 40.
 Filling-machine. K. Kiefer. No. 1,115,834; Nov. 3; Gaz. vol. 208; p. 124.
 Filling-machine. H. M. Smith. No. 1,086,566; Feb. 10; Gaz. vol. 199; p. 390.
 Film-box. A. S. Griffey and B. Steinhauser. No. 1,121,919; Dec. 22; Gaz. vol. 209; p. 1172.
 Film-burster. C. P. Shaw. No. 1,102,807; July 7; Gaz. vol. 204; p. 205.
 Film-carrier. F. von Madaler. No. 1,100,591; June 16; Gaz. vol. 203; p. 841.
 Film-container. J. F. Blaski. No. 1,096,887; May 19; Gaz. vol. 202; p. 662.
 Film developing and drying support. A. C. Fisher. No. 1,089,916; Mar. 10; Gaz. vol. 200; p. 474.
 Film-developing tank. W. T. Miller. No. 1,091,687; Mar. 31; Gaz. vol. 200; p. 1196.
 Film-drier. C. M. Young. No. 1,108,306; Aug. 25; Gaz. vol. 205; p. 1093.
 Film-exposure apparatus, Automatic. A. G. Donnelly. No. 1,098,371; June 2; Gaz. vol. 203; p. 4.
 Film-feeding mechanism. P. J. Mukautz. No. 1,105,036; July 28; Gaz. vol. 204; p. 1112.
 Film, Flexible. A. W. Anderson. No. 1,108,962; Sept. 1; Gaz. vol. 206; p. 37.
 Film holders, Loading device for cut-. F. W. Barnes and F. W. Lovejoy. No. 1,113,288; Oct. 13; Gaz. vol. 207; p. 348.
 Film-magazine. J. Tessier. No. 1,111,506; Sept. 22; Gaz. vol. 206; p. 1056.
 Film-magazine indicator. N. Power. No. 1,118,512; Nov. 24; Gaz. vol. 208; p. 1183.
 Film-mending machine. P. E. Stow. No. 1,088,478; Feb. 24; Gaz. vol. 199; p. 1146.
 Film-pack. D. H. Houghton. No. 1,120,498; Dec. 8; Gaz. vol. 209; p. 590.
 Film-reel. A. H. Davis and W. Tillotson. No. 1,121,231; Dec. 15; Gaz. vol. 209; p. 896.
 Film reel and casing. H. J. Troxell. No. 1,106,754; Aug. 11; Gaz. vol. 205; p. 452.
 Film-repairing device. F. K. Jella and F. M. Browning. No. 1,095,874; May 5; Gaz. vol. 202; p. 239.
 Film-rewinding machine. G. B. Van Akin and J. E. Borst. No. 1,121,445; Dec. 15; Gaz. vol. 209; p. 969.
 Film-spool center. J. A. Robertson. No. 1,100,100; June 16; Gaz. vol. 203; p. 674.
 Film-winding apparatus. F. J. H. Fleck. No. 1,095,096; Apr. 28; Gaz. vol. 201; p. 1149.
 Film-winding device. C. F. Jenkins. No. 1,093,933; Apr. 21; Gaz. vol. 201; p. 691.

Alphabetical list of inventions—Continued.

- Film-winding device. G. S. Proctor and J. B. Prendergast. No. 1,113,247; Oct. 13; Gaz. vol. 207; p. 333.
- Film-winding mechanism. P. C. Brenner. No. 1,104,616; July 21; Gaz. vol. 204; p. 919.
- Films, Apparatus for the production of. B. Borzykowski. No. 1,090,679; Mar. 17; Gaz. vol. 200; p. 779.
- Films, Apparatus for treating liquid. C. V. Boys. No. 1,088,202; Feb. 24; Gaz. vol. 199; p. 1054.
- Films, Package for light-sensitive. J. Schmuck. No. 1,098,844; June 2; Gaz. vol. 203; p. 165.
- Filter. H. Alinder. No. 1,084,383; Jan. 13; Gaz. vol. 198; p. 402.
- Filter. J. M. Colven. No. 1,099,236; June 9; Gaz. vol. 203; p. 340.
- Filter. J. W. Corn. No. 1,119,575; Dec. 1; Gaz. vol. 209; p. 233.
- Filter. E. Cousens. No. 1,120,448; Dec. 8; Gaz. vol. 209; p. 573.
- Filter. S. L. Crawford. No. 1,088,011; Feb. 24; Gaz. vol. 199; p. 989.
- Filter. C. S. Fackenthal. No. 1,106,641; Aug. 11; Gaz. vol. 205; p. 414.
- Filter. U. Hoke. No. 1,112,212; Sept. 29; Gaz. vol. 206; p. 1338.
- Filter. O. M. Lamsens. No. 1,093,999; Apr. 21; Gaz. vol. 201; p. 713.
- Filter. H. N. Looker. No. 1,112,923; Oct. 6; Gaz. vol. 207; p. 178.
- Filter. M. H. Maloney. No. 1,098,852; May 26; Gaz. vol. 202; p. 1219.
- Filter. M. H. Maloney. No. 1,113,365; Oct. 13; Gaz. vol. 207; p. 375.
- Filter. J. R. Proper. No. 1,102,685; July 7; Gaz. vol. 204; p. 162.
- Filter. H. Reisert. No. 1,088,929; Mar. 3; Gaz. vol. 200; p. 88.
- Filter. G. Spence. No. 1,111,275; Sept. 22; Gaz. vol. 206; p. 978.
- Filter. A. Sullivan. No. 1,084,978; Jan. 20; Gaz. vol. 198; p. 631.
- Filter. W. F. Warden. No. 1,108,037; Aug. 18; Gaz. vol. 205; p. 950.
- Filter. J. F. Wise. No. 1,110,852; Sept. 15; Gaz. vol. 206; p. 787.
- Filter, Air-. M. Brauer. No. 1,094,521; Apr. 28; Gaz. vol. 201; p. 948.
- Filter, Air-. P. E. Nolden. No. 1,091,695; Mar. 31; Gaz. vol. 200; p. 1198.
- Filter-bed-cleaning apparatus. W. A. Stevenson. No. 1,096,868; May 19; Gaz. vol. 202; p. 655.
- Filter, Cistern-water. J. R. and S. G. Haselden. No. 1,108,365; Aug. 25; Gaz. vol. 205; p. 1112.
- Filter connection. H. B. Eells and I. H. Kaufman. No. 1,108,153; Aug. 25; Gaz. vol. 205; p. 1038.
- Filter construction. G. F. Hodgkinson. No. 1,114,763; Oct. 27; Gaz. vol. 207; p. 958.
- Filter, Continuously-operating. J. H. Fleetwood. No. 1,107,924; Aug. 18; Gaz. vol. 205; p. 909.
- Filter for atomizers and other devices. C. I. Wright. No. 1,088,954; Mar. 3; Gaz. vol. 200; p. 98.
- Filter for slimes, pulp, and the like. G. Ridgway. No. 1,103,080; July 14; Gaz. vol. 204; p. 345.
- Filter, Gas-. A. J. Bassett. No. 1,103,249; July 14; Gaz. vol. 204; p. 406.
- Filter, Gasolene-. J. H. Finch, Jr. No. 1,095,198; May 5; Gaz. vol. 202; p. 9.
- Filter, Gasolene-. C. A. Port. No. 1,083,757; Jan. 6; Gaz. vol. 198; p. 165.
- Filter-leaf. N. A. Burgess. No. 1,114,224; Oct. 20; Gaz. vol. 207; p. 717.
- Filter-leaves, Cleaning. P. F. Leach. No. 1,101,639; June 30; Gaz. vol. 203; p. 1310.
- Filter, Light-. C. Mannich and F. Zernik. No. 1,099,710; June 9; Gaz. vol. 203; p. 504.
- Filter or trap, Gasolene. J. H. Finch, Jr. No. 1,094,321; Apr. 21; Gaz. vol. 201; p. 818.
- Filter-plate. P. Porges. No. 1,091,080; Mar. 24; Gaz. vol. 200; p. 948.
- Filter, Pocket-. P. C. Fauntleroy. No. 1,119,942; Dec. 8; Gaz. vol. 209; p. 394.
- Filter-press. A. Burger. No. 1,112,674; Oct. 6; Gaz. vol. 207; p. 95.
- Filter-press. C. W. Merrill. No. 1,093,345; Apr. 14; Gaz. vol. 201; p. 454.
- Filter-press. G. Pistor, J. Dion, and H. Reitz. No. 1,084,659; Jan. 20; Gaz. vol. 198; p. 522.
- Filter-press. O. J. Salisbury. No. 1,120,628; Dec. 8; Gaz. vol. 209; p. 638.
- Filter-press. F. J. Wagner. No. 1,119,736; Dec. 1; Gaz. vol. 209; p. 286.
- Filter-presses, Nozzle and cloth belonging to and used in. J. Newton. No. 1,083,460; Jan. 6; Gaz. vol. 198; p. 68.
- Filter, Pressure-. E. J. Sweetland. No. 1,083,305; Jan. 6; Gaz. vol. 198; p. 16.
- Filter, sterilizer, and cooler, Combined water. U. J. Ewing. No. 1,123,117; Dec. 29; Gaz. vol. 209; p. 1626.
- Filter, Water-. R. Campbell. No. 1,093,684; Apr. 21; Gaz. vol. 201; p. 609.
- Filter, Water-. M. Jackson. No. 1,083,883; Jan. 6; Gaz. vol. 198; p. 202.
- Filter, Wine-. S. Springer. No. 1,099,212; June 9; Gaz. vol. 203; p. 331.
- Filters, Dosing device for controlling the flow of sewage to sprinkling. C. B. Buerger. No. 1,104,474; July 21; Gaz. vol. 204; p. 868.
- Filters for cyanid process, Leaf of vacuum-. Y. Ohtsuka. No. 1,111,609; Sept. 22; Gaz. vol. 206; p. 1092.
- Filterer or strainer, Water. M. L. Crandall. No. 1,090,283; Mar. 17; Gaz. vol. 200; p. 642.
- Filtering apparatus. O. J. Salisbury. No. 1,120,629; Dec. 8; Gaz. vol. 209; p. 638.
- Filtering apparatus, Brewer's. O. Selg. No. 1,101,098; June 23; Gaz. vol. 203; p. 1072.
- Filtering apparatus, Rotary. J. B. Adt. No. 1,098,076; May 26; Gaz. vol. 202; p. 1125.
- Filtering apparatus, Slimes-. C. Butters. No. 1,100,217; June 16; Gaz. vol. 203; p. 715.
- Filtering apparatus, Slimes-. C. Butters. No. 1,100,218; June 16; Gaz. vol. 203; p. 715.
- Filtering apparatus, Slimes-. C. Butters. No. 1,100,219; June 16; Gaz. vol. 203; p. 716.
- Filtering apparatus, Slimes-. C. Butters. No. 1,100,220; June 16; Gaz. vol. 203; p. 716.
- Filtering apparatus, Slimes-. C. Butters. No. 1,100,222; June 16; Gaz. vol. 203; p. 716.
- Filtering apparatus, Slimes-. W. A. Stedman. No. 1,100,267; June 16; Gaz. vol. 203; p. 733.
- Filtering cup-cover, Dust-proof. H. H. Nieman. No. 1,120,229; Dec. 8; Gaz. vol. 209; p. 495.
- Filtering device. H. A. Hills. No. 1,113,342; Oct. 13; Gaz. vol. 207; p. 368.
- Filtering device. M. G. and V. Swartwood. No. 1,113,066; Oct. 6; Gaz. vol. 207; p. 226.
- Filtering-leaf. G. W. Shepherd. No. 1,096,133; May 12; Gaz. vol. 202; p. 362.
- Filtering-machine. J. Drage. No. 1,087,647; Feb. 17; Gaz. vol. 199; p. 818.
- Filtering material, Manufacturing. F. Pott. No. 1,089,346; Mar. 3; Gaz. vol. 200; p. 228.
- Filtering medium. J. E. Porter. No. 1,117,601; Nov. 17; Gaz. vol. 208; p. 822.
- Filtering medium. J. E. Porter. No. 1,118,441; Nov. 24; Gaz. vol. 208; p. 1159.
- Filtering or dewatering machine for ore-pulp, Centrifugal. J. C. King. No. 1,088,823; Mar. 3; Gaz. vol. 200; p. 51.
- Filtration-plant controlling device. W. J. Pike. No. 1,111,857; Sept. 29; Gaz. vol. 206; p. 1217.
- Filtering-press. J. B. Adt. No. 1,098,075; May 26; Gaz. vol. 202; p. 1125.
- Filtering slimes. C. Butters. No. 1,100,221; June 16; Gaz. vol. 203; p. 716.
- Filtering slimes. C. Butters. No. 1,100,223; June 16; Gaz. vol. 203; p. 717.
- Filtering valuable compounds, Apparatus for. N. A. Burgess. No. 1,103,345; July 14; Gaz. vol. 204; p. 438.
- Finger attachment. J. K. Poteat. No. 1,091,892; Mar. 31; Gaz. vol. 200; p. 1269.
- Finger-cots and the like, Machine for making. J. Hadfield. No. 1,097,017; May 19; Gaz. vol. 202; p. 707.
- Finger-protector. J. F. Silks. No. 1,109,796; Sept. 8; Gaz. vol. 206; p. 371.
- Finger-ring. K. Beetar. No. 1,099,733; June 9; Gaz. vol. 203; p. 511.
- Finger-ring. E. N. Block. No. 1,092,819; Apr. 14; Gaz. vol. 201; p. 274.
- Finger-ring. J. Mehrlust. No. 1,099,810; June 9; Gaz. vol. 203; p. 537.
- Finger-ring. W. L. Schmidt. No. 1,121,296; Dec. 15; Gaz. vol. 209; p. 918.
- Finish-remover. G. Dosselman and P. Neymann. No. 1,113,964; Oct. 20; Gaz. vol. 207; p. 624.
- Finish-remover. C. Ellis. No. 1,100,177; June 16; Gaz. vol. 203; p. 702.
- Finish-remover. C. Ellis. No. 1,102,330; July 7; Gaz. vol. 204; p. 38.
- Finish-remover. C. Ellis. No. 1,118,642; Nov. 24; Gaz. vol. 208; p. 1228.
- Finishing, assorting, and packaging machine. H. A. Spiller. No. 1,098,061; May 26; Gaz. vol. 202; p. 1119.
- Finishing composition and preparing same. M. F. Coughlin and C. E. Swett. No. 1,114,119; Oct. 20; Gaz. vol. 207; p. 679.
- Finishing-machine. H. Levine. No. 1,104,683; July 21; Gaz. vol. 204; p. 941.
- Finishing-machine. A. J. Powers. No. 1,102,435; July 7; Gaz. vol. 204; p. 75.
- Fire-alarm. F. Herbeck. No. 1,108,753; Aug. 25; Gaz. vol. 205; p. 1245.
- Fire-alarm. M. Moloney. No. 1,109,859; Sept. 8; Gaz. vol. 206; p. 395.
- Fire-alarm. J. Stevens. No. 1,102,451; July 7; Gaz. vol. 204; p. 80.
- Fire alarm and extinguisher. J. Hartley. No. 1,084,208; Jan. 13; Gaz. vol. 198; p. 346.
- Fire-alarm, Automatic. E. A. Gehrke. No. 1,093,395; Apr. 14; Gaz. vol. 201; p. 472.
- Fire-alarm, Automatic. J. J. C. Singleton. No. 1,090,242; Mar. 17; Gaz. vol. 200; p. 628.

Alphabetical list of inventions—Continued.

- Fire-alarm box. J. J. Ghegan. No. 1,123,122; Dec. 29; Gaz. vol. 209; p. 1628.
- Fire-alarm box. E. L. Rowley and G. H. Gibson. No. 1,117,706; Nov. 17; Gaz. vol. 208; p. 862.
- Fire-alarm circuit-closer. B. Trent. No. 1,095,949; May 5; Gaz. vol. 202; p. 262.
- Fire-alarm contacts, Electric thermostatic. H. Dixon. No. 1,117,347; Nov. 17; Gaz. vol. 208; p. 736.
- Fire-alarm, Mercurio-electric. L. Cavalier. No. 1,101,251; June 23; Gaz. vol. 203; p. 1125.
- Fire-alarm system. M. Matos. No. 1,116,458; Nov. 10; Gaz. vol. 208; p. 378.
- Fire-alarm system. G. H. Matthews. No. 1,106,151; Aug. 4; Gaz. vol. 205; p. 198.
- Fire-alarm system. E. Schumann. No. 1,105,044; July 28; Gaz. vol. 204; p. 1115.
- Fire-alarm system, Automatic. I. B. Simms. No. 1,111,708; Sept. 22; Gaz. vol. 206; p. 1128.
- Fire-alarm system, Automatic and electric. J. M. Johnson. No. 1,102,666; July 7; Gaz. vol. 204; p. 156.
- Fire-alarm, Thermostatic. L. C. Miller. No. 1,112,226; Sept. 29; Gaz. vol. 206; p. 1342.
- Fire and burglar alarm. H. Hesse. No. 1,107,945; Aug. 18; Gaz. vol. 205; p. 917.
- Fire and burglar alarm, Automatic. L. A. Meyers. No. 1,084,100; Jan. 13; Gaz. vol. 198; p. 309.
- Fire and damp proof buildings, Construction of. J. W. Mallonee. No. 1,095,009; Apr. 28; Gaz. vol. 201; p. 1121.
- Fire apparatus. A. Audet. No. 1,114,718; Oct. 27; Gaz. vol. 207; p. 941.
- Fire apparatus. F. E. Roff. No. 1,094,252; Apr. 21; Gaz. vol. 201; p. 798.
- Fire apparatus, Chemical. J. Lunoe. No. 1,113,228; Oct. 13; Gaz. vol. 207; p. 326.
- Fire-bar, Water-cooled. R. Grabowsky. No. 1,107,291; Aug. 18; Gaz. vol. 205; p. 687.
- Fire-box, &c. J. M. McClellon. No. 1,111,267; Sept. 22; Gaz. vol. 206; p. 975.
- Fire-box construction. J. M. McClellon. No. 1,105,526; July 28; Gaz. vol. 204; p. 1285.
- Fire-boxes, Water-tube arch for. W. C. and H. F. Jacobs. No. 1,096,917; May 19; Gaz. vol. 202; p. 672.
- Fire-bucket and waste-can, Combined. G. W. Lorimer. No. 1,100,837; June 23; Gaz. vol. 203; p. 981.
- Fire-detector, Thermometric. K. Matsudaira. No. 1,111,912; Sept. 29; Gaz. vol. 206; p. 1237.
- Fire-door. W. B. Gervais and M. Gilmore. No. 1,087,577; Feb. 17; Gaz. vol. 199; p. 792.
- Fire-door. M. W. Harris. No. 1,102,047; June 30; Gaz. vol. 203; p. 1454.
- Fire-door. J. E. Osmer. No. 1,122,300; Dec. 29; Gaz. vol. 209; p. 1342.
- Fire-door and operating mechanism therefor. L. A. Hardin. No. 1,084,087; Jan. 13; Gaz. vol. 198; p. 305.
- Fire-door bolt, Three-point. J. H. Stewart. No. 1,097,372; May 19; Gaz. vol. 202; p. 833.
- Fire-door draft-check. R. G. Long. No. 1,093,446; Apr. 14; Gaz. vol. 201; p. 487.
- Fire-door, Gravity. F. Mesker, H. F. Edwards, C. E. Smith, G. F. Stephens, and W. J. Seele. No. 1,096,446; May 12; Gaz. vol. 202; p. 469.
- Fire-door lock. A. Arens and J. R. Fletcher. No. 1,094,962; Apr. 28; Gaz. vol. 201; p. 1105.
- Fire door or window. G. W. Knopf. No. 1,112,071; Sept. 29; Gaz. vol. 206; p. 1287.
- Fire-engine heater, Auxiliary. J. B. Redd and S. Bermingham. No. 1,096,458; May 12; Gaz. vol. 202; p. 473.
- Fire-escape. F. J. Baldwin and E. Treisch. No. 1,099,834; June 9; Gaz. vol. 203; p. 544.
- Fire-escape. D. Brown. No. 1,119,802; Dec. 8; Gaz. vol. 209; p. 346.
- Fire-escape. J. C. Brown. No. 1,091,802; Mar. 31; Gaz. vol. 200; p. 1237.
- Fire-escape. J. C. Brown. No. 1,098,223; May 26; Gaz. vol. 202; p. 1174.
- Fire-escape. C. F. Davy. No. 1,116,680; Nov. 10; Gaz. vol. 208; p. 462.
- Fire-escape. K. O. Elmqvist. No. 1,101,910; June 30; Gaz. vol. 203; p. 1403.
- Fire-escape. M. J. Fitzgerald. No. 1,117,018; Nov. 10; Gaz. vol. 208; p. 580.
- Fire-escape. M. Freed. No. 1,087,440; Feb. 17; Gaz. vol. 199; p. 744.
- Fire-escape. W. F. Hajek. No. 1,084,737; Jan. 20; Gaz. vol. 198; p. 551.
- Fire-escape. W. F. Hajek. No. 1,111,794; Sept. 29; Gaz. vol. 206; p. 1195.
- Fire-escape. W. H. Hale. No. 1,113,158; Oct. 6; Gaz. vol. 207; p. 258.
- Fire-escape. C. A. Johansson. No. 1,116,434; Nov. 10; Gaz. vol. 208; p. 370.
- Fire-escape. A. F. Jones. No. 1,094,213; Apr. 21; Gaz. vol. 201; p. 785.
- Fire-escape. A. Kwiatkowski. No. 1,113,651; Oct. 13; Gaz. vol. 207; p. 474.
- Fire-escape. W. Liess. No. 1,086,329; Feb. 3; Gaz. vol. 199; p. 259.
- Fire-escape. N. MacLeod. No. 1,085,216; Jan. 27; Gaz. vol. 198; p. 750.
- Fire-escape. D. A. McCoy. No. 1,116,829; Nov. 10; Gaz. vol. 208; p. 514.
- Fire-escape. A. Moser. No. 1,084,162; Jan. 13; Gaz. vol. 198; p. 330.
- Fire-escape. F. Nemeth. No. 1,115,093; Oct. 27; Gaz. vol. 207; p. 1077.
- Fire-escape. T. Ottignon. No. 1,092,662; Apr. 7; Gaz. vol. 201; p. 186.
- Fire-escape. H. Prince. No. 1,095,595; May 5; Gaz. vol. 202; p. 144.
- Fire-escape. J. J. Quinn. No. 1,086,617; Feb. 10; Gaz. vol. 199; p. 409.
- Fire-escape. H. Räuber. No. 1,101,714; June 30; Gaz. vol. 203; p. 1334.
- Fire-escape. M. Rosner. No. 1,104,449; July 21; Gaz. vol. 204; p. 860.
- Fire-escape. O. Schnitzler and B. J. Welage. No. 1,106,588; Aug. 11; Gaz. vol. 205; p. 395.
- Fire-escape. P. H. Shea. No. 1,121,142; Dec. 15; Gaz. vol. 209; p. 867.
- Fire-escape. J. M. Sherman. No. 1,117,098; Nov. 10; Gaz. vol. 208; p. 607.
- Fire-escape. J. A. Stuart. No. 1,114,392; Oct. 20; Gaz. vol. 207; p. 775.
- Fire-escape. J. L. Smith. No. 1,115,603; Nov. 3; Gaz. vol. 208; p. 46.
- Fire-escape. S. L. Smith. No. 1,123,029; Dec. 29; Gaz. vol. 209; p. 1596.
- Fire-escape. V. Snyder. No. 1,088,470; Feb. 24; Gaz. vol. 199; p. 1144.
- Fire-escape. A. F. V. Stenborg. No. 1,103,849; July 14; Gaz. vol. 204; p. 612.
- Fire-escape. B. Süssis. No. 1,103,850; July 14; Gaz. vol. 204; p. 612.
- Fire-escape. S. Unger. No. 1,118,316; Nov. 24; Gaz. vol. 208; p. 1112.
- Fire-escape. J. F. Vickers. No. 1,110,169; Sept. 8; Gaz. vol. 206; p. 508.
- Fire-escape. J. N. Wiggs. No. 1,116,189; Nov. 3; Gaz. vol. 208; p. 246.
- Fire-escape. P. Wukstich. No. 1,106,608; Aug. 11; Gaz. vol. 205; p. 402.
- Fire-escape apparatus. T. O. Lofgren. No. 1,104,685; July 21; Gaz. vol. 204; p. 941.
- Fire-escape apparatus. J. Novak. No. 1,117,695; Nov. 17; Gaz. vol. 208; p. 858.
- Fire-escape ladder. S. S. Vaughan. No. 1,102,461; July 7; Gaz. vol. 204; p. 84.
- Fire-escape, Portable. W. F. Bailey. No. 1,122,566; Dec. 29; Gaz. vol. 209; p. 1431.
- Fire-escape, Portable. L. Dan. No. 1,085,097; Jan. 20; Gaz. vol. 198; p. 672.
- Fire-escape, Portable. J. A. Irby. No. 1,085,207; Jan. 27; Gaz. vol. 198; p. 746.
- Fire-escape, Portable. K. F. Olson. No. 1,113,369; Oct. 13; Gaz. vol. 207; p. 377.
- Fire-escapes, Automatic release for. E. A. Bone. No. 1,087,434; Feb. 17; Gaz. vol. 199; p. 742.
- Fire-extinguisher. T. Areson. No. 1,106,327; Aug. 4; Gaz. vol. 205; p. 255.
- Fire-extinguisher. P. B. Barunger. No. 1,085,006; Jan. 20; Gaz. vol. 198; p. 641.
- Fire-extinguisher. C. M. Bowman. No. 1,119,799; Dec. 8; Gaz. vol. 209; p. 345.
- Fire-extinguisher. D. Estes. No. 1,112,202; Sept. 29; Gaz. vol. 206; p. 1334.
- Fire-extinguisher. E. Flanagan. No. 1,087,752; Feb. 17; Gaz. vol. 199; p. 853.
- Fire-extinguisher. C. M. Jacobsen. No. 1,112,537; Oct. 6; Gaz. vol. 207; p. 45.
- Fire-extinguisher. F. Joswich. No. 1,084,639; Jan. 20; Gaz. vol. 198; p. 516.
- Fire-extinguisher. P. G. MacGregor. No. 1,099,657; June 9; Gaz. vol. 203; p. 485.
- Fire-extinguisher. R. L. Martin. No. 1,108,381; Aug. 25; Gaz. vol. 205; p. 1118.
- Fire-extinguisher. E. F. Meara. No. 1,099,306; June 9; Gaz. vol. 203; p. 363.
- Fire-extinguisher. H. R. Parker. No. 1,122,415; Dec. 29; Gaz. vol. 209; p. 1379.
- Fire-extinguisher. W. E. Putnam, Jr. No. 1,098,837; June 2; Gaz. vol. 203; p. 162.
- Fire-extinguisher. C. Snyder. No. 1,104,079; July 21; Gaz. vol. 204; p. 734.
- Fire-extinguisher, Automatic. H. Allard. No. 1,108,658; Aug. 25; Gaz. vol. 205; p. 1214.
- Fire-extinguisher, Automatic. J. L. Johnson. No. 1,120,312; Dec. 8; Gaz. vol. 209; p. 524.
- Fire-extinguisher, Automatic. G. W. Lorimer and A. G. Stouder. No. 1,100,836; June 23; Gaz. vol. 203; p. 980.
- Fire-extinguisher containers, Support for. H. L. Nelson. No. 1,088,444; Feb. 24; Gaz. vol. 199; p. 1136.
- Fire-extinguisher nozzle. H. W. Randall. No. 1,106,679; Aug. 11; Gaz. vol. 205; p. 426.
- Fire-extinguisher, Portable. J. W. Durkee. No. 1,105,263; July 28; Gaz. vol. 204; p. 1192.
- Fire extinguishers or appliances, Fusible device for automatic. A. J. Loepsinger. No. 1,117,411; Nov. 17; Gaz. vol. 208; p. 757.
- Fire-extinguishing apparatus. F. W. Hinkel. No. 1,097,435; May 19; Gaz. vol. 202; p. 854.

Alphabetical list of inventions—Continued.

- Fire-extinguishing apparatus. H. V. R. Read. No. 1,099,767; June 9; Gaz. vol. 203; p. 521.
- Fire-extinguishing apparatus. J. A. Steinmetz. No. 1,102,812; July 7; Gaz. vol. 204; p. 206.
- Fire-extinguishing compound. W. O. Snelling. No. 1,097,143; May 19; Gaz. vol. 202; p. 754.
- Fire-extinguishing compound. W. O. Snelling. No. 1,103,092; July 14; Gaz. vol. 204; p. 348.
- Fire-extinguishing compounds. J. W. Aylsworth. No. 1,085,784; Feb. 3; Gaz. vol. 199; p. 74.
- Fire-extinguishing device. J. H. and T. Fleming. No. 1,102,030; June 30; Gaz. vol. 203; p. 1448.
- Fire-extinguishing means. F. C. Simson. No. 1,087,989; Feb. 24; Gaz. vol. 199; p. 981.
- Fire-extinguishing system. H. L. Gray. No. 1,117,834; Nov. 17; Gaz. vol. 208; p. 907.
- Fire-extinguishing system. D. Powers and H. C. Shultz. No. 1,088,446; Feb. 24; Gaz. vol. 199; p. 1137.
- Fire-extinguishing systems. Dry pipe-valve for. A. C. Rowley. No. 1,108,106; Aug. 18; Gaz. vol. 205; p. 975.
- Fire-fighting apparatus. S. B. Willis. No. 1,094,285; Apr. 21; Gaz. vol. 201; p. 807.
- Fire-fighting system. H. T. Hall. No. 1,109,833; Sept. 8; Gaz. vol. 206; p. 385.
- Fire-governor. J. V. Robinson. No. 1,105,208; July 28; Gaz. vol. 204; p. 1171.
- Fire-guard. A. M. Ranney. No. 1,093,205; Apr. 14; Gaz. vol. 201; p. 407.
- Fire-hose rack. W. McClintock. No. 1,109,346; Sept. 1; Gaz. vol. 206; p. 174.
- Fire-hose reel. C. Ridley. No. 1,089,265; Mar. 3; Gaz. vol. 200; p. 202.
- Fire-hydrant. E. L. Delany. No. 1,089,400; Mar. 10; Gaz. vol. 200; p. 293.
- Fire-indicators. Circuits for automatic. O. Rennert. No. 1,090,412; Mar. 17; Gaz. vol. 200; p. 688.
- Fire-kindler. L. R. Phillips. No. 1,113,478; Oct. 13; Gaz. vol. 207; p. 416.
- Fire-kindler. A. Wittmann. No. 1,099,529; June 9; Gaz. vol. 203; p. 441.
- Fire or lighting appliance with pyrophoric metal. Pocket. F. Hofmann. No. 1,086,175; Feb. 3; Gaz. vol. 199; p. 211.
- Fire-plug. Non-freezing. C. F. Paulus. No. 1,105,040; July 28; Gaz. vol. 204; p. 1113.
- Fire-pot. C. F. Coda. No. 1,091,195; Mar. 24; Gaz. vol. 200; p. 988.
- Fire-protector for moving-picture-machine magazines. H. B. Cunningham. No. 1,090,287; Mar. 17; Gaz. vol. 200; p. 644.
- Fire-resisting cabinet. O. H. L. Wernicke. No. 1,096,479; May 12; Gaz. vol. 202; p. 481.
- Fire-resisting curtains. Mechanism for actuating trip-release devices for. W. P. Gibson and W. H. Ross. No. 1,088,694; Mar. 3; Gaz. vol. 200; p. 8.
- Fire-resisting shutter and slats therefor. Flexible. E. H. McCloud. No. 1,101,865; June 30; Gaz. vol. 203; p. 1387.
- Fire-resisting shutter or curtain. J. Volp. No. 1,095,152; Apr. 28; Gaz. vol. 201; p. 1169.
- Fire-shield. D. S. Watson. No. 1,100,003; June 16; Gaz. vol. 203; p. 640.
- Fire-shutter, Automatic. E. H. McCloud. No. 1,118,033; Nov. 24; Gaz. vol. 208; p. 1014.
- Fire-shutter, Automatic. A. Rush. No. 1,089,347; Mar. 3; Gaz. vol. 200; p. 228.
- Fire-shutters. Channel for. E. H. McCloud. No. 1,105,087; July 28; Gaz. vol. 204; p. 1131.
- Fire-starter. A. Binette and J. Petro. No. 1,120,366; Dec. 8; Gaz. vol. 209; p. 544.
- Fire-starter. G. T. Simmons. No. 1,106,007; Aug. 4; Gaz. vol. 205; p. 147.
- Fire-starting device, Automatic. J. A. Lighthipe. No. 1,083,749; Jan. 6; Gaz. vol. 198; p. 163.
- Fire telegraph system and apparatus therefor. E. A. Faller. No. 1,115,419; Oct. 27; Gaz. vol. 207; p. 1189.
- Fires, Extinguishing. E. Bartels. No. 1,115,887; Nov. 3; Gaz. vol. 208; p. 143.
- Fires, Extinguishing. R. Scheuffgen. No. 1,118,952; Dec. 1; Gaz. vol. 209; p. 16.
- Fires in oil-tanks, Extinguishing. J. B. and O. B. Erwin. No. 1,085,805; Feb. 3; Gaz. vol. 199; p. 81.
- Firearm. J. M. Browning. No. 1,083,384; Jan. 6; Gaz. vol. 198; p. 42.
- Firearm. M. L. Castle. No. 1,091,190; Mar. 24; Gaz. vol. 200; p. 986.
- Firearm. M. L. Castle. No. 1,100,054; June 16; Gaz. vol. 203; p. 658.
- Firearm. A. E. Grimes. No. 1,113,212; Oct. 13; Gaz. vol. 207; p. 320.
- Firearm. G. S. Lewis. No. 1,086,378; Feb. 10; Gaz. vol. 199; p. 324.
- Firearm. G. S. Lewis. No. 1,094,729; Apr. 28; Gaz. vol. 201; p. 1024.
- Firearm. C. A. Nelson. No. 1,085,698; Feb. 3; Gaz. vol. 199; p. 42.
- Firearm. C. A. Nelson. No. 1,100,765; June 23; Gaz. vol. 203; p. 955.
- Firearm. C. A. Nelson. No. 1,115,723; Nov. 3; Gaz. vol. 208; p. 88.
- Firearm. J. D. Pedersen. No. 1,087,680; Feb. 17; Gaz. vol. 199; p. 829.
- Firearm. E. S. Pomeroy. No. 1,122,635; Dec. 29; Gaz. vol. 209; p. 1457.
- Firearm. E. E. Redfield. No. 1,103,687; July 14; Gaz. vol. 204; p. 559.
- Firearm. E. E. Redfield. No. 1,111,234; Sept. 22; Gaz. vol. 206; p. 964.
- Firearm. A. J. Savage. No. 1,108,400; Aug. 25; Gaz. vol. 205; p. 1124.
- Firearm. J. Sikes. No. 1,089,086; Mar. 3; Gaz. vol. 200; p. 141.
- Firearm. J. C. White. No. 1,109,383; Sept. 1; Gaz. vol. 206; p. 188.
- Firearm. C. D. Wilson. No. 1,084,775; Jan. 20; Gaz. vol. 198; p. 564.
- Firearm, Automatic. C. H. Barnes. No. 1,089,621; Mar. 10; Gaz. vol. 200; p. 372.
- Firearm, Automatic. A. V. P. M. Berthier. No. 1,083,872; Jan. 6; Gaz. vol. 198; p. 199.
- Firearm, Automatic. J. H. Carl. No. 1,118,330; Nov. 24; Gaz. vol. 208; p. 1118.
- Firearm, Automatic. J. H. Carl. No. 1,118,331; Nov. 24; Gaz. vol. 208; p. 1118.
- Firearm, Automatic. M. Knötgen. No. 1,114,150; Oct. 20; Gaz. vol. 207; p. 689.
- Firearm, Automatic. P. Mauser. No. 1,091,857; Mar. 31; Gaz. vol. 200; p. 1257.
- Firearm, Automatic. P. Mauser. No. 1,107,815; Aug. 18; Gaz. vol. 205; p. 873.
- Firearm, Automatic. J. O. Winks. No. 1,104,947; July 28; Gaz. vol. 204; p. 1082.
- Firearm, Automatic hand-. A. Fyrberg. No. 1,105,416; July 28; Gaz. vol. 204; p. 1248.
- Firearm, Automatic-loading. H. Stamm. No. 1,096,324; May 12; Gaz. vol. 202; p. 429.
- Firearm, Automatic magazine-. E. D'Amore. No. 1,112,055; Sept. 29; Gaz. vol. 206; p. 1282.
- Firearm, Automatic magazine-. W. Trabue. No. 1,112,945; Oct. 6; Gaz. vol. 207; p. 185.
- Firearm, Automatic repeating. R. Fittipaldi. No. 1,099,245; June 9; Gaz. vol. 203; p. 343.
- Firearm, Hand-. M. and E. Navarro. No. 1,113,239; Oct. 13; Gaz. vol. 207; p. 331.
- Firearm, Repeating. A. C. McClure. No. 1,110,702; Sept. 15; Gaz. vol. 206; p. 736.
- Firearm, Repeating. C. G. Swebilus and H. T. R. Hanitz. No. 1,090,351; Mar. 17; Gaz. vol. 200; p. 665.
- Firearm, Repeating. C. G. Swebilus and H. T. R. Hanitz. No. 1,103,228; July 14; Gaz. vol. 204; p. 398.
- Firearm, Repeating. C. G. Swebilus and H. T. R. Hanitz. No. 1,105,467; July 28; Gaz. vol. 204; p. 1266.
- Firearm, Repeating. J. H. Wheeler. No. 1,089,736; Mar. 10; Gaz. vol. 200; p. 412.
- Firearm safety device. W. F. Neary. No. 1,098,048; May 26; Gaz. vol. 202; p. 1115.
- Firearm, Set-trigger. C. H. Farnsworth. No. 1,102,026; June 30; Gaz. vol. 203; p. 1447.
- Firearm, Shoulder-. T. C. Johnson. No. 1,122,125; Dec. 22; Gaz. vol. 209; p. 1242.
- Firearm-sight. C. A. Nelson. No. 1,113,470; Oct. 13; Gaz. vol. 207; p. 413.
- Firearm-sight. C. A. Nelson. No. 1,113,471; Oct. 13; Gaz. vol. 207; p. 414.
- Firearm-sight. F. W. H. Porter. No. 1,089,009; Mar. 3; Gaz. vol. 200; p. 115.
- Firearm-sight. R. L. Warner and A. O. Niedner. No. 1,083,966; Jan. 13; Gaz. vol. 198; p. 262.
- Firearm-support. G. Uhl. No. 1,112,732; Oct. 6; Gaz. vol. 207; p. 114.
- Firearm, Take-down. C. G. Swebilus and H. T. R. Hanitz. No. 1,083,708; Jan. 6; Gaz. vol. 198; p. 149.
- Firearm, Take-down. J. H. Wheeler and F. Manglier. No. 1,092,085; Mar. 31; Gaz. vol. 200; p. 1332.
- Firearm, Take-down repeating. C. G. Swebilus and H. T. R. Hanitz. No. 1,110,837; Sept. 15; Gaz. vol. 206; p. 782.
- Firearm with sliding barrel and a back-sight bar carrying the foresight, Automatic. K. Mau. No. 1,100,596; June 16; Gaz. vol. 203; p. 842.
- Firearms, Breech-action for. A. Müller-Deutschmann and D. Ströh. No. 1,089,780; Mar. 10; Gaz. vol. 200; p. 427.
- Firearms, Breech mechanism for automatic. A. D. Chronis. No. 1,096,679; May 12; Gaz. vol. 202; p. 547.
- Firearms, Fixing means for the sights of. K. A. Braüning. No. 1,101,163; June 23; Gaz. vol. 203; p. 1094.
- Firearms for shooting with blank cartridges. Device for automatic. P. Mauser. No. 1,092,157; Apr. 7; Gaz. vol. 201; p. 11.
- Firearms, Lamp attachment for. O. F. Villarejo. No. 1,120,769; Dec. 15; Gaz. vol. 209; p. 734.
- Firearms, Magazine for rapid. G. P. Howe. No. 1,119,756; Dec. 1; Gaz. vol. 209; p. 292.
- Firearms, Resilient ejector for. R. Frommer. No. 1,108,356; Aug. 25; Gaz. vol. 205; p. 1109.
- Firearms, Safety device for repeating. J. H. Wheeler. No. 1,088,950; Mar. 3; Gaz. vol. 200; p. 96.
- Firearms, Silencer construction for. W. E. Westfall. No. 1,111,202; Sept. 22; Gaz. vol. 206; p. 953.

Alphabetical list of inventions—Continued.

- Firearms, Sliding breech-block for recoil-operated. C. Röstel. No. 1,095,738; May 5; Gaz. vol. 202; p. 193.
- Firearms, Stake-mount for. I. N. Lewis. No. 1,107,805; Aug. 18; Gaz. vol. 205; p. 870.
- Firearms, Telescope-mounting for. E. P. Camus. No. 1,117,782; Nov. 17; Gaz. vol. 208; p. 889.
- Firearms, Toggle-breech mechanism for automatic. H. Borchardt. No. 1,090,515; Mar. 17; Gaz. vol. 200; p. 725.
- Firearms, Variable-range peep-sight for. J. W. Hill. No. 1,122,115; Dec. 22; Gaz. vol. 209; p. 1239.
- Fireplace. N. Johnston. No. 1,094,659; Apr. 28; Gaz. vol. 201; p. 998.
- Fireplace. L. T. B. Matthews. No. 1,101,303; June 23; Gaz. vol. 203; p. 1143.
- Fireplace. G. F. Tripp. No. 1,087,852; Feb. 17; Gaz. vol. 199; p. 886.
- Fireplace attachment. W. H. Slappey. No. 1,111,036; Sept. 22; Gaz. vol. 206; p. 895.
- Fireplace-dome. W. W. Guy. No. 1,105,651; Aug. 4; Gaz. vol. 205; p. 23.
- Fireplace-fender. A. Dixon. No. 1,102,328; July 7; Gaz. vol. 204; p. 38.
- Fireplace-heater. B. G. Barshow. No. 1,119,488; Dec. 1; Gaz. vol. 209; p. 203.
- Fireplace-hood. E. Nicholson. No. 1,118,146; Nov. 24; Gaz. vol. 208; p. 1053.
- Fireplaces, Pattern for stump-burning. J. W. Gibson. No. 1,113,774; Oct. 13; Gaz. vol. 207; p. 518.
- Fireproof arch. P. H. Bevier. No. 1,112,756; Oct. 6; Gaz. vol. 207; p. 123.
- Fireproof-building construction. G. B. Waite. No. 1,099,953; June 16; Gaz. vol. 203; p. 623.
- Fireproof cabinets, &c., Flexible roll-top or shutter for. L. V. Metzgar. No. 1,110,219; Sept. 8; Gaz. vol. 206; p. 524.
- Fireproof construction. C. A. P. Turner. No. 1,097,998; May 26; Gaz. vol. 202; p. 1097.
- Fireproof door. A. C. Goddard. No. 1,100,555; June 16; Gaz. vol. 203; p. 830.
- Fireproof electrically-conducting bodies and manufacturing the same. G. Egly. No. 1,084,199; Jan. 13; Gaz. vol. 198; p. 343.
- Fireproof floor. J. Kahn. No. 1,101,188; June 23; Gaz. vol. 203; p. 1103.
- Fireproof material. C. Hoss. No. 1,111,021; Sept. 22; Gaz. vol. 206; p. 890.
- Fireproof materials from quartz and the like, Producing. W. Boehm. No. 1,099,113; June 2; Gaz. vol. 203; p. 252.
- Fireproof partition. M. Dawson. No. 1,102,883; July 7; Gaz. vol. 204; p. 230.
- Fireproof safe. M. Mosler and C. Bartels. No. 1,118,435; Nov. 24; Gaz. vol. 208; p. 1156.
- Fireproof shutter or curtain. E. H. McCloud. No. 1,083,551; Jan. 6; Gaz. vol. 198; p. 97.
- Fireproof wall. T. H. Geraerdt. No. 1,107,779; Aug. 18; Gaz. vol. 205; p. 862.
- Fireproof-window stop. F. F. Smith. No. 1,112,335; Sept. 29; Gaz. vol. 206; p. 1380.
- Fireproofing materials, Composition for. W. C. Zeller. No. 1,116,349; Nov. 3; Gaz. vol. 208; p. 301.
- Fireworks. C. C. Pennell. No. 1,102,074; June 30; Gaz. vol. 203; p. 1463.
- Firing, Device for preventing back-. C. E. Fouts. No. 1,105,556; July 28; Gaz. vol. 204; p. 1295.
- Firing mechanism, Percussive. A. T. Dawson and G. T. Buckham. No. 1,105,627; Aug. 4; Gaz. vol. 205; p. 14.
- Fish-catching apparatus. A. Beyer. No. 1,122,466; Dec. 29; Gaz. vol. 209; p. 1397.
- Fish-cleaning machine. C. F. Mischler. No. 1,103,809; July 14; Gaz. vol. 204; p. 599.
- Fish-dam. J. F. and E. C. Schutt. No. 1,098,645; June 2; Gaz. vol. 203; p. 99.
- Fish-excluder. A. C. Stopp. No. 1,095,434; May 5; Gaz. vol. 202; p. 89.
- Fish-flake. F. Martin. No. 1,121,853; Dec. 22; Gaz. vol. 209; p. 1149.
- Fish-float. J. Vick. No. 1,115,752; Nov. 3; Gaz. vol. 208; p. 97.
- Fish-gaff. R. M. Bemis. No. 1,085,843; Feb. 3; Gaz. vol. 199; p. 94.
- Fish-grapple. W. A. B. Richardson. No. 1,110,234; Sept. 8; Gaz. vol. 206; p. 530.
- Fish-guard. F. Giesenhaus. No. 1,087,163; Feb. 17; Gaz. vol. 199; p. 646.
- Fish-guard. M. M. Gleeson. No. 1,100,870; June 23; Gaz. vol. 203; p. 992.
- Fish-guide. W. K. Blodgett. No. 1,095,697; May 5; Gaz. vol. 202; p. 179.
- Fish guide or leader. W. K. Blodgett. No. 1,095,698; May 5; Gaz. vol. 202; p. 179.
- Fish-hook. J. H. Clark. No. 1,100,055; June 16; Gaz. vol. 203; p. 658.
- Fish-hook. C. E. Cripe. No. 1,116,025; Nov. 3; Gaz. vol. 208; p. 191.
- Fish-hook. R. E. Ward. No. 1,120,870; Dec. 15; Gaz. vol. 209; p. 769.
- Fish-hook and sinker. W. E. Threm. No. 1,103,707; July 14; Gaz. vol. 204; p. 566.
- Fish-hooks, needles, and other articles, Manufacture of. L. A. Wharrad. No. 1,098,198; May 26; Gaz. vol. 202; p. 1165.
- Fish-hooks, Snell-fastening for. G. Kinsey. No. 1,093,000; Apr. 14; Gaz. vol. 201; p. 335.
- Fish-line bob. C. Bissett. No. 1,122,359; Dec. 29; Gaz. vol. 209; p. 1361.
- Fish-lure. J. M. Ness. No. 1,101,655; June 30; Gaz. vol. 203; p. 1315.
- Fish molds, Shaper for cuttle-. H. Orkin. No. 1,091,158; Mar. 24; Gaz. vol. 200; p. 976.
- Fish-pole tip. K. Meder. No. 1,116,721; Nov. 10; Gaz. vol. 208; p. 475.
- Fish rod and reel, Combined. L. J. Westness. No. 1,111,340; Sept. 22; Gaz. vol. 206; p. 999.
- Fish-screen. E. L. Dewald. No. 1,121,075; Dec. 15; Gaz. vol. 209; p. 841.
- Fish-screen. A. L. Ellison and J. G. Smith. No. 1,098,489; June 2; Gaz. vol. 203; p. 46.
- Fish screen or saver or trap. A. A. Caswell. No. 1,115,393; Oct. 27; Gaz. vol. 207; p. 1178.
- Fish-skinning machine. E. T. Rundlett. No. 1,094,597; Apr. 28; Gaz. vol. 201; p. 974.
- Fish-slimer. H. P. Lamoreaux. No. 1,116,082; Nov. 3; Gaz. vol. 208; p. 210.
- Fish-slimer. G. L. Palmer. No. 1,107,100; Aug. 11; Gaz. vol. 205; p. 570.
- Fish-stop mechanism. C. C. Roth. No. 1,097,266; May 19; Gaz. vol. 202; p. 797.
- Fish-trap. A. Hall. No. 1,088,222; Feb. 24; Gaz. vol. 199; p. 1062.
- Fish-trap. K. R. Jones. No. 1,119,357; Dec. 1; Gaz. vol. 209; p. 158.
- Fish-trap. C. Ross. No. 1,106,318; Aug. 4; Gaz. vol. 205; p. 253.
- Fishing-float. W. F. Anthony. No. 1,112,049; Sept. 29; Gaz. vol. 206; p. 1280.
- Fishing-pole support. A. B. Weber. No. 1,092,548; Apr. 7; Gaz. vol. 201; p. 146.
- Fishing-reel. C. P. Burt. No. 1,095,807; May 5; Gaz. vol. 202; p. 217.
- Fishing-reel. F. W. Castle. No. 1,115,282; Oct. 27; Gaz. vol. 207; p. 1142.
- Fishing-reel. P. Catucci. No. 1,095,624; May 5; Gaz. vol. 202; p. 154.
- Fishing-reel. F. Sinsinger. No. 1,087,694; Feb. 17; Gaz. vol. 199; p. 834.
- Fishing-reel. C. Stanley. No. 1,087,149; Feb. 17; Gaz. vol. 199; p. 641.
- Fishing-reel. H. S. Stebbins. No. 1,122,042; Dec. 22; Gaz. vol. 209; p. 1216.
- Fishing-reel, Automatic. P. Catucci. No. 1,101,726; June 30; Gaz. vol. 203; p. 1338.
- Fishing reel, Conduit-wire-. G. Fussell. No. 1,096,618; May 12; Gaz. vol. 202; p. 527.
- Fishing-rod. W. H. Tallett. No. 1,098,769; June 2; Gaz. vol. 203; p. 140.
- Fishing-rod. O. A. Turner. No. 1,113,847; Oct. 13; Gaz. vol. 207; p. 544.
- Fishing-rod handle and reel, Combined. T. W. B. Thomson. No. 1,119,474; Dec. 1; Gaz. vol. 209; p. 198.
- Fishing-rod support. T. R. L. Ebur. No. 1,091,491; Mar. 31; Gaz. vol. 200; p. 1129.
- Fishing-tackle. A. Viers and R. D. Scott. No. 1,110,246; Sept. 8; Gaz. vol. 206; p. 534.
- Fishing-tool. A. J. Snow, A. M. Kidd, and J. H. Whaley. No. 1,103,545; July 14; Gaz. vol. 204; p. 504.
- Fishing-tool, Electromagnetic. C. N. White. No. 1,094,106; Apr. 21; Gaz. vol. 201; p. 749.
- Fixture. H. A. Woodhead. No. 1,097,496; May 19; Gaz. vol. 202; p. 876.
- Fixture-hanger. W. S. Ferguson. No. 1,093,556; Apr. 14; Gaz. vol. 201; p. 520.
- Fixture-joint, Separable. A. D. Rizer. No. 1,102,079; June 30; Gaz. vol. 203; p. 1465.
- Fixture-support. A. C. McWilliams. No. 1,121,568; Dec. 15; Gaz. vol. 209; p. 1013.
- Fixture-supporting attachment. W. Lutz and A. E. Doe. No. 1,100,437; June 16; Gaz. vol. 203; p. 791.
- Flag and marker holder. A. N. Fleagle. No. 1,121,487; Dec. 15; Gaz. vol. 209; p. 984.
- Flag-clearer. H. M. Fillmore. No. 1,119,147; Dec. 1; Gaz. vol. 209; p. 86.
- Flagging device. R. C. Keene. No. 1,090,070; Mar. 10; Gaz. vol. 200; p. 527.
- Flagging-machine, Automatic emergency. L. L. Brown. No. 1,093,824; Apr. 21; Gaz. vol. 201; p. 655.
- Flagstaff. N. A. Jensen. No. 1,102,413; July 7; Gaz. vol. 204; p. 68.
- Flagstaff. F. H. Kinney. No. 1,121,510; Dec. 15; Gaz. vol. 209; p. 991.
- Flakes with sugar, Apparatus for coating. J. L. Kellogg. No. 1,083,685; Jan. 6; Gaz. vol. 198; p. 141.
- Flame-extinguishing material. J. W. Aylsworth. No. 1,085,783; Feb. 3; Gaz. vol. 199; p. 74.
- Flame on the surface of water, Producing. R. Fiedler. No. 1,087,112; Feb. 17; Gaz. vol. 199; p. 628.
- Flame-spreader. L. P. Christensen. No. 1,121,712; Dec. 22; Gaz. vol. 209; p. 1099.
- Flame-spreader. W. Swallow. No. 1,098,647; June 2; Gaz. vol. 203; p. 100.

Alphabetical list of inventions—Continued.

- Flange-lubricator. F. L. Gabris and C. H. Jeffery. No. 1,100,551; June 16; Gaz. vol. 203; p. 828.
- Flange-lubricator. J. H. Miner. No. 1,118,142; Nov. 24; Gaz. vol. 208; p. 1052.
- Flange-lubricator. J. H. Miner. No. 1,120,075; Dec. 8; Gaz. vol. 209; p. 440.
- Flange-lubricator. L. S. Pratt. No. 1,097,262; May 19; Gaz. vol. 202; p. 795.
- Flange-lubricator. D. Reid. No. 1,088,928; Mar. 3; Gaz. vol. 200; p. 88.
- Flange-straightening implement. R. Leonard. No. 1,118,871; Nov. 24; Gaz. vol. 208; p. 1305.
- Flash-generator, Combustion-injected. C. A. Ulrey. No. 1,093,896; Apr. 21; Gaz. vol. 201; p. 678.
- Flash-light. W. E. Compo. No. 1,110,110; Sept. 8; Gaz. vol. 206; p. 486.
- Flash-light apparatus. L. L. Shipley. No. 1,118,592; Nov. 24; Gaz. vol. 208; p. 1212.
- Flash-light, Catoptric. L. E. Côté. No. 1,101,683; June 30; Gaz. vol. 203; p. 1325.
- Flash-light, Electric. W. Broad. No. 1,097,910; May 26; Gaz. vol. 202; p. 1067.
- Flash-light, Pistol. J. Block. No. 1,098,085; May 26; Gaz. vol. 202; p. 1128.
- Flash-light, Pistol. J. Block. No. 1,118,467; Nov. 24; Gaz. vol. 208; p. 1168.
- Flash-light, Pistol. H. Hyman. No. 1,098,628; June 2; Gaz. vol. 203; p. 94.
- Flash-light, Revolver. J. B. Conde. No. 1,107,040; Aug. 11; Gaz. vol. 205; p. 549.
- Flash-light device. R. M. Eaton. No. 1,094,839; Apr. 28; Gaz. vol. 201; p. 1061.
- Flask: See Dental flask; Foundry-flask; Molder's flask; Molding-flask.
- Flask-rest. C. O. Wood. No. 1,117,295; Nov. 17; Gaz. vol. 208; p. 717.
- Flask with stilligoutte stopper. L. Verhaert. No. 1,098,998; June 2; Gaz. vol. 203; p. 217.
- Flasks, Means for filling moving. E. F. Thiemann. No. 1,084,049; Jan. 13; Gaz. vol. 198; p. 292.
- Flat-iron. F. Johnson. No. 1,092,839; Apr. 14; Gaz. vol. 201; p. 281.
- Flat-iron. E. C. McMeans. No. 1,099,264; June 9; Gaz. vol. 203; p. 349.
- Flat-iron and burner. B. R. Laraway and W. J. Handley. No. 1,099,183; June 9; Gaz. vol. 203; p. 321.
- Flat-iron cooler. H. Schwartz. No. 1,085,094; Jan. 20; Gaz. vol. 198; p. 670.
- Flat-iron, Electric. C. P. Madsen. No. 1,093,791; Apr. 21; Gaz. vol. 201; p. 643.
- Flat-iron, Electric. C. P. Madsen. No. 1,099,988; June 16; Gaz. vol. 203; p. 635.
- Flat-iron, Electric. F. E. Shailor. No. 1,102,300; July 7; Gaz. vol. 204; p. 27.
- Flat-iron, Electrically heated. M. I. Grimes. No. 1,083,534; Jan. 6; Gaz. vol. 198; p. 91.
- Flat-iron, Electrically heated. C. P. Madsen. No. 1,122,521; Dec. 29; Gaz. vol. 209; p. 1416.
- Flat-iron handle and stand. H. Greenwood, Sr. No. 1,108,747; Aug. 25; Gaz. vol. 205; p. 1244.
- Flat-iron heater for two irons, Double-burner. R. M. G. Phillips. No. 1,109,935; Sept. 8; Gaz. vol. 206; p. 423.
- Flat-iron heater, Gas-burning. R. M. G. Phillips. No. 1,109,937; Sept. 8; Gaz. vol. 206; p. 424.
- Flat-iron heater, Single-burner. R. M. G. Phillips. No. 1,109,936; Sept. 8; Gaz. vol. 206; p. 423.
- Flat-iron holder. M. A. Baird. No. 1,104,764; July 28; Gaz. vol. 204; p. 1018.
- Flat-iron stand, Electric. J. I. Ayer. No. 1,116,004; Nov. 3; Gaz. vol. 208; p. 184.
- Flat-ware blanks, Manufacture of. A. Wilzin. No. 1,091,415; Mar. 24; Gaz. vol. 200; p. 1058.
- Flats, Making hot-finished. F. H. Daniels. No. 1,108,144; Aug. 25; Gaz. vol. 205; p. 1035.
- Flax and other like fibers, Hackling-machine for. R. V. Eves. No. 1,083,928; Jan. 13; Gaz. vol. 198; p. 249.
- Flax and other long-staple fibers, Machinery for hackling and spreading. J. V. Eves and P. Shaw. No. 1,099,084; June 2; Gaz. vol. 203; p. 242.
- Flax and other long-staple fibers, Machine for hackling and spreading. J. V. Eves. No. 1,102,895; July 7; Gaz. vol. 204; p. 234.
- Flax-machine. K. Wessel. No. 1,085,310; Jan. 27; Gaz. vol. 198; p. 783.
- Flax or other fibrous materials, Scutching. W. J. Fernie and G. Michot. No. 1,095,495; May 5; Gaz. vol. 202; p. 111.
- Flax, Preparing. G. H. Campbell. No. 1,086,270; Feb. 3; Gaz. vol. 199; p. 242.
- Flax, Preparing. G. H. Campbell. No. 1,086,271; Feb. 3; Gaz. vol. 199; p. 242.
- Flax, Preparing. G. H. Campbell. No. 1,086,272; Feb. 3; Gaz. vol. 199; p. 242.
- Flax, Preparing. G. H. Campbell. No. 1,086,273; Feb. 3; Gaz. vol. 199; p. 242.
- Flax-puller. J. A. Lussier. No. 1,087,309; Feb. 17; Gaz. vol. 199; p. 698.
- Flexible coupling. H. L. Allen. No. 1,114,326; Oct. 20; Gaz. vol. 207; p. 753.
- Flexible coupling. J. G. Callan. No. 1,091,809; Mar. 31; Gaz. vol. 200; p. 1240.
- Flexible coupling. W. J. Francke. No. 1,115,299; Oct. 27; Gaz. vol. 207; p. 1148.
- Flexible coupling. F. N. Nutt. No. 1,089,859; Mar. 10; Gaz. vol. 200; p. 453.
- Flexible gate-fastening means. C. S. Whitworth. No. 1,119,134; Dec. 1; Gaz. vol. 209; p. 82.
- Flexible joint for coupling two transmission-shafts. A. C. Krebs. No. 1,107,315; Aug. 18; Gaz. vol. 205; p. 695.
- Flexible knife for the extraction of essential oils and removal of peeling from any spherical fruit. A. W. Giampietro. No. 1,116,881; Nov. 10; Gaz. vol. 208; p. 532.
- Flexible mat. T. C. McPherson. No. 1,083,628; Jan. 6; Gaz. vol. 198; p. 123.
- Flexible pipe-coupling. A. G. Elvin and F. W. Martin. No. 1,119,501; Dec. 1; Gaz. vol. 209; p. 208.
- Flexible shafting. W. F. Butler. No. 1,119,572; Dec. 1; Gaz. vol. 209; p. 232.
- Flexible stay-bolt. B. E. D. Stafford. No. 1,119,651; Dec. 1; Gaz. vol. 209; p. 258.
- Flexible stay-bolt. B. E. D. Stafford. No. 1,119,652; Dec. 1; Gaz. vol. 209; p. 259.
- Flexible stay-bolt. B. E. D. Stafford. No. 1,119,653; Dec. 1; Gaz. vol. 209; p. 259.
- Flexible stay-bolt. B. E. D. Stafford. No. 1,119,654; Dec. 1; Gaz. vol. 209; p. 259.
- Flexible stay-bolt. B. E. D. Stafford. No. 1,119,655; Dec. 1; Gaz. vol. 209; p. 260.
- Flexible stay-bolt. B. E. D. Stafford. No. 1,119,656; Dec. 1; Gaz. vol. 209; p. 260.
- Flier. W. Batten. No. 1,117,632; Nov. 17; Gaz. vol. 208; p. 835.
- Fliers, Presser for. C. T. Burlin. No. 1,103,654; July 14; Gaz. vol. 204; p. 547.
- Flies from buildings, Means for excluding. C. B. Gillespie. No. 1,095,499; May 5; Gaz. vol. 202; p. 112.
- Fly and insect catcher, Sanitary. B. C. Hamilton. No. 1,085,205; Jan. 27; Gaz. vol. 198; p. 745.
- Fly-catcher. B. O. Copenhagen. No. 1,099,342; June 9; Gaz. vol. 203; p. 378.
- Fly-catcher. E. S. Day. No. 1,118,845; Nov. 24; Gaz. vol. 208; p. 1296.
- Fly-catcher. I. H. Faulkner. No. 1,087,749; Feb. 17; Gaz. vol. 199; p. 852.
- Fly-catcher. G. Hellwig and M. Lagelbaner. No. 1,092,361; Apr. 7; Gaz. vol. 201; p. 82.
- Fly-catcher. K. Träger. No. 1,093,502; Apr. 14; Gaz. vol. 201; p. 504.
- Fly-catcher. J. A. V. Zielfeldt. No. 1,087,058; Feb. 10; Gaz. vol. 199; p. 557.
- Fly-killer. L. W. Karschner. No. 1,116,895; Nov. 10; Gaz. vol. 208; p. 537.
- Fly-killer. G. F. Miller. No. 1,118,508; Nov. 24; Gaz. vol. 208; p. 1182.
- Fly-killing device. C. P. Childress. No. 1,103,032; July 14; Gaz. vol. 204; p. 329.
- Fly-killing device. A. W. Hamaker. No. 1,084,008; Jan. 13; Gaz. vol. 198; p. 277.
- Fly-killing device. W. E. Heille. No. 1,111,579; Sept. 22; Gaz. vol. 206; p. 1082.
- Fly-paper, Composition of matter for making. G. Knoepfer. No. 1,084,091; Jan. 13; Gaz. vol. 198; p. 306.
- Fly-paper device, Sticky. G. J. Wagner and M. H. Hopkins. No. 1,117,284; Nov. 17; Gaz. vol. 208; p. 712.
- Fly-paper holder. W. J. Bendall. No. 1,097,838; May 26; Gaz. vol. 202; p. 1039.
- Fly-paper holder. W. M. Caldwell. No. 1,087,921; Feb. 24; Gaz. vol. 199; p. 955.
- Fly-paper holder. A. Colombot. No. 1,114,861; Oct. 27; Gaz. vol. 207; p. 994.
- Fly-paper holder. G. Errico. No. 1,103,950; July 21; Gaz. vol. 204; p. 690.
- Fly-paper holder. G. Gaertner. No. 1,109,571; Sept. 1; Gaz. vol. 206; p. 249.
- Fly-paper holder. P. P. McMenamin. No. 1,099,461; June 9; Gaz. vol. 203; p. 418.
- Fly-paper holder. P. J. Peck. No. 1,084,475; Jan. 13; Gaz. vol. 198; p. 431.
- Fly-paper holder. B. Yokoyama. No. 1,089,520; Mar. 10; Gaz. vol. 200; p. 339.
- Fly-screen. A. MacAllister. No. 1,119,294; Dec. 1; Gaz. vol. 209; p. 135.
- Fly-screen. W. Stolley. No. 1,106,010; Aug. 4; Gaz. vol. 205; p. 148.
- Fly-screen, Metal. E. T. Burrowes. No. 1,120,684; Dec. 15; Gaz. vol. 209; p. 704.
- Fly-screen, Metal. E. T. Burrowes. No. 1,120,685; Dec. 15; Gaz. vol. 209; p. 705.
- Fly-screen, Metal. E. T. Burrowes. No. 1,120,686; Dec. 15; Gaz. vol. 209; p. 705.
- Fly-screen, Metal. E. T. Burrowes. No. 1,120,687; Dec. 15; Gaz. vol. 209; p. 705.
- Fly-screen, Metal. G. H. Davis. No. 1,120,695; Dec. 15; Gaz. vol. 209; p. 708.
- Fly-shield. T. G. and R. H. Raveling. No. 1,110,232; Sept. 8; Gaz. vol. 206; p. 529.
- Fly-sticks, Sheet-holddown attachment for. R. L. Ward. No. 1,115,629; Nov. 3; Gaz. vol. 208; p. 55.
- Fly-tape, Sticky. T. E. Anderson. No. 1,099,156; June 9; Gaz. vol. 203; p. 312.

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- Fly-trap. N. H. Baker. No. 1,120,119; Dec. 8; Gaz. vol. 209; p. 455.
- Fly-trap. W. Beebe. No. 1,093,599; Apr. 21; Gaz. vol. 201; p. 578.
- Fly-trap. B. K. Boyd. No. 1,096,889; May 19; Gaz. vol. 202; p. 663.
- Fly-trap. T. E. Brown. No. 1,102,642; July 7; Gaz. vol. 204; p. 149.
- Fly-trap. J. K. Bue. No. 1,087,869; Feb. 17; Gaz. vol. 199; p. 891.
- Fly-trap. M. D. Campbell. No. 1,103,656; July 14; Gaz. vol. 204; p. 548.
- Fly-trap. J. M. Cooley. No. 1,102,141; June 30; Gaz. vol. 203; p. 1486.
- Fly-trap. J. A. Cruttenden. No. 1,108,711; Aug. 25; Gaz. vol. 205; p. 1232.
- Fly-trap. E. E. Cullen. No. 1,089,399; Mar. 10; Gaz. vol. 200; p. 293.
- Fly-trap. C. H. Curtis. No. 1,092,697; Apr. 7; Gaz. vol. 201; p. 197.
- Fly-trap. M. R. Daniels. No. 1,098,019; May 26; Gaz. vol. 202; p. 1105.
- Fly-trap. J. P. Davis. No. 1,096,355; May 12; Gaz. vol. 202; p. 440.
- Fly-trap. F. H. Gordon. No. 1,112,064; Sept. 29; Gaz. vol. 206; p. 1285.
- Fly-trap. E. J. Gould. No. 1,103,578; July 14; Gaz. vol. 204; p. 518.
- Fly-trap. G. L. Jontz. No. 1,094,336; Apr. 21; Gaz. vol. 201; p. 822.
- Fly-trap. W. D. King. No. 1,095,886; May 5; Gaz. vol. 202; p. 242.
- Fly-trap. A. G. Klett. No. 1,112,538; Oct. 6; Gaz. vol. 207; p. 45.
- Fly-trap. E. H. Krauth and E. Hamblin, Jr. No. 1,119,434; Dec. 1; Gaz. vol. 209; p. 184.
- Fly-trap. N. Libison. No. 1,084,647; Jan. 20; Gaz. vol. 198; p. 518.
- Fly-trap. J. E. Loudon. No. 1,084,020; Jan. 13; Gaz. vol. 198; p. 282.
- Fly-trap. S. McKittrick. No. 1,087,964; Feb. 24; Gaz. vol. 199; p. 972.
- Fly-trap. E. Mielke. No. 1,107,091; Aug. 11; Gaz. vol. 205; p. 567.
- Fly-trap. C. G. Overmyer. No. 1,085,388; Jan. 27; Gaz. vol. 198; p. 810.
- Fly-trap. A. Raifsnider. No. 1,092,537; Apr. 7; Gaz. vol. 201; p. 142.
- Fly-trap. L. P. Richman. No. 1,085,701; Feb. 3; Gaz. vol. 199; p. 43.
- Fly-trap. C. F. Terhune. No. 1,091,717; Mar. 31; Gaz. vol. 200; p. 1206.
- Fly-trap. C. W. Von Dorn. No. 1,089,513; Mar. 10; Gaz. vol. 200; p. 336.
- Fly-trap. G. O. Walters. No. 1,091,550; Mar. 31; Gaz. vol. 200; p. 1149.
- Fly-wheel. H. L. Bock. No. 1,093,246; Apr. 14; Gaz. vol. 201; p. 420.
- Fly-wheel. N. J. Rothsten. No. 1,103,843; July 14; Gaz. vol. 204; p. 610.
- Flying dart. H. E. Le Roy. No. 1,115,078; Oct. 27; Gaz. vol. 207; p. 1072.
- Flying-machine. W. P. Anderson. No. 1,092,000; Mar. 31; Gaz. vol. 200; p. 1304.
- Flying-machine. B. F. Beaver. No. 1,117,155; Nov. 17; Gaz. vol. 208; p. 665.
- Flying-machine. G. C. Beidler. No. 1,099,146; June 2; Gaz. vol. 203; p. 264.
- Flying-machine. J. H. Benscoter. No. 1,113,741; Oct. 13; Gaz. vol. 207; p. 507.
- Flying-machine. C. A. Chayne. No. 1,095,080; Apr. 28; Gaz. vol. 201; p. 1143.
- Flying-machine. H. M. Chiron. No. 1,106,626; Aug. 11; Gaz. vol. 205; p. 409.
- Flying-machine. W. W. Christmas. No. 1,095,548; May 5; Gaz. vol. 202; p. 129.
- Flying-machine. G. H. Curtiss. No. 1,104,036; July 21; Gaz. vol. 204; p. 717.
- Flying-machine. G. H. Curtiss. No. 1,108,490; Aug. 25; Gaz. vol. 205; p. 1156.
- Flying-machine. E. R. Davis. No. 1,113,881; Oct. 13; Gaz. vol. 207; p. 556.
- Flying-machine. H. Dennis. No. 1,114,868; Oct. 27; Gaz. vol. 207; p. 996.
- Flying-machine. C. Dienstbach. No. 1,104,039; July 21; Gaz. vol. 204; p. 718.
- Flying-machine. A. Domaradzki. No. 1,098,024; May 26; Gaz. vol. 202; p. 1106.
- Flying-machine. L. H. Dyer. No. 1,108,891; Sept. 1; Gaz. vol. 206; p. 10.
- Flying-machine. M. D. Ferrin. No. 1,107,921; Aug. 18; Gaz. vol. 205; p. 908.
- Flying-machine. E. E. Furney. No. 1,090,609; Mar. 17; Gaz. vol. 200; p. 758.
- Flying-machine. B. C. H. Greaves. No. 1,085,034; Jan. 20; Gaz. vol. 198; p. 651.
- Flying-machine. C. Hartmann. No. 1,104,114; July 21; Gaz. vol. 204; p. 744.
- Flying-machine. A. L. Henson. No. 1,104,045; July 21; Gaz. vol. 204; p. 721.
- Flying-machine. H. Hirth. No. 1,094,898; Apr. 28; Gaz. vol. 201; p. 1081.
- Flying-machine. W. A. Hutson. No. 1,087,946; Feb. 24; Gaz. vol. 199; p. 965.
- Flying-machine. C. F. Jenkins. No. 1,085,263; Jan. 27; Gaz. vol. 198; p. 767.
- Flying-machine. C. T. Jones. No. 1,090,068; Mar. 10; Gaz. vol. 200; p. 526.
- Flying-machine. H. Junkers. No. 1,114,364; Oct. 20; Gaz. vol. 207; p. 765.
- Flying-machine. F. J. Keppler. No. 1,119,170; Dec. 1; Gaz. vol. 209; p. 94.
- Flying-machine. J. G. A. Kitchen and I. H. Storey. No. 1,101,510; June 23; Gaz. vol. 203; p. 1215.
- Flying-machine. V. A. Lamare. No. 1,093,788; Apr. 21; Gaz. vol. 201; p. 642.
- Flying-machine. H. O. Lawrence. No. 1,084,552; Jan. 13; Gaz. vol. 198; p. 457.
- Flying-machine. L. Marschall. No. 1,117,585; Nov. 17; Gaz. vol. 208; p. 817.
- Flying-machine. L. Maurer. No. 1,119,710; Dec. 1; Gaz. vol. 209; p. 278.
- Flying-machine. J. E. McWorter. No. 1,114,167; Oct. 20; Gaz. vol. 207; p. 696.
- Flying-machine. G. Mees. No. 1,096,045; May 12; Gaz. vol. 202; p. 333.
- Flying-machine. R. M. Metcalf. No. 1,086,199; Feb. 3; Gaz. vol. 199; p. 219.
- Flying-machine. M. Morris. No. 1,115,959; Nov. 3; Gaz. vol. 208; p. 168.
- Flying-machine. W. B. Oliver. No. 1,096,263; May 12; Gaz. vol. 202; p. 408.
- Flying-machine. H. J. Oster and H. J. Kessels. No. 1,119,632; Dec. 1; Gaz. vol. 209; p. 252.
- Flying-machine. J. R. Polizzi. No. 1,117,901; Nov. 17; Gaz. vol. 208; p. 929.
- Flying-machine. J. Schroeder. No. 1,106,061; Aug. 4; Gaz. vol. 205; p. 166.
- Flying-machine. J. T. Simpson. No. 1,098,130; May 26; Gaz. vol. 202; p. 1142.
- Flying-machine. D. Smith. No. 1,114,401; Oct. 20; Gaz. vol. 207; p. 779.
- Flying-machine. R. M. Smith. No. 1,118,375; Nov. 24; Gaz. vol. 208; p. 1134.
- Flying-machine. R. M. Smith. No. 1,118,881; Nov. 24; Gaz. vol. 208; p. 1308.
- Flying-machine. F. E. Summers. No. 1,114,201; Oct. 20; Gaz. vol. 207; p. 709.
- Flying-machine. J. Szuth. No. 1,110,727; Sept. 15; Gaz. vol. 206; p. 745.
- Flying-machine. J. F. Tiner. No. 1,105,941; Aug. 4; Gaz. vol. 205; p. 124.
- Flying-machine. S. B. Voss. No. 1,097,489; May 19; Gaz. vol. 202; p. 873.
- Flying-machine. E. Wachtel. No. 1,115,041; Oct. 27; Gaz. vol. 207; p. 1058.
- Flying-machine. J. L. Walker. No. 1,111,627; Sept. 22; Gaz. vol. 206; p. 1098.
- Flying-machine. C. W. Waller. No. 1,083,714; Jan. 6; Gaz. vol. 198; p. 151.
- Flying-machine. R. N. Whitcomb. No. 1,109,889; Sept. 8; Gaz. vol. 206; p. 406.
- Flying-machine. J. W. Wilson. No. 1,091,555; Mar. 31; Gaz. vol. 200; p. 1151.
- Flying-machine. O. and W. Wright. No. 1,122,348; Dec. 29; Gaz. vol. 209; p. 1357.
- Flying-machine. L. G. Young. No. 1,109,891; Sept. 8; Gaz. vol. 206; p. 406.
- Flying-machine. L. G. Young. No. 1,109,892; Sept. 8; Gaz. vol. 206; p. 407.
- Flying-machine. L. G. Young. No. 1,109,893; Sept. 8; Gaz. vol. 206; p. 407.
- Flying-machine. A. F. Zahm. No. 1,107,231; Aug. 11; Gaz. vol. 205; p. 618.
- Flying-machine-stabilizing device. A. Sprater. No. 1,087,993; Feb. 24; Gaz. vol. 199; p. 982.
- Flying-machine-stabilizing device. A. Sprater. No. 1,119,324; Dec. 1; Gaz. vol. 209; p. 146.
- Flying-machines, Automatic balancing device for. A. G. Matteson. No. 1,084,023; Jan. 13; Gaz. vol. 198; p. 283.
- Flying-machines, Automatic balancing device for. A. G. Matteson. No. 1,084,024; Jan. 13; Gaz. vol. 198; p. 284.
- Flying-machines, &c., Controlling mechanism for. G. H. Curtiss. No. 1,085,575; Jan. 27; Gaz. vol. 198; p. 370.
- Flying-machines, Course and speed indicating device for. R. M. Thompson. No. 1,121,309; Dec. 15; Gaz. vol. 209; p. 922.
- Flying-machines, Lifting-surface for. C. H. Burleigh. No. 1,084,068; Jan. 13; Gaz. vol. 198; p. 298.
- Float. J. B. Hill. No. 1,093,414; Apr. 14; Gaz. vol. 201; p. 477.
- Float. J. W. Lytton. No. 1,120,070; Dec. 8; Gaz. vol. 209; p. 438.
- Float apparatus, Rotatable. M. Pearson. No. 1,104,825; July 28; Gaz. vol. 204; p. 1040.
- Float for linters. G. L. Blanchard. No. 1,122,360; Dec. 29; Gaz. vol. 209; p. 1361.
- Flood-gate. T. L. Tate. No. 1,111,723; Sept. 22; Gaz. vol. 206; p. 1133.

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- Flood-gate. G. A. Vance. No. 1,116,516; Nov. 10; Gaz. vol. 208; p. 401.
- Floor. L. L. Wright. No. 1,094,183; Apr. 21; Gaz. vol. 201; p. 775.
- Floor abrading and polishing machine. P. Keneder. No. 1,121,373; Dec. 15; Gaz. vol. 209; p. 944.
- Floor and ceiling construction. C. Reier. No. 1,109,785; Sept. 8; Gaz. vol. 206; p. 368.
- Floor and sidewalk gratings, Means for fastening. N. Berson. No. 1,105,873; Aug. 4; Gaz. vol. 205; p. 101.
- Floor and sidewalk gratings, Means for fastening. W. E. Irving. No. 1,105,791; Aug. 4; Gaz. vol. 205; p. 71.
- Floor-board antirattling device. E. R. Mitchell. No. 1,114,503; Oct. 20; Gaz. vol. 207; p. 818.
- Floor-clamping device. I. Lauri. No. 1,094,449; Apr. 28; Gaz. vol. 201; p. 923.
- Floor-cleaner. J. E. Gee. No. 1,112,693; Oct. 6; Gaz. vol. 207; p. 101.
- Floor connection. T. E. Crosby. No. 1,090,517; Mar. 17; Gaz. vol. 200; p. 726.
- Floor connection. T. E. Crosby. No. 1,112,360; Sept. 29; Gaz. vol. 206; p. 1388.
- Floor connection. H. W. Thorndike. No. 1,107,209; Aug. 11; Gaz. vol. 205; p. 610.
- Floor construction. E. A. Hart and R. H. Wallace. No. 1,116,421; Nov. 10; Gaz. vol. 208; p. 366.
- Floor construction, Hollow, concrete. M. Kühne. No. 1,119,435; Dec. 1; Gaz. vol. 209; p. 185.
- Floor-drain. D. W. Guiles. No. 1,117,036; Nov. 10; Gaz. vol. 208; p. 586.
- Floor-fastening. D. Koeffe. No. 1,117,397; Nov. 17; Gaz. vol. 208; p. 753.
- Floor-jack. A. Kraemer. No. 1,086,374; Feb. 10; Gaz. vol. 199; p. 323.
- Floor-jack. F. X. Manning. No. 1,105,446; July 28; Gaz. vol. 204; p. 1258.
- Floor-joists, Metal bridging for. F. H. Ream. No. 1,106,844; Aug. 11; Gaz. vol. 205; p. 484.
- Floor-joists, Metal bridging for. F. H. Ream. No. 1,106,845; Aug. 11; Gaz. vol. 205; p. 484.
- Floor-polisher. E. G. Mansfield. No. 1,114,163; Oct. 20; Gaz. vol. 207; p. 694.
- Floor-polishing apparatus. W. J. Bennett. No. 1,119,392; Dec. 1; Gaz. vol. 209; p. 171.
- Floor-polishing device. R. Lichter. No. 1,111,697; Sept. 22; Gaz. vol. 206; p. 1124.
- Floor-scraper. D. P. T. Douglass. No. 1,107,919; Aug. 18; Gaz. vol. 205; p. 908.
- Floor-scraper. F. J. Duncan. No. 1,115,517; Nov. 3; Gaz. vol. 208; p. 18.
- Floor, Self-leveling. C. W. Kinney. No. 1,101,451; June 23; Gaz. vol. 203; p. 1192.
- Floor structure. E. A. and G. H. Herzberg. No. 1,085,862; Feb. 3; Gaz. vol. 199; p. 101.
- Floor-surfacing machine. J. F. Bills. No. 1,112,253; Sept. 29; Gaz. vol. 206; p. 1352.
- Floor-tube. W. J. Sedelbauer. No. 1,100,263; June 16; Gaz. vol. 203; p. 731.
- Floor-washing device. G. T. Lewis. No. 1,103,786; July 14; Gaz. vol. 204; p. 591.
- Floors. Base for composition. J. H. Schlafly. No. 1,093,653; Apr. 21; Gaz. vol. 201; p. 597.
- Floors. Producing sheet-metal forms for. T. H. Kane. No. 1,085,431; Jan. 27; Gaz. vol. 198; p. 824.
- Flooring composition. E. Moritz. No. 1,097,986; May 26; Gaz. vol. 202; p. 1094.
- Flooring or paneling and making the same. Parquetry. F. X. Ganter. No. 1,102,036; June 30; Gaz. vol. 203; p. 1450.
- Flooring. Parquet. S. Unger. No. 1,115,039; Oct. 27; Gaz. vol. 207; p. 1057.
- Flooring. Sectional. J. Q. Smith and A. B. Hoover. No. 1,110,833; Sept. 15; Gaz. vol. 206; p. 781.
- Flour, Dry-shortening. A. W. Estabrook. No. 1,119,260; Dec. 1; Gaz. vol. 209; p. 124.
- Flour, Dry-shortening. A. W. Estabrook. No. 1,117,012; Nov. 10; Gaz. vol. 208; p. 578.
- Flour, Dry-shortening. A. W. Estabrook and H. E. Weaver. No. 1,105,638; Aug. 4; Gaz. vol. 205; p. 19.
- Flour, Making dry-shortening. A. W. Estabrook and H. E. Weaver. No. 1,117,011; Nov. 10; Gaz. vol. 208; p. 578.
- Flour, Maturing and bleaching. J. A. Wesener. No. 1,096,480; May 12; Gaz. vol. 202; p. 481.
- Flour, Refining. H. Buckley. No. 1,091,284; Mar. 24; Gaz. vol. 200; p. 1017.
- Flour-treating apparatus. J. A. Wesener. No. 1,099,225; June 9; Gaz. vol. 203; p. 336.
- Flow-indicator. J. F. Vaughan. No. 1,111,684; Sept. 22; Gaz. vol. 206; p. 1119.
- Flow-meter. A. R. Dodge. No. 1,096,894; May 19; Gaz. vol. 202; p. 665.
- Flow-meter. A. R. Dodge. No. 1,118,403; Nov. 24; Gaz. vol. 208; p. 1143.
- Flow-meter. L. A. Sheldon. No. 1,119,648; Dec. 1; Gaz. vol. 209; p. 257.
- Flow-meter. J. Wilkinson. No. 1,114,563; Oct. 20; Gaz. vol. 207; p. 837.
- Flow meter, Combination fluid-. J. Wilkinson. No. 1,121,961; Dec. 22; Gaz. vol. 209; p. 1186.
- Flow meter, Constant-. G. Scarfe. No. 1,109,149; Sept. 1; Gaz. vol. 206; p. 103.
- Flow meter, Fluid-. H. C. Alger. No. 1,096,883; May 19; Gaz. vol. 202; p. 661.
- Flow meter, Fluid-. H. H. Mapelsden. No. 1,104,433; July 21; Gaz. vol. 204; p. 853.
- Flow meter, Fluid-. L. A. Sheldon. No. 1,116,938; Nov. 10; Gaz. vol. 208; p. 552.
- Flows, Metering low-velocity fluid-. A. R. Dodge. No. 1,108,721; Aug. 25; Gaz. vol. 205; p. 1235.
- Flower-box. M. Eger. No. 1,084,414; Jan. 13; Gaz. vol. 198; p. 412.
- Flower-holder. I. Meurling. No. 1,096,180; May 12; Gaz. vol. 202; p. 378.
- Flower-pot. J. G. Benning. No. 1,117,474; Nov. 17; Gaz. vol. 208; p. 779.
- Flower-stand. J. M. Red. No. 1,112,558; Oct. 6; Gaz. vol. 207; p. 52.
- Flower-stand, Collapsible. W. J. Shaddock. No. 1,095,238; May 5; Gaz. vol. 202; p. 22.
- Flue-cleaner. A. M. Baird and G. E. Stolpe. No. 1,120,359; Dec. 8; Gaz. vol. 209; p. 541.
- Flue-cleaner. E. Norbo. No. 1,096,559; May 12; Gaz. vol. 202; p. 507.
- Flue-cleaner. G. F. Pierce. No. 1,088,794; Mar. 3; Gaz. vol. 200; p. 42.
- Flue-cleaner. E. H. Reiter. No. 1,112,322; Sept. 29; Gaz. vol. 206; p. 1375.
- Flue, Combination-. R. A. Carl. No. 1,085,889; Feb. 3; Gaz. vol. 199; p. 110.
- Flue-cutter. F. Dix. No. 1,089,463; Mar. 10; Gaz. vol. 200; p. 317.
- Flue-cutter. B. Henrikson. No. 1,108,171; Aug. 25; Gaz. vol. 205; p. 1044.
- Flue-cutter. G. R. Maupin. No. 1,084,097; Jan. 13; Gaz. vol. 198; p. 308.
- Flue dust or dirt and the like, Apparatus for removing. W. G. Hay. No. 1,115,193; Oct. 27; Gaz. vol. 207; p. 1112.
- Flue dust or dirt and the like, Apparatus for removing. W. G. Hay. No. 1,115,194; Oct. 27; Gaz. vol. 207; p. 1113.
- Flue-expander. E. E. Cullison. No. 1,114,865; Oct. 27; Gaz. vol. 207; p. 995.
- Flue-expander. F. W. Frank. No. 1,111,650; Sept. 22; Gaz. vol. 206; p. 1107.
- Flue-expander and beading-tool, Combination. E. E. Stillwell. No. 1,115,612; Nov. 3; Gaz. vol. 208; p. 49.
- Flue-scraper. H. S. B. Brindley. No. 1,116,982; Nov. 10; Gaz. vol. 208; p. 567.
- Flue-stop. L. B. Crout. No. 1,110,113; Sept. 8; Gaz. vol. 206; p. 488.
- Flue-stopper. T. H. Huston. No. 1,119,166; Dec. 1; Gaz. vol. 209; p. 93.
- Flue-thimble protector. V. Westerlund. No. 1,085,311; Jan. 27; Gaz. vol. 198; p. 783.
- Fluid-actuated alarm. G. R. W. Roberts and H. H. Seely. No. 1,083,299; Jan. 6; Gaz. vol. 198; p. 14.
- Fluid-agitating device. C. and C. Sieburg, Jr. No. 1,098,594; June 2; Gaz. vol. 203; p. 83.
- Fluid and the like, Means for removing particles of suspended matter from bodies of. W. W. Strong and A. F. Nesbit. No. 1,117,531; Nov. 17; Gaz. vol. 208; p. 799.
- Fluid-brake, Automatic. L. H. Albers. No. 1,084,779; Jan. 20; Gaz. vol. 198; p. 565.
- Fluid-compressor. W. V. Turner. No. 1,096,871; May 19; Gaz. vol. 202; p. 656.
- Fluid compressor, Elastic-. C. G. Curtis. No. 1,086,755; Feb. 10; Gaz. vol. 199; p. 456.
- Fluid-compressor regulator. F. V. D. Longacre. No. 1,099,457; June 9; Gaz. vol. 203; p. 416.
- Fluid-compressors, Controlling device for. C. Wainwright. No. 1,113,075; Oct. 6; Gaz. vol. 207; p. 229.
- Fluid-compressors, Unloader for. W. Prellwitz. No. 1,088,366; Feb. 24; Gaz. vol. 199; p. 1110.
- Fluid-controlling mechanism for cylinders. A. N. Metzelaar. No. 1,089,718; Mar. 10; Gaz. vol. 200; p. 405.
- Fluid-cooler. G. Viney. No. 1,086,425; Feb. 10; Gaz. vol. 199; p. 340.
- Fluid-discharging device. E. A. Bolen. No. 1,087,271; Feb. 17; Gaz. vol. 199; p. 685.
- Fluid-dispensing apparatus. E. C. Bennett. No. 1,085,789; Feb. 3; Gaz. vol. 199; p. 76.
- Fluid-dispensing apparatus. J. J. Catron. No. 1,103,939; July 21; Gaz. vol. 204; p. 685.
- Fluid-dispensing apparatus. W. T. Miller. No. 1,093,347; Apr. 14; Gaz. vol. 201; p. 455.
- Fluid-displacing motor. A. R. Silverston. No. 1,118,374; Nov. 24; Gaz. vol. 208; p. 1134.
- Fluid-distributing appliance. J. E. Doyle. No. 1,098,432; June 2; Gaz. vol. 203; p. 26.
- Fluid-distributing mechanism. M. G. Chandler. No. 1,121,976; Dec. 22; Gaz. vol. 209; p. 1192.
- Fluid-gage. L. A. Frame. No. 1,103,750; July 14; Gaz. vol. 204; p. 579.
- Fluid-gage. O. C. Ritz-Woller. No. 1,102,168; June 30; Gaz. vol. 203; p. 1495.
- Fluid-gage. G. H. Sargent. No. 1,087,466; Feb. 17; Gaz. vol. 199; p. 754.
- Fluid-gage. G. H. Sargent and F. G. Dunbar. No. 1,113,490; Oct. 13; Gaz. vol. 207; p. 421.

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- Fluid-gage. P. E. Tanner. No. 1,090,423; Mar. 17; Gaz. vol. 200; p. 692.
- Fluid-gage. P. E. Tanner. No. 1,090,424; Mar. 17; Gaz. vol. 200; p. 692.
- Fluid-gage. P. E. Tanner. No. 1,090,425; Mar. 17; Gaz. vol. 200; p. 692.
- Fluid-heater. G. A. Sims. No. 1,096,273; May 12; Gaz. vol. 202; p. 411.
- Fluid-lifting apparatus. P. J. O'Neill. No. 1,084,896; Jan. 20; Gaz. vol. 198; p. 604.
- Fluid-meter. H. C. Alger. No. 1,089,101; Mar. 3; Gaz. vol. 200; p. 146.
- Fluid-meter. A. R. Dodge. No. 1,087,932; Feb. 24; Gaz. vol. 199; p. 960.
- Fluid-meter. J. W. Ledoux. No. 1,083,689; Jan. 6; Gaz. vol. 198; p. 142.
- Fluid-meter. J. Wilkinson. No. 1,105,051; July 28; Gaz. vol. 204; p. 1117.
- Fluid meter, Elastic. A. R. Dodge. No. 1,087,930; Feb. 24; Gaz. vol. 199; p. 958.
- Fluid-meters, Pitot plug for. L. A. Sheldon. No. 1,087,988; Feb. 24; Gaz. vol. 199; p. 981.
- Fluid-meters, Pitot plug for. J. Wilkinson. No. 1,093,229; Apr. 14; Gaz. vol. 201; p. 415.
- Fluid mixer, Gaseous. P. M. Orlopp. No. 1,088,034; Feb. 24; Gaz. vol. 199; p. 997.
- Fluid mixing and regulating device. R. Moeller. No. 1,112,641; Oct. 6; Gaz. vol. 207; p. 82.
- Fluid-mixing device. T. W. Morse. No. 1,110,223; Sept. 8; Gaz. vol. 206; p. 526.
- Fluid-motor. A. Charland. No. 1,115,781; Nov. 3; Gaz. vol. 208; p. 105.
- Fluid-motor. J. M. Christoffel. No. 1,108,700; Aug. 25; Gaz. vol. 205; p. 1227.
- Fluid-motor. W. P. Espy. No. 1,113,155; Oct. 6; Gaz. vol. 207; p. 256.
- Fluid-motor. A. G. L. Neighbour. No. 1,100,605; June 16; Gaz. vol. 203; p. 846.
- Fluid-motor and retarding device therefor. J. F. McElroy. No. 1,118,297; Nov. 24; Gaz. vol. 208; p. 1105.
- Fluid-motor and retarding device therefor. J. F. McElroy. No. 1,120,833; Dec. 15; Gaz. vol. 209; p. 756.
- Fluid-motor or the like. L. H. Brinkman. No. 1,094,522; Apr. 28; Gaz. vol. 201; p. 948.
- Fluid-motor, Rotary. T. J. Loftus. No. 1,093,278; Apr. 14; Gaz. vol. 201; p. 431.
- Fluid-operated brake. G. E. Hattenstein and R. Z. Farmer. No. 1,116,819; Nov. 10; Gaz. vol. 208; p. 511.
- Fluid-operated drill and handle therefor. C. H. Peck. No. 1,105,998; Aug. 4; Gaz. vol. 205; p. 144.
- Fluid-pressure apparatus. W. G. Abbott, Jr. No. 1,102,222; June 30; Gaz. vol. 203; p. 1516.
- Fluid-pressure brake. F. L. Clark. No. 1,104,775; July 28; Gaz. vol. 204; p. 1022.
- Fluid-pressure brake. W. V. Turner. No. 1,085,771; Feb. 3; Gaz. vol. 199; p. 70.
- Fluid-pressure brake. W. V. Turner. No. 1,096,870; May 19; Gaz. vol. 202; p. 656.
- Fluid-pressure brake. W. V. Turner. No. 1,108,947; Sept. 1; Gaz. vol. 206; p. 31.
- Fluid-pressure brake. W. V. Turner. No. 1,108,949; Sept. 1; Gaz. vol. 206; p. 32.
- Fluid-pressure brake. W. V. Turner. No. 1,109,714; Sept. 8; Gaz. vol. 206; p. 345.
- Fluid-pressure brake. W. V. Turner. No. 1,109,715; Sept. 8; Gaz. vol. 206; p. 345.
- Fluid-pressure brake. W. V. Turner. No. 1,114,820; Oct. 27; Gaz. vol. 207; p. 979.
- Fluid-pressure brake. W. V. Turner. No. 1,114,822; Oct. 27; Gaz. vol. 207; p. 980.
- Fluid-pressure brake. W. V. Turner. No. 1,120,986; Dec. 15; Gaz. vol. 209; p. 809.
- Fluid-pressure brake system. W. H. Sauvage. No. 1,117,254; Nov. 17; Gaz. vol. 208; p. 701.
- Fluid-pressure-control device. L. F. Goodspeed. No. 1,115,662; Nov. 3; Gaz. vol. 208; p. 67.
- Fluid-pressure cylinder and piston. J. E. Powell. No. 1,095,926; May 5; Gaz. vol. 202; p. 255.
- Fluid-pressure device. G. Westinghouse. No. 1,089,517; Mar. 10; Gaz. vol. 200; p. 337.
- Fluid-pressure device. G. Westinghouse. No. 1,104,945; July 28; Gaz. vol. 204; p. 1081.
- Fluid-pressure drill. J. A. Heany. No. 1,084,009; Jan. 13; Gaz. vol. 198; p. 277.
- Fluid-pressure engine. J. Kellington. No. 1,087,240; Feb. 17; Gaz. vol. 199; p. 674.
- Fluid-pressure engine. W. W. Macfarren. No. 1,116,346; Nov. 3; Gaz. vol. 208; p. 300.
- Fluid-pressure engine. P. G. Tismir. No. 1,103,104; July 14; Gaz. vol. 204; p. 354.
- Fluid-pressure, Load-regulated governing device for. J. S. Doyle and F. Hedley. No. 1,096,493; May 12; Gaz. vol. 202; p. 485.
- Fluid-pressure motor. E. Guerin. No. 1,119,425; Dec. 1; Gaz. vol. 209; p. 181.
- Fluid-pressure motor. M. H. Roberts. No. 1,118,053; Nov. 24; Gaz. vol. 208; p. 1022.
- Fluid-pressure motor, Rotary. T. M. Hiester. No. 1,097,756; May 26; Gaz. vol. 202; p. 1010.
- Fluid-pressure-purifying system. G. M. Spencer. No. 1,100,688; June 16; Gaz. vol. 203; p. 873.
- Fluid-pressure-regulating mechanism. W. M. Austin. No. 1,103,020; July 14; Gaz. vol. 204; p. 325.
- Fluid-pressure regulator. L. S. Mansperger. No. 1,115,323; Oct. 27; Gaz. vol. 207; p. 1156.
- Fluid-pressure regulator. M. G. Reynolds. No. 1,098,172; May 26; Gaz. vol. 202; p. 1156.
- Fluid-purifying apparatus, Centrifugal. K. and A. Wård. No. 1,098,927; June 2; Gaz. vol. 203; p. 194.
- Fluid-regulator. J. E. Osmer. No. 1,110,294; Sept. 8; Gaz. vol. 206; p. 551.
- Fluid-separator. G. A. Orth and J. J. White. No. 1,086,931; Feb. 10; Gaz. vol. 199; p. 517.
- Fluid streams, Diverter for. G. J. Henry, Jr. No. 1,114,262; Oct. 20; Gaz. vol. 207; p. 731.
- Fluid substances, Desiccating. W. B. McLaughlin. No. 1,090,740; Mar. 17; Gaz. vol. 200; p. 798.
- Fluid-supply pressures, Method and apparatus for controlling. G. J. Henry, Jr. No. 1,117,671; Nov. 17; Gaz. vol. 208; p. 849.
- Fluid through pipes or for detecting leakage, Apparatus for indicating or measuring the rate of flow of. G. J. Gibbs. No. 1,098,247; May 26; Gaz. vol. 202; p. 1182.
- Fluid-tight closure. E. Behringer. No. 1,120,121; Dec. 8; Gaz. vol. 209; p. 456.
- Fluid to objects, Machine for applying. D. H. Talbert. No. 1,109,087; Sept. 1; Gaz. vol. 206; p. 82.
- Fluid-treating apparatus. H. T. Weston. No. 1,094,618; Apr. 28; Gaz. vol. 201; p. 982.
- Fluid-treating device. F. R. Monroe. No. 1,088,086; Feb. 24; Gaz. vol. 199; p. 1015.
- Fluids, Apparatus for indicating and recording the flow of. T. R. Weymouth. No. 1,085,184; Jan. 27; Gaz. vol. 198; p. 738.
- Fluids, Device for obtaining a constant mixture of two elastic. A. C. Ionides, Jr. No. 1,095,871; May 5; Gaz. vol. 202; p. 237.
- Fluids having different characteristics, Method and means for separating. C. S. Brown. No. 1,089,187; Mar. 3; Gaz. vol. 200; p. 179.
- Fluids with the emanations of radio-active material, Apparatus for activating. C. D. Haeusler. No. 1,098,623; June 2; Gaz. vol. 203; p. 92.
- Flume. A. M. Burch. No. 1,084,252; Jan. 13; Gaz. vol. 198; p. 361.
- Flume. P. T. Snyder. No. 1,102,810; July 7; Gaz. vol. 204; p. 206.
- Flume, Automatically-operated flood-water-releasing. E. W. Henry. No. 1,113,341; Oct. 13; Gaz. vol. 207; p. 367.
- Flume-cleaning apparatus. F. G. Stritzel. No. 1,110,408; Sept. 15; Gaz. vol. 206; p. 631.
- Flume construction. P. T. Snyder. No. 1,102,809; July 7; Gaz. vol. 204; p. 205.
- Flume, Metallic. A. T. Leavitt. No. 1,087,791; Feb. 17; Gaz. vol. 199; p. 866.
- Flume, Metallic. J. H. Schlafly. No. 1,087,325; Feb. 17; Gaz. vol. 199; p. 703.
- Flume, Metallic. J. H. Schlafly. No. 1,113,251; Oct. 13; Gaz. vol. 207; p. 335.
- Flume or conduit. H. S. Williams. No. 1,092,315; Apr. 7; Gaz. vol. 201; p. 67.
- Fluoroscopic apparatus. H. C. Snook and E. W. Kelly. No. 1,117,266; Nov. 17; Gaz. vol. 208; p. 706.
- Fluorspar, Purifying. E. Bidtel. No. 1,091,795; Mar. 31; Gaz. vol. 200; p. 1235.
- Flush bolt. A. A. Page. No. 1,116,617; Nov. 10; Gaz. vol. 208; p. 438.
- Flush-out. D. Gibbs. No. 1,120,925; Dec. 15; Gaz. vol. 209; p. 789.
- Flush plate, Box-supporting. F. R. Beugler. No. 1,113,092; Oct. 6; Gaz. vol. 207; p. 234.
- Flush-tank. K. S. Blanchard. No. 1,114,576; Oct. 20; Gaz. vol. 207; p. 841.
- Flush-tank. C. Carreyn. No. 1,102,870; July 7; Gaz. vol. 204; p. 226.
- Flush-tank. W. F. Drew. No. 1,115,791; Nov. 3; Gaz. vol. 208; p. 109.
- Flush-tank. H. S. Graybill. No. 1,112,789; Oct. 6; Gaz. vol. 207; p. 133.
- Flush-tank regulator, Automatic. V. J. Cornaggia. No. 1,119,137; Dec. 1; Gaz. vol. 209; p. 83.
- Flusher, Closet. C. A. Wulf. No. 1,083,974; Jan. 13; Gaz. vol. 198; p. 266.
- Flusher, Drain-pipe. D. J. Reese. No. 1,110,715; Sept. 15; Gaz. vol. 206; p. 741.
- Flusher or water-supply device, Foot-action. B. G. Wenker and J. F. Krause. No. 1,083,382; Jan. 6; Gaz. vol. 198; p. 41.
- Flushing apparatus. J. Denton. No. 1,109,971; Sept. 8; Gaz. vol. 206; p. 436.
- Flushing apparatus. E. W. Fordyce. No. 1,108,496; Aug. 25; Gaz. vol. 205; p. 1159.
- Flushing apparatus. J. J. Gleeson. No. 1,084,267; Jan. 13; Gaz. vol. 198; p. 365.
- Flushing apparatus. C. E. Loetzer. No. 1,116,901; Nov. 10; Gaz. vol. 208; p. 539.
- Flushing apparatus. P. J. Madden. No. 1,096,176; May 12; Gaz. vol. 202; p. 377.
- Flushing apparatus. P. J. Madden. No. 1,096,788; May 12; Gaz. vol. 202; p. 583.
- Flushing apparatus, Closet. W. S. Graham. No. 1,087,940; Feb. 24; Gaz. vol. 199; p. 963.

Alphabetical list of inventions—Continued.

- Flushing apparatus, Closet. W. Heap. No. 1,103,141; July 14; Gaz. vol. 204; p. 367.
- Flushing apparatus for submerged water-pipes. L. E. Smith. No. 1,085,502; Jan. 27; Gaz. vol. 198; p. 846.
- Flushing apparatus for toilet-bowls. J. V. Cuniff, R. E. Williams, and J. E. Healy. No. 1,110,044; Sept. 8; Gaz. vol. 206; p. 461.
- Flushing apparatus, Silent. W. T. Cowperthwaite. No. 1,104,292; July 21; Gaz. vol. 204; p. 805.
- Flushing device. C. W. Darrow. No. 1,084,846; Jan. 20; Gaz. vol. 198; p. 588.
- Flushing device. C. W. Darrow. No. 1,106,285; Aug. 4; Gaz. vol. 205; p. 241.
- Flushing device. C. W. Darrow. No. 1,106,286; Aug. 4; Gaz. vol. 205; p. 241.
- Flushing device. C. W. Darrow. No. 1,107,911; Aug. 18; Gaz. vol. 205; p. 904.
- Flushing device for closets, Pressure. W. A. Fraser. No. 1,099,032; June 2; Gaz. vol. 203; p. 227.
- Flushing device for water-closets. P. Haas. No. 1,111,745; Sept. 29; Gaz. vol. 206; p. 1174.
- Flushing device, Tank-. P. Haas. No. 1,111,744; Sept. 29; Gaz. vol. 206; p. 1173.
- Flushing device, Water-closet-. A. von Radich. No. 1,083,782; Jan. 6; Gaz. vol. 198; p. 172.
- Flushing mechanism. N. G. Goreau and E. M. Babst. No. 1,091,834; Mar. 31; Gaz. vol. 200; p. 1248.
- Flushing mechanism, Water-closet-. S. J. Stevens. No. 1,103,550; July 14; Gaz. vol. 204; p. 506.
- Flushing system. W. A. Fraser. No. 1,110,620; Sept. 15; Gaz. vol. 206; p. 707.
- Flushing-tank. W. A. Fraser. No. 1,110,432; Sept. 15; Gaz. vol. 206; p. 640.
- Flushing-tank. W. L. Heap. No. 1,106,380; Aug. 11; Gaz. vol. 205; p. 318.
- Flushing-valve for water-closets. C. H. Phillips. No. 1,102,543; July 7; Gaz. vol. 204; p. 112.
- Flushing valve, Water-closet-. F. G. Merewether. No. 1,120,836; Dec. 15; Gaz. vol. 209; p. 757.
- Flux for aluminum-solder. H. Hammar. No. 1,083,828; Jan. 6; Gaz. vol. 198; p. 187.
- Focusing device. J. T. Clarke. No. 1,089,111; Mar. 3; Gaz. vol. 200; p. 150.
- Focusing device. J. Freud. No. 1,121,178; Dec. 15; Gaz. vol. 209; p. 879.
- Fodder-cutter discharge-pipe. J. Dick. No. 1,100,959; June 23; Gaz. vol. 203; p. 1024.
- Fodder-loader. R. R. Rouan. No. 1,107,361; Aug. 18; Gaz. vol. 205; p. 712.
- Fodder-loading apparatus. W. F. Lawler. No. 1,103,326; July 14; Gaz. vol. 204; p. 431.
- Fodder-mealing machine. I. L. Edsall and E. T. Molzahn. No. 1,097,919; May 26; Gaz. vol. 202; p. 1070.
- Fodder-shredder. A. M. Dellinger and O. K. Landis. No. 1,117,345; Nov. 17; Gaz. vol. 208; p. 735.
- Fold-opening machine. P. F. Flagge. No. 1,117,991; Nov. 24; Gaz. vol. 208; p. 1000.
- Foldable box. A. Colombot. No. 1,114,860; Oct. 27; Gaz. vol. 207; p. 993.
- Foldable box. J. Nemeth. No. 1,089,580; Mar. 10; Gaz. vol. 200; p. 359.
- Foldable chair. L. M. Clouse. No. 1,091,634; Mar. 31; Gaz. vol. 200; p. 1178.
- Foldable table. W. W. Booraem. No. 1,101,992; June 30; Gaz. vol. 203; p. 1433.
- Folded-blank box. W. Wolfe. No. 1,110,853; Sept. 15; Gaz. vol. 206; p. 788.
- Folder and return-envelop. Combined. M. P. Levine. No. 1,089,486; Mar. 10; Gaz. vol. 200; p. 326.
- Folder, Goods-. R. P. Brown. No. 1,121,609; Dec. 22; Gaz. vol. 209; p. 1061.
- Folder or carton, Reinforced paper-board protective. F. Brock. No. 1,083,271; Jan. 6; Gaz. vol. 198; p. 4.
- Folding and gluing machine. E. G. Staude. No. 1,104,013; July 21; Gaz. vol. 204; p. 709.
- Folding and knockdown table. E. and W. Metcalf. No. 1,120,322; Dec. 8; Gaz. vol. 209; p. 528.
- Folding and reclining chair. F. J. Laskowski. No. 1,114,153; Oct. 20; Gaz. vol. 207; p. 690.
- Folding box. R. P. Brown. No. 1,085,106; Jan. 27; Gaz. vol. 198; p. 711.
- Folding box. W. Cortes. No. 1,097,539; May 19; Gaz. vol. 202; p. 889.
- Folding box. G. Dieckmann. No. 1,119,071; Dec. 1; Gaz. vol. 209; p. 61.
- Folding box. H. A. Flack. No. 1,112,442; Oct. 6; Gaz. vol. 207; p. 9.
- Folding box. A. Hess. No. 1,093,412; Apr. 14; Gaz. vol. 201; p. 477.
- Folding box. M. Koltonski. No. 1,113,654; Oct. 13; Gaz. vol. 207; p. 475.
- Folding box. R. E. Meyer. No. 1,114,789; Oct. 27; Gaz. vol. 207; p. 968.
- Folding box. J. R. Myers. No. 1,096,118; May 12; Gaz. vol. 202; p. 357.
- Folding box. N. J. Peterson. No. 1,097,260; May 19; Gaz. vol. 202; p. 794.
- Folding box. A. Pokorny. No. 1,111,673; Sept. 22; Gaz. vol. 206; p. 1115.
- Folding box. M. J. Reilly. No. 1,112,559; Oct. 6; Gaz. vol. 207; p. 52.
- Folding box. C. H. Seegmiller. No. 1,107,852; Aug. 18; Gaz. vol. 205; p. 886.
- Folding box. G. C. Welter. No. 1,094,764; Apr. 28; Gaz. vol. 201; p. 1036.
- Folding box. G. E. Woods. No. 1,114,567; Oct. 20; Gaz. vol. 207; p. 838.
- Folding box. J. H. Zell. No. 1,103,238; July 14; Gaz. vol. 204; p. 402.
- Folding box or crate. H. McTavish. No. 1,105,285; July 28; Gaz. vol. 204; p. 1198.
- Folding box or shipping-case. W. H. Doble and S. B. Field. No. 1,099,847; June 9; Gaz. vol. 203; p. 548.
- Folding carrier. C. H. Cronk. No. 1,085,670; Feb. 3; Gaz. vol. 199; p. 32.
- Folding case. H. Braen. No. 1,118,326; Nov. 24; Gaz. vol. 208; p. 1116.
- Folding chair. S. Adler. No. 1,116,197; Nov. 3; Gaz. vol. 208; p. 250.
- Folding chair. E. Atterby. No. 1,101,519; June 30; Gaz. vol. 203; p. 1268.
- Folding chair. C. C. Braden. No. 1,104,615; July 21; Gaz. vol. 204; p. 918.
- Folding chair. W. A. Clay. No. 1,118,530; Nov. 24; Gaz. vol. 208; p. 1189.
- Folding chair. F. C. Pierce. No. 1,084,898; Jan. 20; Gaz. vol. 198; p. 604.
- Folding chair. M. R. Van Dusen. No. 1,109,717; Sept. 8; Gaz. vol. 206; p. 346.
- Folding gate. I. E. Hall. No. 1,091,652; Mar. 31; Gaz. vol. 200; p. 1184.
- Folding gate. K. Tobias. No. 1,122,441; Dec. 29; Gaz. vol. 209; p. 1388.
- Folding-machine. C. N. Batt. No. 1,091,557; Mar. 31; Gaz. vol. 200; p. 1151.
- Folding-machine. J. G. Binder, Jr., and H. K. King. No. 1,084,246; Jan. 13; Gaz. vol. 198; p. 359.
- Folding-machine. Q. W. and I. E. Booth and L. W. G. Flynt. No. 1,095,699; May 5; Gaz. vol. 202; p. 180.
- Folding-machine. H. B. Cooley. No. 1,083,921; Jan. 13; Gaz. vol. 198; p. 246.
- Folding-machine. S. G. Grant. No. 1,116,415; Nov. 10; Gaz. vol. 208; p. 363.
- Folding-machine. W. F. Lautenschlager. No. 1,121,851; Dec. 22; Gaz. vol. 209; p. 1148.
- Folding-machine. W. F. Lautenschlager. No. 1,121,852; Dec. 22; Gaz. vol. 209; p. 1149.
- Folding-machine. L. Muther and F. S. Glines. No. 1,092,123; Mar. 31; Gaz. vol. 200; p. 1346.
- Folding-machine. C. P. Stanbon. No. 1,120,556; Dec. 8; Gaz. vol. 209; p. 611.
- Folding-machine blade. M. W. Bechtel. No. 1,101,612; June 30; Gaz. vol. 203; p. 1301.
- Folding mechanism, Rotary. L. A. Schmidt. No. 1,116,495; Nov. 10; Gaz. vol. 208; p. 393.
- Folding mechanism, Rotary. L. A. Schmidt. No. 1,118,060; Nov. 24; Gaz. vol. 208; p. 1024.
- Folding or camp chair. R. L. Notman. No. 1,113,573; Oct. 13; Gaz. vol. 207; p. 449.
- Folding or collapsible box. R. I. Rhodes. No. 1,096,460; May 12; Gaz. vol. 202; p. 474.
- Folding screen. E. W. Stockley. No. 1,118,069; Nov. 24; Gaz. vol. 208; p. 1027.
- Folding seat. A. Loomis. No. 1,110,503; Sept. 15; Gaz. vol. 206; p. 666.
- Folding seat. G. H. E. von Wranau. No. 1,106,693; Aug. 11; Gaz. vol. 205; p. 431.
- Folding stand. E. A. Lotz. No. 1,094,227; Apr. 21; Gaz. vol. 201; p. 789.
- Folding table. S. W. Baldwin. No. 1,091,272; Mar. 24; Gaz. vol. 200; p. 1014.
- Folding table. C. W. Coffin. No. 1,090,451; Mar. 17; Gaz. vol. 200; p. 703.
- Folding table. T. J. McKell. No. 1,086,778; Feb. 10; Gaz. vol. 199; p. 465.
- Folding table. N. C. Nielsen. No. 1,103,532; July 14; Gaz. vol. 204; p. 500.
- Folding table. H. A. Stone. No. 1,094,033; Apr. 21; Gaz. vol. 201; p. 724.
- Folding table. H. A. Stone. No. 1,104,083; July 21; Gaz. vol. 204; p. 735.
- Folding table. R. Zaweracz. No. 1,118,170; Nov. 24; Gaz. vol. 208; p. 1061.
- Food and producing the same, Article of. D. Brainin. No. 1,088,875; Mar. 3; Gaz. vol. 200; p. 69.
- Food articles, apparatus for treating. F. Garpheide. No. 1,115,806; Nov. 3; Gaz. vol. 208; p. 114.
- Food-chopper. L. A. Ingersoll. No. 1,097,325; May 19; Gaz. vol. 202; p. 817.
- Food-chopper. C. Schock. No. 1,088,458; Feb. 24; Gaz. vol. 199; p. 1141.
- Food composition for stock. A. D. Little. No. 1,092,221; Apr. 7; Gaz. vol. 201; p. 34.
- Food, Composition of matter to be used as a. C. Odegard. No. 1,111,917; Sept. 29; Gaz. vol. 206; p. 1238.
- Food, Composition of matter to be used for a. G. H. Mowe. No. 1,089,251; Mar. 3; Gaz. vol. 200; p. 198.
- Food compound. S. N. and H. N. Samaha. No. 1,102,607; July 7; Gaz. vol. 204; p. 136.
- Food-conveying system. R. F. Almirall and R. A. McCulloch. No. 1,095,692; May 5; Gaz. vol. 202; p. 177.

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- Food fats more particularly for the preparation of pastries and the like, Manufacture of. P. A. Schmitt. No. 1,102,551; July 7; Gaz. vol. 204; p. 115.
- Food for fish or animals, and a seasoning, Making a. T. Suzuki. No. 1,083,769; Jan. 6; Gaz. vol. 198; p. 169.
- Food for infants, invalids, and old persons. Preparing. M. F. Deming. No. 1,108,555; Aug. 25; Gaz. vol. 205; p. 1179.
- Food from whole grain, Manufacture of an easily-digestible. C. Mauterer. No. 1,086,382; Feb. 10; Gaz. vol. 199; p. 325.
- Food-handling apparatus. H. Trust. No. 1,114,070; Oct. 20; Gaz. vol. 207; p. 661.
- Food-mixer. M. M. Egan. No. 1,095,719; May 5; Gaz. vol. 202; p. 186.
- Food-pack, Hermetically-sealed. F. E. Ingersoll. No. 1,099,603; June 9; Gaz. vol. 203; p. 467.
- Food preparations or extracts, Manufacture of. E. Krause. No. 1,113,021; Oct. 6; Gaz. vol. 207; p. 211.
- Food, Preparing a stock. G. B. French. No. 1,105,415; July 28; Gaz. vol. 204; p. 1247.
- Food, Producing predigested. C. B. Duryea. No. 1,110,754; Sept. 15; Gaz. vol. 206; p. 753.
- Food product and preparing the same. W. H. Heine. No. 1,089,215; Mar. 3; Gaz. vol. 200; p. 187.
- Food product and producing the same. G. von Rigler. No. 1,118,317; Nov. 24; Gaz. vol. 208; p. 1112.
- Food product, Banana. J. O. Walsh and A. C. Austin. No. 1,090,255; Mar. 17; Gaz. vol. 200; p. 633.
- Food product, Medicated. I. D. Odle. No. 1,120,330; Dec. 8; Gaz. vol. 209; p. 531.
- Food product, Preparing a. J. O. Walsh and A. C. Austin. No. 1,090,256; Mar. 17; Gaz. vol. 200; p. 634.
- Food products, Apparatus for processing and preparing. A. L. Duncan. No. 1,085,852; Feb. 3; Gaz. vol. 199; p. 97.
- Food products, Composition for producing lactic. J. D. Frederiksen. No. 1,091,054; Mar. 24; Gaz. vol. 200; p. 939.
- Food products, Device for forming and baking. C. O. Brandell. No. 1,118,182; Nov. 24; Gaz. vol. 208; p. 1066.
- Food-receptacles, Sanitary cover for. P. J. Powers and L. L. Guibord. No. 1,113,827; Oct. 13; Gaz. vol. 207; p. 538.
- Food, Stock. W. T. Eldridge. No. 1,089,630; Mar. 10; Gaz. vol. 200; p. 376.
- Foods, Treating. E. B. Heller. No. 1,090,210; Mar. 17; Gaz. vol. 200; p. 617.
- Foot-arch. J. Wippler. No. 1,120,430; Dec. 8; Gaz. vol. 209; p. 566.
- Foot, Artificial. N. G. Enström. No. 1,119,258; Dec. 1; Gaz. vol. 209; p. 123.
- Foot-brace and arch-prop. N. M. Crews. No. 1,112,683; Oct. 6; Gaz. vol. 207; p. 98.
- Foot crookedness, Apparatus for correcting. O. Semeleder. No. 1,114,389; Oct. 20; Gaz. vol. 207; p. 774.
- Foot, Extension-. E. L. O'Connor. No. 1,112,468; Oct. 6; Gaz. vol. 207; p. 18.
- Foot-gear. L. T. Fiscus. No. 1,118,755; Nov. 24; Gaz. vol. 208; p. 1266.
- Foot-guard. H. F. Davis. No. 1,092,246; Apr. 7; Gaz. vol. 201; p. 42.
- Foot-ladder. Z. L. D. Hurd. No. 1,119,081; Dec. 1; Gaz. vol. 209; p. 64.
- Foot-operated elevator. R. Laborda. No. 1,091,935; Mar. 31; Gaz. vol. 200; p. 1283.
- Foot-operated elevator. R. Laborda. No. 1,104,199; July 21; Gaz. vol. 204; p. 774.
- Foot-operated elevator. R. Laborda. No. 1,110,499; Sept. 15; Gaz. vol. 206; p. 664.
- Foot-rest. C. C. Kusterer. No. 1,104,360; July 21; Gaz. vol. 204; p. 829.
- Foot-rest. G. L. Tufts. No. 1,113,719; Oct. 13; Gaz. vol. 207; p. 499.
- Foot-rest, Adjustable. F. A. Carr. No. 1,091,290; Mar. 24; Gaz. vol. 200; p. 1019.
- Foot-rest and heater, Combined. C. S. Pelton. No. 1,102,432; July 7; Gaz. vol. 204; p. 74.
- Foot-rest-clamping device. N. Stewart and A. B. Hollenbeck. No. 1,116,152; Nov. 3; Gaz. vol. 208; p. 235.
- Foot-rest, Flexible. J. O. Caldwell, Jr. No. 1,113,601; Oct. 13; Gaz. vol. 207; p. 458.
- Foot-stock support. C. H. Norton. No. 1,119,030; Dec. 1; Gaz. vol. 209; p. 47.
- Foot-warmer, Electrical. T. Plimley. No. 1,083,375; Jan. 6; Gaz. vol. 198; p. 38.
- Foot-warmer, Electrically-heated. F. Kuhn. No. 1,087,593; Feb. 17; Gaz. vol. 199; p. 797.
- Footstep-corrector. F. H. Russ. No. 1,118,058; Nov. 24; Gaz. vol. 208; p. 1023.
- Footwear. C. Remer. No. 1,089,791; Mar. 10; Gaz. vol. 200; p. 430.
- Footwear. C. Streb. No. 1,089,599; Mar. 10; Gaz. vol. 200; p. 365.
- Footwear. L. E. Wolff. No. 1,120,353; Dec. 8; Gaz. vol. 209; p. 539.
- Footwear-cleaner. B. E. Minkler. No. 1,117,883; Nov. 17; Gaz. vol. 208; p. 923.
- Footwear, Making. W. J. Kelly. No. 1,113,562; Oct. 13; Gaz. vol. 207; p. 445.
- Footwear, Manufacture of. C. De la Torriente. No. 1,087,220; Feb. 17; Gaz. vol. 199; p. 667.
- Footwear, Ventilated. C. Löffler. No. 1,086,925; Feb. 10; Gaz. vol. 199; p. 515.
- Force, Apparatus for utilizing an expansive. H. A. Humphrey. No. 1,084,341; Jan. 13; Gaz. vol. 198; p. 389.
- Force by means of magnetized rings, Device for transmitting. A. Huguenin. No. 1,084,148; Jan. 13; Gaz. vol. 198; p. 326.
- Force-feed lubricator. J. F. McCanna. No. 1,107,220; Aug. 11; Gaz. vol. 205; p. 614.
- Force, Utilizing an expansive. H. A. Humphrey. No. 1,084,340; Jan. 13; Gaz. vol. 198; p. 389.
- Force, Utilizing an expansive. H. A. Humphrey. No. 1,086,326; Feb. 3; Gaz. vol. 199; p. 258.
- Forcing-machine. E. E. Allen. No. 1,098,873; June 2; Gaz. vol. 203; p. 175.
- Forceps, Obstetrical. A. L. Townsend. No. 1,085,953; Feb. 3; Gaz. vol. 199; p. 134.
- Forceps, Pig-. W. B. Armstrong and B. Johnson. No. 1,090,010; Mar. 10; Gaz. vol. 200; p. 506.
- Forging. J. F. Rice. No. 1,101,813; June 30; Gaz. vol. 203; p. 1369.
- Forging apparatus, Crank-shaft-. A. L. Warner. No. 1,108,954; Sept. 1; Gaz. vol. 206; p. 34.
- Forging apparatus, Metal-. E. E. Slick. No. 1,114,396; Oct. 20; Gaz. vol. 207; p. 777.
- Forging, Car-part. W. D. Forsyth. No. 1,084,263; Jan. 13; Gaz. vol. 198; p. 364.
- Forging car-wheels and similar metal bodies, Method of and apparatus for. E. E. Slick. No. 1,108,524; Aug. 25; Gaz. vol. 205; p. 1167.
- Forging car-wheels, Method of and apparatus for. E. E. Slick. No. 1,108,260; Aug. 25; Gaz. vol. 205; p. 1076.
- Forging, Heating bars or billets preparatory to. H. V. Loss. No. 1,084,156; Jan. 13; Gaz. vol. 198; p. 328.
- Forging-machine. J. N. Cummings. No. 1,100,227; June 16; Gaz. vol. 203; p. 718.
- Forging-machine. H. V. Loss. No. 1,094,797; Apr. 28; Gaz. vol. 201; p. 1046.
- Forging machine, Wheel-. J. C. Cromwell. No. 1,115,786; Nov. 3; Gaz. vol. 208; p. 107.
- Forging-press. E. F. Oyster. No. 1,094,092; Apr. 21; Gaz. vol. 201; p. 744.
- Fork. See Bicycle-fork; Extensible fork; Hay-fork; Kitchen-fork; Loom weft-fork; Spring-fork.
- Fork. C. A. Fleming. No. 1,091,319; Mar. 24; Gaz. vol. 200; p. 1028.
- Fork-socket, Adjustable. J. C. Kriha. No. 1,107,970; Aug. 18; Gaz. vol. 205; p. 925.
- Forks and spoons, Case for storing. R. I. Blanchard. No. 1,101,247; June 23; Gaz. vol. 203; p. 1124.
- Forks, spoons, handles, &c., Manufacture of blanks such as are used in the manufacture of. A. Wilzin. No. 1,098,071; May 26; Gaz. vol. 202; p. 1124.
- Form, Adjustable garment-. I. Levin. No. 1,102,596; July 7; Gaz. vol. 204; p. 132.
- Form, Adjustable garment-. M. Selubsky. No. 1,084,235; Jan. 13; Gaz. vol. 198; p. 356.
- Form and hanger for coats, &c., Combination. S. B. Cahn. No. 1,115,169; Oct. 27; Gaz. vol. 207; p. 1104.
- Form, Body-. M. L. Carrara. No. 1,092,138; Apr. 7; Gaz. vol. 201; p. 5.
- Form, Collapsible clothing-. M. I. Hamburger. No. 1,088,340; Feb. 24; Gaz. vol. 199; p. 1101.
- Form, Collapsible telescoping. C. D. McArthur. No. 1,108,201; Aug. 25; Gaz. vol. 205; p. 1055.
- Form, Dress-. A. D. Bailey. No. 1,102,711; July 7; Gaz. vol. 204; p. 170.
- Form, Dress-. W. Enoch. No. 1,116,047; Nov. 3; Gaz. vol. 208; p. 199.
- Form, Dress-. L. T. Furnas. No. 1,107,055; Aug. 11; Gaz. vol. 205; p. 555.
- Form, Dress-. M. A. and H. R. Konikoff. No. 1,122,129; Dec. 22; Gaz. vol. 209; p. 1244.
- Form, Dress-. R. R. Montgomery. No. 1,096,049; May 12; Gaz. vol. 202; p. 334.
- Form, Dress-. G. W. Weiss. No. 1,121,698; Dec. 22; Gaz. vol. 209; p. 1094.
- Form, Garment-. C. R. Lendle. No. 1,092,726; Apr. 7; Gaz. vol. 201; p. 206.
- Form, Garment-. I. Levin. No. 1,102,597; July 7; Gaz. vol. 204; p. 132.
- Form, Garment-. E. T. Palmenberg. No. 1,098,965; June 2; Gaz. vol. 203; p. 206.
- Form, Garment-. A. D. Smith. No. 1,086,094; Feb. 3; Gaz. vol. 199; p. 185.
- Form or mold. C. M. Neeld. No. 1,109,863; Sept. 8; Gaz. vol. 206; p. 396.
- Form outlines, Reproducing. W. B. Plannett. No. 1,115,567; Nov. 3; Gaz. vol. 208; p. 34.
- Form, Scarf-. E. Wasen. No. 1,097,491; May 19; Gaz. vol. 202; p. 874.
- Form, Sectional dress-. C. A. Ufford. No. 1,119,476; Dec. 1; Gaz. vol. 209; p. 198.
- Form support, Dress-. W. E. Hume. No. 1,097,128; May 19; Gaz. vol. 202; p. 748.
- Form support, Dress-. U. Lewis. No. 1,096,848; May 19; Gaz. vol. 202; p. 648.

Alphabetical list of inventions—Continued.

- Form-table. R. T. Johnston. No. 1,104,048; July 21; Gaz. vol. 204; p. 722.
- Form, Umbrella bust-. M. I. Hamburger. No. 1,107,062; Aug. 11; Gaz. vol. 205; p. 557.
- Forms, Adjusting device for model dress-. M. Luery. No. 1,107,331; Aug. 18; Gaz. vol. 205; p. 701.
- Forms and the like, Support for dress-. W. E. Hume. No. 1,101,552; June 30; Gaz. vol. 203; p. 1279.
- Forms, Machine for affixing covering material to. L. E. Brown. No. 1,117,162; Nov. 17; Gaz. vol. 208; p. 668.
- Former. A. Eckelmann. No. 1,100,718; June 23; Gaz. vol. 203; p. 940.
- Forming-block, Sectional. L. Stevens. No. 1,109,713; Sept. 8; Gaz. vol. 206; p. 344.
- Forming-in machine. J. N. Moulton. No. 1,089,491; Mar. 10; Gaz. vol. 200; p. 328.
- Forming-machine. P. Z. Kohlhaas. No. 1,114,888; Oct. 27; Gaz. vol. 207; p. 1003.
- Forming-machine. G. H. Petri. No. 1,087,051; Feb. 10; Gaz. vol. 199; p. 555.
- Forming-tool. L. L. Funk. No. 1,122,720; Dec. 29; Gaz. vol. 209; p. 1487.
- Formaldehyde, Making. H. von Hochstetter. No. 1,100,076; June 16; Gaz. vol. 203; p. 666.
- Formaldehyde, Making. H. von Hochstetter. No. 1,110,289; Sept. 8; Gaz. vol. 206; p. 550.
- Formates and the like, Producing. J. E. Bucher. No. 1,083,589; Jan. 6; Gaz. vol. 198; p. 109.
- Formillion. H. M. Darmstadter. No. 1,102,729; July 7; Gaz. vol. 204; p. 177.
- Fortune-telling apparatus. W. M. Hamilton. No. 1,092,354; Apr. 7; Gaz. vol. 201; p. 79.
- Foundation on which plaster may be laid. O. Rechnitz. No. 1,107,841; Aug. 18; Gaz. vol. 205; p. 883.
- Foundry-cores, Centrifugal machine for the manufacture of. M. Fauquet. No. 1,099,740; June 9; Gaz. vol. 203; p. 513.
- Foundry-flask. T. H. Downie. No. 1,092,636; Apr. 7; Gaz. vol. 201; p. 178.
- Foundry-flask. I. R. Smith. No. 1,113,500; Oct. 13; Gaz. vol. 207; p. 424.
- Foundry-flask. I. R. Smith. No. 1,122,321; Dec. 29; Gaz. vol. 209; p. 1349.
- Fountain: See Automatic fountain; Drinking-fountain; Feed and water fountain; Illuminated fountain; Poultry-fountain; Poultry drinking-fountain; Printing-press ink-fountain; Stock-fountain; Stock and poultry fountain; Water-fountain; Watering-fountain.
- Fountain. N. Tesla. No. 1,113,716; Oct. 13; Gaz. vol. 207; p. 498.
- Fountain-comb. A. Pelstring. No. 1,119,868; Dec. 8; Gaz. vol. 209; p. 368.
- Fountain for fowls. W. F. Kenly. No. 1,093,335; Apr. 14; Gaz. vol. 201; p. 451.
- Four-party key. A. F. Dixon. No. 1,105,629; Aug. 4; Gaz. vol. 205; p. 15.
- Fourdrinier machine. A. J. Davies. No. 1,090,974; Mar. 24; Gaz. vol. 200; p. 910.
- Fowl-beheading tool. E. Boettger. No. 1,085,793; Feb. 3; Gaz. vol. 199; p. 77.
- Fracture and extension apparatus. E. O. Onion and C. D. Snively. No. 1,108,469; Aug. 25; Gaz. vol. 205; p. 1148.
- Fracture apparatus. C. W. Burton. No. 1,121,795; Dec. 22; Gaz. vol. 209; p. 1127.
- Fracture-box. N. Swanson. No. 1,089,801; Mar. 10; Gaz. vol. 200; p. 433.
- Fracture-table. J. C. Landenberger. No. 1,113,658; Oct. 13; Gaz. vol. 207; p. 476.
- Frame: See Adjustable frame; Agricultural-implement frame; Agricultural-machine frame; Automobile-frame; Awning-frame; Bag-frame; Basket-frame; Basting-frame; Bed-frame; Bed-spring frame; Bicycle-frame; Bicycle spring-frame; Brake tongue-frame; Canopy-frame; Car-frame; Car-door frame; Car end frame; Carpet-setting frame; Casserole-frame; Chip-confining frame; Collapsible frame; Cycle-frame; Display-frame; Door-frame; Drawing-frame; Drying-frame; Embroidery-frame; Furnace-door frame; Grindstone-frame; Hacksaw-frame; Hammock-frame; Heddle-frame; Knockdown frame; Locomotive-frame; Locomotive side frame; Metallic frame; Mirror-frame; Motor-frame; Necktie-frame; Photographic-printing frame; Piano-back frame; Pool-ball frame; Pool or other game frame; Post-card frame; Printing-frame; Printing and vignetting frame; Quilting-frame; Roving-frame; Saw-frame; Screen-frame; Screen protector-frame; Sewing-machine quilting-frame; Side frame; Silo-door frame; Skeleton frame; Skirt-frame; Spectacle-frame; Spinning-frame; Spinning and twisting frame; Supporting-frame; Tensioning-frame; Truck-frame; Truck side frame; Twisting-frame; Umbrella-frame; Vehicle-frame; Vehicle top-frame; Window-frame.
- Frame. F. P. Williams and M. H. Lane. No. 1,111,512; Sept. 22; Gaz. vol. 206; p. 1058.
- Frame construction. W. C. Linder. No. 1,092,727; Apr. 7; Gaz. vol. 201; p. 207.
- Frame construction. R. C. Schofield. No. 1,083,377; Jan. 6; Gaz. vol. 198; p. 39.
- Frame-squaring device. J. E. Ahlvin. No. 1,101,517; June 30; Gaz. vol. 203; p. 1267.
- Frames, Clamping device for stretching-. C. E. Clancy. No. 1,085,320; Jan. 27; Gaz. vol. 198; p. 787.
- Frappey-machine. H. Auperl. No. 1,092,131; Apr. 7; Gaz. vol. 201; p. 3.
- Fraud-preventing security-blank. E. H. Farmer. No. 1,114,346; Oct. 20; Gaz. vol. 207; p. 759.
- Freezing apparatus. J. M. Long. No. 1,119,707; Dec. 1; Gaz. vol. 209; p. 278.
- Freezing, Device for preventing water-leaders from. L. H. Berg. No. 1,096,091; May 12; Gaz. vol. 202; p. 348.
- Freezing-tank. J. F. Bender. No. 1,114,957; Oct. 27; Gaz. vol. 207; p. 1027.
- Freight-handling apparatus. J. T. Clark. No. 1,109,963; Sept. 8; Gaz. vol. 206; p. 433.
- Freight-handling apparatus. H. Sawyer. No. 1,111,100; Sept. 22; Gaz. vol. 206; p. 917.
- Freight-handling device. J. Sheehan and G. H. Gilman. No. 1,118,817; Nov. 24; Gaz. vol. 208; p. 1287.
- Freight in packages, Device for handling. J. T. Clark. No. 1,109,964; Sept. 8; Gaz. vol. 206; p. 433.
- Freight transference, Apparatus for. G. E. Titcomb. No. 1,107,378; Aug. 18; Gaz. vol. 205; p. 718.
- Fresco-paintings and colored weatherproof architectural ornaments, Production of. E. Borner. No. 1,116,979; Nov. 10; Gaz. vol. 208; p. 566.
- Friction-brake. C. H. Alexander. No. 1,121,222; Dec. 15; Gaz. vol. 209; p. 893.
- Friction-brake. R. Delaunay-Belleville. No. 1,111,058; Sept. 22; Gaz. vol. 206; p. 903.
- Friction-coupling. L. F. Bowers. No. 1,119,798; Dec. 8; Gaz. vol. 209; p. 344.
- Friction-coupling, Electromagnetic. P. Forster. No. 1,122,380; Dec. 29; Gaz. vol. 209; p. 1368.
- Friction device. M. J. L. Towler. No. 1,118,705; Nov. 24; Gaz. vol. 208; p. 1250.
- Friction device, Antistatic. J. J. O'Toole. No. 1,121,198; Dec. 15; Gaz. vol. 209; p. 885.
- Friction device, Steam. E. A. Strand. No. 1,113,711; Oct. 13; Gaz. vol. 207; p. 496.
- Friction mechanism for resisting strains. R. E. L. Janney. (Reissue.) No. 13,744; June 9; Gaz. vol. 203; p. 571.
- Friction-top can. L. C. Krummel. No. 1,084,451; Jan. 13; Gaz. vol. 198; p. 424.
- Friction-top can. J. M. Young. No. 1,091,612; Mar. 31; Gaz. vol. 200; p. 1170.
- Friction transmission mechanism. T. D. Stanley. No. 1,089,596; Mar. 10; Gaz. vol. 200; p. 364.
- Frog and crossing. E. H. Steedman. No. 1,120,558; Dec. 8; Gaz. vol. 209; p. 612.
- Frog and switch. E. H. Steedman. No. 1,120,557; Dec. 8; Gaz. vol. 209; p. 612.
- Frost-remover. J. J. Heim and W. Nottberg. No. 1,102,336; July 7; Gaz. vol. 204; p. 40.
- Fruit-catcher. C. A. Littleton. No. 1,111,597; Sept. 22; Gaz. vol. 206; p. 1088.
- Fruit-clipper. W. C. Reinoehl. No. 1,101,331; June 23; Gaz. vol. 203; p. 1152.
- Fruit-cutting device. C. S. Merrill. No. 1,115,001; Oct. 27; Gaz. vol. 207; p. 1044.
- Fruit-depressor, Sanitary. E. M. Scheier. No. 1,084,114; Jan. 13; Gaz. vol. 198; p. 314.
- Fruit-drier. A. Distler. No. 1,118,272; Nov. 24; Gaz. vol. 208; p. 1096.
- Fruit-drier. O. L. Furuseth. No. 1,093,044; Apr. 14; Gaz. vol. 201; p. 350.
- Fruit-drier. E. N. Maull. No. 1,101,304; June 23; Gaz. vol. 203; p. 1143.
- Fruit-drier. W. Reid. No. 1,091,460; Mar. 24; Gaz. vol. 200; p. 1073.
- Fruit-drier. E. T. Roberts. No. 1,093,011; Apr. 14; Gaz. vol. 201; p. 339.
- Fruit-drying apparatus. C. C. McIntosh. No. 1,122,018; Dec. 22; Gaz. vol. 209; p. 1207.
- Fruit-drying machine. W. C. Griffin. No. 1,118,547; Nov. 24; Gaz. vol. 208; p. 1196.
- Fruit-feeding machine. F. B. and J. W. Pease. No. 1,109,541; Sept. 1; Gaz. vol. 206; p. 239.
- Fruit-gatherer. P. H. Lint. No. 1,104,431; July 21; Gaz. vol. 204; p. 853.
- Fruit-gatherer. M. H. Patton. No. 1,088,170; Feb. 24; Gaz. vol. 199; p. 1044.
- Fruit-gatherer. W. R. Quantrell. No. 1,122,802; Dec. 29; Gaz. vol. 209; p. 1516.
- Fruit-gatherer. J. T. Vasey. No. 1,114,318; Oct. 20; Gaz. vol. 207; p. 750.
- Fruit-grader. F. C. and C. M. Jaquette. No. 1,097,439; May 19; Gaz. vol. 202; p. 855.
- Fruit-grader. J. H. O. Kemp. No. 1,103,970; July 21; Gaz. vol. 204; p. 696.
- Fruit-grader. J. A. Woods. No. 1,118,834; Nov. 24; Gaz. vol. 208; p. 1292.
- Fruit-grading apparatus. F. W. and A. B. Cutler. No. 1,093,836; Apr. 21; Gaz. vol. 201; p. 659.
- Fruit-grading apparatus. G. D. Parker. No. 1,092,664; Apr. 7; Gaz. vol. 201; p. 186.
- Fruit-grading machine. C. H. Baker. No. 1,089,034; Mar. 3; Gaz. vol. 200; p. 123.

Alphabetical list of inventions—Continued.

- Fruit-juice, Storing unfermented. F. J. Walker, Jr. No. 1,103,920; July 14; Gaz. vol. 204; p. 637.
- Fruit, Machine for removing stones from. J. Heberling. No. 1,083,881; Jan. 6; Gaz. vol. 198; p. 202.
- Fruit or vegetable feeding machine. B. C. Coons. No. 1,086,753; Feb. 10; Gaz. vol. 199; p. 455.
- Fruit-package. C. L. Crumrine. No. 1,099,281; June 9; Gaz. vol. 203; p. 355.
- Fruit-picker. J. E. Allsteadt. No. 1,089,521; Mar. 10; Gaz. vol. 200; p. 339.
- Fruit-picker. W. H. Andrews. No. 1,093,097; Apr. 14; Gaz. vol. 201; p. 369.
- Fruit-picker. W. A. Cisne. No. 1,090,685; Mar. 17; Gaz. vol. 200; p. 781.
- Fruit-picker. H. A. Colby. No. 1,117,332; Nov. 17; Gaz. vol. 203; p. 730.
- Fruit-picker. H. Everett and L. H. Kurth. No. 1,099,289; June 9; Gaz. vol. 203; p. 358.
- Fruit-picker. W. Farmer. No. 1,100,965; June 23; Gaz. vol. 203; p. 1027.
- Fruit-picker. L. C. Irvin. No. 1,087,294; Feb. 17; Gaz. vol. 199; p. 693.
- Fruit-picker. R. E. Norris. No. 1,121,279; Dec. 15; Gaz. vol. 209; p. 911.
- Fruit-picker. J. A. Pindell. No. 1,105,302; July 28; Gaz. vol. 204; p. 1205.
- Fruit-picker. A. Quick and B. E. Baker. No. 1,088,295; Feb. 24; Gaz. vol. 199; p. 1087.
- Fruit-picker. E. C. and G. N. Stafford. No. 1,121,145; Dec. 15; Gaz. vol. 209; p. 868.
- Fruit-picker. L. Stevens. No. 1,094,263; Apr. 21; Gaz. vol. 201; p. 801.
- Fruit-picker. J. A. Sundquist. No. 1,120,423; Dec. 8; Gaz. vol. 209; p. 564.
- Fruit-picker. H. A. Sward. No. 1,102,105; June 30; Gaz. vol. 203; p. 1474.
- Fruit-picker. P. A. Ulrich. No. 1,091,096; Mar. 24; Gaz. vol. 200; p. 953.
- Fruit picker or gatherer. G. J. Falkin. No. 1,085,728; Feb. 3; Gaz. vol. 199; p. 53.
- Fruit picker or gatherer. G. J. Falkin. No. 1,105,189; July 28; Gaz. vol. 204; p. 1165.
- Fruit-picker's bag. W. T. Summers. No. 1,097,374; May 19; Gaz. vol. 202; p. 834.
- Fruit-picking sack. J. B. Holt. No. 1,106,654; Aug. 11; Gaz. vol. 205; p. 419.
- Fruit pitting and cutting machine. F. C. Philips. No. 1,112,090; Sept. 29; Gaz. vol. 206; p. 1294.
- Fruit-press. J. Heagerty. No. 1,118,127; Nov. 24; Gaz. vol. 203; p. 1048.
- Fruit-press charger. W. H. Myers. No. 1,106,234; Aug. 4; Gaz. vol. 205; p. 225.
- Fruit-presser. A. C. and J. B. Schiffmann. No. 1,104,937; July 28; Gaz. vol. 204; p. 1079.
- Fruit-pressing apparatus. W. H. Browning. No. 1,088,123; Feb. 24; Gaz. vol. 199; p. 1027.
- Fruit-receiver. C. R. Satterberg. No. 1,121,406; Dec. 15; Gaz. vol. 209; p. 956.
- Fruit-sack. M. A. Zoulek. No. 1,111,937; Sept. 29; Gaz. vol. 206; p. 1244.
- Fruit-separator. G. W. Johnson. No. 1,118,779; Nov. 24; Gaz. vol. 203; p. 1274.
- Fruit size-grader. L. B. Williams. No. 1,109,099; Sept. 1; Gaz. vol. 206; p. 86.
- Fruit-sizer. A. R. Stevens. No. 1,095,941; May 5; Gaz. vol. 202; p. 260.
- Fruit-sorting machine. J. L. Maull. No. 1,114,499; Oct. 20; Gaz. vol. 207; p. 817.
- Fruit-sorting machine. F. R. Smith. No. 1,118,957; Dec. 1; Gaz. vol. 209; p. 18.
- Fruit-squeezer. O. Weis. No. 1,107,230; Aug. 11; Gaz. vol. 205; p. 618.
- Fruit-stand. O. Roberts. No. 1,105,376; July 28; Gaz. vol. 204; p. 1235.
- Fruit-stem cutter. I. Tsukamoto. No. 1,115,619; Nov. 3; Gaz. vol. 208; p. 51.
- Fruit-stoning machine. F. B. Perry. No. 1,119,038; Dec. 1; Gaz. vol. 209; p. 49.
- Fruit, Treating citrus. J. N. G. Singleton. No. 1,093,081; Apr. 14; Gaz. vol. 201; p. 363.
- Fruit-treating machine. H. G. Ginaca. No. 1,112,130; Sept. 29; Gaz. vol. 206; p. 1308.
- Fruit-washing machine. E. N. Maull. No. 1,100,981; June 23; Gaz. vol. 203; p. 1032.
- Fruit-washing machine. A. R. Stevens. No. 1,095,942; May 5; Gaz. vol. 202; p. 260.
- Fruits and vegetables, Apparatus for sorting and grading. H. M. Gilbert. No. 1,083,397; Jan. 6; Gaz. vol. 198; p. 46.
- Fruits, Treating. P. J. Scheuermann. No. 1,108,521; Aug. 25; Gaz. vol. 205; p. 1167.
- Frying-machine. A. W. Copland. No. 1,106,926; Aug. 11; Gaz. vol. 205; p. 513.
- Fuel apparatus. J. Hyde. No. 1,090,104; Mar. 10; Gaz. vol. 200; p. 539.
- Fuel block or briquet. A. F. Van Hall, F. Basenau, and R. C. J. Van Haagen. No. 1,114,715; Oct. 20; Gaz. vol. 207; p. 888.
- Fuel-briquet composition. W. Loesch. No. 1,111,800; Sept. 29; Gaz. vol. 206; p. 1197.
- Fuel-briquets, Manufacture of. J. B. Cann. No. 1,121,325; Dec. 15; Gaz. vol. 209; p. 928.
- Fuel, Burning solid. O. B. Evans. No. 1,085,806; Feb. 3; Gaz. vol. 199; p. 82.
- Fuel, Carbon. J. F. Dymond. No. 1,106,289; Aug. 4; Gaz. vol. 205; p. 242.
- Fuel-delivery system. J. Zagora. No. 1,106,270; Aug. 4; Gaz. vol. 205; p. 236.
- Fuel-distributing apparatus, Pulverized-. H. H. Blake. No. 1,104,404; July 21; Gaz. vol. 204; p. 844.
- Fuel-economizer device. H. G. Tucker. No. 1,122,821; Dec. 29; Gaz. vol. 209; p. 1523.
- Fuel feeder, Fluid-. E. F. Hopkins. No. 1,114,764; Oct. 27; Gaz. vol. 207; p. 959.
- Fuel-feeding apparatus. T. A. Edison. No. 1,106,444; Aug. 11; Gaz. vol. 205; p. 340.
- Fuel-feeding apparatus. J. Hyde. No. 1,116,066; Nov. 3; Gaz. vol. 208; p. 205.
- Fuel-feeding apparatus. C. D. Stevens. No. 1,087,333; Feb. 17; Gaz. vol. 199; p. 706.
- Fuel-feeding apparatus, Pulverized-. V. Z. Caracristi. No. 1,118,634; Nov. 24; Gaz. vol. 208; p. 1226.
- Fuel for motive power, Means for increasing the efficiency of. W. C. and F. E. Wells. No. 1,099,411; June 9; Gaz. vol. 203; p. 401.
- Fuel-gasifying device, Liquid-. C. A. Erickson. No. 1,117,354; Nov. 17; Gaz. vol. 208; p. 738.
- Fuel-heater. F. E. Manning. No. 1,117,414; Nov. 17; Gaz. vol. 208; p. 758.
- Fuel-heater. J. C. Skinner. No. 1,114,924; Oct. 27; Gaz. vol. 207; p. 1017.
- Fuel-heater. T. A. Taylor. No. 1,109,025; Sept. 1; Gaz. vol. 206; p. 61.
- Fuel heating and feeding system, Preliminary. J. Reichenbach. No. 1,085,160; Jan. 27; Gaz. vol. 198; p. 730.
- Fuel-injection device. F. Müller. No. 1,118,437; Nov. 24; Gaz. vol. 208; p. 1157.
- Fuel-injector. S. Wigelius. No. 1,112,877; Oct. 6; Gaz. vol. 207; p. 163.
- Fuel-injector. S. Wigelius. No. 1,112,878; Oct. 6; Gaz. vol. 207; p. 164.
- Fuel, Kindling-. M. A. Smith. No. 1,084,369; Jan. 13; Gaz. vol. 198; p. 398.
- Fuel, Means for atomizing. A. Willmer. No. 1,085,075; Jan. 20; Gaz. vol. 198; p. 664.
- Fuel, Method and means for obtaining gaseous. G. Constantinescu. No. 1,120,135; Dec. 8; Gaz. vol. 209; p. 461.
- Fuel-mixer. G. H. Clemmer. No. 1,093,385; Apr. 14; Gaz. vol. 201; p. 469.
- Fuel mixer, Gaseous-. C. Eschwei. No. 1,119,259; Dec. 1; Gaz. vol. 209; p. 123.
- Fuel mixer, Gaseous-. J. J. Murphy. No. 1,113,041; Oct. 6; Gaz. vol. 207; p. 218.
- Fuel mixer, Gaseous-. E. D. Saint Cyr. No. 1,118,237; Nov. 24; Gaz. vol. 208; p. 1084.
- Fuel mixer, Gaseous-. H. E. Whiting. No. 1,089,804; Mar. 10; Gaz. vol. 200; p. 434.
- Fuel, Process of and apparatus for aerating and feeding liquid. S. J. Eva, H. P. Gray, and J. R. Christy. No. 1,100,126; June 16; Gaz. vol. 203; p. 683.
- Fuel, Producing gaseous. A. W. Southey. No. 1,083,468; Jan. 6; Gaz. vol. 198; p. 70.
- Fuel-receptacle burner. E. M. Potter. No. 1,104,383; July 21; Gaz. vol. 204; p. 837.
- Fuel-regulator. I. U. Hager. No. 1,103,198; July 14; Gaz. vol. 204; p. 389.
- Fuel-regulator, Temperature-controlled. L. M. Chapman. No. 1,117,790; Nov. 17; Gaz. vol. 208; p. 892.
- Fuel-saver. J. T. McKee. No. 1,086,834; Feb. 10; Gaz. vol. 199; p. 484.
- Fuel-saver and smoke-consumer. J. L. Webster. No. 1,112,179; Sept. 29; Gaz. vol. 206; p. 1326.
- Fuel-saving device. W. C. Blaske. No. 1,114,959; Oct. 27; Gaz. vol. 207; p. 1028.
- Fuel-saving device. W. C. Blaske. No. 1,116,224; Nov. 3; Gaz. vol. 208; p. 259.
- Fuel-supplying apparatus, Motor-. A. Freschl and J. L. Freschl. No. 1,096,901; May 19; Gaz. vol. 202; p. 667.
- Fuel-vaporizing device. C. F. Johnson. No. 1,117,392; Nov. 17; Gaz. vol. 208; p. 751.
- Fuel wastes, Utilizing. J. M. W. Kitchen. No. 1,094,390; Apr. 21; Gaz. vol. 201; p. 841.
- Fuels, Apparatus for utilizing low-grade. H. H. Blake. No. 1,104,403; July 21; Gaz. vol. 204; p. 844.
- Fullers' earth, Treating. C. L. Parsons. No. 1,112,650; Oct. 6; Gaz. vol. 207; p. 86.
- Fume-condensing apparatus. W. R. Heslewood. (Reissue.) No. 13,684; Feb. 10; Gaz. vol. 199; p. 570.
- Fume-destroying process. S. W. Young. No. 1,094,767; Apr. 28; Gaz. vol. 201; p. 1037.
- Fume-hood for chemical laboratories. S. E. Coleman. No. 1,117,551; Nov. 17; Gaz. vol. 208; p. 806.
- Fumigating device. J. Brassfield. No. 1,088,122; Feb. 24; Gaz. vol. 199; p. 1027.
- Fumigator. L. A. Thiele. No. 1,095,043; Apr. 28; Gaz. vol. 201; p. 1131.
- Fumigator, Electric. W. F. McNabb. No. 1,102,424; July 7; Gaz. vol. 204; p. 72.

Alphabetical list of inventions—Continued.

- Functional integrating device. E. G. Bailey. No. 1,087,915; Feb. 24; Gaz. vol. 199; p. 953.
- Funnel. C. Badig and S. Berger. No. 1,091,271; Mar. 24; Gaz. vol. 200; p. 1013.
- Funnel. S. Bowdidge. No. 1,088,649; Feb. 24; Gaz. vol. 199; p. 1202.
- Funnel. H. M. Case. No. 1,110,670; Sept. 15; Gaz. vol. 206; p. 725.
- Funnel. W. L. Blanchard. No. 1,092,517; Apr. 7; Gaz. vol. 201; p. 136.
- Funnel. J. H. Frederick. No. 1,107,774; Aug. 18; Gaz. vol. 205; p. 860.
- Funnel. C. Gentle. No. 1,104,354; July 21; Gaz. vol. 204; p. 827.
- Funnel. K. Karlson. No. 1,113,648; Oct. 13; Gaz. vol. 207; p. 473.
- Funnel. F. Lindeen. No. 1,099,706; June 9; Gaz. vol. 203; p. 503.
- Funnel. J. F. McKinzie. No. 1,121,857; Dec. 22; Gaz. vol. 209; p. 1151.
- Funnel. E. W. Mueller. No. 1,085,626; Feb. 3; Gaz. vol. 199; p. 16.
- Funnel. I. P. Olds. No. 1,117,431; Nov. 17; Gaz. vol. 208; p. 764.
- Funnel. B. Rakottay. No. 1,094,098; Apr. 21; Gaz. vol. 201; p. 746.
- Funnel. U. A. Stenman. No. 1,112,488; Oct. 6; Gaz. vol. 207; p. 25.
- Funnel. B. E. Walter. No. 1,094,350; Apr. 21; Gaz. vol. 201; p. 827.
- Funnel, Battery-filling. C. O. Keagy, B. K. Tollinger, and W. H. Beatty. No. 1,084,444; Jan. 13; Gaz. vol. 198; p. 422.
- Funnels, Straining device for. R. F. Alexander. No. 1,104,603; July 21; Gaz. vol. 204; p. 915.
- Fur-beating machine. C. Eschwei. No. 1,085,976; Feb. 3; Gaz. vol. 199; p. 142.
- Fur, Carroting. P. C. Donner. No. 1,106,371; Aug. 11; Gaz. vol. 205; p. 316.
- Fur for felting, Preparing. E. Tweedy. No. 1,085,391; Jan. 27; Gaz. vol. 198; p. 811.
- Fur-stretcher. G. W. Thorpe. No. 1,110,016; Sept. 8; Gaz. vol. 206; p. 451.
- Furnace: See Annealing-furnace; Blast-furnace; Boiler-furnace; Boiler and other furnace; Channel-furnace; Coal and gas furnace; Crucible-furnace; Cupola-furnace; Electric furnace; Electrical induction-furnace; Electrotyping-furnace; Gas-furnace; Gas and coal burning furnace; Gas-burning furnace; Glass-furnace; Glass-conveying furnace; Glass-melting furnace; Heating-furnace; Heating and baking furnace; Heating and melting furnace; Hot-air furnace; Incinerating-furnace; Liquid-fuel furnace; Locomotive-furnace; Melting-furnace; Metal-furnace; Metal-refining furnace; Metallizing-furnace; Metallurgical furnace; Muffle-furnace; Oil-burning furnace; Oil-nebulizing furnace; Open-hearth furnace; Ore-roasting furnace; Plumber's furnace; Producer and regenerative furnace; Recuperator-furnace; Regenerative furnace; Regenerator-furnace; Reheating-furnace; Roasting-furnace; Rotary furnace; Sawdust-burning furnace; Smelting-furnace; Smoke-consuming furnace; Tangential-flame furnace; Tilting furnace; Tinsmith's furnace; Underfeed furnace; Zinc-furnace.
- Furnace. W. E. Adams. No. 1,090,957; Mar. 24; Gaz. vol. 200; p. 905.
- Furnace. R. F. Almirall and C. G. Armstrong. No. 1,120,993; Dec. 15; Gaz. vol. 209; p. 811.
- Furnace. W. Anderson, J. Meikle, and C. W. Fulton. No. 1,085,001; Jan. 20; Gaz. vol. 198; p. 639.
- Furnace. M. M. Baird. No. 1,109,503; Sept. 1; Gaz. vol. 206; p. 227.
- Furnace. G. J. Comminos. No. 1,113,411; Oct. 13; Gaz. vol. 207; p. 392.
- Furnace. D. A. Cramer and J. M. Hoben. No. 1,114,969; Oct. 27; Gaz. vol. 207; p. 1031.
- Furnace. F. J. Doyle. No. 1,107,594; Aug. 18; Gaz. vol. 205; p. 796.
- Furnace. F. J. Doyle. No. 1,108,976; Sept. 1; Gaz. vol. 206; p. 41.
- Furnace. C. Ehlinger. No. 1,084,321; Jan. 13; Gaz. vol. 198; p. 383.
- Furnace. J. R. Fortune. No. 1,113,113; Oct. 6; Gaz. vol. 207; p. 241.
- Furnace. G. Garrecht. No. 1,087,875; Feb. 17; Gaz. vol. 199; p. 893.
- Furnace. W. Gartner. No. 1,089,409; Mar. 10; Gaz. vol. 200; p. 297.
- Furnace. F. and A. Girtanner. No. 1,102,041; June 30; Gaz. vol. 203; p. 1452.
- Furnace. A. P. Harder. No. 1,105,136; July 28; Gaz. vol. 204; p. 1146.
- Furnace. J. L. Hoffman. No. 1,115,672; Nov. 3; Gaz. vol. 208; p. 71.
- Furnace. C. D. Holley. No. 1,116,703; Nov. 10; Gaz. vol. 208; p. 470.
- Furnace. D. R. Keith. No. 1,121,508; Dec. 15; Gaz. vol. 209; p. 991.
- Furnace. W. J. Kenney. No. 1,114,269; Oct. 20; Gaz. vol. 207; p. 733.
- Furnace. H. C. Koch. No. 1,083,500; Jan. 6; Gaz. vol. 198; p. 80.
- Furnace. A. Martin. No. 1,103,888; July 14; Gaz. vol. 204; p. 626.
- Furnace. J. H. Morrow. No. 1,118,143; Nov. 24; Gaz. vol. 208; p. 1052.
- Furnace. J. H. Parsons. No. 1,092,851; Apr. 14; Gaz. vol. 201; p. 285.
- Furnace. C. E. Pedersen. No. 1,102,292; July 7; Gaz. vol. 204; p. 25.
- Furnace. H. A. Poppenhusen. No. 1,114,803; Oct. 27; Gaz. vol. 207; p. 972.
- Furnace. F. Siemens. No. 1,098,985; June 2; Gaz. vol. 203; p. 213.
- Furnace. J. W. Thomas. No. 1,084,175; Jan. 13; Gaz. vol. 198; p. 335.
- Furnace. W. F. Weathers. No. 1,119,206; Dec. 1; Gaz. vol. 209; p. 107.
- Furnace. G. B. Whitcomb. No. 1,097,698; May 26; Gaz. vol. 202; p. 989.
- Furnace. J. F. Wolvin. No. 1,083,345; Jan. 6; Gaz. vol. 198; p. 29.
- Furnace. F. H. Wright. No. 1,099,682; June 9; Gaz. vol. 203; p. 494.
- Furnace and air-injecting nozzle therefor. J. H. Parsons. No. 1,092,852; Apr. 14; Gaz. vol. 201; p. 286.
- Furnace and air-injecting nozzle therefor. J. H. Parsons. No. 1,092,853; Apr. 14; Gaz. vol. 201; p. 286.
- Furnace and cooking-stove, Combined. J. T. Cooper. No. 1,084,538; Jan. 13; Gaz. vol. 198; p. 451.
- Furnace and fuel-feeding device therefor. C. J. Greenstreet. No. 1,110,926; Sept. 15; Gaz. vol. 206; p. 814.
- Furnace-arch construction. F. Orth. No. 1,095,920; May 5; Gaz. vol. 202; p. 253.
- Furnace attachment. G. R. Jarman. No. 1,115,203; Oct. 27; Gaz. vol. 207; p. 1116.
- Furnace bonnet, Hot-air-. W. P. Daw. No. 1,094,309; Apr. 21; Gaz. vol. 201; p. 815.
- Furnace-bottom construction. H. H. Blake. No. 1,104,402; July 21; Gaz. vol. 204; p. 843.
- Furnace-casing. C. A. Kennedy. No. 1,089,843; Mar. 10; Gaz. vol. 200; p. 448.
- Furnace-cleaner. C. F. Hable. No. 1,106,093; Aug. 4; Gaz. vol. 205; p. 179.
- Furnace-cleaner. P. Molstad. No. 1,109,451; Sept. 1; Gaz. vol. 206; p. 210.
- Furnace clinker grinder and discharger. O. C. Woolson. No. 1,121,888; Dec. 22; Gaz. vol. 209; p. 1161.
- Furnace contact, Electric-. F. T. Snyder. No. 1,100,993; June 23; Gaz. vol. 203; p. 1036.
- Furnace-cooling system, Blast-. J. H. Means. No. 1,102,281; July 7; Gaz. vol. 204; p. 21.
- Furnace-cover. L. A. Sherman. No. 1,096,323; May 12; Gaz. vol. 202; p. 429.
- Furnace-door. L. L. Knox. No. 1,103,297; July 14; Gaz. vol. 204; p. 421.
- Furnace-door. J. A. Swindell. No. 1,098,993; June 2; Gaz. vol. 203; p. 215.
- Furnace door, Electric-. F. T. Snyder. No. 1,100,994; June 23; Gaz. vol. 203; p. 1037.
- Furnace-door frame. L. L. Knox. No. 1,118,358; Nov. 24; Gaz. vol. 208; p. 1128.
- Furnace-door frame. L. L. Knox. No. 1,118,428; Nov. 24; Gaz. vol. 208; p. 1154.
- Furnace-door frame. L. L. Knox. No. 1,118,429; Nov. 24; Gaz. vol. 208; p. 1154.
- Furnace-door opener. T. Rankin. No. 1,100,615; June 16; Gaz. vol. 203; p. 849.
- Furnace-door-operating device. G. H. Gregory. No. 1,091,060; Mar. 24; Gaz. vol. 200; p. 940.
- Furnace door or closure. J. B. Phillips and J. A. Kaplan. No. 1,097,462; May 19; Gaz. vol. 202; p. 863.
- Furnace-doors, Safety-guard for. H. H. Reiber. No. 1,101,094; June 23; Gaz. vol. 203; p. 1071.
- Furnace draft-regulator. G. Farstad and E. Paulsen. No. 1,118,849; Nov. 24; Gaz. vol. 208; p. 1298.
- Furnace draft-regulator. J. Hefferon. No. 1,088,572; Feb. 24; Gaz. vol. 199; p. 1177.
- Furnace dumping-grate. E. Gibson. No. 1,116,409; Nov. 10; Gaz. vol. 208; p. 362.
- Furnace feeding device, Roasting-. H. H. Stout. No. 1,102,454; July 7; Gaz. vol. 204; p. 81.
- Furnace feeding mechanism. J. Tedell. No. 1,088,379; Feb. 24; Gaz. vol. 199; p. 1114.
- Furnace for heating metal billets or ingots. J. R. George. No. 1,121,621; Dec. 22; Gaz. vol. 209; p. 1066.
- Furnace for hot-air heating systems. J. C. Stillman. No. 1,110,466; Sept. 15; Gaz. vol. 206; p. 653.
- Furnace for melting and alloying metals *in vacuo*. W. S. Simpson. No. 1,118,820; Nov. 24; Gaz. vol. 208; p. 1288.
- Furnace for roasting, smelting, and otherwise treating ores. E. Buchholtz. No. 1,100,711; June 23; Gaz. vol. 203; p. 937.
- Furnace for treating ore and the like. K. J. Beskow and A. Ramén. No. 1,091,182; Mar. 24; Gaz. vol. 200; p. 984.
- Furnace-front. F. M. Clark. No. 1,094,702; Apr. 28; Gaz. vol. 201; p. 1014.
- Furnace-grate. J. Beck. No. 1,090,014; Mar. 10; Gaz. vol. 200; p. 508.
- Furnace-grate. A. Cotton. No. 1,117,795; Nov. 17; Gaz. vol. 208; p. 893.

Alphabetical list of inventions—Continued.

- Furnace-grate. W. M. Duncan. No. 1,088,773; Mar. 3; Gaz. vol. 200; p. 34.
- Furnace-grate. O. H. Erdman. No. 1,105,636; Aug. 4; Gaz. vol. 205; p. 18.
- Furnace-grate. R. Grabowsky. No. 1,107,292; Aug. 18; Gaz. vol. 205; p. 687.
- Furnace-grate. D. J. McKenzie. No. 1,088,833; Mar. 3; Gaz. vol. 200; p. 55.
- Furnace-grate. P. Von Zeipel. No. 1,105,054; July 28; Gaz. vol. 204; p. 1119.
- Furnace-grate. F. L. O. Wadsworth. No. 1,103,232; July 14; Gaz. vol. 204; p. 399.
- Furnace-grate, Inclined. G. H. Thacher, Jr. No. 1,109,266; Sept. 1; Gaz. vol. 206; p. 145.
- Furnace-hood. J. W. Shirtcliff. No. 1,087,894; Feb. 17; Gaz. vol. 199; p. 900.
- Furnace-lining, Refractory. O. Serpek. No. 1,099,131; June 2; Gaz. vol. 203; p. 259.
- Furnace, Operating a. M. Rosenbaum. No. 1,108,792; Aug. 25; Gaz. vol. 205; p. 1257.
- Furnace part, Metallurgical. W. W. Case, Jr. No. 1,085,540; Jan. 27; Gaz. vol. 198; p. 858.
- Furnace plant, Electric-arc. E. Troye and E. Edwin. No. 1,122,555; Dec. 29; Gaz. vol. 209; p. 1427.
- Furnace-port cooling system. F. E. Parks. No. 1,113,245; Oct. 13; Gaz. vol. 207; p. 333.
- Furnace preheater and shield. W. S. Rockwell. No. 1,101,961; June 30; Gaz. vol. 203; p. 1422.
- Furnace provided with regenerative chambers. H. Poetter. No. 1,100,985; June 23; Gaz. vol. 203; p. 1033.
- Furnace-regulator. H. F. Quickel. No. 1,104,311; July 21; Gaz. vol. 204; p. 811.
- Furnace-regulator, Automatic. F. A. Richards. No. 1,123,009; Dec. 29; Gaz. vol. 209; p. 1589.
- Furnace-retort. D. F. Nisbet. No. 1,110,642; Sept. 15; Gaz. vol. 206; p. 714.
- Furnace-roof. E. E. Slick. No. 1,088,634; Feb. 24; Gaz. vol. 199; p. 1197.
- Furnace-roof. E. E. Slick. No. 1,109,553; Sept. 1; Gaz. vol. 206; p. 243.
- Furnace-setting. P. L. Crowe. No. 1,090,285; Mar. 17; Gaz. vol. 200; p. 643.
- Furnace shaft, Roasting. E. J. Fowler. No. 1,100,426; June 16; Gaz. vol. 203; p. 788.
- Furnace stack, Air-cooled blast. J. J. Shannon. No. 1,090,574; Mar. 17; Gaz. vol. 200; p. 745.
- Furnace-stoking grate. D. F. Nisbet. No. 1,088,445; Feb. 24; Gaz. vol. 199; p. 1137.
- Furnace structure. H. L. Meyer. No. 1,121,569; Dec. 15; Gaz. vol. 209; p. 1013.
- Furnace-wall construction. N. E. Maccaillum. No. 1,106,725; Aug. 11; Gaz. vol. 205; p. 442.
- Furnace with regenerative firing. K. Wendt. No. 1,097,900; May 26; Gaz. vol. 202; p. 1063.
- Furnaces, Air-moistening device for. G. H. Hermann. No. 1,119,598; Dec. 1; Gaz. vol. 209; p. 241.
- Furnaces and the like, Bosh-plate for blast. L. L. Knox. No. 1,101,700; June 30; Gaz. vol. 203; p. 1330.
- Furnaces and the like, Charging apparatus for open-hearth. J. A. Swindell. No. 1,106,988; Aug. 11; Gaz. vol. 205; p. 533.
- Furnaces, Anthracite-burning grate for. W. McClave. No. 1,105,572; July 28; Gaz. vol. 204; p. 1301.
- Furnaces, Apparatus for automatically charging hardening and the like. R. Röntgen. No. 1,107,449; Aug. 18; Gaz. vol. 205; p. 744.
- Furnaces, Apparatus for consuming smoke in locomotive. G. de Grahl. No. 1,095,629; May 5; Gaz. vol. 202; p. 155.
- Furnaces, Apparatus for feeding air to. J. H. Parsons. No. 1,092,854; Apr. 14; Gaz. vol. 201; p. 287.
- Furnaces, Apparatus for increasing the temperature of combustion in gas-fired. H. L. Doherty. No. 1,117,172; Nov. 17; Gaz. vol. 208; p. 672.
- Furnaces, Apparatus for promoting combustion in. E. C. Read. No. 1,106,583; Aug. 11; Gaz. vol. 205; p. 393.
- Furnaces, Apparatus for regulating combustion in. J. F. Canady. No. 1,102,718; July 7; Gaz. vol. 204; p. 173.
- Furnaces, Apparatus for spreading pyrites in roasting. O. Bataille and P. Pipereaut. No. 1,089,304; Mar. 3; Gaz. vol. 200; p. 214.
- Furnaces, Ash-remover for. T. Heer. No. 1,116,062; Nov. 3; Gaz. vol. 208; p. 204.
- Furnaces, Ash-sifter for. E. O. Loeber. No. 1,092,112; Mar. 31; Gaz. vol. 200; p. 1341.
- Furnaces, Car-feeding device for tunnel. A. H. Cowles. No. 1,086,278; Feb. 3; Gaz. vol. 199; p. 244.
- Furnaces, Cathode for electrolytic. G. O. Seward and F. von Kügelgen. No. 1,092,178; Apr. 7; Gaz. vol. 201; p. 18.
- Furnaces, Clinker grinder and discharger for. O. C. Woolson. No. 1,086,880; Feb. 10; Gaz. vol. 199; p. 500.
- Furnaces, Damper for. C. A. Raggio. No. 1,119,041; Dec. 1; Gaz. vol. 209; p. 51.
- Furnaces, Device for closing the tapping-openings of smelting. H. Meyer. No. 1,097,345; May 19; Gaz. vol. 202; p. 825.
- Furnaces, Door for fuel-openings of. M. A. Malloy. No. 1,087,885; Feb. 17; Gaz. vol. 199; p. 897.
- Furnaces, Drying air for blast. M. W. Johnson, Jr. No. 1,093,859; Apr. 21; Gaz. vol. 201; p. 666.
- Furnaces, Electrical heating device for metallurgical. U. Wedge. No. 1,088,496; Feb. 24; Gaz. vol. 199; p. 1152.
- Furnaces, Fire-arch for. J. Rosborough. No. 1,086,467; Feb. 10; Gaz. vol. 199; p. 356.
- Furnaces, Firing-door-controlled forced-draft blower for steam-boiler. E. R. Mulchahey. No. 1,090,820; Mar. 17; Gaz. vol. 200; p. 825.
- Furnaces, Gas-port for regenerative. A. Wood, 3d. No. 1,084,688; Jan. 20; Gaz. vol. 198; p. 534.
- Furnaces, Generating heat in fusion. B. Stoughton. No. 1,117,274; Nov. 17; Gaz. vol. 208; p. 709.
- Furnaces, Lining. B. E. Eldred. No. 1,091,567; Mar. 31; Gaz. vol. 200; p. 1155.
- Furnaces, Machine for removing slag, ash, or other residue from the retorts of zinc. E. W. Keith. No. 1,109,533; Sept. 1; Gaz. vol. 206; p. 236.
- Furnaces, Muffle for reduction. A. Roitzheim. No. 1,086,939; Feb. 10; Gaz. vol. 199; p. 520.
- Furnaces, Operating gas and oil. A. M. Hunt and J. B. Speed. No. 1,114,767; Oct. 27; Gaz. vol. 207; p. 960.
- Furnaces, Preventing deposition of carbon in reversing. F. Tschudy. No. 1,093,895; Apr. 21; Gaz. vol. 201; p. 678.
- Furnaces, Protecting-screen for. F. Corin. No. 1,087,529; Feb. 17; Gaz. vol. 199; p. 775.
- Furnaces, Rabble and rabble-arm for metallurgical. U. Wedge. No. 1,100,461; June 16; Gaz. vol. 203; p. 799.
- Furnaces, Reversing mechanism for regenerative reversing. W. C. Roe. No. 1,096,197; May 12; Gaz. vol. 202; p. 383.
- Furnaces, Scratcher or scraper for stirring apparatus in sulfate. H. Emrich. No. 1,121,004; Dec. 15; Gaz. vol. 209; p. 816.
- Furnaces, Spout for ore-smelting. C. C. Benton. No. 1,086,884; Feb. 10; Gaz. vol. 199; p. 502.
- Furnaces, Stabilizing means for electric-arc. C. E. Guye. No. 1,109,330; Sept. 1; Gaz. vol. 206; p. 168.
- Furnaces, Stack-cooler for blast. L. L. Knox. No. 1,101,701; June 30; Gaz. vol. 203; p. 1330.
- Furnaces, Straw-retarder for straw-burning. R. L. Dutcher. No. 1,111,013; Sept. 22; Gaz. vol. 206; p. 887.
- Furnaces, Valve and flue arrangement for reversing regenerative. L. L. Knox. No. 1,087,124; Feb. 17; Gaz. vol. 199; p. 632.
- Furniture, Arrangement of nettings for reclining and sitting. M. W. and U. A. Feig. No. 1,120,187; Dec. 8; Gaz. vol. 209; p. 480.
- Furniture, Article of. J. Boise. No. 1,094,636; Apr. 28; Gaz. vol. 201; p. 989.
- Furniture, Article of. G. Hall. No. 1,086,526; Feb. 10; Gaz. vol. 199; p. 376.
- Furniture, Combination article of. E. B. Butterworth. No. 1,094,526; Apr. 28; Gaz. vol. 201; p. 949.
- Furniture construction. D. R. Grossman. No. 1,101,276; June 23; Gaz. vol. 203; p. 1133.
- Furniture, Convertible. A. D. Elliott. No. 1,120,701; Dec. 15; Gaz. vol. 209; p. 710.
- Furniture-fastening. W. W. Boyle and F. Miller. No. 1,111,209; Sept. 22; Gaz. vol. 206; p. 955.
- Furniture, Folding. C. Durossette and J. G. Williams. No. 1,114,595; Oct. 20; Gaz. vol. 207; p. 847.
- Furniture, Kitchen. G. H. Barker. No. 1,116,544; Nov. 10; Gaz. vol. 208; p. 411.
- Furniture, Knockdown article of. P. Morrison. No. 1,083,850; Jan. 6; Gaz. vol. 198; p. 193.
- Furniture-legs, Shoe for. A. E. Schatz. No. 1,106,520; Aug. 11; Gaz. vol. 205; p. 370.
- Furniture, Locking device for sectional. A. T. Weiss. No. 1,095,364; May 5; Gaz. vol. 202; p. 65.
- Furniture, Partitions or walls for metal. A. T. Weiss. No. 1,112,506; Oct. 6; Gaz. vol. 207; p. 33.
- Furniture-polish. E. Knox. No. 1,088,998; Mar. 3; Gaz. vol. 200; p. 111.
- Furniture-polish. J. A. M. Lewis and F. A. Wager. No. 1,121,590; Dec. 15; Gaz. vol. 209; p. 1020.
- Furniture, Secret compartment for. R. W. Irwin. No. 1,121,841; Dec. 22; Gaz. vol. 209; p. 1144.
- Furniture, Self-leveling article of. J. Klein. No. 1,116,296; Nov. 3; Gaz. vol. 208; p. 281.
- Furniture, Sliding shoe for. W. T. and G. W. Hight, Jr. No. 1,114,353; Oct. 20; Gaz. vol. 207; p. 761.
- Furniture structure, Combination. E. H. Tate. No. 1,122,170; Dec. 22; Gaz. vol. 209; p. 1257.
- Furniture, Support for tubular legs of. G. E. Neuberth. No. 1,112,828; Oct. 6; Gaz. vol. 207; p. 146.
- Furniture, Tie-piece for metallic. A. T. Weiss. No. 1,118,979; Dec. 1; Gaz. vol. 209; p. 26.
- Furniture-top. E. Ohnstrand. No. 1,120,842; Dec. 15; Gaz. vol. 209; p. 759.
- Furrow-gage. O. B. Coleman. No. 1,106,028; Aug. 4; Gaz. vol. 205; p. 155.
- Furrow-opener, Disk. F. R. Packham. No. 1,089,072; Mar. 3; Gaz. vol. 200; p. 136.
- Furrow-opener, Disk. F. R. Packham. No. 1,107,442; Aug. 18; Gaz. vol. 205; p. 742.
- Furrow-opener, Single-disk. P. A. Lewis and H. N. Faas. No. 1,114,156; Oct. 20; Gaz. vol. 207; p. 691.
- Fuse. W. C. Banks. No. 1,097,964; May 26; Gaz. vol. 202; p. 1086.

Alphabetical list of inventions—Continued.

- Fuse. W. J. Britt, Jr. No. 1,110,478; Sept. 15; Gaz. vol. 206; p. 657.
- Fuse. F. B. Cook. No. 1,099,589; June 9; Gaz. vol. 203; p. 462.
- Fuse. A. F. Daum. No. 1,102,981; July 7; Gaz. vol. 204; p. 262.
- Fuse. P. E. Goldmann and A. F. Daum. No. 1,102,985; July 7; Gaz. vol. 204; p. 263.
- Fuse. G. Moore. No. 1,113,038; Oct. 6; Gaz. vol. 207; p. 217.
- Fuse-block. U. S. Anderson. No. 1,113,528; Oct. 13; Gaz. vol. 207; p. 434.
- Fuse-block. C. N. Johnson. No. 1,102,756; July 7; Gaz. vol. 204; p. 187.
- Fuse-blocks. Terminal clip for. D. C. Hooker. No. 1,122,754; Dec. 29; Gaz. vol. 209; p. 1497.
- Fuse-box. T. E. Murray. No. 1,120,223; Dec. 8; Gaz. vol. 209; p. 494.
- Fuse-capsule. H. T. Paiste. No. 1,112,313; Sept. 29; Gaz. vol. 206; p. 1372.
- Fuse, Cartridge-. L. D. Blackman. No. 1,090,445; Mar. 17; Gaz. vol. 200; p. 700.
- Fuse, Cartridge-. E. B. Mallory. No. 1,092,153; Apr. 7; Gaz. vol. 201; p. 10.
- Fuse-cartridge. J. W. Steelman. No. 1,114,654; Oct. 20; Gaz. vol. 207; p. 867.
- Fuse-clip. R. C. Cole. No. 1,092,430; Apr. 7; Gaz. vol. 201; p. 106.
- Fuse cut-out. Electric-. E. J. Gibbs. No. 1,102,579; July 7; Gaz. vol. 204; p. 126.
- Fuse, Delay-action. P. D. Van Essen. No. 1,089,994; Mar. 10; Gaz. vol. 200; p. 500.
- Fuse. Electric. P. C. Burns. No. 1,109,036; Sept. 1; Gaz. vol. 206; p. 64.
- Fuse, Electric. T. E. Murray. No. 1,103,987; July 21; Gaz. vol. 204; p. 701.
- Fuse, Electric. T. E. Murray. No. 1,120,221; Dec. 8; Gaz. vol. 209; p. 493.
- Fuse, Electric. T. E. Murray, Jr. No. 1,120,226; Dec. 8; Gaz. vol. 209; p. 495.
- Fuse. Electric. S. D. Sprong and W. E. McCoy. No. 1,094,030; Apr. 21; Gaz. vol. 201; p. 723.
- Fuse. Electric ignition-. K. Schaffler, *rekte* Glössl. No. 1,091,021; Mar. 24; Gaz. vol. 200; p. 928.
- Fuse, Electric safety-. R. C. Cole. No. 1,122,478; Dec. 29; Gaz. vol. 209; p. 1401.
- Fuse. Electric safety-. E. Weissberg. No. 1,092,805; Apr. 7; Gaz. vol. 201; p. 234.
- Fuse for projectiles. K. Asak. No. 1,105,394; July 28; Gaz. vol. 204; p. 1240.
- Fuse for projectiles. E. Faber. No. 1,102,732; July 7; Gaz. vol. 204; p. 178.
- Fuse for projectiles. H. B. Strange. No. 1,107,461; Aug. 18; Gaz. vol. 205; p. 748.
- Fuse-holder. H. W. Young. No. 1,087,417; Feb. 17; Gaz. vol. 199; p. 735.
- Fuse-holder. H. W. Young. No. 1,095,135; Apr. 28; Gaz. vol. 201; p. 1162.
- Fuse-holder. H. W. Young. No. 1,109,733; Sept. 8; Gaz. vol. 206; p. 351.
- Fuse-holder, Indicating. B. D. Horton. No. 1,097,438; May 19; Gaz. vol. 202; p. 855.
- Fuse-igniter, Electric. S. Clark. No. 1,119,926; Dec. 8; Gaz. vol. 209; p. 389.
- Fuse, Inclosed. W. J. Morgan. No. 1,117,590; Nov. 17; Gaz. vol. 208; p. 819.
- Fuse, Non-renewable. R. C. Cole. No. 1,114,340; Oct. 20; Gaz. vol. 207; p. 757.
- Fuse or cut-out. Electric. B. M. Walpole. No. 1,086,693; Feb. 10; Gaz. vol. 199; p. 434.
- Fuse, Percussion-. K. Wieser. No. 1,108,819; Aug. 25; Gaz. vol. 205; p. 1267.
- Fuse-plug. J. H. Hanson and J. W. Steele. No. 1,103,411; July 14; Gaz. vol. 204; p. 458.
- Fuse-plug. T. E. Murray. No. 1,084,706; Jan. 20; Gaz. vol. 198; p. 541.
- Fuse-plug. S. Terada. No. 1,094,036; Apr. 21; Gaz. vol. 201; p. 725.
- Fuse-plug, Automatic. L. M. Bowman. No. 1,097,294; May 19; Gaz. vol. 202; p. 806.
- Fuse plug, Indicating electric-. J. H. Miller. No. 1,101,946; June 30; Gaz. vol. 203; p. 1417.
- Fuse plug, Multiple-. A. J. Kalinowski. No. 1,103,777; July 14; Gaz. vol. 204; p. 588.
- Fuse, Rechargeable electric. A. Schipper. No. 1,121,876; Dec. 22; Gaz. vol. 209; p. 1157.
- Fuse, Refillable. F. D. Bryan. No. 1,092,333; Apr. 7; Gaz. vol. 201; p. 73.
- Fuse, Refillable. C. N. Stout. No. 1,107,861; Aug. 18; Gaz. vol. 205; p. 890.
- Fuse, Refillable cartridge-. E. Alexander. No. 1,101,897; June 30; Gaz. vol. 203; p. 1398.
- Fuse, Refillable cartridge-. E. B. Mallory. No. 1,092,498; Apr. 7; Gaz. vol. 201; p. 131.
- Fuse, Renewable cartridge-. N. D. Urquhart. No. 1,087,853; Feb. 17; Gaz. vol. 199; p. 886.
- Fuse-retainer. W. W. Jones. No. 1,097,442; May 19; Gaz. vol. 202; p. 857.
- Fuses, Setting-key for. K. Völler. No. 1,104,585; July 21; Gaz. vol. 204; p. 909.
- Fuse-setting machine. K. Wieser, W. Schwartz, and U. Wilck. No. 1,098,309; May 26; Gaz. vol. 202; p. 1205.
- Fuse-support. G. M. Doersch. No. 1,114,594; Oct. 20; Gaz. vol. 207; p. 846.
- Fuse-switch. T. E. Murray. No. 1,112,156; Sept. 29; Gaz. vol. 206; p. 1317.
- Fuse-switch. T. E. Murray and G. W. Christians. No. 1,087,971; Feb. 24; Gaz. vol. 199; p. 975.
- Fuse-tube, Refillable. G. Fisher. No. 1,086,909; Feb. 10; Gaz. vol. 199; p. 510.
- Fuses, Indicating means for inclosed. D. C. Hooker. No. 1,087,120; Feb. 17; Gaz. vol. 199; p. 631.
- Fuses, Mounting for. C. G. Stoll. No. 1,093,893; Apr. 21; Gaz. vol. 201; p. 678.
- Fusee-cap. R. M. Clark. No. 1,103,263; July 14; Gaz. vol. 204; p. 410.
- Fusee-cap. J. W. Edmands. No. 1,103,279; July 14; Gaz. vol. 204; p. 416.
- Fusee, Railway signal-. W. C. Beckwith. No. 1,087,348; Feb. 17; Gaz. vol. 199; p. 711.
- Fusee, Railway signal-. R. M. Clark. No. 1,107,034; Aug. 11; Gaz. vol. 205; p. 547.
- Fusee, Railway signal-. J. W. Edmands. No. 1,103,277; July 14; Gaz. vol. 204; p. 415.
- Fusee, Railway signal-. J. W. Edmands. No. 1,103,278; July 14; Gaz. vol. 204; p. 415.
- Fusee, Time-burning railway signal-. F. Dutcher. No. 1,090,461; Mar. 17; Gaz. vol. 200; p. 706.
- Fusee, Time-burning railway signal-. L. S. Ross. No. 1,094,596; Apr. 28; Gaz. vol. 201; p. 974.
- Fusible device. J. C. Meloon. No. 1,093,063; Apr. 14; Gaz. vol. 201; p. 356.
- Fusible link. J. W. Yates. No. 1,098,870; June 2; Gaz. vol. 203; p. 174.
- Gage. *See* Adjustable gage; Automobile gasoline-gage; Axle-gage; Ball-gage; Bevel-gage; Bit-gage; Boiler glass gage; Caliper-gage; Carbon-dioxid gage; Carpenter's gage; Center-gage; Clapboard-gage; Cone-gage; Constant-discharge gage; Ditching-machine gage; Feed-gage; Fluid-gage; Furrow-gage; Gasolene-gage; Hair-cutting gage; Indicating-gage; Jewel-gage; Liquid-gage; Liquid and gasolene gage; Lock-gage; Machine-gage; Mercury-gage; Micrometer-gage; Micrometer back-gage; Oil-gage; Paper-folding-machine gage; Plug-gage; Pressure-gage; Pressure and vacuum gage; Printing-press feed-gage; Printing-press sheet-gage; Railway-rail gage; Sampling-gage; Saw-gage; Sewing-machine gage; Sheet-gage; Shingle-gage; Siding-gage; Skirt-gage; Spring-gage; Surface-gage; Tank-gage; Tire-pressure gage; Track-gage; Watchmaker's gage; Water-gage; Water-level gage; Wheel-gage; Wire-gage.
- Gage. E. Corff. No. 1,103,265; July 14; Gaz. vol. 204; p. 411.
- Gage. W. H. Cuff. No. 1,092,899; Apr. 14; Gaz. vol. 201; p. 301.
- Gage. F. A. Hollandt and J. W. Smith. No. 1,107,789; Aug. 18; Gaz. vol. 205; p. 865.
- Gage. G. R. Lee. No. 1,085,446; Jan. 27; Gaz. vol. 198; p. 828.
- Gage. W. S. Miles, Jr. No. 1,108,775; Aug. 25; Gaz. vol. 205; p. 1252.
- Gage. H. A. Robertson. No. 1,105,700; Aug. 4; Gaz. vol. 205; p. 40.
- Gage. O. Vetter. No. 1,090,432; Mar. 17; Gaz. vol. 200; p. 695.
- Gage. J. W. Williams. No. 1,090,003; Mar. 10; Gaz. vol. 200; p. 504.
- Gage and cutting-tool, Combined. R. W. Bass. No. 1,100,666; June 16; Gaz. vol. 203; p. 866.
- Gage for testing tapered holes. H. C. Moulton. No. 1,086,840; Feb. 10; Gaz. vol. 199; p. 486.
- Gage-glass apparatus. D. R. MacBain. No. 1,105,150; July 28; Gaz. vol. 204; p. 1151.
- Gage holder and connection. H. A. Campbell. No. 1,108,065; Aug. 18; Gaz. vol. 205; p. 960.
- Gage-locking device. W. Ahlen. No. 1,090,809; Mar. 17; Gaz. vol. 200; p. 821.
- Gage-testing device. R. C. Cox. No. 1,108,141; Aug. 25; Gaz. vol. 205; p. 1034.
- Gaging device. G. H. Shaffer. No. 1,096,271; May 12; Gaz. vol. 202; p. 411.
- Gaining-machine. W. O. Fought, Jr., and W. E. O'Bryan. No. 1,083,819; Jan. 6; Gaz. vol. 198; p. 184.
- Galley foot-lock. W. R. Boyer. No. 1,083,586; Jan. 6; Gaz. vol. 198; p. 108.
- Galley-lock. I. H. Vogt. No. 1,113,517; Oct. 13; Gaz. vol. 207; p. 430.
- Galvanic battery. J. E. Preston. No. 1,104,828; July 28; Gaz. vol. 204; p. 1041.
- Galvanic battery. C. R. Schoenmehl. No. 1,111,186; Sept. 22; Gaz. vol. 206; p. 948.
- Galvanic battery, Secondary. H. P. R. L. Pörscke and J. A. E. Achenbach. No. 1,119,313; Dec. 1; Gaz. vol. 209; p. 142.
- Galvanic cell. M. L. Kaplan. No. 1,109,128; Sept. 1; Gaz. vol. 206; p. 95.
- Galvanic cell. M. L. Kaplan. No. 1,109,129; Sept. 1; Gaz. vol. 206; p. 96.
- Galvanizing-machine. M. W. Trout. No. 1,107,464; Aug. 18; Gaz. vol. 205; p. 750.

Alphabetical list of inventions—Continued.

- Galvanizing or otherwise coating metallic sheets with metal, Apparatus for. D. Jones and H. Folland. No. 1,083,495; Jan. 6; Gaz. vol. 198; p. 78.
- Galvanometer. R. R. Shay and M. C. Stoelting. No. 1,085,637; Feb. 3; Gaz. vol. 199; p. 20.
- Galvanometer. J. L. Zander. No. 1,098,871; June 2; Gaz. vol. 203; p. 174.
- Gambrel. W. E. Van Der Veen. No. 1,091,988; Mar. 31; Gaz. vol. 200; p. 1301.
- Gambrel. W. J. Walsh. No. 1,107,467; Aug. 18; Gaz. vol. 205; p. 751.
- Gambrel, Butcher's. G. E. Person. No. 1,117,436; Nov. 17; Gaz. vol. 208; p. 766.
- Game. T. H. Boggis. No. 1,116,554; Nov. 10; Gaz. vol. 208; p. 415.
- Game. J. T. Casebeer. No. 1,116,012; Nov. 3; Gaz. vol. 208; p. 187.
- Game. A. Cholewa. No. 1,112,769; Oct. 6; Gaz. vol. 207; p. 126.
- Game. J. E. Elkins. No. 1,100,549; June 16; Gaz. vol. 203; p. 828.
- Game. G. Gingras. No. 1,085,202; Jan. 27; Gaz. vol. 198; p. 744.
- Game. P. E. Johnson. No. 1,116,593; Nov. 10; Gaz. vol. 208; p. 430.
- Game. F. A. Johnston. No. 1,099,250; June 9; Gaz. vol. 203; p. 345.
- Game. E. F. Meyers. No. 1,099,563; June 9; Gaz. vol. 203; p. 453.
- Game. R. Purse. No. 1,099,615; June 9; Gaz. vol. 203; p. 470.
- Game. R. Seed. No. 1,095,934; May 5; Gaz. vol. 200; p. 257.
- Game. H. D. Thatcher. No. 1,106,991; Aug. 11; Gaz. vol. 205; p. 534.
- Game adjunct. J. W. Ames. No. 1,105,478; July 28; Gaz. vol. 204; p. 1269.
- Game apparatus. P. P. Au Buchon. No. 1,114,717; Oct. 27; Gaz. vol. 207; p. 941.
- Game apparatus. A. S. Bellamy. No. 1,119,673; Dec. 1; Gaz. vol. 209; p. 266.
- Game apparatus. F. J. L. Bollhorn. No. 1,093,909; Apr. 21; Gaz. vol. 201; p. 684.
- Game apparatus. S. F. Brown. No. 1,093,764; Apr. 21; Gaz. vol. 201; p. 634.
- Game apparatus. G. W. Bugbee. No. 1,098,879; June 2; Gaz. vol. 203; p. 177.
- Game apparatus. G. L. Buys. No. 1,101,250; June 23; Gaz. vol. 203; p. 1125.
- Game apparatus. F. M. Caler. No. 1,103,865; July 14; Gaz. vol. 204; p. 618.
- Game apparatus. L. Cory. No. 1,102,724; July 7; Gaz. vol. 204; p. 175.
- Game apparatus. E. C. Cusack. No. 1,109,203; Sept. 1; Gaz. vol. 206; p. 124.
- Game apparatus. L. W. Davis. No. 1,110,905; Sept. 15; Gaz. vol. 206; p. 808.
- Game apparatus. W. Drennan. No. 1,110,117; Sept. 8; Gaz. vol. 206; p. 489.
- Game apparatus. J. F. Dreyer. No. 1,121,989; Dec. 22; Gaz. vol. 209; p. 1196.
- Game apparatus. C. J. Dyer. No. 1,106,499; Aug. 11; Gaz. vol. 205; p. 362.
- Game apparatus. P. L. Elliott. No. 1,084,618; Jan. 20; Gaz. vol. 198; p. 509.
- Game apparatus. H. W. Falker. No. 1,091,739; Mar. 31; Gaz. vol. 200; p. 1214.
- Game apparatus. H. C. Forbes. No. 1,096,362; May 12; Gaz. vol. 202; p. 442.
- Game apparatus. A. J. and F. W. Gadbois. No. 1,107,776; Aug. 18; Gaz. vol. 205; p. 861.
- Game apparatus. H. L. Garrison. No. 1,116,583; Nov. 10; Gaz. vol. 208; p. 426.
- Game apparatus. F. W. Gibson. No. 1,092,642; Apr. 7; Gaz. vol. 201; p. 180.
- Game apparatus. L. J. Graff. No. 1,122,588; Dec. 29; Gaz. vol. 209; p. 1438.
- Game apparatus. J. F. Grenfell. No. 1,121,089; Dec. 15; Gaz. vol. 209; p. 846.
- Game apparatus. W. Grikscheit. No. 1,121,353; Dec. 15; Gaz. vol. 209; p. 937.
- Game apparatus. W. W. Hall. No. 1,102,501; July 7; Gaz. vol. 204; p. 97.
- Game apparatus. J. W. Hanley. No. 1,114,608; Oct. 20; Gaz. vol. 207; p. 851.
- Game apparatus. J. A. Hansen. No. 1,119,753; Dec. 1; Gaz. vol. 209; p. 291.
- Game apparatus. H. W. Harrison. No. 1,094,559; Apr. 28; Gaz. vol. 201; p. 961.
- Game apparatus. J. A. Healey. No. 1,102,986; July 7; Gaz. vol. 204; p. 263.
- Game apparatus. H. F. Hobden. No. 1,115,938; Nov. 3; Gaz. vol. 208; p. 161.
- Game apparatus. J. F. Hughes. No. 1,105,274; July 28; Gaz. vol. 204; p. 1195.
- Game apparatus. J. P. Keenan. No. 1,111,592; Sept. 22; Gaz. vol. 206; p. 1086.
- Game apparatus. A. J. Kempfen. No. 1,102,054; June 30; Gaz. vol. 203; p. 1456.
- Game apparatus. F. X. Kennedy. No. 1,087,587; Feb. 17; Gaz. vol. 199; p. 795.
- Game apparatus. W. G. Lake. No. 1,115,441; Oct. 27; Gaz. vol. 207; p. 1195.
- Game apparatus. G. C. Lasares. No. 1,087,956; Feb. 24; Gaz. vol. 199; p. 969.
- Game apparatus. E. A. Lefebvre. No. 1,098,513; June 2; Gaz. vol. 203; p. 55.
- Game apparatus. A. M. and A. M. Lockett, Jr. No. 1,086,189; Feb. 3; Gaz. vol. 199; p. 216.
- Game apparatus. H. D. McDonald. No. 1,116,459; Nov. 10; Gaz. vol. 208; p. 379.
- Game apparatus. P. J. McGrath and J. W. Hallowell. No. 1,117,136; Nov. 10; Gaz. vol. 208; p. 620.
- Game apparatus. H. B. Palmer. No. 1,093,577; Apr. 14; Gaz. vol. 201; p. 526.
- Game apparatus. H. B. Palmer. No. 1,098,680; June 2; Gaz. vol. 203; p. 110.
- Game apparatus. F. W. Phipps. No. 1,109,543; Sept. 1; Gaz. vol. 206; p. 240.
- Game apparatus. B. Purnell. No. 1,097,937; May 26; Gaz. vol. 202; p. 1075.
- Game apparatus. B. Purnell. No. 1,097,938; May 26; Gaz. vol. 202; p. 1076.
- Game apparatus. W. Raster. No. 1,119,452; Dec. 1; Gaz. vol. 209; p. 190.
- Game apparatus. I. Rathstein. No. 1,090,653; Mar. 17; Gaz. vol. 200; p. 771.
- Game apparatus. A. H. Rider. No. 1,096,266; May 12; Gaz. vol. 202; p. 409.
- Game apparatus. H. W. Ries and L. B. Brown. No. 1,102,954; July 7; Gaz. vol. 204; p. 253.
- Game apparatus. A. H. Revell. No. 1,114,523; Oct. 20; Gaz. vol. 207; p. 824.
- Game apparatus. W. O. Robinson. No. 1,098,641; June 2; Gaz. vol. 203; p. 98.
- Game apparatus. J. L. Ryan. No. 1,115,246; Oct. 27; Gaz. vol. 207; p. 1131.
- Game apparatus. J. Schuler and H. A. Overbeck. No. 1,098,462; June 2; Gaz. vol. 203; p. 37.
- Game apparatus. W. E. Scofield. No. 1,098,846; June 2; Gaz. vol. 203; p. 166.
- Game apparatus. W. S. Thorp. No. 1,095,436; May 5; Gaz. vol. 202; p. 89.
- Game apparatus. S. A. Vinton. No. 1,086,959; Feb. 10; Gaz. vol. 199; p. 526.
- Game apparatus. C. W. Voelpel, E. R. and J. M. Connor. No. 1,116,769; Nov. 10; Gaz. vol. 208; p. 492.
- Game apparatus. F. J. Waindle. No. 1,116,650; Nov. 10; Gaz. vol. 208; p. 451.
- Game apparatus. J. E. Watterson. No. 1,085,371; Jan. 27; Gaz. vol. 198; p. 804.
- Game apparatus. G. M. Weitzel. No. 1,112,243; Sept. 29; Gaz. vol. 206; p. 1349.
- Game apparatus. J. H. Williams. No. 1,101,980; June 30; Gaz. vol. 203; p. 1428.
- Game apparatus, Ball-. P. Bibeault. No. 1,118,727; Nov. 24; Gaz. vol. 208; p. 1258.
- Game apparatus, Base-ball-. W. McIlroy. No. 1,122,141; Dec. 22; Gaz. vol. 209; p. 1247.
- Game apparatus, Base-ball-. R. Williams. No. 1,120,579; Dec. 8; Gaz. vol. 209; p. 620.
- Game apparatus, Bowling-. W. J. Powell and S. M. Pontiere. No. 1,118,877; Nov. 24; Gaz. vol. 208; p. 1307.
- Game apparatus, Quoit-. J. L. Akerberg. No. 1,098,872; June 2; Gaz. vol. 203; p. 175.
- Game appliance. F. H. Hall. No. 1,103,579; July 14; Gaz. vol. 204; p. 518.
- Game, Automatic base-ball. C. A. Shepard. No. 1,088,184; Feb. 24; Gaz. vol. 199; p. 1049.
- Game, Ball. J. H. Noonan. No. 1,120,076; Dec. 8; Gaz. vol. 209; p. 440.
- Game-ball. L. Steinberger. No. 1,120,757; Dec. 15; Gaz. vol. 209; p. 730.
- Game, Ball. R. J. Trumbull. No. 1,096,208; May 12; Gaz. vol. 202; p. 387.
- Game, Base-ball. H. R. Cullmer. No. 1,086,279; Feb. 3; Gaz. vol. 199; p. 245.
- Game, Base-ball. C. M. Steele. No. 1,113,504; Oct. 13; Gaz. vol. 207; p. 426.
- Game, Base-ball. W. S. Wilson. No. 1,118,323; Nov. 24; Gaz. vol. 208; p. 1115.
- Game, Basket-ball. J. J. Briare. No. 1,115,893; Nov. 3; Gaz. vol. 208; p. 145.
- Game-board. W. A. Bailey. No. 1,092,006; Mar. 31; Gaz. vol. 200; p. 1305.
- Game-board. O. P. Breithut. No. 1,096,823; May 19; Gaz. vol. 202; p. 639.
- Game-board. W. M. Cook. No. 1,087,351; Feb. 17; Gaz. vol. 199; p. 711.
- Game-board. F. Kiefer. No. 1,102,594; July 7; Gaz. vol. 204; p. 131.
- Game-board. H. G. Newell. No. 1,106,052; Aug. 4; Gaz. vol. 205; p. 163.
- Game-board. J. R. Pettit. No. 1,119,870; Dec. 8; Gaz. vol. 209; p. 369.
- Game-board. C. O. Stevens. No. 1,095,433; May 5; Gaz. vol. 202; p. 89.
- Game-board. F. E. Wilson. No. 1,106,530; Aug. 11; Gaz. vol. 205; p. 373.
- Game board, Base-ball. R. F. Dengler. No. 1,092,979; Apr. 14; Gaz. vol. 201; p. 328.

Alphabetical list of inventions—Continued.

- Game board, Base-ball-. W. Lake. No. 1,112,919; Oct. 6; Gaz. vol. 207; p. 177.
- Game, Card. W. S. and C. B. Booton. No. 1,117,316; Nov. 17; Gaz. vol. 208; p. 725.
- Game, Card. J. W. Culp. No. 1,111,882; Sept. 29; Gaz. vol. 206; p. 1227.
- Game, Card. A. L. Doty. No. 1,087,737; Feb. 17; Gaz. vol. 199; p. 849.
- Game, Card. J. J. Ford. No. 1,107,417; Aug. 18; Gaz. vol. 205; p. 734.
- Game, Card-. W. T. Maddox. No. 1,119,183; Dec. 1; Gaz. vol. 209; p. 99.
- Game-counter. J. D. McCracken. No. 1,089,379; Mar. 3; Gaz. vol. 200; p. 239.
- Game device. R. Brewster. No. 1,116,555; Nov. 10; Gaz. vol. 208; p. 415.
- Game device. C. H. Gessner. No. 1,106,090; Aug. 4; Gaz. vol. 205; p. 177.
- Game device. S. Jaffa. No. 1,115,434; Oct. 27; Gaz. vol. 207; p. 1193.
- Game device, Indoor-. A. R. Lee. No. 1,097,035; May 19; Gaz. vol. 202; p. 715.
- Game, Educational. F. A. J. Hoffmann. No. 1,114,139; Oct. 20; Gaz. vol. 207; p. 685.
- Game, Golf. W. D. Lukens. No. 1,112,924; Oct. 6; Gaz. vol. 207; p. 179.
- Game-indicator. R. H. F. Variel, Jr. No. 1,114,945; Oct. 27; Gaz. vol. 207; p. 1024.
- Game, Lawn. J. Norton. No. 1,102,948; July 7; Gaz. vol. 204; p. 251.
- Game-playing apparatus. A. P. Lauster. No. 1,117,959; Nov. 17; Gaz. vol. 208; p. 949.
- Game, Puzzle-. J. J. Nordman. No. 1,119,309; Dec. 1; Gaz. vol. 209; p. 140.
- Game-registering device. H. West. No. 1,086,254; Feb. 3; Gaz. vol. 199; p. 237.
- Game-table. G. Almen. No. 1,098,701; June 2; Gaz. vol. 203; p. 118.
- Game-table. H. Millhouse. No. 1,117,587; Nov. 17; Gaz. vol. 208; p. 818.
- Game-trap. J. H. Shaw. No. 1,090,576; Mar. 17; Gaz. vol. 200; p. 746.
- Gang-plank. J. Bidlake. No. 1,106,074; Aug. 4; Gaz. vol. 205; p. 171.
- Garage. J. A. Varian. No. 1,102,828; July 7; Gaz. vol. 204; p. 212.
- Garbage and refuse incinerator. T. Kerner. No. 1,108,184; Aug. 25; Gaz. vol. 205; p. 1048.
- Garbage and sewage sludge, Treating. A. F. Matlack. No. 1,102,532; July 7; Gaz. vol. 204; p. 108.
- Garbage and waste receptacle. A. J. Jones. No. 1,101,286; June 23; Gaz. vol. 203; p. 1136.
- Garbage-can. A. Barash. No. 1,117,544; Nov. 17; Gaz. vol. 208; p. 803.
- Garbage-can. T. M. Dudgeon. No. 1,100,012; June 16; Gaz. vol. 203; p. 644.
- Garbage-can. T. A. Keen. No. 1,105,440; July 28; Gaz. vol. 204; p. 1256.
- Garbage-can. N. W. Lowe. No. 1,104,055; July 21; Gaz. vol. 204; p. 724.
- Garbage-can, Sanitary. H. Bachowski and R. Cohen. No. 1,115,375; Oct. 27; Gaz. vol. 207; p. 1173.
- Garbage-can, Sanitary. E. Cladel. No. 1,093,536; Apr. 14; Gaz. vol. 201; p. 514.
- Garbage-collecting vehicle. A. G. Sharp. No. 1,088,104; Feb. 24; Gaz. vol. 199; p. 1022.
- Garbage, Disposing of. A. H. Woollacott and L. H. Saxton. No. 1,099,330; June 9; Gaz. vol. 203; p. 373.
- Garbage holder and strainer. J. W. Pheils. No. 1,115,016; Oct. 27; Gaz. vol. 207; p. 1049.
- Garbage-incinerator. J. B. Harris. No. 1,101,925; June 30; Gaz. vol. 203; p. 1408.
- Garbage-incinerator. J. Prescott. No. 1,086,854; Feb. 10; Gaz. vol. 199; p. 492.
- Garbage-incinerator. J. Prescott. No. 1,093,356; Apr. 14; Gaz. vol. 201; p. 458.
- Garbage or other vegetable or animal matter, Treating. W. N. Morley. No. 1,096,854; May 19; Gaz. vol. 202; p. 651.
- Garbage-receiver and sink-strainer, Combined. A. G. Collins. No. 1,083,990; Jan. 13; Gaz. vol. 198; p. 271.
- Garbage-receptacle. H. B. Ball. No. 1,112,249; Sept. 29; Gaz. vol. 206; p. 1351.
- Garbage-receptacle. R. E. Kime. No. 1,102,275; July 7; Gaz. vol. 204; p. 19.
- Garbage-receptacle. J. W. Wilson. No. 1,090,364; Mar. 17; Gaz. vol. 200; p. 670.
- Garbage-receptacle and stand, Antiseptic waterproof. R. K. Milks. No. 1,121,387; Dec. 15; Gaz. vol. 209; p. 949.
- Garbage-receptacle, Sanitary. S. I. Segall. No. 1,092,752; Apr. 7; Gaz. vol. 201; p. 216.
- Garbage, Utilizing. J. M. W. Kitchen. No. 1,101,129; June 23; Gaz. vol. 203; p. 1083.
- Garden implement. C. Krabill. No. 1,120,062; Dec. 8; Gaz. vol. 209; p. 436.
- Garden implement. K. Tsuboi. No. 1,109,487; Sept. 1; Gaz. vol. 206; p. 222.
- Garden Implement. J. S. Ward. No. 1,089,298; Mar. 3; Gaz. vol. 200; p. 213.
- Garden-shears. L. C. Tunstead. No. 1,101,890; June 30; Gaz. vol. 203; p. 1396.
- Garment. E. Altman. No. 1,114,955; Oct. 27; Gaz. vol. 207; p. 1027.
- Garment. W. E. Barnes. No. 1,108,668; Aug. 25; Gaz. vol. 205; p. 1217.
- Garment. E. Caplan. No. 1,104,625; July 21; Gaz. vol. 204; p. 922.
- Garment. M. Cowen. No. 1,087,924; Feb. 24; Gaz. vol. 199; p. 956.
- Garment. I. F. Curry. No. 1,092,696; Apr. 7; Gaz. vol. 201; p. 196.
- Garment. S. C. Erlanger. No. 1,090,464; Mar. 17; Gaz. vol. 200; p. 707.
- Garment. A. L. Fink. No. 1,106,199; Aug. 4; Gaz. vol. 205; p. 215.
- Garment. B. I. Fligel. No. 1,099,031; June 2; Gaz. vol. 203; p. 227.
- Garment. H. Folkman. No. 1,084,000; Jan. 13; Gaz. vol. 198; p. 275.
- Garment. G. Gelormini. No. 1,091,211; Mar. 24; Gaz. vol. 200; p. 994.
- Garment. M. S. George. No. 1,104,185; July 21; Gaz. vol. 204; p. 769.
- Garment. A. Goldberg. No. 1,104,657; July 21; Gaz. vol. 204; p. 933.
- Garment. L. Goldfinger. No. 1,098,034; May 26; Gaz. vol. 202; p. 1110.
- Garment. M. A. Guinan. No. 1,122,737; Dec. 29; Gaz. vol. 209; p. 1492.
- Garment. L. H. Hays. No. 1,113,008; Oct. 6; Gaz. vol. 207; p. 207.
- Garment. W. E. Hebbard. No. 1,120,814; Dec. 15; Gaz. vol. 209; p. 749.
- Garment. E. C. Heyn. No. 1,113,992; Oct. 20; Gaz. vol. 207; p. 633.
- Garment. C. W. Hymer. No. 1,121,367; Dec. 15; Gaz. vol. 209; p. 942.
- Garment. S. Lipton. No. 1,110,304; Sept. 8; Gaz. vol. 206; p. 555.
- Garment. S. Lipton. No. 1,110,305; Sept. 8; Gaz. vol. 206; p. 556.
- Garment. A. Malsin. No. 1,119,296; Dec. 1; Gaz. vol. 209; p. 136.
- Garment. A. Mathias. No. 1,121,383; Dec. 15; Gaz. vol. 209; p. 948.
- Garment. W. P. McQuillen. No. 1,088,834; Mar. 3; Gaz. vol. 200; p. 55.
- Garment. A. Roth. No. 1,084,486; Jan. 13; Gaz. vol. 198; p. 434.
- Garment. K. Shakofsky. No. 1,084,970; Jan. 20; Gaz. vol. 198; p. 628.
- Garment. F. L. Smith. No. 1,111,975; Sept. 29; Gaz. vol. 206; p. 1256.
- Garment. W. M. Trainor. No. 1,120,985; Dec. 15; Gaz. vol. 209; p. 809.
- Garment. J. M. Vanneman. No. 1,092,677; Apr. 7; Gaz. vol. 201; p. 191.
- Garment. A. B. Wells and M. Blickhan. No. 1,118,913; Nov. 24; Gaz. vol. 208; p. 1319.
- Garment. C. H. Wells. No. 1,089,353; Mar. 3; Gaz. vol. 200; p. 230.
- Garment and cover supporter. L. A. Cohen. No. 1,098,663; June 2; Gaz. vol. 203; p. 105.
- Garment and making the same, Welted. R. W. Scott. (Reissue.) No. 13,751; June 16; Gaz. vol. 203; p. 882.
- Garment, Athletic. M. M. Henderson. No. 1,107,303; Aug. 18; Gaz. vol. 205; p. 691.
- Garment-bag. D. B. Falk. No. 1,101,421; June 23; Gaz. vol. 203; p. 1182.
- Garment-bag. H. E. and D. Goldberg. No. 1,097,544; May 19; Gaz. vol. 202; p. 891.
- Garment. Bifurcated. M. C. Greenewald. No. 1,097,425; May 19; Gaz. vol. 202; p. 851.
- Garment, Burial-. W. H. Blackford. No. 1,101,724; June 30; Gaz. vol. 203; p. 1337.
- Garment-cementing machines, Attachment for. S. Lipson. No. 1,089,236; Mar. 3; Gaz. vol. 200; p. 193.
- Garment, Child's. F. H. Sprague. No. 1,095,476; May 5; Gaz. vol. 202; p. 105.
- Garment-clasp. C. E. Ricks. No. 1,090,753; Mar. 17; Gaz. vol. 200; p. 801.
- Garment-clasp. M. Steinberg. No. 1,110,154; Sept. 8; Gaz. vol. 206; p. 503.
- Garment-clasp. F. R. Waterman. No. 1,113,522; Oct. 13; Gaz. vol. 207; p. 432.
- Garment-closure. A. Rosenfeld. No. 1,114,185; Oct. 20; Gaz. vol. 207; p. 703.
- Garment-closure. I. Scheinman. No. 1,118,155; Nov. 24; Gaz. vol. 208; p. 1057.
- Garment, Combination-. B. D. Leman. No. 1,102,520; July 7; Gaz. vol. 204; p. 104.
- Garment, Combination-. J. W. Nigh. No. 1,118,572; Nov. 24; Gaz. vol. 208; p. 1205.
- Garment, Combination-. M. Phillips. No. 1,109,015; Sept. 1; Gaz. vol. 206; p. 56.
- Garment, Combination-. M. J. Shaughnessy. No. 1,119,994; Dec. 8; Gaz. vol. 209; p. 412.
- Garment construction. J. S. Wojtalewicz. No. 1,098,868; June 2; Gaz. vol. 203; p. 173.

Alphabetical list of inventions—Continued.

- Garment-cutting apparatus. G. M. Laub. No. 1,103,364; July 14; Gaz. vol. 204; p. 444.
- Garment-exhibiting apparatus. F. T. Barton and O. Hen-son. No. 1,088,958; Mar. 3; Gaz. vol. 200; p. 99.
- Garment-fastener. J. Brell. No. 1,103,651; July 14; Gaz. vol. 204; p. 546.
- Garment-fastener. S. German. No. 1,109,215; Sept. 1; Gaz. vol. 206; p. 127.
- Garment-fastener. W. H. Palmer. No. 1,117,697; Nov. 17; Gaz. vol. 208; p. 859.
- Garment-fastener, Flexible. M. M. Schell. No. 1,108,796; Aug. 25; Gaz. vol. 205; p. 1259.
- Garment-fastening hook. E. E. Howell. No. 1,108,178; Aug. 25; Gaz. vol. 205; p. 1046.
- Garment-fitting device. C. H. Smoot. No. 1,087,992; Feb. 24; Gaz. vol. 199; p. 982.
- Garment-hanger. A. H. Anderson. No. 1,119,135; Dec. 1; Gaz. vol. 209; p. 82.
- Garment-hanger. J. G. Brenner. No. 1,104,099; July 21; Gaz. vol. 204; p. 740.
- Garment-hanger. A. Buchwald. No. 1,096,018; May 12; Gaz. vol. 202; p. 323.
- Garment-hanger. D. M. Cooper. No. 1,087,159; Feb. 17; Gaz. vol. 199; p. 644.
- Garment-hanger. E. H. Davis. No. 1,101,837; June 30; Gaz. vol. 203; p. 1377.
- Garment-hanger. O. Fogde. No. 1,111,147; Sept. 22; Gaz. vol. 206; p. 934.
- Garment-hanger. N. Goldsmith. No. 1,097,755; May 26; Gaz. vol. 202; p. 1010.
- Garment-hanger. E. Jenoi and S. Nagy. No. 1,113,640; Oct. 13; Gaz. vol. 207; p. 470.
- Garment-hanger. L. Kalina. No. 1,114,002; Oct. 20; Gaz. vol. 207; p. 637.
- Garment-hanger. A. Lemke. No. 1,105,981; Aug. 4; Gaz. vol. 205; p. 138.
- Garment-hanger. E. Neils. No. 1,116,612; Nov. 10; Gaz. vol. 208; p. 437.
- Garment-hanger. A. Oppenheim and E. Cleary. No. 1,111,855; Sept. 29; Gaz. vol. 206; p. 1217.
- Garment-hanger. A. Radwan. No. 1,122,304; Dec. 29; Gaz. vol. 209; p. 1343.
- Garment-hanger. J. Routstone. No. 1,114,294; Oct. 20; Gaz. vol. 207; p. 742.
- Garment-hanger. J. A. Shea. No. 1,115,116; Oct. 27; Gaz. vol. 207; p. 1085.
- Garment-hanger. C. E. Slye. No. 1,086,863; Feb. 10; Gaz. vol. 199; p. 495.
- Garment-hanger. E. J. Snell. No. 1,113,061; Oct. 6; Gaz. vol. 207; p. 224.
- Garment-hanger. M. E. Thomas. No. 1,089,882; Mar. 10; Gaz. vol. 200; p. 462.
- Garment-hanger. C. L. Warren. No. 1,098,339; May 26; Gaz. vol. 202; p. 1215.
- Garment-hanger and box therefor. W. J. O'Donnell. No. 1,094,087; Apr. 21; Gaz. vol. 201; p. 743.
- Garment hanger and stretcher. A. E. Bluhm. No. 1,105,018; July 28; Gaz. vol. 204; p. 1106.
- Garment hanger and stretcher, Combined. A. E. Bluhm. No. 1,105,019; July 28; Gaz. vol. 204; p. 1106.
- Garment-hanger attachment. A. Ek. No. 1,118,750; Nov. 24; Gaz. vol. 208; p. 1265.
- Garment-hanger, Combination. A. Kruszewski. No. 1,111,472; Sept. 22; Gaz. vol. 206; p. 1045.
- Garment-hanger, Combined. S. Rataiczky. No. 1,108,621; Aug. 25; Gaz. vol. 205; p. 1202.
- Garment-hanger, Folding. J. Olson. No. 1,101,088; June 23; Gaz. vol. 203; p. 1070.
- Garment-hanger, Portable. E. H. M. J. F. Forlong. No. 1,104,180; July 21; Gaz. vol. 204; p. 768.
- Garment-hanger support. A. Wolf. No. 1,093,232; Apr. 14; Gaz. vol. 201; p. 416.
- Garment-hanger support, Collapsible. A. L. Mann. No. 1,107,624; Aug. 18; Gaz. vol. 205; p. 806.
- Garment-hook. L. K. Engle. No. 1,116,046; Nov. 3; Gaz. vol. 208; p. 198.
- Garment-hook. W. J. Galt, Jr. No. 1,085,118; Jan. 27; Gaz. vol. 198; p. 715.
- Garment-hook. W. London. No. 1,100,588; June 16; Gaz. vol. 203; p. 840.
- Garment-hook. J. Mohlberg. No. 1,102,785; July 7; Gaz. vol. 204; p. 196.
- Garment-hook. J. P. Williams. No. 1,083,314; Jan. 6; Gaz. vol. 198; p. 19.
- Garment, Infant's. H. Burkland. No. 1,119,399; Dec. 1; Gaz. vol. 209; p. 173.
- Garment, Lady's. A. Malsin. No. 1,119,298; Dec. 1; Gaz. vol. 209; p. 137.
- Garment-lock. J. Pochodzaj. No. 1,113,687; Oct. 13; Gaz. vol. 207; p. 487.
- Garment-neckband. H. Friedmann. No. 1,102,490; July 7; Gaz. vol. 204; p. 94.
- Garment, Nursing-. A. H. Knapp. No. 1,098,155; May 26; Gaz. vol. 202; p. 1151.
- Garment, Parachute-. M. Slawinska. No. 1,120,165; Dec. 8; Gaz. vol. 209; p. 472.
- Garment-press. B. R. Peoples. No. 1,111,969; Sept. 29; Gaz. vol. 206; p. 1253.
- Garment-pressing machine. D. C. Hale, Jr. No. 1,117,037; Nov. 10; Gaz. vol. 208; p. 586.
- Garment-pressing machine. N. Nelson. No. 1,097,138; May 19; Gaz. vol. 202; p. 752.
- Garment-pressing machine. T. D. Palmer. No. 1,105,530; July 28; Gaz. vol. 204; p. 1287.
- Garment-pressing machine. T. D. Palmer. No. 1,114,645; Oct. 20; Gaz. vol. 207; p. 864.
- Garment, Protective. H. G. Dinn. No. 1,095,089; Apr. 28; Gaz. vol. 201; p. 1147.
- Garment-protector, Sanitary. V. Guinzburg. No. 1,093,616; Apr. 21; Gaz. vol. 201; p. 584.
- Garment-rack, Locked. J. Klimczyk. No. 1,118,497; Nov. 24; Gaz. vol. 208; p. 1179.
- Garment-receptacle. E. W. Plegler and W. M. Wellmann. No. 1,119,986; Dec. 8; Gaz. vol. 209; p. 409.
- Garment receptacle and hanger. I. H. Lyons and R. J. Gruenberg. No. 1,084,216; Jan. 13; Gaz. vol. 198; p. 349.
- Garment-retainer. F. D. Cotner. No. 1,084,929; Jan. 20; Gaz. vol. 198; p. 615.
- Garment-stretcher. H. H. Anderson. No. 1,096,145; May 12; Gaz. vol. 202; p. 367.
- Garment-stretcher. D. G. Finley. No. 1,101,792; June 30; Gaz. vol. 203; p. 1362.
- Garment-supporter. M. E. L. Bergen. No. 1,109,956; Sept. 8; Gaz. vol. 206; p. 430.
- Garment-supporter. A. H. Fleming. No. 1,090,040; Mar. 10; Gaz. vol. 200; p. 516.
- Garment-supporter. J. B. Gathright. No. 1,117,025; Nov. 10; Gaz. vol. 208; p. 582.
- Garment-supporter. S. Leibel. No. 1,105,282; July 28; Gaz. vol. 204; p. 1198.
- Garment-supporter. W. J. Molloy. No. 1,106,886; Aug. 11; Gaz. vol. 205; p. 499.
- Garment-supporter. G. H. Wilson. No. 1,107,126; Aug. 11; Gaz. vol. 205; p. 579.
- Garment-supporter. T. Wolf. No. 1,120,990; Dec. 15; Gaz. vol. 209; p. 810.
- Garment-supporter trimming. E. N. Humphrey. No. 1,085,580; Jan. 27; Gaz. vol. 198; p. 872.
- Garment-supporting fixture. J. V. Meyering. No. 1,099,881; June 9; Gaz. vol. 203; p. 561.
- Garment-suspenders. H. J. Gaisman. No. 1,084,003; Jan. 13; Gaz. vol. 198; p. 276.
- Garment-taping machine. E. H. Newcomb. No. 1,107,097; Aug. 11; Gaz. vol. 205; p. 569.
- Garment, Trial or fitting. J. Scribante. No. 1,121,410; Dec. 15; Gaz. vol. 209; p. 956.
- Garment-turner. W. H. Stedman. No. 1,100,203; June 16; Gaz. vol. 203; p. 710.
- Garment, Union. L. W. Farquhar. No. 1,084,418; Jan. 13; Gaz. vol. 198; p. 413.
- Garment, Union. J. A. MacPherson, Jr. No. 1,099,755; June 9; Gaz. vol. 203; p. 518.
- Garment, Union. G. J. Oltsch. No. 1,109,010; Sept. 1; Gaz. vol. 206; p. 54.
- Garment, Union. J. A. Scriven. No. 1,102,299; July 7; Gaz. vol. 204; p. 27.
- Garment-waist adjuster. A. K. Hurst. No. 1,094,654; Apr. 28; Gaz. vol. 201; p. 996.
- Garment, Weatherproof. S. Lipman. No. 1,121,515; Dec. 15; Gaz. vol. 209; p. 993.
- Garment-weight. A. Morley. No. 1,098,678; June 2; Gaz. vol. 203; p. 110.
- Garment-weight. A. Morley. No. 1,110,075; Sept. 8; Gaz. vol. 206; p. 472.
- Garment-weight. S. Paull. No. 1,099,931; June 16; Gaz. vol. 203; p. 615.
- Garment-weight. M. E. Roarke. No. 1,102,438; July 7; Gaz. vol. 204; p. 76.
- Garment, Woman's. A. L. Greenwood. No. 1,121,010; Dec. 15; Gaz. vol. 209; p. 818.
- Garment, Working-. D. W. Mitchell and F. Jewell. No. 1,087,037; Feb. 10; Gaz. vol. 199; p. 550.
- Garments, Lining-fitting for ladies'. S. Paull. No. 1,099,930; June 16; Gaz. vol. 203; p. 615.
- Garter. J. C. Speedy. No. 1,095,746; May 5; Gaz. vol. 202; p. 196.
- Garter. F. C. Zobel. No. 1,101,609; June 30; Gaz. vol. 203; p. 1300.
- Garter-container. I. Morgenstern. No. 1,112,642; Oct. 6; Gaz. vol. 207; p. 83.
- Garter-fastener. A. B. Beck. No. 1,094,112; Apr. 21; Gaz. vol. 201; p. 751.
- Garter-fastener. C. P. Kuehn. No. 1,096,545; May 12; Gaz. vol. 202; p. 503.
- Garter-package. F. A. Freeman. (Reissue.) No. 13,701; Mar. 17; Gaz. vol. 200; p. 830.
- Gas. F. P. Peterson. No. 1,094,864; Apr. 28; Gaz. vol. 201; p. 1070.
- Gas-analysis apparatus. E. J. Billings. No. 1,089,390; Mar. 10; Gaz. vol. 200; p. 290.
- Gas-analysis apparatus, Automatic. C. W. Heath. No. 1,121,244; Dec. 15; Gaz. vol. 209; p. 899.
- Gas analysis, Apparatus for automatic. H. J. Westover. No. 1,111,815; Sept. 29; Gaz. vol. 206; p. 1202.
- Gas and air burning burner. J. W. Fennel. No. 1,097,085; May 19; Gaz. vol. 202; p. 734.
- Gas and air burning burner. J. W. Fennel. No. 1,097,086; May 19; Gaz. vol. 202; p. 734.
- Gas and air mixer. T. H. Hollis. No. 1,112,066; Sept. 29; Gaz. vol. 206; p. 1286.

Alphabetical list of inventions—Continued.

- Gas and air mixer. W. B. McSorley. No. 1,105,987; Aug. 4; Gaz. vol. 205; p. 140.
- Gas and coal burning furnace. C. R. Stedman. No. 1,113,379; Oct. 13; Gaz. vol. 207; p. 381.
- Gas and coke, Manufacturing coal-. W. P. Parsons. No. 1,092,950; Apr. 14; Gaz. vol. 201; p. 318.
- Gas and gasoline engine. C. W. Dehn. No. 1,095,196; May 5; Gaz. vol. 202; p. 8.
- Gas and oil burner. W. A. Hines, W. J. Curry, J. D. Miskelly, and S. A. Marshall. No. 1,112,797; Oct. 6; Gaz. vol. 207; p. 136.
- Gas and oil, Conserving natural. T. W. Wright. No. 1,101,605; June 30; Gaz. vol. 203; p. 1298.
- Gas and the like, Making containers for. E. E. Slick and J. H. Nicholson. No. 1,084,115; Jan. 13; Gaz. vol. 198; p. 314.
- Gas and the like registering meter. W. H. Fulweiler. No. 1,107,600; Aug. 18; Gaz. vol. 205; p. 798.
- Gas, Apparatus for blowing acid. R. B. Wolf. No. 1,097,784; May 26; Gaz. vol. 202; p. 1021.
- Gas, Apparatus for making sulfur-dioxid. J. G. Jones. No. 1,097,177; May 19; Gaz. vol. 202; p. 765.
- Gas, Apparatus for manufacturing carbureted. W. J. Watkins. No. 1,116,653; Nov. 10; Gaz. vol. 208; p. 453.
- Gas, Apparatus for obtaining combustible. G. Constantinescu. No. 1,111,995; Sept. 29; Gaz. vol. 206; p. 1262.
- Gas, Apparatus for the manufacture of coal-. R. C. Congdon. No. 1,090,813; Mar. 17; Gaz. vol. 200; p. 823.
- Gas, Apparatus for the manufacture of coal-. R. C. Congdon. No. 1,099,639; June 9; Gaz. vol. 203; p. 479.
- Gas, Apparatus for the manufacture of water-. A. G. Glasgow. No. 1,115,065; Oct. 27; Gaz. vol. 207; p. 1066.
- Gas-boiler. C. H. Hook. No. 1,089,131; Mar. 3; Gaz. vol. 200; p. 158.
- Gas-booster. F. L. Rumble and W. E. Volz. No. 1,122,804; Dec. 29; Gaz. vol. 209; p. 1516.
- Gas-burner. D. Anderson. No. 1,095,540; May 5; Gaz. vol. 202; p. 127.
- Gas-burner. E. B. Babcock. No. 1,101,233; June 23; Gaz. vol. 203; p. 1119.
- Gas-burner. G. W. Blakesley. No. 1,087,426; Feb. 17; Gaz. vol. 199; p. 739.
- Gas-burner. C. F. Brand. No. 1,095,795; May 5; Gaz. vol. 202; p. 213.
- Gas-burner. F. M. Brooks. No. 1,104,473; July 21; Gaz. vol. 204; p. 868.
- Gas-burner. W. L. Brooks. No. 1,121,464; Dec. 15; Gaz. vol. 209; p. 975.
- Gas-burner. H. J. Bubenheim. No. 1,119,569; Dec. 1; Gaz. vol. 209; p. 231.
- Gas-burner. J. E. Carnahan. No. 1,105,250; July 28; Gaz. vol. 204; p. 1187.
- Gas-burner. G. B. Cobb, Jr. No. 1,103,566; July 14; Gaz. vol. 204; p. 513.
- Gas-burner. C. F. Cole and Q. Carr. No. 1,103,397; July 14; Gaz. vol. 204; p. 454.
- Gas-burner. J. Ellis. No. 1,093,772; Apr. 21; Gaz. vol. 201; p. 636.
- Gas-burner. B. A. Geurink. No. 1,096,426; May 12; Gaz. vol. 202; p. 463.
- Gas-burner. E. F. Gwynn. No. 1,122,740; Dec. 29; Gaz. vol. 209; p. 1493.
- Gas-burner. W. Hawks. No. 1,113,339; Oct. 13; Gaz. vol. 207; p. 366.
- Gas-burner. J. Hicks. No. 1,102,751; July 7; Gaz. vol. 204; p. 185.
- Gas-burner. J. W. Higgins. No. 1,105,780; Aug. 4; Gaz. vol. 205; p. 68.
- Gas-burner. G. B. Killam. No. 1,091,663; Mar. 31; Gaz. vol. 200; p. 1188.
- Gas-burner. B. E. Meacham. No. 1,108,773; Aug. 25; Gaz. vol. 205; p. 1252.
- Gas-burner. F. H. Oehlke. No. 1,114,021; Oct. 20; Gaz. vol. 207; p. 643.
- Gas-burner. W. W. Ogden. No. 1,091,755; Mar. 21; Gaz. vol. 200; p. 1220.
- Gas-burner. R. T. Parisen. No. 1,116,912; Nov. 10; Gaz. vol. 208; p. 543.
- Gas-burner. A. S. Plowman. No. 1,096,389; May 12; Gaz. vol. 202; p. 450.
- Gas-burner. W. S. Reamer. No. 1,122,639; Dec. 29; Gaz. vol. 209; p. 1458.
- Gas-burner. A. B. Shaw. No. 1,115,595; Nov. 3; Gaz. vol. 208; p. 43.
- Gas-burner. L. Stockstrom and H. H. Parpert. No. 1,091,253; Mar. 24; Gaz. vol. 200; p. 1003.
- Gas-burner. A. F. Thompson. No. 1,099,829; June 9; Gaz. vol. 203; p. 542.
- Gas-burner. H. F. Wierum. No. 1,109,272; Sept. 1; Gaz. vol. 206; p. 148.
- Gas-burner and grate-bar, Combined. C. H. and C. H. Miller. No. 1,108,207; Aug. 25; Gaz. vol. 205; p. 1057.
- Gas-burner and water-heater. J. A. Frisk. No. 1,089,204; Mar. 3; Gaz. vol. 200; p. 183.
- Gas-burner and water-heater, Combined. M. H. Cohen. No. 1,107,038; Aug. 11; Gaz. vol. 205; p. 548.
- Gas-burner attachment. T. B. Holderness. No. 1,100,371; June 16; Gaz. vol. 203; p. 768.
- Gas-burner cleaner. H. Van Hovenberg. No. 1,112,176; Sept. 29; Gaz. vol. 206; p. 1325.
- Gas-burner-controlling device. H. C. Yingling. No. 1,092,686; Apr. 7; Gaz. vol. 201; p. 193.
- Gas-burner for blast-furnace gases. H. Keibel. No. 1,083,496; Jan. 6; Gaz. vol. 198; p. 78.
- Gas burner, Hydrocarbon-oil-. W. H. Brumley. No. 1,097,525; May 19; Gaz. vol. 202; p. 884.
- Gas burner, Kerosene-. B. J. Miller and W. F. Day. No. 1,119,096; Dec. 1; Gaz. vol. 209; p. 69.
- Gas-burner mechanism. J. B. Anderson. No. 1,099,481; June 9; Gaz. vol. 203; p. 424.
- Gas burner, Oil-. W. R. Thatcher. No. 1,122,817; Dec. 29; Gaz. vol. 209; p. 1521.
- Gas-burner, Safety. J. Gáspár. No. 1,105,027; July 28; Gaz. vol. 204; p. 1109.
- Gas-burner, Safety. H. Menten. No. 1,109,537; Sept. 1; Gaz. vol. 206; p. 238.
- Gas-burner, Safety. D. J. Wallace. No. 1,113,076; Oct. 6; Gaz. vol. 207; p. 229.
- Gas-burner tip. P. Keller. No. 1,095,280; May 5; Gaz. vol. 202; p. 36.
- Gas-burner valve. E. S. Allen. No. 1,091,108; Mar. 24; Gaz. vol. 200; p. 957.
- Gas-burner valve. M. P. Stevens. No. 1,095,295; May 5; Gaz. vol. 202; p. 42.
- Gas-burners, Automatic cut-off for. H. S. Leinss. No. 1,098,670; June 2; Gaz. vol. 203; p. 107.
- Gas-burners, Igniting attachment for. T. J. Little, Jr. No. 1,087,125; Feb. 17; Gaz. vol. 199; p. 633.
- Gas-burning furnace. E. F. Gwynn. No. 1,122,739; Dec. 29; Gaz. vol. 209; p. 1492.
- Gas, Carbonizing and superheating. A. Berglof. No. 1,085,096; Jan. 20; Gaz. vol. 198; p. 671.
- Gas-compressor. R. A. Hayes. No. 1,101,929; June 30; Gaz. vol. 203; p. 1410.
- Gas-compressor-driving mechanism. C. W. Miles. No. 1,096,790; May 12; Gaz. vol. 202; p. 584.
- Gas-container. E. E. Slick and J. H. Nicholson. No. 1,084,116; Jan. 13; Gaz. vol. 198; p. 315.
- Gas-controller, Automatic. H. G. Krager. No. 1,112,707; Oct. 6; Gaz. vol. 207; p. 106.
- Gas controlling and lighting mechanism. H. B. Steele. No. 1,096,277; May 12; Gaz. vol. 202; p. 412.
- Gas-controlling mechanism. G. A. Robertshaw. No. 1,107,549; Aug. 18; Gaz. vol. 205; p. 778.
- Gas conveyer, Exhaust-. H. W. Crane. No. 1,112,681; Oct. 6; Gaz. vol. 207; p. 97.
- Gas-currents, Apparatus for trapping particles in suspension in. T. E. Murray. No. 1,103,995; July 21; Gaz. vol. 204; p. 703.
- Gas-currents, Apparatus for trapping solid particles in suspension in. T. E. Murray. No. 1,087,970; Feb. 24; Gaz. vol. 199; p. 974.
- Gas-currents, Apparatus for trapping solid particles in suspension in. T. E. Murray. No. 1,090,490; Mar. 17; Gaz. vol. 200; p. 716.
- Gas cut-off, Automatic. G. S. K. Swift. No. 1,084,911; Jan. 20; Gaz. vol. 198; p. 609.
- Gas cut-off, Automatic. S. Tagliamonte. No. 1,097,482; May 19; Gaz. vol. 202; p. 871.
- Gas cut-off for water-heaters, Thermostatic. B. E. Meacham. No. 1,108,772; Aug. 25; Gaz. vol. 205; p. 1251.
- Gas cut-off, Safety. R. A. Waxler. No. 1,091,991; Mar. 31; Gaz. vol. 200; p. 1301.
- Gas desiccation. J. F. M. Patitz. No. 1,113,682; Oct. 13; Gaz. vol. 207; p. 485.
- Gas, Device for generating a sterilizing-. R. A. Kiefer. No. 1,101,078; June 23; Gaz. vol. 203; p. 1066.
- Gas, Device for indicating naphthalene in illuminating-. E. S. Deville. No. 1,100,231; June 16; Gaz. vol. 203; p. 719.
- Gas-distributer, Automatic. V. H. Slinack. No. 1,090,798; Mar. 17; Gaz. vol. 200; p. 817.
- Gas-distributing system. G. F. Schmidt. No. 1,095,424; May 5; Gaz. vol. 202; p. 85.
- Gas-drip alarm device, Automatic electric. C. H. Stevick. No. 1,121,416; Dec. 15; Gaz. vol. 209; p. 959.
- Gas-drying apparatus. C. H. Leinert. No. 1,093,869; Apr. 21; Gaz. vol. 201; p. 669.
- Gas-engine. B. M. Aslakson. No. 1,104,337; July 21; Gaz. vol. 204; p. 821.
- Gas-engine. D. H. Bennett. No. 1,118,178; Nov. 24; Gaz. vol. 208; p. 1064.
- Gas-engine. J. W. Broderick. No. 1,100,212; June 16; Gaz. vol. 203; p. 713.
- Gas-engine. C. E. Brooks. No. 1,096,594; May 12; Gaz. vol. 202; p. 519.
- Gas-engine. W. E. Brown. No. 1,117,319; Nov. 17; Gaz. vol. 208; p. 726.
- Gas-engine. D. R. Byram. No. 1,099,016; June 2; Gaz. vol. 203; p. 222.
- Gas-engine. C. E. Frederickson. No. 1,094,431; Apr. 28; Gaz. vol. 201; p. 915.
- Gas-engine. G. Gehrandt. No. 1,114,132; Oct. 20; Gaz. vol. 207; p. 683.
- Gas-engine. J. Hammell. No. 1,108,987; Sept. 1; Gaz. vol. 206; p. 46.
- Gas-engine. C. E. Hathaway. No. 1,112,371; Sept. 29; Gaz. vol. 206; p. 1393.

Alphabetical list of inventions—Continued.

- Gas-engine. L. Illmer, Jr. No. 1,089,132; Mar. 3; Gaz. vol. 200; p. 159.
- Gas-engine. J. B. Jensen. No. 1,094,658; Apr. 28; Gaz. vol. 201; p. 998.
- Gas-engine. C. E. Johnson. No. 1,095,875; May 5; Gaz. vol. 202; p. 239.
- Gas-engine. R. Kelly. No. 1,108,372; Aug. 25; Gaz. vol. 205; p. 1115.
- Gas-engine. S. S. Krayner. No. 1,096,544; May 12; Gaz. vol. 202; p. 502.
- Gas-engine. C. A. Lundy. No. 1,091,854; Mar. 31; Gaz. vol. 200; p. 1256.
- Gas-engine. C. A. Lundy. No. 1,092,113; Mar. 31; Gaz. vol. 200; p. 1342.
- Gas-engine. G. E. McElroy. (Reissue.) No. 13,843; Dec. 8; Gaz. vol. 209; p. 650.
- Gas-engine. J. McIntosh. No. 1,113,456; Oct. 13; Gaz. vol. 207; p. 408.
- Gas-engine. F. D. Moss. No. 1,122,529; Dec. 29; Gaz. vol. 209; p. 1419.
- Gas-engine. S. I. Prescott. No. 1,114,034; Oct. 20; Gaz. vol. 207; p. 647.
- Gas-engine. L. Snell. No. 1,121,682; Dec. 22; Gaz. vol. 209; p. 1089.
- Gas-engine. P. Sumbler. No. 1,101,352; June 23; Gaz. vol. 203; p. 1159.
- Gas-engine. W. I. Twombly. No. 1,102,457; July 7; Gaz. vol. 204; p. 83.
- Gas-engine. H. Van Vleck. No. 1,118,975; Dec. 1; Gaz. vol. 209; p. 24.
- Gas-engine. M. Weisser. No. 1,099,955; June 16; Gaz. vol. 203; p. 624.
- Gas-engine. H. F. Will. No. 1,089,173; Mar. 3; Gaz. vol. 200; p. 174.
- Gas-engine. J. H. Williams. No. 1,096,878; May 19; Gaz. vol. 202; p. 658.
- Gas-engine. Oscillating. J. T. and C. W. Kemper. No. 1,094,794; Apr. 28; Gaz. vol. 201; p. 1045.
- Gas-engine. Revolving-cylinder. G. A. Wendt. No. 1,111,048; Sept. 22; Gaz. vol. 206; p. 899.
- Gas-engine, Rotary. N. E. Houser. No. 1,119,699; Dec. 1; Gaz. vol. 209; p. 275.
- Gas-engine, Rotary. E. B. Smith. No. 1,086,095; Feb. 3; Gaz. vol. 199; p. 185.
- Gas-engine, Rotary-cylinder. R. S. Moore. No. 1,093,349; Apr. 14; Gaz. vol. 201; p. 455.
- Gas-engine, Two-cycle. G. W. Rhodes. No. 1,111,495; Sept. 22; Gaz. vol. 206; p. 1053.
- Gas explosions in coal-mines, Means to prevent. H. Hall. No. 1,119,427; Dec. 1; Gaz. vol. 209; p. 182.
- Gas-extinguisher, Automatic. E. H. Hawley. No. 1,088,987; Mar. 3; Gaz. vol. 200; p. 108.
- Gas-extinguisher, Automatic. M. W. Weaver. No. 1,122,827; Dec. 29; Gaz. vol. 209; p. 1525.
- Gas, Extracting ammonia and sulfur compounds from. J. W. Cobb. No. 1,108,705; Aug. 25; Gaz. vol. 205; p. 1229.
- Gas-fixture. J. T. Baker. No. 1,113,862; Oct. 13; Gaz. vol. 207; p. 550.
- Gas-fixture. H. Lyon. No. 1,115,847; Nov. 3; Gaz. vol. 208; p. 129.
- Gas from a distance, Ratchet mechanism for reversible apparatus for lighting. H. Menzel. No. 1,109,350; Sept. 1; Gaz. vol. 206; p. 176.
- Gas from bituminous fuel, Producing. O. C. Berry. No. 1,116,216; Nov. 3; Gaz. vol. 208; p. 256.
- Gas from oil, Making. W. A. Hall. No. 1,105,772; Aug. 4; Gaz. vol. 205; p. 65.
- Gas-furnace. B. C. Bartlebaugh. No. 1,110,867; Sept. 15; Gaz. vol. 206; p. 794.
- Gas-furnace. A. E. Hall. No. 1,099,876; June 9; Gaz. vol. 203; p. 559.
- Gas-generating apparatus. D. D. Barnum and H. A. Carpenter. No. 1,091,111; Mar. 24; Gaz. vol. 200; p. 959.
- Gas-generating apparatus. F. D. Shaw. No. 1,098,412; June 2; Gaz. vol. 203; p. 19.
- Gas-generating apparatus, Coal-. H. A. Carpenter and D. D. Barnum. No. 1,122,683; Dec. 29; Gaz. vol. 209; p. 1475.
- Gas-generating system. U. H. Deering. No. 1,111,140; Sept. 22; Gaz. vol. 206; p. 931.
- Gas-generator. G. Akerlund. No. 1,115,268; Oct. 27; Gaz. vol. 207; p. 1138.
- Gas-generator. D. D. Barnum. No. 1,100,941; June 23; Gaz. vol. 203; p. 1019.
- Gas-generator. C. J. Cleifton. No. 1,112,597; Oct. 6; Gaz. vol. 207; p. 66.
- Gas-generator. H. W. Hamilton. No. 1,114,984; Oct. 27; Gaz. vol. 207; p. 1037.
- Gas-generator. F. Krauss. No. 1,095,217; May 5; Gaz. vol. 202; p. 16.
- Gas-generator. G. P. Luedke. No. 1,121,516; Dec. 15; Gaz. vol. 209; p. 993.
- Gas-generator. L. Van Vliet and F. O'Neil. No. 1,094,762; Apr. 28; Gaz. vol. 201; p. 1035.
- Gas-generator. J. C. Walton. No. 1,118,319; Nov. 24; Gaz. vol. 208; p. 1113.
- Gas-generator. D. R. Way. No. 1,094,280; Apr. 21; Gaz. vol. 201; p. 806.
- Gas generator, Acetylene-. C. H. Abbott. No. 1,117,745; Nov. 17; Gaz. vol. 208; p. 876.
- Gas generator, Acetylene-. W. Banwarth. No. 1,085,005; Jan. 20; Gaz. vol. 198; p. 640.
- Gas generator, Acetylene-. R. L. Beck. No. 1,085,008; Jan. 20; Gaz. vol. 198; p. 641.
- Gas generator, Acetylene-. R. L. Beck. No. 1,100,237; June 23; Gaz. vol. 203; p. 1121.
- Gas generator, Acetylene-. C. H. Canfield. No. 1,107,030; Aug. 11; Gaz. vol. 205; p. 546.
- Gas generator, Acetylene-. U. M. Caudell. No. 1,103,561; July 14; Gaz. vol. 204; p. 511.
- Gas generator, Acetylene-. A. Duls. No. 1,088,064; Feb. 24; Gaz. vol. 199; p. 1007.
- Gas generator, Acetylene-. Z. A. and F. P. Ferrel. No. 1,116,404; Nov. 10; Gaz. vol. 208; p. 360.
- Gas generator, Acetylene-. J. K. Hawkins. No. 1,113,989; Oct. 20; Gaz. vol. 207; p. 632.
- Gas generator, Acetylene-. K. W. Hollingsworth. No. 1,089,218; Mar. 3; Gaz. vol. 200; p. 188.
- Gas generator, Acetylene-. J. G. von Jenison. No. 1,095,755; May 5; Gaz. vol. 202; p. 199.
- Gas generator, Acetylene-. R. N. Karnes. No. 1,084,443; Jan. 13; Gaz. vol. 198; p. 421.
- Gas generator, Acetylene-. J. Kohner. No. 1,117,058; Nov. 10; Gaz. vol. 208; p. 592.
- Gas generator, Acetylene-. A. L. Leach. No. 1,090,994; Mar. 24; Gaz. vol. 200; p. 918.
- Gas generator, Acetylene-. J. B. Lee. No. 1,108,197; Aug. 25; Gaz. vol. 205; p. 1054.
- Gas generator, Acetylene-. Z. McVay. No. 1,094,003; Apr. 21; Gaz. vol. 201; p. 715.
- Gas generator, Acetylene-. H. O'Meara. No. 1,111,230; Sept. 22; Gaz. vol. 206; p. 962.
- Gas generator, Acetylene-. D. G. Putnam and G. Boersma. No. 1,108,232; Aug. 25; Gaz. vol. 205; p. 1066.
- Gas generator, Acetylene-. V. Pingret. No. 1,112,092; Sept. 29; Gaz. vol. 206; p. 1295.
- Gas generator, Acetylene-. J. D. Ross. No. 1,100,621; June 16; Gaz. vol. 203; p. 852.
- Gas generator, Acetylene-. A. M. Salazar. No. 1,085,490; Jan. 27; Gaz. vol. 198; p. 842.
- Gas generator, Acetylene-. E. W. Showalter. No. 1,090,759; Mar. 17; Gaz. vol. 200; p. 804.
- Gas generator, Acetylene-. C. T. Tarpenning. No. 1,097,268; May 19; Gaz. vol. 202; p. 798.
- Gas generator, Acetylene-. E. H. Taylor. No. 1,102,107; June 30; Gaz. vol. 203; p. 1475.
- Gas generator, Acetylene-. G. A. Waller and F. E. Wright. No. 1,109,377; Sept. 1; Gaz. vol. 206; p. 186.
- Gas generator, Acetylene-. E. T. Winter. No. 1,108,960; Sept. 1; Gaz. vol. 206; p. 36.
- Gas generator and burner for hydrocarbon-oils. H. A. Johnson. No. 1,091,434; Mar. 24; Gaz. vol. 200; p. 1065.
- Gas generator and burner, Kerosene-. J. Ryckman. No. 1,105,104; July 28; Gaz. vol. 204; p. 1135.
- Gas generator and burner, Wood-. W. L. Boxall. No. 1,111,129; Sept. 22; Gaz. vol. 206; p. 927.
- Gas generator and separator. B. C. Smith. No. 1,122,038; Dec. 22; Gaz. vol. 209; p. 1215.
- Gas-generator, Cupola. H. Koppers. No. 1,099,257; June 9; Gaz. vol. 203; p. 347.
- Gas-generator for engines, Auxiliary. F. K. Mooney. No. 1,098,164; May 26; Gaz. vol. 202; p. 1153.
- Gas-generator for internal-combustion engines. C. C. Riotte. No. 1,121,868; Dec. 22; Gaz. vol. 209; p. 1154.
- Gas generator, Liquid-fuel-. R. I. McKissack. No. 1,113,029; Oct. 6; Gaz. vol. 207; p. 214.
- Gas generators, Reserve carbide-holder for acetylene-. A. Duis. No. 1,108,979; Sept. 1; Gaz. vol. 206; p. 43.
- Gas-governor. E. L. Holmes. No. 1,085,339; Jan. 27; Gaz. vol. 198; p. 793.
- Gas-heater. C. J. Johnson. No. 1,088,229; Feb. 24; Gaz. vol. 199; p. 1064.
- Gas-heater. E. C. Jones. No. 1,085,265; Jan. 27; Gaz. vol. 198; p. 767.
- Gas-heater. G. A. Wise. No. 1,094,287; Apr. 21; Gaz. vol. 201; p. 808.
- Gas-heated iron. L. Feld. No. 1,117,017; Nov. 10; Gaz. vol. 208; p. 579.
- Gas-heated iron. R. Joyce. No. 1,107,526; Aug. 18; Gaz. vol. 205; p. 770.
- Gas-heater. W. E. Clarin. No. 1,107,589; Aug. 18; Gaz. vol. 205; p. 794.
- Gas-heater, Open-front. P. M. Bradley. No. 1,121,462; Dec. 15; Gaz. vol. 209; p. 975.
- Gas-holders, Guide-frame for. H. J. Stoffels. No. 1,089,090; Mar. 3; Gaz. vol. 200; p. 143.
- Gas-igniter. R. E. Berthold. No. 1,086,435; Feb. 10; Gaz. vol. 199; p. 344.
- Gas-igniter. R. E. Berthold. No. 1,120,363; Dec. 8; Gaz. vol. 209; p. 542.
- Gas-igniter. H. B. Steele. No. 1,096,276; May 12; Gaz. vol. 202; p. 412.
- Gas-ignition apparatus. H. Lyon. No. 1,118,943; Dec. 1; Gaz. vol. 209; p. 13.
- Gas ignition, Method and means for. H. Lyon. No. 1,118,940; Dec. 1; Gaz. vol. 209; p. 12.
- Gas in balloons, Apparatus for heating inflating-. R. H. Upson. No. 1,092,611; Apr. 7; Gaz. vol. 201; p. 169.
- Gas in balloons, Apparatus for heating inflating-. R. H. Upson. No. 1,096,578; May 12; Gaz. vol. 202; p. 513.

Alphabetical list of inventions—Continued.

- Gas in balloons, Apparatus for heating inflating. R. H. Upson. No. 1,097,201; May 19; Gaz. vol. 202; p. 773.
- Gas, Indicating the flow and leakage of. D. McDonald. No. 1,090,737; Mar. 17; Gaz. vol. 200; p. 797.
- Gas indicator, Inflammable. A. Guasco. No. 1,089,050; Mar. 3; Gaz. vol. 200; p. 128.
- Gas-iron. W. E. Thornton and H. E. Parker. No. 1,105,721; Aug. 4; Gaz. vol. 205; p. 48.
- Gas-iron, Self-heating. S. C. Rockman. No. 1,083,339; Jan. 6; Gaz. vol. 198; p. 27.
- Gas jet, Oxyhydrogen. E. Aumont. No. 1,097,284; May 19; Gaz. vol. 202; p. 803.
- Gas-jet regulator. S. F. Kraus. No. 1,088,825; Mar. 3; Gaz. vol. 200; p. 52.
- Gas-light appliance. J. A. Abrams. No. 1,090,671; Mar. 17; Gaz. vol. 200; p. 777.
- Gas-light, Inverted. J. H. Maertin. No. 1,091,002; Mar. 24; Gaz. vol. 200; p. 920.
- Gas-light, Inverted incandescent. V. H. Slinack. No. 1,089,504; Mar. 10; Gaz. vol. 200; p. 333.
- Gas-light, Inverted incandescent. V. H. Slinack. No. 1,089,505; Mar. 10; Gaz. vol. 200; p. 333.
- Gas-lights, Automatic ignition system for. J. W. Lundahl and O. A. Ekstrom. No. 1,104,522; July 21; Gaz. vol. 204; p. 887.
- Gas-lighter. J. Holtzman and L. Gefon. No. 1,090,714; Mar. 17; Gaz. vol. 200; p. 790.
- Gas-lighter. G. W. Hosler. No. 1,105,663; Aug. 4; Gaz. vol. 205; p. 27.
- Gas-lighter. G. Meyer. No. 1,100,600; June 16; Gaz. vol. 203; p. 844.
- Gas-lighter. L. Ott. No. 1,099,511; June 9; Gaz. vol. 203; p. 434.
- Gas-lighter. J. L. M. Zimmerman. No. 1,100,936; June 23; Gaz. vol. 203; p. 1017.
- Gas-lighter, Distance. F. L. Rumble. No. 1,087,464; Feb. 17; Gaz. vol. 199; p. 753.
- Gas-lighter, Pyrophorous. J. Kellermann. No. 1,099,447; June 9; Gaz. vol. 203; p. 413.
- Gas-lighter, Self-lighting. O. R. Angell. No. 1,111,939; Sept. 29; Gaz. vol. 206; p. 1244.
- Gas lighting and extinguishing apparatus. A. G. Kent-Johnston. No. 1,107,962; Aug. 18; Gaz. vol. 205; p. 922.
- Gas lighting and extinguishing apparatus, Valve mechanism for automatic. F. C. Farge. No. 1,095,390; May 5; Gaz. vol. 202; p. 74.
- Gas-lighting device. F. Street. No. 1,086,952; Feb. 10; Gaz. vol. 199; p. 523.
- Gas-lighting, Impregnating the filaments and mantles used in incandescent. G. Bagrachow. No. 1,108,116; Aug. 25; Gaz. vol. 205; p. 1025.
- Gas-lighting, Incandescent. R. Langhans. No. 1,083,936; Jan. 13; Gaz. vol. 198; p. 252.
- Gas-machines, Oil-measuring device for. M. Laux. No. 1,109,768; Sept. 8; Gaz. vol. 206; p. 363.
- Gas-machines, Oil-pumping apparatus for. M. Laux. No. 1,091,357; Mar. 24; Gaz. vol. 200; p. 1040.
- Gas, Making. H. Burgi. No. 1,095,806; May 5; Gaz. vol. 202; p. 216.
- Gas, Making. J. O. Carrey. No. 1,115,392; Oct. 27; Gaz. vol. 207; p. 1178.
- Gas-making process and apparatus. H. Burgi. No. 1,120,273; Dec. 8; Gaz. vol. 209; p. 510.
- Gas-mantle, Incandescent. J. I. Robin and C. White. No. 1,100,781; June 23; Gaz. vol. 203; p. 961.
- Gas-mantles, Making. F. C. Flint. No. 1,088,654; Feb. 24; Gaz. vol. 199; p. 1204.
- Gas, Manufacture of. H. W. Benner. No. 1,097,513; May 19; Gaz. vol. 202; p. 881.
- Gas-manufacturing apparatus. J. E. Cochran. No. 1,096,223; May 12; Gaz. vol. 202; p. 392.
- Gas-manufacturing apparatus. J. E. Cochran. No. 1,096,224; May 12; Gaz. vol. 202; p. 393.
- Gas-manufacturing apparatus. E. C. and L. B. Jones. No. 1,089,926; Mar. 10; Gaz. vol. 200; p. 479.
- Gas-manufacturing apparatus. P. Plantinga. No. 1,122,634; Dec. 29; Gaz. vol. 209; p. 1456.
- Gas-manufacturing apparatus, Wooden. R. M. Poole. No. 1,085,389; Jan. 27; Gaz. vol. 198; p. 810.
- Gas-measuring instrument. J. P. Delaney. No. 1,096,228; May 12; Gaz. vol. 202; p. 394.
- Gas-meter. H. Chrisman. No. 1,089,393; Mar. 10; Gaz. vol. 200; p. 290.
- Gas-meter. C. E. Hibberd. No. 1,092,048; Mar. 31; Gaz. vol. 200; p. 1319.
- Gas-meter. C. W. Hinman. No. 1,109,225; Sept. 1; Gaz. vol. 206; p. 131.
- Gas-meter. W. H. Knight. No. 1,090,864; Mar. 24; Gaz. vol. 200; p. 871.
- Gas-meter. H. H. Sprague. No. 1,089,730; Mar. 10; Gaz. vol. 200; p. 410.
- Gas-meter. H. B. Thornton and J. W. Hammond. No. 1,090,507; Mar. 17; Gaz. vol. 200; p. 722.
- Gas-meter attachment. J. G. Hayden. No. 1,096,714; May 12; Gaz. vol. 202; p. 558.
- Gas-meter, Rotary. E. B. De La Matyr. No. 1,090,780; Mar. 17; Gaz. vol. 200; p. 811.
- Gas-meter-testing device. G. W. Anderson. No. 1,097,834; May 26; Gaz. vol. 202; p. 1038.
- Gas, Method of and apparatus for generating producer. E. Servais. No. 1,098,534; June 2; Gaz. vol. 203; p. 62.
- Gas, Method of and apparatus for producing. G. H. Benjamin. No. 1,105,241; July 28; Gaz. vol. 204; p. 1184.
- Gas-mixer for engines. H. W. Bowman and J. M. Hinkle. No. 1,123,079; Dec. 29; Gaz. vol. 209; p. 1613.
- Gas or fluid, Means for removing particles of suspended matter from bodies of. W. W. Strong and A. S. Nesbit. No. 1,119,469; Dec. 1; Gaz. vol. 209; p. 196.
- Gas or fluid motor. P. Gaeth. No. 1,093,177; Apr. 14; Gaz. vol. 201; p. 397.
- Gas or smoke washer. O. M. Foster. No. 1,096,501; May 12; Gaz. vol. 202; p. 488.
- Gas or vapor burner. C. A. Haas. No. 1,101,537; June 30; Gaz. vol. 203; p. 1274.
- Gas or vapor converter device. M. von Recklinghausen. No. 1,110,572; Sept. 15; Gaz. vol. 206; p. 689.
- Gas or vapor converter device. M. von Recklinghausen. No. 1,110,573; Sept. 15; Gaz. vol. 206; p. 689.
- Gas-packing head. L. E. Robinson. No. 1,114,808; Oct. 27; Gaz. vol. 207; p. 974.
- Gas-pipes, Saw-guide for. C. H. Armstrong. No. 1,109,952; Sept. 8; Gaz. vol. 206; p. 429.
- Gas-plates, Water-heating coil for. W. Downie. No. 1,109,117; Sept. 1; Gaz. vol. 206; p. 92.
- Gas-pressure-regulating device. J. J. Kerr. No. 1,097,236; May 19; Gaz. vol. 202; p. 786.
- Gas-pressure regulator. J. R. Ricketts. No. 1,114,043; Oct. 20; Gaz. vol. 207; p. 650.
- Gas process and product. W. O. Snelling. No. 1,096,797; May 12; Gaz. vol. 202; p. 588.
- Gas-producer. A. J. Bassett. No. 1,098,875; June 2; Gaz. vol. 203; p. 176.
- Gas-producer. T. B. Benner. No. 1,110,372; Sept. 15; Gaz. vol. 206; p. 618.
- Gas-producer. C. M. Garland. No. 1,114,979; Oct. 27; Gaz. vol. 207; p. 1035.
- Gas-producer. C. M. Garland. No. 1,115,804; Nov. 3; Gaz. vol. 208; p. 113.
- Gas-producer. C. M. Garland. No. 1,115,805; Nov. 3; Gaz. vol. 208; p. 113.
- Gas-producer. J. F. Guggolz. No. 1,097,715; May 26; Gaz. vol. 202; p. 996.
- Gas-producer. J. A. Herrick. No. 1,100,074; June 16; Gaz. vol. 203; p. 665.
- Gas-producer. J. A. Herrick. No. 1,100,075; June 16; Gaz. vol. 203; p. 666.
- Gas-producer. J. H. Hirt. No. 1,094,897; Apr. 28; Gaz. vol. 201; p. 1080.
- Gas-producer. J. H. Hirt. No. 1,114,355; Oct. 20; Gaz. vol. 207; p. 762.
- Gas-producer. E. A. W. Jefferies. No. 1,085,686; Feb. 3; Gaz. vol. 199; p. 37.
- Gas-producer. E. A. W. Jefferies and J. R. George. No. 1,097,757; May 26; Gaz. vol. 202; p. 1011.
- Gas-producer. E. A. W. Jefferies and G. H. Isley. No. 1,112,702; Oct. 6; Gaz. vol. 207; p. 104.
- Gas-producer. A. von Kerpely. No. 1,114,072; Oct. 20; Gaz. vol. 207; p. 661.
- Gas-producer. T. H. Palzath. No. 1,105,688; Aug. 4; Gaz. vol. 205; p. 35.
- Gas-producer. H. Poetter. No. 1,097,141; May 19; Gaz. vol. 202; p. 753.
- Gas-producer. E. Ragot and P. Pierre-Hervotte. No. 1,083,507; Jan. 6; Gaz. vol. 198; p. 82.
- Gas-producer. P. G. Schmidt. No. 1,086,229; Feb. 3; Gaz. vol. 199; p. 229.
- Gas-producer. P. G. Schmidt. No. 1,116,131; Nov. 3; Gaz. vol. 208; p. 228.
- Gas-producer. H. F. Smith. No. 1,098,059; May 26; Gaz. vol. 202; p. 1118.
- Gas-producer. H. E. Smythe. No. 1,088,799; Mar. 3; Gaz. vol. 200; p. 43.
- Gas-producer. J. A. Weil. No. 1,105,474; July 28; Gaz. vol. 204; p. 1268.
- Gas-producer. C. Whitfield. No. 1,096,774; May 12; Gaz. vol. 202; p. 579.
- Gas producer and compressor. E. F. Aumont. No. 1,118,095; Nov. 24; Gaz. vol. 208; p. 1036.
- Gas-producer apparatus. J. A. Herrick. No. 1,112,534; Oct. 6; Gaz. vol. 207; p. 43.
- Gas-producer apparatus, Suction. P. T. Houston. No. 1,119,603; Dec. 1; Gaz. vol. 209; p. 242.
- Gas-producer hopper. W. A. Jones. No. 1,090,857; Mar. 24; Gaz. vol. 200; p. 869.
- Gas producer, Oil. J. W. M. and M. M. Burdon. No. 1,112,051; Sept. 29; Gaz. vol. 206; p. 1281.
- Gas-producer, Suction. M. F. Derrick. No. 1,107,917; Aug. 18; Gaz. vol. 205; p. 907.
- Gas-producers, Apparatus for regulating the air-supply for. H. L. Doherty. No. 1,101,787; June 30; Gaz. vol. 203; p. 1359.
- Gas-producers, Charging device for. J. A. Herrick. No. 1,119,280; Dec. 1; Gaz. vol. 209; p. 130.
- Gas-producers, Poking-hole for suction. P. T. Houston. No. 1,115,200; Oct. 27; Gaz. vol. 207; p. 1115.
- Gas, Producing. J. H. Hirt. No. 1,083,683; Jan. 6; Gaz. vol. 198; p. 140.

Alphabetical list of inventions—Continued.

- Gas, Producing. J. H. Hirt. No. 1,110,782; Sept. 15; Gaz. vol. 206; p. 762.
- Gas, Purifying. C. J. O'Donnell and A. F. Kunberger. No. 1,105,578; July 28; Gaz. vol. 204; p. 1303.
- Gas-purifying apparatus. K. Bomhard. No. 1,112,970; Oct. 6; Gaz. vol. 207; p. 194.
- Gas-purifying apparatus. A. Müller and C. Bomhard. No. 1,107,986; Aug. 18; Gaz. vol. 205; p. 931.
- Gas-purifying apparatus. H. F. Smith. No. 1,099,773; June 9; Gaz. vol. 203; p. 524.
- Gas-regulator. C. Barrington, Jr. No. 1,085,078; Jan. 20; Gaz. vol. 198; p. 665.
- Gas-regulator. C. Barrington, Jr. No. 1,104,865; July 28; Gaz. vol. 204; p. 1054.
- Gas-regulator. A. J. Hodge. No. 1,097,322; May 19; Gaz. vol. 202; p. 817.
- Gas-regulator. A. J. Hodge. No. 1,107,612; Aug. 18; Gaz. vol. 205; p. 802.
- Gas-regulator. E. D. Ogden. No. 1,122,299; Dec. 29; Gaz. vol. 209; p. 1341.
- Gas-regulator. J. R. Ricketts and H. V. Leahy. No. 1,105,841; Aug. 4; Gaz. vol. 205; p. 89.
- Gas-regulator for mixing-chambers. F. L. Cross. No. 1,092,204; Apr. 7; Gaz. vol. 201; p. 28.
- Gas-regulator, Safety. J. C. Reynolds. No. 1,115,244; Oct. 27; Gaz. vol. 207; p. 1130.
- Gas reservoir and burner, Combined supplemental. J. M. Gilbert. No. 1,113,326; Oct. 13; Gaz. vol. 207; p. 361.
- Gas-retort doors, Clamp for vertical. J. H. Taussig. No. 1,105,582; July 28; Gaz. vol. 204; p. 1305.
- Gas-retorts, Base-closure for vertical. J. H. Taussig. No. 1,105,583; July 28; Gaz. vol. 204; p. 1305.
- Gas-retorts, Closure-locking means for. H. A. Carpenter and A. W. Warner. No. 1,112,977; Oct. 6; Gaz. vol. 207; p. 197.
- Gas-retorts, Means for controlling the operation of. H. A. Carpenter and A. W. Warner. No. 1,112,978; Oct. 6; Gaz. vol. 207; p. 197.
- Gas-retorts, Means for utilizing the residual heat of coke produced in vertical. H. J. Toogood. No. 1,101,477; June 23; Gaz. vol. 203; p. 1202.
- Gas, Separating finely-divided particles of solids or liquids from a. W. W. Strong and A. F. Nesbit. No. 1,120,561; Dec. 8; Gaz. vol. 209; p. 613.
- Gas, Separating the hydrocarbons contained in natural. H. Koppers. No. 1,107,803; Aug. 18; Gaz. vol. 205; p. 870.
- Gas set, Automatic water-. J. H. Taussig. No. 1,119,472; Dec. 1; Gaz. vol. 209; p. 197.
- Gas supply and lighting device, Combined. E. R. Mills. No. 1,095,512; May 5; Gaz. vol. 202; p. 117.
- Gas-system safety device. J. Rutten. No. 1,099,619; June 9; Gaz. vol. 203; p. 471.
- Gas-tube coupling. G. K. Hoff. No. 1,097,436; May 19; Gaz. vol. 202; p. 855.
- Gas-turbine engine. A. E. Binns. No. 1,099,335; June 9; Gaz. vol. 203; p. 375.
- Gas-washer. H. Bentz. No. 1,117,309; Nov. 17; Gaz. vol. 208; p. 723.
- Gas-washer. W. B. Osborne. No. 1,094,466; Apr. 28; Gaz. vol. 201; p. 930.
- Gas-washer. J. F. M. Patitz. No. 1,112,381; Sept. 29; Gaz. vol. 206; p. 1397.
- Gas-washer. T. W. Stone. No. 1,098,190; May 26; Gaz. vol. 202; p. 1162.
- Gas-washer for acetylene-generators. A. Duis. No. 1,108,978; Sept. 1; Gaz. vol. 206; p. 42.
- Gas washer or scrubber. W. J. Fiddes. No. 1,095,835; May 5; Gaz. vol. 202; p. 226.
- Gas washing and cooling apparatus. E. F. Lloyd. No. 1,083,885; Jan. 6; Gaz. vol. 198; p. 203.
- Gas-washing apparatus. H. E. Theisen. No. 1,088,188; Feb. 24; Gaz. vol. 199; p. 1050.
- Gases and fumes and utilizing the heat and gases contained therein, Arresting sulfurous. C. S. Vadner. No. 1,110,660; Sept. 15; Gaz. vol. 206; p. 721.
- Gases and gaseous atmospheres of non-oxidizing character, Manufacture of. H. Frasch. No. 1,118,899; Nov. 24; Gaz. vol. 208; p. 1314.
- Gases and liquids, Apparatus for mixing. G. Calvert. No. 1,123,092; Dec. 29; Gaz. vol. 209; p. 1617.
- Gases and vapors, Apparatus for compressing. G. Holzapfel. No. 1,085,046; Jan. 20; Gaz. vol. 198; p. 654.
- Gases, Apparatus for cleansing, cooling, and mixing. H. E. Theisen. No. 1,088,186; Feb. 24; Gaz. vol. 199; p. 1049.
- Gases, Apparatus for collecting solids suspended in. W. E. Playter. No. 1,118,045; Nov. 24; Gaz. vol. 208; p. 1019.
- Gases, Apparatus for removing dust from exhaust-. F. Valeur. No. 1,113,848; Oct. 13; Gaz. vol. 207; p. 545.
- Gases, Apparatus for treating welding-. H. Müller. No. 1,109,777; Sept. 8; Gaz. vol. 206; p. 365.
- Gases, Blowing acid. R. B. Wolf. No. 1,097,783; May 26; Gaz. vol. 202; p. 1021.
- Gases by means of electric arcs, Carrying out chemical reactions in. E. Edwin, M. Hähle, and B. Strasser. No. 1,111,301; Sept. 22; Gaz. vol. 206; p. 986.
- Gases by multiple-contact action at regulatable temperatures, Apparatus for the chemical transformation of. T. Wolff. No. 1,099,530; June 9; Gaz. vol. 203; p. 442.
- Gases, Electrical apparatus for effecting the chemical combination of. C. C. Meigs. No. 1,116,606; Nov. 10; Gaz. vol. 208; p. 434.
- Gases, Electrolytic cell for generating hydrogen and oxygen. J. B. Burdett. No. 1,086,804; Feb. 10; Gaz. vol. 199; p. 474.
- Gases, Extractor of liquids and solids from. J. T. Wilkin. No. 1,105,868; Aug. 4; Gaz. vol. 205; p. 99.
- Gases, Filtration of flue-dust, fume, and like fine solid impurities from furnace. G. Rigg. No. 1,095,676; May 5; Gaz. vol. 202; p. 172.
- Gases for use in fumigating and fire-extinguishing and like purposes, Apparatus for scrubbing and cooling. G. Harker. No. 1,103,509; July 14; Gaz. vol. 204; p. 492.
- Gases from blast-furnaces for preheating the blast, Device for utilizing the off. J. E. Prégardien. No. 1,105,158; July 28; Gaz. vol. 204; p. 1153.
- Gases from liquids, Means for separating. F. Strohbach. No. 1,095,478; May 5; Gaz. vol. 202; p. 105.
- Gases from wood, Manufacturing illuminating and fuel. R. M. Poole. No. 1,093,470; Apr. 14; Gaz. vol. 201; p. 494.
- Gases, Method of and apparatus for sampling. E. W. Brown. No. 1,100,171; June 16; Gaz. vol. 203; p. 699.
- Gases, Method of and furnace for securing products of reaction by electric discharges in. C. F. R. von Koch. No. 1,085,440; Jan. 27; Gaz. vol. 198; p. 826.
- Gases or vapors, Compressing. G. Pagel. No. 1,118,367; Nov. 24; Gaz. vol. 208; p. 1132.
- Gases or vapors with liquids, Apparatus for treating. I. Moscicki. No. 1,097,870; May 26; Gaz. vol. 202; p. 1050.
- Gases, Preheater for. C. J. Atkinson. No. 1,106,611; Aug. 11; Gaz. vol. 205; p. 404.
- Gases, Producing continuous or constant electric discharges in. C. F. R. von Koch. No. 1,115,625; Nov. 3; Gaz. vol. 208; p. 53.
- Gases, Purification of. E. L. Hall. No. 1,120,475; Dec. 8; Gaz. vol. 209; p. 583.
- Gases, Recovering alkalis from flue-. S. B. Newberry. No. 1,121,532; Dec. 15; Gaz. vol. 209; p. 998.
- Gases resulting from the dry distillation of coal, &c., Obtaining by-products from. G. Hilgenstock. No. 1,099,089; June 2; Gaz. vol. 203; p. 244.
- Gases, Separating mixtures of. A. Sinding-Larsen. No. 1,091,023; Mar. 24; Gaz. vol. 200; p. 929.
- Gases, Separating moisture from burner-. J. B. F. Herreshoff. No. 1,113,437; Oct. 13; Gaz. vol. 207; p. 402.
- Gases, Tank for the distribution and storage of. A. R. Bullock. No. 1,095,993; May 5; Gaz. vol. 202; p. 278.
- Gases, Testing and controlling device for producers of inert. C. Martini. No. 1,099,611; June 9; Gaz. vol. 203; p. 469.
- Gases to the action of liquids, Apparatus for subjecting. F. H. Wagner. No. 1,091,464; Mar. 24; Gaz. vol. 200; p. 1074.
- Gases, Treatment of. E. R. Wolcott. No. 1,116,661; Nov. 10; Gaz. vol. 208; p. 455.
- Gaseous fuel, Apparatus for the production of. A. W. Southey. No. 1,120,857; Dec. 15; Gaz. vol. 209; p. 764.
- Gaseous fuel, Generating. H. C. Wade. No. 1,121,695; Dec. 22; Gaz. vol. 209; p. 1092.
- Gaseous-fuel heater. C. A. Crowder. No. 1,102,478; July 7; Gaz. vol. 204; p. 90.
- Gaseous-fuel heater. R. A. Frisbie. No. 1,091,501; Mar. 31; Gaz. vol. 200; p. 1132.
- Gaseous-fuel heater. W. R. Layne. No. 1,100,894; June 23; Gaz. vol. 203; p. 1000.
- Gaseous-fuel heater. H. E. Whiting. No. 1,102,309; July 7; Gaz. vol. 204; p. 30.
- Gaseous injections, Apparatus for. M. Braunberger. No. 1,090,833; Mar. 24; Gaz. vol. 200; p. 862.
- Gaseous mixtures into their constituents, Separating. R. P. Pictet. No. 1,119,312; Dec. 1; Gaz. vol. 209; p. 141.
- Gaseous mixtures, Separation of the constituents of. G. Claude. No. 1,083,988; Jan. 13; Gaz. vol. 198; p. 270.
- Gaseous ozonids, Apparatus for the production of. W. J. Knox. No. 1,088,346; Feb. 24; Gaz. vol. 199; p. 1103.
- Gaseous products of combustion and charging the same with fumigants, Apparatus for cooling, washing, and drying. G. Harker. No. 1,087,290; Feb. 17; Gaz. vol. 199; p. 692.
- Gasification apparatus. S. Horowitz. No. 1,105,975; Aug. 4; Gaz. vol. 205; p. 136.
- Gasket. S. C. Bond. No. 1,085,584; Jan. 27; Gaz. vol. 198; p. 873.
- Gasket. C. F. Hettinger. No. 1,089,134; Mar. 3; Gaz. vol. 200; p. 160.
- Gasket or washer. F. L. Toepperwein. No. 1,100,630; June 16; Gaz. vol. 203; p. 854.
- Gasket, Pipe-coupling. E. W. Davis. No. 1,083,350; Jan. 6; Gaz. vol. 198; p. 31.
- Gasketing-tape. W. F. Taylor. No. 1,108,021; Aug. 18; Gaz. vol. 205; p. 944.
- Gasolene and oil separator. S. A. Travers. No. 1,105,223; July 28; Gaz. vol. 204; p. 1177.
- Gasolene and water separator. T. D. Adair. No. 1,106,352; Aug. 4; Gaz. vol. 205; p. 264.

Alphabetical list of inventions—Continued.

- Gasolene, &c., Apparatus for dispensing. E. Graham, W. C. Turner, H. Foster, and H. M. Grant. No. 1,109,832; Sept. 8; Gaz. vol. 206; p. 384.
- Gasolene-engine. A. C. and S. L. Klein. No. 1,101,699; June 30; Gaz. vol. 203; p. 1330.
- Gasolene-engine. W. R. Thacker and C. G. Clark. No. 1,107,375; Aug. 18; Gaz. vol. 205; p. 717.
- Gasolene-engine. L. P. Vance. No. 1,090,177; Mar. 17; Gaz. vol. 200; p. 605.
- Gasolene-gage. C. O. Egerton. No. 1,109,669; Sept. 8; Gaz. vol. 206; p. 327.
- Gasolene-gage structure. F. L. Pfahl. No. 1,098,968; June 2; Gaz. vol. 203; p. 207.
- Gasolene-level indicator. A. M. Hatfield. No. 1,116,274; Nov. 3; Gaz. vol. 208; p. 274.
- Gasolene-lighter. C. F. Hooper. No. 1,116,281; Nov. 3; Gaz. vol. 208; p. 277.
- Gasolene manufacture, Means for controlling still-pressure in. F. M. Rogers and T. S. Cooke. No. 1,122,220; Dec. 22; Gaz. vol. 209; p. 1274.
- Gasolene, Manufacture of. W. M. Burton. No. 1,105,961; Aug. 4; Gaz. vol. 205; p. 131.
- Gasolene-meter. W. H. Ford. No. 1,084,325; Jan. 13; Gaz. vol. 198; p. 385.
- Gasolene-motor. J. R. Halterman. No. 1,106,210; Aug. 4; Gaz. vol. 205; p. 217.
- Gasolene-motor. J. E. Stevens. No. 1,084,977; Jan. 20; Gaz. vol. 198; p. 631.
- Gasolene or naphtha, Machine for refining used. G. E. Olsen. No. 1,106,887; Aug. 11; Gaz. vol. 205; p. 499.
- Gasolene, Producing. J. W. Waitz. No. 1,105,727; Aug. 4; Gaz. vol. 205; p. 50.
- Gasolene, Recovering and grading. R. D. Bassett. No. 1,120,669; Dec. 15; Gaz. vol. 209; p. 699.
- Gasolene, Recovering and grading. R. D. Bassett. No. 1,120,670; Dec. 15; Gaz. vol. 209; p. 699.
- Gasolene traction-engine. L. C. Olesen. No. 1,090,645; Mar. 17; Gaz. vol. 200; p. 768.
- Gate. *See* Alfalfa-gate; Aperture-gate; Automatic gate; Bridge-gate; Card-gate; Collapsible gate; Elevator safety-gate; End-gate; Farm-gate; Flood-gate; Folding gate; Head-gate; Locomotive-tender coal-gate; Railway-gate; Railway cattle-gate; Railway-crossing gate; Sluice-gate; Swinging gate; Telescoping gate; Wagon end-gate; Water-gate; Window-gate.
- Gate. O. E. Alwine. No. 1,117,622; Nov. 17; Gaz. vol. 208; p. 830.
- Gate. J. F. Butler. No. 1,095,378; May 5; Gaz. vol. 202; p. 70.
- Gate. W. A. Crawford-Frost. No. 1,099,026; June 2; Gaz. vol. 203; p. 225.
- Gate. S. W. Daniels. No. 1,118,109; Nov. 24; Gaz. vol. 208; p. 1042.
- Gate. I. N. Dawson. No. 1,092,901; Apr. 14; Gaz. vol. 201; p. 301.
- Gate. R. A. Driscoll. No. 1,098,235; May 26; Gaz. vol. 202; p. 1178.
- Gate. S. K. Eckerd. No. 1,113,607; Oct. 13; Gaz. vol. 207; p. 460.
- Gate. G. W. and C. E. Goss. No. 1,087,655; Feb. 17; Gaz. vol. 199; p. 822.
- Gate. G. W. and C. E. Goss. No. 1,087,656; Feb. 17; Gaz. vol. 199; p. 822.
- Gate. F. A. Guth. No. 1,093,404; Apr. 14; Gaz. vol. 201; p. 475.
- Gate. T. A. Hill. No. 1,099,747; June 9; Gaz. vol. 203; p. 515.
- Gate. E. R. Hurst. No. 1,111,901; Sept. 29; Gaz. vol. 206; p. 1234.
- Gate. J. Krieg and D. Z. Padgett. No. 1,115,686; Nov. 3; Gaz. vol. 208; p. 75.
- Gate. J. Long. No. 1,090,732; Mar. 17; Gaz. vol. 200; p. 795.
- Gate. C. Moore and L. A. Hutchens. No. 1,083,458; Jan. 6; Gaz. vol. 198; p. 67.
- Gate. J. H. Moss. No. 1,112,081; Sept. 29; Gaz. vol. 206; p. 1291.
- Gate. M. B. Moyer. No. 1,094,392; Apr. 21; Gaz. vol. 201; p. 842.
- Gate. E. Ocean. No. 1,088,166; Feb. 24; Gaz. vol. 199; p. 1043.
- Gate. F. M. Plummer. No. 1,095,924; May 5; Gaz. vol. 202; p. 254.
- Gate. C. S. Savage. No. 1,102,691; July 7; Gaz. vol. 204; p. 163.
- Gate. R. T. Van Valkenburg. No. 1,110,168; Sept. 8; Gaz. vol. 206; p. 508.
- Gate. J. G. Vaughn. No. 1,104,583; July 21; Gaz. vol. 204; p. 908.
- Gate. N. Williams. No. 1,083,475; Jan. 6; Gaz. vol. 198; p. 72.
- Gate attachment, Farm-. W. B. Terry. No. 1,084,716; Jan. 20; Gaz. vol. 198; p. 544.
- Gate-closer. A. Bujewski. No. 1,100,952; June 23; Gaz. vol. 203; p. 1022.
- Gate-fastener. M. P. Torgrud. No. 1,106,324; Aug. 4; Gaz. vol. 205; p. 254.
- Gate fastener, Tail-. A. R. Turner. No. 1,117,930; Nov. 17; Gaz. vol. 208; p. 938.
- Gate-hanging means. C. S. Whitworth. No. 1,119,558; Dec. 1; Gaz. vol. 209; p. 228.
- Gate-locking means. G. E. Ericsson. No. 1,093,174; Apr. 14; Gaz. vol. 201; p. 396.
- Gate mechanism, Differential. E. F. Hurd. No. 1,086,531; Feb. 10; Gaz. vol. 199; p. 377.
- Gate-opener. E. F. Johnson. No. 1,094,335; Apr. 21; Gaz. vol. 201; p. 822.
- Gate opening and closing mechanism. F. Zoerkler. No. 1,111,282; Sept. 22; Gaz. vol. 206; p. 980.
- Gate-opening means. H. Somers. No. 1,095,938; May 5; Gaz. vol. 202; p. 259.
- Gate-operating device. J. S. G. Hofer. No. 1,101,547; June 30; Gaz. vol. 203; p. 1277.
- Gate-operating mechanism. J. H. Boudreau. No. 1,096,015; May 12; Gaz. vol. 202; p. 322.
- Gate-operating mechanism. J. E. C. Jacobsen and C. A. V. J. Segersten. No. 1,087,770; Feb. 17; Gaz. vol. 199; p. 859.
- Gate-spring. E. Crowley. No. 1,099,490; June 9; Gaz. vol. 203; p. 428.
- Gate stop, Swinging-. G. R. Brenneman. No. 1,086,749; Feb. 10; Gaz. vol. 199; p. 453.
- Gates, marine vessels, and the like, Heating of lock and dock. M. Macleod. No. 1,104,914; July 28; Gaz. vol. 204; p. 1071.
- Gates of irrigating-canals, Locking means for. F. N. Cronholm. No. 1,095,455; May 5; Gaz. vol. 202; p. 96.
- Gathering-machine. F. R. Goodnough. No. 1,104,986; July 28; Gaz. vol. 204; p. 1095.
- Gear. I. E. McCracken. No. 1,096,258; May 12; Gaz. vol. 202; p. 406.
- Gear-case construction. E. W. Stull. No. 1,105,219; July 28; Gaz. vol. 204; p. 1176.
- Gear, Controlling device for power-driven. E. P. Robinson. No. 1,086,464; Feb. 10; Gaz. vol. 199; p. 354.
- Gear-cutter. T. Fawcus. No. 1,096,163; May 12; Gaz. vol. 202; p. 373.
- Gear-cutter. T. Fawcus. No. 1,096,164; May 12; Gaz. vol. 202; p. 373.
- Gear-cutting machine. H. J. Eberhardt. No. 1,104,482; July 21; Gaz. vol. 204; p. 871.
- Gear-cutting machine. A. Frykman. No. 1,108,735; Aug. 25; Gaz. vol. 205; p. 1240.
- Gear-cutting machine. C. S. Grannis. No. 1,097,222; May 19; Gaz. vol. 202; p. 781.
- Gear-cutting machine. J. Grundstein. No. 1,105,649; Aug. 4; Gaz. vol. 205; p. 22.
- Gear-cutting machine. I. E. McCracken. No. 1,085,748; Feb. 3; Gaz. vol. 199; p. 60.
- Gear-cutting machine. E. F. Roberts. No. 1,108,623; Aug. 25; Gaz. vol. 205; p. 1202.
- Gear-cutting tool. S. Sunderland. No. 1,090,350; Mar. 17; Gaz. vol. 200; p. 665.
- Gear, Differential. T. E. Barnum. No. 1,108,422; Aug. 25; Gaz. vol. 205; p. 1130.
- Gear, Differential. A. E. Holtermann. No. 1,119,284; Dec. 1; Gaz. vol. 209; p. 131.
- Gear-drive for wringers. O. B. Woodrow. No. 1,118,991; Dec. 1; Gaz. vol. 209; p. 31.
- Gear, Fluid transmission-. H. Lentz. No. 1,106,390; Aug. 11; Gaz. vol. 205; p. 321.
- Gear for motor-cars, Transmission-. V. Lancia. No. 1,085,869; Feb. 3; Gaz. vol. 199; p. 103.
- Gear for motor-vehicles, Transmission-. J. Laviolette. No. 1,104,809; July 28; Gaz. vol. 204; p. 1034.
- Gear, Friction draft-. J. F. O'Connor. No. 1,086,075; Feb. 3; Gaz. vol. 199; p. 178.
- Gear-generating tool. E. J. Lees. No. 1,086,542; Feb. 10; Gaz. vol. 199; p. 381.
- Gear-generator. E. J. Lees. No. 1,108,379; Aug. 25; Gaz. vol. 205; p. 1117.
- Gear-grinding machine. F. A. Ward and W. N. Taylor. No. 1,104,589; July 21; Gaz. vol. 204; p. 910.
- Gear-hobbing machine. F. O. Farwell. No. 1,091,493; Mar. 31; Gaz. vol. 200; p. 1130.
- Gear mechanism. H. F. Snyder. No. 1,117,268; Nov. 17; Gaz. vol. 208; p. 706.
- Gear mechanism, Changeable-speed. H. L. Schenck. No. 1,094,751; Apr. 28; Gaz. vol. 201; p. 1031.
- Gear mechanism, Speed-changing-. J. F. Fitch. No. 1,092,438; Apr. 7; Gaz. vol. 201; p. 109.
- Gear, Power steering-. E. P. Robinson. No. 1,086,465; Feb. 10; Gaz. vol. 199; p. 355.
- Gear, Radial-draft. E. H. Schmidt. No. 1,090,656; Mar. 17; Gaz. vol. 200; p. 773.
- Gear, Reverse-. H. H. Vaughan. No. 1,101,976; June 30; Gaz. vol. 203; p. 1427.
- Gear, Reversing-. S. Baader. No. 1,088,255; Feb. 24; Gaz. vol. 199; p. 1072.
- Gear, Reversing-. S. Baader. No. 1,098,548; June 2; Gaz. vol. 203; p. 68.
- Gear, Reversing-. M. W. Pauling. No. 1,120,078; Dec. 8; Gaz. vol. 209; p. 441.
- Gear, Reversing and controlling. J. P. Hall. No. 1,088,657; Feb. 24; Gaz. vol. 199; p. 1205.
- Gear-shifting mechanism. H. A. Myers. No. 1,102,787; July 7; Gaz. vol. 204; p. 197.
- Gear-shifting mechanism. H. A. Myers. No. 1,114,631; Oct. 20; Gaz. vol. 207; p. 858.

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- Gear-shifting mechanism. C. R. Underhill. No. 1,115,876; Nov. 3; Gaz. vol. 208; p. 139.
- Gear-shifting mechanism. C. R. Underhill. No. 1,115,877; Nov. 3; Gaz. vol. 208; p. 139.
- Gear-shifting mechanism. C. R. Underhill. No. 1,115,878; Nov. 3; Gaz. vol. 208; p. 139.
- Gear-shifting mechanism, Single-lever. R. Huff. No. 1,122,118; Dec. 22; Gaz. vol. 209; p. 1240.
- Gear, Short-turning. J. T. Mack. No. 1,108,507; Aug. 25; Gaz. vol. 205; p. 1162.
- Gear, Speed-change. P. Leistritz. No. 1,115,843; Nov. 3; Gaz. vol. 208; p. 128.
- Gear-teeth, Apparatus for forming the ends of. G. W. Sponable. No. 1,110,274; Sept. 8; Gaz. vol. 206; p. 544.
- Gear-teeth, Machine for forming wooden. W. Seidel. No. 1,108,629; Aug. 25; Gaz. vol. 205; p. 1204.
- Gear, Traction-. E. G. Adams. No. 1,118,835; Nov. 24; Gaz. vol. 208; p. 1293.
- Gear, Variable-speed. J. C. Martins. No. 1,112,710; Oct. 6; Gaz. vol. 207; p. 107.
- Gear-wheel. H. Hess. No. 1,085,420; Jan. 27; Gaz. vol. 198; p. 820.
- Gear-wheel. T. J. Loftus. No. 1,093,279; Apr. 14; Gaz. vol. 201; p. 432.
- Gear-wheels, Machine for cutting helical teeth of. W. E. Sykes. No. 1,103,851; July 14; Gaz. vol. 204; p. 613.
- Gear, Worm-. F. K. Fassett. No. 1,113,172; Oct. 6; Gaz. vol. 207; p. 263.
- Gears, Controlling apparatus for hydraulic variable-speed. R. Janney. No. 1,108,443; Aug. 25; Gaz. vol. 205; p. 1138.
- Gears, Device for preventing the overthrow of. F. Trinks. No. 1,088,485; Feb. 24; Gaz. vol. 199; p. 1148.
- Gears, Hobbing special-shaped toothed. N. E. Zusl. No. 1,104,859; July 28; Gaz. vol. 204; p. 1052.
- Gears, Locking device for differential. W. A. Besserlich and B. A. Mosling. No. 1,111,728; Sept. 29; Gaz. vol. 206; p. 1168.
- Gears, Machine for cutting involute spur-. H. Perrot. No. 1,088,173; Feb. 24; Gaz. vol. 199; p. 1045.
- Gears, Truing. J. V. Gudmand-Hoyer. No. 1,111,064; Sept. 22; Gaz. vol. 206; p. 905.
- Gearing. F. C. and E. J. Bast. No. 1,092,328; Apr. 7; Gaz. vol. 201; p. 71.
- Gearing. H. L. Bennett. No. 1,092,240; Apr. 7; Gaz. vol. 201; p. 40.
- Gearing. B. Borland. No. 1,095,373; May 5; Gaz. vol. 202; p. 69.
- Gearing. E. E. Bradley. No. 1,120,266; Dec. 8; Gaz. vol. 209; p. 508.
- Gearing. A. T. Brown. No. 1,104,243; July 21; Gaz. vol. 204; p. 788.
- Gearing. A. Coleman. No. 1,099,843; June 9; Gaz. vol. 203; p. 547.
- Gearing. J. P. Coleman. No. 1,109,900; Sept. 8; Gaz. vol. 206; p. 410.
- Gearing. C. E. Cox. No. 1,101,524; June 30; Gaz. vol. 203; p. 1269.
- Gearing. C. G. Curtis. No. 1,114,234; Oct. 20; Gaz. vol. 207; p. 721.
- Gearing. J. Dain. No. 1,120,287; Dec. 8; Gaz. vol. 209; p. 515.
- Gearing. J. C. Eickhoff. No. 1,087,936; Feb. 24; Gaz. vol. 199; p. 961.
- Gearing. J. Emeringer. No. 1,106,792; Aug. 11; Gaz. vol. 205; p. 465.
- Gearing. D. M. Ferguson. No. 1,097,217; May 19; Gaz. vol. 202; p. 780.
- Gearing. A. J. Fisher. No. 1,115,525; Nov. 3; Gaz. vol. 208; p. 20.
- Gearing. F. T. Flinchbaugh. No. 1,092,639; Apr. 7; Gaz. vol. 201; p. 179.
- Gearing. L. J. Flint. No. 1,093,984; Apr. 21; Gaz. vol. 201; p. 708.
- Gearing. W. R. Gorham. No. 1,094,142; Apr. 21; Gaz. vol. 201; p. 760.
- Gearing. G. D. Griffiths. No. 1,087,117; Feb. 17; Gaz. vol. 199; p. 630.
- Gearing. E. A. Halbleib. No. 1,084,577; Jan. 13; Gaz. vol. 198; p. 467.
- Gearing. E. A. Halbleib. No. 1,087,288; Feb. 17; Gaz. vol. 199; p. 691.
- Gearing. C. F. Haldeman. No. 1,121,921; Dec. 22; Gaz. vol. 209; p. 1172.
- Gearing. E. R. Hewitt and A. F. Masury. No. 1,119,958; Dec. 8; Gaz. vol. 209; p. 399.
- Gearing. J. A. Hill. No. 1,104,893; July 28; Gaz. vol. 204; p. 1063.
- Gearing. H. L. Johnston. No. 1,088,076; Feb. 24; Gaz. vol. 199; p. 1012.
- Gearing. R. E. Kellogg. No. 1,094,216; Apr. 21; Gaz. vol. 201; p. 786.
- Gearing. F. A. Law. No. 1,098,912; June 2; Gaz. vol. 203; p. 189.
- Gearing. A. Loomis. No. 1,106,149; Aug. 4; Gaz. vol. 205; p. 197.
- Gearing. G. Lorenz. No. 1,097,342; May 19; Gaz. vol. 202; p. 823.
- Gearing. F. G. Marbach. No. 1,089,065; Mar. 3; Gaz. vol. 200; p. 133.
- Gearing. W. E. Martin and G. Bryan. No. 1,089,141; Mar. 3; Gaz. vol. 200; p. 163.
- Gearing. F. A. and S. W. Mills. No. 1,118,210; Nov. 24; Gaz. vol. 208; p. 1076.
- Gearing. J. M. J. Ness. No. 1,096,793; May 12; Gaz. vol. 202; p. 586.
- Gearing. H. Neuman. No. 1,097,460; May 19; Gaz. vol. 202; p. 863.
- Gearing. J. A. Nitchie. No. 1,087,177; Feb. 17; Gaz. vol. 199; p. 650.
- Gearing. F. H. Sandherr. No. 1,093,807; Apr. 21; Gaz. vol. 201; p. 648.
- Gearing. W. L. Schellenbach. No. 1,111,326; Sept. 22; Gaz. vol. 206; p. 995.
- Gearing. F. Schneider. No. 1,104,736; July 21; Gaz. vol. 204; p. 960.
- Gearing. J. P. Schuster. No. 1,116,745; Nov. 10; Gaz. vol. 208; p. 483.
- Gearing. G. E. Seymour. No. 1,107,454; Aug. 18; Gaz. vol. 205; p. 746.
- Gearing. G. C. Siebert. No. 1,119,196; Dec. 1; Gaz. vol. 209; p. 104.
- Gearing. F. Stack. No. 1,107,721; Aug. 18; Gaz. vol. 205; p. 841.
- Gearing. G. W. Stahley. No. 1,122,654; Dec. 29; Gaz. vol. 209; p. 1463.
- Gearing. B. A. Stocking and H. Mendenhall. No. 1,096,067; May 12; Gaz. vol. 202; p. 340.
- Gearing. G. W. Swift, Jr. No. 1,097,776; May 26; Gaz. vol. 202; p. 1018.
- Gearing. H. E. Townsend. No. 1,101,478; June 23; Gaz. vol. 203; p. 1203.
- Gearing. B. W. Traylor. No. 1,106,256; Aug. 4; Gaz. vol. 205; p. 232.
- Gearing. T. E. Unks. No. 1,110,840; Sept. 15; Gaz. vol. 206; p. 783.
- Gearing and axle, Transmission-. R. M. Roberts. No. 1,096,196; May 12; Gaz. vol. 202; p. 382.
- Gearing and housing, Motor. S. Deutsch. No. 1,111,884; Sept. 29; Gaz. vol. 206; p. 1228.
- Gearing, Automatic change-speed. J. J. A. Billet. No. 1,120,591; Dec. 8; Gaz. vol. 209; p. 624.
- Gearing, Automatic reversing-. O. G. Pfeiffer. (Re-issue.) No. 13,855; Dec. 29; Gaz. vol. 209; p. 1663.
- Gearing, Belt-driven friction-. J. W. Anderson. No. 1,096,146; May 12; Gaz. vol. 202; p. 367.
- Gearing, Bevel-. H. D. Williams. No. 1,112,509; Oct. 6; Gaz. vol. 207; p. 34.
- Gearing, Change-speed. H. Austin. No. 1,118,389; Nov. 24; Gaz. vol. 208; p. 1139.
- Gearing, Change-speed. W. S. Austin. No. 1,091,618; Mar. 31; Gaz. vol. 200; p. 1172.
- Gearing, Change-speed. E. Bugatti. No. 1,099,587; June 9; Gaz. vol. 203; p. 461.
- Gearing, Change-speed. C. C. Earnist. No. 1,091,467; Mar. 24; Gaz. vol. 200; p. 1075.
- Gearing, Change-speed. L. A. Peterson. No. 1,108,784; Aug. 25; Gaz. vol. 205; p. 1255.
- Gearing, Change-speed. W. A. So Relle. No. 1,113,704; Oct. 13; Gaz. vol. 207; p. 493.
- Gearing, Change-speed. F. W. Spacke, D. T. Brownlee, and W. Spacke. No. 1,099,520; June 9; Gaz. vol. 203; p. 437.
- Gearing, Change-speed transmission-. J. J. Campodonico. No. 1,120,903; Dec. 15; Gaz. vol. 209; p. 781.
- Gearing, Changeable-speed. W. B. Schortman. No. 1,083,863; Jan. 6; Gaz. vol. 198; p. 196.
- Gearing, Control for change-speed. E. A. De Waters. No. 1,116,575; Nov. 10; Gaz. vol. 208; p. 423.
- Gearing device. G. P. Rasck. No. 1,087,980; Feb. 24; Gaz. vol. 199; p. 978.
- Gearing, Differential. J. A. Hardy. No. 1,093,573; Apr. 14; Gaz. vol. 201; p. 525.
- Gearing, Differential. C. C. Hinkley. No. 1,115,536; Nov. 3; Gaz. vol. 208; p. 24.
- Gearing, Differential. W. L. McDonald. No. 1,111,849; Sept. 29; Gaz. vol. 206; p. 1214.
- Gearing, Differential. W. Romeiser. No. 1,104,005; July 21; Gaz. vol. 204; p. 707.
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- Gearing, Driving-. C. E. F. Ahlm and C. E. Cochran. No. 1,120,355; Dec. 8; Gaz. vol. 209; p. 540.
- Gearing, Driving and reversing. R. W. and L. H. Bateman. No. 1,111,206; Sept. 22; Gaz. vol. 206; p. 954.
- Gearing, Driving and reversing. H. Elliott. No. 1,101,531; June 30; Gaz. vol. 203; p. 1272.
- Gearing, Dynamo-electric variable. F. Collischonn. No. 1,083,729; Jan. 6; Gaz. vol. 198; p. 157.
- Gearing for axles of automobiles. W. W. Annable. No. 1,104,160; July 21; Gaz. vol. 204; p. 760.
- Gearing for motor-propelled vehicles, Transmission-. W. S. Harley. No. 1,094,558; Apr. 28; Gaz. vol. 201; p. 960.
- Gearing for motor-vehicles, Transmission-. G. Brown. No. 1,113,305; Oct. 13; Gaz. vol. 207; p. 354.

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- Gearing for motor-vehicles, Transmission-. J. S. Peters. No. 1,084,959; Jan. 20; Gaz. vol. 198; p. 625.
- Gearing for the reels of agricultural machinery, Variable-speed. B. P. Saunders and O. Williams. No. 1,088,098; Feb. 24; Gaz. vol. 199; p. 1020.
- Gearing for transmission of rotary motion. F. H. Royce. No. 1,088,241; Feb. 24; Gaz. vol. 199; p. 1068.
- Gearing, Frictional. C. Sipple. No. 1,088,466; Feb. 24; Gaz. vol. 199; p. 1143.
- Gearing, Frictional transmission-. H. L. Beach. No. 1,097,905; May 26; Gaz. vol. 202; p. 1065.
- Gearing, Interrupted-drive. C. O. Michaelsen. No. 1,085,751; Feb. 3; Gaz. vol. 199; p. 61.
- Gearing lock, Differential-. C. G. Libbers. No. 1,106,464; Aug. 11; Gaz. vol. 205; p. 349.
- Gearing, Motion-augmenting pendulum-. H. L. Staley. No. 1,108,938; Sept. 1; Gaz. vol. 206; p. 28.
- Gearing, Multiple-speed. E. G. Johanson. No. 1,113,641; Oct. 13; Gaz. vol. 207; p. 471.
- Gearing, Portable frame for transmission-. J. E. Gilson. No. 1,096,104; May 12; Gaz. vol. 202; p. 352.
- Gearing, Power-transmission. L. B. Graham. No. 1,112,422; Sept. 29; Gaz. vol. 206; p. 1411.
- Gearing, Power-transmission. F. W. Vodoz. No. 1,091,606; Mar. 31; Gaz. vol. 200; p. 1168.
- Gearing, Reversing-. C. P. Hollister. No. 1,100,879; June 23; Gaz. vol. 203; p. 995.
- Gearing, Rotating. A. G. Tomsick. No. 1,091,871; Mar. 31; Gaz. vol. 200; p. 1262.
- Gearing-shifting mechanism. W. H. Coldwell. No. 1,116,017; Nov. 3; Gaz. vol. 208; p. 189.
- Gearing, Speed-. A. P. Weigel. No. 1,101,597; June 30; Gaz. vol. 203; p. 1295.
- Gearing, Speed-reduction. V. G. Apple. No. 1,089,181; Mar. 3; Gaz. vol. 200; p. 177.
- Gearing, Transmission-. A. N. Adams. No. 1,111,551; Sept. 22; Gaz. vol. 206; p. 1072.
- Gearing, Transmission-. F. E. Baker. No. 1,120,665; Dec. 15; Gaz. vol. 209; p. 697.
- Gearing, Transmission-. E. N. Bowen. No. 1,088,398; Feb. 24; Gaz. vol. 199; p. 1121.
- Gearing, Transmission-. F. Deves. No. 1,093,920; Apr. 21; Gaz. vol. 201; p. 687.
- Gearing, Transmission-. H. G. Farr. No. 1,087,873; Feb. 17; Gaz. vol. 199; p. 892.
- Gearing, Transmission-. R. Golden. No. 1,110,437; Sept. 15; Gaz. vol. 206; p. 642.
- Gearing, Transmission-. W. S. Harley. No. 1,097,546; May 19; Gaz. vol. 202; p. 891.
- Gearing, Transmission-. J. H. Jensen. No. 1,108,582; Aug. 25; Gaz. vol. 205; p. 1188.
- Gearing, Transmission-. A. N. Miller. No. 1,096,638; May 12; Gaz. vol. 202; p. 534.
- Gearing, Transmission-. R. L. Morgan. No. 1,102,427; July 7; Gaz. vol. 204; p. 73.
- Gearing, Transmission-. C. W. Parker. No. 1,103,683; July 14; Gaz. vol. 204; p. 558.
- Gearing, Transmission-. E. S. Robinson. No. 1,092,747; Apr. 7; Gaz. vol. 201; p. 214.
- Gearing, Transmission-. C. A. Ward. (Reissue.) No. 1,138,838; Dec. 1; Gaz. vol. 209; p. 308.
- Gearing, Transmission-. G. Westinghouse. No. 1,088,387; Feb. 24; Gaz. vol. 199; p. 1117.
- Gearing, Transmission-. R. S. Zeitler. No. 1,102,378; July 7; Gaz. vol. 204; p. 54.
- Gearing, Two-speed. A. A. Olson. No. 1,099,464; June 9; Gaz. vol. 203; p. 419.
- Gearing, Two-speed. C. E. Pollard. No. 1,122,301; Dec. 29; Gaz. vol. 209; p. 1342.
- Gearing, Variable-speed. E. A. Anderson. No. 1,103,926; July 21; Gaz. vol. 204; p. 681.
- Gearing, Variable-speed. E. Cheneaux. No. 1,092,692; Apr. 7; Gaz. vol. 201; p. 195.
- Gearing, Variable-speed. E. W. Cleveland. No. 1,121,000; Dec. 15; Gaz. vol. 209; p. 815.
- Gearing, Variable-speed. J. Dove-Smith. No. 1,116,252; Nov. 3; Gaz. vol. 208; p. 267.
- Gearing, Variable-speed. J. Hoffman. No. 1,113,629; Oct. 13; Gaz. vol. 207; p. 467.
- Gearing, Variable-speed. I. Schwinn. No. 1,100,261; June 16; Gaz. vol. 203; p. 730.
- Gearing, Variable-speed. A. Sundh. No. 1,095,479; May 5; Gaz. vol. 202; p. 106.
- Gearing, Variable-speed friction-. J. G. A. Kitchen and I. H. Storey. No. 1,083,328; Jan. 6; Gaz. vol. 198; p. 23.
- Gearing, Variable-speed friction-. J. C. Martins. No. 1,112,711; Oct. 6; Gaz. vol. 207; p. 107.
- Gearing, Variable-speed friction-. J. A. Wade. No. 1,098,771; June 2; Gaz. vol. 203; p. 140.
- Gearing, Variable-speed transmission-. G. Zink. No. 1,121,442; Dec. 15; Gaz. vol. 209; p. 968.
- Gem-setting. H. H. Meyers. No. 1,092,587; Apr. 7; Gaz. vol. 201; p. 160.
- Genealogical record. J. B. Olinger. No. 1,098,833; June 2; Gaz. vol. 203; p. 161.
- Generating apparatus. S. F. Pierce. No. 1,107,836; Aug. 18; Gaz. vol. 205; p. 881.
- Generator. *See* Acetylene-generator; Constant-output electric generator; Current-generator; Draft-generator; Electric generator; Electric ignition-generator; Electrolytic generator; Flash-generator; Gas-generator; Gear-generator; Heat-generator; High-frequency generator; Induction-generator; Magneto-generator; Ozone-generator; Power-generator; Pressure-generator; Steam-generator; Vapor-generator; Wheel-generator.
- Generator. J. Haskins. No. 1,088,020; Feb. 24; Gaz. vol. 199; p. 993.
- Generator. J. W. Loper. No. 1,088,432; Feb. 24; Gaz. vol. 199; p. 1132.
- Generator. W. S. Perry. No. 1,122,534; Dec. 29; Gaz. vol. 209; p. 1421.
- Generator and burner, Combined. S. A. Christian. No. 1,089,532; Mar. 10; Gaz. vol. 200; p. 343.
- Generator-suspension member. C. E. Mead. No. 1,105,988; Aug. 4; Gaz. vol. 205; p. 140.
- Geodetical universal instrument. H. R. von Winterhalder. No. 1,114,422; Oct. 20; Gaz. vol. 207; p. 787.
- Geographic-position indicator. F. R. Sweeny. No. 1,086,242; Feb. 3; Gaz. vol. 199; p. 233.
- Geographical apparatus. M. B. Gardner. No. 1,096,102; May 12; Gaz. vol. 202; p. 351.
- Geometrical machine. J. H. Reinhardt. No. 1,092,170; Apr. 7; Gaz. vol. 201; p. 16.
- Germinating apparatus. L. Topf. No. 1,090,431; Mar. 17; Gaz. vol. 200; p. 695.
- Gib and key. C. A. Fischer. No. 1,106,934; Aug. 11; Gaz. vol. 205; p. 516.
- Gimp-making machine. C. F. Baum. No. 1,098,081; May 26; Gaz. vol. 202; p. 1126.
- Gin-pole cap. C. E. Dockendorff. No. 1,106,498; Aug. 11; Gaz. vol. 205; p. 362.
- Gin-saw-dressing machine. J. R. Smith. No. 1,107,456; Aug. 18; Gaz. vol. 205; p. 747.
- Gin-saw-space-block-sizing machine. H. W. Ligon. No. 1,089,566; Mar. 10; Gaz. vol. 200; p. 353.
- Gins, Brush-cylinder for. B. A. Robertson. No. 1,122,308; Dec. 29; Gaz. vol. 209; p. 1344.
- Girdle, Skeleton. J. A. Ondrak. No. 1,104,215; July 21; Gaz. vol. 204; p. 779.
- Glass. *See* Drinking-glass; Magnifying-glass; Sheet-glass; Spectacle-glass; Tourist's glass; Water-glass; Wire-glass.
- Glass. R. G. Kann. No. 1,085,432; Jan. 27; Gaz. vol. 198; p. 824.
- Glass and apparatus for the same, Manipulating plastic. P. M. Hulbert. No. 1,118,204; Nov. 24; Gaz. vol. 208; p. 1074.
- Glass and manufacturing same, Reinforced. E. Benedictus. No. 1,098,342; May 26; Gaz. vol. 202; p. 1216.
- Glass and means for preventing the streaking of glass-ware, Regulating device for molten. J. W. Gayner. No. 1,090,101; Mar. 10; Gaz. vol. 200; p. 537.
- Glass, Apparatus for cutting off molten. L. W. Proeger. No. 1,100,776; June 23; Gaz. vol. 203; p. 959.
- Glass, Apparatus for grinding plate-. C. L. Smith. No. 1,116,145; Nov. 3; Gaz. vol. 208; p. 233.
- Glass, Apparatus for making wire-. J. J. Quertimont. No. 1,119,535; Dec. 1; Gaz. vol. 209; p. 219.
- Glass, Apparatus for the manufacture of raw plate-. M. Bicheroux. No. 1,101,392; June 23; Gaz. vol. 203; p. 1173.
- Glass articles, Apparatus for drawing hollow. M. J. Healy. No. 1,115,933; Nov. 3; Gaz. vol. 208; p. 159.
- Glass articles, Apparatus for drawing hollow. M. J. Healy. No. 1,115,934; Nov. 3; Gaz. vol. 208; p. 159.
- Glass articles, Apparatus for making. J. Forster. No. 1,106,140; Aug. 4; Gaz. vol. 205; p. 195.
- Glass articles, Chuck for holding. F. E. Hill. No. 1,122,114; Dec. 22; Gaz. vol. 209; p. 1238.
- Glass articles, Cutting ornamentation on. J. Stott. No. 1,103,631; July 14; Gaz. vol. 204; p. 538.
- Glass articles, Manufacture of. B. M. Hanna. No. 1,103,961; July 21; Gaz. vol. 204; p. 693.
- Glass articles, Manufacturing and tempering. L. J. Houze. No. 1,107,072; Aug. 11; Gaz. vol. 205; p. 560.
- Glass articles, Manufacturing blown-. W. J. Woods. No. 1,100,811; June 23; Gaz. vol. 203; p. 971.
- Glass-blowing machine, Automatic. A. O. Abbott, Jr. No. 1,116,340; Nov. 3; Gaz. vol. 208; p. 297.
- Glass-blowing machines, Dash-pot for. J. Rau. No. 1,107,446; Aug. 18; Gaz. vol. 205; p. 743.
- Glass bottles and the like, Apparatus for casting and blowing. C. I. Greer. No. 1,087,287; Feb. 17; Gaz. vol. 199; p. 690.
- Glass-cleaner. L. G. Hatosy, Jr. No. 1,083,829; Jan. 6; Gaz. vol. 198; p. 187.
- Glass-cleaner. A. Wenieke. No. 1,084,184; Jan. 13; Gaz. vol. 198; p. 338.
- Glass construction, Leaded. A. W. Weitershausen. No. 1,112,420; Sept. 29; Gaz. vol. 206; p. 1411.
- Glass-convexing furnace. W. G. Wachs and R. L. Gallup. No. 1,118,976; Dec. 1; Gaz. vol. 209; p. 25.
- Glass-cutter. B. L. Altic. No. 1,109,274; Sept. 1; Gaz. vol. 206; p. 148.
- Glass-cutter. C. T. Moore. No. 1,101,032; June 23; Gaz. vol. 203; p. 1050.

Alphabetical list of inventions—Continued.

- Glass-cutter. H. J. Wly. No. 1,101,604; June 30; Gaz. vol. 203; p. 1298.
- Glass-cutter. F. R. Woodward. No. 1,102,843; July 7; Gaz. vol. 204; p. 217.
- Glass-cutter's board. G. W. Higgins and J. Ungar. No. 1,100,878; June 23; Gaz. vol. 203; p. 995.
- Glass-cutting apparatus, Plate-. M. Richeroux. No. 1,105,610; Aug. 4; Gaz. vol. 205; p. 8.
- Glass-cutting machine, Sheet-. A. P. Whittemore. No. 1,117,735; Nov. 17; Gaz. vol. 208; p. 872.
- Glass-cutting machine, Sheet-. A. P. Whittemore. No. 1,117,736; Nov. 17; Gaz. vol. 208; p. 873.
- Glass-cutting tool. H. O. Pease. No. 1,115,333; Oct. 27; Gaz. vol. 207; p. 1159.
- Glass cylinders, Apparatus for drawing. W. R. Campbell. No. 1,122,477; Dec. 29; Gaz. vol. 209; p. 1400.
- Glass cylinders, Device for capping off. C. T. Moore. No. 1,101,033; June 23; Gaz. vol. 203; p. 1051.
- Glass cylinders, Drawing. A. E. Spinasse. No. 1,085,066; Jan. 20; Gaz. vol. 198; p. 661.
- Glass cylinders, Take-down apparatus for handling. H. F. Hitner. No. 1,096,627; May 12; Gaz. vol. 202; p. 530.
- Glass cylinders, Take-down sling for handling. J. H. Roadman and W. M. Dravo. No. 1,102,803; July 7; Gaz. vol. 204; p. 203.
- Glass, Drawing. O. E. Maynard. No. 1,120,512; Dec. 8; Gaz. vol. 209; p. 594.
- Glass, Drawing. R. S. Pease. No. 1,119,867; Dec. 8; Gaz. vol. 209; p. 368.
- Glass-drawing apparatus. W. R. Campbell. No. 1,122,475; Dec. 29; Gaz. vol. 209; p. 1400.
- Glass-drawing apparatus. W. R. Campbell. No. 1,122,476; Dec. 29; Gaz. vol. 209; p. 1400.
- Glass-drawing apparatus. H. F. Hitner. No. 1,103,585; July 14; Gaz. vol. 204; p. 521.
- Glass-drawing apparatus. W. A. Jones. No. 1,083,616; Jan. 6; Gaz. vol. 198; p. 119.
- Glass-drawing apparatus. O. E. Maynard. No. 1,114,897; Oct. 27; Gaz. vol. 207; p. 1006.
- Glass-drawing apparatus. O. E. Maynard. No. 1,114,898; Oct. 27; Gaz. vol. 207; p. 1007.
- Glass-drawing apparatus. W. W. Pilkington. No. 1,118,579; Nov. 24; Gaz. vol. 208; p. 1207.
- Glass-drawing apparatus, Bait for. A. Raspillaire. No. 1,100,617; June 16; Gaz. vol. 203; p. 850.
- Glass-drawing machine, Sheet-. I. W. Colburn. No. 1,122,692; Dec. 29; Gaz. vol. 209; p. 1478.
- Glass-drawing pot. W. R. Campbell. No. 1,101,057; June 23; Gaz. vol. 203; p. 1059.
- Glass-drawing tool or bait. M. J. Healy. No. 1,115,932; Nov. 3; Gaz. vol. 208; p. 158.
- Glass-feeding apparatus, Molten-. O. A. Bridges. No. 1,121,608; Dec. 22; Gaz. vol. 209; p. 1061.
- Glass, Flexible table for curving. G. Barot. No. 1,107,476; Aug. 18; Gaz. vol. 205; p. 754.
- Glass-furnace. R. H. Miller. No. 1,104,375; July 21; Gaz. vol. 204; p. 834.
- Glass-gathering mechanism. B. D. Chamberlin. No. 1,117,322; Nov. 17; Gaz. vol. 208; p. 727.
- Glass globe and reflector. O. A. Mygatt. No. 1,111,400; Sept. 22; Gaz. vol. 206; p. 1020.
- Glass-grinding apparatus. G. A. Macbeth. No. 1,114,160; Oct. 20; Gaz. vol. 207; p. 693.
- Glass-grinding machine. E. Stalzer. No. 1,103,093; July 14; Gaz. vol. 204; p. 348.
- Glass, Grinding-machine for manufacturing plate-. H. S. Heichert. No. 1,089,924; Mar. 10; Gaz. vol. 200; p. 473.
- Glass-grinding table. E. Bagnall. No. 1,121,452; Dec. 15; Gaz. vol. 209; p. 972.
- Glass, Handling. J. E. Kapteina. No. 1,107,528; Aug. 18; Gaz. vol. 205; p. 771.
- Glass-handling mechanism. A. L. Bingham. No. 1,100,345; June 16; Gaz. vol. 203; p. 759.
- Glass-heating burner. A. B. Knight. No. 1,109,131; Sept. 1; Gaz. vol. 206; p. 96.
- Glass holder, Drinking-. C. T. Stockenberg. No. 1,094,266; Apr. 21; Gaz. vol. 201; p. 802.
- Glass irrigator. W. H. Crutcher and G. C. Davis. No. 1,113,757; Oct. 13; Gaz. vol. 207; p. 513.
- Glass lens. J. A. and G. Young, Jr. No. 1,088,863; Mar. 3; Gaz. vol. 200; p. 65.
- Glass, Making heavy structural white. G. R. Meyercord. No. 1,108,205; Aug. 25; Gaz. vol. 205; p. 1057.
- Glass-making method and apparatus, Sheet-. A. P. Whittemore. No. 1,087,154; Feb. 17; Gaz. vol. 199; p. 643.
- Glass-manipulating mechanism. F. W. Rothacker. No. 1,119,642; Dec. 1; Gaz. vol. 209; p. 256.
- Glass, Manufacture of. C. E. Blue. (Reissue.) No. 13,723; May 12; Gaz. vol. 202; p. 595.
- Glass, Manufacture of sheet-. H. K. Hitchcock. (Reissue.) No. 13,804; Sept. 29; Gaz. vol. 206; p. 1413.
- Glass, Manufacture of sheet-. F. L. O. Wadsworth. No. 1,119,329; Dec. 1; Gaz. vol. 209; p. 147.
- Glass-manufacturing apparatus, Sheet-. A. M. Mazer. No. 1,118,665; Nov. 24; Gaz. vol. 208; p. 1237.
- Glass, Manufacturing raw plate-. M. Bicheroux. No. 1,090,904; Mar. 24; Gaz. vol. 200; p. 886.
- Glass-material-handling apparatus. J. A. Bechtel. No. 1,111,558; Sept. 22; Gaz. vol. 206; p. 1074.
- Glass-melting furnace. T. L. Holle. No. 1,111,258; Sept. 22; Gaz. vol. 206; p. 972.
- Glass-melting-tank accessory. L. Mambourg. No. 1,103,066; July 14; Gaz. vol. 204; p. 341.
- Glass, Method and batch or mixture for making illuminating-. G. A. Macbeth. No. 1,097,600; May 19; Gaz. vol. 202; p. 910.
- Glass, Method and batch or mixture for making illuminating-. G. A. Macbeth. (Reissue.) No. 13,766; July 7; Gaz. vol. 204; p. 278.
- Glass, Method of and apparatus for cutting plate-. M. Bicheroux. No. 1,114,098; Oct. 20; Gaz. vol. 207; p. 671.
- Glass-molding apparatus. J. E. Crawford. No. 1,115,785; Nov. 3; Gaz. vol. 208; p. 106.
- Glass oven or leer. J. H. Roadman. No. 1,096,058; May 12; Gaz. vol. 202; p. 337.
- Glass panel for glass wind-screens, Movable. F. W. Pugh. No. 1,107,352; Aug. 18; Gaz. vol. 205; p. 709.
- Glass panels for lamp-shades and similar articles, Making. H. O. Schmidt. No. 1,123,016; Dec. 29; Gaz. vol. 209; p. 1591.
- Glass-plate-shaping mold. J. Goffin and V. de Longueville. No. 1,111,958; Sept. 29; Gaz. vol. 206; p. 1250.
- Glass-polishing machine. J. A. Olson. No. 1,086,076; Feb. 3; Gaz. vol. 199; p. 179.
- Glass-pot-handling tongs. J. E. Kapteina. No. 1,120,819; Dec. 15; Gaz. vol. 209; p. 751.
- Glass, Process and apparatus for making wire-. C. D. Ehret. No. 1,113,208; Oct. 13; Gaz. vol. 207; p. 319.
- Glass refining and settling furnace. G. S. Hammitt. No. 1,117,565; Nov. 17; Gaz. vol. 208; p. 811.
- Glass reflector for artificial lights, Prism. O. A. Mygatt. No. 1,120,963; Dec. 15; Gaz. vol. 209; p. 801.
- Glass refrigerator. W. Buttler. No. 1,122,852; Dec. 29; Gaz. vol. 209; p. 1534.
- Glass rods, Machine for producing beads on. J. Kremenezky and J. Jellinek. No. 1,117,060; Nov. 10; Gaz. vol. 208; p. 594.
- Glass rollers and other hollow articles immediately from the glass-harbor, Permanently draining sheet-. W. Zahradnik. No. 1,085,835; Feb. 3; Gaz. vol. 199; p. 91.
- Glass, Runner for grinding plate-. W. R. Valentine. No. 1,101,046; June 23; Gaz. vol. 203; p. 1055.
- Glass setting. S. C. MacDowney. No. 1,121,565; Dec. 15; Gaz. vol. 209; p. 1012.
- Glass, Setting. C. H. Veeder. No. 1,098,580; Apr. 14; Gaz. vol. 201; p. 527.
- Glass sheets, Manufacture of. F. L. O. Wadsworth. No. 1,119,328; Dec. 1; Gaz. vol. 209; p. 147.
- Glass shelf for cases. E. Ohnstrand. No. 1,119,982; Dec. 8; Gaz. vol. 209; p. 408.
- Glass, Spreading-oven for the manufacture of sheet-. F. Heller. No. 1,120,486; Dec. 8; Gaz. vol. 209; p. 587.
- Glass structure. O. A. Mygatt. No. 1,097,042; May 19; Gaz. vol. 202; p. 717.
- Glass structure, Plate-. B. Kade. No. 1,096,723; May 12; Gaz. vol. 202; p. 561.
- Glass structure, Plate-. H. E. Kell. No. 1,107,671; Aug. 18; Gaz. vol. 205; p. 824.
- Glass structure, Pressed-. O. A. Mygatt. No. 1,093,350; Apr. 14; Gaz. vol. 201; p. 456.
- Glass-surface-working tool. R. Straubel. No. 1,097,565; May 19; Gaz. vol. 202; p. 898.
- Glass surfaces, Compound for treating. T. J. Murtha. No. 1,095,663; May 5; Gaz. vol. 202; p. 167.
- Glass tubing. H. S. Hatfield. No. 1,094,438; Apr. 28; Gaz. vol. 201; p. 918.
- Glass-veneered terra-cotta. R. E. Hunn. No. 1,119,352; Dec. 1; Gaz. vol. 209; p. 156.
- Glass-washing machine. J. W. Hasburg. No. 1,104,498; July 21; Gaz. vol. 204; p. 877.
- Glasses. J. C. Wells. No. 1,098,418; June 2; Gaz. vol. 203; p. 21.
- Glasses combined with a dark chamber, Hand-. A. Stadelmann. No. 1,098,186; May 26; Gaz. vol. 202; p. 1161.
- Glasses, Corner-post joint for plate-. S. C. MacDowney. No. 1,083,502; Jan. 6; Gaz. vol. 198; p. 80.
- Glassware. O. A. Mygatt. No. 1,093,719; Apr. 21; Gaz. vol. 201; p. 621.
- Glassware. O. A. Mygatt. No. 1,097,349; May 19; Gaz. vol. 202; p. 826.
- Glassware, Combined neck-ring and former for making hollow. C. V. Arbogast. No. 1,108,964; Sept. 1; Gaz. vol. 206; p. 37.
- Glassware, Dipping-frame for. H. Wickham and L. T. Hughes. No. 1,096,978; May 19; Gaz. vol. 202; p. 695.
- Glassware, Pressed or molded. O. A. Mygatt. No. 1,101,035; June 23; Gaz. vol. 203; p. 1051.
- Glassware-reforming mechanism. H. F. Hagemeyer. No. 1,107,935; Aug. 18; Gaz. vol. 205; p. 913.
- Glazier's tool. C. S. Leland. No. 1,092,447; Apr. 7; Gaz. vol. 201; p. 112.
- Glazier's tool. G. L. Menke. No. 1,091,370; Mar. 24; Gaz. vol. 200; p. 1044.
- Glazing, Double. W. F. Crittall. No. 1,117,340; Nov. 17; Gaz. vol. 208; p. 733.
- Glazing-strip. T. E. Weaver. No. 1,105,117; July 28; Gaz. vol. 204; p. 1140.
- Globe-holder. H. H. Hipwell. No. 1,094,071; Apr. 21; Gaz. vol. 201; p. 737.

Alphabetical list of inventions—Continued.

- Globe-holder. T. J. Little, Jr. No. 1,096,042; May 12; Gaz. vol. 202; p. 332.
- Globe-manipulator. W. F. Miller. No. 1,092,940; Apr. 14; Gaz. vol. 201; p. 315.
- Globe or shade and holder therefor. D. A. Ripley. No. 1,089,869; Mar. 10; Gaz. vol. 200; p. 457.
- Globe packing-box. J. C. McMenamin. No. 1,119,089; Dec. 1; Gaz. vol. 209; p. 66.
- Glove. E. T. Baskin. No. 1,105,239; July 28; Gaz. vol. 204; p. 1184.
- Glove. E. T. Baskin. No. 1,109,102; Sept. 1; Gaz. vol. 206; p. 87.
- Glove. J. Hadfield. No. 1,097,018; May 19; Gaz. vol. 202; p. 707.
- Glove. R. J. Hazard. No. 1,106,708; Aug. 11; Gaz. vol. 205; p. 435.
- Glove. E. F. Nickerson. No. 1,093,877; Apr. 21; Gaz. vol. 201; p. 672.
- Glove. W. E. Sell. No. 1,102,552; July 7; Gaz. vol. 204; p. 115.
- Glove. P. A. Waller. No. 1,103,921; July 14; Gaz. vol. 204; p. 637.
- Glove and mitten, Combination. C. Billings. No. 1,113,870; Oct. 13; Gaz. vol. 207; p. 552.
- Glove and mitten form. A. L. Carron. No. 1,102,224; June 30; Gaz. vol. 203; p. 1517.
- Glove, Boxing. R. F. Nixon, Jr. No. 1,098,124; May 26; Gaz. vol. 202; p. 1141.
- Glove, Boxing. B. F. Shibe. No. 1,106,979; Aug. 11; Gaz. vol. 205; p. 530.
- Glove-finger-turning device. E. A. Runner. No. 1,104,006; July 21; Gaz. vol. 204; p. 707.
- Glove, Hand-ball. J. I. Brokaw. No. 1,083,795; Jan. 6; Gaz. vol. 198; p. 176.
- Glove, mitten, or the like. E. C. Hunter. No. 1,090,826; Mar. 17; Gaz. vol. 200; p. 827.
- Glove, Swimming. W. Laser. No. 1,093,276; Apr. 14; Gaz. vol. 201; p. 431.
- Gloves, Cleaning. R. and P. Lungstras. No. 1,100,436; June 16; Gaz. vol. 203; p. 791.
- Glue-converter. H. Angebrandt, Jr. No. 1,085,782; Feb. 3; Gaz. vol. 199; p. 74.
- Glue-dissolver. M. Nyström. No. 1,089,860; Mar. 10; Gaz. vol. 200; p. 454.
- Glue, gelatin, and the like, Manufacture of. A. Löw and E. Fischer. No. 1,086,149; Feb. 3; Gaz. vol. 199; p. 203.
- Glue, Manufacturing vegetable. F. Lehmann and J. Stocker. No. 1,089,064; Mar. 3; Gaz. vol. 200; p. 133.
- Glue-stick. K. N. Pier. No. 1,087,137; Feb. 17; Gaz. vol. 199; p. 637.
- Gluer and driver, Automatic double. R. C. Brown. No. 1,089,530; Mar. 10; Gaz. vol. 200; p. 343.
- Gluer for tray-box machines. E. W. Lombarde. No. 1,112,812; Oct. 6; Gaz. vol. 207; p. 141.
- Gluing and sealing machine, Box-flap. C. W. Casto. No. 1,105,256; July 28; Gaz. vol. 204; p. 1189.
- Gluing mechanism. J. M. Kuebler and J. R. Frantz. No. 1,122,616; Dec. 29; Gaz. vol. 209; p. 1449.
- Glycerin and fatty matters contained in distillery-vinasses, Extraction of. G. P. Guignard and H. L. A. M. Watrigant. No. 1,092,791; Apr. 7; Gaz. vol. 201; p. 229.
- Glycerin, Decolorizing. F. Lindner. No. 1,089,775; Mar. 10; Gaz. vol. 200; p. 425.
- Glycols, (β -glycols,) Producing 1,3-. R. B. Earle and L. P. Kyriakides. No. 1,094,315; Apr. 21; Gaz. vol. 201; p. 817.
- Glycols, Producing 1,3-. R. B. Earle and L. P. Kyriakides. No. 1,094,316; Apr. 21; Gaz. vol. 201; p. 817.
- Go-basket. S. M. Withrow. No. 1,122,833; Dec. 29; Gaz. vol. 209; p. 1527.
- Go-cart. H. Taylor. No. 1,110,162; Sept. 8; Gaz. vol. 206; p. 506.
- Go-cart and crib, Combined. J. Hudry. No. 1,119,604; Dec. 1; Gaz. vol. 209; p. 243.
- Go-cart and nursery-chair, Combined child's. K. J. Johns. No. 1,090,623; Mar. 17; Gaz. vol. 200; p. 762.
- Go-cart and sulky, Combination. H. A. Williams. No. 1,104,335; July 21; Gaz. vol. 204; p. 821.
- Go-cart and sulky, Combination. H. A. Williams. No. 1,106,174; Aug. 4; Gaz. vol. 205; p. 206.
- Go-cart, Child's. M. B. Lloyd. No. 1,122,517; Dec. 29; Gaz. vol. 209; p. 1414.
- Go-cart, Collapsible. M. B. Lloyd. No. 1,122,516; Dec. 29; Gaz. vol. 209; p. 1414.
- Go-cart, Collapsible. C. B. Mercer. No. 1,084,465; Jan. 13; Gaz. vol. 198; p. 428.
- Go-cart, Collapsible. C. A. Pippin. No. 1,114,647; Oct. 20; Gaz. vol. 207; p. 864.
- Go-cart cover. I. Sherman. No. 1,121,878; Dec. 22; Gaz. vol. 209; p. 1158.
- Go-cart, Folding. F. J. Beier. No. 1,094,417; Apr. 28; Gaz. vol. 201; p. 910.
- Go-cart, Folding. F. J. Beier. No. 1,094,418; Apr. 28; Gaz. vol. 201; p. 911.
- Go-cart, Folding. F. J. Beier. No. 1,094,419; Apr. 28; Gaz. vol. 201; p. 912.
- Go-cart, Folding. A. E. McGill. No. 1,094,455; Apr. 28; Gaz. vol. 201; p. 925.
- Go-cart, Folding. A. E. McGill. No. 1,094,460; Apr. 28; Gaz. vol. 201; p. 928.
- Go-cart, Folding. A. E. McGill and F. J. Beier. No. 1,111,664; Sept. 22; Gaz. vol. 206; p. 1111.
- Go-cart or perambulator. A. J. Adams. No. 1,093,093; Apr. 14; Gaz. vol. 201; p. 367.
- Go-cart or perambulator. A. J. Adams. No. 1,093,094; Apr. 14; Gaz. vol. 201; p. 367.
- Go-cart or perambulator. A. J. Adams. No. 1,093,095; Apr. 14; Gaz. vol. 201; p. 368.
- Go-cart or perambulator. A. J. Adams. No. 1,094,045; Apr. 21; Gaz. vol. 201; p. 728.
- Go-cart or perambulator. A. J. Adams. No. 1,111,514; Sept. 22; Gaz. vol. 206; p. 1059.
- Go-carts and the like, Push-handle for. M. J. Foyer. No. 1,093,322; Apr. 14; Gaz. vol. 201; p. 447.
- Goggles. J. U. Barr. No. 1,095,543; May 5; Gaz. vol. 202; p. 128.
- Goggles. H. J. Brennecke. No. 1,118,631; Nov. 24; Gaz. vol. 208; p. 1225.
- Goggles. O. B. Carson. No. 1,113,194; Oct. 13; Gaz. vol. 207; p. 313.
- Goggles. L. F. Donnelly. No. 1,105,630; Aug. 4; Gaz. vol. 205; p. 15.
- Goggles. W. W. Essick. No. 1,121,911; Dec. 22; Gaz. vol. 209; p. 1169.
- Goggles. H. H. Styll. No. 1,105,714; Aug. 4; Gaz. vol. 205; p. 46.
- Goggles. F. Willson and N. Bourquin. No. 1,103,118; July 14; Gaz. vol. 204; p. 360.
- Goggles or eye-protector. C. J. Troppman. No. 1,097,198; May 19; Gaz. vol. 202; p. 772.
- Gold and other precious material, Apparatus for arresting. D. Guilford. No. 1,088,416; Feb. 24; Gaz. vol. 199; p. 1126.
- Gold and silver from refractory ores, Recovery of. C. Butters. No. 1,103,346; July 14; Gaz. vol. 204; p. 439.
- Gold-dust, Apparatus for recovering. J. E. Hawley. No. 1,093,049; Apr. 14; Gaz. vol. 201; p. 352.
- Gold from sand, Saving. G. H. Hamilton. No. 1,104,112; July 21; Gaz. vol. 204; p. 743.
- Gold-leaf mounting. F. W. Rauskolb. No. 1,103,222; July 14; Gaz. vol. 204; p. 396.
- Gold-saving apparatus. J. W. Neill. No. 1,100,904; June 23; Gaz. vol. 203; p. 1004.
- Gold-saving device. W. C. Fox. No. 1,092,524; Apr. 7; Gaz. vol. 201; p. 139.
- Gold-saving device. J. B. Green. No. 1,123,188; Dec. 29; Gaz. vol. 209; p. 1653.
- Golf-bag. A. B. Headley. No. 1,119,508; Dec. 1; Gaz. vol. 209; p. 210.
- Golf-bag. G. L. Pierce. No. 1,095,670; May 5; Gaz. vol. 202; p. 170.
- Golf-bag support. J. L. Irwin. No. 1,116,429; Nov. 10; Gaz. vol. 208; p. 368.
- Golf-ball-marking device. W. T. West. No. 1,096,084; May 12; Gaz. vol. 202; p. 346.
- Golf-club. C. N. Curry. No. 1,083,434; Jan. 6; Gaz. vol. 198; p. 59.
- Golf-club. O. G. A. Hackbarth. No. 1,116,417; Nov. 10; Gaz. vol. 208; p. 364.
- Golf-club. T. Heffernan. No. 1,088,571; Feb. 24; Gaz. vol. 199; p. 1176.
- Golf-club. I. S. Mackie. No. 1,098,630; June 2; Gaz. vol. 203; p. 95.
- Golf-club. J. Millar. No. 1,091,231; Mar. 24; Gaz. vol. 200; p. 1001.
- Golf-club. T. Taylor, Jr. No. 1,089,881; Mar. 10; Gaz. vol. 200; p. 461.
- Golf-club and other sporting implement. P. E. Samson. No. 1,094,599; Apr. 28; Gaz. vol. 201; p. 975.
- Golf-club head. W. Burke. No. 1,089,900; Mar. 10; Gaz. vol. 200; p. 469.
- Golf-club holder. S. Low and C. H. Kirby. No. 1,092,729; Apr. 7; Gaz. vol. 201; p. 207.
- Golf, Device for use in connection with practising. C. H. Minshall. No. 1,094,236; Apr. 21; Gaz. vol. 201; p. 792.
- Golf-driver. J. H. Dwight. No. 1,096,359; May 12; Gaz. vol. 202; p. 441.
- Golf putting-cup, Indoor. C. G. Lueder. No. 1,101,203; June 23; Gaz. vol. 203; p. 1108.
- Golf-putting device. J. Lush. No. 1,112,075; Sept. 29; Gaz. vol. 206; p. 1289.
- Golf-register. J. J. Eaton. No. 1,119,256; Dec. 1; Gaz. vol. 209; p. 122.
- Golf-stroke teacher. W. H. Brown. No. 1,091,186; Mar. 24; Gaz. vol. 200; p. 985.
- Golf-strokes, Device for practising. E. C. Thompson and L. S. Dromgold. No. 1,091,985; Mar. 31; Gaz. vol. 200; p. 1299.
- Golf-tee. E. C. Smith. No. 1,103,091; July 14; Gaz. vol. 204; p. 348.
- Goods-handling device. H. B. Winter. No. 1,109,730; Sept. 8; Gaz. vol. 206; p. 350.
- Goods lifter, Store. O. A. Fournet and S. S. Le Blanc. No. 1,087,649; Feb. 17; Gaz. vol. 199; p. 819.
- Gopher-trap. W. Buck. No. 1,105,586; July 28; Gaz. vol. 204; p. 1306.
- Gouge, Adjustable. A. B. Jackson. No. 1,107,523; Aug. 18; Gaz. vol. 205; p. 769.
- Governing mechanism. M. B. Carroll. No. 1,120,999; Dec. 15; Gaz. vol. 209; p. 814.

Alphabetical list of inventions—Continued.

- Governing mechanism. W. A. Doble. No. 1,109,209; Sept. 1; Gaz. vol. 206; p. 125.
- Governing mechanism. B. Krämer. No. 1,085,271; Jan. 27; Gaz. vol. 198; p. 769.
- Governing mechanism for prime movers and auxiliaries. R. F. Halliwell. No. 1,085,123; Jan. 27; Gaz. vol. 198; p. 717.
- Governing mechanism, Gas-engine-. P. J. Holm. No. 1,099,249; June 9; Gaz. vol. 203; p. 344.
- Governor. F. C. Bailey. No. 1,120,434; Dec. 8; Gaz. vol. 209; p. 568.
- Governor. O. D. H. Bentley. No. 1,103,024; July 14; Gaz. vol. 204; p. 326.
- Governor. A. J. Ormston. No. 1,102,069; June 30; Gaz. vol. 203; p. 1461.
- Governor. W. O. Platt. No. 1,121,201; Dec. 15; Gaz. vol. 209; p. 886.
- Governor. J. M. Primm. No. 1,090,500; Mar. 17; Gaz. vol. 200; p. 720.
- Governor. J. H. Russell. No. 1,094,023; Apr. 21; Gaz. vol. 201; p. 721.
- Governor. F. Stitzel. No. 1,122,328; Dec. 29; Gaz. vol. 209; p. 1351.
- Governor. E. F. Stoffel. No. 1,096,692; May 19; Gaz. vol. 202; p. 690.
- Governor and valve-gear for vapor-engines, Combined. G. W. Williams. No. 1,111,117; Sept. 22; Gaz. vol. 206; p. 923.
- Governor, Automatic engine-. W. Schmidt. No. 1,107,204; Aug. 11; Gaz. vol. 205; p. 609.
- Governor, Centrifugal. E. G. Crooks. No. 1,108,709; Aug. 25; Gaz. vol. 205; p. 1230.
- Governor, Centrifugal. C. Day and G. E. Windeler. (Re-issue.) No. 13,682; Feb. 3; Gaz. vol. 199; p. 264.
- Governor, Centrifugal. W. Jahns. No. 1,116,707; Nov. 10; Gaz. vol. 208; p. 471.
- Governor, Emergency-. F. W. Bentley. No. 1,092,968; Apr. 14; Gaz. vol. 201; p. 324.
- Governor, Engine-. F. X. Bache and W. W. Wells. No. 1,117,759; Nov. 17; Gaz. vol. 208; p. 881.
- Governor, Engine-. F. M. Leavitt. No. 1,088,079; Feb. 24; Gaz. vol. 199; p. 1013.
- Governor, Engine-. J. L. Osborne. No. 1,087,818; Feb. 17; Gaz. vol. 199; p. 875.
- Governor, Engine-. C. Reeves. No. 1,103,077; July 14; Gaz. vol. 204; p. 344.
- Governor, Engine-. W. Schmidt. No. 1,090,417; Mar. 17; Gaz. vol. 200; p. 690.
- Governor, Engine-. E. R. Storm. No. 1,115,984; Nov. 3; Gaz. vol. 208; p. 177.
- Governor, Explosive-engine. J. L. Schindler. No. 1,102,960; July 7; Gaz. vol. 204; p. 256.
- Governor for controlling the speed of engines and machinery. C. L. and F. W. Heisler. No. 1,099,364; June 9; Gaz. vol. 203; p. 386.
- Governor for engines, motors, or the like. E. D. Spicer. No. 1,109,022; Sept. 1; Gaz. vol. 206; p. 59.
- Governor for explosive-engines. C. Sintz. No. 1,117,608; Nov. 17; Gaz. vol. 208; p. 825.
- Governor for fire-engines. F. Hoffman. No. 1,093,585; Apr. 14; Gaz. vol. 201; p. 529.
- Governor for internal-combustion engines. W. H. Himes. No. 1,090,212; Mar. 17; Gaz. vol. 200; p. 617.
- Governor for internal-combustion engines. H. L. Horning. No. 1,104,119; July 21; Gaz. vol. 204; p. 746.
- Governor for internal-combustion engines, Throttle-. C. C. Riotte. No. 1,094,167; Apr. 21; Gaz. vol. 201; p. 770.
- Governor, Gas-engine. F. W. Ruggles. No. 1,102,085; June 30; Gaz. vol. 203; p. 1466.
- Governor, Gasoline-engine. H. D. Hill. No. 1,086,173; Feb. 3; Gaz. vol. 199; p. 211.
- Governor-head. R. O. Hendrickson. No. 1,093,852; Apr. 21; Gaz. vol. 201; p. 664.
- Governor, Marine. G. F. Beacroft and J. Lawson. No. 1,083,722; Jan. 6; Gaz. vol. 198; p. 154.
- Governor, Marine. S. Rumolino. No. 1,107,844; Aug. 18; Gaz. vol. 205; p. 884.
- Governor mechanism. N. Baldwin. No. 1,091,181; Mar. 24; Gaz. vol. 200; p. 983.
- Governor stop control and belt tightener. H. T. Morgan. No. 1,095,513; May 5; Gaz. vol. 202; p. 117.
- Governor - switch, Centrifugal. L. Schaeffer. No. 1,122,543; Dec. 29; Gaz. vol. 209; p. 1423.
- Governor, Vacuum-. F. W. Van Ness. No. 1,090,893; Mar. 24; Gaz. vol. 200; p. 882.
- Governors, Attachment for centrifugal. W. L. Wayrynen. No. 1,084,913; Jan. 20; Gaz. vol. 198; p. 610.
- Governors, Variable spring for. F. E. Norton. No. 1,096,386; May 12; Gaz. vol. 202; p. 449.
- Gown, Maternity-. E. Miles. No. 1,104,437; July 21; Gaz. vol. 204; p. 855.
- Grab-hook. C. B. Harp. No. 1,083,537; Jan. 6; Gaz. vol. 198; p. 92.
- Grade-finder. E. W. Neff. No. 1,101,319; June 23; Gaz. vol. 203; p. 1149.
- Grade-meter. J. K. Stewart. No. 1,083,639; Jan. 6; Gaz. vol. 198; p. 126.
- Grader. W. F. Wainright. No. 1,111,420; Sept. 22; Gaz. vol. 206; p. 1027.
- Grader, Adjustable. J. R. Nunamaker. No. 1,109,866; Sept. 8; Gaz. vol. 206; p. 397.
- Grader and roller, Combined road. J. F. Langer. No. 1,106,951; Aug. 11; Gaz. vol. 205; p. 522.
- Grader and scraper, Road. J. F. Bennett. No. 1,099,008; June 2; Gaz. vol. 203; p. 220.
- Grader, Land-. C. E. Bunker, Jr. No. 1,086,585; Feb. 10; Gaz. vol. 199; p. 398.
- Grader, Land-. C. H. Gunn. No. 1,096,166; May 12; Gaz. vol. 202; p. 373.
- Grader, Land-. M. P. Monte. No. 1,105,817; Aug. 4; Gaz. vol. 205; p. 81.
- Grader, Road-. D. W. King. No. 1,102,671; July 7; Gaz. vol. 204; p. 157.
- Grader, Road-. B. Whittemore. No. 1,117,467; Nov. 17; Gaz. vol. 208; p. 777.
- Grader, Wheeled. A. Morton and M. A. Braae. No. 1,108,925; Sept. 1; Gaz. vol. 206; p. 23.
- Grading finely-divided materials, Method and apparatus for. H. K. Hitchcock. No. 1,100,302; June 16; Gaz. vol. 203; p. 745.
- Grading-machine. S. W. Blevins. No. 1,120,179; Dec. 8; Gaz. vol. 209; p. 477.
- Grading-machine. L. F. Smith. No. 1,107,457; Aug. 18; Gaz. vol. 205; p. 747.
- Grading-machine. T. F. Stroud. No. 1,101,766; June 30; Gaz. vol. 203; p. 1352.
- Grading machine, Power cutting. A. F. Preston. No. 1,105,534; July 28; Gaz. vol. 204; p. 1288.
- Grading machine, Road-. E. J. Akins. No. 1,103,242; July 14; Gaz. vol. 204; p. 404.
- Grading machine, Road-. J. G. Miller. No. 1,114,173; Oct. 20; Gaz. vol. 207; p. 699.
- Grading machine, Road-. J. H. and R. G. Osten. No. 1,086,554; Feb. 10; Gaz. vol. 199; p. 385.
- Grading machine, Road-. H. and E. Whitney. No. 1,098,200; May 26; Gaz. vol. 202; p. 1166.
- Grain and seed cleaner. H. W. Smith. No. 1,097,887; May 26; Gaz. vol. 202; p. 1057.
- Grain and seed cleaner, separator, and grader. C. N. Hatfield. No. 1,087,765; Feb. 17; Gaz. vol. 199; p. 857.
- Grain-binder. T. L. Brandvold. No. 1,122,067; Dec. 22; Gaz. vol. 209; p. 1224.
- Grain-binder. J. E. and W. H. Powers. No. 1,088,795; Mar. 3; Gaz. vol. 200; p. 42.
- Grain-binder. J. A. Sharp. No. 1,113,697; Oct. 13; Gaz. vol. 207; p. 491.
- Grain-binders, Shock-forming attachment for. C. Barnum. No. 1,093,906; Apr. 21; Gaz. vol. 201; p. 682.
- Grain-binding tool. A. Hirth. No. 1,108,172; Aug. 25; Gaz. vol. 205; p. 1044.
- Grain cleaner and grader, Double suction. W. Watts. No. 1,096,335; May 12; Gaz. vol. 202; p. 434.
- Grain, Cleaning. C. D. Train. No. 1,118,078; Nov. 24; Gaz. vol. 208; p. 1031.
- Grain cleaning, drying, and storing apparatus. R. D. and R. D. Mayo. No. 1,094,452; Apr. 28; Gaz. vol. 201; p. 924.
- Grain-cleaning machine. L. A. Etchison. No. 1,117,822; Nov. 17; Gaz. vol. 208; p. 903.
- Grain-cleaning mill. H. E. Hoines. No. 1,088,577; Feb. 24; Gaz. vol. 199; p. 1178.
- Grain-conveyer. H. Maas. No. 1,122,619; Dec. 29; Gaz. vol. 209; p. 1450.
- Grain-drier. L. J. Dennis. No. 1,084,732; Jan. 20; Gaz. vol. 198; p. 549.
- Grain-drying apparatus. E. H. Reynolds. No. 1,100,397; June 16; Gaz. vol. 203; p. 778.
- Grain-drill. W. W. Cameron. No. 1,118,918; Dec. 1; Gaz. vol. 209; p. 4.
- Grain-drill. R. C. Grigg. No. 1,101,695; June 30; Gaz. vol. 203; p. 1329.
- Grain-drill. J. Roemer. No. 1,120,087; Dec. 8; Gaz. vol. 209; p. 443.
- Grain-drill attachment. M. L. Akers. No. 1,104,602; July 21; Gaz. vol. 204; p. 915.
- Grain-drill feeder. M. Dueber. No. 1,112,275; Sept. 29; Gaz. vol. 206; p. 1360.
- Grain-drill, Single-disk. C. B. Dempster, W. Elliott, and R. H. Schlachter. No. 1,085,551; Jan. 27; Gaz. vol. 198; p. 861.
- Grain-elevator. A. B. De Moure. No. 1,106,632; Aug. 11; Gaz. vol. 205; p. 411.
- Grain-elevator. H. O. Kise. No. 1,087,667; Feb. 17; Gaz. vol. 199; p. 825.
- Grain-grader. G. H. Rich. No. 1,120,083; Dec. 8; Gaz. vol. 209; p. 442.
- Grain header and conveyer. A. J. Meeks. No. 1,092,735; Apr. 7; Gaz. vol. 201; p. 210.
- Grain-headers, Rotary barge for. J. Peoples. No. 1,110,457; Sept. 15; Gaz. vol. 206; p. 649.
- Grain-heading machine. C. Wood. No. 1,100,514; June 16; Gaz. vol. 203; p. 816.
- Grain-heater. F. Brehner. No. 1,095,375; May 5; Gaz. vol. 202; p. 69.
- Grain-heater. T. F. Morse. No. 1,088,357; Feb. 24; Gaz. vol. 199; p. 1107.
- Grain-loaders, Adjustable grain-spout holder for. J. A. Engelhart. No. 1,090,291; Mar. 17; Gaz. vol. 200; p. 645.

Alphabetical list of inventions—Continued.

- Grain-measuring device. C. A. Bornstedt. No. 1,119,059; Dec. 1; Gaz. vol. 209; p. 57.
- Grain, Purifying. E. H. Reynolds. No. 1,087,684; Feb. 17; Gaz. vol. 199; p. 831.
- Grain-rack attachment. E. Gerdin. No. 1,090,610; Mar. 17; Gaz. vol. 200; p. 758.
- Grain-saver. V. F. Mikolasek. No. 1,110,703; Sept. 15; Gaz. vol. 206; p. 736.
- Grain-saving device. D. W. Bohannon. No. 1,119,677; Dec. 1; Gaz. vol. 209; p. 267.
- Grain-saving device. B. G. Nelson. No. 1,084,953; Jan. 20; Gaz. vol. 198; p. 623.
- Grain-scourer. J. B. Cornwall. No. 1,104,631; July 21; Gaz. vol. 204; p. 924.
- Grain-scouring device. S. S. Hess. No. 1,089,052; Mar. 3; Gaz. vol. 200; p. 129.
- Grain-scouring machine. J. R. McAtee. No. 1,097,815; May 26; Gaz. vol. 202; p. 1032.
- Grain-segregator. J. Y. Field. No. 1,094,646; Apr. 28; Gaz. vol. 201; p. 993.
- Grain-separator. L. De Vos and A. F. Sanders. No. 1,083,437; Jan. 6; Gaz. vol. 198; p. 60.
- Grain-separator. A. S. Frosolid. No. 1,096,707; May 12; Gaz. vol. 202; p. 556.
- Grain-separator. H. Hofmann. No. 1,093,853; Apr. 21; Gaz. vol. 201; p. 665.
- Grain-separator. H. F. Hutton. No. 1,098,803; June 2; Gaz. vol. 203; p. 151.
- Grain-separator. T. F. Morse. No. 1,109,299; Sept. 1; Gaz. vol. 206; p. 156.
- Grain-separator. R. J. Owens. No. 1,095,592; May 5; Gaz. vol. 202; p. 143.
- Grain-separator. C. Seagren. No. 1,112,848; Oct. 6; Gaz. vol. 207; p. 153.
- Grain-separator-feeding device. A. S. Frosolid and G. Troseth. No. 1,096,706; May 12; Gaz. vol. 202; p. 556.
- Grain-separators, Automatic feeder for. W. C. Leonard. No. 1,104,122; July 21; Gaz. vol. 204; p. 747.
- Grain-shocker. G. E. Campbell. No. 1,092,092; Mar. 31; Gaz. vol. 200; p. 1335.
- Grain-shocker. G. J. Glenn. No. 1,114,133; Oct. 20; Gaz. vol. 207; p. 683.
- Grain-shocker. C. Henry. No. 1,099,176; June 9; Gaz. vol. 203; p. 319.
- Grain-shocker. C. H. Lindekugel. No. 1,088,829; Mar. 3; Gaz. vol. 200; p. 53.
- Grain-shocking machine. J. E. Griffith. No. 1,117,836; Nov. 17; Gaz. vol. 208; p. 908.
- Grain-shocking machine. C. A. Ulmer. No. 1,084,507; Jan. 13; Gaz. vol. 198; p. 440.
- Grain-smut cleaner. O. J. and H. Erickson. No. 1,117,821; Nov. 17; Gaz. vol. 208; p. 903.
- Grain-stooker. R. Hammond. No. 1,092,356; Apr. 7; Gaz. vol. 201; p. 80.
- Grain-tester and seed-separator. A. E. Engelstad. No. 1,087,746; Feb. 17; Gaz. vol. 199; p. 851.
- Grain to filamentous form, Mechanism for reducing. T. C. Nixon. No. 1,106,962; Aug. 11; Gaz. vol. 205; p. 526.
- Grain-treating machine. C. C. Spent and L. E. Weeks. No. 1,116,945; Nov. 10; Gaz. vol. 208; p. 554.
- Grain, Treatment of seed-. H. E. Fry. No. 1,106,039; Aug. 4; Gaz. vol. 205; p. 159.
- Graining-tool. T. J. McElhenie. No. 1,120,832; Dec. 15; Gaz. vol. 209; p. 756.
- Graining-tool. T. J. McElhenie. No. 1,121,272; Dec. 15; Gaz. vol. 209; p. 909.
- Graining-tool. T. J. McElhenie. No. 1,121,273; Dec. 15; Gaz. vol. 209; p. 910.
- Graining-tool. T. J. McElhenie. No. 1,121,274; Dec. 15; Gaz. vol. 209; p. 910.
- Granary, Ventilated. W. Elliott. No. 1,119,941; Dec. 8; Gaz. vol. 209; p. 394.
- Gramophone needle or stylus. M. A. Possons. No. 1,103,829; July 14; Gaz. vol. 204; p. 606.
- Gramophone stop or brake, Automatic. J. A. C. Hiett. No. 1,123,125; Dec. 29; Gaz. vol. 209; p. 1629.
- Granular material, Apparatus for treating. L. Topf. No. 1,094,178; Apr. 21; Gaz. vol. 201; p. 774.
- Granular materials, Drying or cooling. E. Bornmann. No. 1,102,714; July 7; Gaz. vol. 204; p. 172.
- Granulating-machine for medicinal and like preparations. E. Worsley. No. 1,119,382; Dec. 1; Gaz. vol. 209; p. 167.
- Grape crusher, stemmer, and must-pump, Combined. A. Rossi. No. 1,094,817; Apr. 28; Gaz. vol. 201; p. 1054.
- Graphic recorder. C. B. Thwing. No. 1,085,511; Jan. 27; Gaz. vol. 198; p. 849.
- Graphic recorder. C. B. Thwing. No. 1,119,665; Dec. 1; Gaz. vol. 209; p. 263.
- Graphite conductor. W. C. Arsem. No. 1,091,616; Mar. 31; Gaz. vol. 200; p. 1172.
- Graphite-feeder, Automatic. G. Kirkegaard. No. 1,101,454; June 23; Gaz. vol. 203; p. 1193.
- Graphophone. J. A. Weser. No. 1,100,107; June 16; Gaz. vol. 203; p. 677.
- Graphophone and gramophone sound-box. A. L. Roethe. No. 1,113,911; Oct. 13; Gaz. vol. 207; p. 566.
- Graphophone and talking-machine. K. A. Maurer. No. 1,099,458; June 9; Gaz. vol. 203; p. 417.
- Graphophone, Cabineted. W. C. Fuhri. No. 1,099,353; June 9; Gaz. vol. 203; p. 382.
- Graphophone, Dictation-. T. H. Macdonald. No. 1,100,024; June 16; Gaz. vol. 203; p. 647.
- Graphophone-record cleaner. W. G. Pearson. No. 1,102,073; June 30; Gaz. vol. 203; p. 1463.
- Graphophones and like instruments, Stylus-holder for. M. H. Fischer. No. 1,120,141; Dec. 8; Gaz. vol. 209; p. 463.
- Grapple. O. Crosby, E. A. Wilhelm, and H. L. Brink. No. 1,093,832; Apr. 21; Gaz. vol. 201; p. 658.
- Grapple. O. Crosby, H. L. Brink, and E. A. Wilhelm. No. 1,093,833; Apr. 21; Gaz. vol. 201; p. 658.
- Grapple. O. Crosby, E. A. Wilhelm, and H. L. Brink. No. 1,093,834; Apr. 21; Gaz. vol. 201; p. 659.
- Grapple. J. H. Cubbison. No. 1,096,288; May 12; Gaz. vol. 202; p. 417.
- Grass-cutter. A. Hougen. No. 1,115,314; Oct. 27; Gaz. vol. 207; p. 1154.
- Grass-cutting device. J. H. Berry. No. 1,090,267; Mar. 17; Gaz. vol. 200; p. 637.
- Grass-destroying machine. P. R. Jacobson. No. 1,114,618; Oct. 20; Gaz. vol. 207; p. 853.
- Grass digger, Quack-. M. Kuefler. No. 1,102,518; July 7; Gaz. vol. 204; p. 103.
- Grass-hook. H. Volckmann. No. 1,091,549; Mar. 31; Gaz. vol. 200; p. 1149.
- Grass-shears. P. F. Ryan. No. 1,107,227; Aug. 11; Gaz. vol. 205; p. 617.
- Grass-trimmer. C. Nystrom. No. 1,108,611; Aug. 25; Gaz. vol. 205; p. 1198.
- Grate. A. B. Coates. No. 1,102,139; June 30; Gaz. vol. 203; p. 1485.
- Grate. A. B. Coates. No. 1,119,808; Dec. 8; Gaz. vol. 209; p. 348.
- Grate. T. R. Cook. No. 1,108,887; Sept. 1; Gaz. vol. 206; p. 8.
- Grate. P. P. Gredell. No. 1,112,999; Oct. 6; Gaz. vol. 207; p. 204.
- Grate. H. F. Langenhop. No. 1,089,231; Mar. 3; Gaz. vol. 200; p. 192.
- Grate. H. F. Langenhop. No. 1,114,488; Oct. 20; Gaz. vol. 207; p. 813.
- Grate. J. Nicholson. No. 1,122,216; Dec. 22; Gaz. vol. 209; p. 1272.
- Grate. J. Reagan. No. 1,112,383; Sept. 29; Gaz. vol. 206; p. 1398.
- Grate. J. F. Rothe. No. 1,117,249; Nov. 17; Gaz. vol. 208; p. 700.
- Grate. R. M. and C. C. Sprague. No. 1,089,682; Mar. 10; Gaz. vol. 200; p. 394.
- Grate, Air-feeding and air-operated. A. E. Shultz. No. 1,107,121; Aug. 11; Gaz. vol. 205; p. 576.
- Grate-bar. G. E. Camp. No. 1,089,317; Mar. 3; Gaz. vol. 200; p. 219.
- Grate-bar. J. H. Dietz. No. 1,111,059; Sept. 22; Gaz. vol. 206; p. 903.
- Grate-bar. J. B. Edwards. No. 1,096,697; May 12; Gaz. vol. 202; p. 553.
- Grate-bar. T. H. Sly. No. 1,114,195; Oct. 20; Gaz. vol. 207; p. 706.
- Grate-bar. B. C. Stewart. No. 1,107,860; Aug. 18; Gaz. vol. 205; p. 889.
- Grate-bar. L. G. Van Nostrand. No. 1,122,338; Dec. 29; Gaz. vol. 209; p. 1354.
- Grate-bar. C. R. Waid. No. 1,104,853; July 28; Gaz. vol. 204; p. 1049.
- Grate-bar, Forced-draft hollow. J. H. Dietz. No. 1,100,125; June 16; Gaz. vol. 203; p. 683.
- Grate, Chain. P. L. Crowe and A. Frankenheim. No. 1,115,904; Nov. 3; Gaz. vol. 208; p. 149.
- Grate, Collapsible. S. C. H. Dix. No. 1,102,649; July 7; Gaz. vol. 204; p. 151.
- Grate, Dumping-. G. H. Thacher, Jr. No. 1,109,265; Sept. 1; Gaz. vol. 206; p. 145.
- Grate, Dumping-. E. A. Wildt. No. 1,100,412; June 16; Gaz. vol. 203; p. 784.
- Grate, Fire-. E. A. Laughlin. No. 1,118,501; Nov. 24; Gaz. vol. 208; p. 1179.
- Grate for sintering-pans. J. E. Greenawalt. No. 1,098,035; May 26; Gaz. vol. 202; p. 1110.
- Grate, Forced-draft. R. G. Long. No. 1,089,237; Mar. 3; Gaz. vol. 200; p. 194.
- Grate mechanism. W. L. Mersfelder. No. 1,097,556; May 19; Gaz. vol. 202; p. 894.
- Grate-operating apparatus. H. Dikeman. No. 1,112,527; Oct. 6; Gaz. vol. 207; p. 40.
- Grate, Sectional shaking and dumping. C. T. Coe. No. 1,098,228; May 26; Gaz. vol. 202; p. 1175.
- Grate, Sectional shaking and dumping. C. T. Coe. No. 1,121,001; Dec. 15; Gaz. vol. 209; p. 815.
- Grate-shaker. J. A. Dempsey. No. 1,093,386; Apr. 14; Gaz. vol. 201; p. 469.
- Grate-shaker. A. W. Walker. No. 1,107,466; Aug. 18; Gaz. vol. 205; p. 751.
- Grates, Shaker-bar for fire-. D. Buisson. No. 1,111,133; Sept. 22; Gaz. vol. 206; p. 928.
- Grate-shaking guard. J. L. Spani. No. 1,092,546; Apr. 7; Gaz. vol. 201; p. 146.

Alphabetical list of inventions—Continued.

- Grate, Water-. L. G. Bailey. No. 1,119,216; Dec. 1; Gaz. vol. 209; p. 111.
- Grate, Water-. W. E. Rhodes and E. W. Potter. No. 1,105,926; Aug. 4; Gaz. vol. 205; p. 119.
- Grates, Spacing mechanism for pulverizing-. H. J. Shelton. No. 1,085,638; Feb. 3; Gaz. vol. 199; p. 21.
- Grates, Supporting mechanism for endless traveling. F. M. Clark. No. 1,094,703; Apr. 28; Gaz. vol. 201; p. 1014.
- Grates, Warming or cooking attachment for. D. Council. No. 1,088,542; Feb. 24; Gaz. vol. 199; p. 1167.
- Grater. J. H. Boye. No. 1,111,356; Sept. 22; Gaz. vol. 206; p. 1005.
- Grater and slicer. H. F. Balgeman. No. 1,085,842; Feb. 3; Gaz. vol. 199; p. 94.
- Grating. F. E. Canda. No. 1,109,613; Sept. 1; Gaz. vol. 206; p. 264.
- Grating. A. Darroch. No. 1,092,094; Mar. 31; Gaz. vol. 200; p. 1336.
- Grave-marker. H. E. Kimball. No. 1,095,885; May 5; Gaz. vol. 202; p. 242.
- Gravel-machine. H. T. Sykes. No. 1,104,576; July 21; Gaz. vol. 204; p. 906.
- Gravity-carrier. F. E. Moore. No. 1,102,161; June 30; Gaz. vol. 203; p. 1492.
- Grease-cup. W. D. Banes. No. 1,091,032; Mar. 24; Gaz. vol. 200; p. 932.
- Grease-cup. J. H. Bennett. No. 1,108,680; Aug. 25; Gaz. vol. 205; p. 1221.
- Grease-cup. R. S. Berger. No. 1,095,546; May 5; Gaz. vol. 202; p. 129.
- Grease-cup. H. A. Brockhaus. No. 1,088,804; Mar. 3; Gaz. vol. 200; p. 44.
- Grease-cup. C. H. Clark. No. 1,088,538; Feb. 24; Gaz. vol. 199; p. 1166.
- Grease-cup. N. W. Cummins. No. 1,086,030; Feb. 3; Gaz. vol. 199; p. 162.
- Grease-cup. N. W. Cummins. No. 1,086,702; Feb. 10; Gaz. vol. 199; p. 437.
- Grease-cup. N. W. Cummins. No. 1,088,770; Mar. 3; Gaz. vol. 200; p. 33.
- Grease-cup. R. Ehrlich. No. 1,110,120; Sept. 8; Gaz. vol. 206; p. 490.
- Grease-cup. H. L. Halverson. No. 1,118,002; Nov. 24; Gaz. vol. 208; p. 1004.
- Grease-cup. C. F. Johnson. No. 1,102,414; July 7; Gaz. vol. 204; p. 68.
- Grease-cup. R. M. Musgrove and F. R. Howard. No. 1,106,153; Aug. 4; Gaz. vol. 205; p. 199.
- Grease-cup. J. H. and E. T. Neller. No. 1,092,161; Apr. 7; Gaz. vol. 201; p. 13.
- Grease-cup. J. O'Connor. No. 1,103,156; July 14; Gaz. vol. 204; p. 373.
- Grease-cup. T. O. Organ. No. 1,104,540; July 21; Gaz. vol. 204; p. 894.
- Grease-cup. T. O. Organ. No. 1,121,392; Dec. 15; Gaz. vol. 209; p. 951.
- Grease-cup. A. C. Paulsmeier. No. 1,101,952; June 30; Gaz. vol. 203; p. 1419.
- Grease-cup. F. D. Philp. No. 1,085,478; Jan. 27; Gaz. vol. 198; p. 838.
- Grease-cup. E. H. Presbrey. No. 1,093,472; Apr. 14; Gaz. vol. 201; p. 495.
- Grease-cup. E. H. Presbrey. No. 1,121,129; Dec. 15; Gaz. vol. 209; p. 862.
- Grease-cup. A. R. Pribil. No. 1,107,350; Aug. 18; Gaz. vol. 205; p. 708.
- Grease-cup. E. R. Stoddard. No. 1,113,586; Oct. 13; Gaz. vol. 207; p. 453.
- Grease-cup. L. N. Vincent. No. 1,115,623; Nov. 3; Gaz. vol. 208; p. 52.
- Grease-cup. R. M. Wahlen. No. 1,099,526; June 9; Gaz. vol. 203; p. 440.
- Grease-cup. O. Zerk. No. 1,100,814; June 23; Gaz. vol. 203; p. 972.
- Grease-cup. O. Zerk. No. 1,109,641; Sept. 1; Gaz. vol. 206; p. 276.
- Grease-cup, Automatic. J. F. Lewis. No. 1,094,730; Apr. 28; Gaz. vol. 201; p. 1025.
- Grease-cup, Automatic-feeding. V. Gazzolo. No. 1,115,658; Nov. 3; Gaz. vol. 208; p. 66.
- Grease-cup, Automatic-feeding. J. F. Platner. No. 1,101,092; June 23; Gaz. vol. 203; p. 1071.
- Grease-cup closure. W. D. Banes. No. 1,091,110; Mar. 24; Gaz. vol. 200; p. 958.
- Grease-cup-locking device. A. Triou. No. 1,090,766; Mar. 17; Gaz. vol. 200; p. 806.
- Grease-gun-filling device. W. H. Edmunds. No. 1,110,909; Sept. 15; Gaz. vol. 206; p. 809.
- Grease-separator. W. J. Baldwin and J. M. Taggart. No. 1,119,565; Dec. 1; Gaz. vol. 209; p. 230.
- Greenhouse construction. A. Eichhorn. No. 1,101,418; June 23; Gaz. vol. 203; p. 1181.
- Greenhouse construction. M. I. Jacobs. No. 1,103,773; July 14; Gaz. vol. 204; p. 587.
- Griddle. T. J. Nash. No. 1,107,987; Aug. 18; Gaz. vol. 205; p. 932.
- Grinder. C. R. Button. No. 1,087,527; Feb. 17; Gaz. vol. 199; p. 774.
- Grinder. B. L. Fry. No. 1,100,722; June 23; Gaz. vol. 203; p. 941.
- Grinder. W. S. Porter. No. 1,119,723; Dec. 1; Gaz. vol. 209; p. 282.
- Grinder, Adjustable. F. Ogden. No. 1,103,319; July 14; Gaz. vol. 204; p. 396.
- Grinder, Combined knife and shears. S. M. Hershey. No. 1,097,226; May 19; Gaz. vol. 202; p. 783.
- Grinder, Corn-removing. T. J. Weeks. No. 1,096,875; May 19; Gaz. vol. 202; p. 658.
- Grinder, Knife-. R. B. Cochran. No. 1,103,941; July 21; Gaz. vol. 204; p. 686.
- Grinder, Knife and scissors. O. L. Neisler. No. 1,114,634; Oct. 20; Gaz. vol. 207; p. 859.
- Grinder, Lawn-mower. J. H. Schlegel. No. 1,097,267; May 19; Gaz. vol. 202; p. 797.
- Grinder, Live-stock-feed. C. C. Bogle. No. 1,100,517; June 16; Gaz. vol. 203; p. 817.
- Grinder, Motor-knife. A. P. Redden. No. 1,085,876; Feb. 3; Gaz. vol. 199; p. 105.
- Grinder, Portable. M. F. Apgar. No. 1,085,840; Feb. 3; Gaz. vol. 199; p. 93.
- Grinder, Tire-. J. Dailey and D. Bertolino. No. 1,092,026; Mar. 31; Gaz. vol. 200; p. 1311.
- Grinder, Tool-. H. C. Elvers. No. 1,121,995; Dec. 22; Gaz. vol. 209; p. 1199.
- Grinder, Twist-drill. H. M. Bogart. No. 1,093,028; Apr. 14; Gaz. vol. 201; p. 344.
- Grinders, Adjustable head for band-saw. J. P. Hedstrom. No. 1,102,504; July 7; Gaz. vol. 204; p. 98.
- Grinders, Dust-collector for. M. B. Giberson. No. 1,094,553; Apr. 28; Gaz. vol. 201; p. 959.
- Grinders, Head-stock for. G. C. Kimmel. No. 1,102,417; July 7; Gaz. vol. 204; p. 69.
- Grinders, Propulsion mechanism for rail-. W. D. Gherky. No. 1,095,995; May 5; Gaz. vol. 202; p. 279.
- Grinding and crushing roll. E. A. Wall. No. 1,098,417; June 2; Gaz. vol. 203; p. 21.
- Grinding and disintegrating machine. F. L. Kinsey. (Re-issue.) No. 13,820; Oct. 27; Gaz. vol. 207; p. 1214.
- Grinding and granulating mill, Cereal. E. L. Romick. No. 1,115,245; Oct. 27; Gaz. vol. 207; p. 1130.
- Grinding and polishing cone. C. M. Koontz. No. 1,119,760; Dec. 1; Gaz. vol. 209; p. 294.
- Grinding and polishing machine. N. J. Downey and S. Kunkumian. No. 1,091,489; Mar. 31; Gaz. vol. 200; p. 1128.
- Grinding and polishing machine. E. L. French and G. W. Stephenson. No. 1,111,254; Sept. 22; Gaz. vol. 206; p. 970.
- Grinding and polishing machine. A. Kingsbury. No. 1,117,501; Nov. 17; Gaz. vol. 208; p. 789.
- Grinding and polishing machine. R. Ochsheim. No. 1,088,922; Mar. 3; Gaz. vol. 200; p. 85.
- Grinding and polishing machine, Stone. G. Böhringer. No. 1,083,480; Jan. 6; Gaz. vol. 198; p. 7.
- Grinding and reducing apparatus. T. Kihlgren. No. 1,098,325; May 26; Gaz. vol. 202; p. 1211.
- Grinding and sharpening machine, Blade. L. J. Odell. No. 1,111,315; Sept. 22; Gaz. vol. 206; p. 990.
- Grinding and sharpening razors, knives, and the like, Apparatus for. E. Goolnik. No. 1,113,210; Oct. 13; Gaz. vol. 207; p. 320.
- Grinding and truing appliance for shafts. H. A. White. No. 1,117,734; Nov. 17; Gaz. vol. 208; p. 872.
- Grinding apparatus. J. A. Bechtel. No. 1,089,894; Mar. 10; Gaz. vol. 200; p. 466.
- Grinding apparatus. B. Fischer. No. 1,101,171; June 23; Gaz. vol. 203; p. 1097.
- Grinding apparatus, Applying abrasives to. H. K. Hitchcock. No. 1,099,366; June 9; Gaz. vol. 203; p. 387.
- Grinding apparatus, Flat-drill-. J. S. Wincrantz. No. 1,110,366; Sept. 15; Gaz. vol. 206; p. 616.
- Grinding apparatus, Manufacture of. E. Richter. No. 1,100,845; June 23; Gaz. vol. 203; p. 983.
- Grinding attachment. A. Blom. No. 1,118,627; Nov. 24; Gaz. vol. 208; p. 1124.
- Grinding attachment, Drill-. M. Wagner. No. 1,107,229; Aug. 11; Gaz. vol. 205; p. 618.
- Grinding attachment, Twist-drill-. J. S. Wincrantz. No. 1,106,692; Aug. 11; Gaz. vol. 205; p. 431.
- Grinding device. H. W. Abbott. No. 1,086,743; Feb. 10; Gaz. vol. 199; p. 451.
- Grinding-disk. R. A. Reynolds. No. 1,109,361; Sept. 1; Gaz. vol. 206; p. 180.
- Grinding-disk for coffee-mills and the like. H. L. Johnston. No. 1,089,413; Mar. 10; Gaz. vol. 200; p. 299.
- Grinding hobs, milling-cutters, and the like, Machine for. P. Brown and F. J. Bostock. No. 1,100,528; June 16; Gaz. vol. 203; p. 821.
- Grinding implement. S. Menyhért and V. Smith. No. 1,089,247; Mar. 3; Gaz. vol. 200; p. 197.
- Grinding-jig, Hand. E. F. G. Gibbs. No. 1,120,926; Dec. 15; Gaz. vol. 209; p. 790.
- Grinding-machine. C. Bartels. No. 1,100,704; June 23; Gaz. vol. 203; p. 935.
- Grinding-machine. C. Blecher. No. 1,109,277; Sept. 1; Gaz. vol. 206; p. 149.
- Grinding-machine. P. Bogey. No. 1,088,872; Mar. 3; Gaz. vol. 200; p. 68.
- Grinding-machine. F. E. Brightman. No. 1,116,557; Nov. 10; Gaz. vol. 208; p. 416.

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- Grinding-machine. L. W. Bugbee. No. 1,113,930; Oct. 13; Gaz. vol. 207; p. 572.
- Grinding-machine. W. D. Gherky. No. 1,095,963; May 5; Gaz. vol. 202; p. 267.
- Grinding-machine. W. D. Gherky. No. 1,096,005; May 5; Gaz. vol. 202; p. 282.
- Grinding-machine. R. H. Grant. No. 1,106,803; Aug. 11; Gaz. vol. 205; p. 469.
- Grinding-machine. C. B. Hess. No. 1,085,863; Feb. 3; Gaz. vol. 199; p. 101.
- Grinding-machine. A. Hormel. No. 1,108,176; Aug. 25; Gaz. vol. 205; p. 1045.
- Grinding-machine. K. Krug. No. 1,102,344; July 7; Gaz. vol. 204; p. 43.
- Grinding-machine. W. Lewis. No. 1,119,022; Dec. 1; Gaz. vol. 209; p. 43.
- Grinding-machine. J. J. Lichter and J. N. Maher. No. 1,112,015; Sept. 29; Gaz. vol. 206; p. 1268.
- Grinding-machine. H. B. Nichols. No. 1,096,007; May 5; Gaz. vol. 202; p. 282.
- Grinding-machine. R. M. Nicolaysen and H. H. La Vercombe. No. 1,101,505; June 23; Gaz. vol. 203; p. 1213.
- Grinding-machine. E. O. Partridge. No. 1,100,610; June 16; Gaz. vol. 203; p. 847.
- Grinding-machine. A. L. Price. No. 1,118,798; Nov. 24; Gaz. vol. 208; p. 1280.
- Grinding-machine. H. T. Shearer. No. 1,087,072; Feb. 10; Gaz. vol. 199; p. 562.
- Grinding-machine. H. T. Shearer. No. 1,113,914; Oct. 13; Gaz. vol. 207; p. 567.
- Grinding-machine. J. C. Spence. No. 1,121,773; Dec. 22; Gaz. vol. 209; p. 1119.
- Grinding-machine. C. E. Van Norman. No. 1,102,558; July 7; Gaz. vol. 204; p. 118.
- Grinding-machine. O. S. Walker. No. 1,091,407; Mar. 24; Gaz. vol. 200; p. 1056.
- Grinding-machine attachment. M. Wagner. No. 1,101,593; June 30; Gaz. vol. 203; p. 1294.
- Grinding-machine attachment. J. S. Wincrantz. No. 1,113,394; Oct. 13; Gaz. vol. 207; p. 386.
- Grinding machine, Cylindrical. M. Milkop. No. 1,114,376; Oct. 20; Gaz. vol. 207; p. 770.
- Grinding-machine, Cylindrical. C. H. Norton. No. 1,119,717; Dec. 1; Gaz. vol. 209; p. 280.
- Grinding machine, Drill. W. C. Burner. No. 1,109,320; Sept. 1; Gaz. vol. 206; p. 164.
- Grinding-machine for band-saws. L. W. Myrick. No. 1,104,698; July 21; Gaz. vol. 204; p. 946.
- Grinding-machine for flat-surface grinding, Emery. A. Schoeller. No. 1,083,948; Jan. 13; Gaz. vol. 198; p. 256.
- Grinding-machine gear-casing. J. M. Thompson. No. 1,089,022; Mar. 3; Gaz. vol. 200; p. 119.
- Grinding machine, Knife. J. P. Hedstrom. No. 1,106,560; Aug. 11; Gaz. vol. 205; p. 385.
- Grinding machine, Monorail. W. D. Gherky. No. 1,095,964; May 5; Gaz. vol. 202; p. 267.
- Grinding-machine, Motor. F. H. Reagan and A. G. Phillips. No. 1,094,811; Apr. 28; Gaz. vol. 201; p. 1052.
- Grinding-machine, Portable. C. G. Lundstrom. No. 1,092,277; Apr. 7; Gaz. vol. 201; p. 53.
- Grinding machine, Shear-blade. C. H. Hemming. No. 1,097,802; May 26; Gaz. vol. 202; p. 1028.
- Grinding machine, Shell. F. Di Gianni. No. 1,085,381; Jan. 27; Gaz. vol. 198; p. 808.
- Grinding machine, Stay. H. A. Keeler. No. 1,122,943; Dec. 29; Gaz. vol. 209; p. 1564.
- Grinding machine, Stay. N. De Long. No. 1,102,211; June 30; Gaz. vol. 203; p. 1512.
- Grinding machine, Surface. C. H. Norton. No. 1,108,779; Aug. 25; Gaz. vol. 205; p. 1253.
- Grinding-machine-truing device. C. W. Beam. No. 1,089,455; Mar. 10; Gaz. vol. 200; p. 314.
- Grinding machine, Union. H. G. Carlson. No. 1,120,278; Dec. 8; Gaz. vol. 209; p. 512.
- Grinding-machines, Abrading device for. G. Pointon. No. 1,100,612; June 16; Gaz. vol. 203; p. 848.
- Grinding-machines, Applying abrasives to. H. K. Hitchcock. No. 1,089,705; Mar. 10; Gaz. vol. 200; p. 401.
- Grinding-machines, Cam-grinder attachment for. H. T. Shearer. No. 1,115,596; Nov. 3; Gaz. vol. 208; p. 43.
- Grinding-machines, lathes, and like machine-tools, Work-holding means for. A. W. Smith. No. 1,100,265; June 16; Gaz. vol. 203; p. 732.
- Grinding-machines, Sickle-bar-holding attachment for. B. F. Clark. No. 1,107,033; Aug. 11; Gaz. vol. 205; p. 547.
- Grinding-machines, Steady-rest for use on. C. H. Norton. No. 1,119,031; Dec. 1; Gaz. vol. 209; p. 47.
- Grinding-machines, Truing-tool holder for. W. S. Davenport. No. 1,110,424; Sept. 15; Gaz. vol. 206; p. 637.
- Grinding machinery. J. Morat. No. 1,110,222; Sept. 8; Gaz. vol. 206; p. 525.
- Grinding mechanism, Applying abrading material to. J. A. Bechtel. No. 1,089,895; Mar. 10; Gaz. vol. 200; p. 467.
- Grinding-mill. E. R. Draver. No. 1,097,040; May 19; Gaz. vol. 202; p. 704.
- Grinding-mill. A. J. Sackett. No. 1,098,174; May 26; Gaz. vol. 202; p. 1157.
- Grinding-mill. H. C. Strack. No. 1,111,770; Sept. 29; Gaz. vol. 206; p. 1185.
- Grinding-mill. E. Twigg. No. 1,114,657; Oct. 20; Gaz. vol. 207; p. 868.
- Grinding-mill. J. Walker. No. 1,114,320; Oct. 20; Gaz. vol. 207; p. 750.
- Grinding-mill. J. A. Welton. No. 1,087,415; Feb. 17; Gaz. vol. 199; p. 734.
- Grinding-mill-adjusting mechanism. H. W. Spellman and E. Twigg. No. 1,105,380; July 23; Gaz. vol. 204; p. 1236.
- Grinding mill, Cheese. L. Donisi. No. 1,106,931; Aug. 11; Gaz. vol. 205; p. 515.
- Grinding-mill, Pebble. H. D. McLeod. No. 1,110,069; Sept. 8; Gaz. vol. 206; p. 470.
- Grinding or drum-sanding machine. J. Miller, Jr. No. 1,107,338; Aug. 18; Gaz. vol. 205; p. 704.
- Grinding or polishing machine. W. V. Robinson. No. 1,114,809; Oct. 27; Gaz. vol. 207; p. 974.
- Grinding or polishing machine. H. W. Winter. No. 1,115,640; Nov. 3; Gaz. vol. 208; p. 59.
- Grinding or polishing wheel. F. N. and F. E. Gardner. No. 1,107,512; Aug. 18; Gaz. vol. 205; p. 766.
- Grinding or pulping machine. F. L. McKinnon. No. 1,099,187; June 9; Gaz. vol. 203; p. 323.
- Grinding ores and other materials, Apparatus for. H. W. Hardinge. No. 1,115,531; Nov. 3; Gaz. vol. 208; p. 22.
- Grinding-pans, Center-bearing for. C. M. Wall. No. 1,090,667; Mar. 17; Gaz. vol. 200; p. 776.
- Grinding-plate. E. Posselt. No. 1,109,459; Sept. 1; Gaz. vol. 206; p. 212.
- Grinding rolls. C. H. Norton. No. 1,096,189; May 12; Gaz. vol. 202; p. 380.
- Grinding rolls, Apparatus for. C. H. Norton. No. 1,096,188; May 12; Gaz. vol. 202; p. 380.
- Grinding rough-forged blades of knives and other cutting instruments, Machine for. P. Perognat. No. 1,107,997; Aug. 18; Gaz. vol. 205; p. 936.
- Grinding slabs, Machine for. P. Richter. No. 1,088,297; Feb. 24; Gaz. vol. 199; p. 1087.
- Grinding stone, Pulp. J. J. Case. No. 1,091,037; Mar. 24; Gaz. vol. 200; p. 933.
- Grinding stones, Dressing wood-pulp. E. F. Millard. No. 1,118,671; Nov. 24; Gaz. vol. 208; p. 1239.
- Grinding tool, Valve. H. R. Parsons. No. 1,091,954; Mar. 31; Gaz. vol. 200; p. 1290.
- Grinding-wheel. F. B. Jacobs. No. 1,089,766; Mar. 10; Gaz. vol. 200; p. 422.
- Grinding-wheel. A. Monkiewicz. No. 1,092,588; Apr. 7; Gaz. vol. 201; p. 160.
- Grinding-wheel-shaping device. A. White. No. 1,112,104; Sept. 29; Gaz. vol. 206; p. 1299.
- Grinding-wheels, Apparatus for the automatic supply of cooling-water to. P. Heimberg. No. 1,088,277; Feb. 24; Gaz. vol. 199; p. 1081.
- Grinding worms and the like, Machine for. P. Brown and F. J. Bostock. No. 1,100,525; June 16; Gaz. vol. 203; p. 820.
- Grindstone-frame. G. H. Richards. No. 1,114,806; Oct. 27; Gaz. vol. 207; p. 973.
- Grindstones or the like, Operating-pedals for. S. Hunziker. No. 1,113,441; Oct. 13; Gaz. vol. 207; p. 403.
- Grip device, Intermittent. M. Brunet and J. Macek. No. 1,092,134; Apr. 7; Gaz. vol. 201; p. 4.
- Grip device, Intermittent. I. M. Thurlow. No. 1,097,571; May 19; Gaz. vol. 202; p. 900.
- Grip-socket. H. B. Young. No. 1,091,266; Mar. 24; Gaz. vol. 200; p. 1012.
- Gripper. J. F. Reid. No. 1,123,305; Dec. 29; Gaz. vol. 209; p. 1344.
- Gripping and lifting tool. G. Lewis. No. 1,091,937; Mar. 31; Gaz. vol. 200; p. 1283.
- Gripping device. W. Werner. No. 1,109,190; Sept. 1; Gaz. vol. 206; p. 119.
- Grizzly. E. W. Paget and N. L. Raber. No. 1,117,897; Nov. 17; Gaz. vol. 208; p. 927.
- Gromets and similar articles, Machine for setting. I. C. Buckminster. No. 1,093,604; Apr. 21; Gaz. vol. 201; p. 579.
- Grooves, Machine for cutting dovetail. W. G. Strozler. No. 1,085,390; Jan. 27; Gaz. vol. 198; p. 811.
- Grooving-machine. J. J. Marstall. No. 1,084,460; Jan. 13; Gaz. vol. 198; p. 426.
- Ground-anchor. J. L. Fay. No. 1,103,185; July 14; Gaz. vol. 204; p. 384.
- Ground-clamp. L. B. Abbott. No. 1,123,060; Dec. 29; Gaz. vol. 209; p. 1607.
- Ground connection. W. C. Banks. No. 1,111,783; Sept. 29; Gaz. vol. 206; p. 1190.
- Ground-connector. E. Klein. No. 1,095,733; May 5; Gaz. vol. 202; p. 191.
- Ground cutter and pulverizer. A. M. Cox. No. 1,103,741; July 14; Gaz. vol. 204; p. 576.
- Ground-joint coupling. A. J. Rudolph. No. 1,112,479; Oct. 6; Gaz. vol. 207; p. 22.
- Grounding device. G. A. Bishton. No. 1,092,009; Mar. 31; Gaz. vol. 200; p. 1306.
- Grounding device. H. E. Schimmel. No. 1,088,101; Feb. 24; Gaz. vol. 199; p. 1021.

Alphabetical list of inventions—Continued.

- Grubbing implement. J. H. Connell. No. 1,084,133; Jan. 13; Gaz. vol. 198; p. 321.
- Grubbing machine, Root-. A. L. Hallbauer. No. 1,089,213; Mar. 3; Gaz. vol. 200; p. 186.
- Grubbing machine, Root-. A. L. Hallbauer. No. 1,089,361; Mar. 3; Gaz. vol. 200; p. 234.
- Guano-distributor. S. Q. Harper. No. 1,116,270; Nov. 3; Gaz. vol. 208; p. 273.
- Guano-distributor. C. Hennessee. No. 1,095,206; May 5; Gaz. vol. 202; p. 11.
- Guano-distributor, cotton-planter, oat-drill, harrow, and cultivator. J. F. Haddan. No. 1,118,279; Nov. 24; Gaz. vol. 208; p. 1099.
- Guard. N. M. Baker. No. 1,093,678; Apr. 21; Gaz. vol. 201; p. 606.
- Guard. J. C. Wells. No. 1,101,512; June 23; Gaz. vol. 203; p. 1216.
- Guard and curb. T. A. Hill. No. 1,105,781; Aug. 4; Gaz. vol. 205; p. 68.
- Guard for woodworking-machines. E. E. Jones. No. 1,119,612; Dec. 1; Gaz. vol. 209; p. 246.
- Guard, Frangible covered. C. E. Beach. No. 1,106,072; Aug. 4; Gaz. vol. 205; p. 170.
- Gudgeon. W. Bartholomew. No. 1,095,783; May 5; Gaz. vol. 202; p. 208.
- Guide, Adjustable. H. J. Mitchell. No. 1,113,464; Oct. 13; Gaz. vol. 207; p. 411.
- Guide apparatus. A. B. Maull. No. 1,108,457; Aug. 25; Gaz. vol. 205; p. 1143.
- Guide-signal. M. Higginbottom. No. 1,119,959; Dec. 8; Gaz. vol. 209; p. 400.
- Gum for the market, Machine for preparing spruce-. A. H. McDonald and I. Daniels. No. 1,093,451; Apr. 14; Gaz. vol. 201; p. 488.
- Gum-massaging apparatus. C. P. Tacail. No. 1,091,090; Mar. 24; Gaz. vol. 200; p. 951.
- Gum or mucilage from locust-beans, Manufacturing. A. Pinel. No. 1,106,335; Aug. 4; Gaz. vol. 205; p. 258.
- Gum-wrapping machine. H. J. Kempf. No. 1,092,149; Apr. 7; Gaz. vol. 201; p. 8.
- Gum-wrapping machine. A. M. Price. No. 1,109,461; Sept. 1; Gaz. vol. 206; p. 213.
- Gummed strips to packages, &c., Device for applying. E. C. Baldwin. No. 1,106,437; Aug. 11; Gaz. vol. 205; p. 338.
- Gumming apparatus. J. H. Tuttle. No. 1,118,163; Nov. 24; Gaz. vol. 208; p. 1059.
- Gun. R. Demele. No. 1,084,848; Jan. 20; Gaz. vol. 198; p. 589.
- Gun. T. J. Williams. No. 1,113,723; Oct. 13; Gaz. vol. 207; p. 501.
- Gun adapted preferably for use in submarine boats. K. Völler. No. 1,093,504; Apr. 14; Gaz. vol. 201; p. 504.
- Gun adapted preferably for use in submarine boats. K. Völler. No. 1,095,049; Apr. 28; Gaz. vol. 201; p. 1134.
- Gun, Air-. E. P. Cook. No. 1,116,675; Nov. 10; Gaz. vol. 208; p. 461.
- Gun, Air-. W. A. Heilprin. No. 1,098,151; May 26; Gaz. vol. 202; p. 1149.
- Gun, Air-. W. A. Heilprin. No. 1,098,321; May 26; Gaz. vol. 202; p. 1209.
- Gun, Air-. A. A. Karcher. No. 1,101,698; June 30; Gaz. vol. 203; p. 1330.
- Gun, Air-. E. V. Shue. No. 1,102,204; June 30; Gaz. vol. 203; p. 1509.
- Gun, Air-. B. Willett. No. 1,113,077; Oct. 6; Gaz. vol. 207; p. 229.
- Gun attachment. J. E. Erikson. No. 1,114,973; Oct. 27; Gaz. vol. 207; p. 1033.
- Gun, Automatic. P. Gebauer. No. 1,114,463; Oct. 20; Gaz. vol. 207; p. 803.
- Gun, Automatic. K. Heinemann. No. 1,114,611; Oct. 20; Gaz. vol. 207; p. 852.
- Gun-barrel. T. C. Johnson. No. 1,102,667; July 7; Gaz. vol. 204; p. 156.
- Gun-barrel. H. Rabba. No. 1,089,079; Mar. 3; Gaz. vol. 200; p. 138.
- Gun, Barrel recoil. H. Rabba. No. 1,089,078; Mar. 3; Gaz. vol. 200; p. 138.
- Gun, Bell-. F. C. Wegener. No. 1,114,950; Oct. 27; Gaz. vol. 207; p. 1026.
- Gun-breech-closure-operating mechanism. F. S. Craven. No. 1,113,416; Oct. 13; Gaz. vol. 207; p. 394.
- Gun, Breech-loading. E. Bourdelles. No. 1,092,763; Apr. 7; Gaz. vol. 201; p. 220.
- Gun, Breech-loading. E. Bourdelles. No. 1,110,105; Sept. 8; Gaz. vol. 206; p. 484.
- Gun-carriage. E. Schneider. No. 1,084,490; Jan. 13; Gaz. vol. 198; p. 435.
- Gun-carriage. E. Schneider. No. 1,085,168; Jan. 27; Gaz. vol. 198; p. 733.
- Gun-carriage. E. Schneider. No. 1,085,169; Jan. 27; Gaz. vol. 198; p. 733.
- Gun-carriage. E. Schneider. No. 1,098,334; May 26; Gaz. vol. 202; p. 1213.
- Gun-carriage. K. Völler. No. 1,112,951; Oct. 6; Gaz. vol. 207; p. 188.
- Gun-carriage. K. Völler. No. 1,119,629; Dec. 1; Gaz. vol. 209; p. 251.
- Gun-carriage. K. Völler and F. Lühmann. No. 1,122,339; Dec. 29; Gaz. vol. 209; p. 1354.
- Gun carriage, Field-. K. Völler. No. 1,090,767; Mar. 17; Gaz. vol. 200; p. 807.
- Gun-carriage spades, Mounting. K. Völler. No. 1,108,032; Aug. 18; Gaz. vol. 205; p. 948.
- Gun-carriage-wheel support. K. Völler and E. Müller. No. 1,104,721; July 21; Gaz. vol. 204; p. 955.
- Gun-carriage, Wheeled. E. Bourdelles. No. 1,090,680; Mar. 17; Gaz. vol. 200; p. 780.
- Gun-carriage, Wheeled. E. Bourdelles. No. 1,111,785; Sept. 29; Gaz. vol. 206; p. 1191.
- Gun-carriage, Wheeled. E. Bourdelles. No. 1,112,430; Oct. 6; Gaz. vol. 207; p. 4.
- Gun-carriages, Detachable spade for wheeled. O. Lauber. No. 1,090,077; Mar. 10; Gaz. vol. 200; p. 529.
- Gun-carriages, Pivot-stand for wheeled. W. Heilemann and H. Kanonenberg. No. 1,120,483; Dec. 8; Gaz. vol. 209; p. 586.
- Gun-clip. G. P. Kirchner. No. 1,110,209; Sept. 8; Gaz. vol. 206; p. 521.
- Gun, Combined pea-shooting and pop. E. C. Hough. No. 1,114,615; Oct. 20; Gaz. vol. 207; p. 853.
- Gun, Cue-. L. J. Graff. No. 1,122,589; Dec. 29; Gaz. vol. 209; p. 1439.
- Gun for throwing grenades and the like, Portable. R. H. Quisling. No. 1,087,608; Feb. 17; Gaz. vol. 199; p. 802.
- Gun, Grease-. H. G. La Sor. No. 1,101,638; June 30; Gaz. vol. 203; p. 1310.
- Gun, Grease-. E. E. Paddock. No. 1,119,033; Dec. 1; Gaz. vol. 209; p. 48.
- Gun, Grease-. G. E. Webb. No. 1,117,730; Nov. 17; Gaz. vol. 208; p. 871.
- Gun-holster. F. H. Audley. No. 1,113,530; Oct. 13; Gaz. vol. 207; p. 435.
- Gun-loading apparatus, Heavy-. A. T. Dawson and J. Horne. No. 1,094,128; Apr. 21; Gaz. vol. 201; p. 756.
- Gun-loading apparatus, Heavy-. A. T. Dawson and J. Horne. No. 1,094,130; Apr. 21; Gaz. vol. 201; p. 756.
- Gun loading device, Turret or stationary. M. Bartholdy. No. 1,090,093; Mar. 10; Gaz. vol. 200; p. 534.
- Gun, Machine-. K. Heinemann. No. 1,087,371; Feb. 17; Gaz. vol. 199; p. 719.
- Gun, Magazine-. F. Sillix. No. 1,115,979; Nov. 3; Gaz. vol. 208; p. 175.
- Gun-mount. L. V. Benét and H. A. Mercié. No. 1,089,307; Mar. 3; Gaz. vol. 200; p. 215.
- Gun mount, Mobile-. N. Koch. No. 1,108,762; Aug. 25; Gaz. vol. 205; p. 1248.
- Gun-mounting. E. Schneider. No. 1,120,247; Dec. 8; Gaz. vol. 209; p. 501.
- Gun-mounting, Automatic. A. T. Dawson and G. T. Buckham. No. 1,110,257; Sept. 8; Gaz. vol. 206; p. 538.
- Gun-operating mechanism, Clay-. H. A. Berg. No. 1,121,224; Dec. 15; Gaz. vol. 209; p. 893.
- Gun, Parachute-. J. T. Quinn. No. 1,102,166; June 30; Gaz. vol. 203; p. 1495.
- Gun, Quick-firing machine-. T. F. Caldwell. No. 1,090,124; Mar. 10; Gaz. vol. 200; p. 546.
- Gun, Repeating shot-. J. L. Cox. No. 1,111,440; Sept. 22; Gaz. vol. 206; p. 1033.
- Gun-rest. F. B. Guyette. No. 1,122,106; Dec. 22; Gaz. vol. 209; p. 1236.
- Gun, Semi-automatic. F. Lender. No. 1,091,361; Mar. 24; Gaz. vol. 200; p. 1041.
- Gun-shells, Rope sling for. J. M. Snee. No. 1,088,939; Mar. 3; Gaz. vol. 200; p. 92.
- Gun-sight. W. F. Leushner. No. 1,088,352; Feb. 24; Gaz. vol. 199; p. 1105.
- Gun-sight. J. R. Stewart. No. 1,094,265; Apr. 21; Gaz. vol. 201; p. 801.
- Gun-sight. R. P. Stout and F. A. Sullivan. No. 1,106,747; Aug. 11; Gaz. vol. 205; p. 450.
- Gun-sight. G. A. Voigt. No. 1,111,332; Sept. 22; Gaz. vol. 206; p. 997.
- Gun-sight, Front. A. J. Evans. No. 1,087,747; Feb. 17; Gaz. vol. 199; p. 851.
- Gun-sight, Telescope. O. Grauhedding. No. 1,107,163; Aug. 11; Gaz. vol. 205; p. 595.
- Gun sighting device. K. Völler. No. 1,095,048; Apr. 28; Gaz. vol. 201; p. 1133.
- Gun-sling-attaching means. A. Wilcke. No. 1,088,314; Feb. 24; Gaz. vol. 199; p. 1092.
- Gun, Spring-. W. E. Hawthorne. No. 1,114,610; Oct. 20; Gaz. vol. 207; p. 851.
- Gun, Spring-. C. F. Lefever. No. 1,097,244; May 19; Gaz. vol. 202; p. 789.
- Gun, Spring-actuated. J. F. Burnam. No. 1,107,586; Aug. 18; Gaz. vol. 205; p. 793.
- Gun-stock. J. Fabian. No. 1,118,274; Nov. 24; Gaz. vol. 208; p. 1097.
- Gun-stock. E. E. Redfield. No. 1,096,861; May 19; Gaz. vol. 202; p. 653.
- Gun-stocks, Adjustable butt-plate for. J. W. Perkins. No. 1,088,362; Feb. 24; Gaz. vol. 199; p. 1109.
- Gun-stocks, Recoil-pad for. J. S. Day. No. 1,123,180; Dec. 29; Gaz. vol. 209; p. 1650.
- Gun-stocks, Shock-absorbing spring for. C. V. Weathers. No. 1,086,490; Feb. 10; Gaz. vol. 199; p. 363.

Alphabetical list of inventions—Continued.

- Gun, Trap-. C. D. Lovelace. No. 1,098,742; June 2; Gaz. vol. 203; p. 131.
- Gun wedge breech-closure. M. Hermsdorf. No. 1,108,754; Aug. 25; Gaz. vol. 205; p. 1245.
- Gun with a recoiling barrel. Device for automatically opening the breech of a. K. Völler. No. 1,108,530; Aug. 25; Gaz. vol. 205; p. 1170.
- Gun with fluid-accumulator. Semi-automatic. F. Lender. No. 1,091,360; Mar. 24; Gaz. vol. 200; p. 1041.
- Guns, Automatic single-trigger mechanism for double-barrel. J. Kautzky. No. 1,109,632; Sept. 1; Gaz. vol. 206; p. 272.
- Guns, Breech-actuating mechanism of semi-automatic and quick-firing. A. T. Dawson and G. T. Buckham. No. 1,088,211; Feb. 24; Gaz. vol. 199; p. 1058.
- Guns, Breech-closure for. K. A. Bräuning. No. 1,101,116; June 23; Gaz. vol. 203; p. 1078.
- Guns, Breech mechanism of. E. Schneider. No. 1,094,753; Apr. 28; Gaz. vol. 201; p. 1032.
- Guns, Breech mechanism of semi-automatic and quick-firing. A. T. Dawson and G. T. Buckham. No. 1,088,212; Feb. 24; Gaz. vol. 199; p. 1058.
- Guns, Breech mechanism of semi-automatic and quick-firing. A. T. Dawson and G. T. Buckham. No. 1,088,213; Feb. 24; Gaz. vol. 199; p. 1059.
- Guns, Cartridge-discharging attachment for. J. Kramer. No. 1,089,000; Mar. 3; Gaz. vol. 200; p. 112.
- Guns, Cartridge-feed mechanism of automatic. A. T. Dawson and G. T. Buckham. No. 1,091,640; Mar. 31; Gaz. vol. 200; p. 1180.
- Guns, Control of the breech-actuating mechanism and loading apparatus of heavy. A. T. Dawson and J. Horne. No. 1,094,129; Apr. 21; Gaz. vol. 201; p. 756.
- Guns, Cut-off for magazine. A. C. Schildbach. No. 1,099,621; June 9; Gaz. vol. 203; p. 472.
- Guns, Elevation-controlled firing apparatus for. E. Bourdelles. No. 1,096,673; May 12; Gaz. vol. 202; p. 545.
- Guns, Elevation-controlled firing apparatus for. E. Bourdelles. No. 1,098,612; June 2; Gaz. vol. 203; p. 88.
- Guns, Firing mechanism of breech-loading. A. T. Dawson and G. T. Buckham. No. 1,091,638; Mar. 31; Gaz. vol. 200; p. 1179.
- Guns, Firing mechanism of breech-loading. A. T. Dawson and G. T. Buckham. No. 1,091,639; Mar. 31; Gaz. vol. 200; p. 1180.
- Guns, Firing mechanism of breech-loading. A. T. Dawson and G. T. Buckham. No. 1,096,155; May 12; Gaz. vol. 202; p. 370.
- Guns, Lock mechanism of breech-loading. A. T. Dawson and G. T. Buckham. No. 1,095,558; May 5; Gaz. vol. 202; p. 132.
- Guns, Lock mechanism of breech-loading. A. T. Dawson and G. T. Buckham. No. 1,116,026; Nov. 3; Gaz. vol. 208; p. 191.
- Guns, Lock mechanism of breech-loading. A. T. Dawson and G. T. Buckham. No. 1,116,027; Nov. 3; Gaz. vol. 208; p. 191.
- Guns, Percussive firing mechanism of breech-loading. A. T. Dawson and G. T. Buckham. No. 1,105,625; Aug. 4; Gaz. vol. 205; p. 13.
- Guns, Pivot-mount for. N. Koch. No. 1,108,763; Aug. 25; Gaz. vol. 205; p. 1249.
- Guns, Protective shield for. K. Völler and E. Müller. No. 1,096,653; May 12; Gaz. vol. 202; p. 539.
- Guns, Shot-magazine for spring air-. C. F. Lefever. No. 1,114,401; Oct. 20; Gaz. vol. 207; p. 814.
- Guns, Strap-support for. O. Prochnow. No. 1,115,737; Nov. 3; Gaz. vol. 208; p. 92.
- Guns, Tangent sight for. K. Völler. No. 1,101,362; June 23; Gaz. vol. 203; p. 1162.
- Guns, Tripod-mounting for automatic. A. T. Dawson and G. T. Buckham. No. 1,093,319; Apr. 14; Gaz. vol. 201; p. 446.
- Gunpowder and making the same. C. D. McDowell. No. 1,083,371; Jan. 6; Gaz. vol. 198; p. 37.
- Gunpowder, Preparing progressive. W. Eberlein. No. 1,098,237; May 26; Gaz. vol. 202; p. 1179.
- Gutter-end-forming clamp. W. B. Shoemaker. No. 1,093,950; Apr. 21; Gaz. vol. 201; p. 696.
- Gutter-guard. A. C. Yates. No. 1,101,047; June 23; Gaz. vol. 203; p. 1056.
- Gutter-hanger. C. W. Whedon. No. 1,105,390; July 28; Gaz. vol. 204; p. 1239.
- Gutter-miter. W. H. Abbott. No. 1,096,212; May 12; Gaz. vol. 202; p. 388.
- Gutter-section. G. Higman. No. 1,113,784; Oct. 13; Gaz. vol. 207; p. 522.
- Gymnasium apparatus. A. E. Thornley. No. 1,094,823; Apr. 28; Gaz. vol. 201; p. 1056.
- Gymnasium parallel bars. P. S. Medart. No. 1,111,268; Sept. 22; Gaz. vol. 206; p. 975.
- Gymnasium-ring. M. B. Reach. No. 1,108,003; Aug. 18; Gaz. vol. 205; p. 938.
- Gymnastic apparatus. A. G. and M. J. Marriott. No. 1,115,223; Oct. 27; Gaz. vol. 207; p. 1123.
- Gymnastic apparatus. C. G. Rosenberger. No. 1,085,486; Jan. 27; Gaz. vol. 198; p. 841.
- Gymnastic apparatus. C. G. Rosenberger. No. 1,119,726; Dec. 1; Gaz. vol. 209; p. 283.
- Gymnastic-performance apparatus. A. Roehr. No. 1,111,970; Sept. 29; Gaz. vol. 206; p. 1254.
- Gyratory crusher. T. W. Capen. No. 1,110,887; Sept. 15; Gaz. vol. 206; p. 801.
- Gyratory crusher. J. McInroe. No. 1,106,333; Aug. 4; Gaz. vol. 205; p. 257.
- Gyratory crusher. J. E. Symons. No. 1,101,668; June 30; Gaz. vol. 203; p. 1320.
- Gyroscopic control. J. S. Lang. No. 1,096,253; May 12; Gaz. vol. 202; p. 404.
- Gyroscopic control. J. S. Lang. No. 1,096,254; May 12; Gaz. vol. 202; p. 405.
- Gyrost. S. Z. de Ferranti. No. 1,112,997; Oct. 6; Gaz. vol. 207; p. 203.
- Habit, Riding-. M. Cowen. No. 1,104,632; July 21; Gaz. vol. 204; p. 924.
- Hackle. J. Noguier-Usall. No. 1,115,726; Nov. 3; Gaz. vol. 208; p. 89.
- Hackling-machine. V. Huglo. No. 1,110,937; Sept. 15; Gaz. vol. 206; p. 818.
- Hackling-machine, Automatic. J. A. McKee. No. 1,084,652; Jan. 20; Gaz. vol. 198; p. 519.
- Hacksaw. A. Duffy. No. 1,087,648; Feb. 17; Gaz. vol. 199; p. 818.
- Hacksaw-frame. L. M. Fairbanks. No. 1,103,495; July 14; Gaz. vol. 204; p. 487.
- Hacksaw-frame. W. J. Harvey. No. 1,113,118; Oct. 6; Gaz. vol. 207; p. 243.
- Hacksaw-guard. G. A. Howell. No. 1,100,305; June 16; Gaz. vol. 203; p. 746.
- Hacksaw-guide. R. C. Berry. No. 1,091,726; Mar. 31; Gaz. vol. 200; p. 1209.
- Hacksaw-machine. H. H. Jones. No. 1,088,284; Feb. 24; Gaz. vol. 199; p. 1083.
- Hair braiding or weaving apparatus. P. Eiberle. No. 1,107,052; Aug. 11; Gaz. vol. 205; p. 554.
- Hair-clipper, Double-action. E. E. Appleman. No. 1,086,979; Feb. 10; Gaz. vol. 199; p. 532.
- Hair, Converting. C. H. Campbell. No. 1,106,779; Aug. 11; Gaz. vol. 205; p. 461.
- Hair-crimper. P. Heim. No. 1,091,334; Mar. 24; Gaz. vol. 200; p. 1031.
- Hair-curler. C. Nessler. No. 1,105,595; July 28; Gaz. vol. 204; p. 1309.
- Hair-curler. M. M. Pollard. No. 1,090,341; Mar. 17; Gaz. vol. 200; p. 662.
- Hair-curler. A. A. West. No. 1,095,254; May 5; Gaz. vol. 202; p. 28.
- Hair-curler. B. L. Woodward. No. 1,084,776; Jan. 20; Gaz. vol. 198; p. 564.
- Hair-curling device. J. Sénégas. No. 1,116,935; Nov. 10; Gaz. vol. 208; p. 551.
- Hair-cutting gage. S. Mickelson. No. 1,091,372; Mar. 24; Gaz. vol. 200; p. 1044.
- Hair-dresser's heating and crimping tongs. J. Sénégas. No. 1,116,853; Nov. 10; Gaz. vol. 208; p. 523.
- Hair-drier, Electric. J. T. Stapleton. No. 1,090,579; Mar. 17; Gaz. vol. 200; p. 747.
- Hair-drying comb. E. Baum. No. 1,096,666; May 12; Gaz. vol. 202; p. 543.
- Hair-drying comb. G. L. Scheel. No. 1,106,411; Aug. 11; Gaz. vol. 205; p. 329.
- Hair-drying device. F. P. Cawley. No. 1,112,262; Sept. 29; Gaz. vol. 206; p. 1355.
- Hair-dye. R. Ernst. No. 1,108,157; Aug. 25; Gaz. vol. 205; p. 1040.
- Hair-fastener. M. Tóth. No. 1,088,745; Mar. 3; Gaz. vol. 200; p. 26.
- Hair-fastener, Spring-clasp. A. S. Fridolph. No. 1,089,829; Mar. 10; Gaz. vol. 200; p. 444.
- Hair, Machine for interlacing curled. F. Maussner. No. 1,104,368; July 21; Gaz. vol. 204; p. 832.
- Hair-pin. J. F. Body. No. 1,103,393; July 14; Gaz. vol. 204; p. 452.
- Hair-pin. J. T. Leonard. No. 1,102,155; June 30; Gaz. vol. 203; p. 1490.
- Hair-pin and the like. K. T. Sandreczki. No. 1,106,585; Aug. 11; Gaz. vol. 205; p. 394.
- Hair-pin, Safety. J. Kotner. No. 1,085,212; Jan. 27; Gaz. vol. 198; p. 748.
- Hair roll or puff. R. H. Damon. No. 1,086,808; Feb. 10; Gaz. vol. 199; p. 476.
- Hair-sorting machine. J. Noguier-Usall. No. 1,090,560; Mar. 17; Gaz. vol. 200; p. 740.
- Hair-spring regulator. H. Wachtelhausen. No. 1,103,551; July 14; Gaz. vol. 204; p. 507.
- Hair-steaming device. T. Grosert and E. Unger. No. 1,103,506; July 14; Gaz. vol. 204; p. 491.
- Hair straightening and singeing comb. E. Alexander. No. 1,096,984; May 19; Gaz. vol. 202; p. 697.
- Hair-waver. T. Grosert. No. 1,085,083; Jan. 20; Gaz. vol. 198; p. 666.
- Hair-waving device. E. J. Sheffield. No. 1,101,100; June 23; Gaz. vol. 203; p. 1073.
- Hall and like edifice, Concert-. F. Stallforth. No. 1,120,858; Dec. 15; Gaz. vol. 209; p. 765.
- Halogenated 2,3-naphthisatins. W. Bauer, A. Herre, and R. Mayer. No. 1,083,518; Jan. 6; Gaz. vol. 198; p. 85.
- Halter. L. Curtis. No. 1,088,877; Mar. 3; Gaz. vol. 200; p. 70.

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- Halter. A. J. Dance and W. B. Billups. No. 1,115,788; Nov. 3; Gaz. vol. 208; p. 108.
- Halter. R. Scott. No. 1,093,486; Apr. 14; Gaz. vol. 201; p. 498.
- Ham press and retainer. F. Klink, H. J. Adenauer, and F. Wolf. No. 1,101,193; June 23; Gaz. vol. 203; p. 1105.
- Hams, shoulders, and joint-meat in general and the product thereof, Smoking. J. J. Fitzgerald. No. 1,122,715; Dec. 29; Gaz. vol. 209; p. 1486.
- Hame. R. R. Burkhart. No. 1,104,623; July 21; Gaz. vol. 204; p. 921.
- Hame. C. E. Cameron. No. 1,123,093; Dec. 29; Gaz. vol. 209; p. 1618.
- Hame. H. M. Corey. No. 1,087,642; Feb. 17; Gaz. vol. 199; p. 817.
- Hame. E. F. Olive. No. 1,103,998; July 21; Gaz. vol. 204; p. 704.
- Hame. C. L. Wiedrich. No. 1,091,874; Mar. 31; Gaz. vol. 200; p. 1263.
- Hame and trace connection. S. M. Kelsey. No. 1,118,356; Nov. 24; Gaz. vol. 208; p. 1127.
- Hame and trace connector. W. A. Schleicher. No. 1,118,448; Nov. 24; Gaz. vol. 208; p. 1161.
- Hame and tug coupling. C. H. Hudson. No. 1,088,992; Mar. 3; Gaz. vol. 200; p. 109.
- Hame-clip. A. C. Back. No. 1,120,785; Dec. 15; Gaz. vol. 209; p. 740.
- Hame-clip. W. A. Pickard. No. 1,083,856; Jan. 6; Gaz. vol. 198; p. 194.
- Hame-clip. F. E. Schartow. No. 1,121,943; Dec. 22; Gaz. vol. 209; p. 1181.
- Hame-connector. T. Suchla. No. 1,083,870; Jan. 6; Gaz. vol. 198; p. 199.
- Hame-fastener. J. B. Baxter. No. 1,122,059; Dec. 22; Gaz. vol. 209; p. 1222.
- Hame-fastener. F. Brais. No. 1,113,597; Oct. 13; Gaz. vol. 207; p. 457.
- Hame-fastener. F. W. Covert. No. 1,102,476; July 7; Gaz. vol. 204; p. 89.
- Hame-fastener. A. W. Fowler. No. 1,102,032; June 30; Gaz. vol. 203; p. 1448.
- Hame-fastener and reinforcement for horse-collars. J. C. Weinman. No. 1,090,896; Mar. 24; Gaz. vol. 200; p. 883.
- Hame, Harness-. F. Vallière. No. 1,116,175; Nov. 3; Gaz. vol. 208; p. 242.
- Hame-holder. A. Bernstein. No. 1,088,647; Feb. 24; Gaz. vol. 199; p. 1201.
- Hame-hook. W. Hamlyn and H. Miller. No. 1,112,132; Sept. 29; Gaz. vol. 206; p. 1308.
- Hame-hook. J. T. Taverner. No. 1,118,700; Nov. 24; Gaz. vol. 208; p. 1249.
- Hame-trace. G. W. Ayres. No. 1,093,905; Apr. 21; Gaz. vol. 201; p. 682.
- Hames and collar, Combined. R. R. Stewart. No. 1,114,929; Oct. 27; Gaz. vol. 207; p. 1019.
- Hames, Making sheet-metal. C. L. Wiedrich. No. 1,098,928; June 2; Gaz. vol. 203; p. 195.
- Hammer. E. Currie. No. 1,110,188; Sept. 8; Gaz. vol. 206; p. 514.
- Hammer. A. Fitzgerald. No. 1,121,085; Dec. 15; Gaz. vol. 209; p. 845.
- Hammer. J. A. Leslie. No. 1,089,234; Mar. 3; Gaz. vol. 200; p. 193.
- Hammer. J. F. Overcash. No. 1,103,918; July 14; Gaz. vol. 204; p. 636.
- Hammer brake, Trip-. E. L. Greenwald. No. 1,105,768; Aug. 4; Gaz. vol. 205; p. 64.
- Hammer, Bush-. W. F. Rice. No. 1,115,024; Oct. 27; Gaz. vol. 207; p. 1052.
- Hammer, Claw-. G. W. Renton. No. 1,103,380; July 14; Gaz. vol. 204; p. 448.
- Hammer, Claw-. D. C. West. No. 1,117,465; Nov. 17; Gaz. vol. 208; p. 777.
- Hammer-drill. A. J. Carter. No. 1,115,898; Nov. 3; Gaz. vol. 208; p. 147.
- Hammer-drill. C. C. Hansen. No. 1,084,270; Jan. 13; Gaz. vol. 198; p. 366.
- Hammer-drill. F. Jones and W. A. Endter. No. 1,112,621; Oct. 6; Gaz. vol. 207; p. 76.
- Hammer, drill, and the like, Percussive. W. H. Wakfer. No. 1,114,075; Oct. 20; Gaz. vol. 207; p. 662.
- Hammer, drill, and the like, Percussive. W. H. Wakfer. No. 1,116,519; Nov. 10; Gaz. vol. 208; p. 402.
- Hammer-drill and the like, Percussive. W. H. Wakfer. No. 1,119,330; Dec. 1; Gaz. vol. 209; p. 148.
- Hammer, Drop-. H. E. Derbyshire. No. 1,100,289; June 16; Gaz. vol. 203; p. 740.
- Hammer, Drop-. C. Nickerson. No. 1,093,799; Apr. 21; Gaz. vol. 201; p. 645.
- Hammer, Drop-. C. Nickerson. No. 1,098,165; May 26; Gaz. vol. 202; p. 1154.
- Hammer, Elastic-fluid. L. F. Massey and W. H. Snow. No. 1,087,799; Feb. 17; Gaz. vol. 199; p. 868.
- Hammer, Electric. J. O. and R. L. Fields. No. 1,083,817; Jan. 6; Gaz. vol. 198; p. 183.
- Hammer, Electric. B. Valiquet. No. 1,091,098; Mar. 24; Gaz. vol. 200; p. 954.
- Hammer, Electrically-operated. F. E. Brixius. No. 1,110,285; Sept. 8; Gaz. vol. 206; p. 548.
- Hammer, Electrically-operated drop-. J. D. Macdonald. No. 1,122,962; Dec. 29; Gaz. vol. 209; p. 1571.
- Hammer, Fluid-power. J. Nazel and R. E. Bates. No. 1,084,707; Jan. 20; Gaz. vol. 198; p. 541.
- Hammer, Foot-power. G. E. Cramer. No. 1,099,025; June 2; Gaz. vol. 203; p. 225.
- Hammer-handles, Safety-lock for. G. J. Willett. No. 1,115,637; Nov. 3; Gaz. vol. 208; p. 58.
- Hammer muffler, Pneumatic-. E. Manes. No. 1,115,704; Nov. 3; Gaz. vol. 208; p. 82.
- Hammer, Pile-. M. Schalscha. No. 1,093,210; Apr. 14; Gaz. vol. 201; p. 408.
- Hammer, Pile-driver. J. A. Monroe. No. 1,085,061; Jan. 20; Gaz. vol. 198; p. 659.
- Hammer, Pneumatic. E. G. Detrick. No. 1,108,834; Aug. 25; Gaz. vol. 205; p. 1273.
- Hammer, Pneumatic. G. L. Robertson. No. 1,107,550; Aug. 18; Gaz. vol. 205; p. 778.
- Hammer, Pneumatic. L. E. Summers. No. 1,115,985; Nov. 3; Gaz. vol. 208; p. 178.
- Hammer, Portable rotary. C. Leonardi. No. 1,094,664; Apr. 28; Gaz. vol. 201; p. 1000.
- Hammer, Power-. R. E. Bates. No. 1,084,689; Jan. 20; Gaz. vol. 198; p. 534.
- Hammer, Power-. J. Hamilton. No. 1,122,591; Dec. 29; Gaz. vol. 209; p. 1440.
- Hammer, Power-. J. E. Morrison. No. 1,104,269; July 21; Gaz. vol. 204; p. 797.
- Hammer, Power-. J. E. Wilhelm. No. 1,104,946; July 28; Gaz. vol. 204; p. 1082.
- Hammer-press. E. H. Wray and W. J. Hagman. No. 1,084,054; Jan. 13; Gaz. vol. 198; p. 293.
- Hammer, Rotary. G. H. Rowe. No. 1,102,169; June 30; Gaz. vol. 203; p. 1496.
- Hammer safety device, Pneumatic-. C. F. McDonald. No. 1,101,464; June 23; Gaz. vol. 203; p. 1197.
- Hammer, Soft-face. P. J. Keating. No. 1,122,506; Dec. 29; Gaz. vol. 209; p. 1410.
- Hammer, Tack-. T. H. Bowdidge. No. 1,097,521; May 19; Gaz. vol. 202; p. 883.
- Hammer, Throwing-. W. F. Reach. No. 1,122,157; Dec. 22; Gaz. vol. 209; p. 1253.
- Hammer tool, Pneumatic-. H. Keller. No. 1,088,154; Feb. 24; Gaz. vol. 199; p. 1039.
- Hammer-tools, Rotation device for fluid-pressure-operated. A. H. Taylor. No. 1,097,997; May 26; Gaz. vol. 202; p. 1097.
- Hammers and the like, Lift for drop-. S. Swedenborg. No. 1,107,866; Aug. 18; Gaz. vol. 205; p. 891.
- Hammers, Combined ladle and mold for soft-metal. J. Horat. No. 1,095,866; May 5; Gaz. vol. 202; p. 235.
- Hammers, Guard for pneumatic. H. N. Evans, Sr. No. 1,085,896; Feb. 3; Gaz. vol. 199; p. 112.
- Hammers, Lifting-board for drop-. G. H. Merrill. No. 1,091,523; Mar. 31; Gaz. vol. 200; p. 1140.
- Hammers, Pulling attachment for steam-. T. Hill. No. 1,091,336; Mar. 24; Gaz. vol. 200; p. 1031.
- Hammering-machine and the like. A. Kremiansky. No. 1,097,648; May 26; Gaz. vol. 202; p. 971.
- Hammock. E. L. Fuller. No. 1,106,554; Aug. 11; Gaz. vol. 205; p. 382.
- Hammock. A. A. Schimmel. No. 1,090,108; Mar. 10; Gaz. vol. 200; p. 540.
- Hammock and back-rest therefor, Couch-. I. E. Palmer. No. 1,103,907; July 14; Gaz. vol. 204; p. 632.
- Hammock and back-support therefor, Couch-. I. E. Palmer. No. 1,103,906; July 14; Gaz. vol. 204; p. 632.
- Hammock and convertible end and back-rest therefor, Couch-. I. E. Palmer. No. 1,096,450; May 12; Gaz. vol. 202; p. 471.
- Hammock and spreader therefor. I. E. Palmer. No. 1,120,234; Dec. 8; Gaz. vol. 209; p. 497.
- Hammock awning, Couch-. I. E. Palmer. No. 1,100,608; June 16; Gaz. vol. 203; p. 847.
- Hammock, Collapsible bed-. T. H. Rogers. No. 1,101,962; June 30; Gaz. vol. 203; p. 1423.
- Hammocks, Combined back-rest and wind-shield for couch-. I. E. Palmer. No. 1,103,908; July 14; Gaz. vol. 204; p. 633.
- Hammock-couch. E. C. Cook. No. 1,093,036; Apr. 14; Gaz. vol. 201; p. 347.
- Hammock, Couch-. W. P. Hammond and R. W. Soule. No. 1,091,130; Mar. 24; Gaz. vol. 200; p. 965.
- Hammock, Couch-. I. E. Palmer. No. 1,094,921; Apr. 28; Gaz. vol. 201; p. 1089.
- Hammock, Couch-. I. E. Palmer. No. 1,094,925; Apr. 28; Gaz. vol. 201; p. 1090.
- Hammock, Couch-. I. E. Palmer. No. 1,098,293; May 26; Gaz. vol. 202; p. 1200.
- Hammock, Couch-. I. E. Palmer. No. 1,099,098; June 2; Gaz. vol. 203; p. 247.
- Hammock, Couch-. G. F. Sisbower and L. E. Pittoni. No. 1,098,185; May 26; Gaz. vol. 202; p. 1161.
- Hammock, Couch or bed. A. J. Kreuzkamp. No. 1,100,380; June 16; Gaz. vol. 203; p. 771.
- Hammock-frame, Folding. B. L. Fogle. No. 1,106,293; Aug. 4; Gaz. vol. 205; p. 243.
- Hammock or like support. I. E. Palmer. No. 1,091,531; Mar. 31; Gaz. vol. 200; p. 1142.
- Hammock-support. H. B. Arnold. No. 1,099,906; June 16; Gaz. vol. 203; p. 607.

Alphabetical list of inventions—Continued.

- Hammock-support and canopy therefor. W. G. Rector. No. 1,097,941; May 26; Gaz. vol. 202; p. 1077.
- Hammocks and the like, Extension head-rest for couch-. W. B. Foster. No. 1,102,147; June 30; Gaz. vol. 203; p. 1488.
- Hammocks or the like, Canopy attachment for. A. P. Ashworth. No. 1,094,412; Apr. 28; Gaz. vol. 201; p. 909.
- Hammocks, Wind-shield or back-rest for couch-. I. E. Palmer. No. 1,094,924; Apr. 28; Gaz. vol. 201; p. 1090.
- Hand and foot operating mechanism. J. F. Ohmer. No. 1,111,172; Sept. 22; Gaz. vol. 206; p. 943.
- Hand-bag. C. C. Ball. No. 1,092,200; Apr. 7; Gaz. vol. 201; p. 26.
- Hand-bag. F. Mashek. No. 1,090,553; Mar. 17; Gaz. vol. 200; p. 737.
- Hand-bag. M. Nover. No. 1,084,101; Jan. 13; Gaz. vol. 198; p. 309.
- Hand-bag. G. W. Pauli. No. 1,111,091; Sept. 22; Gaz. vol. 206; p. 914.
- Hand-bag. A. Rosendale. No. 1,089,268; Mar. 3; Gaz. vol. 200; p. 203.
- Hand-bag. J. Thenser. No. 1,084,301; Jan. 13; Gaz. vol. 198; p. 376.
- Hand-bag. E. H. Wuest. No. 1,104,463; July 21; Gaz. vol. 204; p. 865.
- Hand-bag, Bank-messenger's. B. Goldstein. No. 1,090,393; Mar. 17; Gaz. vol. 200; p. 681.
- Hand-brake. W. E. Johnson. No. 1,113,999; Oct. 20; Gaz. vol. 207; p. 636.
- Hand-elevator for packages. E. G. Methvin. No. 1,094,233; Apr. 21; Gaz. vol. 201; p. 791.
- Hand-hole cover. W. F. Sellers and H. B. Bradford. No. 1,105,212; July 28; Gaz. vol. 204; p. 1173.
- Hand-hook. C. Gaskell. No. 1,116,688; Nov. 10; Gaz. vol. 208; p. 465.
- Hand-operated devices, Operating mechanism for. G. M. Fletcher. No. 1,093,043; Apr. 14; Gaz. vol. 201; p. 349.
- Hand-operated drill. J. Dalton. No. 1,109,516; Sept. 1; Gaz. vol. 206; p. 230.
- Hand-protector. W. Fredrickson. No. 1,092,207; Apr. 7; Gaz. vol. 201; p. 29.
- Hand-rake. E. Gillette. No. 1,122,730; Dec. 29; Gaz. vol. 209; p. 1490.
- Hand-rake. M. W. Stedman, G. F. Kopp, and C. R. Myers. No. 1,094,174; Apr. 21; Gaz. vol. 201; p. 773.
- Hand-rake. E. C. Steele. No. 1,122,549; Dec. 29; Gaz. vol. 209; p. 1426.
- Hand-wheel. H. W. Dover. No. 1,101,417; June 23; Gaz. vol. 203; p. 1181.
- Handbills and the like, Device for scattering. H. Hünerkopf. No. 1,084,636; Jan. 20; Gaz. vol. 198; p. 515.
- Handhold for implements. R. Payton. No. 1,098,201; June 9; Gaz. vol. 203; p. 328.
- Handhold for passengers. D. I. Cooke and E. Banning. No. 1,090,814; Mar. 17; Gaz. vol. 200; p. 823.
- Handle. *See* Adjustable tool-handle; Bag-handle; Bottle-carrying handle; Box-handle; Brake-handle; Brush-handle; Buffing-handle; Casket-handle; Chest-handle; Chisel-handle; Coffee-pot handle; Door and latch handle; Flat-iron handle; Implement-handle; Lever-handle; Magazine-handle; Mower-handle; Package-handle; Razor-handle; Removable handle; Rotary handle; Sad-iron handle; Safety-handle; Saw-handle; Screw-driver handle; Shears-handle; Spoon-handle; Tool-handle; Umbrella and parasol handle; Vacuum-cleaner handle; Valve-handle; Valve-handle.
- Handle. K. Blumel. No. 1,095,790; May 5; Gaz. vol. 202; p. 212.
- Handle. G. B. Grafton. No. 1,095,851; May 5; Gaz. vol. 202; p. 231.
- Handle and fastener therefor. A. L. Adams. No. 1,090,122; Mar. 10; Gaz. vol. 200; p. 545.
- Handle attachment. W. H. Jayne. No. 1,095,873; May 5; Gaz. vol. 202; p. 238.
- Handle attachment for books, loose-leaf binders, and the like. I. R. McKee. No. 1,121,566; Dec. 15; Gaz. vol. 209; p. 1012.
- Handle-fastening. I. G. Burton. No. 1,112,258; Sept. 29; Gaz. vol. 206; p. 1354.
- Handle-fastening. W. F. Hobbs. No. 1,112,798; Oct. 6; Gaz. vol. 207; p. 136.
- Handle-fastening. G. L. Holt. No. 1,099,369; June 9; Gaz. vol. 203; p. 388.
- Handle for handsaws. H. Pause. No. 1,119,787; Dec. 1; Gaz. vol. 209; p. 303.
- Handle of golf-clubs, polo-sticks, and the like. W. H. Sandford. No. 1,102,441; July 7; Gaz. vol. 204; p. 77.
- Handle of umbrellas, walking-sticks, hand-bags, and the like. C. F. Mendham. No. 1,094,738; Apr. 28; Gaz. vol. 201; p. 1027.
- Handles to the tangs of instruments, Connection of. R. Lange. No. 1,118,360; Nov. 24; Gaz. vol. 208; p. 1129.
- Handling and distributing parcels, bales, loads, and other articles, Means for. A. G. Seaman. No. 1,100,262; June 16; Gaz. vol. 203; p. 731.
- Handling apparatus, Material-. R. A. Ogle. No. 1,112,084; Sept. 29; Gaz. vol. 206; p. 1292.
- Handling invalids or patients, Apparatus for. J. R. Sisto. No. 1,121,673; Dec. 22; Gaz. vol. 209; p. 1085.
- Handling long, heavy articles, Portable device for. J. T. Ranney. No. 1,094,930; Apr. 28; Gaz. vol. 201; p. 1092.
- Handsaw. G. W. Hector. No. 1,102,918; July 7; Gaz. vol. 204; p. 242.
- Handsaw. C. H. Shapiro. No. 1,085,499; Jan. 27; Gaz. vol. 198; p. 845.
- Handsaw. J. Wood. No. 1,113,591; Oct. 13; Gaz. vol. 207; p. 454.
- Handsaw, Power-driven. E. I. Dodds. No. 1,102,018; June 30; Gaz. vol. 203; p. 1443.
- Hanger. *See* Adjustable hanger; Animal-hanger; Bearing-hanger; Bicycle crank-hanger; Bottle-hanger; Brake-hanger; Bucket-hanger; Calendar-hanger; Card-door hanger; Ceiling-hanger; Clothes-hanger; Clothes and the like hanger; Coat-hanger; Concrete-work hanger; Corn-hanger; Crank-hanger; Display-hanger; Door-hanger; Eaves-trough hanger; Electroliner-hanger; Fixture-hanger; Garment-hanger; Gutter-hanger; Harness-hanger; Hat and coat hanger; Hook-hanger; Joist-hanger; Lamp-hanger; Lighting-fixture hanger; Pattern-hanger; Picture-hanger; Picture-frame hanger; Pipe-hanger; Punching-bag hanger; Rug-hanger; Sash-hanger; Screen-frame or the like hanger; Shade-hanger; Shade and curtain-pole hanger; Shaft-hanger; Sign-hanger; Skirt-hanger; Tobacco-hanger; Track-hanger; Trolley-hanger; Trolley-wire hanger; Trousers-hanger; Whip-hanger.
- Hanger. J. A. Hammer. No. 1,117,842; Nov. 17; Gaz. vol. 208; p. 910.
- Hanger. G. E. Henry. No. 1,097,860; May 26; Gaz. vol. 202; p. 1046.
- Hanger. C. Mather. No. 1,091,942; Mar. 31; Gaz. vol. 200; p. 1285.
- Hanger. S. Oswalt. No. 1,115,730; Nov. 3; Gaz. vol. 208; p. 90.
- Hanger and lift, Combined. B. C. Rockwell. No. 1,114,810; Oct. 27; Gaz. vol. 207; p. 975.
- Hanger-bolt. H. Menten. No. 1,108,922; Sept. 1; Gaz. vol. 206; p. 22.
- Hanger or supporting device. J. A. Hunt. No. 1,120,385; Dec. 8; Gaz. vol. 209; p. 551.
- Hanger-socket. C. W. Denny. No. 1,109,115; Sept. 1; Gaz. vol. 206; p. 91.
- Hanger-socket. F. N. Kneas. No. 1,090,545; Mar. 17; Gaz. vol. 200; p. 734.
- Hard body for wearing-surfaces and the like. E. Weintraub. No. 1,088,858; Mar. 3; Gaz. vol. 200; p. 63.
- Hardening and tempering. J. Patten. No. 1,112,087; Sept. 29; Gaz. vol. 206; p. 1293.
- Hardening or mummification of human and animal bodies and their organs. G. and P. Fratarcangeli. No. 1,088,977; Mar. 3; Gaz. vol. 200; p. 105.
- Harmonic player for keyboard instruments. J. A. Koch. No. 1,085,140; Jan. 27; Gaz. vol. 198; p. 723.
- Harmonic ringer. J. Erickson. No. 1,118,925; Dec. 1; Gaz. vol. 209; p. 7.
- Harmonica, Metal. C. Weiss, F. Bürker, and M. Heuschkel. No. 1,094,180; Apr. 21; Gaz. vol. 201; p. 775.
- Harness. W. S. Kennedy. No. 1,094,337; Apr. 21; Gaz. vol. 201; p. 822.
- Harness. N. C. Weimer. No. 1,089,735; Mar. 10; Gaz. vol. 200; p. 412.
- Harness-actuating mechanism. J. A. Shayer. No. 1,122,650; Dec. 29; Gaz. vol. 209; p. 1462.
- Harness attachment. H. G. Richardson. No. 1,088,240; Feb. 24; Gaz. vol. 199; p. 1067.
- Harness attachment. J. M. Schuh. No. 1,120,854; Dec. 15; Gaz. vol. 209; p. 764.
- Harness attachment. R. A. Schwahn. No. 1,121,407; Dec. 15; Gaz. vol. 209; p. 956.
- Harness breast-bow. E. A. Nelson. No. 1,110,338; Sept. 15; Gaz. vol. 206; p. 606.
- Harness, Casting-. R. Russell. No. 1,084,169; Jan. 13; Gaz. vol. 198; p. 332.
- Harness-clasp. T. J. Daniel. No. 1,089,625; Mar. 10; Gaz. vol. 200; p. 374.
- Harness device. A. L. Lilley. No. 1,085,449; Jan. 27; Gaz. vol. 198; p. 829.
- Harness-hanger. E. E. Goar. No. 1,113,001; Oct. 6; Gaz. vol. 207; p. 205.
- Harness-hook. C. Blume. No. 1,113,535; Oct. 13; Gaz. vol. 207; p. 437.
- Harness-hook, Automatic. O. P. Vroom. No. 1,100,637; June 16; Gaz. vol. 203; p. 856.
- Harness line and hip support. E. F. Phipps. No. 1,098,835; June 2; Gaz. vol. 203; p. 162.
- Harness loop or billet. C. J. Cooper. No. 1,111,880; Sept. 29; Gaz. vol. 206; p. 1226.
- Harness, Pack-. H. H. Haught. No. 1,114,472; Oct. 20; Gaz. vol. 207; p. 806.
- Harness-pad. C. O. Ness. No. 1,111,402; Sept. 22; Gaz. vol. 206; p. 1021.
- Harness-straps, Protector for. L. L. Littlefield. No. 1,112,708; Oct. 6; Gaz. vol. 207; p. 106.
- Harp. M. A. Clark. No. 1,105,879; Aug. 4; Gaz. vol. 205; p. 102.
- Harp, Sympathetic. A. B. Lee. No. 1,117,199; Nov. 17; Gaz. vol. 208; p. 685.

Alphabetical list of inventions—Continued.

- Harrow. A. Anderson. No. 1,121,320; Dec. 15; Gaz. vol. 209; p. 926.
- Harrow. E. Aspfors. No. 1,109,813; Sept. 8; Gaz. vol. 206; p. 378.
- Harrow. J. W. Buckley. No. 1,121,468; Dec. 15; Gaz. vol. 209; p. 977.
- Harrow. C. N. Campbell. No. 1,105,022; July 28; Gaz. vol. 204; p. 1107.
- Harrow. A. Clauson. No. 1,117,328; Nov. 17; Gaz. vol. 208; p. 729.
- Harrow. H. L. Eaves. No. 1,097,794; May 26; Gaz. vol. 202; p. 1025.
- Harrow. M. Elsas. No. 1,119,143; Dec. 1; Gaz. vol. 209; p. 85.
- Harrow. W. L. Fitzgerald. No. 1,099,290; June 9; Gaz. vol. 203; p. 359.
- Harrow. D. F. Gates. No. 1,114,462; Oct. 20; Gaz. vol. 207; p. 802.
- Harrow. H. M. Glover. No. 1,100,237; June 16; Gaz. vol. 203; p. 721.
- Harrow. A. A. Guerne. No. 1,103,284; July 14; Gaz. vol. 204; p. 417.
- Harrow. S. O. Joy. No. 1,118,288; Nov. 24; Gaz. vol. 208; p. 1102.
- Harrow. M. C. Luster. No. 1,109,436; Sept. 1; Gaz. vol. 206; p. 205.
- Harrow. J. M. McClain. No. 1,119,975; Dec. 8; Gaz. vol. 209; p. 405.
- Harrow. O. L. McKinley. No. 1,109,442; Sept. 1; Gaz. vol. 206; p. 207.
- Harrow. B. Serlachius. No. 1,084,494; Jan. 13; Gaz. vol. 198; p. 436.
- Harrow. E. W. Smith. No. 1,108,261; Aug. 25; Gaz. vol. 205; p. 1076.
- Harrow. J. R. Snyder. No. 1,108,013; Aug. 18; Gaz. vol. 205; p. 942.
- Harrow. W. J. Stokes. No. 1,089,285; Mar. 3; Gaz. vol. 200; p. 209.
- Harrow. S. S. Swanson. No. 1,095,971; May 5; Gaz. vol. 202; p. 270.
- Harrow and clod-crusher, Combined. J. F. Boes. No. 1,107,480; Aug. 18; Gaz. vol. 205; p. 756.
- Harrow and land-leveler. J. H. Porter. No. 1,112,474; Oct. 6; Gaz. vol. 207; p. 21.
- Harrow and pulverizer. A. B. Bucher and H. S. Keck. No. 1,116,236; Nov. 3; Gaz. vol. 208; p. 263.
- Harrow and pulverizer attachment. C. A. Kiggins. No. 1,113,219; Oct. 13; Gaz. vol. 207; p. 322.
- Harrow and seeder, Combined disk. D. A. Schutt. No. 1,106,737; Aug. 11; Gaz. vol. 205; p. 446.
- Harrow attachment. J. W. Jones and G. H. Tucker. No. 1,083,364; Jan. 6; Gaz. vol. 198; p. 35.
- Harrow attachment. C. A. Skovbroten. No. 1,101,151; June 23; Gaz. vol. 203; p. 1091.
- Harrow attachment, Corn-planter. J. Demmer. No. 1,120,912; Dec. 15; Gaz. vol. 209; p. 786.
- Harrow. Cultivator. I. C. Terry. No. 1,101,356; June 23; Gaz. vol. 203; p. 1160.
- Harrow. Disk. A. Emmert. No. 1,092,249; Apr. 7; Gaz. vol. 201; p. 43.
- Harrow. Disk. W. S. Nichols. No. 1,092,284; Apr. 7; Gaz. vol. 201; p. 57.
- Harrow. Disk. J. R. Pile. No. 1,120,158; Dec. 8; Gaz. vol. 209; p. 470.
- Harrow. Disk. L. E. Waterman. No. 1,104,748; July 21; Gaz. vol. 204; p. 963.
- Harrow-disks, Detachable packer-rim for. R. W. Gilpin and J. B. Romine. No. 1,105,130; July 28; Gaz. vol. 204; p. 1144.
- Harrow, Double-cut. H. S. Dickinson. No. 1,115,410; Oct. 27; Gaz. vol. 207; p. 1186.
- Harrow, Double disk. F. B. Niesz. No. 1,113,241; Oct. 13; Gaz. vol. 207; p. 331.
- Harrow. Drag. F. Kramer. No. 1,096,844; May 19; Gaz. vol. 202; p. 646.
- Harrow drilling attachment, Disk. W. M. Spore and F. Harpstrite. No. 1,109,711; Sept. 8; Gaz. vol. 206; p. 344.
- Harrow. Folding. J. Mason. No. 1,088,788; Mar. 3; Gaz. vol. 200; p. 40.
- Harrow. Folding. E. W. Waynert. No. 1,110,846; Sept. 15; Gaz. vol. 206; p. 786.
- Harrow-pin. E. Daly. No. 1,119,248; Dec. 1; Gaz. vol. 209; p. 120.
- Harrow. Pulverizing and smoothing. R. E. Berry. No. 1,097,908; May 26; Gaz. vol. 202; p. 1067.
- Harrow. Revolving. J. M. Bassler. No. 1,091,273; Mar. 24; Gaz. vol. 200; p. 1014.
- Harrow. Revolving tooth. J. O. Wolf. No. 1,085,231; Jan. 27; Gaz. vol. 198; p. 755.
- Harrow. Riding. W. J. Pitt. No. 1,098,296; May 26; Gaz. vol. 202; p. 1200.
- Harrow-tooth. E. T. Collings. No. 1,116,997; Nov. 10; Gaz. vol. 208; p. 572.
- Harrow-tooth. T. J. Gibbons. No. 1,091,831; Mar. 31; Gaz. vol. 200; p. 1247.
- Harrow-tooth. J. Whipps. No. 1,109,493; Sept. 1; Gaz. vol. 206; p. 224.
- Harrow-tooth fastener. W. F. Keller. No. 1,108,909; Sept. 1; Gaz. vol. 206; p. 17.
- Harrow-tooth mount. C. Berg. No. 1,110,986; Sept. 15; Gaz. vol. 206; p. 834.
- Harrow weeder-tooth. C. E. Roosevelt. No. 1,085,359; Jan. 27; Gaz. vol. 198; p. 800.
- Harrow, Zigzag. F. Hanson. No. 1,091,131; Mar. 24; Gaz. vol. 200; p. 966.
- Harrows, Automatic guiding device for. J. G. Leal. No. 1,109,076; Sept. 1; Gaz. vol. 206; p. 78.
- Harrows. Weeder for. B. T. Lane. No. 1,107,173; Aug. 11; Gaz. vol. 205; p. 599.
- Harvester. J. F. Appleby. No. 1,105,235; July 28; Gaz. vol. 204; p. 1182.
- Harvester. W. L. Friday. No. 1,109,916; Sept. 8; Gaz. vol. 206; p. 416.
- Harvester. O. Kluge. No. 1,092,721; Apr. 7; Gaz. vol. 201; p. 205.
- Harvester. S. E. McPherson. No. 1,114,900; Oct. 27; Gaz. vol. 207; p. 1007.
- Harvester. J. Swayger. No. 1,099,407; June 9; Gaz. vol. 203; p. 400.
- Harvester and binder. H. W. Zahn. No. 1,102,847; July 7; Gaz. vol. 204; p. 218.
- Harvester and husking machine, Corn. E. J. McCrabb. No. 1,109,688; Sept. 8; Gaz. vol. 206; p. 335.
- Harvester attachment. J. A. Dickel and C. H. Baker. No. 1,121,812; Dec. 22; Gaz. vol. 209; p. 1133.
- Harvester attachment. V. L. Haynes. No. 1,092,046; Mar. 31; Gaz. vol. 200; p. 1318.
- Harvester attachment. L. S. Linn. No. 1,105,084; July 28; Gaz. vol. 204; p. 1130.
- Harvester-bag carrier. A. M. Schertz. No. 1,122,805; Dec. 29; Gaz. vol. 209; p. 1517.
- Harvester, Bean. J. F. Oakes. No. 1,111,853; Sept. 29; Gaz. vol. 206; p. 1216.
- Harvester, Beet. J. A. Browning. No. 1,095,802; May 5; Gaz. vol. 202; p. 215.
- Harvester, Beet. C. G. Cooper. No. 1,088,260; Feb. 24; Gaz. vol. 199; p. 1074.
- Harvester, Beet. H. E. Dally. No. 1,119,138; Dec. 1; Gaz. vol. 209; p. 83.
- Harvester, Beet. J. B. Dawson. No. 1,094,983; Apr. 28; Gaz. vol. 201; p. 1112.
- Harvester, Beet. L. W. Eversman and H. H. Hodges. No. 1,083,927; Jan. 13; Gaz. vol. 198; p. 249.
- Harvester, Beet. H. W. Goode and W. H. Dailey. No. 1,099,643; June 9; Gaz. vol. 203; p. 480.
- Harvester, Beet. E. H. Hollis. No. 1,092,216; Apr. 7; Gaz. vol. 201; p. 32.
- Harvester, Beet. F. A. Jackson. No. 1,122,761; Dec. 29; Gaz. vol. 209; p. 1500.
- Harvester, Beet. H. P. Jensen. No. 1,102,272; July 7; Gaz. vol. 204; p. 18.
- Harvester, Beet. J. Kehr. No. 1,121,372; Dec. 15; Gaz. vol. 209; p. 944.
- Harvester, Beet. E. P. Le Compte. No. 1,117,065; Nov. 10; Gaz. vol. 208; p. 596.
- Harvester, Beet. H. D. Meek. No. 1,111,078; Sept. 22; Gaz. vol. 206; p. 910.
- Harvester, Beet. A. Morison. No. 1,090,871; Mar. 24; Gaz. vol. 200; p. 875.
- Harvester, Beet. K. Sato. No. 1,107,551; Aug. 18; Gaz. vol. 205; p. 779.
- Harvester, Beet. H. B. Schrader. No. 1,115,250; Oct. 27; Gaz. vol. 207; p. 1132.
- Harvester, Beet. J. E. Stone. No. 1,121,686; Dec. 22; Gaz. vol. 209; p. 1090.
- Harvester, Beet. J. H. Wallace, T. D. and J. D. Means. No. 1,105,728; Aug. 4; Gaz. vol. 205; p. 50.
- Harvester, Beet. J. A. Weaver. No. 1,086,631; Feb. 10; Gaz. vol. 199; p. 413.
- Harvester, Beet. J. G. Webber and C. F. Carr. No. 1,112,344; Sept. 29; Gaz. vol. 206; p. 1383.
- Harvester binder-head. H. E. Heitmiller. No. 1,106,562; Aug. 11; Gaz. vol. 205; p. 386.
- Harvester-binder knotter. J. M. Simpson and J. E. Wilkinson. No. 1,112,389; Sept. 29; Gaz. vol. 206; p. 1400.
- Harvester-binder reel. C. W. Riley, J. L. Vance, and H. A. Jenkins. No. 1,085,299; Jan. 27; Gaz. vol. 198; p. 779.
- Harvester bundle-carrying attachment, Grain. J. J. Payer. No. 1,090,338; Mar. 17; Gaz. vol. 200; p. 661.
- Harvester, Cabbage. A. S. Warren. No. 1,110,844; Sept. 15; Gaz. vol. 206; p. 785.
- Harvester, Cane. A. N. Hadley. No. 1,122,741; Dec. 29; Gaz. vol. 209; p. 1493.
- Harvester, Corn. J. K. Branine. No. 1,100,211; June 16; Gaz. vol. 203; p. 713.
- Harvester, Corn. F. Brown. No. 1,121,895; Dec. 22; Gaz. vol. 209; p. 1164.
- Harvester, Corn. C. K. Conner. No. 1,083,388; Jan. 6; Gaz. vol. 198; p. 43.
- Harvester, Corn. A. Davidson. No. 1,115,288; Oct. 27; Gaz. vol. 207; p. 1144.
- Harvester, Corn. F. W. Dill. No. 1,119,072; Dec. 1; Gaz. vol. 209; p. 61.
- Harvester, Corn. W. N. Edgar. No. 1,088,556; Feb. 24; Gaz. vol. 199; p. 1171.
- Harvester, Corn. W. Hibbs. No. 1,090,150; Mar. 17; Gaz. vol. 200; p. 595.
- Harvester, Corn. A. Kepler. No. 1,091,747; Mar. 31; Gaz. vol. 200; p. 1217.

Alphabetical list of inventions--Continued.

- Harvester, Corn-. L. Larsen. No. 1,110,801; Sept. 15; Gaz. vol. 206; p. 770.
- Harvester, Corn-. T. J. Love. No. 1,113,225; Oct. 13; Gaz. vol. 207; p. 325.
- Harvester, Corn-. A. J. Markham. No. 1,121,740; Dec. 22; Gaz. vol. 209; p. 1108.
- Harvester, Corn-. C. Means. No. 1,087,455; Feb. 17; Gaz. vol. 199; p. 750.
- Harvester, Corn-. G. H. Pallady. No. 1,096,744; May 12; Gaz. vol. 202; p. 569.
- Harvester, Corn-. S. R. Payne. No. 1,101,037; June 23; Gaz. vol. 203; p. 1052.
- Harvester, Corn-. E. C. Reinders. No. 1,095,520; May 5; Gaz. vol. 202; p. 119.
- Harvester, Corn-. W. H. Roe. No. 1,095,030; Apr. 28; Gaz. vol. 201; p. 1127.
- Harvester, Corn-. U. A. Shirey. No. 1,099,210; June 9; Gaz. vol. 203; p. 330.
- Harvester, Corn-. F. R. Wright. No. 1,113,857; Oct. 13; Gaz. vol. 207; p. 548.
- Harvester, Cotton-. W. H. Hefley. No. 1,095,572; May 5; Gaz. vol. 202; p. 136.
- Harvester, Cotton-. G. Lisenard. No. 1,084,214; Jan. 13; Gaz. vol. 198; p. 348.
- Harvester, Cotton-. D. B. Lovejoy. No. 1,107,083; Aug. 11; Gaz. vol. 205; p. 564.
- Harvester, Cotton-. L. L. Upshaw. No. 1,092,762; Apr. 7; Gaz. vol. 201; p. 219.
- Harvester, Cotton-boll-. R. W. Monk. No. 1,105,915; Aug. 4; Gaz. vol. 205; p. 114.
- Harvester, Cranberry-. G. F. Keene. No. 1,090,860; Mar. 24; Gaz. vol. 200; p. 870.
- Harvester elevator-support. A. C. Funk. No. 1,121,620; Dec. 22; Gaz. vol. 209; p. 1066.
- Harvester, Ensilage-. C. C. Gray. No. 1,121,998; Dec. 22; Gaz. vol. 209; p. 1200.
- Harvester for beans and the like. J. S. Cain. No. 1,093,108; Apr. 14; Gaz. vol. 201; p. 372.
- Harvester for beets and other root crops. F. S. Ingoldsby. No. 1,111,538; Sept. 22; Gaz. vol. 206; p. 1067.
- Harvester for peas, beans, or the like. S. Roosa. No. 1,120,977; Dec. 15; Gaz. vol. 209; p. 806.
- Harvester, Fruit-. J. L. Slatton. No. 1,109,645; Sept. 1; Gaz. vol. 206; p. 278.
- Harvester, Kafr-corn-. W. Amrein. No. 1,123,203; Dec. 29; Gaz. vol. 209; p. 1658.
- Harvester, Kelp-. S. A. Knapp. No. 1,120,206; Dec. 8; Gaz. vol. 209; p. 488.
- Harvester, Motor-. J. F. Steward. No. 1,090,246; Mar. 17; Gaz. vol. 200; p. 630.
- Harvester, Pear-. P. Macco. No. 1,105,445; July 28; Gaz. vol. 204; p. 1258.
- Harvester, Potato-. C. Klinghammer. No. 1,107,965; Aug. 18; Gaz. vol. 205; p. 923.
- Harvester, Potato-. T. S. Moore. No. 1,106,668; Aug. 11; Gaz. vol. 205; p. 423.
- Harvester-reel. F. M. Baker. No. 1,085,076; Jan. 20; Gaz. vol. 198; p. 664.
- Harvester-reel. S. Christensen. No. 1,113,602; Oct. 13; Gaz. vol. 207; p. 458.
- Harvester-reel support. G. W. Mixer. No. 1,117,420; Nov. 17; Gaz. vol. 208; p. 760.
- Harvester, Sugar-cane. J. T. Biggs. No. 1,101,393; June 23; Gaz. vol. 203; p. 1173.
- Harvester, Tobacco-. H. L. and S. C. Nunnolley. No. 1,090,747; Mar. 17; Gaz. vol. 200; p. 800.
- Harvester, Traction-. C. F. Radatz. No. 1,096,562; May 12; Gaz. vol. 202; p. 508.
- Harvester, Traveling-. F. S. Holley. No. 1,096,428; May 12; Gaz. vol. 202; p. 463.
- Harvesters and the like, Power mechanism for. L. T. Velen. No. 1,088,384; Feb. 24; Gaz. vol. 199; p. 1116.
- Harvesters, Header attachment for binder-equipped. M. Tufty and J. M. Schoeder. No. 1,119,898; Dec. 8; Gaz. vol. 209; p. 379.
- Harvesters, Heading attachment for Kafr-corn-. J. Stewart. No. 1,091,779; Mar. 31; Gaz. vol. 200; p. 1229.
- Harvesters, Picking mechanism for cotton-. L. L. Upshaw. No. 1,084,508; Jan. 13; Gaz. vol. 198; p. 441.
- Harvesters, Screen-shoe-leveling mechanism for. W. M. Rhodes. No. 1,122,803; Dec. 29; Gaz. vol. 209; p. 1516.
- Harvesters, Tandem draft connection for. L. A. Thomas. No. 1,085,367; Jan. 27; Gaz. vol. 198; p. 802.
- Harvesters, Twine-can for self-binding. I. E. Brown. No. 1,119,238; Dec. 1; Gaz. vol. 209; p. 117.
- Harvesting and cutting ensilage, Machine for. J. S. Spangler. No. 1,117,460; Nov. 17; Gaz. vol. 208; p. 774.
- Harvesting and topping machine, Beet. M. S. Foutch. No. 1,099,978; June 16; Gaz. vol. 203; p. 631.
- Harvesting broom-corn and the like, Machine for. G. H. Pallady. No. 1,116,107; Nov. 3; Gaz. vol. 208; p. 220.
- Harvesting device, Banana-. A. N. Roth. No. 1,113,694; Oct. 13; Gaz. vol. 207; p. 490.
- Harvesting-machine. J. R. England. No. 1,106,196; Aug. 4; Gaz. vol. 205; p. 214.
- Harvesting-machine. I. F. Wilcoxson. No. 1,106,018; Aug. 4; Gaz. vol. 205; p. 151.
- Harvesting-machine. I. F. Wilcoxson. No. 1,106,019; Aug. 4; Gaz. vol. 205; p. 151.
- Harvesting machine, Beet-. A. F. Glinke. No. 1,100,969; June 23; Gaz. vol. 203; p. 1028.
- Harvesting machine, Beet-. J. Massart. No. 1,083,451; Jan. 6; Gaz. vol. 198; p. 65.
- Harvesting machine, Beet-. J. Stone. No. 1,113,505; Oct. 13; Gaz. vol. 207; p. 426.
- Harvesting machine, Corn-. W. S. Baird. No. 1,102,227; July 7; Gaz. vol. 204; p. 3.
- Harvesting machine, Corn-. G. W. and O. Henderson. No. 1,103,766; July 14; Gaz. vol. 204; p. 584.
- Harvesting machine, Corn-. D. T. Phillips. No. 1,115,565; Nov. 3; Gaz. vol. 208; p. 33.
- Harvesting machine, Corn-. F. A. Tuttle. No. 1,099,216; June 9; Gaz. vol. 203; p. 333.
- Harvesting machine, Corn-. A. A. Webber. No. 1,097,693; May 26; Gaz. vol. 202; p. 988.
- Harvesting machine, Potato-. W. A. Ruka, Jr. No. 1,086,563; Feb. 10; Gaz. vol. 199; p. 389.
- Harvesting machines, End plate for the spindle-cylinders of cotton-. R. C. Scherling. No. 1,121,294; Dec. 15; Gaz. vol. 209; p. 917.
- Hasp-fastener. R. Bruce. No. 1,122,469; Dec. 29; Gaz. vol. 209; p. 1398.
- Hasp-fastener. E. F. Culbertson. No. 1,105,886; Aug. 4; Gaz. vol. 205; p. 104.
- Hasp-fastener. J. E. G. Geisel. No. 1,096,902; May 19; Gaz. vol. 202; p. 668.
- Hasp-fastener. F. T. Harrigan. No. 1,087,763; Feb. 17; Gaz. vol. 199; p. 856.
- Hasp-hook. L. L. Cilley and S. J. Brion. No. 1,102,720; July 7; Gaz. vol. 204; p. 174.
- Hasp-lock. O. S. Murphy. No. 1,111,028; Sept. 22; Gaz. vol. 206; p. 892.
- Hasp-lock. J. Wagner. No. 1,094,279; Apr. 21; Gaz. vol. 201; p. 806.
- Hat. J. O. Haas. No. 1,093,777; Apr. 21; Gaz. vol. 201; p. 637.
- Hat. A. Slotoff. No. 1,114,400; Oct. 20; Gaz. vol. 207; p. 778.
- Hat and coat hanger. E. T. McCord. No. 1,102,420; July 7; Gaz. vol. 204; p. 70.
- Hat and coat rack, Combined. B. S. Trice. No. 1,116,765; Nov. 10; Gaz. vol. 208; p. 491.
- Hat binder and marker, Combined. S. G. Leitch. No. 1,098,044; May 26; Gaz. vol. 202; p. 1113.
- Hat-binding. G. Kremer. No. 1,093,338; Apr. 14; Gaz. vol. 201; p. 452.
- Hat-blank-treating device. W. F. Chiniquy and W. O. Winch. No. 1,111,363; Sept. 22; Gaz. vol. 206; p. 1007.
- Hat-blocking machine. B. J. Diaz. No. 1,118,638; Nov. 24; Gaz. vol. 208; p. 1227.
- Hat-blocking machine, Steam. O. C. Pendleton. No. 1,102,542; July 7; Gaz. vol. 204; p. 112.
- Hat-bodies, Finishing. H. T. Emmons. No. 1,103,183; July 14; Gaz. vol. 204; p. 383.
- Hat bodies, Process of and apparatus for treating fur-. J. H. Derby. No. 1,123,113; Dec. 29; Gaz. vol. 209; p. 1624.
- Hat-body-finishing machine. J. Kolb. No. 1,096,111; May 12; Gaz. vol. 202; p. 355.
- Hat-body-planking machine, Felt-. A. Turner and T. Robinson. No. 1,100,459; June 16; Gaz. vol. 203; p. 799.
- Hat-box. C. Bitler. No. 1,109,392; Sept. 1; Gaz. vol. 206; p. 191.
- Hat-box. J. R. Medley. No. 1,099,142; June 2; Gaz. vol. 203; p. 262.
- Hat-box. F. Triebel. No. 1,114,313; Oct. 20; Gaz. vol. 207; p. 748.
- Hat-brim-curling machine. S. J. Miller. No. 1,100,899; June 23; Gaz. vol. 203; p. 1002.
- Hat-brim press. F. Herr. No. 1,093,411; Apr. 14; Gaz. vol. 201; p. 477.
- Hat brushing, jacking, and sizing machine. J. H. Starr and J. F. Doran. No. 1,114,547; Oct. 20; Gaz. vol. 207; p. 832.
- Hat-brushing machine, Felt-. W. E. Turner. No. 1,100,460; June 16; Gaz. vol. 203; p. 799.
- Hat-carding machine. G. A. Lowe. No. 1,098,743; June 2; Gaz. vol. 203; p. 132.
- Hat-case, Lady's. M. S. McKenzie. No. 1,105,986; Aug. 4; Gaz. vol. 205; p. 140.
- Hat-covering. W. C. Wetmore. No. 1,083,344; Jan. 6; Gaz. vol. 198; p. 28.
- Hat-covering, Rain-proof. P. Callagan. No. 1,116,018; Nov. 3; Gaz. vol. 208; p. 189.
- Hat-crown-pouncing machine. J. F. Doran. No. 1,110,191; Sept. 8; Gaz. vol. 206; p. 515.
- Hat-crown-pouncing machine. J. F. Doran. No. 1,110,192; Sept. 8; Gaz. vol. 206; p. 515.
- Hat-cushion. W. and J. Levy. No. 1,090,314; Mar. 17; Gaz. vol. 200; p. 653.
- Hat-fastener. A. J. Colombot. No. 1,085,972; Feb. 3; Gaz. vol. 199; p. 140.
- Hat-fastener. J. Gorelovitz. No. 1,090,613; Mar. 17; Gaz. vol. 200; p. 759.
- Hat-fastener. J. S. Harris. No. 1,094,328; Apr. 21; Gaz. vol. 201; p. 820.
- Hat-fastener. M. O. Keith and K. D. McQueen. No. 1,094,661; Apr. 28; Gaz. vol. 201; p. 999.

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- Hat-fastener. F. S. Laroche. No. 1,084,282; Jan. 13; Gaz. vol. 198; p. 370.
- Hat-fastener. L. F. Schrage. No. 1,118,061; Nov. 24; Gaz. vol. 208; p. 1025.
- Hat-fastener. A. O. Sethman. No. 1,084,758; Jan. 20; Gaz. vol. 198; p. 558.
- Hat-fastener. G. A. Ulrich. No. 1,095,752; May 5; Gaz. vol. 202; p. 198.
- Hat-fastener. O. Voss. No. 1,093,747; Apr. 21; Gaz. vol. 201; p. 629.
- Hat, Felt. A. B. Waring. No. 1,115,042; Oct. 27; Gaz. vol. 207; p. 1058.
- Hat-flanging machine. G. P. Foote. No. 1,108,730; Aug. 25; Gaz. vol. 205; p. 1238.
- Hat-frame machine. D. Joseph. No. 1,107,167; Aug. 11; Gaz. vol. 205; p. 596.
- Hat-guard. F. P. Snow. No. 1,098,691; June 2; Gaz. vol. 203; p. 115.
- Hat-holder. J. B. Conrad. No. 1,083,805; Jan. 6; Gaz. vol. 198; p. 180.
- Hat-holder. J. R. Corthell. No. 1,091,812; Mar. 31; Gaz. vol. 200; p. 1241.
- Hat-holder, Theater-seat. E. J. Whitman. No. 1,121,959; Dec. 22; Gaz. vol. 209; p. 1186.
- Hat-holding device. B. Dickenson. No. 1,083,922; Jan. 13; Gaz. vol. 198; p. 247.
- Hat-package, Collapsible. J. W. Weiss. No. 1,109,722; Sept. 8; Gaz. vol. 206; p. 347.
- Hat-paring machine. F. C. Craw. No. 1,087,925; Feb. 24; Gaz. vol. 199; p. 957.
- Hat-pin. M. L. Bagley. No. 1,083,425; Jan. 6; Gaz. vol. 198; p. 56.
- Hat-pin. C. P. Broussard. No. 1,092,689; Apr. 7; Gaz. vol. 201; p. 194.
- Hat-pin. C. Cleveland. No. 1,118,473; Nov. 24; Gaz. vol. 208; p. 1171.
- Hat-pin. A. B. Kokernot. No. 1,117,858; Nov. 17; Gaz. vol. 208; p. 915.
- Hat-pin attachment. W. Barnett. No. 1,084,190; Jan. 13; Gaz. vol. 198; p. 340.
- Hat-pin fastener and protector. J. M. Chritton. No. 1,088,967; Mar. 3; Gaz. vol. 200; p. 101.
- Hat-pin guard. A. Coates. No. 1,103,899; July 14; Gaz. vol. 204; p. 630.
- Hat-pin guard. F. Degner. No. 1,085,327; Jan. 27; Gaz. vol. 198; p. 789.
- Hat-pin guard. J. Jurkowski. No. 1,122,505; Dec. 29; Gaz. vol. 209; p. 1410.
- Hat-pin guard. J. Kirchner. No. 1,112,011; Sept. 29; Gaz. vol. 206; p. 1267.
- Hat-pin guard. L. A. McLain. No. 1,083,333; Jan. 6; Gaz. vol. 198; p. 25.
- Hat-pin guard. V. Michet. No. 1,088,918; Mar. 3; Gaz. vol. 200; p. 84.
- Hat-pin guard. V. Michet. No. 1,090,828; Mar. 17; Gaz. vol. 200; p. 828.
- Hat-pin guard. W. H. Nutter. No. 1,089,949; Mar. 10; Gaz. vol. 200; p. 486.
- Hat-pin guard. F. Olechnowicz. No. 1,092,536; Apr. 7; Gaz. vol. 201; p. 142.
- Hat-pin guard. E. C. Pleasants. No. 1,089,584; Mar. 10; Gaz. vol. 200; p. 360.
- Hat-pin guard. R. W. and F. M. Schmidt. No. 1,093,730; Apr. 21; Gaz. vol. 201; p. 625.
- Hat-pin-point-protecting device. J. Przybytko. No. 1,089,867; Mar. 10; Gaz. vol. 200; p. 456.
- Hat-pin-point protector. J. H. Burns. No. 1,093,765; Apr. 21; Gaz. vol. 201; p. 634.
- Hat-pin-point protector. M. Ferguson. No. 1,098,791; June 2; Gaz. vol. 203; p. 147.
- Hat-pin-point protector. C. G. Johnson. No. 1,098,732; June 2; Gaz. vol. 203; p. 128.
- Hat-pin-point protector. E. J. Magee. No. 1,084,553; Jan. 13; Gaz. vol. 198; p. 458.
- Hat-pin-point protector. A. Strzenciwick. No. 1,103,704; July 14; Gaz. vol. 204; p. 565.
- Hat-pin protector. M. E. Blessing. No. 1,088,871; Mar. 3; Gaz. vol. 200; p. 68.
- Hat-pin protector. J. B. Crosby. No. 1,119,245; Dec. 1; Gaz. vol. 209; p. 119.
- Hat-pin protector. K. Yoshinaga. No. 1,118,997; Dec. 1; Gaz. vol. 209; p. 33.
- Hat-pin, Safety. J. M. Donaldson. No. 1,114,869; Oct. 27; Gaz. vol. 207; p. 996.
- Hat-pin, Safety. C. Gates. No. 1,111,741; Sept. 29; Gaz. vol. 206; p. 1172.
- Hat-press. M. A. Cuming. No. 1,095,456; May 5; Gaz. vol. 202; p. 97.
- Hat-press. M. A. Cuming. No. 1,096,003; May 5; Gaz. vol. 202; p. 281.
- Hat pressing or blocking device. B. J. Diaz. No. 1,106,635; Aug. 11; Gaz. vol. 205; p. 412.
- Hat-protector. P. and J. Velardo. No. 1,106,527; Aug. 11; Gaz. vol. 205; p. 372.
- Hat-rack. J. F. Hutt. No. 1,116,706; Nov. 10; Gaz. vol. 208; p. 471.
- Hat, Reversible. A. M. Le Pierre. No. 1,111,659; Sept. 22; Gaz. vol. 206; p. 1110.
- Hat, Safety baby-. A. Scaturro. No. 1,104,553; July 21; Gaz. vol. 204; p. 899.
- Hat-securing device. T. Keeper. No. 1,116,896; Nov. 10; Gaz. vol. 208; p. 537.
- Hat-shaper. W. Pye. No. 1,087,683; Feb. 17; Gaz. vol. 199; p. 831.
- Hat shaping and forming machine. H. L. Stevens. No. 1,103,096; July 14; Gaz. vol. 204; p. 350.
- Hat-sizing machine. A. Turner. No. 1,118,079; Nov. 24; Gaz. vol. 208; p. 1031.
- Hat-stretcher. A. Hoff. No. 1,118,550; Nov. 24; Gaz. vol. 208; p. 1197.
- Hat-supporting device. J. J. Cannan. No. 1,087,158; Feb. 17; Gaz. vol. 199; p. 644.
- Hat, Tourist's folding. R. Herrmann. No. 1,103,876; July 14; Gaz. vol. 204; p. 622.
- Hat-treating apparatus. L. De Nucci. No. 1,087,733; Feb. 17; Gaz. vol. 199; p. 848.
- Hat, Two-toned rimmed. G. P. Comey. No. 1,096,827; May 19; Gaz. vol. 202; p. 641.
- Hat, Ventilated. F. H. Lee. No. 1,088,782; Mar. 3; Gaz. vol. 200; p. 37.
- Hat, Ventilated. J. E. Smith and W. F. Sult. No. 1,103,012; July 7; Gaz. vol. 204; p. 274.
- Hat-ventilator. L. A. Tyler. No. 1,111,417; Sept. 22; Gaz. vol. 206; p. 1026.
- Hat with short velure nap, Napped. F. J. Muhlfield. No. 1,117,886; Nov. 17; Gaz. vol. 208; p. 924.
- Hats, Adjustable bandeau for ladies'. B. Wertheimer. No. 1,086,963; Feb. 10; Gaz. vol. 199; p. 527.
- Hats, Bandeau for. S. and H. Thornley and J. Booth. No. 1,089,291; Mar. 3; Gaz. vol. 200; p. 211.
- Hats, Decorating felt. A. B. Waring. No. 1,115,043; Oct. 27; Gaz. vol. 207; p. 1059.
- Hats, Emergency-covering for. C. Mullaney. No. 1,096,184; May 12; Gaz. vol. 202; p. 379.
- Hats, Making. W. H. Hastings. No. 1,111,066; Sept. 22; Gaz. vol. 206; p. 905.
- Hats, Making felt. A. B. Waring. No. 1,115,354; Oct. 27; Gaz. vol. 207; p. 1165.
- Hats, Manufacture of felt. A. B. Waring. No. 1,085,370; Jan. 27; Gaz. vol. 198; p. 804.
- Hats, Manufacture of plaited. K. Tanimura. No. 1,086,627; Feb. 10; Gaz. vol. 199; p. 412.
- Hats, Manufacturing. A. Turner. No. 1,100,163; June 16; Gaz. vol. 203; p. 697.
- Hats on the head, Device for securing ladies'. E. Tüchler. No. 1,084,177; Jan. 13; Gaz. vol. 198; p. 335.
- Hats or the like, Fastening means for. S. J. Hudson. No. 1,087,376; Feb. 17; Gaz. vol. 199; p. 722.
- Hats, Process and machine for shaping and pressing. W. F. Chiniquy and W. O. Winch. No. 1,108,428; Aug. 25; Gaz. vol. 205; p. 1133.
- Hats, Telescoping device for. F. J. O'Hare and G. E. Lovejoy. No. 1,090,083; Mar. 10; Gaz. vol. 200; p. 531.
- Hats, Tongued reducer for large-crowned. F. J. Muhlfield. No. 1,097,255; May 19; Gaz. vol. 202; p. 793.
- Hand, Interior. A. L. Jones. No. 1,092,774; Apr. 7; Gaz. vol. 201; p. 223.
- Hatch-operating mechanism. H. B. Hills. No. 1,085,422; Jan. 27; Gaz. vol. 198; p. 821.
- Hatchet. F. A. Burgess. No. 1,089,043; Mar. 3; Gaz. vol. 200; p. 126.
- Hatchet. J. H. Huhn. No. 1,118,010; Nov. 24; Gaz. vol. 208; p. 1006.
- Hatchet, Nail-extracting. E. B. Reed. No. 1,114,910; Oct. 27; Gaz. vol. 207; p. 1011.
- Haulage-clip. J. W. Smallman. No. 1,094,404; Apr. 21; Gaz. vol. 201; p. 847.
- Haulage-clip. J. W. Smallman. (Reissue.) No. 13,756; June 23; Gaz. vol. 203; p. 1218.
- Haulage-clip for endless ropes. W. Galloway. No. 1,100,552; June 16; Gaz. vol. 203; p. 829.
- Hauling-tackle. J. and J. Davies. No. 1,100,956; June 23; Gaz. vol. 203; p. 1023.
- Hawk. C. H. Fix. No. 1,095,200; May 5; Gaz. vol. 202; p. 9.
- Hay and grain loader. D. M. Myers. No. 1,105,916; Aug. 4; Gaz. vol. 205; p. 115.
- Hay-carrier. H. L. Ferris. No. 1,101,170; June 23; Gaz. vol. 203; p. 1097.
- Hay-carrier. W. F. Jacobs. No. 1,106,512; Aug. 11; Gaz. vol. 205; p. 367.
- Hay conveyer and elevator, Baled-. C. McCullough. No. 1,108,599; Aug. 25; Gaz. vol. 205; p. 1194.
- Hay-cutter. W. L. Iwan. No. 1,112,701; Oct. 6; Gaz. vol. 207; p. 104.
- Hay-distributor. F. C. Tobias. No. 1,092,875; Apr. 14; Gaz. vol. 201; p. 293.
- Hay-fork. F. H. Barz. No. 1,092,087; Mar. 31; Gaz. vol. 200; p. 1332.
- Hay-fork. J. Heusser. No. 1,103,287; July 14; Gaz. vol. 204; p. 418.
- Hay-fork. J. Holst. No. 1,093,422; Apr. 14; Gaz. vol. 201; p. 479.
- Hay-fork. B. W. Weber. No. 1,091,408; Mar. 24; Gaz. vol. 200; p. 1056.
- Hay-fork, Horse. A. Drumm. No. 1,097,853; May 26; Gaz. vol. 202; p. 1044.
- Hay gatherer and loader, Combined. J. M. Parry. No. 1,115,732; Nov. 3; Gaz. vol. 208; p. 91.

Alphabetical list of inventions—Continued.

- Hay gatherer and stacker. P. Paradise. No. 1,094,093; Apr. 21; Gaz. vol. 201; p. 744.
- Hay gathering and stacking machine. W. G. Gallaher. No. 1,109,674; Sept. 8; Gaz. vol. 206; p. 329.
- Hay in barns. Means for distributing. A. Herr. No. 1,096,240; May 12; Gaz. vol. 202; p. 399.
- Hay-loader. T. P. Corwin. No. 1,103,942; July 21; Gaz. vol. 204; p. 686.
- Hay-loader. M. G. Harris, N. P. Rasmusson, and W. C. Inglethron. No. 1,086,597; Feb. 10; Gaz. vol. 199; p. 401.
- Hay-loader. A. Lomen. No. 1,096,043; May 12; Gaz. vol. 202; p. 332.
- Hay-loader. G. W. Montgomery. No. 1,112,080; Sept. 29; Gaz. vol. 206; p. 1290.
- Hay-loader. A. Otto, Jr. No. 1,099,311; June 9; Gaz. vol. 203; p. 365.
- Hay-loader. R. S. Swartz. No. 1,096,326; May 12; Gaz. vol. 202; p. 431.
- Hay-loader. D. W. Yohn. No. 1,087,624; Feb. 17; Gaz. vol. 199; p. 808.
- Hay loader and stacker. R. J. Francis. No. 1,121,821; Dec. 22; Gaz. vol. 209; p. 1136.
- Hay-loader, Automatic. W. J. Wittenburg. No. 1,089,028; Mar. 3; Gaz. vol. 200; p. 121.
- Hay-loader coupling. J. Dain. No. 1,107,763; Aug. 18; Gaz. vol. 205; p. 856.
- Hay or grain elevator and distributor. D. F. Eshleman. No. 1,109,408; Sept. 1; Gaz. vol. 206; p. 197.
- Hay-pitcher. O. E. Cox. No. 1,109,664; Sept. 8; Gaz. vol. 206; p. 325.
- Hay-press. J. W. Burkett. No. 1,091,912; Mar. 31; Gaz. vol. 200; p. 1276.
- Hay-press. J. Dain and H. B. Sperry. No. 1,090,137; Mar. 17; Gaz. vol. 200; p. 590.
- Hay-press. G. J. Miller. No. 1,118,946; Dec. 1; Gaz. vol. 209; p. 14.
- Hay-press. R. W. Parriott. No. 1,084,356; Jan. 13; Gaz. vol. 198; p. 394.
- Hay-press. L. T. Pate, Jr. No. 1,106,580; Aug. 11; Gaz. vol. 205; p. 392.
- Hay-press. T. Perron. No. 1,119,037; Dec. 1; Gaz. vol. 209; p. 49.
- Hay-press. W. L. Sullivan. No. 1,105,007; July 28; Gaz. vol. 204; p. 1101.
- Hay-press, Duplex. W. Y. Free. No. 1,102,983; July 7; Gaz. vol. 204; p. 263.
- Hay-press power mechanism. W. W. Stopple. No. 1,106,252; Aug. 4; Gaz. vol. 205; p. 230.
- Hay-presses, Electric signal for. C. Schade. No. 1,095,235; May 5; Gaz. vol. 202; p. 21.
- Hay-presses, Electrical attachment for. W. D. Gladney. No. 1,098,493; June 2; Gaz. vol. 203; p. 47.
- Hay-presses, Tying mechanism for. G. J. Miller. No. 1,118,947; Dec. 1; Gaz. vol. 209; p. 14.
- Hay-rack. G. G. Bates. No. 1,098,658; June 2; Gaz. vol. 203; p. 103.
- Hay-rack. E. H. Gagnon. No. 1,116,052; Nov. 3; Gaz. vol. 208; p. 200.
- Hay-rack. P. A. Myers. No. 1,113,469; Oct. 13; Gaz. vol. 207; p. 413.
- Hay-rack. M. H. Wagner. No. 1,121,781; Dec. 22; Gaz. vol. 209; p. 1122.
- Hay-rack. G. S. Washburn. No. 1,111,982; Sept. 29; Gaz. vol. 206; p. 1258.
- Hay-rack. H. S. Wilcox. No. 1,093,304; Apr. 14; Gaz. vol. 201; p. 442.
- Hay-rack clamp. O. K. Dunbar. No. 1,097,011; May 19; Gaz. vol. 202; p. 705.
- Hay-rack lifter. A. Wilson. No. 1,116,964; Nov. 10; Gaz. vol. 208; p. 560.
- Hay-rack wheel-guard. O. H. Larson. No. 1,095,896; May 5; Gaz. vol. 202; p. 245.
- Hay-rake. J. A. Bistline and J. P. Jones. No. 1,109,897; Sept. 8; Gaz. vol. 206; p. 409.
- Hay-rake. W. H. Higginson. No. 1,117,045; Nov. 10; Gaz. vol. 208; p. 589.
- Hay-rake. M. C. Nixon. No. 1,120,401; Dec. 8; Gaz. vol. 209; p. 556.
- Hay rake and stacker. M. R. Jenkins. No. 1,091,064; Mar. 24; Gaz. vol. 200; p. 942.
- Hay rake and tedder, Combined side-delivery. J. Macphail. No. 1,087,541; Feb. 17; Gaz. vol. 199; p. 779.
- Hay-rake, Folding. J. R. and J. E. Glenn. No. 1,118,901; Nov. 24; Gaz. vol. 208; p. 1315.
- Hay-rakes, Tooth-holder for sulky. J. Macphail. No. 1,099,150; June 2; Gaz. vol. 203; p. 265.
- Hay sling or fork return. H. L. Winsor. No. 1,100,858; June 23; Gaz. vol. 203; p. 988.
- Hay-sweep. O. B. Mattson. No. 1,112,223; Sept. 29; Gaz. vol. 206; p. 1341.
- Hay-sweep. W. A. Miller. No. 1,121,389; Dec. 15; Gaz. vol. 209; p. 950.
- Haystack-cover. F. A. Freeland. No. 1,092,707; Apr. 7; Gaz. vol. 201; p. 201.
- Head-blocks. Mill-dog for. C. O. Huntington. No. 1,105,328; July 28; Gaz. vol. 204; p. 1216.
- Head-covering. J. Yokoseki. No. 1,093,162; Apr. 14; Gaz. vol. 201; p. 392.
- Head-covering, Illuminated. F. S. Collier. No. 1,096,285; May 12; Gaz. vol. 202; p. 416.
- Head-dress-retaining device. A. Lange. No. 1,110,446; Sept. 15; Gaz. vol. 206; p. 646.
- Head-gate. J. T. Fitch. No. 1,083,818; Jan. 6; Gaz. vol. 198; p. 184.
- Head-gate. P. H. Genter. No. 1,084,855; Jan. 20; Gaz. vol. 198; p. 592.
- Head-gear, Lady's. N. E. Hughes-Mahone. No. 1,092,794; Apr. 7; Gaz. vol. 201; p. 230.
- Head-gear, Perspiration-band for. C. Alexander. No. 1,084,596; Jan. 20; Gaz. vol. 198; p. 501.
- Head-motion. F. Franz. No. 1,089,633; Mar. 10; Gaz. vol. 200; p. 377.
- Head-protector. S. Cline. No. 1,112,358; Sept. 29; Gaz. vol. 206; p. 1388.
- Head-stock. A. T. Sink. No. 1,117,920; Nov. 17; Gaz. vol. 208; p. 934.
- Header. H. M. Fletcher. No. 1,085,250; Jan. 27; Gaz. vol. 198; p. 762.
- Header. G. F. Horch. No. 1,096,303; May 12; Gaz. vol. 202; p. 421.
- Header. H. S. Thomas and C. H. McFarling. No. 1,090,802; Mar. 17; Gaz. vol. 200; p. 819.
- Header. R. L. Wilcox. No. 1,104,090; July 21; Gaz. vol. 204; p. 737.
- Header and header-binder. J. Stolz. No. 1,093,742; Apr. 21; Gaz. vol. 201; p. 623.
- Header device. C. H. Montgomery. No. 1,104,213; July 21; Gaz. vol. 204; p. 779.
- Header-knife. Underhand. A. P. Henebergh. No. 1,101,076; June 23; Gaz. vol. 203; p. 1065.
- Header-push. C. Remer. No. 1,095,027; Apr. 28; Gaz. vol. 201; p. 1126.
- Header, Two-row. V. Lauer. No. 1,104,911; July 28; Gaz. vol. 204; p. 1070.
- Heading-machine. C. T. Brennan. No. 1,108,426; Aug. 25; Gaz. vol. 205; p. 1132.
- Heading-machines, Feed mechanism for. C. T. Brennan. No. 1,113,406; Oct. 13; Gaz. vol. 207; p. 390.
- Heading-press. E. F. Beugler. No. 1,111,559; Sept. 22; Gaz. vol. 206; p. 1075.
- Heading-tool. A. E. Richey. No. 1,103,434; July 14; Gaz. vol. 204; p. 466.
- Headlight. C. Brown. No. 1,110,877; Sept. 15; Gaz. vol. 206; p. 798.
- Headlight. C. W. Dake. No. 1,098,318; May 26; Gaz. vol. 202; p. 1208.
- Headlight. W. J. Lange and E. C. Roddie. No. 1,122,209; Dec. 22; Gaz. vol. 209; p. 1271.
- Headlight. C. O. Maphis. No. 1,087,028; Feb. 10; Gaz. vol. 199; p. 548.
- Headlight. W. T. Moran. No. 1,086,303; Feb. 3; Gaz. vol. 199; p. 252.
- Headlight. J. Smith and S. F. Warner. No. 1,091,400; Mar. 24; Gaz. vol. 200; p. 1054.
- Headlight-actuating mechanism for locomotives. P. N. Trout. No. 1,112,577; Oct. 6; Gaz. vol. 207; p. 59.
- Headlight-actuator. W. C. Wentz. No. 1,090,262; Mar. 17; Gaz. vol. 200; p. 635.
- Headlight, Adjustable. C. E. Farrell. No. 1,095,095; Apr. 28; Gaz. vol. 201; p. 1149.
- Headlight, Adjustable vehicle. D. C. Kitching. No. 1,111,724; Sept. 22; Gaz. vol. 206; p. 1133.
- Headlight and signal, Combined. J. Stoddard. No. 1,084,763; Jan. 20; Gaz. vol. 198; p. 560.
- Headlight, Automobile. W. N. Allan. No. 1,103,857; July 14; Gaz. vol. 204; p. 615.
- Headlight, Automobile. J. N. Bashaw. No. 1,088,055; Feb. 24; Gaz. vol. 199; p. 1004.
- Headlight, Automobile. J. D. Ellison. No. 1,109,743; Sept. 8; Gaz. vol. 206; p. 354.
- Headlight, Automobile. P. J. Fay. No. 1,101,912; June 30; Gaz. vol. 203; p. 1404.
- Headlight, Automobile. A. S. and W. H. Flory. No. 1,099,920; June 16; Gaz. vol. 203; p. 612.
- Headlight, Automobile. B. Isom. No. 1,102,409; July 7; Gaz. vol. 204; p. 66.
- Headlight, Automobile. C. E. Jones. No. 1,110,940; Sept. 15; Gaz. vol. 206; p. 819.
- Headlight, Automobile. O. L. Vance. No. 1,099,217; June 9; Gaz. vol. 203; p. 333.
- Headlight construction for vehicles. H. M. Dawley. No. 1,096,802; May 12; Gaz. vol. 202; p. 590.
- Headlight control. F. E. Bump and S. J. Barkman. No. 1,105,247; July 28; Gaz. vol. 204; p. 1186.
- Headlight control for automobiles, &c. J. R. Douglas. No. 1,123,182; Dec. 29; Gaz. vol. 209; p. 1651.
- Headlight control, Locomotive. C. M. Burns. No. 1,109,160; Sept. 1; Gaz. vol. 206; p. 107.
- Headlight-controlling device, Automobile. J. S. Cotter. No. 1,117,336; Nov. 17; Gaz. vol. 208; p. 732.
- Headlight-controlling means. H. J. Scott. No. 1,087,188; Feb. 17; Gaz. vol. 199; p. 654.
- Headlight cover, Locomotive. J. Robbe. No. 1,120,540; Dec. 8; Gaz. vol. 209; p. 606.
- Headlight-dimmer. G. G. Rosino and F. W. Thomas. No. 1,084,113; Jan. 13; Gaz. vol. 198; p. 314.
- Headlight-dimmer device. C. S. Ellis. No. 1,115,914; Nov. 3; Gaz. vol. 208; p. 153.
- Headlight, Dirigible. H. L. Galbraith. No. 1,093,178; Apr. 14; Gaz. vol. 201; p. 397.

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- Headlight, Dirigible. A. C. Hunt. No. 1,100,737; June 23; Gaz. vol. 203; p. 946.
- Headlight, Dirigible. H. C. Liggett. No. 1,120,066; Dec. 8; Gaz. vol. 209; p. 437.
- Headlight, Dirigible. W. H. Nelson. No. 1,118,218; Nov. 24; Gaz. vol. 208; p. 1079.
- Headlight, Dirigible. F. M. Nolder. No. 1,084,471; Jan. 13; Gaz. vol. 198; p. 430.
- Headlight, Dirigible. A. Sattler. No. 1,095,289; May 5; Gaz. vol. 202; p. 39.
- Headlight, Dirigible. H. O. Stevens. No. 1,116,151; Nov. 3; Gaz. vol. 208; p. 234.
- Headlight, Dirigible. J. Zimmermann. No. 1,088,675; Feb. 24; Gaz. vol. 199; p. 1211.
- Headlight, Electric. J. M. Richardson. No. 1,088,094; Feb. 24; Gaz. vol. 199; p. 1018.
- Headlight-engine and governing mechanism therefor. G. S. Ranstead. No. 1,113,484; Oct. 13; Gaz. vol. 207; p. 419.
- Headlight for automobiles and other vehicles, Dirigible. W. S. Schuyler. No. 1,116,499; Nov. 10; Gaz. vol. 208; p. 394.
- Headlight for automobiles, Movable. W. W. Fink. No. 1,110,431; Sept. 15; Gaz. vol. 206; p. 640.
- Headlight for automobiles, Rotatable. A. G. Cerda. No. 1,097,612; May 26; Gaz. vol. 202; p. 958.
- Headlight for motor and other vehicles. E. Kalhaus. No. 1,118,354; Nov. 24; Gaz. vol. 208; p. 1126.
- Headlight for motor-vehicles, Adjustable. W. H. Martin. No. 1,120,154; Dec. 8; Gaz. vol. 209; p. 468.
- Headlight for motor-vehicles, Dirigible. N. Miseta. No. 1,090,870; Mar. 24; Gaz. vol. 200; p. 875.
- Headlight for vehicles, Adjustable. C. B. Gray and W. E. Teter. No. 1,105,973; Aug. 4; Gaz. vol. 205; p. 136.
- Headlight for vehicles, Dirigible. H. Guderjahn. No. 1,087,760; Feb. 17; Gaz. vol. 199; p. 855.
- Headlight, Incandescent electric. C. W. Dake. No. 1,098,317; May 26; Gaz. vol. 202; p. 1208.
- Headlight, Incandescent electric. C. W. Dake. No. 1,101,686; June 30; Gaz. vol. 203; p. 1326.
- Headlight, Locomotive. J. W. Bunn. No. 1,101,118; June 23; Gaz. vol. 203; p. 1079.
- Headlight, Locomotive. E. H. Marshall. No. 1,085,453; Jan. 27; Gaz. vol. 198; p. 830.
- Headlight, Locomotive. C. H. Walter. No. 1,098,196; May 26; Gaz. vol. 202; p. 1164.
- Headlight, Locomotive acetylene-gas. W. R. Thurston. No. 1,089,605; Mar. 10; Gaz. vol. 200; p. 367.
- Headlight mechanism. C. S. Parcells. No. 1,091,532; Mar. 31; Gaz. vol. 200; p. 1143.
- Headlight, Mechanism for rotating a locomotive. W. E. Teter and C. B. Gray. No. 1,107,726; Aug. 18; Gaz. vol. 205; p. 842.
- Headlight, Mining. R. C. Kruschke. No. 1,093,339; Apr. 14; Gaz. vol. 201; p. 452.
- Headlight, Motor-vehicle. B. D. Lake and N. G. Marks. No. 1,107,081; Aug. 11; Gaz. vol. 205; p. 564.
- Headlight-mounting, Automobile. W. E. Nickerson. No. 1,089,430; Mar. 10; Gaz. vol. 200; p. 305.
- Headlight, Movable. J. N. Stoner. No. 1,090,761; Mar. 17; Gaz. vol. 200; p. 805.
- Headlight-steering mechanism. C. O. Jackson. No. 1,121,587; Dec. 15; Gaz. vol. 209; p. 1019.
- Headlight, Street-car. J. Fleck. No. 1,089,200; Mar. 3; Gaz. vol. 200; p. 182.
- Headlight-swinging means, Automatic. J. T. Connelly. No. 1,100,714; June 23; Gaz. vol. 203; p. 938.
- Headlight, Trolley-car. W. C. Gray. No. 1,120,810; Dec. 15; Gaz. vol. 209; p. 748.
- Headlight-turner, Automobile. J. E. Bjorlie. No. 1,100,946; June 23; Gaz. vol. 203; p. 1020.
- Headlight-turning device, Automatic. J. W. S. Gardner. No. 1,103,755; July 14; Gaz. vol. 204; p. 581.
- Headlight-turning means. E. O. Clark. No. 1,110,536; Sept. 15; Gaz. vol. 206; p. 676.
- Headlight-turning mechanism. C. P. Anderson. No. 1,103,338; July 14; Gaz. vol. 204; p. 435.
- Headlight, Vehicle. C. M. Hall. No. 1,087,168; Feb. 17; Gaz. vol. 199; p. 647.
- Headlights, Device for turning automobile. T. E. Van Derwerken. No. 1,093,897; Apr. 21; Gaz. vol. 201; p. 679.
- Headlights, Dimmer device for vehicle. G. S. Inman. No. 1,100,484; June 16; Gaz. vol. 203; p. 807.
- Headlights, Light-deflector for. F. F. MacLean. No. 1,119,709; Dec. 1; Gaz. vol. 209; p. 278.
- Headlights, Optical system for. W. Churchill. No. 1,092,560; Apr. 7; Gaz. vol. 201; p. 150.
- Heat and fuel economizer, Adjustable. M. M. Gillam. No. 1,107,605; Aug. 18; Gaz. vol. 205; p. 800.
- Heat by means of electric arcs, Generating. I. Rennerfelt. No. 1,103,379; July 14; Gaz. vol. 204; p. 448.
- Heat, Conserving. H. H. Dow. No. 1,103,948; July 21; Gaz. vol. 204; p. 689.
- Heat-conserving apparatus. H. H. Dow. No. 1,094,061; Apr. 21; Gaz. vol. 201; p. 734.
- Heat-distributor. P. P. Merrill. No. 1,083,503; Jan. 6; Gaz. vol. 198; p. 81.
- Heat distributor or plate. S. B. Wilbur. No. 1,114,087; Oct. 20; Gaz. vol. 207; p. 668.
- Heat-distributing system. S. R. White. No. 1,094,040; Apr. 21; Gaz. vol. 201; p. 726.
- Heat energy, Utilizing. W. H. Smyth. No. 1,089,681; Mar. 10; Gaz. vol. 200; p. 394.
- Heat-engine. V. Florio. No. 1,115,524; Nov. 3; Gaz. vol. 208; p. 20.
- Heat-exchanger. W. Maybach. No. 1,120,956; Dec. 15; Gaz. vol. 209; p. 799.
- Heat from one fluid to another, Apparatus for effecting a transfer of. L. D. Lovekin. No. 1,113,226; Oct. 13; Gaz. vol. 207; p. 325.
- Heat generation. J. P. Cole. No. 1,114,113; Oct. 20; Gaz. vol. 207; p. 677.
- Heat-generator. E. Viz and J. Muslay. No. 1,092,312; Apr. 7; Gaz. vol. 201; p. 66.
- Heat-insulated receptacle. M. V. Roberts. No. 1,088,453; Feb. 24; Gaz. vol. 199; p. 1139.
- Heat-insulated receptacle. L. W. White. No. 1,095,759; May 5; Gaz. vol. 202; p. 200.
- Heat-insulating material, Producing. J. A. Scharwath. No. 1,092,402; Apr. 7; Gaz. vol. 201; p. 96.
- Heat-interchanging apparatus, Manufacture of gilled tubular. W. J. Still. No. 1,095,477; May 5; Gaz. vol. 202; p. 105.
- Heat-interchanging apparatus, Tubular. W. J. Still. No. 1,101,969; June 30; Gaz. vol. 203; p. 1425.
- Heat of combustion-motors for heating purposes, Utilization of. C. Semmler. No. 1,107,368; Aug. 18; Gaz. vol. 205; p. 714.
- Heat of evaporation of liquids, Apparatus for regenerating the latent. E. Nobel and S. Bessonoff. No. 1,118,041; Nov. 24; Gaz. vol. 208; p. 1017.
- Heat-regenerator for heating air or gases. O. Gobbe. No. 1,086,322; Feb. 3; Gaz. vol. 199; p. 257.
- Heat-regulating device. A. P. Felsberg. No. 1,103,574; July 14; Gaz. vol. 204; p. 517.
- Heat-resisting properties of bituminous or tarry materials, Increasing the. K. L. V. Zimmer. No. 1,084,520; Jan. 13; Gaz. vol. 198; p. 446.
- Heat-treating apparatus. J. J. Lichter. No. 1,112,074; Sept. 29; Gaz. vol. 206; p. 1289.
- Heat unit, Electric. P. C. Garrison and R. Boomer. No. 1,092,790; Apr. 7; Gaz. vol. 201; p. 228.
- Heater: See Air-heater; Automobile-heater; Automobile and the like heater; Auxiliary heater; Bath-tub heater; Bed-heater; Car-heater; Chemical heater; Curling-iron heater; Electric heater; Electric induction-heater; Electrical heater; Electrical fluid-heater; Engine-heater; Explosive-mixture heater; Feed-water heater; Fire-engine heater; Fireplace-heater; Flat-iron heater; Fluid-heater; Fuel-heater; Gas-heater; Gaseous-fuel heater; Grain-heater; Hot-air heater; Hot-water heater; Immersion-heater; Lamp-heater; Manifold-heater; Oil-heater; Oil-fuel heater; Orchard-heater; Portable heater; Preliminary heater; Radiator-heater; Reciprocating heater; Smoke-consuming heater; Solar heater; Starch-heater; Steam-heater; Tank-heater; Tire-heater; Towel-heater; Vat-heater; Vehicle-heater; Wall-heater; Water-heater; Well-heater.
- Heater. G. W. Bothwell. No. 1,116,789; Nov. 10; Gaz. vol. 208; p. 500.
- Heater. G. Cugley. No. 1,111,137; Sept. 22; Gaz. vol. 206; p. 930.
- Heater. E. W. Dunn. No. 1,113,966; Oct. 20; Gaz. vol. 207; p. 625.
- Heater. A. W. Finlayson. No. 1,103,356; July 14; Gaz. vol. 204; p. 441.
- Heater. W. S. Hadaway, Jr. No. 1,096,908; May 19; Gaz. vol. 202; p. 669.
- Heater. M. Hauser, Jr. No. 1,098,573; June 2; Gaz. vol. 203; p. 76.
- Heater. W. P. Klobukowski. No. 1,107,966; Aug. 18; Gaz. vol. 205; p. 924.
- Heater. F. F. Long. No. 1,108,919; Sept. 1; Gaz. vol. 206; p. 20.
- Heater. J. E. Milner and J. M. Callahan. No. 1,116,832; Nov. 10; Gaz. vol. 208; p. 515.
- Heater. R. C. Stevens. No. 1,102,452; July 7; Gaz. vol. 204; p. 80.
- Heater. D. S. Webb. No. 1,086,252; Feb. 3; Gaz. vol. 199; p. 237.
- Heater. W. Wedge. No. 1,121,314; Dec. 15; Gaz. vol. 209; p. 924.
- Heater and cooker. F. V. Detwiler. No. 1,084,074; Jan. 13; Gaz. vol. 198; p. 300.
- Heater and cooker. F. V. Detwiler. No. 1,090,289; Mar. 17; Gaz. vol. 200; p. 645.
- Heater and meter, Combination. H. C. Alger. No. 1,086,433; Feb. 10; Gaz. vol. 199; p. 343.
- Heater and ventilator. R. H. Bryan. No. 1,100,118; June 16; Gaz. vol. 203; p. 680.
- Heater for dwellings. J. Ingells. No. 1,085,917; Feb. 3; Gaz. vol. 199; p. 119.
- Heater for water-cooling apparatus of motor-vehicles, &c. W. L. Majors. No. 1,121,266; Dec. 15; Gaz. vol. 209; p. 908.
- Heater regulator, Water. W. Horrocks. No. 1,115,466; Oct. 27; Gaz. vol. 207; p. 1203.
- Heaters, &c., Controller for water. N. G. Goreau. No. 1,114,877; Oct. 27; Gaz. vol. 207; p. 999.

Alphabetical list of inventions—Continued.

- Heaters, Liquid-evaporator for. F. E. Buddington. No. 1,090,835; Mar. 24; Gaz. vol. 200; p. 862.
- Heating and baking furnace. W. A. Campbell. No. 1,119,806; Dec. 8; Gaz. vol. 209; p. 347.
- Heating and cooking device. Electric. W. S. Hadaway, Jr. No. 1,086,165; Feb. 3; Gaz. vol. 199; p. 208.
- Heating and cooling apparatus, Combined. W. A. Freeman. No. 1,117,657; Nov. 17; Gaz. vol. 208; p. 844.
- Heating and cooling body, Thermo-electric. W. W. E. Altenkirch and G. R. Gehlhoff. No. 1,120,781; Dec. 15; Gaz. vol. 209; p. 738.
- Heating and melting furnace. W. N. Best. No. 1,119,227; Dec. 1; Gaz. vol. 209; p. 114.
- Heating and regulating apparatus. W. S. Hadaway, Jr. No. 1,097,223; May 19; Gaz. vol. 202; p. 782.
- Heating and sprinkler system, Combined. C. P. Nutter and J. E. Chatman. No. 1,087,136; Feb. 17; Gaz. vol. 199; p. 637.
- Heating and ventilating apparatus. F. E. Swift. No. 1,115,614; Nov. 3; Gaz. vol. 208; p. 50.
- Heating and ventilating device, Electric. F. J. Cook. No. 1,091,733; Mar. 31; Gaz. vol. 200; p. 1212.
- Heating apparatus. W. T. Bland. No. 1,099,785; June 9; Gaz. vol. 203; p. 529.
- Heating apparatus. W. Check and B. I. Sipes. No. 1,087,274; Feb. 17; Gaz. vol. 199; p. 686.
- Heating apparatus. M. B., Jr., and P. T. Jackson. No. 1,093,103; Apr. 14; Gaz. vol. 201; p. 371.
- Heating apparatus. C. J. Johnson. No. 1,093,333; Apr. 14; Gaz. vol. 201; p. 450.
- Heating apparatus. J. M. W. Kitchen. No. 1,085,210; Jan. 27; Gaz. vol. 198; p. 747.
- Heating apparatus. C. Kratt. No. 1,095,405; May 5; Gaz. vol. 202; p. 79.
- Heating apparatus. G. Machlet, Jr. No. 1,099,658; June 9; Gaz. vol. 203; p. 485.
- Heating apparatus. J. McGuire. No. 1,098,950; June 2; Gaz. vol. 203; p. 201.
- Heating apparatus. C. C. Miller. No. 1,114,172; Oct. 20; Gaz. vol. 207; p. 698.
- Heating apparatus. E. J. Smith. No. 1,089,728; Mar. 10; Gaz. vol. 200; p. 409.
- Heating apparatus. R. Sulzer. No. 1,083,343; Jan. 6; Gaz. vol. 198; p. 28.
- Heating apparatus. S. G. Supplee. No. 1,117,277; Nov. 17; Gaz. vol. 208; p. 710.
- Heating-apparatus-controlling device, Automatic. E. E. Gold. No. 1,087,231; Feb. 17; Gaz. vol. 199; p. 671.
- Heating apparatus, Electric. D. Farrand. No. 1,122,892; Dec. 29; Gaz. vol. 209; p. 1548.
- Heating apparatus, Fire-box of industrial and household. F. E. Colignon. No. 1,086,996; Feb. 10; Gaz. vol. 199; p. 538.
- Heating apparatus, Hot-water. J. F. Cunningham. No. 1,084,135; Jan. 13; Gaz. vol. 198; p. 321.
- Heating apparatus, Humidifying means for use in conjunction with. A. A. Cardwell. No. 1,117,784; Nov. 17; Gaz. vol. 208; p. 890.
- Heating apparatus, Steam-. H. C. Mallory. No. 1,098,815; June 2; Gaz. vol. 203; p. 155.
- Heating apparatus, Steam-. J. F. McElroy. No. 1,120,319; Dec. 8; Gaz. vol. 209; p. 526.
- Heating apparatus, Vapor-. D. F. Morton. No. 1,122,408; Dec. 29; Gaz. vol. 209; p. 1377.
- Heating appliance. R. M. Dixon. No. 1,115,411; Oct. 27; Gaz. vol. 207; p. 1186.
- Heating-boiler. E. B. Babcock and P. F. Widholm. No. 1,101,776; June 30; Gaz. vol. 203; p. 1356.
- Heating coated fabric, Apparatus for. W. B. and E. W. Wescott. No. 1,102,178; June 30; Gaz. vol. 203; p. 1499.
- Heating-coil, Electric. C. C. Lillibridge. No. 1,100,585; June 16; Gaz. vol. 203; p. 839.
- Heating device. H. W. Denhard. No. 1,102,392; July 7; Gaz. vol. 204; p. 59.
- Heating device. D. H. Leas and J. P. Ferguson. No. 1,085,273; Jan. 27; Gaz. vol. 198; p. 770.
- Heating device. W. F. Shaughnessy. No. 1,097,681; May 26; Gaz. vol. 202; p. 983.
- Heating device. J. R. Van Hoesen. No. 1,101,721; June 30; Gaz. vol. 203; p. 1336.
- Heating device. F. M. Vogel. No. 1,120,987; Dec. 15; Gaz. vol. 209; p. 809.
- Heating device, Electric. H. W. Denhard. No. 1,101,527; June 30; Gaz. vol. 203; p. 1271.
- Heating device, Electric. W. S. Hadaway, Jr. No. 1,098,437; June 2; Gaz. vol. 203; p. 28.
- Heating device, Electric. M. H. Shoenberg. No. 1,091,774; Mar. 31; Gaz. vol. 200; p. 1227.
- Heating device, Electric. T. Van Aller. No. 1,101,821; June 30; Gaz. vol. 203; p. 1372.
- Heating device, Electrical. E. Weintraub. No. 1,118,387; Nov. 24; Gaz. vol. 208; p. 1138.
- Heating devices, Expansion member for electric. H. P. Ball. No. 1,093,754; Apr. 21; Gaz. vol. 201; p. 631.
- Heating element. R. E. Humbert. No. 1,098,351; May 26; Gaz. vol. 202; p. 1219.
- Heating-furnace. F. J. Nice. (Reissue.) No. 13,834; Dec. 1; Gaz. vol. 209; p. 303.
- Heating-furnace. J. A. Swindell. No. 1,094,611; Apr. 28; Gaz. vol. 201; p. 979.
- Heating-furnace, Oil or gas fired revolving. W. Melas. No. 1,114,786; Oct. 27; Gaz. vol. 207; p. 967.
- Heating material containing liquid, Apparatus for. T. Franke. No. 1,083,879; Jan. 6; Gaz. vol. 198; p. 201.
- Heating, Process and apparatus for. F. Fischer. No. 1,099,595; June 9; Gaz. vol. 203; p. 464.
- Heating regulation. G. E. Porter. No. 1,122,419; Dec. 29; Gaz. vol. 209; p. 1380.
- Heating system. P. A. Deasy. No. 1,095,559; May 5; Gaz. vol. 202; p. 133.
- Heating system. G. C. Gill. No. 1,118,485; Nov. 24; Gaz. vol. 208; p. 1175.
- Heating system. E. E. Gold. No. 1,087,164; Feb. 17; Gaz. vol. 199; p. 646.
- Heating system. J. H. Kinealy. No. 1,114,270; Oct. 20; Gaz. vol. 207; p. 733.
- Heating system. J. McAlear. No. 1,122,781; Dec. 29; Gaz. vol. 209; p. 1507.
- Heating system. J. J. McDonald. No. 1,116,311; Nov. 3; Gaz. vol. 208; p. 286.
- Heating system. F. H. Montreuil. No. 1,103,215; July 14; Gaz. vol. 204; p. 395.
- Heating system. F. H. Neuberger. No. 1,117,425; Nov. 17; Gaz. vol. 208; p. 762.
- Heating system. P. Robert. No. 1,083,859; Jan. 6; Gaz. vol. 198; p. 195.
- Heating system. C. A. Stjernquist. No. 1,089,598; Mar. 10; Gaz. vol. 200; p. 365.
- Heating system, Auxiliary. J. R. Williams. No. 1,112,583; Oct. 6; Gaz. vol. 207; p. 62.
- Heating system, Electric. W. S. Hadaway, Jr. No. 1,098,436; June 2; Gaz. vol. 203; p. 28.
- Heating system for driers. I. M. Justice. No. 1,105,566; July 28; Gaz. vol. 204; p. 1299.
- Heating system, Hot-water. J. F. Barker. No. 1,089,813; Mar. 10; Gaz. vol. 200; p. 437.
- Heating system, Hot-water. J. W. Gamble. No. 1,114,247; Oct. 20; Gaz. vol. 207; p. 726.
- Heating system, Hot-water. G. H. Gibson. No. 1,116,690; Nov. 10; Gaz. vol. 208; p. 465.
- Heating system, Hot-water. P. J. Newkumet. No. 1,122,989; Dec. 29; Gaz. vol. 209; p. 1582.
- Heating system, Hot-water. A. Schwartz. No. 1,122,648; Dec. 29; Gaz. vol. 209; p. 1461.
- Heating system, Hot-water. A. G. Stapel. No. 1,094,757; Apr. 28; Gaz. vol. 201; p. 1034.
- Heating system, Leaching-solution-. F. Laist. No. 1,115,689; Nov. 3; Gaz. vol. 208; p. 77.
- Heating system, Low-pressure steam-. E. H. Gold. No. 1,109,675; Sept. 8; Gaz. vol. 206; p. 330.
- Heating system, Low-tension steam-. M. P. Osbourn and E. W. Comfort. No. 1,096,941; May 19; Gaz. vol. 202; p. 682.
- Heating system, Multiple-circuit steam-. E. H. Gold. No. 1,092,570; Apr. 7; Gaz. vol. 201; p. 153.
- Heating system, Steam-. Q. N. Evans. No. 1,087,284; Feb. 17; Gaz. vol. 199; p. 689.
- Heating system, Steam-. E. E. Gold. No. 1,106,801; Aug. 11; Gaz. vol. 205; p. 468.
- Heating system, Steam-. C. M. Hanna. No. 1,119,278; Dec. 1; Gaz. vol. 209; p. 130.
- Heating system, Steam-. E. J. McArdle. No. 1,092,845; Apr. 14; Gaz. vol. 201; p. 284.
- Heating system, Steam-. M. P. Miller. No. 1,098,676; June 2; Gaz. vol. 203; p. 109.
- Heating system, Steam-. M. P. Osbourn. No. 1,093,722; Apr. 21; Gaz. vol. 201; p. 622.
- Heating system, Vapor-. E. C. Wiley. No. 1,085,717; Feb. 3; Gaz. vol. 199; p. 48.
- Heating systems, Controller for. F. T. Kitchen. No. 1,121,635; Dec. 22; Gaz. vol. 209; p. 1071.
- Heating systems, Controlling device for water-. J. E. Goodwin. No. 1,095,105; Apr. 28; Gaz. vol. 201; p. 1152.
- Heating systems, Exhauster for. H. W. Michael. No. 1,090,788; Mar. 17; Gaz. vol. 200; p. 814.
- Heating systems, Means for regulating steam-. L. C. Ord. No. 1,108,218; Aug. 25; Gaz. vol. 205; p. 1061.
- Heating systems, Regulator for hot-water. C. W. Young. No. 1,094,382; Apr. 21; Gaz. vol. 201; p. 838.
- Heating systems, Return-fitting for vapor-. T. G. Mouat. No. 1,112,154; Sept. 29; Gaz. vol. 206; p. 1317.
- Heating systems, Triple-regulation cock for low-pressure. I. Tcherniakofsky. No. 1,106,594; Aug. 11; Gaz. vol. 205; p. 398.
- Heating-tool. G. E. Vogt. No. 1,107,188; Aug. 11; Gaz. vol. 205; p. 603.
- Heating unit. C. S. Steward. No. 1,094,264; Apr. 21; Gaz. vol. 201; p. 801.
- Heating unit, Armored electric. C. P. Madsen. No. 1,093,792; Apr. 21; Gaz. vol. 201; p. 643.
- Heating unit, Electric. H. P. Ball. No. 1,096,820; May 19; Gaz. vol. 202; p. 638.
- Heating unit, Electric. H. P. Ball. No. 1,121,966; Dec. 22; Gaz. vol. 209; p. 1188.
- Heating unit, Electric. C. S. Steward. No. 1,087,198; Feb. 17; Gaz. vol. 199; p. 658.
- Heating unit, Electrical. F. Kubn. No. 1,107,320; Aug. 18; Gaz. vol. 205; p. 697.

Alphabetical list of inventions—Continued.

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- Heating water for circulating systems. A. B. Reck. No. 1,101,330; June 23; Gaz. vol. 203; p. 1152.
- Heddle. J. Grob. No. 1,107,296; Aug. 18; Gaz. vol. 205; p. 688.
- Heddle. J. Pickard. No. 1,107,345; Aug. 18; Gaz. vol. 205; p. 707.
- Heddle. E. A. Schurig. No. 1,109,806; Sept. 1; Gaz. vol. 206; p. 159.
- Heddle-frame. J. Kaufmann. No. 1,090,859; Mar. 24; Gaz. vol. 200; p. 870.
- Heddle-frame. J. Kaufmann. No. 1,091,141; Mar. 24; Gaz. vol. 200; p. 969.
- Heddle or the like, Detached. E. F. Hathaway and C. D. Lanning. No. 1,120,195; Dec. 8; Gaz. vol. 209; p. 483.
- Heddle selecting and separating device. O. von Meyenburg. No. 1,101,807; June 30; Gaz. vol. 203; p. 1368.
- Hedge-trimmer. E. L. Fox. No. 1,098,032; May 26; Gaz. vol. 202; p. 1109.
- Hedge-trimmer. J. P. Meyer. No. 1,089,719; Mar. 10; Gaz. vol. 200; p. 406.
- Hedge-trimmer. R. C. Murran. No. 1,115,328; Oct. 27; Gaz. vol. 207; p. 1157.
- Heel. J. Dyché. No. 1,101,066; June 23; Gaz. vol. 203; p. 1062.
- Heel. T. Johns. No. 1,119,513; Dec. 1; Gaz. vol. 209; p. 212.
- Heel. J. A. Murphy. No. 1,122,215; Dec. 22; Gaz. vol. 209; p. 1272.
- Heel. W. H. Vaughan. No. 1,088,115; Feb. 24; Gaz. vol. 199; p. 1025.
- Heel. W. H. Vaughan. No. 1,122,445; Dec. 29; Gaz. vol. 209; p. 1389.
- Heel and means for attaching same, Cushion-. J. H. Miller. No. 1,092,378; Apr. 7; Gaz. vol. 201; p. 87.
- Heel-attaching machine. W. R. Barclay and J. Gouldbourn. No. 1,091,473; Mar. 31; Gaz. vol. 200; p. 1122.
- Heel-attaching machine. J. M. Barton. No. 1,120,667; Dec. 15; Gaz. vol. 209; p. 698.
- Heel-attaching machine. A. Bates. No. 1,122,058; Dec. 22; Gaz. vol. 209; p. 1221.
- Heel-attaching machine. E. Erickson. No. 1,114,241; Oct. 20; Gaz. vol. 207; p. 723.
- Heel-attaching machine. J. H. Pope. No. 1,104,826; July 28; Gaz. vol. 204; p. 1040.
- Heel attachment, Resilient. C. S. Bushell. No. 1,122,681; Dec. 29; Gaz. vol. 209; p. 1474.
- Heel-band. M. Brock. No. 1,108,101; Aug. 18; Gaz. vol. 205; p. 973.
- Heel-blank. F. E. Richardson and C. H. Littlefield. No. 1,113,486; Oct. 13; Gaz. vol. 207; p. 420.
- Heel-blanks, Machine for stacking. J. H. Pope. No. 1,088,720; Mar. 3; Gaz. vol. 200; p. 17.
- Heel-blanks, Machine for stacking. J. H. Pope. No. 1,088,721; Mar. 3; Gaz. vol. 200; p. 17.
- Heel blocks, Making wedge-. E. E. Winkley. No. 1,121,703; Dec. 22; Gaz. vol. 209; p. 1095.
- Heel-breasting machine. A. Bates. No. 1,117,627; Nov. 17; Gaz. vol. 208; p. 832.
- Heel-breasting machine. E. Erickson. No. 1,084,259; Jan. 13; Gaz. vol. 198; p. 363.
- Heel-breasting machine. T. G. Plant. No. 1,107,838; Aug. 18; Gaz. vol. 205; p. 882.
- Heel-breasting machine. H. A. Soulis. No. 1,109,709; Sept. 8; Gaz. vol. 206; p. 343.
- Heel-building machine. A. Geiger. No. 1,085,201; Jan. 27; Gaz. vol. 198; p. 744.
- Heel-building machine. L. H. Shaw. No. 1,119,888; Dec. 8; Gaz. vol. 209; p. 375.
- Heel-building machine. W. Wolfe. No. 1,122,346; Dec. 29; Gaz. vol. 209; p. 1356.
- Heel-building machines, Nailing mechanism for. W. Wolfe. No. 1,115,998; Nov. 3; Gaz. vol. 208; p. 182.
- Heel-burnishing mechanism. A. M. English. No. 1,109,213; Sept. 1; Gaz. vol. 206; p. 127.
- Heel burnishing or finishing wheel. C. A. Matson. No. 1,091,364; Mar. 24; Gaz. vol. 200; p. 1042.
- Heel-burnishing wheel, Shoe-. C. J. J. Straessle. No. 1,120,559; Dec. 8; Gaz. vol. 209; p. 612.
- Heel, Compound cushion-. J. J. Stritzel. No. 1,106,985; Aug. 11; Gaz. vol. 205; p. 532.
- Heel-compressing machine. E. Erickson. No. 1,104,177; July 21; Gaz. vol. 204; p. 767.
- Heel-compressor. A. Geiger. No. 1,094,433; Apr. 28; Gaz. vol. 201; p. 917.
- Heel construction, Spring-. S. Horváth. No. 1,108,369; Aug. 25; Gaz. vol. 205; p. 1114.
- Heel-cushion. B. Cain. No. 1,107,894; Aug. 18; Gaz. vol. 205; p. 899.
- Heel, Cushion-. E. Jones. No. 1,113,645; Oct. 13; Gaz. vol. 207; p. 472.
- Heel, Cushion-. A. E. Lewis. No. 1,099,609; June 9; Gaz. vol. 203; p. 468.
- Heel, Cushion-. S. D. Smith. No. 1,114,302; Oct. 20; Gaz. vol. 207; p. 745.
- Heel, Cushioned. T. J. Irwin. No. 1,109,757; Sept. 8; Gaz. vol. 206; p. 359.
- Heel, Cushioned. F. Stoller. No. 1,112,942; Oct. 6; Gaz. vol. 207; p. 184.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,109,136; Sept. 1; Gaz. vol. 206; p. 98.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,109,137; Sept. 1; Gaz. vol. 206; p. 98.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,109,138; Sept. 1; Gaz. vol. 206; p. 99.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,109,139; Sept. 1; Gaz. vol. 206; p. 99.
- Heel, Detachable. C. Halvers. No. 1,122,107; Dec. 22; Gaz. vol. 209; p. 1236.
- Heel, Detachable and interchangeable. H. W. Crane. No. 1,115,054; Oct. 27; Gaz. vol. 207; p. 1062.
- Heel, Detachable shoe-. F. A. Isaacson. No. 1,110,264; Sept. 8; Gaz. vol. 206; p. 540.
- Heel device, Renewable rubber-. W. M. Sanford. No. 1,113,695; Oct. 13; Gaz. vol. 207; p. 490.
- Heel-die. J. E. Glidden. No. 1,086,158; Feb. 3; Gaz. vol. 199; p. 206.
- Heel extension and protecting device. C. H. Brown. No. 1,090,098; Mar. 10; Gaz. vol. 200; p. 536.
- Heel-fastener. F. A. Nolan. (Reissue.) No. 13,728; May 12; Gaz. vol. 202; p. 599.
- Heel-fastener. E. J. Wesp. No. 1,119,556; Dec. 1; Gaz. vol. 209; p. 227.
- Heel-finishing machine. A. Bates. No. 1,122,057; Dec. 22; Gaz. vol. 209; p. 1221.
- Heel for boots and shoes, Elastic. J. H. Rubin. No. 1,096,515; May 12; Gaz. vol. 202; p. 493.
- Heel for boots and shoes, Pneumatic. G. T. T. Freeman. No. 1,114,685; Oct. 20; Gaz. vol. 207; p. 877.
- Heel for boots and shoes, Resilient. W. J. Merry. No. 1,098,162; May 26; Gaz. vol. 202; p. 1153.
- Heel for boots and shoes, Spring-. C. Budai and J. Szénási. No. 1,110,375; Sept. 15; Gaz. vol. 206; p. 619.
- Heel for boots or shoes, Cushion-. O. W. Tule. No. 1,091,174; Mar. 24; Gaz. vol. 200; p. 981.
- Heel for boots or shoes, Metallic. J. J. Mulconroy and E. S. Morris. No. 1,103,610; July 14; Gaz. vol. 204; p. 530.
- Heel for foot-gear. S. Szekfu. No. 1,099,727; June 9; Gaz. vol. 203; p. 509.
- Heel for foot-gear. S. Szekfu. No. 1,106,989; Aug. 11; Gaz. vol. 205; p. 533.
- Heel for foot-gear. S. Szekfu. No. 1,106,990; Aug. 11; Gaz. vol. 205; p. 533.
- Heel for foot-gear, Cushioned. J. Preizer. No. 1,112,932; Oct. 6; Gaz. vol. 207; p. 181.
- Heel for footwear. R. S. Graham. No. 1,084,268; Jan. 13; Gaz. vol. 198; p. 366.
- Heel for shoes, Spring-. J. Forray. No. 1,098,241; May 26; Gaz. vol. 202; p. 1180.
- Heel for shoes, Spring-. J. Jasus, A. Pastor, and G. Blasko. No. 1,098,804; June 2; Gaz. vol. 203; p. 151.
- Heel for shoes, Spring-. F. Karácsonyi. No. 1,099,180; June 9; Gaz. vol. 203; p. 320.
- Heel-forming block. E. E. Winkley. No. 1,121,704; Dec. 22; Gaz. vol. 209; p. 1096.
- Heel-guard. E. H. Eliason and G. H. Ziegler. No. 1,122,884; Dec. 29; Gaz. vol. 209; p. 1545.
- Heel-lining inserts for boots and shoes, Machine for forming. E. H. Eliason and G. H. Ziegler. No. 1,118,541; Nov. 24; Gaz. vol. 208; p. 1194.
- Heel-loading machine. E. Erickson. No. 1,114,243; Oct. 20; Gaz. vol. 207; p. 724.
- Heel-making machine. C. E. Allard. No. 1,110,175; Sept. 8; Gaz. vol. 206; p. 510.
- Heel-nailing machine. H. Hall. No. 1,119,822; Dec. 8; Gaz. vol. 209; p. 352.
- Heel-nailing machine. G. M. Fettengill. No. 1,119,763; Dec. 1; Gaz. vol. 209; p. 295.
- Heel-nailing-machine jack. J. H. Pope. No. 1,090,228; Mar. 17; Gaz. vol. 200; p. 623.
- Heel-plate. W. Hepfinger. No. 1,095,325; May 5; Gaz. vol. 202; p. 52.
- Heel-plate. J. F. Waidelich. No. 1,108,413; Aug. 25; Gaz. vol. 205; p. 1128.
- Heel-plate blank. E. Hunold. No. 1,104,192; July 21; Gaz. vol. 204; p. 771.
- Heel-protector. J. S. Ramlose. No. 1,112,382; Sept. 29; Gaz. vol. 206; p. 1397.
- Heel-reducing device, Shoe-. C. E. and E. C. Leach. No. 1,114,154; Oct. 20; Gaz. vol. 207; p. 691.
- Heel, Resilient. V. May. No. 1,112,635; Oct. 6; Gaz. vol. 207; p. 80.
- Heel, Resilient. J. G. Tufford. No. 1,110,730; Sept. 15; Gaz. vol. 206; p. 746.
- Heel-retainer for shoes. J. Koppe. No. 1,086,673; Feb. 10; Gaz. vol. 199; p. 427.
- Heel, Rubber. E. S. Abbott. No. 1,112,749; Oct. 6; Gaz. vol. 207; p. 120.
- Heel, Rubber. J. Trischan. No. 1,106,753; Aug. 11; Gaz. vol. 205; p. 452.
- Heel, Safe-deposit shoe-. H. W. Halley. No. 1,085,254; Jan. 27; Gaz. vol. 198; p. 763.
- Heel-seat-jointing machine. L. G. Freeman. (Reissue.) No. 13,799; Sept. 15; Gaz. vol. 206; p. 838.
- Heel-seats for boots and shoes, Forming. S. J. Wentworth. No. 1,090,182; Mar. 17; Gaz. vol. 200; p. 607.
- Heel, Shoe-. E. Cuvelier. No. 1,108,975; Sept. 1; Gaz. vol. 206; p. 41.

Alphabetical list of inventions—Continued.

- Heel, Shoe-. G. F. Matzner. No. 1,088,354; Feb. 24; Gaz. vol. 199; p. 1105.
- Heel, Shoe-. F. A. Nolan. No. 1,096,008; May 5; Gaz. vol. 202; p. 283.
- Heel, Shoe-. F. A. Nolan. (Reissue.) No. 13,840; Dec. 1; Gaz. vol. 209; p. 309.
- Heel, Shoe-. D. M. Severa. No. 1,110,966; Sept. 15; Gaz. vol. 206; p. 828.
- Heel, Shoe-. W. M. White. No. 1,121,436; Dec. 15; Gaz. vol. 209; p. 967.
- Heel, Spring-. E. Jenol and S. Kruchio. No. 1,094,211; Apr. 21; Gaz. vol. 201; p. 785.
- Heel, Spring-. W. Kovács. No. 1,102,343; July 7; Gaz. vol. 204; p. 43.
- Heel-trimmer. R. L. Greenleaf. No. 1,093,846; Apr. 21; Gaz. vol. 201; p. 663.
- Heel-trimming machine. B. F. Mayo. No. 1,104,915; July 28; Gaz. vol. 204; p. 1071.
- Heel-trimming machines, Counter-guard for. W. J. Noon. No. 1,094,587; Apr. 28; Gaz. vol. 201; p. 971.
- Heels and soles for boots and shoes, Protector for. F. W. Whitcher and C. F. Randall. No. 1,098,142; May 26; Gaz. vol. 202; p. 1146.
- Heels and soles of boots and shoes, Machine for burnishing the edges of the. Z. Beaudry. No. 1,092,469; Apr. 7; Gaz. vol. 201; p. 120.
- Heels, Machine for operating on shoe-. E. E. Winkley. No. 1,102,310; July 7; Gaz. vol. 204; p. 31.
- Heels, Machine for operating on shoe-. E. E. Winkley. No. 1,102,311; July 7; Gaz. vol. 204; p. 31.
- Heels, Machine for operating upon. J. H. Pope. No. 1,086,214; Feb. 3; Gaz. vol. 199; p. 223.
- Heels, Machine for wax-treating the edges of. C. A. Matson. No. 1,095,652; May 5; Gaz. vol. 202; p. 163.
- Heels, Making. E. E. Winkley and J. C. Smith. No. 1,121,702; Dec. 22; Gaz. vol. 209; p. 1095.
- Heels of boots and shoes, Machine for burnishing and finishing the. C. A. Matson. No. 1,084,747; Jan. 20; Gaz. vol. 198; p. 554.
- Heels of boots or shoes, Wheel for finishing. C. A. Matson. No. 1,084,746; Jan. 20; Gaz. vol. 198; p. 554.
- Heels or the like, Clamping device for. J. H. Weiter. No. 1,088,753; Mar. 3; Gaz. vol. 200; p. 78.
- Heels, Pneumatic plug for. B. Rosenberg. No. 1,109,180; Sept. 1; Gaz. vol. 206; p. 115.
- Heeling-machine. J. E. Glidden. No. 1,117,998; Nov. 24; Gaz. vol. 208; p. 1003.
- Heeling-machine. T. G. Plant. (Reissue.) No. 13,835; Dec. 1; Gaz. vol. 209; p. 304.
- Heeling-machine attachment. C. P. Stanbon. No. 1,098,693; June 2; Gaz. vol. 203; p. 116.
- Height-indicating machine, Coin-controlled. C. A. Stevens. No. 1,095,040; Apr. 28; Gaz. vol. 201; p. 1130.
- Helically-corrugated tube. L. H. Brinkman. No. 1,120,268; Dec. 8; Gaz. vol. 209; p. 509.
- Helmet, Ventilated. G. B. Sparks. No. 1,113,062; Oct. 6; Gaz. vol. 207; p. 224.
- Hemoglobinometer. E. Köbner and P. Fritzscheing. No. 1,083,934; Jan. 13; Gaz. vol. 198; p. 251.
- Hemorrhoids, Apparatus for the treatment of. A. W. Feltmann. No. 1,101,017; June 23; Gaz. vol. 203; p. 1045.
- Hemostatic tonsillotome. B. D. La Force. No. 1,097,132; May 19; Gaz. vol. 202; p. 749.
- Hemstitch-machines, Punch attachment for. W. R. McCauley. No. 1,109,857; Sept. 8; Gaz. vol. 206; p. 394.
- Hen-marker, Automatic. F. H. Preble and K. D. Grant. No. 1,098,971; June 2; Gaz. vol. 203; p. 208.
- Hennery. H. Barnett. No. 1,089,303; Mar. 3; Gaz. vol. 200; p. 214.
- Herbs and medicating steam, Apparatus for extracting. S. Geiger. No. 1,096,620; May 12; Gaz. vol. 202; p. 527.
- Heterophoria, Instrument for detecting. C. H. Pixley. No. 1,091,701; Mar. 31; Gaz. vol. 200; p. 1201.
- Hickey. C. D. Platt. No. 1,093,007; Apr. 14; Gaz. vol. 201; p. 337.
- Hide and leather working machine. H. Alefs. No. 1,107,640; Aug. 18; Gaz. vol. 205; p. 812.
- Hide and treating the same. C. E. Schmidt. No. 1,118,813; Nov. 24; Gaz. vol. 208; p. 1286.
- Hide-stretcher. C. Garver. No. 1,084,004; Jan. 13; Gaz. vol. 198; p. 276.
- Hide-stretcher. B. F. Horsting. No. 1,088,279; Feb. 24; Gaz. vol. 199; p. 1081.
- Hides and skins, Treatment of. G. B. M. Spigno. No. 1,090,799; Mar. 17; Gaz. vol. 200; p. 818.
- Hides before tanning, Treating. C. C. Moore and W. Trantom. No. 1,091,236; Mar. 24; Gaz. vol. 200; p. 1003.
- Hides or skins from carcasses of cattle, sheep, or other animals, Instrument for removing. H. M. Ashton. No. 1,110,859; Sept. 15; Gaz. vol. 206; p. 791.
- Hides, skins, and the like, Apparatus for stretching. R. Noblett. No. 1,105,824; Aug. 4; Gaz. vol. 205; p. 83.
- Hides, skins, and the like, Machine for dressing. J. Ormerod. No. 1,117,227; Nov. 17; Gaz. vol. 208; p. 692.
- Hides, Storing. W. H. Allen. No. 1,098,005; May 26; Gaz. vol. 202; p. 1100.
- High chair. R. E. Patrick. No. 1,107,994; Aug. 18; Gaz. vol. 205; p. 935.
- High chair. H. Taylor. No. 1,089,288; Mar. 3; Gaz. vol. 200; p. 210.
- High-frequency generator. R. Goldschmidt. No. 1,104,257; July 21; Gaz. vol. 204; p. 793.
- High-tension device. T. J. Murphy. No. 1,097,872; May 26; Gaz. vol. 202; p. 1051.
- High-tension switch. R. J. M. Danley and H. S. Bolton. No. 1,102,728; July 7; Gaz. vol. 204; p. 176.
- High-voltage switch. A. W. Burke. No. 1,099,421; June 9; Gaz. vol. 203; p. 405.
- Highway construction, Sectional. H. P. Beecher. No. 1,092,558; Apr. 7; Gaz. vol. 201; p. 150.
- Hinge. W. N. Blanchard. No. 1,087,709; Feb. 17; Gaz. vol. 199; p. 839.
- Hinge. R. C. Brandlein. No. 1,120,898; Dec. 15; Gaz. vol. 209; p. 780.
- Hinge. H. Burchess. No. 1,092,136; Apr. 7; Gaz. vol. 201; p. 4.
- Hinge. H. Burchess. No. 1,112,888; Oct. 6; Gaz. vol. 207; p. 167.
- Hinge. J. D. Daniel. No. 1,098,885; June 2; Gaz. vol. 203; p. 179.
- Hinge. J. H. Donohue. No. 1,094,136; Apr. 21; Gaz. vol. 201; p. 758.
- Hinge. J. Gorman. No. 1,114,746; Oct. 27; Gaz. vol. 207; p. 952.
- Hinge. R. Hazelrigg and W. J. Meeker. No. 1,111,832; Sept. 29; Gaz. vol. 206; p. 1208.
- Hinge. A. Hovoecka. No. 1,089,707; Mar. 10; Gaz. vol. 200; p. 402.
- Hinge. G. M. Johnson. No. 1,105,666; Aug. 4; Gaz. vol. 205; p. 28.
- Hinge. R. D. King. No. 1,085,087; Jan. 20; Gaz. vol. 198; p. 668.
- Hinge. H. V. A. Loring. No. 1,085,620; Feb. 3; Gaz. vol. 199; p. 14.
- Hinge. C. H. Martin. No. 1,109,003; Sept. 1; Gaz. vol. 206; p. 52.
- Hinge. J. P. McKinney. No. 1,097,458; May 19; Gaz. vol. 202; p. 862.
- Hinge. F. F. Miller. No. 1,091,584; Mar. 31; Gaz. vol. 200; p. 1160.
- Hinge. T. Mitchell. No. 1,091,233; Mar. 24; Gaz. vol. 200; p. 1002.
- Hinge. F. Parizek. No. 1,115,450; Oct. 27; Gaz. vol. 207; p. 1198.
- Hinge. G. Pulverino. No. 1,084,480; Jan. 13; Gaz. vol. 198; p. 432.
- Hinge. R. H. Roney. No. 1,087,510; Feb. 17; Gaz. vol. 199; p. 768.
- Hinge. E. A. Sanders. No. 1,120,163; Dec. 8; Gaz. vol. 209; p. 471.
- Hinge. L. S. Sherwood. No. 1,105,852; Aug. 4; Gaz. vol. 205; p. 93.
- Hinge. S. Soss. No. 1,096,466; May 12; Gaz. vol. 202; p. 476.
- Hinge. J. D. Stoakes. No. 1,100,684; June 16; Gaz. vol. 203; p. 872.
- Hinge. W. A. Webster. No. 1,102,372; July 7; Gaz. vol. 204; p. 52.
- Hinge. J. R. Welch. No. 1,091,609; Mar. 31; Gaz. vol. 200; p. 1169.
- Hinge. R. G. Winter. No. 1,108,298; Aug. 25; Gaz. vol. 205; p. 1090.
- Hinge. J. S. Wrikeman. No. 1,092,236; Apr. 7; Gaz. vol. 201; p. 38.
- Hinge. E. Zuckerman. No. 1,108,308; Aug. 25; Gaz. vol. 205; p. 1094.
- Hinge and holder, Awning-blind. J. Lockhart. No. 1,112,630; Oct. 6; Gaz. vol. 207; p. 79.
- Hinge, Automobile-. J. Williams. No. 1,096,657; May 12; Gaz. vol. 202; p. 540.
- Hinge, Blind-. J. H. Knowles. No. 1,096,727; May 12; Gaz. vol. 202; p. 563.
- Hinge, Butt-. W. R. Ballou. No. 1,106,181; Aug. 4; Gaz. vol. 205; p. 208.
- Hinge-butt. J. Soss. No. 1,109,876; Sept. 8; Gaz. vol. 206; p. 401.
- Hinge, Concealed. C. B. Parsons. No. 1,094,010; Apr. 21; Gaz. vol. 201; p. 717.
- Hinge, Concealed. C. B. Parsons. No. 1,114,026; Oct. 20; Gaz. vol. 207; p. 645.
- Hinge connection. F. M. Tibbott and E. Lemander. No. 1,111,774; Sept. 29; Gaz. vol. 206; p. 1186.
- Hinge, Door-. J. Lang. No. 1,116,714; Nov. 10; Gaz. vol. 208; p. 473.
- Hinge, Door-. J. S. Southard. No. 1,116,148; Nov. 3; Gaz. vol. 208; p. 234.
- Hinge, Double-acting door-closer. W. K. Henry. No. 1,086,325; Feb. 3; Gaz. vol. 199; p. 258.
- Hinge for bag-frames, Stay-. H. Tueckmantel. No. 1,102,307; July 7; Gaz. vol. 204; p. 30.
- Hinge for coach-doors, Concealed. C. C. Kusterer. No. 1,083,622; Jan. 6; Gaz. vol. 198; p. 120.
- Hinge for doors, gates, &c. G. E. Scholes. No. 1,095,989; May 5; Gaz. vol. 202; p. 277.
- Hinge for engine-hoods, Sliding. R. D. Butler. No. 1,100,216; June 16; Gaz. vol. 203; p. 715.
- Hinge for horizontally-disappearing doors. M. Taussig. No. 1,105,221; July 28; Gaz. vol. 204; p. 1176.

Alphabetical list of inventions—Continued.

- Hinge for metallic window-ventilators. Adjustable. D. C. Briggs. No. 1,101,249; June 23; Gaz. vol. 203; p. 1124.
- Hinge for tilting sash. J. Webb. No. 1,108,857; Aug. 25; Gaz. vol. 205; p. 1282.
- Hinge, Gage. H. J. Neighbors. No. 1,098,634; June 2; Gaz. vol. 203; p. 96.
- Hinge, Gate. J. C. Schee and M. A. Lyons. No. 1,098,591; June 2; Gaz. vol. 203; p. 82.
- Hinge, Gate. R. T. Van Valkenburg. No. 1,084,832; Jan. 20; Gaz. vol. 198; p. 583.
- Hinge, Interlocking. F. C. Zobel. No. 1,113,278; Oct. 13; Gaz. vol. 207; p. 345.
- Hinge, Jewelry-case spring. L. E. Brown. No. 1,120,370; Dec. 8; Gaz. vol. 209; p. 545.
- Hinge-leaf, Flexible. J. Barker. No. 1,103,911; July 14; Gaz. vol. 204; p. 634.
- Hinge, Locking. W. Madsen. No. 1,092,926; Apr. 14; Gaz. vol. 201; p. 311.
- Hinge marker, Door. R. B. Nedergaard. No. 1,118,570; Nov. 24; Gaz. vol. 208; p. 1204.
- Hinge members on blanks, Machine for forming. H. F. Richter. No. 1,096,863; May 19; Gaz. vol. 202; p. 654.
- Hinge, Screen-door. F. Armstrong. No. 1,095,065; Apr. 23; Gaz. vol. 201; p. 1139.
- Hinge, Seat. C. O. Olson. No. 1,107,440; Aug. 18; Gaz. vol. 205; p. 742.
- Hinge, Self-locking. G. W. Fernald. No. 1,087,576; Feb. 17; Gaz. vol. 199; p. 791.
- Hinge, Sheet-metal. F. B. Worden. No. 1,113,176; Oct. 6; Gaz. vol. 207; p. 265.
- Hinge, Spring. G. S. Bronson. No. 1,095,701; May 5; Gaz. vol. 202; p. 180.
- Hinge, Spring. W. J. Keene. No. 1,107,076; Aug. 11; Gaz. vol. 205; p. 562.
- Hinge, Spring. W. J. Keene. No. 1,111,157; Sept. 22; Gaz. vol. 206; p. 936.
- Hinge, Spring. W. J. Keene. No. 1,111,158; Sept. 22; Gaz. vol. 206; p. 937.
- Hinge, Spring. C. E. Santo. No. 1,107,708; Aug. 18; Gaz. vol. 205; p. 836.
- Hinge, Spring. P. M. Smith. No. 1,122,322; Dec. 29; Gaz. vol. 209; p. 1349.
- Hinge, Spring. F. M. Swartz. No. 1,102,556; July 7; Gaz. vol. 204; p. 117.
- Hinge, Stay. H. E. Gassaway. No. 1,093,843; Apr. 21; Gaz. vol. 201; p. 662.
- Hinge, Vehicle top-bow. C. L. Bair. No. 1,089,454; Mar. 10; Gaz. vol. 200; p. 314.
- Hinge, Vertically-adjustable. J. H. Moore. No. 1,103,607; July 14; Gaz. vol. 204; p. 529.
- Hinge, Wind-shield. C. I. Wright. No. 1,100,338; June 16; Gaz. vol. 203; p. 756.
- Hinge-wiring machine. A. W. George. No. 1,117,030; Nov. 10; Gaz. vol. 208; p. 583.
- Hinges and the like, Safety-sleeve for. J. P. Crown. No. 1,105,186; July 28; Gaz. vol. 204; p. 1164.
- Hinges, Pintle for. H. G. Voight. No. 1,097,741; May 26; Gaz. vol. 202; p. 1005.
- Hitch, Cord or rope. G. H. Aupperle and J. C. Waldo. No. 1,119,773; Dec. 1; Gaz. vol. 209; p. 299.
- Hitch, Four-horse balance. W. H. Joseph. No. 1,087,663; Feb. 17; Gaz. vol. 199; p. 824.
- Hitching device. W. M. Pond. No. 1,094,014; Apr. 21; Gaz. vol. 201; p. 718.
- Hitching device, Horse. W. R. Sullivan. No. 1,120,422; Dec. 8; Gaz. vol. 209; p. 563.
- Hitching-post. J. A. Bartosz. No. 1,087,567; Feb. 17; Gaz. vol. 199; p. 788.
- Hitching-post. P. T. Dunn. No. 1,120,041; Dec. 8; Gaz. vol. 209; p. 429.
- Hitching-post. J. R. Weston. No. 1,093,089; Apr. 14; Gaz. vol. 201; p. 366.
- Hitching-strap attachment. W. W. Shepherd. No. 1,092,299; Apr. 7; Gaz. vol. 201; p. 62.
- Hives, Section-holder for. C. Bachmann. No. 1,103,467; July 14; Gaz. vol. 204; p. 478.
- Hobby-horse. A. W. Swender. No. 1,088,185; Feb. 24; Gaz. vol. 199; p. 1049.
- Hobby-horse, Traveling. J. W. Greene. No. 1,122,238; Dec. 22; Gaz. vol. 209; p. 1281.
- Hod-stand. E. Carroll. No. 1,101,402; June 23; Gaz. vol. 203; p. 1176.
- Hoe. B. O. Dahl. No. 1,105,760; Aug. 4; Gaz. vol. 205; p. 61.
- Hoe. B. O. Dahl. No. 1,122,484; Dec. 29; Gaz. vol. 209; p. 1403.
- Hoe. J. W. Timmons. No. 1,108,527; Aug. 25; Gaz. vol. 205; p. 1168.
- Hoe. J. M. Wardlow. No. 1,095,756; May 5; Gaz. vol. 202; p. 199.
- Hoe and rake, Adjustable combined garden. H. Braasch. No. 1,100,115; June 16; Gaz. vol. 203; p. 679.
- Hoe, Automatic. A. Thompson. No. 1,089,351; Mar. 3; Gaz. vol. 200; p. 230.
- Hoe, Combination. E. R. Godward. No. 1,091,058; Mar. 24; Gaz. vol. 200; p. 940.
- Hoe, Compound. J. Waroczky. No. 1,110,089; Sept. 8; Gaz. vol. 206; p. 478.
- Hoe-handle seed-dropping attachment. F. A. Meadows. No. 1,085,218; Jan. 27; Gaz. vol. 198; p. 750.
- Hoe or cutter, Rotatable. P. B. Wohlrab. No. 1,114,839; Oct. 27; Gaz. vol. 207; p. 985.
- Hoeing-machine. J. F. Ashley. No. 1,119,215; Dec. 1; Gaz. vol. 209; p. 110.
- Hog-greaser, Automatic. F. Hullinger. No. 1,117,851; Nov. 17; Gaz. vol. 208; p. 912.
- Hog-scalding. E. J. Burris. No. 1,094,525; Apr. 28; Gaz. vol. 201; p. 949.
- Hog-scalding tank. G. J. Fingerson. No. 1,105,128; July 28; Gaz. vol. 204; p. 1144.
- Hog-scraper. G. H. Stallman. No. 1,101,154; June 23; Gaz. vol. 203; p. 1091.
- Hog-scraper. G. H. Stallman. No. 1,101,155; June 23; Gaz. vol. 203; p. 1092.
- Hog-trap. N. B. Galloway. No. 1,118,996; Nov. 24; Gaz. vol. 208; p. 1002.
- Hog-trough. G. J. Bohlander. No. 1,116,376; Nov. 10; Gaz. vol. 208; p. 351.
- Hogshead, Collapsible. J. H. Gorman. No. 1,112,001; Sept. 29; Gaz. vol. 206; p. 1264.
- Hoist. A. C. Van De Velde. No. 1,119,901; Dec. 8; Gaz. vol. 209; p. 380.
- Hoist-block. J. C. Regan. No. 1,092,860; Apr. 14; Gaz. vol. 201; p. 288.
- Hoist, Bucket. A. Smith. No. 1,092,670; Apr. 7; Gaz. vol. 201; p. 188.
- Hoist, Chain-block. F. A. Howard. No. 1,122,503; Dec. 29; Gaz. vol. 209; p. 1409.
- Hoist, Electric. G. K. Mitchell. No. 1,117,538; Nov. 17; Gaz. vol. 208; p. 818.
- Hoist, Electric. H. B. Shreve. No. 1,083,412; Jan. 6; Gaz. vol. 198; p. 52.
- Hoist, Power. A. C. Van De Velde. No. 1,086,958; Feb. 10; Gaz. vol. 199; p. 526.
- Hoists and the like, Load-holding device for. A. Clemens. No. 1,103,038; July 14; Gaz. vol. 204; p. 331.
- Hoists, Rope-clutch for. R. Davis. No. 1,105,624; Aug. 4; Gaz. vol. 205; p. 13.
- Hoister and carrier, Combination. N. P. Lund. No. 1,094,228; Apr. 21; Gaz. vol. 201; p. 789.
- Hoisting and conveying mechanism. R. Elder and W. T. Krausch. No. 1,122,708; Dec. 29; Gaz. vol. 209; p. 1483.
- Hoisting and dumping apparatus. A. Allen. No. 1,092,889; Apr. 14; Gaz. vol. 201; p. 297.
- Hoisting apparatus. W. F. Geoghegan. No. 1,101,843; June 30; Gaz. vol. 203; p. 1379.
- Hoisting apparatus. J. A. Kearney. No. 1,097,233; May 19; Gaz. vol. 202; p. 785.
- Hoisting apparatus. J. A. Kearney. No. 1,101,190; June 23; Gaz. vol. 203; p. 1104.
- Hoisting apparatus. H. Wallis. No. 1,101,595; June 30; Gaz. vol. 203; p. 1295.
- Hoisting apparatus, Balancing means for. L. Balliet. No. 1,107,191; Aug. 11; Gaz. vol. 205; p. 604.
- Hoisting-apparatus clutch. E. B. Petrie. No. 1,120,741; Dec. 15; Gaz. vol. 209; p. 724.
- Hoisting apparatus for certain farm implements. H. J. and A. J. Schepp. No. 1,108,797; Aug. 25; Gaz. vol. 205; p. 1259.
- Hoisting apparatus for operating grab-buckets. A. Smith. No. 1,092,669; Apr. 7; Gaz. vol. 201; p. 188.
- Hoisting-block. S. Lowenstein. No. 1,104,521; July 21; Gaz. vol. 204; p. 887.
- Hoisting-conveyance. C. Schiebler. No. 1,102,550; July 7; Gaz. vol. 204; p. 115.
- Hoisting device. J. R. Davidson. No. 1,117,800; Nov. 17; Gaz. vol. 208; p. 895.
- Hoisting device. C. A. Sigafos. No. 1,118,241; Nov. 24; Gaz. vol. 208; p. 1085.
- Hoisting device. A. E. Spooner. No. 1,111,869; Sept. 29; Gaz. vol. 206; p. 1222.
- Hoisting-jack. J. H. Tann. No. 1,121,417; Dec. 15; Gaz. vol. 209; p. 959.
- Hoisting-machine. W. H. Box. No. 1,097,078; May 19; Gaz. vol. 202; p. 731.
- Hoisting-machine. W. A. Box. No. 1,113,951; Oct. 20; Gaz. vol. 207; p. 620.
- Hoisting-machine. G. M. Elchinger. No. 1,094,645; Apr. 28; Gaz. vol. 201; p. 992.
- Hoisting-machine. A. J. Vetvick. No. 1,091,605; Mar. 31; Gaz. vol. 200; p. 1168.
- Hoisting-machine. E. Whitney. No. 1,114,832; Oct. 27; Gaz. vol. 207; p. 983.
- Hoisting mechanism. A. C. Burlingame. No. 1,113,408; Oct. 13; Gaz. vol. 207; p. 391.
- Hoisting mechanism. G. Laughrin. No. 1,093,707; Apr. 21; Gaz. vol. 201; p. 617.
- Hoisting mechanism. T. H. Malm. No. 1,101,649; June 30; Gaz. vol. 203; p. 1313.
- Hoisting mechanism. E. Y. Moore. No. 1,103,889; July 14; Gaz. vol. 204; p. 627.
- Hoisting mechanism. E. Y. Moore. No. 1,112,153; Sept. 29; Gaz. vol. 206; p. 1316.
- Hoisting mechanism, Ammunition. J. F. Meigs and R. P. Stout. No. 1,084,947; Jan. 20; Gaz. vol. 198; p. 621.
- Hoisting mechanism, Lever-controlled device for. J. B. Phillips. No. 1,091,160; Mar. 24; Gaz. vol. 200; p. 976.
- Hoisting or lifting apparatus. K. Poulsen. No. 1,094,929; Apr. 28; Gaz. vol. 201; p. 1092.

Alphabetical list of inventions—Continued.

- Hoisting-tower. F. Donaldson. No. 1,093,257; Apr. 14; Gaz. vol. 201; p. 424.
- Holdback. G. R. Warner. No. 1,111,111; Sept. 22; Gaz. vol. 206; p. 920.
- Holdback-iron. F. E. Lovejoy. No. 1,100,590; June 16; Gaz. vol. 203; p. 841.
- Holdback-iron. Safety. F. W. Chickering. No. 1,107,898; Aug. 18; Gaz. vol. 205; p. 900.
- Holddown. L. M. Brown. No. 1,085,400; Jan. 27; Gaz. vol. 198; p. 814.
- Holder. *See* Disk-holder.
- Holder. O. M. Boorman. No. 1,108,687; Aug. 25; Gaz. vol. 205; p. 1223.
- Holder. E. A. Gross. No. 1,106,204; Aug. 4; Gaz. vol. 205; p. 216.
- Holder. A. Harnishfeger. No. 1,095,856; May 5; Gaz. vol. 202; p. 232.
- Holder. J. Moltar. No. 1,103,367; July 14; Gaz. vol. 204; p. 445.
- Holder and delivery device. J. E. Kenkel. No. 1,121,509; Dec. 15; Gaz. vol. 209; p. 991.
- Holding and operating means. J. B. Kelly. No. 1,089,226; Mar. 3; Gaz. vol. 200; p. 190.
- Holding device. H. English. No. 1,098,789; June 2; Gaz. vol. 203; p. 146.
- Hole-closure. D. J. Diel. No. 1,089,335; Mar. 3; Gaz. vol. 200; p. 224.
- Hollow article made of paper, cloth, and the like. M. Handwerck. No. 1,106,211; Aug. 4; Gaz. vol. 205; p. 218.
- Hollow articles. Machine for applying linings to. E. D. Anderson. No. 1,089,618; Mar. 10; Gaz. vol. 200; p. 371.
- Hollow bodies of perfect shape. Manufacture of. P. A. Achilles. No. 1,093,568; Apr. 14; Gaz. vol. 201; p. 524.
- Hollow-screw elevator. W. C. Albers. No. 1,098,420; June 2; Gaz. vol. 203; p. 22.
- Honey and like purposes. Tool for uncapping. D. H. Lea. No. 1,104,653; July 21; Gaz. vol. 204; p. 724.
- Honey from beehives. Apparatus for removing the. H. E. Joly. No. 1,092,219; Apr. 7; Gaz. vol. 201; p. 33.
- Honey-section press and foundation-fastener. Combined. H. Rauchfuss. No. 1,090,345; Mar. 17; Gaz. vol. 200; p. 663.
- Honey-uncapping machine. L. R. Ferguson. No. 1,084,141; Jan. 13; Gaz. vol. 198; p. 323.
- Honing-machine. J. Kayetan. No. 1,098,504; June 2; Gaz. vol. 203; p. 51.
- Honing-machine. T. C. Sheehan. No. 1,090,577; Mar. 17; Gaz. vol. 200; p. 746.
- Hood. E. Zinner. No. 1,113,728; Oct. 13; Gaz. vol. 207; p. 502.
- Hood and cape. Combined. E. Galbraith. No. 1,119,268; Dec. 1; Gaz. vol. 209; p. 126.
- Hood. Focusing-. W. F. Folmer. No. 1,101,532; June 30; Gaz. vol. 203; p. 1272.
- Hood. Fresh-air. S. E. Clinton. No. 1,108,972; Sept. 1; Gaz. vol. 206; p. 40.
- Hood. Mosquito-. A. Zucker. No. 1,087,418; Feb. 17; Gaz. vol. 199; p. 736.
- Hood. Ventilating-. G. C. Bohn. No. 1,111,292; Sept. 22; Gaz. vol. 206; p. 983.
- Hoof-cutting and hoof-opening machine. F. M. Keane. No. 1,088,995; Mar. 3; Gaz. vol. 200; p. 110.
- Hoof-gouge. E. Hanschen. No. 1,122,916; Dec. 29; Gaz. vol. 209; p. 1553.
- Hoof-pad. J. H. Curley. No. 1,100,670; June 16; Gaz. vol. 203; p. 867.
- Hoof-pad. J. Vogt. No. 1,121,694; Dec. 22; Gaz. vol. 209; p. 1092.
- Hoof-remover. W. F. Lueth. No. 1,100,754; June 23; Gaz. vol. 203; p. 951.
- Hoof-spreader. L. H. Floyd and G. H. Ball. No. 1,094,322; Apr. 21; Gaz. vol. 201; p. 819.
- Hook. *See* Back-band hook; Bale-hook; Belt-hook; Boat and the like hook; Cable-hook; Cant-hook; Catch-hook; Collar-hook; Conductor-hook; Crochet-hook; Crustacea-hook; Curtain-hook; Draft-hook; Fish-hook; Garment-hook; Garment-fastening hook; Grab-hook; Grass-hook; Hame-hook; Hand-hook; Harness-hook; Hasp-hook; Lacing-hook; Ladle-hook; Lap-link loggerhead-hook; Limber-hook; Picture-hook; Plaster-hook; Printer's plate-hook; Reed-hook; Return-hook; Safety-hook; Sheep-hook; Shocking-hook; Shoe-hook; Slip-hook; Snap-hook; Swingletree-hook; Tag-hook; Timber-hook; Whiffletree-hook.
- Hook. O. Nilson. No. 1,086,609; Feb. 10; Gaz. vol. 199; p. 406.
- Hook. C. J. Ohlsson. No. 1,093,945; Apr. 21; Gaz. vol. 201; p. 695.
- Hook. M. T. Olstad. No. 1,088,614; Feb. 24; Gaz. vol. 199; p. 1190.
- Hook and eye. J. H. Boye. No. 1,107,750; Aug. 18; Gaz. vol. 205; p. 851.
- Hook and eye. C. A. Engle and A. A. Arnold. No. 1,101,508; June 23; Gaz. vol. 203; p. 1215.
- Hook and eye. C. A. Ford. No. 1,084,852; Jan. 20; Gaz. vol. 198; p. 590.
- Hook and eye. S. H. Glidden. No. 1,093,260; Apr. 14; Gaz. vol. 201; p. 425.
- Hook and eye. C. Harkness. No. 1,112,904; Oct. 6; Gaz. vol. 207; p. 172.
- Hook and eye. E. J. Hughes, Jr. No. 1,091,341; Mar. 24; Gaz. vol. 200; p. 1033.
- Hook and eye. J. M. Pederson. No. 1,119,721; Dec. 1; Gaz. vol. 209; p. 282.
- Hook and eye. G. D. Rollins. No. 1,115,112; Oct. 27; Gaz. vol. 207; p. 1083.
- Hook and eye manipulator. P. T. Chalfant. No. 1,092,338; Apr. 7; Gaz. vol. 201; p. 75.
- Hook and eyelet setting machine. R. C. Simmons. No. 1,117,711; Nov. 17; Gaz. vol. 208; p. 864.
- Hook and lock. Combination. W. Rogers. No. 1,120,542; Dec. 8; Gaz. vol. 209; p. 606.
- Hook feeding and arranging machine. W. L. Curtis. No. 1,095,194; May 5; Gaz. vol. 202; p. 7.
- Hook-hanger. R. C. Smith. No. 1,094,608; Apr. 28; Gaz. vol. 201; p. 978.
- Hook machines. Bobbin-holder for rotary-. R. K. Hohmann. No. 1,105,197; July 28; Gaz. vol. 204; p. 1167.
- Hooks and eyes and attaching them to cards. Machine for assembling. W. L. Curtis. No. 1,095,457; May 5; Gaz. vol. 202; p. 97.
- Hooks and eyes to cloth. Machine for attaching. E. P. Du Pont. No. 1,102,021; June 30; Gaz. vol. 203; p. 1445.
- Hoop. *See* Cheese-hoop; Embroidery-hoop; Silo-hoop.
- Hoop and fastener for silo and like tanks. A. Rasmussen. No. 1,104,134; July 21; Gaz. vol. 204; p. 752.
- Hoop-fastener. A. Rasmussen. No. 1,086,217; Feb. 3; Gaz. vol. 199; p. 225.
- Hoop-fastening device. G. A. Moore. No. 1,118,213; Nov. 24; Gaz. vol. 208; p. 1077.
- Hoop forming and splicing machine. N. K. Bowman and J. C. Hewitt. No. 1,122,680; Dec. 29; Gaz. vol. 209; p. 1473.
- Hop extractor and press. Combined. A. G. Hupfel. No. 1,119,512; Dec. 1; Gaz. vol. 209; p. 212.
- Hop press and filter. Combined. A. G. Hupfel. No. 1,092,994; Apr. 14; Gaz. vol. 201; p. 333.
- Hopper. A. R. Havener. No. 1,103,580; July 14; Gaz. vol. 204; p. 519.
- Hopper. R. P. Jennings. No. 1,111,070; Sept. 22; Gaz. vol. 206; p. 907.
- Hopper. Automatic feed-. E. F. and M. E. Rossow. No. 1,088,096; Feb. 24; Gaz. vol. 199; p. 1019.
- Hopper-closure. H. M. Estabrook. No. 1,105,639; Aug. 4; Gaz. vol. 205; p. 19.
- Hopper-door mechanism. J. W. Steinmeyer. No. 1,109,602; Sept. 1; Gaz. vol. 206; p. 261.
- Hopper-door mechanism. V. M. Summa. No. 1,097,951; May 26; Gaz. vol. 202; p. 1081.
- Hopper. Feed-. H. B. Meier. No. 1,107,088; Aug. 11; Gaz. vol. 205; p. 566.
- Hopper. Feed-. F. W. Ruggles. No. 1,089,011; Mar. 3; Gaz. vol. 200; p. 115.
- Hopper. Grain-. J. W. Steinmeyer. No. 1,109,601; Sept. 1; Gaz. vol. 206; p. 261.
- Hopper mechanism. R. L. Wilcox. No. 1,094,766; Apr. 28; Gaz. vol. 201; p. 1036.
- Hopper. Seed-. W. H. Coursey. No. 1,111,057; Sept. 22; Gaz. vol. 206; p. 903.
- Hopper-tally. J. E. Fridgen. No. 1,102,258; July 7; Gaz. vol. 204; p. 12.
- Hopple. Animal-. A. J. Hentschel. No. 1,098,624; June 2; Gaz. vol. 203; p. 92.
- Horn. C. Carson. No. 1,107,654; Aug. 18; Gaz. vol. 205; p. 817.
- Horn. Alarm-. W. E. and W. E. Russell. No. 1,120,627; Dec. 8; Gaz. vol. 209; p. 638.
- Horn. Alarm-. W. E. and W. E. Russell. No. 1,120,653; Dec. 8; Gaz. vol. 209; p. 646.
- Horn and similar instrument. M. R. Hutchison. No. 1,111,463; Sept. 22; Gaz. vol. 206; p. 1042.
- Horn. Automatic. G. F. Long. No. 1,090,080; Mar. 10; Gaz. vol. 200; p. 530.
- Horn. Automatic multiple-note. E. Teste. No. 1,103,705; July 14; Gaz. vol. 204; p. 565.
- Horn. Combination-. J. W. Jones. No. 1,121,104; Dec. 15; Gaz. vol. 209; p. 853.
- Horn-controlling mechanism for metallic fastening-machines. M. D. Phelan. No. 1,104,130; July 21; Gaz. vol. 204; p. 750.
- Horn. Diaphragm-. H. W. Bender. No. 1,120,642; Dec. 8; Gaz. vol. 209; p. 642.
- Horn. Diaphragm-. M. R. Hutchison. No. 1,094,403; Apr. 21; Gaz. vol. 201; p. 846.
- Horn. Diaphragm-. M. R. Hutchison. No. 1,120,057; Dec. 8; Gaz. vol. 209; p. 434.
- Horn. Diaphragm-. M. R. Hutchison. No. 1,120,618; Dec. 8; Gaz. vol. 209; p. 634.
- Horn. Diaphragm-. M. R. Hutchison. No. 1,120,619; Dec. 8; Gaz. vol. 209; p. 634.
- Horn. Mechanical. O. C. Arlitz. No. 1,110,032; Sept. 8; Gaz. vol. 206; p. 457.
- Horn. Mechanical. G. C. Dean. No. 1,105,324; July 28; Gaz. vol. 204; p. 1214.
- Horn. Mechanical. E. J. Willis. No. 1,110,275; Sept. 8; Gaz. vol. 206; p. 545.
- Horn or signal device. M. R. Hutchison. No. 1,087,538; Feb. 17; Gaz. vol. 199; p. 778.

Alphabetical list of inventions—Continued.

- Horn or signaling device. M. R. Hutchison. No. 1,102,586; July 7; Gaz. vol. 204; p. 129.
- Horn-support. P. Catucci. No. 1,098,313; May 26; Gaz. vol. 202; p. 1206.
- Horns, Manufacturing. A. R. Cunnius. No. 1,112,686; Oct. 6; Gaz. vol. 207; p. 99.
- Horological instrument. F. J. Horstman. No. 1,085,206; Jan. 27; Gaz. vol. 198; p. 746.
- Horse-blankets, Holding means for. W. G. Ayres. No. 1,094,188; Apr. 21; Gaz. vol. 201; p. 777.
- Horse-checking device. W. E. Sell. No. 1,110,650; Sept. 15; Gaz. vol. 206; p. 717.
- Horse-detacher. O. E. Albright. No. 1,090,959; Mar. 24; Gaz. vol. 200; p. 906.
- Horse-detacher. C. B. Cummons. No. 1,098,229; May 26; Gaz. vol. 202; p. 1176.
- Horse-detacher. O. Ström. No. 1,086,412; Feb. 10; Gaz. vol. 199; p. 335.
- Horse detacher and controller. E. S. Jones. No. 1,104,049; July 21; Gaz. vol. 204; p. 722.
- Horse-drenching bit. G. G. White. No. 1,121,435; Dec. 15; Gaz. vol. 209; p. 966.
- Horse-overshoe. M. Blackman. No. 1,095,787; May 5; Gaz. vol. 202; p. 210.
- Horse-overshoe. C. A. Deuscher. No. 1,093,547; Apr. 14; Gaz. vol. 201; p. 517.
- Horse-overshoe. C. A. Deuscher. No. 1,120,455; Dec. 8; Gaz. vol. 209; p. 576.
- Horse-overshoe. C. E. Ferciot. No. 1,110,317; Sept. 15; Gaz. vol. 206; p. 598.
- Horse-overshoe. J. F. Herman. No. 1,096,912; May 19; Gaz. vol. 202; p. 671.
- Horse-overshoe. J. J. O'Connell. No. 1,085,874; Feb. 3; Gaz. vol. 199; p. 104.
- Horse-overshoe. J. J. O'Connell. No. 1,086,305; Feb. 3; Gaz. vol. 199; p. 253.
- Horse-overshoe. H. Schmitz. No. 1,116,132; Nov. 3; Gaz. vol. 208; p. 228.
- Horse-overshoe. C. H. Schotta. No. 1,094,101; Apr. 21; Gaz. vol. 201; p. 747.
- Horse-overshoe. R. Whitaker. No. 1,083,968; Jan. 13; Gaz. vol. 198; p. 263.
- Horse-overshoe. R. Whitaker. No. 1,085,312; Jan. 27; Gaz. vol. 198; p. 784.
- Horse-pad. E. L. McClain. No. 1,119,094; Dec. 1; Gaz. vol. 209; p. 68.
- Horse-power indicator and recorder. L. N. Morscher. No. 1,107,234; Aug. 11; Gaz. vol. 205; p. 619.
- Horse-protector. J. W. Nilsson. No. 1,113,815; Oct. 13; Gaz. vol. 207; p. 533.
- Horse-protector. B. P. Welland. No. 1,108,045; Aug. 18; Gaz. vol. 205; p. 953.
- Horse-releaser. H. Holub. No. 1,092,993; Apr. 14; Gaz. vol. 201; p. 332.
- Horse-releasing device. R. A. Jenne. No. 1,112,910; Oct. 6; Gaz. vol. 207; p. 174.
- Horse-tie. H. Wiemer. No. 1,113,392; Oct. 13; Gaz. vol. 207; p. 385.
- Horse-twitch. S. Fisher. No. 1,096,420; May 12; Gaz. vol. 202; p. 461.
- Horses' hoofs, Antislipping overshoe and pad for. J. B. Kopf. No. 1,114,773; Oct. 27; Gaz. vol. 207; p. 963.
- Horses, Leg-spreader for. T. St. Jean. No. 1,104,843; July 28; Gaz. vol. 204; p. 1046.
- Horsehair, Manufacturing artificial. C. M. Sanlaville. No. 1,093,295; Apr. 14; Gaz. vol. 201; p. 438.
- Horseshoe. W. D. P. Aims, Jr. No. 1,093,163; Apr. 14; Gaz. vol. 201; p. 392.
- Horseshoe. A. Balajthy. No. 1,113,734; Oct. 13; Gaz. vol. 207; p. 504.
- Horseshoe. A. Balogh and L. Nagy. No. 1,106,351; Aug. 4; Gaz. vol. 205; p. 263.
- Horseshoe. F. Bonali. No. 1,108,125; Aug. 25; Gaz. vol. 205; p. 1028.
- Horseshoe. P. F. Burke. No. 1,094,873; Apr. 28; Gaz. vol. 201; p. 1072.
- Horseshoe. L. Busse. No. 1,122,472; Dec. 29; Gaz. vol. 209; p. 1399.
- Horseshoe. J. W. Fink. No. 1,099,351; June 9; Gaz. vol. 203; p. 381.
- Horseshoe. S. Gracek. No. 1,113,117; Oct. 6; Gaz. vol. 207; p. 243.
- Horseshoe. W. B. Gregg. No. 1,119,424; Dec. 1; Gaz. vol. 209; p. 181.
- Horseshoe. M. J. Griffin. No. 1,091,928; Mar. 31; Gaz. vol. 200; p. 1281.
- Horseshoe. G. E. Howe. No. 1,112,535; Oct. 6; Gaz. vol. 207; p. 44.
- Horseshoe. J. H. Kieffer. No. 1,089,844; Mar. 10; Gaz. vol. 200; p. 449.
- Horseshoe. T. Koman. No. 1,117,859; Nov. 17; Gaz. vol. 208; p. 915.
- Horseshoe. J. Kundis. No. 1,107,620; Aug. 18; Gaz. vol. 205; p. 805.
- Horseshoe. J. K. Levey. No. 1,089,235; Mar. 3; Gaz. vol. 200; p. 193.
- Horseshoe. W. P. Lewis. No. 1,113,796; Oct. 13; Gaz. vol. 207; p. 526.
- Horseshoe. W. S. McCracken. No. 1,092,585; Apr. 7; Gaz. vol. 201; p. 159.
- Horseshoe. P. Molnár. No. 1,100,487; June 16; Gaz. vol. 203; p. 808.
- Horseshoe. T. C. Octigan. No. 1,120,232; Dec. 8; Gaz. vol. 209; p. 497.
- Horseshoe. H. Perkins. No. 1,121,534; Dec. 15; Gaz. vol. 209; p. 999.
- Horseshoe. I. Pollinger. No. 1,083,889; Jan. 6; Gaz. vol. 198; p. 204.
- Horseshoe. M. Powlowski and S. A. Mischansky. No. 1,116,326; Nov. 3; Gaz. vol. 208; p. 292.
- Horseshoe. G. W. Roberts. No. 1,101,333; June 23; Gaz. vol. 203; p. 1153.
- Horseshoe. J. D. Robnett. No. 1,111,861; Sept. 29; Gaz. vol. 206; p. 1219.
- Horseshoe. A. Salton. No. 1,088,243; Feb. 24; Gaz. vol. 199; p. 1068.
- Horseshoe. H. F. Sottong. No. 1,108,014; Aug. 18; Gaz. vol. 205; p. 942.
- Horseshoe. G. Staples. No. 1,088,473; Feb. 24; Gaz. vol. 199; p. 1145.
- Horseshoe. W. J. Twist. No. 1,089,293; Mar. 3; Gaz. vol. 200; p. 211.
- Horseshoe. J. Walker. No. 1,098,773; June 2; Gaz. vol. 203; p. 141.
- Horseshoe. J. H. Wiestner. No. 1,109,495; Sept. 1; Gaz. vol. 206; p. 224.
- Horseshoe antislipping attachment. J. A. Davis. No. 1,097,616; May 26; Gaz. vol. 202; p. 959.
- Horseshoe antislipping device. M. C. Louis. No. 1,097,453; May 19; Gaz. vol. 202; p. 860.
- Horseshoe attachment. W. Fleet. No. 1,111,303; Sept. 22; Gaz. vol. 206; p. 987.
- Horseshoe attachment. J. W. Ford. No. 1,120,921; Dec. 15; Gaz. vol. 209; p. 788.
- Horseshoe attachment. J. Liska and J. Kepko. No. 1,100,587; June 16; Gaz. vol. 203; p. 840.
- Horseshoe attachment. T. A. Maguire. No. 1,117,583; Nov. 17; Gaz. vol. 208; p. 817.
- Horseshoe attachment. S. Noro. No. 1,093,351; Apr. 14; Gaz. vol. 201; p. 456.
- Horseshoe attachment. E. J. Reece. No. 1,094,474; Apr. 28; Gaz. vol. 201; p. 933.
- Horseshoe attachment. J. H. Roebuck. No. 1,089,870; Mar. 10; Gaz. vol. 200; p. 457.
- Horseshoe bars, Shaping-rolls for. L. T. Page. No. 1,086,933; Feb. 10; Gaz. vol. 199; p. 518.
- Horseshoe-blank. H. E. Turner. No. 1,084,676; Jan. 20; Gaz. vol. 198; p. 529.
- Horseshoe-calk. L. L. Fox. No. 1,111,891; Sept. 29; Gaz. vol. 206; p. 1231.
- Horseshoe-calk. F. F. Heiselmann. No. 1,090,055; Mar. 10; Gaz. vol. 200; p. 522.
- Horseshoe-calk. V. W. Hiller. No. 1,117,047; Nov. 10; Gaz. vol. 208; p. 589.
- Horseshoe-calk. C. J. Richard. No. 1,089,965; Mar. 10; Gaz. vol. 200; p. 491.
- Horseshoe-calk. F. Snyder. No. 1,114,925; Oct. 27; Gaz. vol. 207; p. 1017.
- Horseshoe-calk. Detachable. G. I. De Force. No. 1,092,634; Apr. 7; Gaz. vol. 201; p. 177.
- Horseshoe-calk, Removable. T. H. Warner. No. 1,086,250; Feb. 3; Gaz. vol. 199; p. 236.
- Horseshoe-calk remover. R. R. Kennedy. No. 1,094,576; Apr. 28; Gaz. vol. 201; p. 967.
- Horseshoe-creeper. F. F. and M. S. Jacobs. No. 1,106,943; Aug. 11; Gaz. vol. 205; p. 519.
- Horseshoe, Detachable. J. H. Casserleigh. No. 1,120,279; Dec. 8; Gaz. vol. 209; p. 512.
- Horseshoe ice-creeper. F. F. Jacobs. No. 1,094,571; Apr. 28; Gaz. vol. 201; p. 965.
- Horseshoe, Nailless. J. A. Hale. No. 1,087,877; Feb. 17; Gaz. vol. 199; p. 894.
- Horseshoe-pad. A. Larsen. No. 1,111,843; Sept. 29; Gaz. vol. 206; p. 1212.
- Horseshoe, Padded. C. E. Sheldon. No. 1,100,030; June 16; Gaz. vol. 203; p. 649.
- Horseshoe, Swamp-. M. Gustafson and T. Swanson. No. 1,095,107; Apr. 28; Gaz. vol. 201; p. 1152.
- Horseshoe toe-calk. J. W. Bamford. No. 1,089,035; Mar. 3; Gaz. vol. 200; p. 124.
- Horseshoe toe-calk. S. N. Milton. No. 1,101,139; June 23; Gaz. vol. 203; p. 1087.
- Horseshoes, Antislipping attachment for. L. Fuchs. No. 1,101,689; June 30; Gaz. vol. 203; p. 1326.
- Horseshoes, Antislipping attachment for. H. B. Paine. No. 1,086,207; Feb. 3; Gaz. vol. 199; p. 222.
- Horseshoes, Apparatus for electrically forming toes and heels on. W. B. Miller. No. 1,111,165; Sept. 22; Gaz. vol. 206; p. 940.
- Horseshoes, Hoof-rectifying attachment for. F. A. Dresser. No. 1,090,116; Mar. 10; Gaz. vol. 200; p. 542.
- Hose. B. V. Hallgreen. No. 1,087,443; Feb. 17; Gaz. vol. 199; p. 746.
- Hose and coupling testing appliance. R. S. Newton. No. 1,118,876; Nov. 24; Gaz. vol. 208; p. 1307.
- Hose and the like coupling. A. M. Barcus. No. 1,117,762; Nov. 17; Gaz. vol. 208; p. 882.
- Hose-attaching device. C. Elkin. No. 1,091,819; Mar. 31; Gaz. vol. 200; p. 1243.

Alphabetical list of inventions—Continued.

- Hose-banding tool. A. H. Cain. No. 1,093,910; Apr. 21; Gaz. vol. 201; p. 684.
- Hose, Braided fabric for. H. Z. Cobb. No. 1,104,777; July 28; Gaz. vol. 204; p. 1023.
- Hose, Braided fabric for. H. Z. Cobb. No. 1,104,778; July 28; Gaz. vol. 204; p. 1023.
- Hose-clamp. W. S. Feeny. No. 1,116,049; Nov. 3; Gaz. vol. 208; p. 199.
- Hose-clamp. H. Gibbs. No. 1,096,503; May 12; Gaz. vol. 202; p. 489.
- Hose-clamp. W. C. Walker. No. 1,121,782; Dec. 22; Gaz. vol. 209; p. 1122.
- Hose-clamp pliers. B. G. Lautz and G. E. Fillmore. No. 1,119,437; Dec. 1; Gaz. vol. 209; p. 185.
- Hose connection. R. De Kuyper, Jr. No. 1,089,332; Mar. 3; Gaz. vol. 200; p. 223.
- Hose connection. H. Gillar. No. 1,098,620; June 2; Gaz. vol. 203; p. 91.
- Hose-connector. J. Stuber and H. G. Kuck. No. 1,101,818; June 30; Gaz. vol. 203; p. 1371.
- Hose construction. C. K. Huthsing. No. 1,104,508; July 21; Gaz. vol. 204; p. 881.
- Hose construction. J. F. Joseph. No. 1,100,829; June 23; Gaz. vol. 203; p. 978.
- Hose-coupling. W. J. Bellows. No. 1,104,955; July 28; Gaz. vol. 204; p. 1085.
- Hose-coupling. J. J. Bowes, Jr. No. 1,093,528; Apr. 14; Gaz. vol. 201; p. 512.
- Hose-coupling. A. E. Derbyshire. No. 1,096,690; May 12; Gaz. vol. 202; p. 551.
- Hose-coupling. A. Gabrohn. No. 1,113,770; Oct. 13; Gaz. vol. 207; p. 517.
- Hose-coupling. J. Gething. No. 1,101,844; June 30; Gaz. vol. 203; p. 1380.
- Hose-coupling. E. H. Gold. No. 1,118,123; Nov. 24; Gaz. vol. 208; p. 1047.
- Hose-coupling. J. C. Hayes. No. 1,085,606; Feb. 3; Gaz. vol. 199; p. 10.
- Hose-coupling. M. C. Hutchinson. No. 1,083,742; Jan. 6; Gaz. vol. 198; p. 161.
- Hose-coupling. J. F. James. No. 1,098,265; May 28; Gaz. vol. 202; p. 1188.
- Hose-coupling. J. R. Kile. No. 1,089,650; Mar. 10; Gaz. vol. 200; p. 383.
- Hose-coupling. E. A. McIntosh. No. 1,095,220; May 5; Gaz. vol. 202; p. 17.
- Hose-coupling. H. O'Leary. No. 1,119,032; Dec. 1; Gaz. vol. 209; p. 48.
- Hose-coupling. C. Olsen. No. 1,098,752; June 2; Gaz. vol. 203; p. 135.
- Hose-coupling. F. E. Paradis. No. 1,091,759; Mar. 31; Gaz. vol. 200; p. 1221.
- Hose-coupling. H. B. Robinson. No. 1,099,129; June 2; Gaz. vol. 203; p. 258.
- Hose-coupling. H. G. Scherer. No. 1,112,850; Oct. 6; Gaz. vol. 207; p. 154.
- Hose-coupling. H. F. Sorum. No. 1,092,603; Apr. 7; Gaz. vol. 201; p. 166.
- Hose-coupling. M. Stiglich. No. 1,121,147; Dec. 15; Gaz. vol. 209; p. 869.
- Hose-coupling. J. Stuber and H. G. Kuck. No. 1,101,819; June 30; Gaz. vol. 203; p. 1371.
- Hose-coupling. M. J. Weber. No. 1,115,992; Nov. 3; Gaz. vol. 208; p. 180.
- Hose-coupling. G. E. Wilson. No. 1,113,080; Oct. 6; Gaz. vol. 207; p. 230.
- Hose-coupling, Automatic. H. C. Herr. No. 1,118,129; Nov. 24; Gaz. vol. 208; p. 1048.
- Hose coupling or union. W. C. Stephens. No. 1,092,673; Apr. 7; Gaz. vol. 201; p. 189.
- Hose-couplings, Machine for attaching and detaching. R. N. Church. No. 1,094,978; Apr. 28; Gaz. vol. 201; p. 1110.
- Hose, Machine for applying ferrules or bands to. H. Gibbs. No. 1,096,502; May 12; Gaz. vol. 202; p. 489.
- Hose-nozzle. H. Gibbs. No. 1,085,120; Jan. 27; Gaz. vol. 198; p. 716.
- Hose-nozzle. V. P. McVoy. No. 1,116,094; Nov. 3; Gaz. vol. 208; p. 215.
- Hose-nozzle holder. F. H. Benton. No. 1,097,746; May 26; Gaz. vol. 202; p. 1007.
- Hose-plug, Combination. W. Huisveld and C. Hansen. No. 1,089,057; Mar. 3; Gaz. vol. 200; p. 130.
- Hose-protector. J. Piché. No. 1,106,840; Aug. 11; Gaz. vol. 205; p. 483.
- Hose-rack. E. D. Dysinger. No. 1,086,354; Feb. 10; Gaz. vol. 199; p. 317.
- Hose-rack. W. T. Oliver. No. 1,091,384; Mar. 24; Gaz. vol. 200; p. 1049.
- Hose-reel. W. M. Barret. No. 1,101,984; June 30; Gaz. vol. 203; p. 1430.
- Hose-reel. J. M. Esser. No. 1,117,357; Nov. 17; Gaz. vol. 208; p. 739.
- Hose-reel. F. A. Foster. No. 1,096,232; May 12; Gaz. vol. 202; p. 396.
- Hose-reel, Draining. C. M. McCall. No. 1,115,325; Oct. 27; Gaz. vol. 207; p. 1157.
- Hose, Rubber-patch clamp for. E. D. Van Doren. No. 1,096,971; May 19; Gaz. vol. 202; p. 692.
- Hose-splice. J. H. Bradnack. No. 1,083,269; Jan. 6; Gaz. vol. 198; p. 3.
- Hose-strainer. W. A. Austin and V. J. Shepard. No. 1,119,564; Dec. 1; Gaz. vol. 209; p. 230.
- Hose-support. M. B. Dunagan. No. 1,110,753; Sept. 15; Gaz. vol. 206; p. 753.
- Hose-support. E. Praeger. No. 1,114,033; Oct. 20; Gaz. vol. 207; p. 647.
- Hose support, Garden-. W. Q. Glass. No. 1,118,197; Nov. 24; Gaz. vol. 208; p. 1071.
- Hose support, Garden-. F. W. Haines. No. 1,085,084; Jan. 20; Gaz. vol. 198; p. 667.
- Hose-supporter. F. S. Calloway. No. 1,113,954; Oct. 20; Gaz. vol. 207; p. 621.
- Hose-supporter. H. B. Carty. No. 1,087,726; Feb. 17; Gaz. vol. 199; p. 846.
- Hose-supporter. A. H. Cohn. No. 1,085,019; Jan. 20; Gaz. vol. 198; p. 645.
- Hose-supporter. R. E. Dodge. No. 1,091,815; Mar. 31; Gaz. vol. 200; p. 1242.
- Hose-supporter. R. Gorton. No. 1,086,290; Feb. 3; Gaz. vol. 199; p. 248.
- Hose-supporter. F. F. Knothe. No. 1,119,833; Dec. 8; Gaz. vol. 209; p. 357.
- Hose-supporter. F. A. Rowe. No. 1,102,804; July 7; Gaz. vol. 204; p. 203.
- Hose-supporter. L. A. Wilkinson. No. 1,097,575; May 19; Gaz. vol. 202; p. 901.
- Hose-supporter. A. M. Wilson. No. 1,110,851; Sept. 15; Gaz. vol. 206; p. 787.
- Hose-supporter clasp. R. Gorton. No. 1,109,583; Sept. 1; Gaz. vol. 206; p. 254.
- Hose-supporters, Button-tab end for. J. B. Russ and H. J. Stuart. No. 1,090,793; Mar. 17; Gaz. vol. 200; p. 815.
- Hosiery. E. E. Kilbourn, W. E. Smith, and I. W. Kilbourn. No. 1,120,506; Dec. 8; Gaz. vol. 209; p. 593.
- Hosiery. R. W. Scott. No. 1,114,538; Oct. 20; Gaz. vol. 207; p. 829.
- Hosiery. R. W. Scott and L. A. Costello. No. 1,087,690; Feb. 17; Gaz. vol. 199; p. 833.
- Hosiery and the like, Apparatus for drying and shaping. G. Collis. No. 1,114,966; Oct. 27; Gaz. vol. 207; p. 1031.
- Hosiery, Device for turning welts on. W. E. Chipman. No. 1,101,522; June 30; Gaz. vol. 203; p. 1269.
- Hosiery-form. J. Rogginger. No. 1,091,247; Mar. 24; Gaz. vol. 200; p. 1007.
- Hosiery, Knitted tubular pocket for. R. J. Morningstar. No. 1,117,591; Nov. 17; Gaz. vol. 208; p. 819.
- Hot-air-conductor pipe. C. J. Holub. No. 1,122,392; Dec. 29; Gaz. vol. 209; p. 1372.
- Hot-air conveyor or stack, Double-wall. A. G. Scherer. No. 1,085,303; Jan. 27; Gaz. vol. 198; p. 781.
- Hot-air engine. J. R. Sandage. No. 1,083,946; Jan. 13; Gaz. vol. 198; p. 255.
- Hot-air furnace. R. W. Baily. No. 1,114,669; Oct. 20; Gaz. vol. 207; p. 871.
- Hot-air furnace. T. R. Brien. No. 1,094,399; Apr. 21; Gaz. vol. 201; p. 844.
- Hot-air furnace. A. O'Loughlin. No. 1,108,388; Aug. 25; Gaz. vol. 205; p. 1120.
- Hot-air furnace. J. Zellweger. No. 1,093,022; Apr. 14; Gaz. vol. 201; p. 342.
- Hot-air furnace, Sectional. A. G. Stapel. No. 1,094,686; Apr. 28; Gaz. vol. 201; p. 1007.
- Hot-air heater. J. Q. Clarke. No. 1,116,674; Nov. 10; Gaz. vol. 208; p. 460.
- Hot-air motor. E. A. Wullenweber. No. 1,091,904; Mar. 31; Gaz. vol. 200; p. 1272.
- Hot-bearing alarm. E. O. Davis. No. 1,105,888; Aug. 4; Gaz. vol. 205; p. 105.
- Hot-box cooler. E. S. Hammond. No. 1,095,108; Apr. 28; Gaz. vol. 201; p. 1153.
- Hot-meal server. C. Stirn. No. 1,120,758; Dec. 15; Gaz. vol. 209; p. 730.
- Hot-plate, Electrically-heated. F. Kuhn. No. 1,107,321; Aug. 18; Gaz. vol. 205; p. 697.
- Hot-water-circulating boiler. W. Kane. No. 1,084,861; Jan. 20; Gaz. vol. 198; p. 593.
- Hot-water deflector. N. M. Davidson. No. 1,086,143; Feb. 3; Gaz. vol. 199; p. 201.
- Hot-water dispenser and drinking-glass sterilizer. P. S. Graves and J. I. Olivetti. No. 1,109,414; Sept. 1; Gaz. vol. 206; p. 199.
- Hot-water heater. S. Labedzki. No. 1,118,656; Nov. 24; Gaz. vol. 208; p. 1233.
- Hot-water heater. E. S. Manny. No. 1,112,462; Oct. 6; Gaz. vol. 207; p. 17.
- Hot-water heater and radiator. G. A. Webster. No. 1,098,537; June 2; Gaz. vol. 203; p. 63.
- Hot-water heater, Combined. I. and S. Blickman. No. 1,087,633; Feb. 17; Gaz. vol. 199; p. 812.
- Hot-water or steam boiler. A. V. Stealy. No. 1,088,474; Feb. 24; Gaz. vol. 199; p. 1145.
- Hot-water-service system. S. H. Moore. No. 1,108,463; Aug. 25; Gaz. vol. 205; p. 1145.
- Hot-water systems, Accelerator for. W. H. Bullock and G. B. Fayette. No. 1,118,394; Nov. 24; Gaz. vol. 208; p. 1140.
- Hotbed. E. F. Slick. No. 1,106,478; Aug. 11; Gaz. vol. 205; p. 355.
- Hotbed-operating mechanism. H. D. Williams and W. Ahlen. No. 1,117,615; Nov. 17; Gaz. vol. 208; p. 827.

Alphabetical list of inventions—Continued.

- House: *See* Ice-house; Imitation house; Portable house; Poultry-house.
- Houses, Mold for building monolithic. F. D. Lambie. No. 1,122,285; Dec. 29; Gaz. vol. 209; p. 1337.
- Houses, Mold for building monolithic. F. D. Lambie. No. 1,122,771; Dec. 29; Gaz. vol. 209; p. 1503.
- Houses, Mold for building monolithic. F. D. Lambie. No. 1,122,772; Dec. 29; Gaz. vol. 209; p. 1504.
- Housing. E. Clark. No. 1,104,876; July 28; Gaz. vol. 204; p. 1058.
- Housing device, Collapsible. H. R. Alkire and D. O. Mabin. No. 1,107,871; Aug. 18; Gaz. vol. 205; p. 893.
- Hoyer and brooder. A. M. Nichols. No. 1,090,407; Mar. 17; Gaz. vol. 200; p. 686.
- Hover, Fireless. L. H. Becker. No. 1,106,768; Aug. 11; Gaz. vol. 205; p. 457.
- Hub. H. W. Sanford. No. 1,085,302; Jan. 27; Gaz. vol. 198; p. 780.
- Hub and axle connection, Steering-wheel. W. S. Weatherwax. No. 1,086,251; Feb. 3; Gaz. vol. 199; p. 236.
- Hub and bearing-sleeve, Wheel-. D. W. Smith. No. 1,118,691; Nov. 24; Gaz. vol. 208; p. 1245.
- Hub-band and cooperating wrench. H. H. Huntley. No. 1,094,905; Apr. 28; Gaz. vol. 201; p. 1083.
- Hub-band brake. F. H. Chapman. No. 1,113,877; Oct. 13; Gaz. vol. 207; p. 555.
- Hub brake, Coaster-. C. W. Svenson. No. 1,097,568; May 19; Gaz. vol. 202; p. 899.
- Hub-cap. K. T. Simons. No. 1,101,150; June 23; Gaz. vol. 203; p. 1090.
- Hub, Coaster-brake. W. T. Carter. No. 1,117,975; Nov. 24; Gaz. vol. 208; p. 994.
- Hub construction. W. R. Hepner. No. 1,088,575; Feb. 24; Gaz. vol. 199; p. 1177.
- Hub, Demountable wheel-. C. W. Gerhart. No. 1,105,073; July 28; Gaz. vol. 204; p. 1125.
- Hub for autos, Spring-. C. E. Ferguson. No. 1,114,347; Oct. 20; Gaz. vol. 207; p. 759.
- Hub for positively-driven steering-wheels. F. H. Stanard. No. 1,103,702; July 14; Gaz. vol. 204; p. 564.
- Hub-guard. J. Hellman. No. 1,084,739; Jan. 20; Gaz. vol. 198; p. 552.
- Hub-liner. J. F. Guier. No. 1,087,761; Feb. 17; Gaz. vol. 199; p. 855.
- Hub-plate. M. Christman. No. 1,091,192; Mar. 24; Gaz. vol. 200; p. 987.
- Hub, Resilient. J. Melville. No. 1,085,352; Jan. 27; Gaz. vol. 198; p. 798.
- Hub, Spring-. E. J. Lahan. No. 1,111,473; Sept. 22; Gaz. vol. 206; p. 1045.
- Hub, Spring-. W. H. Lasswell. No. 1,086,922; Feb. 10; Gaz. vol. 199; p. 514.
- Hub, Wheel-. D. T. Hastings. No. 1,088,700; Mar. 3; Gaz. vol. 200; p. 10.
- Hub, Wheel-. F. and N. M. Spranger. No. 1,116,510; Nov. 10; Gaz. vol. 208; p. 399.
- Hub, Wheel-. F. P. White. No. 1,120,776; Dec. 15; Gaz. vol. 209; p. 737.
- Hub, Wire-wheel. T. J. Lindsay. No. 1,105,670; Aug. 4; Gaz. vol. 205; p. 29.
- Hubs, Lubricating vehicle-. W. J. Grube. No. 1,090,530; Mar. 17; Gaz. vol. 200; p. 730.
- Hull for marine craft. F. Nichols. No. 1,116,724; Nov. 10; Gaz. vol. 208; p. 476.
- Huller: *See* Bean-huller; Pea-huller; Pea, bean, and cow-pea huller; Seed-huller.
- Hulling-machine. W. L. Dines, Jr. No. 1,106,085; Aug. 4; Gaz. vol. 205; p. 174.
- Humidifier. W. C. Clifford. No. 1,109,567; Sept. 1; Gaz. vol. 206; p. 248.
- Humidifier. J. I. Haynes. No. 1,118,200; Nov. 24; Gaz. vol. 208; p. 1072.
- Humidifying apparatus. W. G. R. Braemer. No. 1,101,901; June 30; Gaz. vol. 203; p. 1399.
- Humidifying apparatus. A. R. Joyce. No. 1,111,837; Sept. 29; Gaz. vol. 206; p. 1210.
- Humidifying apparatus, Head for. W. J. Kelley. No. 1,095,577; May 5; Gaz. vol. 202; p. 138.
- Humidifying device. F. J. Douglass. No. 1,094,544; Apr. 28; Gaz. vol. 201; p. 956.
- Humidity control. W. G. R. Braemer. No. 1,101,902; June 30; Gaz. vol. 203; p. 1400.
- Humidor. M. S. Broadt. No. 1,120,180; Dec. 8; Gaz. vol. 209; p. 477.
- Humidor. C. E. Danforth. No. 1,090,693; Mar. 17; Gaz. vol. 200; p. 784.
- Humidor. M. Mayer. No. 1,094,081; Apr. 21; Gaz. vol. 201; p. 740.
- Humidor, Pocket-. J. Romano. No. 1,088,369; Feb. 24; Gaz. vol. 199; p. 1111.
- Hurdle. W. F. Reach. No. 1,122,158; Dec. 22; Gaz. vol. 209; p. 1253.
- Husking device. F. H. Scherbring. No. 1,121,875; Dec. 22; Gaz. vol. 209; p. 1157.
- Husking implement. R. J. Paul. No. 1,105,339; July 28; Gaz. vol. 204; p. 1219.
- Husking-machine. W. R. Kenward. No. 1,118,936; Dec. 1; Gaz. vol. 209; p. 11.
- Hydrant. J. G. Gauntt. No. 1,091,210; Mar. 24; Gaz. vol. 200; p. 994.
- Hydrant. C. L. Howes. No. 1,086,825; Feb. 10; Gaz. vol. 199; p. 480.
- Hydrant. F. J. Miller and R. H. Thorne. No. 1,083,291; Jan. 6; Gaz. vol. 198; p. 11.
- Hydrant. R. H. Thorne. No. 1,083,307; Jan. 6; Gaz. vol. 198; p. 16.
- Hydrant, Sprinkling and flushing. F. B. Mueller. No. 1,086,841; Feb. 10; Gaz. vol. 199; p. 487.
- Hydrant, Swivel-head. A. J. Thalman and A. A. Hart. No. 1,120,861; Dec. 15; Gaz. vol. 209; p. 765.
- Hydrant-thawing apparatus. C. H. Miller. No. 1,120,837; Dec. 15; Gaz. vol. 209; p. 757.
- Hydrant-wrench. C. E. Berry. No. 1,114,723; Oct. 27; Gaz. vol. 207; p. 943.
- Hydrated aluminosilicates or artificial zeolites and making same. R. Gans. (Reissue.) No. 13,688; Feb. 17; Gaz. vol. 199; p. 907.
- Hydrated aluminosilicates or artificial zeolites, Making. R. Gans. (Reissue.) No. 13,691; Feb. 24; Gaz. vol. 199; p. 1211.
- Hydraulic accumulator. A. H. Emery. No. 1,121,237; Dec. 15; Gaz. vol. 209; p. 897.
- Hydraulic baffle, absorber, or deflector. W. A. Doble. No. 1,088,215; Feb. 24; Gaz. vol. 199; p. 1059.
- Hydraulic casing-jack, Automatic. R. W. Graham. No. 1,104,355; July 21; Gaz. vol. 204; p. 828.
- Hydraulic classifier. M. P. Kirk. No. 1,102,672; July 7; Gaz. vol. 204; p. 157.
- Hydraulic elevator. K. E. O. Jansson. No. 1,094,998; Apr. 28; Gaz. vol. 201; p. 1117.
- Hydraulic elevator. C. E. Oschger. No. 1,116,615; Nov. 10; Gaz. vol. 208; p. 438.
- Hydraulic hand-tool. H. J. Hogan. No. 1,120,717; Dec. 15; Gaz. vol. 209; p. 715.
- Hydraulic jack. E. R. Penrose. No. 1,120,968; Dec. 15; Gaz. vol. 209; p. 803.
- Hydraulic jack and clutch for lifting mechanism. E. B. Petrie. No. 1,117,516; Nov. 17; Gaz. vol. 208; p. 794.
- Hydraulic jack for stump-pullers. C. J. Trinkaus. No. 1,102,825; July 7; Gaz. vol. 204; p. 211.
- Hydraulic jack for well-casings. A. C. Stewart. No. 1,100,204; June 16; Gaz. vol. 203; p. 711.
- Hydraulic lift. W. T. Harris. No. 1,086,529; Feb. 10; Gaz. vol. 199; p. 377.
- Hydraulic lifting mechanism. K. H. W. L. Seck. No. 1,093,151; Apr. 14; Gaz. vol. 201; p. 388.
- Hydraulic motor. R. B. Goodrich. No. 1,117,370; Nov. 17; Gaz. vol. 208; p. 743.
- Hydraulic motor. L. A. Laursen. No. 1,116,083; Nov. 3; Gaz. vol. 208; p. 211.
- Hydraulic motor and the like. O. P. Rohr. No. 1,100,914; June 23; Gaz. vol. 203; p. 1009.
- Hydraulic motor for wagon-dumps. S. B. Hart, W. R. Wilde, and W. F. Brown. No. 1,098,498; June 2; Gaz. vol. 203; p. 49.
- Hydraulic motor-valve. A. L. Grandstaff. No. 1,119,274; Dec. 1; Gaz. vol. 209; p. 128.
- Hydraulic press. M. A. McKee. No. 1,094,803; Apr. 28; Gaz. vol. 201; p. 1049.
- Hydraulic press. T. Steventon. No. 1,093,084; Apr. 14; Gaz. vol. 201; p. 364.
- Hydraulic press, Steam. H. E. Derbyshire. No. 1,097,399; May 19; Gaz. vol. 202; p. 843.
- Hydraulic presses and the like, Controlling mechanism for. W. R. Clark. No. 1,103,035; July 14; Gaz. vol. 204; p. 329.
- Hydraulic presses and the like, Controlling mechanism for. W. R. Clark. No. 1,103,036; July 14; Gaz. vol. 204; p. 330.
- Hydraulic presses and the like, Controlling mechanism for. W. R. Clark. No. 1,103,037; July 14; Gaz. vol. 204; p. 330.
- Hydraulic presses, Means for operating. T. S. Grimes. No. 1,120,474; Dec. 8; Gaz. vol. 209; p. 583.
- Hydraulic pressure-regulator. C. E. Newbold. No. 1,101,757; June 30; Gaz. vol. 203; p. 1349.
- Hydraulic swivel. L. J. Black. No. 1,119,774; Dec. 1; Gaz. vol. 209; p. 299.
- Hydraulic transmission. L. E. Hopkins. No. 1,091,137; Mar. 24; Gaz. vol. 200; p. 968.
- Hydraulic transmission apparatus. E. Schneider. No. 1,106,245; Aug. 4; Gaz. vol. 205; p. 228.
- Hydraulic transmission device. W. I. Wheeler. No. 1,099,412; June 9; Gaz. vol. 203; p. 401.
- Hydraulic variable-speed-transmission device. J. C. Mesick. No. 1,119,976; Dec. 8; Gaz. vol. 209; p. 405.
- Hydro-extractor. E. F. Poland. No. 1,094,590; Apr. 28; Gaz. vol. 201; p. 972.
- Hydroaeronautical apparatus. C. D. Burney. No. 1,107,260; Aug. 18; Gaz. vol. 205; p. 677.
- Hydroaeroplane. W. H. Nosworthy and S. J. Prescott. No. 1,122,531; Dec. 29; Gaz. vol. 209; p. 1420.
- Hydroballoon. H. E. Boggs. No. 1,107,481; Aug. 18; Gaz. vol. 205; p. 756.
- Hydrocarbon-burner. D. Chambers. No. 1,112,891; Oct. 6; Gaz. vol. 207; p. 167.
- Hydrocarbon-burner. M. T. Convery. No. 1,117,165; Nov. 17; Gaz. vol. 208; p. 669.
- Hydrocarbon-burner. M. H. Dunn. No. 1,102,329; July 7; Gaz. vol. 204; p. 38.

Alphabetical list of inventions—Continued.

- Hydrocarbon-burner. J. R. Green. No. 1,098,568; June 2; Gaz. vol. 203; p. 75.
- Hydrocarbon-burner. J. Hallsworth. No. 1,098,721; June 2; Gaz. vol. 203; p. 125.
- Hydrocarbon-burner. G. H. Hovenden. No. 1,105,079; July 28; Gaz. vol. 204; p. 1128.
- Hydrocarbon-burner. W. E. Huenefeld. No. 1,110,786; Sept. 15; Gaz. vol. 206; p. 764.
- Hydrocarbon-burner. E. R. Jackson. No. 1,122,936; Dec. 29; Gaz. vol. 209; p. 1562.
- Hydrocarbon-burner. R. W. Lawton. No. 1,105,804; Aug. 4; Gaz. vol. 205; p. 75.
- Hydrocarbon-burner. F. B. Leonard. No. 1,091,676; Mar. 31; Gaz. vol. 200; p. 1192.
- Hydrocarbon-burner. A. T. McCracken. No. 1,095,509; May 5; Gaz. vol. 202; p. 115.
- Hydrocarbon-burner. W. S. Mummery. No. 1,120,327; Dec. 8; Gaz. vol. 209; p. 530.
- Hydrocarbon-burner. L. E. Osborn. No. 1,109,867; Sept. 8; Gaz. vol. 206; p. 398.
- Hydrocarbon-burner. G. Pontbriand. No. 1,113,826; Oct. 13; Gaz. vol. 207; p. 537.
- Hydrocarbon-burner. R. G. Speer. No. 1,119,052; Dec. 1; Gaz. vol. 209; p. 55.
- Hydrocarbon-burner. M. T. Stone. No. 1,111,929; Sept. 29; Gaz. vol. 206; p. 1242.
- Hydrocarbon-burner. B. A. Thomas. No. 1,092,308; Apr. 7; Gaz. vol. 201; p. 65.
- Hydrocarbon-burner. C. H. Topp. No. 1,115,132; Oct. 27; Gaz. vol. 207; p. 1090.
- Hydrocarbon burner, Liquid. C. H. Von Hohenstein. No. 1,111,509; Sept. 22; Gaz. vol. 206; p. 1057.
- Hydrocarbon-burning apparatus. J. D. Boley and H. K. Fairall. No. 1,117,773; Nov. 17; Gaz. vol. 208; p. 886.
- Hydrocarbon-engine. W. R. Hallett. No. 1,106,043; Aug. 4; Gaz. vol. 205; p. 160.
- Hydrocarbon-engine. A. J. Watts. No. 1,090,260; Mar. 17; Gaz. vol. 200; p. 635.
- Hydrocarbon-engine. H. O. Westendarp. No. 1,107,636; Aug. 18; Gaz. vol. 205; p. 810.
- Hydrocarbon-engine. W. D. C. Wright. No. 1,086,634; Feb. 10; Gaz. vol. 199; p. 414.
- Hydrocarbon-engine cut-out valve. F. C. Schoenthal. No. 1,119,322; Dec. 1; Gaz. vol. 209; p. 145.
- Hydrocarbon-fuel burner. J. C. Simmons. No. 1,098,184; May 26; Gaz. vol. 202; p. 1160.
- Hydrocarbon liquids and the material for effecting such results. Increasing the efficiency of. A. W. Swanberg. No. 1,092,461; Apr. 7; Gaz. vol. 201; p. 117.
- Hydrocarbon-motor. R. Huff. No. 1,087,018; Feb. 10; Gaz. vol. 199; p. 544.
- Hydrocarbon-motor. R. Huff. No. 1,104,423; July 21; Gaz. vol. 204; p. 850.
- Hydrocarbon-motor. R. Huff. No. 1,112,536; Oct. 6; Gaz. vol. 207; p. 44.
- Hydrocarbon-motor. R. Huff. No. 1,122,121; Dec. 22; Gaz. vol. 209; p. 1240.
- Hydrocarbon-motor. A. Loomis. No. 1,122,138; Dec. 22; Gaz. vol. 209; p. 1246.
- Hydrocarbon-motor. G. L. McCain. No. 1,100,083; June 16; Gaz. vol. 203; p. 669.
- Hydrocarbon-motor. S. D. Waldon. No. 1,122,048; Dec. 22; Gaz. vol. 209; p. 1218.
- Hydrocarbons. Distilling. R. E. Humphreys. No. 1,119,700; Dec. 1; Gaz. vol. 209; p. 275.
- Hydrocarbons. Manufacturing erythrene. I. Ostromislensky. No. 1,108,781; Aug. 25; Gaz. vol. 205; p. 1254.
- Hydrocarbons. Obtaining liquid. E. Schill. No. 1,100,260; June 16; Gaz. vol. 203; p. 730.
- Hydrocarbons. Obtaining liquid. E. Schill. (Reissue.) No. 13,829; Nov. 17; Gaz. vol. 208; p. 953.
- Hydrocarbons. Producing unsaturated terpene. E. Bergs. No. 1,091,276; Mar. 24; Gaz. vol. 200; p. 1015.
- Hydrocarbons. Purification of liquid. F. Richter. No. 1,098,764; June 2; Gaz. vol. 203; p. 138.
- Hydrocarbons. Purifying. F. Richter. No. 1,098,763; June 2; Gaz. vol. 203; p. 138.
- Hydrochloric-acid-pickle liquors, Apparatus for treating waste. G. H. Starck. No. 1,090,173; Mar. 17; Gaz. vol. 200; p. 604.
- Hydrodynamic balance. E. F. Fisher. (Reissue.) No. 13,702; Mar. 24; Gaz. vol. 200; p. 1077.
- Hydroflying-machine. E. Forlanini. No. 1,112,405; Sept. 29; Gaz. vol. 206; p. 1405.
- Hydroflying-motor. M. Tibbetts. No. 1,111,773; Sept. 29; Gaz. vol. 206; p. 1186.
- Hydrogen and apparatus therefor. Producing. C. Bosch. No. 1,102,716; July 7; Gaz. vol. 204; p. 172.
- Hydrogen, Apparatus for generating and carbureting. C. V. Stuart. No. 1,085,366; Jan. 27; Gaz. vol. 198; p. 802.
- Hydrogen by autocombustion. Preparation of. G. F. Jaubert. No. 1,099,446; June 9; Gaz. vol. 203; p. 413.
- Hydrogen by means of iron. Generation of. A. Messerschmitt. No. 1,109,447; Sept. 1; Gaz. vol. 206; p. 209.
- Hydrogen. Generating. C. Ellis. No. 1,092,903; Apr. 14; Gaz. vol. 201; p. 302.
- Hydrogen. Manufacture of. A. Messerschmitt. No. 1,109,448; Sept. 1; Gaz. vol. 206; p. 209.
- Hydrogen or hydrogen-containing gas mixtures to reaction and apparatus therefor. Process of bringing. M. Pier. No. 1,090,874; Mar. 24; Gaz. vol. 200; p. 876.
- Hydrogen peroxid and making the same. Stabile. A. Schaidhauf. No. 1,109,791; Sept. 8; Gaz. vol. 206; p. 370.
- Hydrogen peroxid, Manufacture of. H. Henkel and W. Weber. No. 1,108,752; Aug. 25; Gaz. vol. 205; p. 1245.
- Hydrogen peroxid, Producing. A. Pietzsch and G. Adolph. No. 1,083,888; Jan. 6; Gaz. vol. 198; p. 204.
- Hydrogen. Producing. C. Bosch and W. Wild. No. 1,113,096; Oct. 6; Gaz. vol. 207; p. 236.
- Hydrogen. Producing. C. Bosch and W. Wild. No. 1,113,097; Oct. 6; Gaz. vol. 207; p. 236.
- Hydrogen. Producing. C. Bosch and W. Wild. No. 1,115,776; Nov. 3; Gaz. vol. 208; p. 104.
- Hydrogen. Producing. A. R. Frank. No. 1,107,926; Aug. 18; Gaz. vol. 205; p. 910.
- Hydrogen. Producing. B. Spitzer. No. 1,118,595; Nov. 24; Gaz. vol. 208; p. 1213.
- Hydrogen. Producing the materials for generating. S. Ueyeno. No. 1,120,768; Dec. 15; Gaz. vol. 209; p. 734.
- Hydrogen under pressure. Working with. C. Bosch. No. 1,086,130; Feb. 3; Gaz. vol. 199; p. 197.
- Hydrogenated product. C. Ellis. No. 1,087,161; Feb. 17; Gaz. vol. 199; p. 645.
- Hydrogenating unsaturated compounds, Process and apparatus for. H. K. Moore. No. 1,121,860; Dec. 22; Gaz. vol. 209; p. 1152.
- Hydroplanes. Elevator attachment for. R. F. Hommel. No. 1,098,627; June 2; Gaz. vol. 203; p. 93.
- Hydrous alkali-metal silicate and producing it. E. A. Paterson. No. 1,111,918; Sept. 29; Gaz. vol. 206; p. 1239.
- Hygrometer. Indicating and recording. W. H. Bristol. No. 1,098,472; June 2; Gaz. vol. 203; p. 40.
- Hygrostat. V. F. Davis. No. 1,088,972; Mar. 3; Gaz. vol. 200; p. 103.
- Hypodermic case. G. H. Elwell. No. 1,113,890; Oct. 13; Gaz. vol. 207; p. 559.
- Hypodermic needle. F. R. Hart. No. 1,100,181; June 16; Gaz. vol. 203; p. 703.
- Hypodermic-solution holder. C. N. Cummings. No. 1,100,010; June 16; Gaz. vol. 203; p. 643.
- I-beam switch. Electrically-operated. S. H. Libby. No. 1,091,677; Mar. 31; Gaz. vol. 200; p. 1193.
- Ice-box. E. Ellis. No. 1,111,446; Sept. 22; Gaz. vol. 206; p. 1035.
- Ice-box. J. W. N. Thies. No. 1,106,167; Aug. 4; Gaz. vol. 205; p. 204.
- Ice-box drip-pans. Alarm device for. H. Silver. No. 1,091,593; Mar. 31; Gaz. vol. 200; p. 1163.
- Ice-boxes. Ice-weighing attachment for. C. J. Woodhouse. No. 1,097,497; May 19; Gaz. vol. 202; p. 876.
- Ice-boxes, refrigerators, and the like. Lid-mover for. B. White. No. 1,109,723; Sept. 8; Gaz. vol. 206; p. 348.
- Ice-boxes. Weighing attachment for. O. E. McCumber. No. 1,094,581; Apr. 28; Gaz. vol. 201; p. 968.
- Ice-can. J. W. Orr. No. 1,084,956; Jan. 20; Gaz. vol. 198; p. 624.
- Ice-can fastener for ice plants. W. C. Drake. No. 1,106,637; Aug. 11; Gaz. vol. 205; p. 412.
- Ice-can. Nesting. F. F. Bentley. No. 1,118,624; Nov. 24; Gaz. vol. 208; p. 1223.
- Ice card or signal. O. Schmachtenberger. No. 1,083,706; Jan. 6; Gaz. vol. 198; p. 148.
- Ice-cream center-mold. W. W. Cassell. No. 1,094,878; Apr. 28; Gaz. vol. 201; p. 1074.
- Ice-cream cone and protector therefor. J. A. Cook. No. 1,094,427; Apr. 28; Gaz. vol. 201; p. 914.
- Ice-cream-cone scoop. C. N. and C. J. Jager. No. 1,112,802; Oct. 6; Gaz. vol. 207; p. 137.
- Ice-cream-cone-trimming mechanism. F. A. Bruckman. No. 1,119,239; Dec. 1; Gaz. vol. 209; p. 117.
- Ice-cream dipper. E. C. Baughman. No. 1,120,888; Dec. 15; Gaz. vol. 209; p. 776.
- Ice-cream dipper. T. C. Fuqua. No. 1,121,489; Dec. 15; Gaz. vol. 209; p. 984.
- Ice-cream dish and holder. R. Sweers. No. 1,105,715; Aug. 4; Gaz. vol. 205; p. 46.
- Ice-cream disher. R. B. Gilchrist. No. 1,109,576; Sept. 1; Gaz. vol. 206; p. 251.
- Ice-cream disher. R. B. Gilchrist. No. 1,109,579; Sept. 1; Gaz. vol. 206; p. 253.
- Ice-cream dispenser. C. Deering, Jr. No. 1,091,643; Mar. 31; Gaz. vol. 200; p. 1181.
- Ice-cream freezer. H. J. Brielmaier. No. 1,114,104; Oct. 20; Gaz. vol. 207; p. 673.
- Ice-cream freezer. S. Demarco. No. 1,120,037; Dec. 8; Gaz. vol. 209; p. 427.
- Ice-cream freezer. C. S. Meisenhelter. No. 1,113,807; Oct. 13; Gaz. vol. 207; p. 530.
- Ice-cream freezer. R. J. Nielson and A. Campbell. No. 1,121,122; Dec. 15; Gaz. vol. 209; p. 859.
- Ice-cream freezer. J. S. Parrish. No. 1,117,898; Nov. 17; Gaz. vol. 208; p. 927.
- Ice-cream freezer. L. S. Pfouts. No. 1,116,110; Nov. 3; Gaz. vol. 208; p. 221.
- Ice-cream freezer. F. Tyson. No. 1,089,094; Mar. 3; Gaz. vol. 200; p. 144.

Alphabetical list of inventions—Continued.

- Ice-cream-freezer holder. F. Hostetter. No. 1,088,579; Feb. 24; Gaz. vol. 199; p. 1179.
- Ice-cream-freezer holder. F. I. Toepperwein. No. 1,085,572; Jan. 27; Gaz. vol. 198; p. 869.
- Ice-cream freezers, Guard for. J. D. Williams. No. 1,121,439; Dec. 15; Gaz. vol. 209; p. 968.
- Ice-cream ladle. R. B. Gilchrist. No. 1,109,577; Sept. 1; Gaz. vol. 206; p. 252.
- Ice-cream ladle. R. B. Gilchrist. No. 1,109,578; Sept. 1; Gaz. vol. 206; p. 252.
- Ice-cream-making machine. F. P. Miller. No. 1,116,096; Nov. 3; Gaz. vol. 208; p. 216.
- Ice-cream packer. H. G. McLaughlin. No. 1,093,450; Apr. 14; Gaz. vol. 201; p. 488.
- Ice-cream paper cartons, Device for use in filling. L. L. Westling. No. 1,088,498; Feb. 24; Gaz. vol. 199; p. 1153.
- Ice-creeper. C. M. Cole. No. 1,102,646; July 7; Gaz. vol. 204; p. 150.
- Ice-creeper. H. B. Declus. No. 1,098,232; May 26; Gaz. vol. 202; p. 1177.
- Ice-creeper. F. Duhrkopf. No. 1,087,000; Feb. 10; Gaz. vol. 199; p. 539.
- Ice-creeper. S. R. Wallace. No. 1,116,179; Nov. 3; Gaz. vol. 208; p. 243.
- Ice-crusher. J. Deininger. No. 1,103,132; July 14; Gaz. vol. 204; p. 364.
- Ice-crusher. C. J. Miller. No. 1,112,464; Oct. 6; Gaz. vol. 207; p. 17.
- Ice crusher or grater. J. Melisch. No. 1,092,658; Apr. 7; Gaz. vol. 201; p. 184.
- Ice-cutter. J. A. Kreeger. No. 1,106,225; Aug. 4; Gaz. vol. 205; p. 222.
- Ice-cutting machine. A. Currie. No. 1,104,634; July 21; Gaz. vol. 204; p. 925.
- Ice-cutting machine. F. Gehrke. No. 1,102,904; July 7; Gaz. vol. 204; p. 236.
- Ice-cutting machine. L. M. Macy. No. 1,102,989; July 7; Gaz. vol. 204; p. 265.
- Ice-cutting machine. S. O. Marak. No. 1,106,955; Aug. 11; Gaz. vol. 205; p. 524.
- Ice-cutting machine. H. W. Morrow. No. 1,100,687; June 16; Gaz. vol. 203; p. 872.
- Ice-cutting machine. N. B. Quick. No. 1,096,860; May 19; Gaz. vol. 202; p. 653.
- Ice-cutting machine. W. C. Williams. No. 1,087,476; Feb. 17; Gaz. vol. 199; p. 757.
- Ice-cutting machine. E. Wright. No. 1,094,396; Apr. 21; Gaz. vol. 201; p. 844.
- Ice, Device for preventing the accumulation of needle. A. Mann. No. 1,086,831; Feb. 10; Gaz. vol. 199; p. 483.
- Ice from raw water, Apparatus for producing crystal. G. H. Fisher. No. 1,113,111; Oct. 6; Gaz. vol. 207; p. 241.
- Ice-harvester. E. E. Stoner. No. 1,115,613; Nov. 3; Gaz. vol. 208; p. 50.
- Ice-harvesting machine. E. Lake. No. 1,102,277; July 7; Gaz. vol. 204; p. 20.
- Ice-house. C. A. P. Turner. No. 1,106,854; Aug. 11; Gaz. vol. 205; p. 488.
- Ice-machine. C. C. Hansen and A. P. Anderson. No. 1,117,186; Nov. 17; Gaz. vol. 208; p. 677.
- Ice, Making. W. S. Osborne. No. 1,104,920; July 28; Gaz. vol. 204; p. 1073.
- Ice-making and refrigerating machine. W. Graaff. No. 1,097,312; May 19; Gaz. vol. 202; p. 813.
- Ice-making and refrigerating machinery. T. Shipley. No. 1,087,052; Feb. 10; Gaz. vol. 199; p. 556.
- Ice-making apparatus. C. O. Dawson. No. 1,120,604; Dec. 8; Gaz. vol. 209; p. 628.
- Ice-making apparatus. A. Faget. No. 1,091,919; Mar. 31; Gaz. vol. 200; p. 1278.
- Ice-making apparatus. W. E. Parsons. No. 1,087,605; Feb. 17; Gaz. vol. 199; p. 801.
- Ice-making apparatus. W. E. Parsons. No. 1,117,698; Nov. 17; Gaz. vol. 208; p. 859.
- Ice-making apparatus, Pneumatic agitator for. F. L. Berry. No. 1,113,298; Oct. 13; Gaz. vol. 207; p. 352.
- Ice-making machine. W. Graaff. No. 1,101,694; June 30; Gaz. vol. 203; p. 1328.
- Ice-manufacturing apparatus. L. C. Bond. No. 1,099,011; June 2; Gaz. vol. 203; p. 221.
- Ice-pick. E. W. Fishburne. No. 1,122,893; Dec. 29; Gaz. vol. 209; p. 1548.
- Ice-pick. S. D. Hughes. No. 1,094,569; Apr. 28; Gaz. vol. 201; p. 964.
- Ice pick, shaver, and chipper. A. S. Carter. No. 1,114,447; Oct. 20; Gaz. vol. 207; p. 796.
- Ice-rest and water-cooler. W. F. Keyes. (Reissue.) No. 13,679; Jan. 20; Gaz. vol. 198; p. 675.
- Ice-saw. W. F. Moore. No. 1,115,087; Oct. 27; Gaz. vol. 207; p. 1074.
- Ice-sawing machine. C. Y. Akes. No. 1,091,997; Mar. 31; Gaz. vol. 200; p. 1303.
- Ice-shaver. C. A. Horn. No. 1,107,070; Aug. 11; Gaz. vol. 205; p. 560.
- Ice-tongs. R. Pattison. No. 1,114,179; Oct. 20; Gaz. vol. 207; p. 701.
- Ice-tongs, Single-jointed. H. W. Ely. No. 1,090,039; Mar. 10; Gaz. vol. 200; p. 516.
- Ice-tongs, Weighing attachment for. D. Henderson. No. 1,107,422; Aug. 18; Gaz. vol. 205; p. 735.
- Identifying persons at a business, negotiations, and the like, Controlling device for subsequently. A. Ilg. No. 1,094,073; Apr. 21; Gaz. vol. 201; p. 738.
- Igniter. H. Buttner. No. 1,083,272; Jan. 6; Gaz. vol. 198; p. 4.
- Igniter. K. D. Camp. No. 1,102,241; July 7; Gaz. vol. 204; p. 7.
- Igniter. A. B. Herrick. No. 1,112,795; Oct. 6; Gaz. vol. 207; p. 135.
- Igniter. H. C. Thomson and H. N. Michaelsen. No. 1,106,525; Aug. 11; Gaz. vol. 205; p. 372.
- Igniter, Flash-. A. O. Rutz. No. 1,101,146; June 23; Gaz. vol. 203; p. 1089.
- Igniter, Fuel-. C. N. Crafton. No. 1,123,103; Dec. 29; Gaz. vol. 209; p. 1621.
- Igniter, Fuse-. R. A. W. Kramptitz. No. 1,101,292; June 23; Gaz. vol. 203; p. 1139.
- Igniter, Make-and-break. G. O. Thompson. No. 1,102,365; July 7; Gaz. vol. 204; p. 49.
- Igniter mechanism. E. C. Wilcox and B. L. Lawton. No. 1,113,850; Oct. 13; Gaz. vol. 207; p. 545.
- Igniter, Sparking. M. E. Winans. No. 1,104,092; July 21; Gaz. vol. 204; p. 738.
- Igniting apparatus, Electrical. W. H. Cotton. No. 1,101,256; June 23; Gaz. vol. 203; p. 1126.
- Igniting device. G. W. Auringer. No. 1,086,697; Feb. 10; Gaz. vol. 199; p. 435.
- Igniting device. L. E. Brandon. No. 1,110,611; Sept. 15; Gaz. vol. 206; p. 703.
- Igniting device. W. B. Goodwin. No. 1,085,082; Jan. 20; Gaz. vol. 198; p. 666.
- Igniting device. J. R. Valliant. No. 1,093,217; Apr. 14; Gaz. vol. 201; p. 410.
- Ignition apparatus. P. H. Hawker and I. J. Reuter. No. 1,109,064; Sept. 1; Gaz. vol. 206; p. 74.
- Ignition apparatus. H. Lyon. No. 1,101,648; June 30; Gaz. vol. 203; p. 1313.
- Ignition apparatus. H. Lyon. No. 1,118,941; Dec. 1; Gaz. vol. 209; p. 12.
- Ignition apparatus. J. A. Williams. No. 1,092,417; Apr. 7; Gaz. vol. 201; p. 101.
- Ignition-coil. E. Eiseemann. No. 1,108,892; Sept. 1; Gaz. vol. 206; p. 10.
- Ignition device. S. N. Ayres. No. 1,108,665; Aug. 25; Gaz. vol. 205; p. 1216.
- Ignition device. J. Berg. No. 1,094,051; Apr. 21; Gaz. vol. 201; p. 730.
- Ignition device. F. M. Leavitt. No. 1,088,911; Mar. 3; Gaz. vol. 200; p. 81.
- Ignition device. T. J. Loftus. No. 1,118,563; Nov. 24; Gaz. vol. 208; p. 1201.
- Ignition device. H. Lyon. No. 1,118,942; Dec. 1; Gaz. vol. 209; p. 13.
- Ignition device. G. B. Reischach. No. 1,096,459; May 12; Gaz. vol. 202; p. 474.
- Ignition device, Magneto. F. Schröter and F. L. Mädler. No. 1,104,835; July 28; Gaz. vol. 204; p. 1043.
- Ignition-dynamo. C. T. Mason. No. 1,105,361; July 28; Gaz. vol. 204; p. 1229.
- Ignition-machine coupling. G. Honold. No. 1,105,660; Aug. 4; Gaz. vol. 205; p. 26.
- Ignition of reversible internal-combustion motors, Apparatus for. G. Honold. No. 1,105,787; Aug. 4; Gaz. vol. 205; p. 70.
- Ignition-plug. A. R. Bullock. No. 1,091,451; Mar. 24; Gaz. vol. 200; p. 1070.
- Ignition system. C. F. Kettering. No. 1,102,593; July 7; Gaz. vol. 204; p. 131.
- Ignition system. L. Krieger. No. 1,121,025; Dec. 15; Gaz. vol. 209; p. 823.
- Ignition system. E. C. Wilcox. No. 1,106,432; Aug. 11; Gaz. vol. 205; p. 336.
- Ignition systems, Apparatus for automatically adjusting the sparking period of. A. Dlemer. No. 1,105,628; Aug. 4; Gaz. vol. 205; p. 14.
- Ignition systems, Starter-switch for dual. G. W. Wacker. No. 1,089,167; Mar. 3; Gaz. vol. 200; p. 172.
- Ignition systems, Testing device for jump-spark. T. H. Estes. No. 1,084,932; Jan. 20; Gaz. vol. 198; p. 616.
- Illuminated fountain. S. Lechner. No. 1,083,449; Jan. 6; Gaz. vol. 198; p. 64.
- Illuminated indicator. S. W. Brown and W. H. Michael. No. 1,106,361; Aug. 11; Gaz. vol. 205; p. 312.
- Illuminating apparatus. H. P. Dexheimer and W. H. Clifford. No. 1,109,206; Sept. 1; Gaz. vol. 206; p. 124.
- Illuminating appliance. V. Lansingh. No. 1,090,076; Mar. 10; Gaz. vol. 200; p. 528.
- Illuminating device. A. W. Beuttell. No. 1,107,649; Aug. 18; Gaz. vol. 205; p. 816.
- Illuminating device. G. T. Fielding. No. 1,105,414; July 28; Gaz. vol. 204; p. 1247.
- Illuminating device. P. M. Hotchkin. No. 1,100,880; June 23; Gaz. vol. 203; p. 995.
- Illuminating device. E. O. Schweitzer. No. 1,098,592; June 2; Gaz. vol. 203; p. 82.
- Illuminating device, Pyrotechnical. E. Hyra and K. Klinkosch. No. 1,095,869; May 5; Gaz. vol. 202; p. 236.

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- Illumination, Automatic apparatus for controlling the period of artificial. J. H. Gill. No. 1,097,176; May 19; Gaz. vol. 202; p. 765.
 Illuminator. W. D. Ryan. No. 1,091,710; Mar. 31; Gaz. vol. 200; p. 1204.
 Illusion apparatus. N. H. Clarke. No. 1,103,485; July 14; Gaz. vol. 204; p. 484.
 Illusion apparatus. R. Imhof. No. 1,095,637; May 5; Gaz. vol. 202; p. 158.
 Illusion apparatus for theatrical and amusement purposes. T. R. Barrett. No. 1,110,665; Sept. 15; Gaz. vol. 206; p. 723.
 Illusion apparatus, Theatrical. H. Goldin. No. 1,116,882; Nov. 10; Gaz. vol. 208; p. 533.
 Illusory effects, Producing. L. McCormick. No. 1,093,711; Apr. 21; Gaz. vol. 201; p. 619.
 Image-projector. W. Sams. No. 1,117,252; Nov. 17; Gaz. vol. 208; p. 701.
 Imitation house. E. C. Yauck. No. 1,110,093; Sept. 8; Gaz. vol. 206; p. 479.
 Immersion-heater. E. J. Ovington. No. 1,117,950; Nov. 17; Gaz. vol. 208; p. 945.
 Impact mechanism. J. H. Baldwin. No. 1,120,360; Dec. 8; Gaz. vol. 209; p. 542.
 Impervious bag. M. Smetana. No. 1,092,601; Apr. 7; Gaz. vol. 201; p. 165.
 Implement, Hand. C. P. Bilson. No. 1,104,470; July 21; Gaz. vol. 204; p. 867.
 Implement-handle. W. C. Rogers. No. 1,116,739; Nov. 10; Gaz. vol. 208; p. 481.
 Impregnator. B. Clough. No. 1,093,538; Apr. 14; Gaz. vol. 201; p. 514.
 Impregnating apparatus. B. G. Vaughan. No. 1,116,649; Nov. 10; Gaz. vol. 208; p. 451.
 Impregnating porous material, Apparatus for. W. J. Frame and H. L. Galloway. No. 1,104,488; July 21; Gaz. vol. 204; p. 874.
 Impression-cup. L. Robertson. No. 1,099,101; June 2; Gaz. vol. 203; p. 248.
 Impression or transfer device. C. H. Bright, Jr. No. 1,104,617; July 21; Gaz. vol. 204; p. 919.
 Impulse-transmitter, Selective. J. A. Walton. No. 1,100,413; June 16; Gaz. vol. 203; p. 784.
 Incandescent-bulb remover and replacer. F. H. Printiss. No. 1,121,759; Dec. 22; Gaz. vol. 209; p. 1114.
 Incandescent burner. B. C. Mudge. No. 1,120,219; Dec. 8; Gaz. vol. 209; p. 493.
 Incandescent-light attachment. J. A. Burkley. No. 1,100,471; June 16; Gaz. vol. 203; p. 803.
 Incandescent mantle. A. Herskovitz. No. 1,107,518; Aug. 18; Gaz. vol. 205; p. 768.
 Incandescent mantles, Manufacture of. E. L. Knoedler. No. 1,122,951; Dec. 29; Gaz. vol. 209; p. 1567.
 Incinerating-furnace. P. F. Dundon. No. 1,095,493; May 5; Gaz. vol. 202; p. 110.
 Incinerating refuse material, Apparatus for. T. E. Wasley. No. 1,094,503; Apr. 28; Gaz. vol. 201; p. 942.
 Incinerator. F. W. Cappelen. No. 1,110,888; Sept. 15; Gaz. vol. 206; p. 801.
 Incinerator. F. W. Cappelen. No. 1,110,889; Sept. 15; Gaz. vol. 206; p. 802.
 Incinerator. F. W. Cappelen. No. 1,110,890; Sept. 15; Gaz. vol. 206; p. 802.
 Incinerator. J. Conley. No. 1,093,829; Apr. 21; Gaz. vol. 201; p. 657.
 Incinerator. P. Golden. No. 1,103,956; July 21; Gaz. vol. 204; p. 691.
 Incinerator. S. P. Rezendez. No. 1,113,049; Oct. 6; Gaz. vol. 207; p. 220.
 Incinerator. M. H. Rice. No. 1,093,592; Apr. 14; Gaz. vol. 201; p. 533.
 Incinerator. J. B. Ricketts. No. 1,106,317; Aug. 4; Gaz. vol. 205; p. 252.
 Incinerator. O. M. Shannon. No. 1,096,568; May 12; Gaz. vol. 202; p. 510.
 Incinerator. E. N. Stacy. No. 1,114,199; Oct. 20; Gaz. vol. 207; p. 708.
 Incinerator for garbage, excrement, &c. A. L. Schellhammer. No. 1,092,080; Mar. 31; Gaz. vol. 200; p. 1330.
 Incinerator for garbage, excrement, &c. A. L. Schellhammer. No. 1,106,732; Aug. 11; Gaz. vol. 205; p. 445.
 Incline safety-catch. S. Morris. No. 1,109,693; Sept. 8; Gaz. vol. 206; p. 337.
 Incubator. G. C. Bess. No. 1,105,176; July 28; Gaz. vol. 204; p. 1160.
 Incubator. C. Beville. No. 1,085,527; Jan. 27; Gaz. vol. 198; p. 854.
 Incubator. L. C. Byce. No. 1,110,532; Sept. 15; Gaz. vol. 206; p. 675.
 Incubator. W. A. Dyer. No. 1,122,705; Dec. 29; Gaz. vol. 209; p. 1482.
 Incubator. H. F. Faupel. No. 1,086,811; Feb. 10; Gaz. vol. 199; p. 476.
 Incubator. E. C. Hays. No. 1,101,742; June 30; Gaz. vol. 203; p. 1343.
 Incubator. I. R. Jones. No. 1,084,345; Jan. 13; Gaz. vol. 198; p. 390.
 Incubation. S. A. Merkley. No. 1,091,859; Mar. 31; Gaz. vol. 200; p. 1258.
 Incubator. J. O. Olson. No. 1,100,146; June 16; Gaz. vol. 203; p. 691.
 Incubator. J. O. Olson. No. 1,119,630; Dec. 1; Gaz. vol. 209; p. 252.
 Incubator. W. Schwalge. No. 1,114,297; Oct. 20; Gaz. vol. 207; p. 743.
 Incubator. J. L. Shute. No. 1,117,919; Nov. 17; Gaz. vol. 208; p. 934.
 Incubator. E. L. Tupper. No. 1,095,248; May 5; Gaz. vol. 202; p. 25.
 Incubator. T. Wilson. No. 1,093,231; Apr. 14; Gaz. vol. 201; p. 415.
 Incubator and brooder. W. C. Fischer. No. 1,103,189; July 14; Gaz. vol. 204; p. 385.
 Incubator and brooder. L. J. Isenhour. No. 1,106,451; Aug. 11; Gaz. vol. 205; p. 344.
 Incubator and brooder. E. C. Madary. No. 1,119,090; Dec. 1; Gaz. vol. 209; p. 67.
 Incubator and brooder, Combined. H. A. Teegarden. No. 1,086,098; Feb. 3; Gaz. vol. 199; p. 187.
 Incubator and brooder, Combined. H. A. Teegarden. No. 1,086,954; Feb. 10; Gaz. vol. 199; p. 524.
 Incubator, Electric. E. F. A. Carey. No. 1,113,955; Oct. 20; Gaz. vol. 207; p. 621.
 Incubator-heating system. L. W. Emler. No. 1,083,674; Jan. 6; Gaz. vol. 198; p. 138.
 Incubator temperature-indicator. M. L. Rouse. No. 1,111,182; Sept. 22; Gaz. vol. 206; p. 946.
 Incubator-tray. K. J. Hooker. No. 1,116,704; Nov. 10; Gaz. vol. 208; p. 471.
 Incubators, Egg-tray for. H. H. Nichols. No. 1,115,236; Oct. 27; Gaz. vol. 207; p. 1128.
 Incubators, Egg-turning device for. A. H. Nielsen. No. 1,107,201; Aug. 11; Gaz. vol. 205; p. 608.
 Incubators, Egg-turning tray for. H. A. Templeton and A. A. Bailey. No. 1,083,469; Jan. 6; Gaz. vol. 198; p. 71.
 Incubators, Heating element for. J. L. Shute. No. 1,114,393; Oct. 20; Gaz. vol. 207; p. 776.
 Incubators, Moisture-supplying device for. D. O. Lager. No. 1,118,783; Nov. 24; Gaz. vol. 208; p. 1275.
 Incubators, Revolving egg-support for. J. H. Copass and R. B. Perkins. No. 1,115,285; Oct. 27; Gaz. vol. 207; p. 1143.
 Incubators, Sliding bottom for. C. L. Vetter. No. 1,109,269; Sept. 1; Gaz. vol. 206; p. 146.
 Index. F. C. Sheldon. No. 1,084,665; Jan. 20; Gaz. vol. 198; p. 524.
 Index. C. I. Wagner. No. 1,111,931; Sept. 29; Gaz. vol. 206; p. 1242.
 Index. C. H. Wiley. No. 1,089,890; Mar. 10; Gaz. vol. 200; p. 464.
 Index and folder, Extension-. W. A. Overbeck. No. 1,083,854; Jan. 6; Gaz. vol. 198; p. 194.
 Index box, Card-. W. W. Day. No. 1,110,748; Sept. 15; Gaz. vol. 206; p. 751.
 Index, Card-. B. G. Chappee. No. 1,118,184; Nov. 24; Gaz. vol. 208; p. 1066.
 Index, Card-. C. A. Disbrow and C. S. Boll. No. 1,097,172; May 19; Gaz. vol. 202; p. 764.
 Index, Card-. A. Nyvall. No. 1,099,663; June 9; Gaz. vol. 203; p. 487.
 Index, Card-. A. Nyvall. No. 1,116,909; Nov. 10; Gaz. vol. 208; p. 542.
 Index, Card-. M. A. Repelow. No. 1,105,306; July 28; Gaz. vol. 204; p. 1207.
 Index, Card-. A. C. Warren. No. 1,118,165; Nov. 24; Gaz. vol. 208; p. 1059.
 Index container, Card-. J. E. Ralph. No. 1,114,519; Oct. 20; Gaz. vol. 207; p. 823.
 Index for bound books. E. J. Mills. No. 1,093,286; Apr. 14; Gaz. vol. 201; p. 434.
 Index for loose-leaf ledgers. E. F. Bredehoff. No. 1,100,285; June 16; Gaz. vol. 203; p. 739.
 Index, Open-face slip-. J. P. Norton. No. 1,120,967; Dec. 15; Gaz. vol. 209; p. 802.
 Index or information rack. W. P. De Saussure, Jr., and G. S. Tiffany. No. 1,106,344; Aug. 4; Gaz. vol. 205; p. 261.
 Index, Perpetual. M. M. Cohn. No. 1,090,385; Mar. 17; Gaz. vol. 200; p. 678.
 Index system. F. C. Thomas. No. 1,084,174; Jan. 13; Gaz. vol. 198; p. 334.
 Index-tab. J. Peterson. No. 1,119,869; Dec. 8; Gaz. vol. 209; p. 368.
 Index trays, Follower-block for card-. J. Witmer. No. 1,114,662; Oct. 20; Gaz. vol. 207; p. 870.
 Indexes, Card for card-. J. E. Ralph. No. 1,114,518; Oct. 20; Gaz. vol. 207; p. 822.
 Indexing apparatus. E. S. Davis. No. 1,108,344; Aug. 25; Gaz. vol. 205; p. 1105.
 Indexing device. B. S. Loveland. No. 1,089,654; Mar. 10; Gaz. vol. 200; p. 384.
 Indexing systems, Means employed in. O. G. Pickett. No. 1,106,158; Aug. 4; Gaz. vol. 205; p. 201.
 Indicating device. M. Cornine. No. 1,118,186; Nov. 24; Gaz. vol. 208; p. 1067.
 Indicating device. U. G. Funk. No. 1,087,754; Feb. 17; Gaz. vol. 199; p. 853.
 Indicating device. C. G. Wevat. No. 1,099,106; June 2; Gaz. vol. 203; p. 250.
 Indicating device, Wind-operated. A. Rohbeck. No. 1,116,846; Nov. 10; Gaz. vol. 208; p. 521.

Alphabetical list of inventions—Continued.

- Indicating devices, Apparatus for compensating for expansion of flow in. T. French. No. 1,090,468; Mar. 17; Gaz. vol. 200; p. 708.
- Indicating-gage. A. P. Criswell. No. 1,097,393; May 19; Gaz. vol. 202; p. 841.
- Indicating mechanism. C. F. Kettering. No. 1,116,440; Nov. 10; Gaz. vol. 208; p. 372.
- Indicating mechanism. A. A. Kreuter and E. D. Dennis. No. 1,101,636; June 30; Gaz. vol. 203; p. 1310.
- Indicator: See Acceleration-indicator; Adjustable indicator; Automobile-indicator; Automobile speed-indicator; Boiler-indicator; Bottle-indicator; Bridge-warning-indicator; Car-indicator; Center-indicator; Chronometric-spring indicator; Churn-indicator; Coherer discharge-indicator; Copy-holder line-indicator; Deflation-indicator; Direction-indicator; Dose-indicator; Electric indicator; Electric-current indicator; Elevator-indicator; Engine-indicator; Fare-indicator; Filing-appliance indicator; Film-magazine indicator; Flow-indicator; Game-indicator; Gas-indicator; Gasolene-level indicator; Geographic-position indicator; Illuminated indicator; Incubator temperature-indicator; Leakage-indicator; Line-indicator; Liquid-level indicator; Load-indicator; Log and stream indicator; Memorandum-indicator; Mile, speed, curve, and danger indicator; Oil-indicator; Poison-indicator; Potential-indicator; Pressure-indicator; Rail-indicator; Resistance-indicator; Rudder-indicator; Shoal-indicator; Smoke-indicator; Spark-indicator; Speed-indicator; Speedometer-indicator; Station-indicator; Street-indicator; Street and station indicator; Street or station indicator; Surface-indicator; Switch-indicator; Synchronous indicator; Tail-light frontal indicator; Tank-indicator; Telephone-indicator; Temperature-indicator; Time-indicator; Tire-pressure indicator; Tire-trouble indicator; Vacuum-indicator; Valve-indicator; Vehicle-indicator; Vehicle road-indicator; Vehicle service-indicator; Vessel-indicator; Water-level indicator; Winding-indicator.
- Indicator. V. G. Apple and G. B. Sayre. No. 1,100,341; June 16; Gaz. vol. 203; p. 757.
- Indicator. J. T. Campbell. No. 1,108,489; Aug. 25; Gaz. vol. 205; p. 1156.
- Indicator. A. G. Cash. No. 1,108,697; Aug. 25; Gaz. vol. 205; p. 1226.
- Indicator. A. B. Hazard. No. 1,093,621; Apr. 21; Gaz. vol. 201; p. 586.
- Indicator. L. E. Nordhop. No. 1,122,023; Dec. 22; Gaz. vol. 209; p. 1209.
- Indicator. W. K. Porter. No. 1,087,824; Feb. 17; Gaz. vol. 199; p. 877.
- Indicator. J. B. Purvis. No. 1,114,517; Oct. 20; Gaz. vol. 207; p. 822.
- Indicator-coupling. L. Abadie. No. 1,085,836; Feb. 3; Gaz. vol. 199; p. 91.
- Indicator-driving mechanism. A. Loomis. No. 1,087,171; Feb. 17; Gaz. vol. 199; p. 648.
- Indicator-lock. E. Tyden. No. 1,093,662; Apr. 21; Gaz. vol. 201; p. 600.
- Indicator mechanism. F. Huttenlocher and R. Laufer. No. 1,114,362; Oct. 20; Gaz. vol. 207; p. 764.
- Indigo vat, Preparation suitable for the. A. Schmidt and A. Steindorff. No. 1,096,060; May 12; Gaz. vol. 202; p. 338.
- Induction-coll. A. Plecher. No. 1,091,589; Mar. 31; Gaz. vol. 200; p. 1162.
- Induction-coil. G. D. Rogers. No. 1,119,119; Dec. 1; Gaz. vol. 209; p. 77.
- Induction-coil. D. H. Wilson. No. 1,117,293; Nov. 17; Gaz. vol. 208; p. 716.
- Induction-coil casing. H. D. Grinnell. No. 1,117,837; Nov. 17; Gaz. vol. 208; p. 908.
- Induction-generator. F. E. Norton and F. A. Wilson. No. 1,084,594; Jan. 13; Gaz. vol. 198; p. 474.
- Induction-motor. E. F. W. Alexanderson. No. 1,119,741; Dec. 1; Gaz. vol. 209; p. 288.
- Induction-motor. R. E. Hellmund. No. 1,116,424; Nov. 10; Gaz. vol. 208; p. 367.
- Induction-motor. C. L. Spinney. No. 1,091,713; Mar. 31; Gaz. vol. 200; p. 1205.
- Induction-motors, Secondary winding for. T. Hooch. No. 1,096,243; May 12; Gaz. vol. 202; p. 400.
- Induction-motors, Squirrel-cage winding for. T. Hooch. No. 1,096,840; May 19; Gaz. vol. 202; p. 645.
- Inductive disturbances, Neutralizing. E. F. W. Alexanderson. No. 1,120,992; Dec. 15; Gaz. vol. 209; p. 811.
- Inductor-alternator. E. Podlešák. No. 1,098,754; June 2; Gaz. vol. 203; p. 135.
- Inductor-magneto alternator. L. J. Le Pontois. No. 1,098,452; June 2; Gaz. vol. 203; p. 34.
- Indurated articles, Producing. J. W. Aylsworth. No. 1,111,286; Sept. 22; Gaz. vol. 206; p. 981.
- Indurated-fiber article. J. Peterson. No. 1,097,666; May 26; Gaz. vol. 202; p. 978.
- Indurated keratin compound. B. B. Goldsmith. No. 1,114,981; Oct. 27; Gaz. vol. 207; p. 1036.
- Industrial objects from volcanic or other fusible rock, Manufacture of. F. Ribbe. No. 1,108,007; Aug. 18; Gaz. vol. 205; p. 939.
- Infant sling-support. J. Heath and F. J. Boyle. No. 1,109,065; Sept. 1; Gaz. vol. 206; p. 74.
- Inflatable bodies, Closure for. T. W. Miller. No. 1,098,286; May 26; Gaz. vol. 202; p. 1197.
- Inflatable playground-ball. L. T. Hoffman. No. 1,098,384; June 2; Gaz. vol. 203; p. 9.
- Inflating device. R. Barnfather. No. 1,105,057; July 28; Gaz. vol. 204; p. 1120.
- Inflating device. S. E. Bennett. No. 1,105,608; Aug. 4; Gaz. vol. 205; p. 7.
- Influence-machine. B. E. Baker. No. 1,086,010; Feb. 3; Gaz. vol. 199; p. 154.
- Infolding-machine. E. B. Fenby. No. 1,111,649; Sept. 22; Gaz. vol. 206; p. 1106.
- Infusible condensation product. L. H. Baekeland. No. 1,088,678; Mar. 3; Gaz. vol. 200; p. 3.
- Ingot-making apparatus. L. E. Howard. No. 1,089,562; Mar. 10; Gaz. vol. 200; p. 352.
- Ingot-making apparatus. L. E. Howard. No. 1,089,563; Mar. 10; Gaz. vol. 200; p. 352.
- Ingot-mold. H. Jouanneau. No. 1,113,017; Oct. 6; Gaz. vol. 207; p. 210.
- Ingot-mold and sink-head therefor. E. Gathmann. No. 1,117,181; Nov. 17; Gaz. vol. 208; p. 675.
- Ingot-mold-making apparatus. C. G. Robinson. No. 1,110,348; Sept. 15; Gaz. vol. 206; p. 610.
- Ingots, Making. L. E. Howard. No. 1,089,560; Mar. 10; Gaz. vol. 200; p. 351.
- Ingots, Making. L. E. Howard. No. 1,089,561; Mar. 10; Gaz. vol. 200; p. 352.
- Ingots, Making. L. W. Southgate. No. 1,083,379; Jan. 6; Gaz. vol. 198; p. 40.
- Ingots, Treating. G. G. Crawford. No. 1,108,862; Aug. 25; Gaz. vol. 205; p. 1284.
- Ingots, Treating. H. W. Hixon. No. 1,101,546; June 30; Gaz. vol. 203; p. 1277.
- Ingots, Treating. H. C. Ryding. No. 1,108,243; Aug. 25; Gaz. vol. 205; p. 1070.
- Inhalation purposes, Apparatus for. H. Bayer. No. 1,120,673; Dec. 15; Gaz. vol. 209; p. 700.
- Inhaler. G. von Ach. No. 1,084,182; Jan. 13; Gaz. vol. 198; p. 337.
- Inhaler. F. Hellman. No. 1,106,214; Aug. 4; Gaz. vol. 205; p. 219.
- Inhaler. C. W. Levalley. No. 1,091,362; Mar. 24; Gaz. vol. 200; p. 1041.
- Inhaler. E. J. Stevens. No. 1,105,934; Aug. 4; Gaz. vol. 205; p. 122.
- Inhaler. C. Wilson. No. 1,085,833; Feb. 3; Gaz. vol. 199; p. 90.
- Inhaler and pencil, Menthol. A. Singer and M. Mesnicoff. No. 1,095,472; May 5; Gaz. vol. 202; p. 103.
- Inhaler-holder. G. Welch. No. 1,098,140; May 26; Gaz. vol. 202; p. 1146.
- Inhaler, Surgical. A. W. Browne and F. L. Wallace. No. 1,109,318; Sept. 1; Gaz. vol. 206; p. 163.
- Inhalers, Bottle-holder for chloroform-. L. Drosin. No. 1,091,308; Mar. 24; Gaz. vol. 200; p. 1025.
- Inhaling device. W. Luxmore. No. 1,115,702; Nov. 3; Gaz. vol. 208; p. 81.
- Inhaling device. B. C. Vaughn. No. 1,084,304; Jan. 13; Gaz. vol. 198; p. 378.
- Injection apparatus, Intravenous. J. L. Owens. No. 1,084,753; Jan. 20; Gaz. vol. 198; p. 556.
- Injection-engine, Divided-spray. L. Yost and C. B. Jahnke. No. 1,096,585; May 12; Gaz. vol. 202; p. 515.
- Injection of drugs, Gravity and syringe apparatus for intravenous. M. Abramovitz. No. 1,086,976; Feb. 10; Gaz. vol. 199; p. 531.
- Injector. E. M. Bassler. No. 1,117,626; Nov. 17; Gaz. vol. 208; p. 831.
- Injector. E. Josse and W. Gensecke. No. 1,119,515; Dec. 1; Gaz. vol. 209; p. 213.
- Injector. L. Kassander. No. 1,084,640; Jan. 20; Gaz. vol. 198; p. 517.
- Injector. E. Koerting. No. 1,111,541; Sept. 22; Gaz. vol. 206; p. 1068.
- Injector. E. Koerting. No. 1,111,542; Sept. 22; Gaz. vol. 206; p. 1068.
- Injector. J. Moret y Gonzales. No. 1,122,148; Dec. 22; Gaz. vol. 209; p. 1250.
- Injector. D. W. Patton. No. 1,120,526; Dec. 8; Gaz. vol. 209; p. 600.
- Injector and auxiliary air-control, Decarbonizing liquid. C. C. Frangopolu. No. 1,109,914; Sept. 8; Gaz. vol. 206; p. 415.
- Ink. E. F. Krapf. No. 1,097,981; May 26; Gaz. vol. 202; p. 1092.
- Ink. T. M. Price. No. 1,088,840; Mar. 3; Gaz. vol. 200; p. 57.
- Ink distributor, Printing-. J. F. Harrell. No. 1,083,680; Jan. 6; Gaz. vol. 198; p. 139.
- Ink-dividing band for rollers. C. H. Davids. No. 1,086,142; Feb. 3; Gaz. vol. 199; p. 201.
- Ink-font. E. E. Angell. No. 1,104,861; July 28; Gaz. vol. 204; p. 1052.
- Ink, Making. R. Hochstetter. No. 1,119,960; Dec. 8; Gaz. vol. 209; p. 400.
- Ink, Making printing-. M. Wolff. No. 1,094,288; Apr. 21; Gaz. vol. 201; p. 808.
- Ink or fluid receptacle. A. S. Peters. No. 1,098,636; June 2; Gaz. vol. 203; p. 96.

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- Ink-pad box. C. Ambruster. No. 1,085,317; Jan. 27; Gaz. vol. 198; p. 786.
- Ink-pad for rubber stamps. F. S. Arter. No. 1,114,328; Oct. 20; Gaz. vol. 207; p. 753.
- Ink-well. A. W. Schirl. No. 1,083,861; Jan. 6; Gaz. vol. 198; p. 196.
- Ink-well. G. J. Sengbusch. No. 1,109,019; Sept. 1; Gaz. vol. 206; p. 58.
- Ink-well. C. E. Tannewitz. No. 1,116,758; Nov. 10; Gaz. vol. 208; p. 489.
- Ink-well. R. P. Tompkins. No. 1,120,170; Dec. 8; Gaz. vol. 209; p. 474.
- Ink-well and calendar-holder, Sheet-metal. W. H. Hall. No. 1,087,118; Feb. 17; Gaz. vol. 199; p. 631.
- Ink well and stand. J. Havassy. No. 1,100,874; June 23; Gaz. vol. 203; p. 993.
- Ink-well holder. G. J. Sengbusch. No. 1,114,922; Oct. 27; Gaz. vol. 207; p. 1016.
- Ink-wells, Pen-cleaner for. J. L. Diven. No. 1,085,249; Jan. 27; Gaz. vol. 198; p. 761.
- Inking apparatus. S. A. Neidich. No. 1,088,717; Mar. 3; Gaz. vol. 200; p. 16.
- Inking machine, Ribbon-. J. M. Schutz. No. 1,115,341; Oct. 27; Gaz. vol. 207; p. 1161.
- Inking mechanism. W. H. Golding. No. 1,108,433; Aug. 25; Gaz. vol. 205; p. 1135.
- Inking mechanism. O. A. Sproggell. No. 1,087,331; Feb. 17; Gaz. vol. 199; p. 705.
- Inking-pad. W. E. Clarke. No. 1,102,721; July 7; Gaz. vol. 204; p. 174.
- Inking system. W. F. Straub. No. 1,116,155; Nov. 3; Gaz. vol. 208; p. 236.
- Inkstand. F. M. Ashley. No. 1,093,677; Apr. 21; Gaz. vol. 201; p. 606.
- Inkstand. F. M. Ashley. No. 1,113,284; Oct. 13; Gaz. vol. 207; p. 347.
- Inkstand. F. M. Ashley. No. 1,113,285; Oct. 13; Gaz. vol. 207; p. 347.
- Inkstand. H. Barczewski. No. 1,096,821; May 19; Gaz. vol. 202; p. 839.
- Inkstand. E. Davis. No. 1,093,770; Apr. 21; Gaz. vol. 201; p. 636.
- Inkstand. E. Davis. No. 1,100,421; June 16; Gaz. vol. 203; p. 787.
- Inkstand. E. Davis. No. 1,113,203; Oct. 13; Gaz. vol. 207; p. 317.
- Inkstand. C. H. Numan. No. 1,116,319; Nov. 3; Gaz. vol. 208; p. 289.
- Inkstand. A. A. Traugott. No. 1,091,026; Mar. 24; Gaz. vol. 200; p. 930.
- Inkstand. J. Volz. No. 1,093,505; Apr. 14; Gaz. vol. 201; p. 504.
- Inner tube. W. M. Reason. No. 1,109,939; Sept. 8; Gaz. vol. 206; p. 424.
- Innersole. E. Drake. No. 1,112,988; Oct. 6; Gaz. vol. 207; p. 201.
- Innersole. G. E. Rollins. No. 1,088,629; Feb. 24; Gaz. vol. 199; p. 1196.
- Innersole. L. Q. White, W. Hart, and H. O'Donnell. No. 1,115,757; Nov. 3; Gaz. vol. 208; p. 98.
- Inseam-trimming machine. E. Coey. No. 1,089,533; Mar. 10; Gaz. vol. 200; p. 343.
- Insect and fly trap. J. Fritsch. No. 1,120,046; Dec. 8; Gaz. vol. 209; p. 431.
- Insect-catcher. R. H. Cox. No. 1,095,819; May 5; Gaz. vol. 202; p. 221.
- Insect-catcher. J. A. Newsom. No. 1,106,673; Aug. 11; Gaz. vol. 205; p. 424.
- Insect-catcher. G. O. Walker. No. 1,102,829; July 7; Gaz. vol. 204; p. 213.
- Insect-catcher and bed-spring support. C. S. McCord. No. 1,095,906; May 5; Gaz. vol. 202; p. 249.
- Insect-destroyer. A. A. Barron. No. 1,106,615; Aug. 11; Gaz. vol. 205; p. 405.
- Insect-destroyer. J. L. Coldiron. No. 1,090,280; Mar. 17; Gaz. vol. 200; p. 641.
- Insect-destroyer. G. W. Evans. No. 1,119,502; Dec. 1; Gaz. vol. 209; p. 208.
- Insect-destroying apparatus. W. W. Calhoun. No. 1,112,259; Sept. 29; Gaz. vol. 206; p. 1354.
- Insect-destroying machine. L. L. Nail. No. 1,122,410; Dec. 29; Gaz. vol. 209; p. 1377.
- Insect-exterminator. E. A. Allen and F. A. Speenburgh. No. 1,108,309; Aug. 25; Gaz. vol. 205; p. 1094.
- Insect-killer. J. L. Bennett. No. 1,121,708; Dec. 22; Gaz. vol. 209; p. 1097.
- Insect-killing device. C. L. Cruver. No. 1,110,312; Sept. 15; Gaz. vol. 206; p. 596.
- Insect-trap. J. Fabian. No. 1,084,417; Jan. 13; Gaz. vol. 198; p. 413.
- Insect-trap. F. J. Gabel. No. 1,085,329; Jan. 27; Gaz. vol. 198; p. 789.
- Insect-trap. C. Quist. No. 1,093,291; Apr. 14; Gaz. vol. 201; p. 436.
- Insect-trap. T. L. Rhinehart. No. 1,111,237; Sept. 22; Gaz. vol. 206; p. 965.
- Insect-trap attachment for garbage-cans. A. Shapiro. No. 1,114,191; Oct. 20; Gaz. vol. 207; p. 705.
- Insect-trap, Electric. S. A. Craig. No. 1,085,023; Jan. 20; Gaz. vol. 198; p. 647.
- Insects, Destroying. A. Erlenbach. No. 1,097,406; May 19; Gaz. vol. 202; p. 845.
- Insects, Destroying larvæ and pupæ of. A. Corti. No. 1,120,136; Dec. 8; Gaz. vol. 209; p. 461.
- Insecticide. I. F. Peck. No. 1,119,036; Dec. 1; Gaz. vol. 209; p. 49.
- Insecticide for plants and making the same. K. Fischer. No. 1,085,898; Feb. 3; Gaz. vol. 199; p. 113.
- Insecticide, fungicide, and soil antiseptic. F. Forster. No. 1,105,642; Aug. 4; Gaz. vol. 205; p. 20.
- Insecticide-holder. M. McKay. No. 1,105,364; July 28; Gaz. vol. 204; p. 1231.
- Insole. O. O. Byrd. No. 1,118,736; Nov. 24; Gaz. vol. 208; p. 1261.
- Insole. J. Cavanagh, Jr. No. 1,113,540; Oct. 13; Gaz. vol. 207; p. 438.
- Insole. A. E. Johnson. No. 1,109,760; Sept. 8; Gaz. vol. 206; p. 360.
- Insole. A. E. Johnson. No. 1,109,761; Sept. 8; Gaz. vol. 206; p. 360.
- Insole. L. A. Long. No. 1,092,373; Apr. 7; Gaz. vol. 201; p. 86.
- Insole. T. W. McGovern. No. 1,120,959; Dec. 15; Gaz. vol. 209; p. 800.
- Insole. W. Stücki. No. 1,106,986; Aug. 11; Gaz. vol. 205; p. 532.
- Insole. A. Zsemba. No. 1,120,113; Dec. 8; Gaz. vol. 209; p. 453.
- Insole and shank, Combined. B. Rosenberg. No. 1,118,151; Nov. 24; Gaz. vol. 208; p. 1055.
- Insole-finishing machine. A. Thoma. No. 1,108,026; Aug. 18; Gaz. vol. 205; p. 946.
- Insole for boots and shoes. L. Carr. No. 1,111,361; Sept. 22; Gaz. vol. 206; p. 1007.
- Insole for footwear, Medicated. G. S. Yingling. No. 1,113,726; Oct. 13; Gaz. vol. 207; p. 502.
- Insole-making machine. A. E. Johnson. No. 1,089,472; Mar. 10; Gaz. vol. 200; p. 320.
- Insole-making machine. A. E. Johnson. No. 1,109,759; Sept. 8; Gaz. vol. 206; p. 360.
- Insole-toe-cutting machine. J. B. Hadaway. No. 1,087,578; Feb. 17; Gaz. vol. 199; p. 792.
- Insole-trimming machine. W. H. Hooper. No. 1,097,633; May 26; Gaz. vol. 202; p. 966.
- Insoles, Machine for operating on. J. Cavanagh, Jr. No. 1,113,541; Oct. 13; Gaz. vol. 207; p. 438.
- Insoles, Machine for treating. T. G. Plant. No. 1,122,218; Dec. 22; Gaz. vol. 209; p. 1273.
- Insoles, Preparing. J. Cavanagh, Jr. No. 1,113,542; Oct. 13; Gaz. vol. 207; p. 439.
- Instep-arch support. J. W. Arrowsmith. No. 1,103,466; July 14; Gaz. vol. 204; p. 478.
- Instep-support. J. W. Arrowsmith. No. 1,103,463; July 14; Gaz. vol. 204; p. 477.
- Instep-support. J. W. Arrowsmith. No. 1,103,464; July 14; Gaz. vol. 204; p. 477.
- Instep-support. M. C. R. Fair. No. 1,086,358; Feb. 10; Gaz. vol. 199; p. 318.
- Instrument-casing. W. H. Bristol. No. 1,099,115; June 2; Gaz. vol. 203; p. 253.
- Instrument, Combination. E. A. Marx. No. 1,118,873; Nov. 24; Gaz. vol. 208; p. 1306.
- Instrument-holding device. C. W. Dunham. No. 1,120,040; Dec. 8; Gaz. vol. 209; p. 428.
- Instrument-mounting. F. Schubert. No. 1,116,498; Nov. 10; Gaz. vol. 208; p. 394.
- Instrument-transformer. M. D. Dobrowolsky. No. 1,098,664; June 2; Gaz. vol. 203; p. 105.
- Insufflator. J. C. Cramer. No. 1,122,257; Dec. 29; Gaz. vol. 209; p. 1328.
- Insulated cleat. E. G. Jansson. No. 1,105,664; Aug. 4; Gaz. vol. 205; p. 27.
- Insulated coils and the like, Machine for winding. C. H. Thordarson. No. 1,113,718; Oct. 13; Gaz. vol. 207; p. 498.
- Insulating and fastening means for rails. Combined W. R. Gorrell. No. 1,104,660; July 21; Gaz. vol. 204; p. 934.
- Insulating and supporting mechanism. J. W. Rogers. No. 1,090,234; Mar. 17; Gaz. vol. 200; p. 625.
- Insulating-block. A. E. Goetz. No. 1,105,267; July 28; Gaz. vol. 204; p. 1193.
- Insulating-coating and forming and applying the same. H. B. Holmes and J. W. Harris. No. 1,101,281; June 23; Gaz. vol. 203; p. 1135.
- Insulating-coil. H. Roos. No. 1,118,446; Nov. 24; Gaz. vol. 208; p. 1160.
- Insulating composition. J. W. Aylsworth. No. 1,102,633; July 7; Gaz. vol. 204; p. 145.
- Insulating composition. L. E. Barringer. No. 1,091,725; Mar. 31; Gaz. vol. 200; p. 1209.
- Insulating composition. F. M. Locke. No. 1,091,678; Mar. 31; Gaz. vol. 200; p. 1193.
- Insulating composition. J. F. Menningen. No. 1,119,442; Dec. 1; Gaz. vol. 209; p. 187.
- Insulating composition and making the same. L. E. Barringer. No. 1,111,430; Sept. 22; Gaz. vol. 206; p. 1030.
- Insulating composition and preparing the same. Electrical. J. W. Aylsworth. No. 1,092,511; Apr. 7; Gaz. vol. 201; p. 135.

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- Insulating compound. L. E. Barringer. No. 1,085,102; Jan. 27; Gaz. vol. 198; p. 710.
- Insulating compound. L. E. Barringer and F. C. Zapf. No. 1,093,967; Apr. 21; Gaz. vol. 201; p. 702.
- Insulating compound. T. A. Edison. No. 1,083,354; Jan. 6; Gaz. vol. 198; p. 32.
- Insulating compound. J. F. Menningen. No. 1,119,441; Dec. 1; Gaz. vol. 209; p. 187.
- Insulating device, Coil-. E. Haefely. No. 1,120,811; Dec. 15; Gaz. vol. 209; p. 748.
- Insulating-door. G. D. Antrim. No. 1,084,835; Jan. 20; Gaz. vol. 198; p. 584.
- Insulating fabric. G. H. Ellis. No. 1,108,155; Aug. 25; Gaz. vol. 205; p. 1039.
- Insulating fiber sheet, Waterproof. G. H. Ellis. No. 1,116,045; Nov. 3; Gaz. vol. 208; p. 198.
- Insulating-fitting, Electric. J. F. Burns. No. 1,088,402; Feb. 24; Gaz. vol. 199; p. 1122.
- Insulating-joint. H. P. McBride. No. 1,102,775; July 7; Gaz. vol. 204; p. 194.
- Insulating-joint and making the same. H. J. Lampert. No. 1,110,947; Sept. 15; Gaz. vol. 206; p. 822.
- Insulating-joint for pipe systems. A. J. Loepsinger. No. 1,106,572; Aug. 11; Gaz. vol. 205; p. 389.
- Insulating-lining. C. L. Sherman. No. 1,086,338; Feb. 3; Gaz. vol. 199; p. 263.
- Insulating machine, Coil-. E. Haefely. No. 1,090,394; Mar. 17; Gaz. vol. 200; p. 682.
- Insulating-machine head. C. L. Van Ness. No. 1,100,002; June 16; Gaz. vol. 203; p. 640.
- Insulating material. L. E. Barringer. No. 1,091,621; Mar. 31; Gaz. vol. 200; p. 1174.
- Insulating material. J. L. R. Hayden. No. 1,096,839; May 19; Gaz. vol. 202; p. 645.
- Insulating material and making the same. J. C. Peabody. No. 1,083,755; Jan. 6; Gaz. vol. 198; p. 165.
- Insulating material, Making. C. F. Peterson. No. 1,098,967; June 2; Gaz. vol. 203; p. 207.
- Insulating-sheets, Machine for making fiber. T. Hohaus. No. 1,105,786; Aug. 4; Gaz. vol. 205; p. 69.
- Insulating sleeve or tube machine. F. Wunderlich. No. 1,090,369; Mar. 17; Gaz. vol. 200; p. 672.
- Insulating supporting means. F. E. Case. No. 1,101,058; June 23; Gaz. vol. 203; p. 1060.
- Insulating-wire of aluminum and the like. E. Presser. No. 1,117,240; Nov. 17; Gaz. vol. 208; p. 697.
- Insulation, Bushing for electric tubular. C. M. Wheelock. No. 1,098,775; June 2; Gaz. vol. 203; p. 142.
- Insulation, Canopy-. G. J. Scholl. No. 1,115,340; Oct. 27; Gaz. vol. 207; p. 1161.
- Insulator. L. B. Abbott. No. 1,113,399; Oct. 13; Gaz. vol. 207; p. 388.
- Insulator. L. E. Barringer. No. 1,091,620; Mar. 31; Gaz. vol. 200; p. 1173.
- Insulator. J. Ellis. (Reissue.) No. 13,748; June 16; Gaz. vol. 203; p. 878.
- Insulator. E. Friedlaender. No. 1,111,570; Sept. 22; Gaz. vol. 206; p. 1079.
- Insulator. R. Friese. No. 1,107,281; Aug. 18; Gaz. vol. 205; p. 683.
- Insulator. O. J. Fritz. No. 1,109,058; Sept. 1; Gaz. vol. 206; p. 72.
- Insulator. R. B. Haden. No. 1,102,656; July 7; Gaz. vol. 204; p. 153.
- Insulator. E. M. Hewlett. No. 1,110,934; Sept. 15; Gaz. vol. 206; p. 817.
- Insulator. I. Hunter. No. 1,099,374; June 9; Gaz. vol. 203; p. 389.
- Insulator. F. M. Locke. No. 1,091,679; Mar. 31; Gaz. vol. 200; p. 1193.
- Insulator. B. S. Purkey. No. 1,107,111; Aug. 11; Gaz. vol. 205; p. 573.
- Insulator. J. A. Sandford, Jr. No. 1,093,479; Apr. 14; Gaz. vol. 201; p. 497.
- Insulator. J. A. Sandford, Jr. No. 1,093,480; Apr. 14; Gaz. vol. 201; p. 497.
- Insulator. F. J. Schisler. No. 1,116,631; Nov. 10; Gaz. vol. 208; p. 445.
- Insulator. E. Seguin. No. 1,104,009; July 21; Gaz. vol. 204; p. 708.
- Insulator and current-distributor. E. H. Knutz. No. 1,085,813; Feb. 3; Gaz. vol. 199; p. 84.
- Insulator attachment. J. A. Kephart. No. 1,105,521; July 28; Gaz. vol. 204; p. 1284.
- Insulator, Automatic section-. W. H. Kempton. No. 1,111,468; Sept. 22; Gaz. vol. 206; p. 1043.
- Insulator, Canopy-. E. E. Bechtold. No. 1,111,820; Sept. 29; Gaz. vol. 206; p. 1204.
- Insulator-clamp. W. A. Cook. No. 1,090,686; Mar. 17; Gaz. vol. 200; p. 781.
- Insulator-clamp. A. L. Smith. No. 1,119,049; Dec. 1; Gaz. vol. 209; p. 54.
- Insulator, Disk strain-. L. Steinberger. No. 1,118,694; Nov. 24; Gaz. vol. 208; p. 1246.
- Insulator, Electric. J. L. Fay and S. B. Way. No. 1,106,797; Aug. 11; Gaz. vol. 205; p. 466.
- Insulator, Electrical. J. W. Aylsworth. No. 1,094,820; Apr. 28; Gaz. vol. 201; p. 1059.
- Insulator, Electrical. J. H. Ellis. No. 1,102,252; July 7; Gaz. vol. 204; p. 10.
- Insulator, High-potential. L. Steinberger. No. 1,122,326; Dec. 29; Gaz. vol. 209; p. 1350.
- Insulator-holder. H. C. Heffner. No. 1,095,860; May 5; Gaz. vol. 202; p. 234.
- Insulator-pin. J. L. Hecht and J. C. Gapen. No. 1,094,852; Apr. 28; Gaz. vol. 201; p. 1066.
- Insulator, Post-. J. A. Sandford, Jr. No. 1,109,470; Sept. 1; Gaz. vol. 206; p. 216.
- Insulator, Rail-. J. G. Mueller. No. 1,121,939; Dec. 22; Gaz. vol. 209; p. 1180.
- Insulator-support. F. P. Kobert. No. 1,110,495; Sept. 15; Gaz. vol. 206; p. 663.
- Insulator-support, Adjustable. L. Fort. No. 1,097,414; May 19; Gaz. vol. 202; p. 847.
- Insulator-support for electric wires. F. P. Kobert. No. 1,110,496; Sept. 15; Gaz. vol. 206; p. 663.
- Insulator, Temporary. C. W. Potter and A. F. Van Deinse. No. 1,101,210; June 23; Gaz. vol. 203; p. 1111.
- Insulator, Trolley-wire-feed-tap. E. L. Alvord. No. 1,093,235; Apr. 14; Gaz. vol. 201; p. 416.
- Insulator wire-clamp. C. Giovannoni. No. 1,118,545; Nov. 24; Gaz. vol. 208; p. 1196.
- Insulators for high-potential electric conductors, Manufacture of. F. M. Locke. No. 1,120,951; Dec. 15; Gaz. vol. 209; p. 798.
- Insulators, Ground-detector for. J. Wahn. No. 1,095,439; May 5; Gaz. vol. 202; p. 91.
- Insulators, Rain-guard for. M. K. Holmes. No. 1,088,278; Feb. 24; Gaz. vol. 199; p. 1081.
- Insurance reference-sheet. H. A. Morison. No. 1,090,789; Mar. 17; Gaz. vol. 200; p. 814.
- Intake-manifold. A. C. Bennett. No. 1,103,931; July 21; Gaz. vol. 204; p. 683.
- Interchangeable wheel of motor-cars. M. Fischer. No. 1,099,435; June 9; Gaz. vol. 203; p. 410.
- Interest-bearing instrument of obligation. C. H. Davis. No. 1,114,342; Oct. 20; Gaz. vol. 207; p. 758.
- Interest-computing machine. J. A. Cashel. No. 1,084,254; Jan. 13; Gaz. vol. 198; p. 361.
- Interlining fabric and making same, Woven. G. S. Cox. No. 1,091,197; Mar. 24; Gaz. vol. 200; p. 989.
- Interlock. C. B. Callow. No. 1,102,318; July 7; Gaz. vol. 204; p. 33.
- Internal-combustion and hot-air engine, Combined. W. J. Wright. No. 1,097,068; May 19; Gaz. vol. 202; p. 727.
- Internal-combustion engine. S. Abell. No. 1,097,578; May 19; Gaz. vol. 202; p. 902.
- Internal-combustion engine. G. A. F. Ahlberg. No. 1,085,233; Jan. 27; Gaz. vol. 198; p. 755.
- Internal-combustion engine. G. A. F. Ahlberg. No. 1,096,819; May 19; Gaz. vol. 202; p. 638.
- Internal-combustion engine. C. I. Amey. No. 1,116,781; Nov. 10; Gaz. vol. 208; p. 497.
- Internal-combustion engine. C. C. Anderson. No. 1,094,398; Apr. 21; Gaz. vol. 201; p. 844.
- Internal-combustion engine. L. B. Arthur. No. 1,116,002; Nov. 3; Gaz. vol. 208; p. 183.
- Internal-combustion engine. H. W. Ashmusen. No. 1,112,589; Oct. 6; Gaz. vol. 207; p. 64.
- Internal-combustion engine. A. W. Augur. No. 1,119,386; Dec. 1; Gaz. vol. 209; p. 168.
- Internal-combustion engine. A. M. Bach. No. 1,106,024; Aug. 4; Gaz. vol. 205; p. 154.
- Internal-combustion engine. F. X. Bachle and J. C. L. Krebs. No. 1,115,481; Nov. 3; Gaz. vol. 208; p. 5.
- Internal-combustion engine. H. J. Bachman. No. 1,087,566; Feb. 17; Gaz. vol. 199; p. 788.
- Internal-combustion engine. J. M. Bailey. No. 1,110,861; Sept. 15; Gaz. vol. 206; p. 792.
- Internal-combustion engine. H. C. Baines. No. 1,096,665; May 12; Gaz. vol. 202; p. 543.
- Internal-combustion engine. H. G. Baldwin. No. 1,116,535; Nov. 10; Gaz. vol. 208; p. 407.
- Internal-combustion engine. F. R. Barker. No. 1,111,051; Sept. 22; Gaz. vol. 206; p. 900.
- Internal-combustion engine. E. H. Belden. No. 1,120,674; Dec. 15; Gaz. vol. 209; p. 701.
- Internal-combustion engine. W. A. Besserlich. No. 1,113,743; Oct. 13; Gaz. vol. 207; p. 507.
- Internal-combustion engine. J. E. Bissell. No. 1,119,228; Dec. 1; Gaz. vol. 209; p. 114.
- Internal-combustion engine. G. Bourcier. No. 1,100,347; June 16; Gaz. vol. 203; p. 760.
- Internal-combustion engine. E. M. Bournonville. No. 1,096,094; May 12; Gaz. vol. 202; p. 349.
- Internal-combustion engine. E. M. Bournonville. No. 1,118,730; Nov. 24; Gaz. vol. 208; p. 1259.
- Internal-combustion engine. E. M. Bournonville. No. 1,119,494; Dec. 1; Gaz. vol. 209; p. 205.
- Internal-combustion engine. H. H. Brautigam. No. 1,085,844; Feb. 3; Gaz. vol. 199; p. 94.
- Internal-combustion engine. J. S. Brown. No. 1,088,259; Feb. 24; Gaz. vol. 199; p. 1074.
- Internal-combustion engine. R. Burn. No. 1,114,961; Oct. 27; Gaz. vol. 207; p. 1029.
- Internal-combustion engine. H. B. Burr. No. 1,087,273; Feb. 17; Gaz. vol. 199; p. 685.
- Internal-combustion engine. A. B. Calkins. No. 1,098,709; June 2; Gaz. vol. 203; p. 121.
- Internal-combustion engine. F. D. Calkins and A. C. Johnson. No. 1,097,166; May 19; Gaz. vol. 202; p. 761.

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- Internal-combustion engine. W. H. Camp. No. 1,107,754; Aug. 18; Gaz. vol. 205; p. 852.
- Internal-combustion engine. W. Campbell. No. 1,091,629; Mar. 31; Gaz. vol. 200; p. 1176.
- Internal-combustion engine. G. H. M. Canton, P. G. Unné, and E. J. J. Salmson. No. 1,099,424; June 9; Gaz. vol. 203; p. 406.
- Internal-combustion engine. S. W. Carlton. No. 1,091,289; Mar. 24; Gaz. vol. 200; p. 1019.
- Internal-combustion engine. W. C. Carter. No. 1,114,107; Oct. 20; Gaz. vol. 207; p. 675.
- Internal-combustion engine. G. D. Casson and F. D. Blakely. No. 1,107,895; Aug. 18; Gaz. vol. 205; p. 900.
- Internal-combustion engine. H. G. Chatain. No. 1,112,263; Sept. 29; Gaz. vol. 206; p. 1355.
- Internal-combustion engine. L. F. Clark. No. 1,106,365; Aug. 11; Gaz. vol. 205; p. 313.
- Internal-combustion engine. G. G. Clough. No. 1,096,683; May 12; Gaz. vol. 202; p. 549.
- Internal-combustion engine. G. G. Clough. No. 1,111,948; Sept. 29; Gaz. vol. 206; p. 1247.
- Internal-combustion engine. J. E. Cochran. No. 1,103,487; July 14; Gaz. vol. 204; p. 485.
- Internal-combustion engine. J. E. Cochran. No. 1,103,488; July 14; Gaz. vol. 204; p. 485.
- Internal-combustion engine. A. P. Cottle. No. 1,117,641; Nov. 17; Gaz. vol. 208; p. 838.
- Internal-combustion engine. A. P. Cottle. No. 1,117,642; Nov. 17; Gaz. vol. 208; p. 838.
- Internal-combustion engine. N. E. Crothers. No. 1,104,968; July 28; Gaz. vol. 204; p. 1089.
- Internal-combustion engine. E. A. Cunningham. No. 1,094,779; Apr. 28; Gaz. vol. 201; p. 1041.
- Internal-combustion engine. C. De Lukacsevs. No. 1,091,427; Mar. 24; Gaz. vol. 200; p. 1062.
- Internal-combustion engine. C. De Lukacsevs. No. 1,093,544; Apr. 14; Gaz. vol. 201; p. 516.
- Internal-combustion engine. T. Dixon and P. Grigsby. No. 1,103,571; July 14; Gaz. vol. 204; p. 515.
- Internal-combustion engine. J. K. Dobbs. No. 1,115,515; Nov. 3; Gaz. vol. 208; p. 16.
- Internal-combustion engine. G. L. M. Dörwald. No. 1,102,019; June 30; Gaz. vol. 203; p. 1444.
- Internal-combustion engine. J. Douglas. No. 1,109,518; Sept. 1; Gaz. vol. 206; p. 231.
- Internal-combustion engine. C. E. Duryea. No. 1,107,501; Aug. 18; Gaz. vol. 205; p. 763.
- Internal-combustion engine. A. I. Eagle. No. 1,111,252; Sept. 22; Gaz. vol. 206; p. 970.
- Internal-combustion engine. C. L. Elliott. No. 1,107,274; Aug. 18; Gaz. vol. 205; p. 681.
- Internal-combustion engine. R. S. Ellis. No. 1,083,673; Jan. 6; Gaz. vol. 198; p. 137.
- Internal-combustion engine. T. J. Fay. No. 1,101,913; June 30; Gaz. vol. 203; p. 1404.
- Internal-combustion engine. T. J. Fay. No. 1,112,530; Oct. 6; Gaz. vol. 207; p. 41.
- Internal-combustion engine. T. J. Fay. No. 1,112,531; Oct. 6; Gaz. vol. 207; p. 42.
- Internal-combustion engine. J. T. Ferres. No. 1,095,565; May 5; Gaz. vol. 202; p. 134.
- Internal-combustion engine. F. Fisher. No. 1,102,400; July 7; Gaz. vol. 204; p. 62.
- Internal-combustion engine. L. M. Foster. No. 1,091,053; Mar. 24; Gaz. vol. 200; p. 938.
- Internal-combustion engine. J. D. Frank and A. D. Huard. No. 1,103,497; July 14; Gaz. vol. 204; p. 488.
- Internal-combustion engine. T. L. Frates. No. 1,109,982; Sept. 8; Gaz. vol. 206; p. 440.
- Internal-combustion engine. J. E. Friend. No. 1,101,794; June 30; Gaz. vol. 203; p. 1363.
- Internal-combustion engine. K. Fröh. No. 1,093,176; Apr. 14; Gaz. vol. 201; p. 397.
- Internal-combustion engine. W. D. Gale. No. 1,103,282; July 14; Gaz. vol. 204; p. 416.
- Internal-combustion engine. L. S. Gardner. No. 1,095,102; Apr. 28; Gaz. vol. 201; p. 1151.
- Internal-combustion engine. C. B. Gearing. No. 1,100,068; June 16; Gaz. vol. 203; p. 663.
- Internal-combustion engine. W. A. Gifford. No. 1,100,295; June 16; Gaz. vol. 203; p. 743.
- Internal-combustion engine. C. S. Goby. No. 1,100,656; June 16; Gaz. vol. 203; p. 863.
- Internal-combustion engine. P. H. Goggin. No. 1,094,554; Apr. 28; Gaz. vol. 201; p. 959.
- Internal-combustion engine. W. W. Gore. No. 1,110,438; Sept. 15; Gaz. vol. 206; p. 642.
- Internal-combustion engine. L. Grasso. No. 1,086,161; Feb. 3; Gaz. vol. 199; p. 207.
- Internal-combustion engine. A. L. P. Guéret. No. 1,116,266; Nov. 3; Gaz. vol. 208; p. 272.
- Internal-combustion engine. H. Hadwiger. No. 1,106,940; Aug. 11; Gaz. vol. 205; p. 518.
- Internal-combustion engine. L. T. Hagan. No. 1,102,045; June 30; Gaz. vol. 203; p. 1453.
- Internal-combustion engine. J. Haltenberger. No. 1,090,147; Mar. 17; Gaz. vol. 200; p. 594.
- Internal-combustion engine. J. Harrington. No. 1,100,975; June 23; Gaz. vol. 203; p. 1031.
- Internal-combustion engine. W. Harper, Jr. No. 1,121,584; Dec. 15; Gaz. vol. 209; p. 1018.
- Internal-combustion engine. G. H. Harris. No. 1,096,503; May 12; Gaz. vol. 202; p. 489.
- Internal-combustion engine. L. B. Harris. No. 1,122,592; Dec. 29; Gaz. vol. 209; p. 1440.
- Internal-combustion engine. H. T. Herr. No. 1,097,021; May 19; Gaz. vol. 202; p. 708.
- Internal-combustion engine. C. P. Hinds. No. 1,114,473; Oct. 20; Gaz. vol. 207; p. 807.
- Internal-combustion engine. G. Holloway. No. 1,103,047; July 14; Gaz. vol. 204; p. 334.
- Internal-combustion engine. G. R. Ibach. No. 1,086,180; Feb. 3; Gaz. vol. 199; p. 213.
- Internal-combustion engine. L. Illmer, Jr. No. 1,089,133; Mar. 3; Gaz. vol. 200; p. 159.
- Internal-combustion engine. C. J. Jager. No. 1,105,142; July 28; Gaz. vol. 204; p. 1148.
- Internal-combustion engine. C. F. Jenkins. No. 1,098,805; June 2; Gaz. vol. 203; p. 152.
- Internal-combustion engine. C. H. Judson. No. 1,109,681; Sept. 8; Gaz. vol. 206; p. 332.
- Internal-combustion engine. E. L. Kempfner. No. 1,122,127; Dec. 22; Gaz. vol. 209; p. 1242.
- Internal-combustion engine. O. Kersch. No. 1,119,432; Dec. 1; Gaz. vol. 209; p. 183.
- Internal-combustion engine. C. Y. Knight. No. 1,090,991; Mar. 24; Gaz. vol. 200; p. 916.
- Internal-combustion engine. J. Koenig. No. 1,111,840; Sept. 29; Gaz. vol. 206; p. 1210.
- Internal-combustion engine. J. Koenig. No. 1,111,841; Sept. 29; Gaz. vol. 206; p. 1211.
- Internal-combustion engine. B. Krämer. No. 1,122,009; Dec. 22; Gaz. vol. 209; p. 1204.
- Internal-combustion engine. M. Kucsera. No. 1,121,850; Dec. 22; Gaz. vol. 209; p. 1148.
- Internal-combustion engine. S. Lake. No. 1,095,002; Apr. 28; Gaz. vol. 201; p. 1118.
- Internal-combustion engine. S. Lake. No. 1,096,730; May 12; Gaz. vol. 202; p. 564.
- Internal-combustion engine. F. E. Lammert. No. 1,118,500; Nov. 24; Gaz. vol. 208; p. 1179.
- Internal-combustion engine. A. K. Landsmann and F. Dippon. No. 1,122,773; Dec. 29; Gaz. vol. 209; p. 1504.
- Internal-combustion engine. D. E. Lane. No. 1,097,032; May 19; Gaz. vol. 202; p. 713.
- Internal-combustion engine. T. Lane. No. 1,087,499; Feb. 17; Gaz. vol. 199; p. 765.
- Internal-combustion engine. J. C. Lawler. No. 1,111,074; Sept. 22; Gaz. vol. 206; p. 908.
- Internal-combustion engine. C. M. Leech. No. 1,099,065; June 2; Gaz. vol. 203; p. 237.
- Internal-combustion engine. C. F. Lembke. No. 1,106,720; Aug. 11; Gaz. vol. 205; p. 440.
- Internal-combustion engine. C. F. Lembke. No. 1,108,916; Sept. 1; Gaz. vol. 206; p. 19.
- Internal-combustion engine. H. Lemp. No. 1,093,140; Apr. 14; Gaz. vol. 201; p. 384.
- Internal-combustion engine. R. H. Libke. No. 1,117,201; Nov. 17; Gaz. vol. 208; p. 683.
- Internal-combustion engine. C. C. Longard. No. 1,093,709; Apr. 21; Gaz. vol. 201; p. 618.
- Internal-combustion engine. C. C. Longard. No. 1,101,300; June 23; Gaz. vol. 203; p. 1142.
- Internal-combustion engine. C. C. Longard. No. 1,109,999; Sept. 8; Gaz. vol. 206; p. 446.
- Internal-combustion engine. J. D. Lowe. No. 1,102,675; July 7; Gaz. vol. 204; p. 159.
- Internal-combustion engine. Y. Maruyama. No. 1,106,881; Aug. 11; Gaz. vol. 205; p. 497.
- Internal-combustion engine. W. Maybach. No. 1,092,930; Apr. 14; Gaz. vol. 201; p. 311.
- Internal-combustion engine. G. McDowell. No. 1,098,455; June 2; Gaz. vol. 203; p. 35.
- Internal-combustion engine. C. W. McGary. No. 1,099,856; June 9; Gaz. vol. 203; p. 552.
- Internal-combustion engine. W. R. McKeen, Jr. No. 1,101,705; June 30; Gaz. vol. 203; p. 1332.
- Internal-combustion engine. F. F. Miller. No. 1,110,332; Sept. 15; Gaz. vol. 206; p. 604.
- Internal-combustion engine. A. G. Moreton. No. 1,093,944; Apr. 21; Gaz. vol. 201; p. 694.
- Internal-combustion engine. C. F. Moss and M. Jungling. No. 1,111,605; Sept. 22; Gaz. vol. 206; p. 1091.
- Internal-combustion engine. P. H. Mueller and L. H. Schuler. No. 1,098,679; June 2; Gaz. vol. 203; p. 110.
- Internal-combustion engine. H. H. Murphy. No. 1,096,261; May 12; Gaz. vol. 202; p. 407.
- Internal-combustion engine. O. L. Neisler. No. 1,110,336; Sept. 15; Gaz. vol. 206; p. 606.
- Internal-combustion engine. H. F. Neumeyer. No. 1,116,471; Nov. 10; Gaz. vol. 208; p. 383.
- Internal-combustion engine. B. B. Neuteboom and C. H. Taylor. No. 1,117,427; Nov. 17; Gaz. vol. 208; p. 763.
- Internal-combustion engine. C. C. Nichols and W. H. Wright. No. 1,107,232; Aug. 11; Gaz. vol. 205; p. 619.
- Internal-combustion engine. F. W. Noble. No. 1,104,442; July 21; Gaz. vol. 204; p. 856.
- Internal-combustion engine. J. O'Neill. No. 1,117,893; Nov. 17; Gaz. vol. 208; p. 926.
- Internal-combustion engine. O. Ohlsson. No. 1,089,432; Mar. 10; Gaz. vol. 200; p. 305.

Alphabetical list of inventions—Continued.

- Internal-combustion engine. B. C. Perkins and R. K. Skinner. No. 1,117,900; Nov. 17; Gaz. vol. 208; p. 928.
- Internal-combustion engine. E. Peterson. No. 1,101,469; June 23; Gaz. vol. 203; p. 1199.
- Internal-combustion engine. W. I. Phifer. No. 1,087,681; Feb. 17; Gaz. vol. 199; p. 830.
- Internal-combustion engine. P. Pictet and M. Vernaz. No. 1,105,454; July 28; Gaz. vol. 204; p. 1261.
- Internal-combustion engine. J. W. Pitts. No. 1,090,647; Mar. 17; Gaz. vol. 200; p. 769.
- Internal-combustion engine. E. F. Pottenger. No. 1,120,533; Dec. 8; Gaz. vol. 209; p. 603.
- Internal-combustion engine. T. Pratt. No. 1,099,860; June 9; Gaz. vol. 203; p. 553.
- Internal-combustion engine. W. H. Pratt. No. 1,091,703; Mar. 31; Gaz. vol. 200; p. 1201.
- Internal-combustion engine. J. Raclot and C. Enderlin. No. 1,118,801; Nov. 24; Gaz. vol. 208; p. 1281.
- Internal-combustion engine. G. Ractliffe. No. 1,108,473; Aug. 25; Gaz. vol. 205; p. 1149.
- Internal-combustion engine. A. L. Redrup and H. K. Boyle. No. 1,109,644; Sept. 1; Gaz. vol. 206; p. 278.
- Internal-combustion engine. H. L. Reese and H. H. Platt. No. 1,091,389; Mar. 24; Gaz. vol. 200; p. 1051.
- Internal-combustion engine. H. L. Reese and H. H. Platt. No. 1,114,521; Oct. 20; Gaz. vol. 207; p. 823.
- Internal-combustion engine. T. Reuter. No. 1,112,837; Oct. 6; Gaz. vol. 207; p. 149.
- Internal-combustion engine. R. A. Reynolds. No. 1,103,223; July 14; Gaz. vol. 204; p. 397.
- Internal-combustion engine. A. L. Riker. No. 1,109,637; Sept. 1; Gaz. vol. 206; p. 275.
- Internal-combustion engine. W. J. Robb and W. H. Welch. No. 1,096,952; May 19; Gaz. vol. 202; p. 686.
- Internal-combustion engine. E. W. Roberts. No. 1,101,332; June 23; Gaz. vol. 203; p. 1153.
- Internal-combustion engine. J. P. Roberts. No. 1,103,842; July 14; Gaz. vol. 204; p. 610.
- Internal-combustion engine. J. N. Rose, Jr. No. 1,111,765; Sept. 29; Gaz. vol. 206; p. 1182.
- Internal-combustion engine. A. Rosner. No. 1,100,915; June 23; Gaz. vol. 203; p. 1009.
- Internal-combustion engine. J. Rothchild and J. B. Jarvis. No. 1,117,095; Nov. 10; Gaz. vol. 208; p. 606.
- Internal-combustion engine. W. P. Ruble. No. 1,111,183; Sept. 22; Gaz. vol. 206; p. 947.
- Internal-combustion engine. A. A. Ruegg. No. 1,120,979; Dec. 15; Gaz. vol. 209; p. 806.
- Internal-combustion engine. E. L. Russell. No. 1,099,102; June 2; Gaz. vol. 203; p. 248.
- Internal-combustion engine. T. H. Russell. No. 1,094,254; Apr. 21; Gaz. vol. 201; p. 798.
- Internal-combustion engine. C. E. Sargent. No. 1,112,842; Oct. 6; Gaz. vol. 207; p. 151.
- Internal-combustion engine. N. H. Schickel. No. 1,087,835; Feb. 17; Gaz. vol. 199; p. 881.
- Internal-combustion engine. A. Schmid. No. 1,121,135; Dec. 15; Gaz. vol. 209; p. 864.
- Internal-combustion engine. W. C. Schneider. No. 1,113,374; Oct. 13; Gaz. vol. 207; p. 379.
- Internal-combustion engine. W. H. Schoonmaker. No. 1,121,137; Dec. 15; Gaz. vol. 209; p. 864.
- Internal-combustion engine. C. Schoppet. No. 1,101,042; June 23; Gaz. vol. 203; p. 1054.
- Internal-combustion engine. L. Scott. No. 1,103,089; July 14; Gaz. vol. 204; p. 347.
- Internal-combustion engine. E. H. Shattuck. No. 1,108,010; Aug. 18; Gaz. vol. 205; p. 941.
- Internal-combustion engine. A. D. Shaw. No. 1,097,947; May 26; Gaz. vol. 202; p. 1079.
- Internal-combustion engine. K. Z. Shetler. No. 1,106,522; Aug. 11; Gaz. vol. 205; p. 371.
- Internal-combustion engine. T. B. Sitzler. No. 1,087,841; Feb. 17; Gaz. vol. 199; p. 833.
- Internal-combustion engine. D. T. Smith. No. 1,121,678; Dec. 22; Gaz. vol. 209; p. 1087.
- Internal-combustion engine. F. W. Spacke, D. T. Brownlee, and W. Spacke. No. 1,102,700; July 7; Gaz. vol. 204; p. 167.
- Internal-combustion engine. F. W. Spacke, D. T. Brownlee, and W. Spacke. No. 1,108,265; Aug. 25; Gaz. vol. 205; p. 1078.
- Internal-combustion engine. K. Steinbecker. No. 1,086,791; Feb. 10; Gaz. vol. 199; p. 469.
- Internal-combustion engine. K. Steinbecker. No. 1,086,792; Feb. 10; Gaz. vol. 199; p. 470.
- Internal-combustion engine. K. Steinbecker. No. 1,086,793; Feb. 10; Gaz. vol. 199; p. 470.
- Internal-combustion engine. S. S. Sutton. No. 1,091,983; Mar. 31; Gaz. vol. 200; p. 1299.
- Internal-combustion engine. S. S. Sutton. No. 1,111,682; Sept. 22; Gaz. vol. 206; p. 1119.
- Internal-combustion engine. W. S. Sutton. No. 1,103,325; July 14; Gaz. vol. 204; p. 431.
- Internal-combustion engine. S. J. Sydney. No. 1,086,243; Feb. 3; Gaz. vol. 199; p. 234.
- Internal-combustion engine. C. Sykora. No. 1,099,271; June 9; Gaz. vol. 203; p. 351.
- Internal-combustion engine. P. G. Tacchi. No. 1,086,953; Feb. 10; Gaz. vol. 199; p. 524.
- Internal-combustion engine. P. G. Tacchi. No. 1,112,338; Sept. 29; Gaz. vol. 206; p. 1381.
- Internal-combustion engine. F. S. Thornley. No. 1,093,659; Apr. 21; Gaz. vol. 201; p. 599.
- Internal-combustion engine. A. P. Tiessen. No. 1,116,338; Nov. 3; Gaz. vol. 208; p. 296.
- Internal-combustion engine. W. I. Twombly. No. 1,113,262; Oct. 13; Gaz. vol. 207; p. 339.
- Internal-combustion engine. W. I. Twombly. No. 1,117,464; Nov. 17; Gaz. vol. 208; p. 776.
- Internal-combustion engine. F. C. Tygard. No. 1,107,382; Aug. 18; Gaz. vol. 205; p. 720.
- Internal-combustion engine. J. W. Tygard. No. 1,123,039; Dec. 29; Gaz. vol. 209; p. 1599.
- Internal-combustion engine. M. Vernaz and P. Pictet. No. 1,105,471; July 28; Gaz. vol. 204; p. 1267.
- Internal-combustion engine. L. E. Viard. No. 1,090,894; Mar. 24; Gaz. vol. 200; p. 882.
- Internal-combustion engine. J. B. Walker. No. 1,122,823; Dec. 29; Gaz. vol. 209; p. 1523.
- Internal-combustion engine. R. Ware. No. 1,107,468; Aug. 18; Gaz. vol. 205; p. 751.
- Internal-combustion engine. J. R. Warren. No. 1,092,787; Apr. 7; Gaz. vol. 201; p. 227.
- Internal-combustion engine. C. W. Watson. No. 1,112,579; Oct. 6; Gaz. vol. 207; p. 60.
- Internal-combustion engine. C. E. Weidner. No. 1,117,933; Nov. 17; Gaz. vol. 208; p. 938.
- Internal-combustion engine. J. Weisz. No. 1,101,599; June 30; Gaz. vol. 203; p. 1296.
- Internal-combustion engine. A. J. West. No. 1,101,893; June 30; Gaz. vol. 203; p. 1397.
- Internal-combustion engine. J. Wilkinson. No. 1,119,914; Dec. 8; Gaz. vol. 209; p. 384.
- Internal-combustion engine. J. A. Williams. No. 1,098,539; June 2; Gaz. vol. 203; p. 64.
- Internal-combustion engine. A. Winton. No. 1,117,738; Nov. 17; Gaz. vol. 208; p. 873.
- Internal-combustion engine. W. Woodward. No. 1,084,519; Jan. 13; Gaz. vol. 198; p. 446.
- Internal-combustion engine. H. E. Woolery. No. 1,101,374; June 23; Gaz. vol. 203; p. 1166.
- Internal-combustion engine. G. Wright. No. 1,109,192; Sept. 1; Gaz. vol. 206; p. 119.
- Internal-combustion engine. W. D. C. Wright. No. 1,095,485; May 5; Gaz. vol. 202; p. 108.
- Internal-combustion engine and operating engines of this type, Two-cycle. C. A. McKiernan. No. 1,097,725; May 26; Gaz. vol. 202; p. 999.
- Internal-combustion engine and operating same. E. Thomson. No. 1,096,405; May 12; Gaz. vol. 202; p. 455.
- Internal-combustion engine and operating the same. H. E. Dunham. No. 1,106,194; Aug. 4; Gaz. vol. 205; p. 213.
- Internal-combustion-engine atomizer-valves, Operating and controlling means for. L. B. Harris. No. 1,119,154; Dec. 1; Gaz. vol. 209; p. 89.
- Internal-combustion engine comprising rotating cylinders. E. Becker and F. Dinslage. No. 1,084,192; Jan. 13; Gaz. vol. 198; p. 341.
- Internal-combustion-engine control. I. R. Krug. No. 1,093,586; Apr. 14; Gaz. vol. 201; p. 530.
- Internal-combustion engine employing liquid fuel, Two-cycle. H. Junkers. No. 1,117,497; Nov. 17; Gaz. vol. 208; p. 788.
- Internal-combustion engine, Four-cycle. W. M. Austin. No. 1,115,477; Nov. 3; Gaz. vol. 208; p. 3.
- Internal-combustion engine, Four-cycle. T. S. James. No. 1,104,804; July 28; Gaz. vol. 204; p. 1033.
- Internal-combustion engine, Multicylinder. S. H. Hart. No. 1,105,426; July 28; Gaz. vol. 204; p. 1251.
- Internal-combustion engine, Multiple-cylinder. F. R. Sunderman. No. 1,087,151; Feb. 17; Gaz. vol. 199; p. 642.
- Internal-combustion engine of the compression type. W. S. Harley. No. 1,089,128; Mar. 3; Gaz. vol. 200; p. 157.
- Internal-combustion engine, Revolving. E. Maye. No. 1,122,972; Dec. 29; Gaz. vol. 209; p. 1575.
- Internal-combustion engine, Rotary. A. Moraski. No. 1,119,189; Dec. 1; Gaz. vol. 209; p. 101.
- Internal-combustion engine, Two-cycle. H. J. Crawford. No. 1,105,882; Aug. 4; Gaz. vol. 205; p. 103.
- Internal-combustion engine, Two-cycle. F. O. Woodland. No. 1,104,596; July 21; Gaz. vol. 204; p. 913.
- Internal-combustion engine used on motor-bicycles, Air-cooled. E. Sidwell. No. 1,092,228; Apr. 7; Gaz. vol. 201; p. 36.
- Internal-combustion engines employing liquid fuel, Operating two-cycle. H. Junkers. No. 1,117,498; Nov. 17; Gaz. vol. 208; p. 788.
- Internal-combustion engines, Ignition system for. J. O. Heinze. No. 1,122,001; Dec. 22; Gaz. vol. 209; p. 1201.
- Internal-combustion motor. J. V. Brown, Jr. No. 1,098,012; May 26; Gaz. vol. 202; p. 1103.
- Internal-combustion motor. A. L. Carter. No. 1,116,994; Nov. 10; Gaz. vol. 208; p. 571.
- Internal-combustion motor. H. L. Cummins. No. 1,095,190; May 5; Gaz. vol. 202; p. 5.
- Internal-combustion motor. E. J. Harrington. No. 1,102,912; July 7; Gaz. vol. 204; p. 239.

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- Internal-combustion motor. R. T. Kingsford. No. 1,092,578; Apr. 7; Gaz. vol. 201; p. 156.
- Internal-combustion motor. R. H. and J. Morrow. No. 1,084,749; Jan. 20; Gaz. vol. 198; p. 555.
- Internal-combustion motor, Valveless. R. Slaby. No. 1,099,576; June 9; Gaz. vol. 203; p. 458.
- Internal-combustion rotary engine. C. L. Ragot. No. 1,088,623; Feb. 24; Gaz. vol. 199; p. 1194.
- Internal-combustion turbine-engine. W. Engles. No. 1,105,500; July 28; Gaz. vol. 204; p. 1276.
- Internal-combustion turbine-motor. R. Powell. No. 1,116,730; Nov. 10; Gaz. vol. 208; p. 478.
- Internally-fired engine. W. H. Smyth. No. 1,089,444; Mar. 10; Gaz. vol. 200; p. 310.
- Interrupting device. C. N. Cahusac. No. 1,114,225; Oct. 20; Gaz. vol. 207; p. 717.
- Invalid-lifting device. F. S. Root. No. 1,103,436; July 14; Gaz. vol. 204; p. 467.
- Invalid-lifting device. F. S. Root. No. 1,106,847; Aug. 11; Gaz. vol. 205; p. 485.
- Invalid-rest. T. Anderson. No. 1,103,730; July 14; Gaz. vol. 204; p. 573.
- Invalids and others, Apparatus for handling. T. E. Wasley. No. 1,122,825; Dec. 29; Gaz. vol. 209; p. 1524.
- Invalids, Apparatus for elevating and conveying. P. Cashman. No. 1,098,477; June 2; Gaz. vol. 203; p. 42.
- Invalids, deformed persons, or the like, Apparatus for handling. A. Skeffington. No. 1,085,879; Feb. 3; Gaz. vol. 199; p. 106.
- Invalids, Device for moving. A. S. Roush and J. A. Brill. No. 1,085,704; Feb. 3; Gaz. vol. 199; p. 44.
- Invalid's device for supporting the lower extremities when lying down. E. Troesch. No. 1,118,973; Dec. 1; Gaz. vol. 209; p. 24.
- Inverted-mantle burner. G. T. Hadley. No. 1,097,092; May 19; Gaz. vol. 202; p. 736.
- Invoice-rod, Portable. C. M. Carew. No. 1,089,188; Mar. 3; Gaz. vol. 200; p. 179.
- Ionized medium, Collecting particles present in an. W. W. Strong. No. 1,096,765; May 12; Gaz. vol. 202; p. 576.
- Ions adsorbed by colloids, Exchange of. B. Schwerin. No. 1,120,551; Dec. 8; Gaz. vol. 209; p. 610.
- Iron. *See* Bracing-iron; Branding-iron; Carriage-iron; Chair-iron; Creasing-iron; Edge-setting iron; Electric iron; Flat-iron; Gas-iron; Gas-heated iron; Holdback-iron; Milliner's iron; Pressing-iron; Reefing-iron; Sad-iron; Soldering-iron; Tailor's iron; Whiffletree-iron.
- Iron. H. Lindstrom. No. 1,095,334; May 5; Gaz. vol. 202; p. 55.
- Iron. W. W. Shoe. No. 1,099,401; June 9; Gaz. vol. 203; p. 398.
- Iron and brace. C. L. Tucker. No. 1,083,779; Jan. 6; Gaz. vol. 198; p. 172.
- Iron and other metals, Manufacture of. A. E. Bourcoud. No. 1,086,133; Feb. 3; Gaz. vol. 199; p. 198.
- Iron and other metals, Means or apparatus in or relating to the manufacture of. A. E. Bourcoud. No. 1,086,134; Feb. 3; Gaz. vol. 199; p. 198.
- Iron and steel articles, Case-hardening. C. Burian. No. 1,091,286; Mar. 24; Gaz. vol. 200; p. 1018.
- Iron and steel articles, Method of and apparatus for tempering. H. Hess. No. 1,103,358; July 14; Gaz. vol. 204; p. 442.
- Iron and steel directly from the ore, Producing. K. A. F. Hiorth. No. 1,112,007; Sept. 29; Gaz. vol. 206; p. 1266.
- Iron and steel, Hardening. E. Sweet. No. 1,121,572; Dec. 15; Gaz. vol. 209; p. 1014.
- Iron and steel, Process and high-pressure furnace for the direct production of. C. Otto. No. 1,089,951; Mar. 10; Gaz. vol. 200; p. 487.
- Iron and steel sheets, Manufacturing. R. T. Banfield. No. 1,108,667; Aug. 25; Gaz. vol. 205; p. 1217.
- Iron and steel, Treating. D. Lamon. No. 1,096,006; May 5; Gaz. vol. 202; p. 282.
- Iron and the like, Improving the properties of ingot. H. Goldschmidt and H. Biewend. No. 1,122,272; Dec. 29; Gaz. vol. 209; p. 1333.
- Iron bars, Device for upsetting or lengthening. W. Stock. No. 1,117,611; Nov. 17; Gaz. vol. 208; p. 826.
- Iron, Casting of. I. E. Lester. No. 1,093,443; Apr. 14; Gaz. vol. 201; p. 486.
- Iron from liquids, Eliminating. H. Hackl and H. Bunzel. No. 1,100,675; June 16; Gaz. vol. 203; p. 868.
- Iron, Improving pig-. V. Stobie. No. 1,093,892; Apr. 21; Gaz. vol. 201; p. 678.
- Iron, Industrial manufacture of electrolytic. A. Boucher. No. 1,086,132; Feb. 3; Gaz. vol. 199; p. 198.
- Iron into steel or malleable iron, Converting cast-. J. A. Hunter. No. 1,112,909; Oct. 6; Gaz. vol. 207; p. 174.
- Iron, Manufacture of pig-. F. Prudhomme. No. 1,092,168; Apr. 7; Gaz. vol. 201; p. 15.
- Iron molds or chills, Making. G. A. Phillips. No. 1,099,997; June 16; Gaz. vol. 203; p. 638.
- Iron or manganese metal from pure or impure iron or manganese-metal oxids, Manufacturing pure. C. A. Brackelsberg. No. 1,103,258; July 14; Gaz. vol. 204; p. 409.
- Iron ores and the like, Briquetting. G. Cruslus. No. 1,116,024; Nov. 3; Gaz. vol. 208; p. 191.
- Iron ores, Briquetting. W. Mathesius. No. 1,104,124; July 21; Gaz. vol. 204; p. 748.
- Iron, Pile-planking of rolled. P. Schiffer. No. 1,085,492; Jan. 27; Gaz. vol. 198; p. 843.
- Iron, Pile-planking of rolled. P. Schiffer. No. 1,085,493; Jan. 27; Gaz. vol. 198; p. 843.
- Iron shears, Corrugated-. F. McGorvin. No. 1,112,076; Sept. 29; Gaz. vol. 206; p. 1289.
- Iron sheets and for analogous purposes, Means for securing galvanized-. J. Mitchell and J. Gell. No. 1,108,209; Aug. 25; Gaz. vol. 205; p. 1058.
- Iron sheets and the like, Fastener for corrugated. L. Nagel. No. 1,102,068; June 30; Gaz. vol. 203; p. 1461.
- Iron, steel, and alloys of steel, Cementation of articles of. F. Giolitti. No. 1,093,844; Apr. 21; Gaz. vol. 201; p. 662.
- Iron, Treating cast-. J. E. Johnson, Jr. No. 1,106,817; Aug. 11; Gaz. vol. 205; p. 474.
- Iron, Working pure. R. B. Carnahan, Jr. No. 1,090,115; Mar. 10; Gaz. vol. 200; p. 542.
- Ironing apparatus. M. M. Kane. No. 1,111,467; Sept. 22; Gaz. vol. 206; p. 1043.
- Ironing apparatus, Garment-. H. B. Ferguson. No. 1,123,186; Dec. 29; Gaz. vol. 209; p. 1652.
- Ironing-board. L. M. Carter. No. 1,083,664; Jan. 6; Gaz. vol. 198; p. 134.
- Ironing-board. C. Danielson. No. 1,099,591; June 9; Gaz. vol. 203; p. 463.
- Ironing-board. J. M. Ellison. No. 1,117,817; Nov. 17; Gaz. vol. 208; p. 902.
- Ironing-board. D. W. Hamlin. No. 1,090,708; Mar. 17; Gaz. vol. 200; p. 788.
- Ironing-board. A. W. Heartman. No. 1,111,151; Sept. 22; Gaz. vol. 206; p. 935.
- Ironing-board. W. R. Jacobs. No. 1,092,444; Apr. 7; Gaz. vol. 201; p. 112.
- Ironing-board. R. Jones. No. 1,090,069; Mar. 10; Gaz. vol. 200; p. 526.
- Ironing-board. W. G. Kriehn. No. 1,119,836; Dec. 8; Gaz. vol. 209; p. 358.
- Ironing-board. G. P. McLaughling. No. 1,121,744; Dec. 22; Gaz. vol. 209; p. 1109.
- Ironing-board. G. F. Neher. No. 1,120,965; Dec. 15; Gaz. vol. 209; p. 802.
- Ironing-board. C. Stein. No. 1,110,971; Sept. 15; Gaz. vol. 206; p. 829.
- Ironing-board. W. B. Thurman. No. 1,092,610; Apr. 7; Gaz. vol. 201; p. 168.
- Ironing-board and ladder, Combined. E. Jurkowski. No. 1,107,527; Aug. 18; Gaz. vol. 205; p. 771.
- Ironing-board and ladder, Combined. P. Panchula. No. 1,101,709; June 30; Gaz. vol. 203; p. 1333.
- Ironing-board and step-ladder, Combination. A. P. Dulgeroff. No. 1,117,645; Nov. 17; Gaz. vol. 208; p. 840.
- Ironing-table and step-ladder, Combined. S. S. Bronarsky. No. 1,108,092; Aug. 18; Gaz. vol. 205; p. 970.
- Ironing-board and step-ladder, Combined folding. W. B. La Masters. No. 1,101,294; June 23; Gaz. vol. 203; p. 1140.
- Ironing-board attachment. G. F. Ramm. No. 1,084,482; Jan. 13; Gaz. vol. 198; p. 433.
- Ironing-board attachment for tables. J. and L. Melbach. No. 1,100,599; June 16; Gaz. vol. 203; p. 844.
- Ironing-board-cover fastener. T. M. Brookman. No. 1,083,796; Jan. 6; Gaz. vol. 198; p. 176.
- Ironing-board-cover holder. E. T. Barstow. No. 1,112,350; Sept. 29; Gaz. vol. 206; p. 1385.
- Ironing-board, Folding. J. A. Harris. No. 1,121,092; Dec. 15; Gaz. vol. 209; p. 848.
- Ironing-boards and the like, Stand for. C. F. Miller. No. 1,114,790; Oct. 27; Gaz. vol. 207; p. 968.
- Ironing-boards, Stretching device for. W. Bartholomew. No. 1,085,525; Jan. 27; Gaz. vol. 198; p. 854.
- Ironing-machine. A. R. Gustafson. No. 1,086,292; Feb. 3; Gaz. vol. 199; p. 248.
- Ironing-machine. A. R. Gustafson. No. 1,097,016; May 19; Gaz. vol. 202; p. 707.
- Ironing-machine. A. R. Gustafson. No. 1,113,554; Oct. 13; Gaz. vol. 207; p. 443.
- Ironing-machine. A. T. Hagen and D. M. Cooper. No. 1,115,187; Oct. 27; Gaz. vol. 207; p. 1110.
- Ironing-machine. W. B. Keighley. No. 1,098,266; May 26; Gaz. vol. 202; p. 1189.
- Ironing-machine. C. H. Mattice. No. 1,122,970; Dec. 29; Gaz. vol. 209; p. 1574.
- Ironing-machine. O. D. Purington. No. 1,100,096; June 16; Gaz. vol. 203; p. 673.
- Ironing-machine. M. J. Reilly. No. 1,089,365; Mar. 3; Gaz. vol. 200; p. 235.
- Ironing-machine. C. F. Roberg and A. A. Malmberg. No. 1,105,207; July 28; Gaz. vol. 204; p. 1171.
- Ironing-machine. C. W. Sadler. No. 1,110,828; Sept. 15; Gaz. vol. 206; p. 779.
- Ironing-machine. F. C. Wendell. No. 1,118,712; Nov. 24; Gaz. vol. 208; p. 1253.
- Ironing-machine. W. A. Zeidler. No. 1,086,498; Feb. 10; Gaz. vol. 199; p. 365.
- Ironing machine, Collar-. J. J. Selteneich. No. 1,120,415; Dec. 8; Gaz. vol. 209; p. 560.

Alphabetical list of inventions—Continued.

- Ironing machine, Collar-. J. J. Seltenreich. No. 1,120,416; Dec. 8; Gaz. vol. 209; p. 561.
- Ironing machine, Corset-. W. Somers and S. S. Dimond. No. 1,119,893; Dec. 8; Gaz. vol. 209; p. 377.
- Ironing-table. A. E. Langworthy. No. 1,119,436; Dec. 1; Gaz. vol. 209; p. 185.
- Ironing-table. F. J. Muldoon. No. 1,091,006; Mar. 24; Gaz. vol. 200; p. 921.
- Ironing-table. J. Petersen. No. 1,100,774; June 23; Gaz. vol. 203; p. 958.
- Ironing-table. T. E. Pope. No. 1,098,682; June 2; Gaz. vol. 203; p. 111.
- Ironing-table. J. F. Sargent. No. 1,098,333; May 26; Gaz. vol. 202; p. 1213.
- Ironing-tree. L. W. G. Flynt. No. 1,087,229; Feb. 17; Gaz. vol. 199; p. 671.
- Irrigating apparatus. C. W. Skinner. No. 1,104,839; July 28; Gaz. vol. 204; p. 1044.
- Irrigating-canals, Locking means for gates of. F. N. Cronholm. No. 1,121,170; Dec. 15; Gaz. vol. 209; p. 876.
- Irrigating-conduit. J. E. Schneider. No. 1,112,724; Oct. 6; Gaz. vol. 207; p. 111.
- Irrigating dividing-boxes, Latch device for. C. H. McCarty. No. 1,111,914; Sept. 29; Gaz. vol. 206; p. 1237.
- Irrigating system. J. P. Campbell. No. 1,111,734; Sept. 29; Gaz. vol. 206; p. 1169.
- Irrigating system. A. Tregoning. No. 1,104,586; July 21; Gaz. vol. 204; p. 908.
- Irrigation coil-wheel. J. A. Beck. No. 1,108,675; Aug. 25; Gaz. vol. 205; p. 1219.
- Irrigation device. L. B. Demuth. No. 1,112,271; Sept. 29; Gaz. vol. 206; p. 1359.
- Irrigation-module, Constant-discharge. J. E. Barieau. No. 1,108,090; Aug. 18; Gaz. vol. 205; p. 969.
- Irrigation-pipe. J. R. Cooke and J. T. Cooper. No. 1,114,967; Oct. 27; Gaz. vol. 207; p. 1031.
- Irrigator, Automatic. H. C. Heath. No. 1,085,609; Feb. 3; Gaz. vol. 199; p. 11.
- Irrigator, Traveling. J. C. Searle. No. 1,107,119; Aug. 11; Gaz. vol. 205; p. 576.
- Iso-olefins, Producing. O. Graul. No. 1,102,655; July 7; Gaz. vol. 204; p. 153.
- Isoprene, Making. C. Ruder. No. 1,087,261; Feb. 17; Gaz. vol. 199; p. 682.
- Isoprene, Manufacturing synthetic. C. K. F. L. Gross. No. 1,099,498; June 9; Gaz. vol. 203; p. 430.
- Isoprene, Producing. R. B. Earle and L. P. Kyriakides. No. 1,106,290; Aug. 4; Gaz. vol. 205; p. 242.
- Isoprene, Producing. L. P. Kyriakides. No. 1,094,223; Apr. 21; Gaz. vol. 201; p. 789.
- Isoprene, Producing. L. P. Kyriakides and R. B. Earle. No. 1,094,222; Apr. 21; Gaz. vol. 201; p. 788.
- Isoprene, Producing. F. Webel. No. 1,098,859; June 2; Gaz. vol. 203; p. 170.
- Isoprene, Production of. A. Heinemann. No. 1,095,395; May 5; Gaz. vol. 202; p. 75.
- Jack: See Auto turn-jack; Automobile-jack; Automobile lifting-jack; Automobile wheel-jack; Barrel-jack; Combination-jack; Crow-jack; Floor-jack; Heel-nailing-machine jack; Hoisting-jack; Hydraulic jack; Hydraulic casing-jack; Ladder-jack; Leveling-machine jack; Lever-jack; Lift-jack; Lifting-jack; Lumber-jack; Over-shoe-jack; Pneumatic jack; Pulling-jack; Repair-jack; Screw-jack; Shoe-machine jack; Shoemaker's jack; Smoke-jack; Vehicle-jack; Vehicle lift-jack; Wagon-jack.
- Jack. L. C. Berman. No. 1,100,344; June 16; Gaz. vol. 203; p. 758.
- Jack. I. E. Hindman. No. 1,093,269; Apr. 14; Gaz. vol. 201; p. 428.
- Jack. T. P. Jones. No. 1,113,015; Oct. 6; Gaz. vol. 207; p. 209.
- Jack. H. H. Lampert. No. 1,097,338; May 19; Gaz. vol. 202; p. 822.
- Jack. P. J. Maloney. No. 1,087,598; Feb. 17; Gaz. vol. 199; p. 799.
- Jack. A. O. Ricketts. No. 1,100,619; June 16; Gaz. vol. 203; p. 851.
- Jack. I. A. Weaver. No. 1,088,049; Feb. 24; Gaz. vol. 199; p. 1002.
- Jack. I. A. Weaver. No. 1,114,829; Oct. 27; Gaz. vol. 207; p. 982.
- Jack and drop, Combined. R. M. De Vignier. No. 1,092,964; Apr. 14; Gaz. vol. 201; p. 323.
- Jack and signal, Combined. A. F. Dixon. No. 1,100,358; June 16; Gaz. vol. 203; p. 764.
- Jack for portable hoists. H. A. Rudd and F. B. Collins. No. 1,109,148; Sept. 1; Gaz. vol. 206; p. 103.
- Jack for raising automobiles and other vehicles. W. G. Peugh. No. 1,108,000; Aug. 18; Gaz. vol. 205; p. 937.
- Jack-rest. D. Goodnow. No. 1,120,809; Dec. 15; Gaz. vol. 209; p. 747.
- Jack-spool and fastener. H. O. Taft. No. 1,100,504; June 16; Gaz. vol. 203; p. 814.
- Jacket. E. T. Forrester. No. 1,111,222; Sept. 22; Gaz. vol. 206; p. 960.
- Jacket, Floating. W. N. Bryers. No. 1,090,596; Mar. 17; Gaz. vol. 200; p. 752.
- Jacketed can. W. A. Sexton. No. 1,122,431; Dec. 29; Gaz. vol. 209; p. 1385.
- Jacquard. T. A. B. Carver. No. 1,083,801; Jan. 6; Gaz. vol. 198; p. 178.
- Jacquard-card, Blank. E. Maag. No. 1,093,142; Apr. 14; Gaz. vol. 201; p. 385.
- Jacquard-machine, Electric. K. Fanta. A. Regal, H. Vietze, and N. Wessely. No. 1,091,882; Mar. 31; Gaz. vol. 200; p. 1266.
- Jar: See Drill-jar; Preserve-jar; Preserving-jar; Show-jar; Well-drill jar.
- Jar cap and handle. E. L. Bean. No. 1,094,192; Apr. 21; Gaz. vol. 201; p. 778.
- Jar-cap straightener, Fruit-. C. E. Helke. No. 1,083,444; Jan. 6; Gaz. vol. 198; p. 62.
- Jar-closure. C. G. Overmyer. No. 1,114,703; Oct. 20; Gaz. vol. 207; p. 884.
- Jar-closure. G. H. Womelsdorf. No. 1,105,391; July 28; Gaz. vol. 204; p. 1240.
- Jar holding and spacing means. F. Wilcox. No. 1,105,734; Aug. 4; Gaz. vol. 205; p. 52.
- Jar-molding machine. W. Lewis. No. 1,113,795; Oct. 13; Gaz. vol. 207; p. 526.
- Jar-opener. F. W. Dickerman. No. 1,110,908; Sept. 15; Gaz. vol. 206; p. 809.
- Jar-opener. G. M. Duvall. No. 1,111,998; Sept. 29; Gaz. vol. 206; p. 1263.
- Jars, &c., Closure for. A. L. Weissenthanner. No. 1,108,645; Aug. 25; Gaz. vol. 205; p. 1209.
- Jarring apparatus for packing granular materials. E. Tscherning. No. 1,102,367; July 7; Gaz. vol. 204; p. 50.
- Jaw-trap. J. H. Hutchinson. No. 1,100,977; June 23; Gaz. vol. 203; p. 1031.
- Jaw-trap. G. F. Petty. No. 1,122,151; Dec. 22; Gaz. vol. 209; p. 1251.
- Jet apparatus. W. Dobson. No. 1,090,975; Mar. 24; Gaz. vol. 200; p. 911.
- Jewel-box, Safety. R. Hopkins. No. 1,094,788; Apr. 28; Gaz. vol. 201; p. 1043.
- Jewel-gage. F. W. Seidl. No. 1,093,360; Apr. 14; Gaz. vol. 201; p. 459.
- Jewel-setter, Roller. J. E. Ford. No. 1,092,345; Apr. 7; Gaz. vol. 201; p. 77.
- Jewel-setting. D. Brevetti. No. 1,099,634; June 9; Gaz. vol. 203; p. 477.
- Jewels, Machine for manufacturing bearing-. H. Miller and F. Mueller. No. 1,097,726; May 26; Gaz. vol. 202; p. 1000.
- Jeweler's assembling-machine. F. O. Harris. No. 1,094,144; Apr. 21; Gaz. vol. 201; p. 761.
- Jeweler's tongs. G. E. Wisman. No. 1,108,299; Aug. 25; Gaz. vol. 205; p. 1091.
- Jewelry. H. Brassler. No. 1,099,484; June 9; Gaz. vol. 203; p. 426.
- Jewelry-box. J. R. Sundee. No. 1,098,768; June 2; Gaz. vol. 203; p. 140.
- Jewelry-catch. D. Elliott. (Reissue.) No. 13,741; May 26; Gaz. vol. 202; p. 1230.
- Jewelry, &c., Machine for drying and polishing articles of. H. B. Richardson. No. 1,093,078; Apr. 14; Gaz. vol. 201; p. 362.
- Jewelry-pin. R. W. Adams and B. D. Potts. No. 1,120,116; Dec. 8; Gaz. vol. 209; p. 454.
- Jewelry purposes, Extensible tube for. F. Döppenschmitt. No. 1,117,986; Nov. 24; Gaz. vol. 208; p. 999.
- Jewelry safety device. H. Miller. No. 1,100,389; June 16; Gaz. vol. 203; p. 775.
- Jig. G. H. Elmore and O. H. Bohm. No. 1,102,574; July 7; Gaz. vol. 204; p. 124.
- Jig-plunger. G. H. Elmore and H. V. Croll. No. 1,108,558; Aug. 25; Gaz. vol. 205; p. 1180.
- Jigging-machine. O. Bohm and W. M. McCoy. No. 1,091,035; Mar. 24; Gaz. vol. 200; p. 933.
- Jigging-machine. K. Schuchard. No. 1,098,979; June 2; Gaz. vol. 203; p. 211.
- Jigging-machine. E. Schuchard. No. 1,118,239; Nov. 24; Gaz. vol. 208; p. 1085.
- Jimmy-proof lock. A. Yurow. No. 1,102,118; June 30; Gaz. vol. 203; p. 1479.
- Jock-strap. A. B. Kendrick. No. 1,092,488; Apr. 7; Gaz. vol. 201; p. 127.
- Joinery, Splice for. W. Craine. No. 1,101,786; June 30; Gaz. vol. 203; p. 1359.
- Joining materials. C. F. Heinkel. No. 1,090,533; Mar. 17; Gaz. vol. 200; p. 731.
- Joint: See Ankle-joint; Ball-joint; Bed-joint; Bedstead-joint; Bracelet-joint; Corner-joint; Crate-joint; Dovetail joint; Expansion-joint; Expansion and contraction joint; Fixture-joint; Flexible joint; Insulating-joint; Knee-joint; Leg-joint; Lock-joint; Pavement-joint; Pin-joint; Pipe-joint; Plate-edge joint; Radiator-joint; Rail-joint; Railway-rail joint; Sash-joint; Sash-bar joint; Tool-joint; Tube-joint; Tube or pipe joint; Universal joint; Welded joint; Wind-shield joint.
- Joint. J. A. Gabel. No. 1,110,621; Sept. 15; Gaz. vol. 206; p. 707.
- Joint. W. P. Hammond. No. 1,108,363; Aug. 25; Gaz. vol. 205; p. 1111.
- Joint casing, Universal-. C. Schmidt. No. 1,097,368; May 19; Gaz. vol. 202; p. 832.

Alphabetical list of inventions—Continued.

- Joint-closure. M. J. Doner. No. 1,100,233; June 16; Gaz. vol. 203; p. 720.
- Joint coupling, Universal-. A. Loomis. No. 1,096,850; May 19; Gaz. vol. 202; p. 649.
- Joint for crossing bars. J. Degenhardt. No. 1,095,560; May 5; Gaz. vol. 202; p. 133.
- Joint for longitudinal members. B. L. Mallory. No. 1,111,480; Sept. 22; Gaz. vol. 206; p. 1047.
- Joint for pitchforks, &c. G. W. Cox. No. 1,120,449; Dec. 8; Gaz. vol. 209; p. 574.
- Joint for take-down squares. J. H. Shaw. No. 1,121,766; Dec. 22; Gaz. vol. 209; p. 1117.
- Joint-plate. A. Moyer. No. 1,092,848; Apr. 14; Gaz. vol. 201; p. 285.
- Joint, Slip-. E. C. Watters. No. 1,119,130; Dec. 1; Gaz. vol. 209; p. 80.
- Joint structure. J. Prash, Sr., and S. Tripp. No. 1,085,481; Jan. 27; Gaz. vol. 198; p. 839.
- Joints, Forming. W. A. Darrah. No. 1,090,456; Mar. 17; Gaz. vol. 200; p. 705.
- Jointed-handle wrench, Adjustable. H. M. Sprague. No. 1,090,506; Mar. 17; Gaz. vol. 200; p. 721.
- Jointer-guard. G. Peter. No. 1,111,671; Sept. 22; Gaz. vol. 206; p. 1114.
- Joist-hanger. L. S. Sherwood. No. 1,105,851; Aug. 4; Gaz. vol. 205; p. 93.
- Joist-hanger bender. L. Schaffer. No. 1,120,630; Dec. 8; Gaz. vol. 209; p. 638.
- Jolt ramming-machine. E. H. Mumford. No. 1,105,821; Aug. 4; Gaz. vol. 205; p. 82.
- Jolt ramming mechanism. E. H. Mumford. No. 1,091,077; Mar. 24; Gaz. vol. 200; p. 947.
- Journal-bearing. G. W. Allen. No. 1,115,369; Oct. 27; Gaz. vol. 207; p. 1171.
- Journal-bearing. C. H. Charlson. No. 1,101,615; June 30; Gaz. vol. 203; p. 1302.
- Journal-bearing. C. Dunning. No. 1,085,853; Feb. 3; Gaz. vol. 199; p. 97.
- Journal-bearing. M. Gohlke. No. 1,096,805; May 12; Gaz. vol. 202; p. 591.
- Journal-bearing. H. Hess. No. 1,095,863; May 5; Gaz. vol. 202; p. 234.
- Journal-bearing. C. F. Hotchkiss. No. 1,116,065; Nov. 3; Gaz. vol. 208; p. 205.
- Journal-bearing. H. F. Schroder. No. 1,116,634; Nov. 10; Gaz. vol. 208; p. 445.
- Journal-bearing. J. Tichy. No. 1,086,872; Feb. 10; Gaz. vol. 199; p. 498.
- Journal-bearing. W. J. Windisch. No. 1,118,457; Nov. 24; Gaz. vol. 208; p. 1165.
- Journal-bearing. Antifriction. W. W. Schiesl. No. 1,092,174; Apr. 7; Gaz. vol. 201; p. 17.
- Journal-box. F. L. Barber. No. 1,118,621; Nov. 24; Gaz. vol. 208; p. 1222.
- Journal-box. R. H. Bowen. No. 1,101,831; June 30; Gaz. vol. 203; p. 1375.
- Journal-box. A. O. Buckius, Jr. No. 1,099,964; June 16; Gaz. vol. 203; p. 627.
- Journal-box. D. J. Carson and J. A. Lanigan. No. 1,112,118; Sept. 29; Gaz. vol. 206; p. 1303.
- Journal-box. W. E. Crist. No. 1,083,905; Jan. 6; Gaz. vol. 198; p. 208.
- Journal-box. D. C. Davis. No. 1,123,110; Dec. 29; Gaz. vol. 209; p. 1623.
- Journal-box. J. T. Hay. No. 1,110,388; Sept. 15; Gaz. vol. 206; p. 624.
- Journal-box. W. P. Neighbors. No. 1,117,426; Nov. 17; Gaz. vol. 208; p. 762.
- Journal-box. I. A. Randel. No. 1,090,085; Mar. 10; Gaz. vol. 200; p. 531.
- Journal-box. F. A. Roberts. No. 1,112,936; Oct. 6; Gaz. vol. 207; p. 183.
- Journal-box. A. L. Streeter. No. 1,123,149; Dec. 29; Gaz. vol. 209; p. 1639.
- Journal-box. W. J. Sutliff. No. 1,092,306; Apr. 7; Gaz. vol. 201; p. 64.
- Journal-box, Adjustable. F. E. Buxton. No. 1,109,642; Sept. 1; Gaz. vol. 206; p. 276.
- Journal-box and lid. J. F. Corvin. No. 1,106,628; Aug. 11; Gaz. vol. 205; p. 409.
- Journal-box, Car-axle. H. H. Hewitt. No. 1,098,500; June 2; Gaz. vol. 203; p. 50.
- Journal-box cooler. B. Julien. No. 1,102,516; July 7; Gaz. vol. 204; p. 102.
- Journal-box, Crank-shaft. F. A. Roberts. No. 1,117,705; Nov. 17; Gaz. vol. 208; p. 862.
- Journal-box for armature-shafts. J. W. Jepson and W. F. Bouché. No. 1,116,288; Nov. 3; Gaz. vol. 208; p. 279.
- Journal-box lid. C. H. Kasch. No. 1,110,207; Sept. 8; Gaz. vol. 206; p. 520.
- Journal-box lid. J. A. Lamon. No. 1,109,074; Sept. 1; Gaz. vol. 206; p. 77.
- Journal-box lid. J. S. McWhirter. No. 1,096,383; May 12; Gaz. vol. 202; p. 448.
- Journal-box lid. J. F. O'Connor. No. 1,120,230; Dec. 8; Gaz. vol. 209; p. 496.
- Journal-box lid. G. A. Woodman. No. 1,086,008; Feb. 3; Gaz. vol. 199; p. 154.
- Journal-box lock-lid. E. R. Schroeder. No. 1,097,946; May 26; Gaz. vol. 202; p. 1079.
- Journal-box, Lubricating. E. L. Sharpneck. No. 1,100,403; June 16; Gaz. vol. 203; p. 780.
- Journal-box, Lubricating. I. Szot-Czeten. No. 1,088,044; Feb. 24; Gaz. vol. 199; p. 1001.
- Journal-box-lubricating device. J. M. Lassman. No. 1,104,361; July 21; Gaz. vol. 204; p. 829.
- Journal-box lubricator. J. Dutchman. No. 1,119,584; Dec. 1; Gaz. vol. 209; p. 237.
- Journal-box, Movable. O. L. Raabe. No. 1,102,801; July 7; Gaz. vol. 204; p. 202.
- Journal-box packing-guard. N. J. Rogers. No. 1,090,414; Mar. 17; Gaz. vol. 200; p. 689.
- Journal-box packing-guard. N. J. Rogers. No. 1,113,050; Oct. 6; Gaz. vol. 207; p. 220.
- Journal-box-securing mechanism. A. O. Buckius, Jr. No. 1,093,170; Apr. 14; Gaz. vol. 201; p. 395.
- Journal-box-securing mechanism. A. O. Buckius, Jr. No. 1,109,959; Sept. 8; Gaz. vol. 206; p. 431.
- Journal-box take-up, Automatic. J. T. Hay. No. 1,108,366; Aug. 25; Gaz. vol. 205; p. 1112.
- Journal-box tie-strap. F. L. Barber. No. 1,115,886; Nov. 3; Gaz. vol. 208; p. 142.
- Journal-box waste-guard. C. W. Renner. No. 1,108,004; Aug. 18; Gaz. vol. 205; p. 938.
- Journal-box, Wear-compensating. C. Selvert. No. 1,112,425; Sept. 29; Gaz. vol. 206; p. 1412.
- Journal-boxes, Die-press for forming railway-car. G. Thompson. No. 1,106,902; Aug. 11; Gaz. vol. 205; p. 504.
- Journal-boxes, Making. I. A. Randel. No. 1,089,585; Mar. 10; Gaz. vol. 200; p. 360.
- Jug. C. H. Glazier. No. 1,104,490; July 21; Gaz. vol. 204; p. 875.
- Jug or similar vessel. W. H. Redington. No. 1,110,402; Sept. 15; Gaz. vol. 206; p. 629.
- Jugs, &c., Top for. C. S. Baron. No. 1,115,768; Nov. 3; Gaz. vol. 208; p. 102.
- Juggler's paraphernalia. F. P. Littlejohn. No. 1,122,137; Dec. 22; Gaz. vol. 209; p. 1246.
- Juice-extractor. H. K. More. No. 1,122,296; Dec. 29; Gaz. vol. 209; p. 1341.
- Junction-block. A. Plesh. No. 1,111,271; Sept. 22; Gaz. vol. 206; p. 977.
- Junction-board. H. M. Mack and W. P. Andrick. No. 1,122,290; Dec. 29; Gaz. vol. 209; p. 1339.
- Junction-box. A. I. Appleton. No. 1,119,057; Dec. 1; Gaz. vol. 209; p. 56.
- Junction-box. C. W. Davis. No. 1,107,499; Aug. 18; Gaz. vol. 205; p. 762.
- Junction-box. J. F. Wagner. No. 1,090,805; Mar. 17; Gaz. vol. 200; p. 820.
- Junction-box coupling, Self-locking. A. W. Weikert and J. Pettibone. No. 1,106,761; Aug. 11; Gaz. vol. 205; p. 455.
- Junction-box for electrical conductors. C. W. Davis. No. 1,093,607; Apr. 21; Gaz. vol. 201; p. 580.
- Junction-boxes, Device for securing conductors to. M. C. Rosenfeld. No. 1,101,963; June 30; Gaz. vol. 203; p. 1423.
- Justifying with hot metal. R. Langseth. No. 1,090,818; Mar. 17; Gaz. vol. 200; p. 824.
- Justifying with hot metal, Apparatus for. R. Langseth. No. 1,094,367; Apr. 21; Gaz. vol. 201; p. 833.
- Kafr and cane header. C. E. Karnes. No. 1,085,209; Jan. 27; Gaz. vol. 198; p. 746.
- Kaleidoscopic container. L. H. and H. R. Freund. No. 1,109,123; Sept. 1; Gaz. vol. 206; p. 93.
- Keg. M. Lachman. No. 1,112,298; Sept. 29; Gaz. vol. 206; p. 1366.
- Keg, Metallic. W. R. Kinnear. No. 1,092,999; Apr. 14; Gaz. vol. 201; p. 335.
- Keg or cask. F. J. Huettelman, A. F. Cramer, F. A. Schaum, and H. C. Wiedeman. No. 1,086,826; Feb. 10; Gaz. vol. 199; p. 481.
- Keg or cask, Metal. L. V. Mather. No. 1,121,930; Dec. 22; Gaz. vol. 209; p. 1176.
- Keg-washing machine. J. H. G. Zunner. No. 1,090,263; Mar. 17; Gaz. vol. 200; p. 635.
- Kelp reduction. H. Wilson. No. 1,116,965; Nov. 10; Gaz. vol. 208; p. 561.
- Keto compounds from ketones and alkylaminomethanes, Producing. G. Merling, O. Chrzescinski, and H. Köhler. No. 1,094,159; Apr. 21; Gaz. vol. 201; p. 768.
- Keto compounds from ketones and tetraalkyldiaminomethanes, Producing. G. Merling, O. Chrzescinski, and H. Köhler. No. 1,094,160; Apr. 21; Gaz. vol. 201; p. 768.
- Ketone and producing same. A. B. Davis. No. 1,114,735; Oct. 27; Gaz. vol. 207; p. 948.
- Kettle. J. Szunyik. No. 1,089,164; Mar. 3; Gaz. vol. 200; p. 171.
- Kettle. F. J. Weber. No. 1,083,716; Jan. 6; Gaz. vol. 198; p. 152.
- Kettle, Glue-. F. G. Perkins. No. 1,109,143; Sept. 1; Gaz. vol. 206; p. 100.
- Kettle, Glue-. F. G. Perkins. No. 1,109,144; Sept. 1; Gaz. vol. 206; p. 101.
- Kettle, Heating-. W. H. Gailor. No. 1,086,911; Feb. 10; Gaz. vol. 199; p. 510.
- Kettle, Varnish-. L. Hambrock, Jr. No. 1,106,142; Aug. 4; Gaz. vol. 205; p. 195.

Alphabetical list of inventions—Continued.

- Key: See Burglar-proof key; Calling-key; Four-party key; Multiple key; Plaster-key; Register-key; Ringing-key Switch-key; Telegraph-key; Type-writer key.
- Key. J. L. Ryan. No. 1,094,478; Apr. 28; Gaz. vol. 201; p. 934.
- Key-chuck, Removable. V. J. O'Brien. No. 1,086,783; Feb. 10; Gaz. vol. 199; p. 466.
- Key duplicating and recording machine. H. D. Barrett and M. Aldrich. No. 1,086,883; Feb. 10; Gaz. vol. 199; p. 501.
- Key-duplicating machine. A. H. Gussman. No. 1,105,769; Aug. 4; Gaz. vol. 205; p. 64.
- Key-duplicating machine. A. V. Jensen. No. 1,087,949; Feb. 24; Gaz. vol. 199; p. 966.
- Key-fastening device. W. R. Concie. No. 1,104,106; July 21; Gaz. vol. 204; p. 742.
- Key for rotary elements. J. C. Duckworth. No. 1,103,403; July 14; Gaz. vol. 204; p. 455.
- Key-guard. O. S. Lindstrom. No. 1,109,931; Sept. 8; Gaz. vol. 206; p. 422.
- Key-guide. R. K. Mulford. No. 1,088,237; Feb. 24; Gaz. vol. 199; p. 1067.
- Key-guide. I. E. Wade. No. 1,105,472; July 28; Gaz. vol. 204; p. 1268.
- Key-lock. C. Robinson. No. 1,109,787; Sept. 8; Gaz. vol. 206; p. 368.
- Key-plunger unit. E. B. Craft. No. 1,099,915; June 16; Gaz. vol. 203; p. 610.
- Key-pouch. G. B. Easton. No. 1,110,760; Sept. 15; Gaz. vol. 206; p. 756.
- Key-ring. J. H. Boye. No. 1,110,873; Sept. 15; Gaz. vol. 206; p. 797.
- Key-ring. W. Hornich, Jr. No. 1,094,568; Apr. 28; Gaz. vol. 201; p. 964.
- Key-ring holder. F. A. Toce. No. 1,095,247; May 5; Gaz. vol. 202; p. 25.
- Key-ring lock. D. C. En Earl. No. 1,092,031; Mar. 31; Gaz. vol. 200; p. 1313.
- Key-seat-broaching machine. F. J. Lapointe. No. 1,109,847; Sept. 8; Gaz. vol. 206; p. 390.
- Key-seating machines, Clamping device for. W. J. Winston. No. 1,111,203; Sept. 22; Gaz. vol. 206; p. 954.
- Keys, Making. S. C. Merrick. No. 1,112,020; Sept. 29; Gaz. vol. 206; p. 1270.
- Keys, Mechanism for electrically indicating and recording lock-. A. L. Sohm. No. 1,112,571; Oct. 6; Gaz. vol. 207; p. 57.
- Keyboard for perforating apparatus, Electromagnetically-controlled. B. Soldatencow. No. 1,100,501; June 16; Gaz. vol. 203; p. 813.
- Keyboard mechanism for line-composing machines. T. S. Homans. No. 1,102,923; July 7; Gaz. vol. 204; p. 243.
- Keyboard tape-perforator. E. E. Kleinschmidt. No. 1,085,984; Feb. 3; Gaz. vol. 199; p. 145.
- Keyboard tape-perforator. E. E. Kleinschmidt. No. 1,085,985; Feb. 3; Gaz. vol. 199; p. 145.
- Keyhole-guard. F. Berger-Hahnel. No. 1,105,544; July 28; Gaz. vol. 204; p. 1291.
- Keyhole-guard. F. B. Jaeger. No. 1,097,639; May 26; Gaz. vol. 202; p. 968.
- Keyhole-guard. A. Kerry. No. 1,101,450; June 23; Gaz. vol. 203; p. 1192.
- Keyhole-guard for multiple-key locks. B. F. Klohs. No. 1,118,427; Nov. 24; Gaz. vol. 208; p. 1153.
- Keyhole-guide. W. F. Hammond, Jr. No. 1,112,133; Sept. 29; Gaz. vol. 206; p. 1309.
- Keyhole-guide. J. Robinson. No. 1,110,963; Sept. 15; Gaz. vol. 206; p. 827.
- Keyhole-lock. W. P. Hyatt and J. W. Brown. No. 1,120,816; Dec. 15; Gaz. vol. 209; p. 750.
- Kier for conditioning textile material. I. E. Palmer. No. 1,094,922; Apr. 28; Gaz. vol. 201; p. 1089.
- Kiln: See Brick-kiln; Continuous kiln; Dry-kiln; Drying-kiln; Porcelain-kiln; Rotary kiln; Varnish-kiln.
- Kiln. C. Hultgren. No. 1,110,787; Sept. 15; Gaz. vol. 206; p. 765.
- Kiln. E. P. Stevens. No. 1,111,871; Sept. 29; Gaz. vol. 206; p. 1223.
- Kiln and heater, Combination. C. D. Allan. No. 1,099,632; June 9; Gaz. vol. 203; p. 476.
- Kiln-burner. J. T. Underwood. No. 1,105,723; Aug. 4; Gaz. vol. 205; p. 49.
- Kiln burner, Clay-. E. Szöcs. No. 1,104,017; July 21; Gaz. vol. 204; p. 711.
- Kiln, furnace, &c. H. O. Robinson and C. Steadman. (Reissue.) No. 1,377,4; July 14; Gaz. vol. 204; p. 644.
- Kilns and retorts, Heating. D. S. Jacobus. No. 1,086,716; Feb. 10; Gaz. vol. 199; p. 442.
- Kilns, Heating mechanism for. T. Carey and L. Schabloske. No. 1,115,171; Oct. 27; Gaz. vol. 207; p. 1104.
- Kilns, Process and apparatus for removing adherent material from nodulizing-. F. B. Dutton. No. 1,117,814; Nov. 17; Gaz. vol. 208; p. 901.
- Kimono. N. M. Peters. No. 1,104,445; July 21; Gaz. vol. 204; p. 858.
- Kindler for fire-wood. J. Gessner. No. 1,114,602; Oct. 20; Gaz. vol. 207; p. 849.
- Kinematograph apparatus. W. H. Anderson. No. 1,106,069; Aug. 4; Gaz. vol. 205; p. 169.
- Kinematograph apparatus, Electric control for. W. H. Anderson. No. 1,103,858; July 14; Gaz. vol. 204; p. 616.
- Kinematograph-films, Apparatus for jointing the ends of. G. Schultze. No. 1,121,765; Dec. 22; Gaz. vol. 209; p. 1117.
- Kinematograph-views, also available as an ordinary photographic apparatus, Apparatus for taking. J. J. Debrle. No. 1,087,083; Feb. 10; Gaz. vol. 199; p. 566.
- Kinematographic apparatus. T. H. Bolam and S. N. Barnard. No. 1,116,377; Nov. 10; Gaz. vol. 208; p. 351.
- Kinematographic apparatus. E. A. Ivatts. No. 1,113,351; Oct. 13; Gaz. vol. 207; p. 370.
- Kinematographic apparatus. M. Smith. No. 1,105,163; July 28; Gaz. vol. 204; p. 1155.
- Kinematographic apparatus, Mechanism for intermittently advancing the film in. L. Gaumont. No. 1,084,938; Jan. 20; Gaz. vol. 198; p. 618.
- Kinematographic apparatus utilizing the usual photographic films. A. de Giglio. No. 1,109,575; Sept. 1; Gaz. vol. 206; p. 251.
- Kinematographic film. S. Cocanari. No. 1,085,724; Feb. 3; Gaz. vol. 199; p. 51.
- Kinematographic film, Colored. S. Cocanari. No. 1,102,878; July 7; Gaz. vol. 204; p. 228.
- Kinematographic films, Plastic material used in the manufacture of. H. Danzer. No. 1,089,910; Mar. 10; Gaz. vol. 200; p. 472.
- Kinematographic-picture screen. P. A. W. Jurschewitz. No. 1,118,289; Nov. 24; Gaz. vol. 208; p. 1103.
- Kinematographic pictures, Device for the interruption of the projection of. C. C. A. E. Wiese. No. 1,120,577; Dec. 8; Gaz. vol. 209; p. 619.
- Kinetographic apparatus. A. and L. Chronik. No. 1,106,080; Aug. 4; Gaz. vol. 205; p. 172.
- Kinetscope. T. H. Blair. No. 1,108,122; Aug. 25; Gaz. vol. 205; p. 1027.
- Kinetscope. A. F. Gall. No. 1,117,659; Nov. 17; Gaz. vol. 208; p. 845.
- Kinetscope. J. Oertly. No. 1,093,646; Apr. 21; Gaz. vol. 201; p. 594.
- Kinetscope-shutter-setting device. J. A. Le Roy. No. 1,102,767; July 7; Gaz. vol. 204; p. 190.
- Kinetscopes, Film-feeding mechanism for. W. J. Symons, R. J. Boyle, and W. A. Blaind. (Reissue.) No. 1,382,4; Nov. 10; Gaz. vol. 208; p. 624.
- Kinetscopes or kinematographic apparatus, Shutter mechanism for. L. Hermand. No. 1,115,196; Oct. 27; Gaz. vol. 207; p. 1113.
- King-bolt. G. H. Brackman. No. 1,098,089; May 26; Gaz. vol. 202; p. 1129.
- Kitchen device. I. E. Sager. No. 1,099,822; June 9; Gaz. vol. 203; p. 540.
- Kitchen-fork. O. E. Pontious. No. 1,083,296; Jan. 6; Gaz. vol. 198; p. 13.
- Kitchen, lavatory, and laundry appliance, Sanitary. W. C. James. No. 1,102,411; July 7; Gaz. vol. 204; p. 67.
- Kitchen-sink. J. Berg. No. 1,083,583; Jan. 6; Gaz. vol. 198; p. 107.
- Kitchen utensil. T. A. Burke. No. 1,116,988; Nov. 10; Gaz. vol. 208; p. 569.
- Kitchen utensil. H. A. Haas. No. 1,100,298; June 16; Gaz. vol. 203; p. 744.
- Kitchen utensil. R. J. Haverty and A. Eckenrod. No. 1,106,809; Aug. 11; Gaz. vol. 205; p. 471.
- Kitchen utensil. E. G. Hines. No. 1,109,418; Sept. 1; Gaz. vol. 206; p. 200.
- Kitchen utensil. A. L. Palmer. No. 1,100,489; June 16; Gaz. vol. 203; p. 809.
- Kitchen utensil. J. M. Selden. No. 1,123,019; Dec. 29; Gaz. vol. 209; p. 1592.
- Kitchen-ventilating apparatus. A. S. Johnson. No. 1,087,380; Feb. 17; Gaz. vol. 199; p. 723.
- Kitchenette, Portable. C. L. Hunter. No. 1,084,211; Jan. 13; Gaz. vol. 198; p. 347.
- Kite. W. A. Bochau. No. 1,105,058; July 28; Gaz. vol. 204; p. 1121.
- Kite. E. Niehoff. No. 1,103,817; July 14; Gaz. vol. 204; p. 602.
- Kite. J. Stippick. No. 1,092,303; Apr. 7; Gaz. vol. 201; p. 63.
- Kite, Folding. W. S. Baker. No. 1,111,637; Sept. 22; Gaz. vol. 206; p. 1102.
- Kneading apparatus, Mechanical. R. Monnier. No. 1,107,980; Aug. 18; Gaz. vol. 205; p. 929.
- Kneading machine, Dough-. J. W. V. Mason. No. 1,104,814; July 28; Gaz. vol. 204; p. 1036.
- Knee-guard. H. R. Hart. No. 1,092,836; Apr. 14; Gaz. vol. 201; p. 280.
- Knee-joint for artificial legs. C. B. Winn. No. 1,115,361; Oct. 27; Gaz. vol. 207; p. 1168.
- Knee, Knickerbocker-. M. J. Lieberman. No. 1,113,662; Oct. 13; Gaz. vol. 207; p. 478.
- Knee-pad. J. V. Andrews. No. 1,087,863; Feb. 17; Gaz. vol. 199; p. 890.
- Knee-pad, Cotton-picker's. W. A. Boynton. No. 1,090,446; Mar. 17; Gaz. vol. 200; p. 701.
- Knee-protector. T. J. Crowley. No. 1,117,168; Nov. 17; Gaz. vol. 208; p. 670.
- Knee-rest. W. F. Peoples. No. 1,090,408; Mar. 17; Gaz. vol. 200; p. 687.

Alphabetical list of inventions—Continued.

- Knee-rest for crutches. N. E. Graves. No. 1,120,305; Dec. 8; Gaz. vol. 209; p. 522.
- Knife: See Band-knife; Band-cutter knife; Chopping-machine knife; Coring and paring knife; Corn-knife; Corn-heading knife; Culinary knife; Flexible knife; Header-knife; Metal-cutting knife; Paring-knife; Pocket-knife; Stamping-knife; Surgeon's knife.
- Knife. G. Armitage. No. 1,095,617; May 5; Gaz. vol. 202; p. 152.
- Knife. J. H. Boye. No. 1,114,221; Oct. 20; Gaz. vol. 207; p. 716.
- Knife. A. J. Jacques. No. 1,105,080; July 28; Gaz. vol. 204; p. 1129.
- Knife. K. H. Roth. No. 1,090,416; Mar. 17; Gaz. vol. 200; p. 689.
- Knife. O. F. Swasey. No. 1,089,019; Mar. 3; Gaz. vol. 200; p. 118.
- Knife. W. A. Yerzley. No. 1,087,342; Feb. 17; Gaz. vol. 199; p. 709.
- Knife attachment, Paring-. H. D. Jones. No. 1,099,052; June 2; Gaz. vol. 203; p. 234.
- Knife-blade-swaging machine. T. R. Moore. No. 1,091,074; Mar. 24; Gaz. vol. 200; p. 946.
- Knife-clamp. A. Bates. No. 1,117,628; Nov. 17; Gaz. vol. 208; p. 833.
- Knife cleaning and polishing device. J. Coyle. No. 1,096,354; May 12; Gaz. vol. 202; p. 440.
- Knife cleaning and polishing machine. E. Kolppen. No. 1,093,437; Apr. 14; Gaz. vol. 201; p. 484.
- Knife-post. E. H. Scott. No. 1,119,992; Dec. 8; Gaz. vol. 209; p. 411.
- Knife-switch. C. Schuster. No. 1,086,622; Feb. 10; Gaz. vol. 199; p. 410.
- Knife wiper, Bottom-trimming-. D. Petri-Palmedo. No. 1,108,391; Aug. 25; Gaz. vol. 205; p. 1122.
- Knife wiper, Side-. E. F. Goddard. No. 1,108,357; Aug. 25; Gaz. vol. 205; p. 1109.
- Knives, Forming. E. L. Hurd. No. 1,090,153; Mar. 17; Gaz. vol. 200; p. 597.
- Knives, Inserting rivets in reblade-. J. V. Weckbaugh. No. 1,109,094; Sept. 1; Gaz. vol. 206; p. 84.
- Knives, Making. P. Z. Kohlhaas. No. 1,114,889; Oct. 27; Gaz. vol. 207; p. 1003.
- Knives, spoons, and other utensils, Holder for. W. J. Gibbons. No. 1,120,924; Dec. 15; Gaz. vol. 209; p. 789.
- Knit article and making the same. R. W. Scott. No. 1,106,336; Aug. 4; Gaz. vol. 205; p. 258.
- Knit fabric and knitting the same, Seamless tubular. W. E. Smith. No. 1,120,419; Dec. 8; Gaz. vol. 209; p. 562.
- Knit fabric and making the same, Weltd. R. W. Scott. No. 1,113,166; Oct. 6; Gaz. vol. 207; p. 261.
- Knit fabrics, Machine for uniting. W. C. Wright. No. 1,092,885; Apr. 14; Gaz. vol. 201; p. 296.
- Knit undergarment. J. H. Reaney. No. 1,118,802; Nov. 24; Gaz. vol. 208; p. 1282.
- Knitted collar for vests and coats. F. G. Curtis. No. 1,105,407; July 28; Gaz. vol. 204; p. 1244.
- Knitted fabric. J. Kellner and S. Worms. No. 1,103,589; July 14; Gaz. vol. 204; p. 522.
- Knitted garment. W. N. Daniels. No. 1,094,884; Apr. 28; Gaz. vol. 201; p. 1076.
- Knitted web. R. W. Scott. No. 1,087,688; Feb. 17; Gaz. vol. 199; p. 832.
- Knitted web. R. W. Scott. No. 1,118,063; Nov. 24; Gaz. vol. 208; p. 1025.
- Knitted web and making same, Ribbed. R. W. Scott. No. 1,087,689; Feb. 17; Gaz. vol. 199; p. 833.
- Knitted web and making the same, Weltd. R. W. Scott. No. 1,096,566; May 12; Gaz. vol. 202; p. 510.
- Knitted web and making the same, Weltd. R. W. Scott. (Reissue.) No. 13,788; Aug. 18; Gaz. vol. 205; p. 978.
- Knitted web, Fleeced. R. W. Scott. No. 1,118,062; Nov. 24; Gaz. vol. 208; p. 1025.
- Knitting fabrics. R. W. Scott. No. 1,093,359; Apr. 14; Gaz. vol. 201; p. 459.
- Knitting fabrics having ribbed sections. R. W. Scott. No. 1,097,734; May 26; Gaz. vol. 202; p. 1003.
- Knitting fleece-lined fabric, Mechanism for. J. C. Tauber. No. 1,114,414; Oct. 20; Gaz. vol. 207; p. 784.
- Knitting-machine. T. Branson. No. 1,115,650; Nov. 3; Gaz. vol. 208; p. 63.
- Knitting-machine. W. A. Ingalls. No. 1,121,251; Dec. 15; Gaz. vol. 209; p. 902.
- Knitting-machine. J. L. Kihlqvist. No. 1,112,456; Oct. 6; Gaz. vol. 207; p. 15.
- Knitting-machine. J. A. P. Kramer. No. 1,116,444; Nov. 10; Gaz. vol. 208; p. 374.
- Knitting-machine. G. W. Lindley. No. 1,100,750; June 23; Gaz. vol. 203; p. 950.
- Knitting-machine. G. D. Mayo. No. 1,107,816; Aug. 18; Gaz. vol. 205; p. 873.
- Knitting-machine. N. McFadden and A. E. Stewart. No. 1,083,690; Jan. 6; Gaz. vol. 198; p. 143.
- Knitting-machine. J. A. Mills. No. 1,084,559; Jan. 13; Gaz. vol. 198; p. 460.
- Knitting-machine. A. S. Musgrove. No. 1,095,164; Apr. 28; Gaz. vol. 201; p. 1174.
- Knitting-machine. J. F. Nelson. No. 1,087,545; Feb. 17; Gaz. vol. 199; p. 781.
- Knitting-machine. H. Peters. No. 1,120,332; Dec. 8; Gaz. vol. 209; p. 531.
- Knitting-machine. F. Pope and E. E. Randall. No. 1,096,946; May 19; Gaz. vol. 202; p. 684.
- Knitting-machine. F. W. Robinson. No. 1,119,877; Dec. 8; Gaz. vol. 209; p. 371.
- Knitting-machine. W. F. Rolston. No. 1,090,119; Mar. 10; Gaz. vol. 200; p. 544.
- Knitting-machine. H. Swinglehurst. No. 1,115,128; Oct. 27; Gaz. vol. 207; p. 1089.
- Knitting-machine. E. H. Walker. No. 1,086,570; Feb. 10; Gaz. vol. 199; p. 392.
- Knitting-machine. F. Wilcomb. No. 1,100,806; June 23; Gaz. vol. 203; p. 970.
- Knitting-machine. F. B. Wildman and G. L. Ballard. No. 1,106,763; Aug. 11; Gaz. vol. 205; p. 455.
- Knitting-machine. L. N. D. Williams. No. 1,116,190; Nov. 3; Gaz. vol. 208; p. 247.
- Knitting-machine. L. N. D. Williams. No. 1,120,578; Dec. 8; Gaz. vol. 209; p. 619.
- Knitting machine, Automatic circular-. J. Lawson. No. 1,111,844; Sept. 29; Gaz. vol. 206; p. 1212.
- Knitting machine, Circular-. W. H. and R. Blackburn. No. 1,084,194; Jan. 13; Gaz. vol. 198; p. 342.
- Knitting machine, Circular-. R. W. Gormly. No. 1,117,032; Nov. 10; Gaz. vol. 208; p. 584.
- Knitting machine, Circular-. E. E. Kilbourn, W. E. Smith, and I. W. Kilbourn. No. 1,087,954; Feb. 24; Gaz. vol. 199; p. 969.
- Knitting machine, Circular-. E. E. Kilbourn, W. E. Smith, and I. W. Kilbourn. No. 1,092,577; Apr. 7; Gaz. vol. 201; p. 156.
- Knitting machine, Circular-. E. Paquette. No. 1,092,166; Apr. 7; Gaz. vol. 201; p. 14.
- Knitting machine, Circular-. W. E. Smith. No. 1,092,301; Apr. 7; Gaz. vol. 201; p. 62.
- Knitting machine, Circular-. W. E. Smith. No. 1,121,681; Dec. 22; Gaz. vol. 209; p. 1088.
- Knitting machine, Circular-. H. Swinglehurst. No. 1,087,698; Feb. 17; Gaz. vol. 199; p. 835.
- Knitting machine, Circular-. H. H. West. No. 1,117,935; Nov. 17; Gaz. vol. 208; p. 939.
- Knitting machine, Circular-. H. H. West. No. 1,117,936; Nov. 17; Gaz. vol. 208; p. 939.
- Knitting machine, Circular-. H. H. West. No. 1,117,937; Nov. 17; Gaz. vol. 208; p. 940.
- Knitting machine, Circular-. H. H. West. No. 1,122,560; Dec. 29; Gaz. vol. 209; p. 1429.
- Knitting machine, Circular-. F. Wilcomb. No. 1,086,968; Feb. 10; Gaz. vol. 199; p. 529.
- Knitting machine, Circular-. F. Wilcomb. No. 1,100,805; June 23; Gaz. vol. 203; p. 970.
- Knitting machine, Circular-. F. B. Wildman and G. L. Ballard. No. 1,106,764; Aug. 11; Gaz. vol. 205; p. 456.
- Knitting-machine, Circular French-welt. F. B. Wildman and G. L. Ballard. No. 1,105,735; Aug. 4; Gaz. vol. 205; p. 53.
- Knitting-machine cutting mechanism. J. H. Adamee. No. 1,103,922; July 14; Gaz. vol. 204; p. 637.
- Knitting - machine cylinder. H. Swinglehurst. No. 1,115,129; Oct. 27; Gaz. vol. 207; p. 1089.
- Knitting-machine dog. G. L. Ballard. No. 1,101,388; June 23; Gaz. vol. 203; p. 1171.
- Knitting-machine feeding attachment. J. A. Wutsch. No. 1,097,115; May 19; Gaz. vol. 202; p. 743.
- Knitting-machine needle. F. Pope and E. E. Randall. No. 1,096,945; May 19; Gaz. vol. 202; p. 683.
- Knitting-machine needle. E. E. Randall. No. 1,121,287; Dec. 15; Gaz. vol. 209; p. 914.
- Knitting-machine needle. R. W. Scott. No. 1,097,732; May 26; Gaz. vol. 202; p. 1002.
- Knitting-machine needle. L. N. D. Williams. No. 1,114,420; Oct. 20; Gaz. vol. 207; p. 786.
- Knitting-machine needle. L. N. D. Williams. No. 1,120,989; Dec. 15; Gaz. vol. 209; p. 810.
- Knitting-machine needle-carrier. L. N. D. Williams. No. 1,115,140; Oct. 27; Gaz. vol. 207; p. 1093.
- Knitting-machine needle-controlling transfer means. J. H. Zens. No. 1,084,778; Jan. 20; Gaz. vol. 198; p. 565.
- Knitting-machine pattern-controlled stop mechanism. A. Gee. No. 1,110,322; Sept. 15; Gaz. vol. 206; p. 600.
- Knitting machine, Rib-. W. D. Butz. No. 1,120,444; Dec. 8; Gaz. vol. 209; p. 572.
- Knitting machine, Rib-. R. W. Scott. No. 1,083,564; Jan. 6; Gaz. vol. 198; p. 101.
- Knitting machine, Rib-. R. W. Scott. No. 1,097,733; May 26; Gaz. vol. 202; p. 1002.
- Knitting machine, Rib-. R. W. Scott. No. 1,114,539; Oct. 20; Gaz. vol. 207; p. 830.
- Knitting-machine speed-changing and stopping device. H. Swinglehurst. No. 1,116,161; Nov. 3; Gaz. vol. 208; p. 238.
- Knitting-machine stop mechanism. A. M. Pigeon. No. 1,113,246; Oct. 13; Gaz. vol. 207; p. 333.
- Knitting-machine stop-motion. W. W. Burke. No. 1,096,890; May 19; Gaz. vol. 202; p. 663.
- Knitting-machine stop-motions, Detector device of. H. Swinglehurst. No. 1,099,408; June 9; Gaz. vol. 203; p. 400.
- Knitting-machine yarn-changing device. H. Swinglehurst. No. 1,093,362; Apr. 14; Gaz. vol. 201; p. 460.

Alphabetical list of inventions--Continued.

- Knitting-machines, Automatic stopping mechanism for. H. W. Anthony and C. M. Gerhard. No. 1,097,503; May 19; Gaz. vol. 202; p. 878.
- Knitting machines, Needle-cylinder for circular-. H. Swinglehurst. No. 1,089,021; Mar. 3; Gaz. vol. 200; p. 119.
- Knitting machines, Yarn-feeding mechanism for circular-. H. H. West. No. 1,118,713; Nov. 24; Gaz. vol. 208; p. 1253.
- Knitting ribbed fabrics. R. W. Scott. No. 1,094,482; Apr. 28; Gaz. vol. 201; p. 935.
- Knitting selvaged fabrics. R. W. Scott. No. 1,094,347; Apr. 21; Gaz. vol. 201; p. 826.
- Knitting selvaged fabrics. R. W. Scott. (Reissue.) No. 13,752; June 16; Gaz. vol. 203; p. 882.
- Knob, Door-. R. Grieser. No. 1,090,615; Mar. 17; Gaz. vol. 200; p. 759.
- Knob, Door-. R. Grieser. No. 1,090,616; Mar. 17; Gaz. vol. 200; p. 760.
- Knob, Door-. W. C. Harlow and H. L. Towle. No. 1,103,963; July 21; Gaz. vol. 204; p. 694.
- Knob, Door-. H. G. Voight. No. 1,100,636; June 16; Gaz. vol. 203; p. 856.
- Knob-fastening. H. B. Collins. No. 1,085,543; Jan. 27; Gaz. vol. 198; p. 859.
- Knob-positioning device for door-locks. G. N. Mason. No. 1,099,659; June 9; Gaz. vol. 203; p. 486.
- Knob-lock. G. Wilson. No. 1,090,772; Mar. 17; Gaz. vol. 200; p. 808.
- Knob-shank fastener. T. E. Crouch. No. 1,084,316; Jan. 13; Gaz. vol. 198; p. 382.
- Knob spindle, Swivel-. W. H. De Wolfe. No. 1,100,232; June 16; Gaz. vol. 203; p. 720.
- Knob, Utensil-. E. C. Frisk and E. C. Anderson. No. 1,099,033; June 2; Gaz. vol. 203; p. 227.
- Knockdown box. J. C. Calmeyn. No. 1,099,422; June 9; Gaz. vol. 203; p. 405.
- Knockdown box. L. D. Merrill. No. 1,107,174; Aug. 11; Gaz. vol. 205; p. 599.
- Knockdown box. G. L. Morrison. No. 1,104,821; July 28; Gaz. vol. 204; p. 1038.
- Knockdown box. I. Naylor and H. B. Ruggles. No. 1,095,345; May 5; Gaz. vol. 202; p. 59.
- Knockdown box. J. Surmann. No. 1,099,104; June 2; Gaz. vol. 203; p. 249.
- Knockdown carrier for fragile receptacles. A. C. Benners. No. 1,091,907; Mar. 31; Gaz. vol. 200; p. 1274.
- Knockdown frame. H. H. Padgett and L. L. Bookout. No. 1,103,823; July 14; Gaz. vol. 204; p. 603.
- Knockdown paper box. W. C. Dambman. No. 1,121,582; Dec. 15; Gaz. vol. 209; p. 1017.
- Knockdown table. E. B. Weston. No. 1,097,697; May 26; Gaz. vol. 202; p. 989.
- Knockdown table, chair, and the like. O. Pascale. No. 1,118,677; Nov. 24; Gaz. vol. 208; p. 1241.
- Knot-tying device. A. B. Edmands. No. 1,112,367; Sept. 29; Gaz. vol. 206; p. 1392.
- Knot-tying implement. J. F. Matthews. No. 1,094,915; Apr. 28; Gaz. vol. 201; p. 1087.
- Knotter. B. H. and R. N. Bunn. No. 1,097,527; May 19; Gaz. vol. 202; p. 885.
- Knotting appliance. M. Poege, Jr. No. 1,099,128; June 2; Gaz. vol. 203; p. 257.
- Knotting mechanisms, Wear-compensating means for. W. Parliament. No. 1,104,999; July 28; Gaz. vol. 204; p. 1099.
- Kodak-support. L. F. Smith. No. 1,115,253; Oct. 27; Gaz. vol. 207; p. 1133.
- Label-affixing machine. H. C. Greene. No. 1,115,664; Nov. 3; Gaz. vol. 208; p. 68.
- Label, Can-. J. G. Wood. No. 1,093,233; Apr. 14; Gaz. vol. 201; p. 416.
- Label-case, Druggist's. B. B. Fees and E. W. Schneider. No. 1,097,409; May 19; Gaz. vol. 202; p. 845.
- Label cutting and folding machine. A. Rosenthal. No. 1,104,316; July 21; Gaz. vol. 204; p. 813.
- Label, Detachably-secured. J. French. No. 1,093,985; Apr. 21; Gaz. vol. 201; p. 708.
- Label for hair switches. M. Muller. No. 1,091,076; Mar. 24; Gaz. vol. 200; p. 946.
- Label gumming and attaching machine. E. Jagenberg. No. 1,100,741; June 23; Gaz. vol. 203; p. 947.
- Label-holder. R. A. Mizell. No. 1,119,303; Dec. 1; Gaz. vol. 209; p. 138.
- Label-holder. H. E. Walsh. No. 1,112,501; Oct. 6; Gaz. vol. 207; p. 31.
- Label-holder and return-label. T. W. Burns. No. 1,110,038; Sept. 8; Gaz. vol. 206; p. 459.
- Label pasting and marking machine. J. R. Johnson, C. S. Hamilton, and R. D. Van Dyne. No. 1,108,583; Aug. 25; Gaz. vol. 205; p. 1189.
- Label, strip, or sheet applying mechanism. E. L. Brownson. No. 1,118,734; Nov. 24; Gaz. vol. 208; p. 1260.
- Label-strips, Feeding and cutting device for. M. H. Ballard. No. 1,085,077; Jan. 20; Gaz. vol. 198; p. 664.
- Labels, drawings, and pictures, Device for holding. H. R. Dill. No. 1,097,009; May 19; Gaz. vol. 202; p. 704.
- Labels or tags to articles for the laundry, &c., Machine for applying. J. French. No. 1,085,117; Jan. 27; Gaz. vol. 198; p. 715.
- Labels to fabrics at measured distances apart, Apparatus for applying. R. H. Anderson. No. 1,092,556; Apr. 7; Gaz. vol. 201; p. 148.
- Labeling cylindrical packages, Machine for. W. H. Leister and H. F. Schaeffer. No. 1,101,200; June 23; Gaz. vol. 203; p. 1108.
- Labeling-machine. G. L. Bender and J. G. Rapp. No. 1,091,793; Mar. 31; Gaz. vol. 200; p. 1234.
- Labeling-machine. L. D. Castor and A. Kiefer. No. 1,106,925; Aug. 11; Gaz. vol. 205; p. 513.
- Labeling-machine. F. Coates. No. 1,088,208; Feb. 24; Gaz. vol. 199; p. 1057.
- Labeling-machine. F. H. Knapp. No. 1,091,850; Mar. 31; Gaz. vol. 200; p. 1254.
- Labeling-machine. F. H. Knapp and C. W. Blackstone. No. 1,106,100; Aug. 4; Gaz. vol. 205; p. 181.
- Labeling-machine. M. M. Mueller. No. 1,121,390; Dec. 15; Gaz. vol. 209; p. 950.
- Labeling-machine. A. T. Weiss. No. 1,086,572; Feb. 10; Gaz. vol. 199; p. 393.
- Labeling-machine. E. P. Wetmore. No. 1,102,832; July 7; Gaz. vol. 204; p. 214.
- Labeling-machine. F. O. Woodland. No. 1,113,854; Oct. 13; Gaz. vol. 207; p. 547.
- Labeling-machine. F. O. Woodland. No. 1,113,855; Oct. 13; Gaz. vol. 207; p. 547.
- Labeling-machine. F. O. Woodland. No. 1,113,856; Oct. 13; Gaz. vol. 207; p. 548.
- Labeling-machine, Automatic. T. M. Foote. No. 1,090,388; Mar. 17; Gaz. vol. 200; p. 679.
- Labeling machine, Box-. M. J. Milmo. No. 1,091,688; Mar. 31; Gaz. vol. 200; p. 1196.
- Labeling machine, Can-. F. H. Knapp. No. 1,100,978; June 23; Gaz. vol. 203; p. 1031.
- Labeling machine, Can-. F. H. Knapp. No. 1,108,188; Aug. 25; Gaz. vol. 205; p. 1050.
- Labeling machine, Can-. A. P. and O. H. Wagner. No. 1,094,349; Apr. 21; Gaz. vol. 201; p. 827.
- Labeling-machine for labeling bottles, parcels, &c. W. Rhefus and O. Widmaier. No. 1,098,841; June 2; Gaz. vol. 203; p. 164.
- Labeling machines, Delivery mechanism for. J. Alemany. No. 1,108,876; Sept. 1; Gaz. vol. 206; p. 3.
- Lace curtains and like materials, Machine for folding. A. Burgess, J. G. and M. O. Rehfuß. No. 1,085,537; Jan. 27; Gaz. vol. 198; p. 857.
- Lace fabric and making same. J. Waterfield. No. 1,110,845; Sept. 15; Gaz. vol. 206; p. 785.
- Lace fastener, Shoe-. C. Taketoshi. No. 1,105,541; July 28; Gaz. vol. 204; p. 1290.
- Lace-fastening device, Shoe-. M. Spangenberg. No. 1,094,262; Apr. 21; Gaz. vol. 201; p. 801.
- Lace holder, Shoe-. N. M. De Lany. No. 1,090,297; Mar. 24; Gaz. vol. 200; p. 1021.
- Lace-machine. J. Farigoule. No. 1,112,996; Oct. 6; Gaz. vol. 207; p. 203.
- Lace-making machine. W. Bisdorf. No. 1,098,217; May 26; Gaz. vol. 202; p. 1172.
- Lace-making machine, Pillow-. A. Matitsch. No. 1,107,335; Aug. 18; Gaz. vol. 205; p. 702.
- Lace-tensioning device. J. A. Leechman. No. 1,113,566; Oct. 13; Gaz. vol. 207; p. 446.
- Lace tip, Shoe-. C. R. Jeffords. No. 1,115,204; Oct. 27; Gaz. vol. 207; p. 1117.
- Lacer, Shoe-. J. J. Thomas. No. 1,083,775; Jan. 6; Gaz. vol. 198; p. 171.
- Lacing device. G. W. Ayres. No. 1,094,357; Apr. 21; Gaz. vol. 201; p. 829.
- Lacing device, Shoe-. J. Bonifant. No. 1,123,077; Dec. 29; Gaz. vol. 209; p. 1613.
- Lacing device, Shoe-. J. O. Nadeau. No. 1,090,333; Mar. 17; Gaz. vol. 200; p. 659.
- Lacing-holder. C. H. Worth and B. Leon. No. 1,090,438; Mar. 17; Gaz. vol. 200; p. 698.
- Lacing-hook. L. S. Macdonald. No. 1,117,413; Nov. 17; Gaz. vol. 208; p. 758.
- Lacing hook or stud. E. H. Robertson. No. 1,090,942; Mar. 24; Gaz. vol. 200; p. 899.
- Lacing-hook-setting machine. E. Curran. No. 1,121,327; Dec. 15; Gaz. vol. 209; p. 928.
- Lacing-hook-setting machine. A. R. Havener. No. 1,098,899; June 2; Gaz. vol. 203; p. 184.
- Lacing-hook-setting machines, Raceway for. A. H. Jenkins and V. L. Murray. No. 1,095,576; May 5; Gaz. vol. 202; p. 138.
- Lacing-hook-setting machines, Top gage for. A. R. Havener. No. 1,091,572; Mar. 31; Gaz. vol. 200; p. 1157.
- Lacing machine, Belt-. A. Rahrer. No. 1,084,229; Jan. 13; Gaz. vol. 198; p. 354.
- Lacing-studs, Machine for inserting. A. H. Shipley. No. 1,085,878; Feb. 3; Gaz. vol. 199; p. 106.
- Lacing-tip. F. Wiberley. No. 1,099,479; June 9; Gaz. vol. 203; p. 424.
- Lacing, Tipped. E. A. Gallison. No. 1,108,738; Aug. 25; Gaz. vol. 205; p. 1241.
- Lacquered or protective-coated can. J. G. Hodgson. No. 1,094,899; Apr. 28; Gaz. vol. 201; p. 1081.
- Lactid. Manufacture of. R. Grüter and H. Pohl. No. 1,095,205; May 5; Gaz. vol. 202; p. 11.

Alphabetical list of inventions—Continued.

- Ladder. A. Brown. No. 1,097,522; May 19; Gaz. vol. 202; p. 884.
- Ladder. F. A. Creed. No. 1,091,635; Mar. 31; Gaz. vol. 200; p. 1178.
- Ladder. H. Dunderdale. No. 1,118,404; Nov. 24; Gaz. vol. 208; p. 1144.
- Ladder. A. Hartzler. No. 1,113,436; Oct. 13; Gaz. vol. 207; p. 402.
- Ladder. M. H. Hoffman. No. 1,093,419; Apr. 14; Gaz. vol. 201; p. 478.
- Ladder. L. W. Noyes. No. 1,101,949; June 30; Gaz. vol. 203; p. 1418.
- Ladder. Y. Okamiya. No. 1,109,357; Sept. 1; Gaz. vol. 206; p. 179.
- Ladder. S. W. Perkins. No. 1,085,629; Feb. 3; Gaz. vol. 199; p. 17.
- Ladder. J. J. Robel. No. 1,084,033; Jan. 13; Gaz. vol. 198; p. 287.
- Ladder. I. E. Shoop. No. 1,090,241; Mar. 17; Gaz. vol. 200; p. 628.
- Ladder. T. Thompson. No. 1,101,359; June 23; Gaz. vol. 203; p. 1161.
- Ladder and ironing-board, Combination. S. Fedorcio. No. 1,114,742; Oct. 27; Gaz. vol. 207; p. 950.
- Ladder and ironing-board, Combined step-. W. H. Angell. No. 1,111,818; Sept. 29; Gaz. vol. 206; p. 1203.
- Ladder and ironing-board, Combined step-. W. H. Ehrstine and D. E. Hess. No. 1,120,800; Dec. 15; Gaz. vol. 209; p. 744.
- Ladder and ironing-board, Combined step-. J. A. Pastaleniec. No. 1,107,443; Aug. 18; Gaz. vol. 205; p. 742.
- Ladder and ironing-table, Foldable step-. A. Miller. No. 1,095,413; May 5; Gaz. vol. 202; p. 82.
- Ladder and chair, Combined. J. C. Christiansen. No. 1,085,592; Feb. 3; Gaz. vol. 199; p. 5.
- Ladder and scaffold-support, Combined. E. H. Morrison. No. 1,116,098; Nov. 3; Gaz. vol. 208; p. 217.
- Ladder and the like, Teter-. W. S. Tothill. No. 1,113,384; Oct. 13; Gaz. vol. 207; p. 383.
- Ladder attachment. J. N. Farnham. No. 1,115,420; Oct. 27; Gaz. vol. 207; p. 1189.
- Ladder-bracket. M. V. Rush. No. 1,112,660; Oct. 6; Gaz. vol. 207; p. 89.
- Ladder, Car-. G. L. Allen. No. 1,109,100; Sept. 1; Gaz. vol. 206; p. 86.
- Ladder, Collapsible extension-. J. R. Gordon. No. 1,100,823; June 23; Gaz. vol. 203; p. 976.
- Ladder, Combination-. J. R. Graham. No. 1,096,903; May 19; Gaz. vol. 202; p. 668.
- Ladder, Combination-. H. Serrell. No. 1,096,396; May 12; Gaz. vol. 202; p. 452.
- Ladder, Convertible. R. G. Ping. No. 1,102,682; July 7; Gaz. vol. 204; p. 160.
- Ladder, Extension-. J. Detrik. No. 1,112,122; Sept. 29; Gaz. vol. 206; p. 1305.
- Ladder, Extension-. P. E. Johnson and E. Anderson. No. 1,116,073; Nov. 3; Gaz. vol. 208; p. 207.
- Ladder, Extension-. H. and S. M. Pisarz. No. 1,089,864; Mar. 10; Gaz. vol. 200; p. 455.
- Ladder, Extension-. E. Weil and M. Deady. No. 1,089,608; Mar. 10; Gaz. vol. 200; p. 369.
- Ladder, Folding. C. O. Michel. No. 1,101,808; June 30; Gaz. vol. 203; p. 1368.
- Ladder, Folding extension-. L. O. Garraway. No. 1,085,563; Jan. 27; Gaz. vol. 198; p. 866.
- Ladder, Folding step-. L. O. Garraway. No. 1,108,896; Sept. 1; Gaz. vol. 206; p. 12.
- Ladder, Folding step-. J. Dybeck. No. 1,091,311; Mar. 24; Gaz. vol. 200; p. 1026.
- Ladder-foot. F. Delsie. No. 1,095,823; May 5; Gaz. vol. 202; p. 222.
- Ladder-foot, Adjustable. W. D. Osterhoudt. No. 1,088,167; Feb. 24; Gaz. vol. 199; p. 1043.
- Ladder-foot, Adjustable. W. D. Osterhoudt. No. 1,088,168; Feb. 24; Gaz. vol. 199; p. 1043.
- Ladder-foot, Adjustable. W. D. Osterhoudt. No. 1,088,169; Feb. 24; Gaz. vol. 199; p. 1043.
- Ladder for silos. L. C. Timmerman. No. 1,118,385; Nov. 24; Gaz. vol. 208; p. 1138.
- Ladder, Fruit-. E. W. Ryder. No. 1,119,883; Dec. 8; Gaz. vol. 209; p. 374.
- Ladder, Fruit-picker's. O. Lance. No. 1,102,059; June 30; Gaz. vol. 203; p. 1458.
- Ladder-jack. D. F. McHale. No. 1,104,996; July 28; Gaz. vol. 204; p. 1098.
- Ladder lock, Extension-. C. R. Conabee. No. 1,113,413; Oct. 13; Gaz. vol. 207; p. 393.
- Ladder, Scuttle-. G. A. Prall. No. 1,109,460; Sept. 1; Gaz. vol. 206; p. 213.
- Ladder, Self-leveling step-. A. J. Judge. No. 1,117,496; Nov. 17; Gaz. vol. 208; p. 787.
- Ladder-shelf. C. C. Nellis. No. 1,087,603; Feb. 17; Gaz. vol. 199; p. 801.
- Ladder, Ship's. M. J. McArthur. No. 1,098,391; June 2; Gaz. vol. 203; p. 12.
- Ladder, Step-. A. H. Franklin. No. 1,087,286; Feb. 17; Gaz. vol. 199; p. 690.
- Ladder, Step-. D. A. Houston. No. 1,109,228; Sept. 1; Gaz. vol. 206; p. 132.
- Ladder, Step-. D. Jones. No. 1,083,744; Jan. 6; Gaz. vol. 198; p. 161.
- Ladder, Step-. W. P. Newman and H. P. Eaton. No. 1,102,428; July 7; Gaz. vol. 204; p. 73.
- Ladder, Step-. C. G. Reveny. No. 1,114,038; Oct. 20; Gaz. vol. 207; p. 648.
- Ladder, Step-. F. B. Underwood. No. 1,109,559; Sept. 1; Gaz. vol. 206; p. 245.
- Ladder step and bracket. C. S. Winn. No. 1,112,511; Oct. 6; Gaz. vol. 207; p. 34.
- Ladder, Store-. L. Van Brown. No. 1,090,803; Mar. 17; Gaz. vol. 200; p. 819.
- Ladder-support. A. J. Le Vey. No. 1,110,700; Sept. 15; Gaz. vol. 206; p. 735.
- Ladder-support. J. M. Mills, Jr. No. 1,115,559; Nov. 3; Gaz. vol. 208; p. 31.
- Ladder, Truck-. W. McMane and B. F. Carpenter. No. 1,090,222; Mar. 17; Gaz. vol. 200; p. 621.
- Ladder with rescue-car, Extension-. B. F. Carpenter. No. 1,106,698; Aug. 11; Gaz. vol. 205; p. 432.
- Ladders, Automatic lock for extension-. H. C. Russell. No. 1,113,836; Oct. 13; Gaz. vol. 207; p. 541.
- Ladders, Detachable seat for. J. R. Heichel and G. E. Gorz. No. 1,090,712; Mar. 17; Gaz. vol. 200; p. 789.
- Ladders from slipping, Device for preventing. V. Takach. No. 1,091,091; Mar. 24; Gaz. vol. 200; p. 951.
- Ladders, Safety-foot for. G. W. Morrison. No. 1,109,452; Sept. 1; Gaz. vol. 206; p. 210.
- Ladders, Scaffolding or attachment for. E. F. Vallilee. No. 1,106,013; Aug. 4; Gaz. vol. 205; p. 149.
- Ladle, Charging-. D. Brennan. No. 1,102,236; July 7; Gaz. vol. 204; p. 6.
- Ladle for molten metal. S. T. Wellman. No. 1,084,914; Jan. 20; Gaz. vol. 198; p. 610.
- Ladle-holder. M. W. Goldberg. No. 1,110,049; Sept. 8; Gaz. vol. 206; p. 463.
- Ladle-hook. K. C. Hoxie. No. 1,086,772; Feb. 10; Gaz. vol. 199; p. 462.
- Lag-bolts from sheet metal, Forming seamless expansion-shields for. E. G. Diefendorf. No. 1,114,971; Oct. 27; Gaz. vol. 207; p. 1032.
- Lag-plate. M. G. Chase. No. 1,101,059; June 23; Gaz. vol. 203; p. 1060.
- Laminated fabric for garments. N. Zuck and F. G. Pfistner. No. 1,114,569; Oct. 20; Gaz. vol. 207; p. 833.
- Lamp. E. G. K. Anderson. No. 1,122,843; Dec. 29; Gaz. vol. 209; p. 1530.
- Lamp. W. F. Anklaam. No. 1,089,387; Mar. 10; Gaz. vol. 200; p. 289.
- Lamp. F. E. Baldwin. No. 1,099,908; June 16; Gaz. vol. 203; p. 607.
- Lamp. J. U. Barr. No. 1,101,829; June 30; Gaz. vol. 203; p. 1374.
- Lamp. W. O. Batts. No. 1,084,126; Jan. 13; Gaz. vol. 198; p. 318.
- Lamp. W. E. Burcky. No. 1,091,118; Mar. 24; Gaz. vol. 200; p. 961.
- Lamp. W. E. Burcky. No. 1,106,776; Aug. 11; Gaz. vol. 205; p. 460.
- Lamp. W. S. Hamm. No. 1,093,619; Apr. 21; Gaz. vol. 201; p. 585.
- Lamp. W. S. Hamm. No. 1,117,841; Nov. 17; Gaz. vol. 208; p. 909.
- Lamp. A. L. Hansen. No. 1,109,221; Sept. 1; Gaz. vol. 206; p. 130.
- Lamp. E. A. Hawthorne. No. 1,099,087; June 2; Gaz. vol. 203; p. 244.
- Lamp. C. E. Godley. No. 1,088,144; Feb. 24; Gaz. vol. 199; p. 1035.
- Lamp. C. E. Godley. No. 1,093,122; Apr. 14; Gaz. vol. 201; p. 378.
- Lamp. C. E. Godley. No. 1,097,621; May 26; Gaz. vol. 202; p. 961.
- Lamp. C. E. Godley. No. 1,101,021; June 23; Gaz. vol. 203; p. 1046.
- Lamp. D. D. King. No. 1,104,264; July 21; Gaz. vol. 204; p. 795.
- Lamp. G. C. Lynch. No. 1,096,440; May 12; Gaz. vol. 202; p. 468.
- Lamp. G. A. Macbeth. No. 1,119,848; Dec. 8; Gaz. vol. 209; p. 361.
- Lamp. S. Mazzeo. No. 1,088,830; Mar. 3; Gaz. vol. 200; p. 54.
- Lamp. T. O'Brien. No. 1,085,155; Jan. 27; Gaz. vol. 198; p. 728.
- Lamp. W. C. M. Pettingill. No. 1,108,227; Aug. 25; Gaz. vol. 205; p. 1064.
- Lamp. A. Strobl. No. 1,096,069; May 12; Gaz. vol. 202; p. 341.
- Lamp, Acetylene-. F. E. Baldwin. No. 1,083,427; Jan. 6; Gaz. vol. 198; p. 57.
- Lamp, Acetylene-. W. H. Clarkson. No. 1,088,010; Feb. 24; Gaz. vol. 199; p. 989.
- Lamp, Acetylene-. M. Stein. No. 1,106,062; Aug. 4; Gaz. vol. 205; p. 167.
- Lamp, Acetylene-. B. R. Stone. No. 1,091,982; Mar. 31; Gaz. vol. 200; p. 1298.
- Lamp, Acetylene-gas. F. E. Baldwin. No. 1,115,157; Oct. 27; Gaz. vol. 207; p. 1099.
- Lamp, Acetylene-gas. C. Hoppe. No. 1,094,902; Apr. 28; Gaz. vol. 201; p. 1082.

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- Lamp, Alcohol-. E. H. Matkin. No. 1,121,519; Dec. 15; Gaz. vol. 209; p. 994.
- Lamp, Alcohol-. C. Nelson. No. 1,099,191; June 9; Gaz. vol. 203; p. 324.
- Lamp, Alternating-current vapor-. P. H. Thomas. No. 1,110,587; Sept. 15; Gaz. vol. 206; p. 694.
- Lamp and attaching means therefor. J. G. von Jenlson. No. 1,085,384; Jan. 27; Gaz. vol. 198; p. 809.
- Lamp and attachment therefor. A. F. Schneider. No. 1,101,472; June 23; Gaz. vol. 203; p. 1200.
- Lamp and casing, Electric hand-. E. A. Hoopes. No. 1,086,710; Feb. 10; Gaz. vol. 199; p. 440.
- Lamp and connections, Vapor electric. P. C. Hewitt. No. 1,110,559; Sept. 15; Gaz. vol. 206; p. 684.
- Lamp and fuse-testing device, Testing-. C. W. Mitchell. No. 1,109,450; Sept. 1; Gaz. vol. 206; p. 210.
- Lamp, Arc-. A. Blondel and G. Dobkevitch. No. 1,096,411; May 12; Gaz. vol. 202; p. 458.
- Lamp, Arc-. H. E. Davies. No. 1,106,789; Aug. 11; Gaz. vol. 205; p. 464.
- Lamp, Arc-. J. T. H. Dempster. No. 1,091,641; Mar. 31; Gaz. vol. 200; p. 1180.
- Lamp, Arc-. R. Fleming. No. 1,118,408; Nov. 24; Gaz. vol. 208; p. 1146.
- Lamp, Arc-. C. A. B. Halvorson, Jr. No. 1,107,061; Aug. 11; Gaz. vol. 205; p. 557.
- Lamp, Arc-. J. Hårdén. No. 1,088,276; Feb. 24; Gaz. vol. 199; p. 1080.
- Lamp, Arc-. C. C. Hughes. No. 1,087,377; Feb. 17; Gaz. vol. 199; p. 722.
- Lamp, Arc-. H. E. Ringe. No. 1,113,692; Oct. 13; Gaz. vol. 207; p. 489.
- Lamp, Arc-. A. C. Roebuck. No. 1,120,086; Dec. 8; Gaz. vol. 209; p. 443.
- Lamp attachment. A. B. Oppy. No. 1,087,178; Feb. 17; Gaz. vol. 199; p. 651.
- Lamp attachment, Automobile. G. T. Brazelton. No. 1,086,436; Feb. 10; Gaz. vol. 199; p. 344.
- Lamp attachment, Automobile. G. Lokerse. No. 1,096,381; May 12; Gaz. vol. 202; p. 448.
- Lamp, Automobile-. J. L. Day. No. 1,101,122; June 23; Gaz. vol. 203; p. 1081.
- Lamp, Automobile-. W. F. Doerner. No. 1,083,733; Jan. 6; Gaz. vol. 198; p. 159.
- Lamp, Automobile-. W. S. Hamm. No. 1,093,618; Apr. 21; Gaz. vol. 201; p. 584.
- Lamp, Automobile-. S. G. Miller. No. 1,108,512; Aug. 25; Gaz. vol. 205; p. 1164.
- Lamp, Automobile-. M. Vacula. No. 1,092,412; Apr. 7; Gaz. vol. 201; p. 99.
- Lamp, Automobile side. J. G. Perrin. No. 1,096,452; May 12; Gaz. vol. 202; p. 471.
- Lamp, Automobile signal-. G. Holinka. No. 1,090,853; Mar. 24; Gaz. vol. 200; p. 868.
- Lamp-body. M. E. M. Hagnauer and J. J. H. Crepin. No. 1,100,560; June 16; Gaz. vol. 203; p. 831.
- Lamp-bracket. H. L. Erlandsson. No. 1,104,352; July 21; Gaz. vol. 204; p. 827.
- Lamp-bracket. A. H. S. Swan. No. 1,088,848; Mar. 3; Gaz. vol. 200; p. 60.
- Lamp bracket, Electric-. J. Chassaing. No. 1,114,110; Oct. 20; Gaz. vol. 207; p. 676.
- Lamp bulbs, Dimmer for electric-. C. E. Godley. No. 1,120,927; Dec. 15; Gaz. vol. 209; p. 790.
- Lamp-burner. C. C. Briand. No. 1,107,211; Aug. 11; Gaz. vol. 205; p. 611.
- Lamp-burner. F. Dow. No. 1,121,175; Dec. 15; Gaz. vol. 209; p. 878.
- Lamp-burner. G. Eklund. No. 1,109,327; Sept. 1; Gaz. vol. 206; p. 168.
- Lamp-burner. A. J. King. No. 1,093,336; Apr. 14; Gaz. vol. 201; p. 452.
- Lamp-burner. J. A. York. No. 1,095,765; May 5; Gaz. vol. 202; p. 203.
- Lamp-burner attachment. F. T. Higgins. No. 1,112,451; Oct. 6; Gaz. vol. 207; p. 13.
- Lamp-burner attachment. C. P. Smith. No. 1,103,696; July 14; Gaz. vol. 204; p. 562.
- Lamp-burner draft-deflector. E. S. Sanderson. No. 1,087,323; Feb. 17; Gaz. vol. 199; p. 703.
- Lamp burner, Oil-. F. E. Baldwin. No. 1,083,426; Jan. 6; Gaz. vol. 198; p. 57.
- Lamp-burner, Safety. C. B. J. Witmond. No. 1,091,417; Mar. 24; Gaz. vol. 200; p. 1058.
- Lamp-burners, Draft-deflector for. A. M. Coons. No. 1,087,280; Feb. 17; Gaz. vol. 199; p. 688.
- Lamp-chimney. T. B. Dillard. No. 1,112,272; Sept. 29; Gaz. vol. 206; p. 1359.
- Lamp-chimney. W. J. Wambaugh. No. 1,122,049; Dec. 22; Gaz. vol. 209; p. 1218.
- Lamp-chimney holder. D. W. Burgin. No. 1,096,019; May 12; Gaz. vol. 202; p. 323.
- Lamp circuits, Means for regulating electric-. H. Leitner. No. 1,100,584; June 16; Gaz. vol. 203; p. 839.
- Lamp-cleaner. J. O. Beauchesne. No. 1,097,906; May 26; Gaz. vol. 202; p. 1066.
- Lamp control, Automatic head-. M. L. Gordon. No. 1,117,833; Nov. 17; Gaz. vol. 208; p. 907.
- Lamp-controlling device, Gas-. E. Goepper. No. 1,100,727; June 23; Gaz. vol. 203; p. 942.
- Lamp, Convertible signal-. F. W. Dressel. No. 1,122,197; Dec. 22; Gaz. vol. 209; p. 1266.
- Lamp-cord reel. M. I. Randall. No. 1,084,960; Jan. 20; Gaz. vol. 198; p. 625.
- Lamp, Diagnostic. R. H. Wappler. No. 1,087,998; Feb. 24; Gaz. vol. 199; p. 984.
- Lamp, Dirigible. O. E. Meyer. No. 1,111,486; Sept. 22; Gaz. vol. 206; p. 1049.
- Lamp, Dirigible. J. A. Trefzer and C. S. Owen. No. 1,104,021; July 21; Gaz. vol. 204; p. 712.
- Lamp, Dirigible automobile-. S. M. Freeborn. No. 1,097,087; May 19; Gaz. vol. 202; p. 735.
- Lamp, Dirigible automobile-. F. McGregory. No. 1,121,856; Dec. 22; Gaz. vol. 209; p. 1151.
- Lamp, Electric. H. Csanyi. No. 1,102,009; June 30; Gaz. vol. 203; p. 1439.
- Lamp, Electric. H. A. Douglas. No. 1,089,749; Mar. 10; Gaz. vol. 200; p. 417.
- Lamp, Electric. T. P. Driver. No. 1,111,956; Sept. 29; Gaz. vol. 206; p. 1249.
- Lamp, Electric. C. H. Fischer. No. 1,114,976; Oct. 27; Gaz. vol. 207; p. 1034.
- Lamp, Electric. E. A. Hawthorne. No. 1,090,983; Mar. 24; Gaz. vol. 200; p. 913.
- Lamp, Electric. S. M. Hino. No. 1,120,492; Dec. 8; Gaz. vol. 209; p. 589.
- Lamp, Electric. J. C. Stearns. No. 1,115,033; Oct. 27; Gaz. vol. 207; p. 1055.
- Lamp, Electric. C. P. Steinmetz. No. 1,091,715; Mar. 31; Gaz. vol. 200; p. 1205.
- Lamp, Electric. C. P. Steinmetz. No. 1,092,083; Mar. 31; Gaz. vol. 200; p. 1331.
- Lamp, Electric. E. Weintraub. No. 1,086,103; Feb. 3; Gaz. vol. 199; p. 189.
- Lamp, Electric. E. Weintraub. No. 1,086,107; Feb. 3; Gaz. vol. 199; p. 190.
- Lamp, Electric-arc. H. H. Boney. No. 1,083,658; Jan. 6; Gaz. vol. 198; p. 132.
- Lamp, Electric-arc. M. A. Ross. No. 1,118,684; Nov. 24; Gaz. vol. 208; p. 1243.
- Lamp, Electric glow-. F. Blau. No. 1,113,745; Oct. 13; Gaz. vol. 207; p. 509.
- Lamp, Electric glow-. W. Nernst. No. 1,106,960; Aug. 11; Gaz. vol. 205; p. 525.
- Lamp, Electric glow-. W. Nernst. No. 1,106,961; Aug. 11; Gaz. vol. 205; p. 525.
- Lamp, Electric incandescent. E. P. Beckwith. No. 1,115,488; Nov. 3; Gaz. vol. 208; p. 8.
- Lamp, Electric incandescent. E. P. Beckwith. No. 1,122,568; Dec. 29; Gaz. vol. 209; p. 1431.
- Lamp, Electric incandescent. F. Dickenschied. No. 1,118,402; Nov. 24; Gaz. vol. 208; p. 1143.
- Lamp, Electric incandescent. A. S. Knight. No. 1,104,807; July 28; Gaz. vol. 204; p. 1033.
- Lamp, Electric incandescent. R. A. Mahan. No. 1,112,306; Sept. 29; Gaz. vol. 206; p. 1370.
- Lamp, Electric incandescent. J. W. Phelps. No. 1,094,745; Apr. 28; Gaz. vol. 201; p. 1029.
- Lamp, Electric incandescent. J. E. Putter. No. 1,096,859; May 19; Gaz. vol. 202; p. 652.
- Lamp, Electric pocket-. W. Krafft. No. 1,099,381; June 9; Gaz. vol. 203; p. 392.
- Lamp, Electric pocket-. J. G. Swallow. No. 1,119,663; Dec. 1; Gaz. vol. 209; p. 263.
- Lamp, Electric table-. R. S. Giese. No. 1,121,242; Dec. 15; Gaz. vol. 209; p. 898.
- Lamp, Electric vapor arc-. E. Podszus. No. 1,116,480; Nov. 10; Gaz. vol. 208; p. 387.
- Lamp-extinguisher. C. H. Krantz. No. 1,108,503; Aug. 25; Gaz. vol. 205; p. 1161.
- Lamp-extinguisher. M. Sztankovits. No. 1,114,551; Oct. 20; Gaz. vol. 207; p. 833.
- Lamp-extinguisher, Detachable. J. V. Down. No. 1,117,809; Nov. 17; Gaz. vol. 208; p. 899.
- Lamp fitting, Electric-. J. C. Stearns. No. 1,115,032; Oct. 27; Gaz. vol. 207; p. 1054.
- Lamp-fixture. W. E. Lane. No. 1,099,061; June 2; Gaz. vol. 203; p. 236.
- Lamp-fixture. H. D. McFaddin. No. 1,090,929; Mar. 24; Gaz. vol. 200; p. 895.
- Lamp fixture, Electric-. T. Nelsen. No. 1,088,165; Feb. 24; Gaz. vol. 199; p. 1042.
- Lamp fixture, Incandescent-electric-. E. G. Smith and J. J. Dossert. No. 1,119,050; Dec. 1; Gaz. vol. 209; p. 54.
- Lamp, Flame-arc. C. A. B. Halvorson. No. 1,118,414; Nov. 24; Gaz. vol. 208; p. 1148.
- Lamp, Flaming-arc. S. H. Blake. No. 1,104,339; July 21; Gaz. vol. 204; p. 822.
- Lamp, Flash-. O. R. Tucker. No. 1,099,475; June 9; Gaz. vol. 203; p. 423.
- Lamp for automobiles, Electric search-. J. Gallay. No. 1,083,530; Jan. 6; Gaz. vol. 198; p. 90.
- Lamp for clocks, Pendulum-. C. R. Hanson. No. 1,106,807; Aug. 11; Gaz. vol. 205; p. 470.
- Lamp for motor-vehicles. W. H. Juan. No. 1,116,292; Nov. 3; Gaz. vol. 208; p. 280.

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- Lamp for small firearms, Electric. A. L. Webb. No. 1,095,686; May 5; Gaz. vol. 202; p. 175.
- Lamp for vehicles, Dirigible. G. R. Baker. No. 1,110,177; Sept. 8; Gaz. vol. 206; p. 511.
- Lamp for vehicles, Dirigible head-. E. Gray. No. 1,121,824; Dec. 22; Gaz. vol. 209; p. 1138.
- Lamp for vehicles, Electric. K. H. Thompson. No. 1,120,001; Dec. 8; Gaz. vol. 209; p. 415.
- Lamp, Gas-. A. H. Humphrey. No. 1,095,208; May 5; Gaz. vol. 202; p. 12.
- Lamp, Gas-. A. H. Humphrey. No. 1,097,719; May 26; Gaz. vol. 202; p. 997.
- Lamp, Gas-. F. J. and H. R. Humphrey. No. 1,095,210; May 5; Gaz. vol. 202; p. 13.
- Lamp, Gas-. G. Keith. No. 1,094,214; Apr. 21; Gaz. vol. 201; p. 785.
- Lamp, Gas-. G. Keith. No. 1,100,434; June 16; Gaz. vol. 203; p. 791.
- Lamp, Gas-. F. V. Risinger. No. 1,086,560; Feb. 10; Gaz. vol. 199; p. 388.
- Lamp, Gas-. F. V. Risinger. No. 1,089,440; Mar. 10; Gaz. vol. 200; p. 309.
- Lamp, Gas or vapor electric. R. Kùch. No. 1,090,992; Mar. 24; Gaz. vol. 200; p. 917.
- Lamp-guard. J. Gray, Jr. No. 1,092,708; Apr. 7; Gaz. vol. 201; p. 201.
- Lamp guard, Incandescent-. J. A. McMichael. No. 1,085,750; Feb. 3; Gaz. vol. 199; p. 61.
- Lamp, Hand-. C. F. Burgess. No. 1,084,926; Jan. 20; Gaz. vol. 198; p. 614.
- Lamp hanger, Arc-. C. E. Pope and R. S. Phillips. No. 1,120,160; Dec. 8; Gaz. vol. 209; p. 470.
- Lamp-heater. W. H. Berry. No. 1,087,101; Feb. 17; Gaz. vol. 199; p. 625.
- Lamp-holder. W. G. S. De Carteret. No. 1,088,008; Feb. 24; Gaz. vol. 199; p. 988.
- Lamp-holders, Actuating means for swivel. C. N. Sowden. No. 1,091,976; Mar. 31; Gaz. vol. 200; p. 1296.
- Lamp-ignition device. L. M. Dull. No. 1,089,540; Mar. 10; Gaz. vol. 200; p. 346.
- Lamp, Illuminating-. N. J. Verret. No. 1,084,241; Jan. 13; Gaz. vol. 198; p. 358.
- Lamp, Incandescent. A. W. Beuttell. No. 1,107,650; Aug. 18; Gaz. vol. 205; p. 816.
- Lamp, Incandescent. J. Doorenbos. No. 1,092,826; Apr. 14; Gaz. vol. 201; p. 276.
- Lamp, Incandescent. S. O. Hoffman. No. 1,083,325; Jan. 6; Gaz. vol. 198; p. 22.
- Lamp, Incandescent. S. O. Hoffman. No. 1,083,326; Jan. 6; Gaz. vol. 198; p. 23.
- Lamp, Incandescent. A. S. Knight. No. 1,116,595; Nov. 10; Gaz. vol. 208; p. 431.
- Lamp, Incandescent. M. von Pirani. No. 1,099,721; June 9; Gaz. vol. 203; p. 507.
- Lamp, Incandescent electric. W. G. Hughes. No. 1,105,908; Aug. 4; Gaz. vol. 205; p. 112.
- Lamp, Incandescent electric. S. Klein. No. 1,113,653; Oct. 13; Gaz. vol. 207; p. 475.
- Lamp, Incandescent electric. T. W. Lowden. No. 1,083,331; Jan. 6; Gaz. vol. 198; p. 24.
- Lamp, Incandescent electric. D. J. O'Brien. No. 1,110,076; Sept. 8; Gaz. vol. 206; p. 472.
- Lamp, Incandescent gas-. T. J. Little, Jr. No. 1,101,863; June 30; Gaz. vol. 203; p. 1387.
- Lamp, Incandescent gas-. C. I. Tenney. No. 1,085,709; Feb. 3; Gaz. vol. 199; p. 45.
- Lamp, Inclosed-electric-arc. M. Körtling. No. 1,084,551; Jan. 13; Gaz. vol. 198; p. 457.
- Lamp, Inverted. W. J. Davis, Jr. No. 1,106,631; Aug. 11; Gaz. vol. 205; p. 410.
- Lamp, Inverted-burner gas-. L. B. London. No. 1,103,365; July 14; Gaz. vol. 204; p. 444.
- Lamp, Inverted incandescent. P. Davies. No. 1,105,259; July 28; Gaz. vol. 204; p. 1190.
- Lamp-lens. G. A. Macbeth. No. 1,096,114; May 12; Gaz. vol. 202; p. 356.
- Lamp lighting and extinguishing device. O. Jeidel. No. 1,086,717; Feb. 10; Gaz. vol. 199; p. 443.
- Lamp lighting and extinguishing device, Gas-. J. and G. Keith. No. 1,103,517; July 14; Gaz. vol. 204; p. 494.
- Lamp mechanism, Automobile. W. R. Patterson. No. 1,094,242; Apr. 21; Gaz. vol. 201; p. 794.
- Lamp mechanism for automobiles. R. C. Browne. No. 1,093,383; Apr. 14; Gaz. vol. 201; p. 468.
- Lamp, Mercury-vapor. R. Kùch. No. 1,095,175; Apr. 28; Gaz. vol. 201; p. 1179.
- Lamp, Metallic-filament. H. J. Jaeger. No. 1,121,368; Dec. 15; Gaz. vol. 209; p. 943.
- Lamp, Metallic-vapor. F. Kerschbaum. No. 1,118,868; Nov. 24; Gaz. vol. 208; p. 1304.
- Lamp, Mine safety-. F. Färber. No. 1,116,048; Nov. 3; Gaz. vol. 208; p. 199.
- Lamp, Miner's. F. E. Baldwin. No. 1,094,358; Apr. 21; Gaz. vol. 201; p. 829.
- Lamp, Miner's. F. E. Baldwin. No. 1,101,982; June 30; Gaz. vol. 203; p. 1429.
- Lamp, Miner's. P. Guilman. No. 1,090,051; Mar. 10; Gaz. vol. 200; p. 520.
- Lamp, Miner's. R. G. Harris. No. 1,109,415; Sept. 1; Gaz. vol. 206; p. 199.
- Lamp, Miner's. W. H. Logan. No. 1,099,753; June 9; Gaz. vol. 203; p. 517.
- Lamp, Miner's. J. Van Liew. No. 1,090,250; Mar. 17; Gaz. vol. 200; p. 631.
- Lamp, Miner's acetylene-. U. Daubresse. No. 1,087,645; Feb. 17; Gaz. vol. 199; p. 817.
- Lamp, Miner's acetylene-. Y. Ohtsuka. No. 1,113,042; Oct. 6; Gaz. vol. 207; p. 218.
- Lamp, Miner's acetylene-. J. A. Wester. No. 1,114,208; Oct. 20; Gaz. vol. 207; p. 711.
- Lamp, Miner's acetylene-gas. W. Harrison. No. 1,113,621; Oct. 13; Gaz. vol. 207; p. 464.
- Lamp, Miner's and like electric safety-. P. Wolf. No. 1,100,336; June 16; Gaz. vol. 203; p. 756.
- Lamp, Miner's carbid-. F. Guy. No. 1,097,716; May 26; Gaz. vol. 202; p. 996.
- Lamp, Miniature electric. H. E. Gustafson. No. 1,105,770; Aug. 4; Gaz. vol. 205; p. 65.
- Lamp mount, Electric-. E. S. Keogh. No. 1,112,624; Oct. 6; Gaz. vol. 207; p. 76.
- Lamp-mounting. E. A. Hawthorne. No. 1,090,981; Mar. 24; Gaz. vol. 200; p. 912.
- Lamp-mounting. E. A. Hawthorne. No. 1,090,982; Mar. 24; Gaz. vol. 200; p. 913.
- Lamp-mounting. E. A. Hawthorne. No. 1,090,984; Mar. 24; Gaz. vol. 200; p. 913.
- Lamp, Oil-. F. F. Kaestner. No. 1,099,054; June 2; Gaz. vol. 203; p. 234.
- Lamp-operating mechanism. J. E. Gossman. No. 1,105,030; July 28; Gaz. vol. 204; p. 1110.
- Lamp, Petroleum incandescent. O. Gottke. No. 1,089,546; Mar. 10; Gaz. vol. 200; p. 347.
- Lamp, Photographic-dark-room. D. F. Charlton. No. 1,104,245; July 21; Gaz. vol. 204; p. 789.
- Lamp, Portable electric. A. S. Lyhne. No. 1,122,778; Dec. 29; Gaz. vol. 209; p. 1506.
- Lamp, Portable electric. W. A. McKay and M. Claussen. No. 1,085,147; Jan. 27; Gaz. vol. 198; p. 725.
- Lamp, Portable electric. W. J. Monaghan. No. 1,093,144; Apr. 14; Gaz. vol. 201; p. 386.
- Lamp, Portable electric. W. J. Monaghan. No. 1,106,828; Aug. 11; Gaz. vol. 205; p. 478.
- Lamp, Portable electric. A. C. Recker. No. 1,113,909; Oct. 13; Gaz. vol. 207; p. 565.
- Lamp, Portable electric. G. B. Swinehart. No. 1,084,375; Jan. 13; Gaz. vol. 198; p. 400.
- Lamp, Portable self-contained electric. F. T. Baird. No. 1,088,120; Feb. 24; Gaz. vol. 199; p. 1027.
- Lamp, Projecting-. C. A. and A. C. Matisse. No. 1,110,955; Sept. 15; Gaz. vol. 206; p. 824.
- Lamp push-socket, Electric-. L. F. Lindstrom. No. 1,098,741; June 2; Gaz. vol. 203; p. 131.
- Lamp, Pyrophoric-ignition miner's safety-. F. Fattinger. No. 1,109,055; Sept. 1; Gaz. vol. 206; p. 71.
- Lamp, Quartz. F. G. Keyes. No. 1,113,218; Oct. 13; Gaz. vol. 207; p. 322.
- Lamp-receptacle. R. Abbott. No. 1,101,376; June 23; Gaz. vol. 203; p. 1167.
- Lamp receptacle for signs, Electric-. G. B. Thomas. No. 1,110,163; Sept. 8; Gaz. vol. 206; p. 506.
- Lamp-rectifier. J. C. Pole. No. 1,110,644; Sept. 15; Gaz. vol. 206; p. 715.
- Lamp, Reflecting electric. H. A. Douglas. No. 1,089,750; Mar. 10; Gaz. vol. 200; p. 417.
- Lamp-reflector. J. C. Stearns. No. 1,084,713; Jan. 20; Gaz. vol. 198; p. 543.
- Lamp, Safety-. V. Szamier. No. 1,104,941; July 28; Gaz. vol. 204; p. 1080.
- Lamp safety attachment. D. B. Stevenson. No. 1,096,066; May 12; Gaz. vol. 202; p. 340.
- Lamp safety-extinguisher. M. E. Erickson and A. W. Mogren. No. 1,120,043; Dec. 8; Gaz. vol. 209; p. 429.
- Lamp safety-extinguisher. F. Krich. No. 1,115,214; Oct. 27; Gaz. vol. 207; p. 1120.
- Lamp-shade. W. R. Green. No. 1,117,131; Nov. 10; Gaz. vol. 208; p. 619.
- Lamp-shade, Adjustable. F. Evans. No. 1,090,465; Mar. 17; Gaz. vol. 200; p. 707.
- Lamp-shade, Concentrating. C. H. Townsend. No. 1,104,330; July 21; Gaz. vol. 204; p. 819.
- Lamp-shade holder. C. H. Bissell. No. 1,115,050; Oct. 27; Gaz. vol. 207; p. 1061.
- Lamp-shade holder. J. J. Dossert and E. G. Smith. No. 1,118,896; Nov. 24; Gaz. vol. 208; p. 1313.
- Lamp-shade holder. F. W. Wakefield. No. 1,090,254; Mar. 17; Gaz. vol. 200; p. 633.
- Lamp shield, Portable-acetylene-gas-. A. L. Hansen. No. 1,093,128; Apr. 14; Gaz. vol. 201; p. 380.
- Lamp, Signal-. C. H. Bissell and A. E. Vieau. No. 1,117,768; Nov. 17; Gaz. vol. 208; p. 884.
- Lamp, Signal-. F. D. Spear. No. 1,103,546; July 14; Gaz. vol. 204; p. 505.
- Lamp, Signal-. F. Wilkie. No. 1,106,690; Aug. 11; Gaz. vol. 205; p. 430.
- Lamp-socket. V. G. Apple. No. 1,110,099; Sept. 8; Gaz. vol. 206; p. 482.
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- Lamp-socket. G. F. Rush. No. 1,106,974; Aug. 11; Gaz. vol. 205; p. 529.
- Lamp socket and connector, Electric-. J. C. Stearns. No. 1,115,874; Nov. 3; Gaz. vol. 208; p. 138.
- Lamp socket and shade holder. G. M. Dewar. No. 1,092,810; Apr. 7; Gaz. vol. 201; p. 235.
- Lamp-socket case, Incandescent-electric-. A., Sr., and J. Weber. No. 1,093,221; Apr. 14; Gaz. vol. 201; p. 411.
- Lamp-socket casing. R. B. Benjamin. No. 1,108,678; Aug. 25; Gaz. vol. 205; p. 1220.
- Lamp-socket casings, Cap and shell fastening for. E. H. Freeman. No. 1,090,527; Mar. 17; Gaz. vol. 200; p. 729.
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- Lamp-socket, Detachable. M. Erlanger. No. 1,117,650; Nov. 17; Gaz. vol. 208; p. 842.
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- Lamp socket, Incandescent-electric-. W. C. Tregoning. No. 1,090,354; Mar. 17; Gaz. vol. 200; p. 666.
- Lamp socket, Incandescent-electric-. A. Weber, Jr. No. 1,120,110; Dec. 8; Gaz. vol. 209; p. 452.
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- Lamp-socket, Non-short-circuiting. E. E. Brown. No. 1,099,635; June 9; Gaz. vol. 203; p. 477.
- Lamp-socket shell. H. E. Reeve. No. 1,105,305; July 28; Gaz. vol. 204; p. 1206.
- Lamp socket structure, Electric-incandescent-. J. P. Naylor. No. 1,089,343; Mar. 3; Gaz. vol. 200; p. 227.
- Lamp-socket support, Electric-. J. A. Smith. No. 1,105,855; Aug. 4; Gaz. vol. 205; p. 94.
- Lamp-sockets, pendant-switches, and other electrical devices, Cap for. C. J. Klein. No. 1,121,374; Dec. 15; Gaz. vol. 209; p. 945.
- Lamp sockets, Support for incandescent-electric-. W. R. Kahns. No. 1,115,206; Oct. 27; Gaz. vol. 207; p. 1117.
- Lamp-stand. C. Nelson. No. 1,096,185; May 12; Gaz. vol. 202; p. 379.
- Lamp-stand, Adjustable. E. Seidel. No. 1,091,969; Mar. 31; Gaz. vol. 200; p. 1294.
- Lamp stand, Electric-. W. A. McKay and M. Claussen. No. 1,088,607; Feb. 24; Gaz. vol. 199; p. 1188.
- Lamp standard, Electric-. W. O. Holt. No. 1,118,203; Nov. 24; Gaz. vol. 208; p. 1073.
- Lamp, Street-illuminating. E. S. Newbold. No. 1,087,048; Feb. 10; Gaz. vol. 199; p. 555.
- Lamp-support. R. E. Ewing. No. 1,084,261; Jan. 13; Gaz. vol. 198; p. 363.
- Lamp-support. J. C. Ramsey, Jr. No. 1,093,009; Apr. 14; Gaz. vol. 201; p. 338.
- Lamp-support. H. C. Reagan. No. 1,084,362; Jan. 13; Gaz. vol. 198; p. 395.
- Lamp-support, Dirigible. W. R. Cochran. No. 1,108,339; Aug. 25; Gaz. vol. 205; p. 1103.
- Lamp-support, Dirigible automobile. J. A. Bailey. No. 1,112,666; Oct. 6; Gaz. vol. 207; p. 91.
- Lamp support, Incandescent-electric-. H. H. Hirsch. No. 1,121,247; Dec. 15; Gaz. vol. 209; p. 900.
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- Lamp support, Portable electric-. W. R. Green and A. Fornander. No. 1,094,409; Apr. 21; Gaz. vol. 201; p. 849.
- Lamp-supporting device. R. B. Benjamin. No. 1,088,866; Mar. 3; Gaz. vol. 200; p. 66.
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- Lamp-supporting device, Electric-. B. J. Grigsby. No. 1,121,827; Dec. 22; Gaz. vol. 209; p. 1139.
- Lamp-supporting structure. C. F. Massey. No. 1,085,144; Jan. 27; Gaz. vol. 198; p. 724.
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- Lamp switches, Operating means for electric-. A. J. Tizley. No. 1,121,420; Dec. 15; Gaz. vol. 209; p. 960.
- Lamp, Trouble-. T. F. Russell. No. 1,116,847; Nov. 10; Gaz. vol. 208; p. 521.
- Lamp-turning mechanism. N. Maxfield. No. 1,087,501; Feb. 17; Gaz. vol. 199; p. 766.
- Lamp, Vapor-. R. A. Astley. No. 1,100,007; June 16; Gaz. vol. 203; p. 642.
- Lamp, Vapor-. A. F. Blanchard. No. 1,117,769; Nov. 17; Gaz. vol. 208; p. 885.
- Lamp, Vapor-. C. Nelson. No. 1,099,192; June 9; Gaz. vol. 203; p. 324.
- Lamp, Vapor-. C. Nelson. No. 1,099,193; June 9; Gaz. vol. 203; p. 325.
- Lamp, Vehicle-. W. F. Anklaam. No. 1,123,205; Dec. 29; Gaz. vol. 209; p. 1659.
- Lamp, Vehicle-. S. B. Novotny and R. Jackman. No. 1,085,469; Jan. 27; Gaz. vol. 198; p. 835.
- Lamp, Vehicle-. O. Thornley. No. 1,094,272; Apr. 21; Gaz. vol. 201; p. 803.
- Lamps, Adjustable support for vapor-. S. E. Flichtner. No. 1,110,617; Sept. 15; Gaz. vol. 206; p. 706.
- Lamps and tying the same, Mantle for inverted incandescent gas-. E. L. Knoedler. No. 1,104,515; July 21; Gaz. vol. 204; p. 884.
- Lamps, Apparatus for operating mercury-vapor. F. H. von Keller. No. 1,110,631; Sept. 15; Gaz. vol. 206; p. 710.
- Lamps, Apparatus for producing vacuums in electric. L. A. Fell. No. 1,086,759; Feb. 10; Gaz. vol. 199; p. 458.
- Lamps, Attachment for the switches of electric. A. Herskovitz. No. 1,100,300; June 16; Gaz. vol. 203; p. 744.
- Lamps, Attachment for use with incandescent gas-. T. S. Browne. No. 1,105,246; July 28; Gaz. vol. 204; p. 1186.
- Lamps, Carbon-holder for electric-arc. B. B. Lacy. No. 1,090,726; Mar. 17; Gaz. vol. 200; p. 793.
- Lamps, Combined reflector and refractor for. H. Pickhardt. No. 1,088,838; Mar. 3; Gaz. vol. 200; p. 57.
- Lamps, Connection for starting metallic-vapor. F. Girard. No. 1,091,648; Mar. 31; Gaz. vol. 200; p. 1183.
- Lamps, Control of signal-. L. A. Hawkins. No. 1,090,301; Mar. 17; Gaz. vol. 200; p. 649.
- Lamps, Controller for automobile gas-. A. M. O'Brien and W. D. Ferris. No. 1,113,817; Oct. 13; Gaz. vol. 207; p. 534.
- Lamps, Electrode-holder for arc-. C. W. Dake. No. 1,122,194; Dec. 22; Gaz. vol. 209; p. 1265.
- Lamps, Flaming-arc attachment for inclosed-arc. H. G. Dyer. No. 1,101,014; June 23; Gaz. vol. 203; p. 1044.
- Lamps from a distance, Device for lighting gas-. L. Severin. No. 1,109,150; Sept. 1; Gaz. vol. 206; p. 104.
- Lamps, Globe-holder for. F. J. Humphrey. No. 1,118,934; Dec. 1; Gaz. vol. 209; p. 10.
- Lamps, Guard for incandescent electric. C. A. Lehman and P. A. Lawrence. No. 1,089,138; Mar. 3; Gaz. vol. 200; p. 161.
- Lamps, Holder for electric glow-. C. A. Schaefer. No. 1,120,851; Dec. 15; Gaz. vol. 209; p. 762.
- Lamps, Hood for electric. H. Rithner. No. 1,086,787; Feb. 10; Gaz. vol. 199; p. 468.
- Lamps, Igniter for miners'. L. D. Vaughn and T. Miller. No. 1,084,872; Jan. 20; Gaz. vol. 198; p. 597.
- Lamps, Igniting device for miners'. A. Pasierbski. No. 1,091,891; Mar. 31; Gaz. vol. 200; p. 1268.
- Lamps, Incandescent body for electric. W. G. Hughes. No. 1,106,384; Aug. 11; Gaz. vol. 205; p. 320.
- Lamps, &c. Locking device for electric. A. D. Bartlett. No. 1,092,627; Apr. 7; Gaz. vol. 201; p. 175.
- Lamps, Machine for sealing supporting-wires into the beads of glass rods of metal-filament electric incandescent. J. Kremenezky and J. Jellinek. No. 1,117,059; Nov. 10; Gaz. vol. 208; p. 593.
- Lamps, Making incandescent electric. A. Berliner. No. 1,094,774; Apr. 28; Gaz. vol. 201; p. 1039.
- Lamps, Manufacture of incandescent. E. Lambert. No. 1,120,064; Dec. 8; Gaz. vol. 209; p. 436.
- Lamps, Manufacture of metallic illuminating bodies for electric incandescent. E. Hurwitz. No. 1,099,704; June 9; Gaz. vol. 203; p. 502.
- Lamps, Means for rating incandescent. A. J. Sweet. No. 1,092,410; Apr. 7; Gaz. vol. 201; p. 98.
- Lamps, Means for starting alternate-current mercury-vapor. R. Kuch. No. 1,101,197; June 23; Gaz. vol. 203; p. 1106.
- Lamps, Method of and means for determining the ratings of incandescent. W. G. Houskeeper and H. S. Dunning. No. 1,091,661; Mar. 31; Gaz. vol. 200; p. 1188.
- Lamps, Regulating electric-arc. R. Friese. No. 1,097,175; May 19; Gaz. vol. 202; p. 764.

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- Lamps, Storage and transit of incandescent electric. G. Poulton. No. 1,110,571; Sept. 15; Gaz. vol. 206; p. 688.
- Lamps, Vacuum-cup-releasing device for. W. P. Dunham. No. 1,104,252; July 21; Gaz. vol. 204; p. 791.
- Lamps, Valve-stem for acetylene-. A. L. Hansen. No. 1,084,145; Jan. 13; Gaz. vol. 198; p. 325.
- Lamps, Water-feed for acetylene-. J. M. Downing. No. 1,119,936; Dec. 8; Gaz. vol. 209; p. 392.
- Lamps with reflecting-surfaces, Coating projector-. E. L. Clark. No. 1,121,802; Dec. 22; Gaz. vol. 209; p. 1129.
- Lampblack-machine. W. H. Davis. No. 1,111,009; Sept. 22; Gaz. vol. 206; p. 886.
- Land-anchor. G. H. Evans. No. 1,108,158; Aug. 25; Gaz. vol. 205; p. 1040.
- Land-clearing machine. J. R. McGiffert. No. 1,095,122; Apr. 28; Gaz. vol. 201; p. 1157.
- Land implement, Motor. A. M. Chase. No. 1,113,101; Oct. 6; Gaz. vol. 207; p. 237.
- Land-roller. L. W. Beer. No. 1,103,929; July 21; Gaz. vol. 204; p. 682.
- Land-roller. D. Pullen. No. 1,113,141; Oct. 6; Gaz. vol. 207; p. 251.
- Land-roller drum. W. F. Budlong. No. 1,097,748; May 26; Gaz. vol. 202; p. 1008.
- Land-roller drums, Head for. F. C. Warne. No. 1,108,038; Aug. 18; Gaz. vol. 205; p. 951.
- Land roller or pulverizer. W. J. Dunham. No. 1,094,201; Apr. 21; Gaz. vol. 201; p. 781.
- Land-roller, Water-ballast. J. Hist. No. 1,104,502; July 21; Gaz. vol. 204; p. 879.
- Lantern. J. Barton, J. Melbourn, F. Needham, and J. G. Green. No. 1,102,854; July 7; Gaz. vol. 204; p. 220.
- Lantern. F. Dietz. No. 1,086,904; Feb. 10; Gaz. vol. 199; p. 507.
- Lantern. F. Dietz. No. 1,089,912; Mar. 10; Gaz. vol. 200; p. 473.
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- Lantern. A. L. Edwards. No. 1,113,107; Oct. 6; Gaz. vol. 207; p. 239.
- Lantern. H. C. Engfer. No. 1,113,763; Oct. 13; Gaz. vol. 207; p. 515.
- Lantern. J. Gwozdziwicz and M. Bizon. No. 1,115,067; Oct. 27; Gaz. vol. 207; p. 1067.
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- Lantern. C. E. Mockbee. No. 1,103,527; July 14; Gaz. vol. 204; p. 498.
- Lantern. J. Nielson. No. 1,112,227; Sept. 29; Gaz. vol. 206; p. 1343.
- Lantern. A. W. Paull. No. 1,112,928; Oct. 6; Gaz. vol. 207; p. 180.
- Lantern. A. F. Prahm. No. 1,097,464; May 19; Gaz. vol. 202; p. 864.
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- Lantern. J. Swanson. No. 1,101,585; June 30; Gaz. vol. 203; p. 1291.
- Lantern, Automatic projecting-. J. Quigley. No. 1,089,788; Mar. 10; Gaz. vol. 200; p. 429.
- Lantern-base. J. Abetz. No. 1,103,014; July 7; Gaz. vol. 204; p. 275.
- Lantern, Collapsible. T. F. Carney. No. 1,120,024; Dec. 8; Gaz. vol. 209; p. 423.
- Lantern for vehicles, Electric. L. E. Hoover. No. 1,096,534; May 12; Gaz. vol. 202; p. 499.
- Lantern-globe guard. A. Batchelor. No. 1,111,942; Sept. 29; Gaz. vol. 206; p. 1245.
- Lantern-lighter. C. Dustin. No. 1,107,049; Aug. 11; Gaz. vol. 205; p. 553.
- Lantern, Light-signal. G. Dalén. No. 1,095,269; May 5; Gaz. vol. 202; p. 33.
- Lantern, Pocket-. W. Knopf. No. 1,096,726; May 12; Gaz. vol. 202; p. 563.
- Lantern-rack. R. Whiteman. No. 1,098,466; June 2; Gaz. vol. 203; p. 38.
- Lantern screen, Magic-. P. L. Clark. No. 1,122,192; Dec. 22; Gaz. vol. 209; p. 1265.
- Lantern-slide. F. J. Horstman. No. 1,097,862; May 26; Gaz. vol. 202; p. 1047.
- Lantern-slide carrier. C. E. Sharlow. No. 1,108,256; Aug. 25; Gaz. vol. 205; p. 1075.
- Lantern-slide, Composite. S. B. Austin. No. 1,111,635; Sept. 22; Gaz. vol. 206; p. 1101.
- Lantern-slides, Automatic display apparatus for. S. B. Austin. No. 1,111,636; Sept. 22; Gaz. vol. 206; p. 1102.
- Lantern-slides, cards, &c., Holder for. I. Warren. No. 1,111,422; Sept. 22; Gaz. vol. 206; p. 1027.
- Lantern-support. F. Pastor. No. 1,120,740; Dec. 15; Gaz. vol. 209; p. 723.
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- Lantern-wheels, Means for assembling. C. S. Sandoz Moritz. No. 1,084,039; Jan. 13; Gaz. vol. 198; p. 289.
- Lanterns, Standing ball for. H. C. Engfer. No. 1,083,442; Jan. 6; Gaz. vol. 198; p. 62.
- Lap. R. Conrader. No. 1,109,401; Sept. 1; Gaz. vol. 206; p. 194.
- Lap-board. J. Stone. No. 1,106,901; Aug. 11; Gaz. vol. 205; p. 504.
- Lap-board and blackboard attachment for a table-desk, Combined. W. C. Miles. No. 1,100,983; June 23; Gaz. vol. 203; p. 1033.
- Lap-link loggerhead-hook. J. T. Walker and A. C. Jones. No. 1,084,983; Jan. 20; Gaz. vol. 198; p. 633.
- Lap-machines and the like, Safety device for. J. J. O'Meara. No. 1,090,335; Mar. 17; Gaz. vol. 200; p. 660.
- Lap-ring. E. Buniff. No. 1,085,193; Jan. 27; Gaz. vol. 198; p. 742.
- Lap-robe fastener. F. P. Treacy. No. 1,085,368; Jan. 27; Gaz. vol. 198; p. 803.
- Lap-seam-body maker. I. F. Warne. No. 1,094,179; Apr. 21; Gaz. vol. 201; p. 775.
- Lard substitute, Apparatus for making. J. C. Chisholm. No. 1,113,151; Oct. 6; Gaz. vol. 207; p. 255.
- Lard-substitute, Making. J. C. Chisholm. No. 1,114,963; Oct. 27; Gaz. vol. 207; p. 1029.
- Last. H. A. Ballard. No. 1,112,402; Sept. 29; Gaz. vol. 206; p. 1404.
- Last. H. A. Ballard. No. 1,112,403; Sept. 29; Gaz. vol. 206; p. 1405.
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- Last. A. Godfrey. No. 1,094,988; Apr. 28; Gaz. vol. 201; p. 1114.
- Last. M. Hilgert. No. 1,120,490; Dec. 8; Gaz. vol. 209; p. 588.
- Last. W. A. Krentler. No. 1,094,153; Apr. 21; Gaz. vol. 201; p. 765.
- Last. F. W. Millay and J. M. Madigan. No. 1,114,901; Oct. 27; Gaz. vol. 207; p. 1008.
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- Last. E. J. Mountain. No. 1,094,739; Apr. 28; Gaz. vol. 201; p. 1027.
- Last. J. C. Schelter. No. 1,110,719; Sept. 15; Gaz. vol. 206; p. 742.
- Last. T. F. Skeffington. No. 1,120,097; Dec. 8; Gaz. vol. 209; p. 447.
- Last. J. E. Weeden. No. 1,093,665; Apr. 21; Gaz. vol. 201; p. 601.
- Last and stand for holding lasts. C. Sharp. No. 1,120,164; Dec. 8; Gaz. vol. 209; p. 472.
- Last, Detachable. P. J. Guth. No. 1,088,274; Feb. 24; Gaz. vol. 199; p. 1080.
- Last, Divided. H. A. Ballard. No. 1,118,523; Nov. 24; Gaz. vol. 208; p. 1187.
- Last, Hinged. G. W. Miller. No. 1,094,673; Apr. 28; Gaz. vol. 201; p. 1003.
- Last, Hinged. G. A. Minzey. No. 1,120,324; Dec. 8; Gaz. vol. 209; p. 528.
- Last, Hinged. E. C. Wright. No. 1,100,276; June 16; Gaz. vol. 203; p. 736.
- Last protection. W. A. Krentler. No. 1,092,111; Mar. 31; Gaz. vol. 200; p. 1341.
- Last, Repair-. D. Rounds. No. 1,086,468; Feb. 10; Gaz. vol. 199; p. 356.
- Last, Shoe-. E. H. Dunbar. No. 1,121,236; Dec. 15; Gaz. vol. 209; p. 897.
- Last, Shoe-. F. E. Benton. No. 1,103,735; July 14; Gaz. vol. 204; p. 574.
- Last, Shoe-. J. Pacelli. No. 1,111,317; Sept. 22; Gaz. vol. 206; p. 991.
- Last, Shoe-. H. D. Reed. No. 1,096,949; May 19; Gaz. vol. 202; p. 685.
- Last, Stocking and glove darning and mending. A. E. Le Ford. No. 1,087,792; Feb. 17; Gaz. vol. 199; p. 866.
- Last-testing tool. E. Imhof and I. Halle. No. 1,084,637; Jan. 20; Gaz. vol. 198; p. 515.
- Last-turning machine. E. A. Eastman. No. 1,104,040; July 21; Gaz. vol. 204; p. 719.
- Lasts, Making. H. A. Ballard. No. 1,104,743; July 21; Gaz. vol. 204; p. 962.
- Lasts, Manufacturing. M. Hilgert. No. 1,120,491; Dec. 8; Gaz. vol. 209; p. 588.
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- Lasting and sewing machine. J. Cavanagh, Jr. No. 1,104,875; July 28; Gaz. vol. 204; p. 1057.
- Lasting apparatus. J. A. Eldridge. No. 1,110,315; Sept. 15; Gaz. vol. 206; p. 597.
- Lasting apparatus. R. G. York. No. 1,090,187; Mar. 17; Gaz. vol. 200; p. 609.
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 Lasting-machine. E. I. La Chapelle. No. 1,090,547; Mar. 17; Gaz. vol. 200; p. 735.
 Lasting-machine. E. I. La Chapelle. No. 1,090,548; Mar. 17; Gaz. vol. 200; p. 736.
 Lasting-machine. T. H. McAuliffe. No. 1,108,979; July 21; Gaz. vol. 204; p. 699.
 Lasting-machine. T. H. O'Brien. No. 1,109,700; Sept. 8; Gaz. vol. 206; p. 339.
 Lasting-machine. T. G. Plant. (Reissue.) No. 13,718; Apr. 21; Gaz. vol. 201; p. 856.
 Lasting-machine. A. H. Prenzel. No. 1,117,440; Nov. 17; Gaz. vol. 208; p. 767.
 Lasting-machine, Boot and shoe. A. H. Prenzel. No. 1,117,087; Nov. 10; Gaz. vol. 208; p. 603.
 Lasting-machine holddown. M. Cook. No. 1,092,431; Apr. 7; Gaz. vol. 201; p. 106.
 Lasting-machine holddown. E. L. Keyes. No. 1,120,822; Dec. 15; Gaz. vol. 209; p. 752.
 Lasting-machine holddown device. L. M. Brown. No. 1,095,266; May 5; Gaz. vol. 202; p. 31.
 Lasting-machine, Stitch-down. A. Eppler. No. 1,113,936; Oct. 13; Gaz. vol. 207; p. 575.
 Lasting-machine work-support. J. E. Crisp. No. 1,083,596; Jan. 6; Gaz. vol. 198; p. 111.
 Lasting-machines, Rebound control for. J. Fausse. No. 1,113,764; Oct. 13; Gaz. vol. 207; p. 515.
 Lasting machines, Treadle mechanism for bed. H. A. Ballard. No. 1,117,300; Nov. 17; Gaz. vol. 208; p. 719.
 Lasting mechanism, Heel-. M. Brock. No. 1,108,100; Aug. 18; Gaz. vol. 205; p. 973.
 Latch. C. M. Ahlberg. No. 1,115,762; Nov. 3; Gaz. vol. 208; p. 99.
 Latch. V. R. Hidler. No. 1,118,549; Nov. 24; Gaz. vol. 208; p. 1197.
 Latch. J. E. Minner. No. 1,105,527; July 28; Gaz. vol. 204; p. 1286.
 Latch. G. T. Nichols. No. 1,099,391; June 9; Gaz. vol. 203; p. 394.
 Latch. J. E. Redin. No. 1,111,235; Sept. 22; Gaz. vol. 206; p. 964.
 Latch. W. Sellers. No. 1,123,020; Dec. 29; Gaz. vol. 209; p. 1592.
 Latch. J. Shand. No. 1,091,398; Mar. 24; Gaz. vol. 200; p. 1953.
 Latch. P. J. Wesolowski. No. 1,104,460; July 21; Gaz. vol. 204; p. 863.
 Latch. P. J. Wesolowski. No. 1,084,681; Jan. 20; Gaz. vol. 198; p. 530.
 Latch. L. A. Young. No. 1,110,368; Sept. 15; Gaz. vol. 206; p. 617.
 Latch and cavel, Pole. E. F. Joyce and W. B. Kain. No. 1,106,309; Aug. 4; Gaz. vol. 205; p. 249.
 Latch and handle, Combined. E. L. Watrous. No. 1,086,571; Feb. 10; Gaz. vol. 199; p. 393.
 Latch and holder, Combined door. W. Lange. No. 1,118,560; Nov. 24; Gaz. vol. 208; p. 1201.
 Latch and lock. D. W. Tower. No. 1,121,954; Dec. 22; Gaz. vol. 209; p. 1184.
 Latch and lock, Combined. H. A. Hendren. No. 1,086,365; Feb. 10; Gaz. vol. 199; p. 320.
 Latch and lock, Combined. H. A. Palmer. No. 1,083,506; Jan. 6; Gaz. vol. 198; p. 82.
 Latch and lock, Door. J. Bransford. No. 1,102,567; July 7; Gaz. vol. 204; p. 122.
 Latch and lock, Mortise. A. C. Chesley. No. 1,089,324; Mar. 3; Gaz. vol. 200; p. 221.
 Latch and lock, Vehicle door. F. C. Altmann. No. 1,088,392; Feb. 24; Gaz. vol. 199; p. 1119.
 Latch apparatus, Detachable. L. L. Longshore. No. 1,090,867; Mar. 24; Gaz. vol. 200; p. 873.
 Latch, Automatic door-. L. J. Lindsay. No. 1,103,594; July 14; Gaz. vol. 204; p. 524.
 Latch, Automatic door-. J. H. and W. C. Tate. No. 1,084,830; Jan. 20; Gaz. vol. 198; p. 583.
 Latch, Automatic gate-. P. Bosen. No. 1,094,637; Apr. 28; Gaz. vol. 201; p. 990.
 Latch, Door-. T. Balfour. No. 1,098,703; June 2; Gaz. vol. 203; p. 119.
 Latch, Door-. F. H. Erickson. No. 1,091,644; Mar. 31; Gaz. vol. 200; p. 1181.
 Latch, Door-. B. L. Johnson. No. 1,119,609; Dec. 1; Gaz. vol. 209; p. 245.
 Latch, Door-. J. T. Mortenson. No. 1,115,005; Oct. 27; Gaz. vol. 207; p. 1045.
 Latch, Door-. T. O. Schrader. No. 1,117,709; Nov. 17; Gaz. vol. 208; p. 863.
 Latch, Door-. B. F. Yates and F. W. Cohen. No. 1,102,313; July 7; Gaz. vol. 204; p. 32.
 Latch, Door or gate. R. T. Peirce. No. 1,108,783; Aug. 25; Gaz. vol. 205; p. 1255.
 Latch, Door or gate. A. R. Peterson. No. 1,115,563; Nov. 3; Gaz. vol. 208; p. 33.
 Latch for automobile-doors. R. Ochsner. No. 1,085,471; Jan. 27; Gaz. vol. 198; p. 836.
 Latch for barn-doors, &c. C. S. Adam. No. 1,086,977; Feb. 10; Gaz. vol. 199; p. 532.
 Latch for doors and the like, Temperature-released. E. F. Schnuck. No. 1,085,705; Feb. 3; Gaz. vol. 199; p. 44.
 Latch for elevator-doors. B. Wexler. No. 1,089,451; Mar. 10; Gaz. vol. 200; p. 313.
 Latch for fire-escape doors. F. Gess. No. 1,095,847; May 5; Gaz. vol. 202; p. 230.
 Latch for gates, Automatic. J. A. McAllister. No. 1,117,877; Nov. 17; Gaz. vol. 208; p. 921.
 Latch for sleeping-car headboards. C. L. Dorney. No. 1,094,781; Apr. 28; Gaz. vol. 201; p. 1041.
 Latch for swinging doors. F. Ziganek and F. W. Wilkinson. No. 1,111,426; Sept. 22; Gaz. vol. 206; p. 1029.
 Latch for vehicle-doors. M. E. Voigt. No. 1,098,926; June 2; Gaz. vol. 203; p. 194.
 Latch for wind-shields, Automatic. H. W. Fenton. No. 1,088,016; Feb. 24; Gaz. vol. 199; p. 991.
 Latch, Gate-. T. J. Browning. No. 1,090,969; Mar. 24; Gaz. vol. 200; p. 909.
 Latch, Gate-. A. Bujewski. No. 1,100,953; June 23; Gaz. vol. 203; p. 1022.
 Latch, Gate-. G. T. Corwin. No. 1,099,024; June 2; Gaz. vol. 203; p. 225.
 Latch, Gate-. E. Crowley. No. 1,099,489; June 9; Gaz. vol. 203; p. 427.
 Latch, Gate-. C. C. Gish. No. 1,088,561; Feb. 24; Gaz. vol. 199; p. 1173.
 Latch, Gate-. D. Loudenslager. No. 1,092,728; Apr. 7; Gaz. vol. 201; p. 207.
 Latch, Gate-. C. C. Miller. No. 1,112,715; Oct. 6; Gaz. vol. 207; p. 108.
 Latch, Gate-. M. B. Moyer. No. 1,117,949; Nov. 17; Gaz. vol. 208; p. 945.
 Latch, Gate-. G. Turine. No. 1,097,485; May 19; Gaz. vol. 202; p. 872.
 Latch, Gate and barn-door. W. Kirn. No. 1,120,943; Dec. 15; Gaz. vol. 209; p. 795.
 Latch-handle attachment, Door-. F. Haizmann. No. 1,097,626; May 26; Gaz. vol. 202; p. 964.
 Latch lift, Gate-. M. Sarvalla and C. Neuman. No. 1,091,087; Mar. 24; Gaz. vol. 200; p. 950.
 Latch, Locking-. H. A. Palmer. No. 1,085,292; Jan. 27; Gaz. vol. 198; p. 777.
 Latch, Locking-. H. A. Palmer. No. 1,086,208; Feb. 3; Gaz. vol. 199; p. 222.
 Latch mechanism for doors and gates. G. A. E. Aronson. No. 1,115,271; Oct. 27; Gaz. vol. 207; p. 1139.
 Latch mechanism for fire-doors. W. B. Gervais and M. Gilmore. No. 1,090,470; Mar. 17; Gaz. vol. 200; p. 709.
 Latch-needle. K. Meeh. No. 1,094,737; Apr. 28; Gaz. vol. 201; p. 1027.
 Latch-operating device. L. W. Garrett. No. 1,100,553; June 16; Gaz. vol. 203; p. 829.
 Latch-plate, Mine-car-door. J. R. Fleming. No. 1,116,258; Nov. 3; Gaz. vol. 208; p. 269.
 Latch, Refrigerator-. F. N. Perkins. No. 1,092,285; Apr. 7; Gaz. vol. 201; p. 57.
 Latch, Refrigerator-door. C. W. Clark. No. 1,100,009; June 16; Gaz. vol. 203; p. 643.
 Latch-releasing device, Door-. W. M. Simmons. No. 1,104,076; July 21; Gaz. vol. 204; p. 733.
 Latch, Screen-door. J. K. Champ. No. 1,101,253; June 23; Gaz. vol. 203; p. 1125.
 Latch, Self-locking. E. A. Schreiber. No. 1,094,602; Apr. 28; Gaz. vol. 201; p. 976.
 Latch, Shop-door. H. M. Whitcomb. No. 1,120,874; Dec. 15; Gaz. vol. 209; p. 771.
 Latch, Spring-. F. N. Perkins. No. 1,109,358; Sept. 1; Gaz. vol. 206; p. 179.
 Latch, Switch-. J. H. Kandig. No. 1,087,297; Feb. 17; Gaz. vol. 199; p. 694.
 Latch, Window and door. W. A. Cope. No. 1,113,197; Oct. 13; Gaz. vol. 207; p. 315.
 Latches, Auxiliary spring for. A. A. Page. No. 1,089,435; Mar. 10; Gaz. vol. 200; p. 307.
 Latches of excavating-dippers, Stirrup for door-. E. L. Pemberton. No. 1,096,451; May 12; Gaz. vol. 202; p. 471.
 Latching device. W. P. Bancroft. No. 1,107,569; Aug. 18; Gaz. vol. 205; p. 786.
 Lath. G. P. Crumbaugh. No. 1,090,689; Mar. 17; Gaz. vol. 200; p. 783.
 Lath. G. P. Crumbaugh. No. 1,107,906; Aug. 18; Gaz. vol. 205; p. 903.

Alphabetical list of inventions—Continued.

- Lath, Expanded metal. C. H. Scammell. No. 1,087,511; Feb. 17; Gaz. vol. 199; p. 768.
- Lath-fastener. C. Collins. No. 1,105,183; July 28; Gaz. vol. 204; p. 1162.
- Lath-machine guard. F. G. Kleinegger. No. 1,108,586; Aug. 25; Gaz. vol. 205; p. 1190.
- Lath, Metal. G. P. Crumbaugh. No. 1,090,690; Mar. 17; Gaz. vol. 200; p. 783.
- Lath, Plaster-. J. P. Sexton. No. 1,115,593; Nov. 3; Gaz. vol. 208; p. 43.
- Lathe. N. D. Chard. No. 1,121,068; Dec. 15; Gaz. vol. 209; p. 839.
- Lathe. K. Hoepfner. No. 1,095,278; May 5; Gaz. vol. 202; p. 36.
- Lathe. R. K. Le Blond and W. F. Groene. No. 1,113,223; Oct. 13; Gaz. vol. 207; p. 324.
- Lathe. C. Lévéque. No. 1,121,188; Dec. 15; Gaz. vol. 209; p. 882.
- Lathe. E. J. McClellan. No. 1,085,146; Jan. 27; Gaz. vol. 198; p. 725.
- Lathe. S. F. Taylor. No. 1,088,850; Mar. 3; Gaz. vol. 200; p. 60.
- Lathe attachment. C. F. Athy. No. 1,086,745; Feb. 10; Gaz. vol. 199; p. 452.
- Lathe attachment. W. A. Pierce. No. 1,099,816; June 9; Gaz. vol. 203; p. 539.
- Lathe attachment for turning and finishing crank-shafts. C. E. Wilder. No. 1,098,654; June 2; Gaz. vol. 203; p. 102.
- Lathe, Automatic. C. M. Chapman. No. 1,083,987; Jan. 13; Gaz. vol. 198; p. 270.
- Lathe, Automatic turret-. W. L. Miller. No. 1,083,554; Jan. 6; Gaz. vol. 198; p. 98.
- Lathe, Automatic turret-. J. C. Potter. No. 1,115,972; Nov. 3; Gaz. vol. 208; p. 172.
- Lathe, Automatic turret-. J. C. Potter. No. 1,115,973; Nov. 3; Gaz. vol. 208; p. 173.
- Lathe, Ax-handle. L. Johnson. No. 1,091,455; Mar. 24; Gaz. vol. 200; p. 1071.
- Lathe centering device. H. J. Krombach. No. 1,095,581; May 5; Gaz. vol. 202; p. 140.
- Lathe-dog. C. D. Andrew. No. 1,107,566; Aug. 18; Gaz. vol. 205; p. 786.
- Lathe-dog. B. Haskell. No. 1,087,369; Feb. 17; Gaz. vol. 199; p. 719.
- Lathe or similar cutting-machine. H. G. Krauss. No. 1,100,747; June 23; Gaz. vol. 203; p. 949.
- Lathe spindle and gear bearing. J. R. Back. No. 1,103,645; July 14; Gaz. vol. 204; p. 544.
- Lathe-tool. G. Amborn. No. 1,112,185; Sept. 29; Gaz. vol. 206; p. 1327.
- Lathe-tool. J. J. Packewitz and S. Nudelman. No. 1,097,818; May 26; Gaz. vol. 202; p. 1033.
- Lathe-tool adjustment. E. Fisher. No. 1,122,713; Dec. 29; Gaz. vol. 209; p. 1485.
- Lathe-tool holder. M. C. Bersted. No. 1,109,031; Sept. 1; Gaz. vol. 206; p. 63.
- Lathe-tool holder. I. Botts. No. 1,092,012; Mar. 31; Gaz. vol. 200; p. 1307.
- Lathe tool-holder, Metal-turning. O. N. Rikof. No. 1,111,181; Sept. 22; Gaz. vol. 206; p. 946.
- Lathes, Traverse-machine for. E. N. Moor. No. 1,112,716; Oct. 6; Gaz. vol. 207; p. 108.
- Lathe, Turret-. P. Catucci. No. 1,097,914; May 26; Gaz. vol. 202; p. 1069.
- Lathe, Turret-. W. K. Millholland, Jr. No. 1,099,308; June 9; Gaz. vol. 203; p. 364.
- Lathes, Gear-cutter attachment for. A. Bergeron. No. 1,103,125; July 14; Gaz. vol. 204; p. 362.
- Lathes, Index-head for. A. Frykman. No. 1,108,736; Aug. 25; Gaz. vol. 205; p. 1241.
- Lathes, Taper attachment for. W. L. Schellenbach. No. 1,100,259; June 16; Gaz. vol. 203; p. 729.
- Latrine. H. D. Knox. No. 1,092,920; Apr. 14; Gaz. vol. 201; p. 309.
- Latrine mold casting system. S. L. Barnes. No. 1,109,313; Sept. 1; Gaz. vol. 206; p. 162.
- Latrine-molding system. H. Price. No. 1,109,636; Sept. 1; Gaz. vol. 206; p. 274.
- Launching device. J. A. Johnson and J. W. Ludlam. No. 1,111,836; Sept. 29; Gaz. vol. 206; p. 1209.
- Laundry apparatus. E. Lichtenstein and C. Vita. No. 1,111,752; Sept. 29; Gaz. vol. 206; p. 1178.
- Laundry blue, Container and distributor for. F. Johnson. No. 1,116,289; Nov. 3; Gaz. vol. 208; p. 279.
- Laundry-dampening box. J. F. Broderick. No. 1,091,558; Mar. 31; Gaz. vol. 200; p. 1152.
- Laundry device. R. A. McDonald. No. 1,098,284; May 26; Gaz. vol. 202; p. 1196.
- Laundry, kitchen, and pantry appliance, Combined. W. C. James. No. 1,102,412; July 7; Gaz. vol. 204; p. 68.
- Laundry machinery. J. H. Sutter. No. 1,092,605; Apr. 7; Gaz. vol. 201; p. 166.
- Laundry-mangle. C. F. Roberg and A. Malmberg. No. 1,095,167; Apr. 28; Gaz. vol. 201; p. 1175.
- Laundry-trays, Device for heating water in. J. D. Ellis. No. 1,121,340; Dec. 15; Gaz. vol. 209; p. 953.
- Laundry tub or tray. M. Batter. No. 1,108,120; Aug. 25; Gaz. vol. 205; p. 1027.
- Lavatories, Combination supply and waste fixture for. W. A. Speakman. No. 1,086,949; Feb. 10; Gaz. vol. 199; p. 522.
- Lavatory. J. S. Rowe. No. 1,115,740; Nov. 3; Gaz. vol. 208; p. 93.
- Lavatory appliance. G. H. Barker. No. 1,123,463; Dec. 29; Gaz. vol. 209; p. 1396.
- Lavatory attachment. N. Hirsch. No. 1,099,801; June 9; Gaz. vol. 203; p. 534.
- Lavatory device. D. J. Matthews. No. 1,083,887; Jan. 6; Gaz. vol. 198; p. 204.
- Lavatory-fitting. W. Bunting, Jr. No. 1,110,668; Sept. 15; Gaz. vol. 206; p. 724.
- Lavatory-fitting. W. A. Speakman. No. 1,117,715; Nov. 17; Gaz. vol. 208; p. 865.
- Lavatory-fitting. W. A. Speakman. No. 1,117,716; Nov. 17; Gaz. vol. 208; p. 866.
- Lavatory-fixture. E. G. Watrous. No. 1,108,956; Sept. 1; Gaz. vol. 206; p. 35.
- Lavatory or sink. J. W. McAuliffe. No. 1,107,817; Aug. 18; Gaz. vol. 205; p. 874.
- Lawn-edge trimmer and gutter-former. W. T. Putnam. No. 1,101,713; June 30; Gaz. vol. 203; p. 1334.
- Lawn-edging tool. W. Q. Glass. No. 1,113,984; Oct. 20; Gaz. vol. 207; p. 630.
- Lawn-rake and seed-brush. E. W. West. No. 1,115,881; Nov. 3; Gaz. vol. 208; p. 140.
- Lawn-roller. G. E. Karl. No. 1,120,820; Dec. 15; Gaz. vol. 209; p. 751.
- Lawn-roller. A. E. Merkel and R. E. Dunham. No. 1,120,515; Dec. 8; Gaz. vol. 209; p. 596.
- Lawn-sprinkler. C. Ballreich. No. 1,116,536; Nov. 10; Gaz. vol. 208; p. 408.
- Lawn-sprinkler. J. F. Bustin. No. 1,084,842; Jan. 20; Gaz. vol. 198; p. 587.
- Lawn-sprinkler. H. Gibbs. No. 1,086,288; Feb. 3; Gaz. vol. 199; p. 248.
- Lawn-sprinkler. C. A. Nelson. No. 1,093,006; Apr. 14; Gaz. vol. 201; p. 337.
- Lawn-sprinkler. W. Rundquist. No. 1,100,493; June 16; Gaz. vol. 203; p. 810.
- Lawn-sprinkler and nozzle, Combined. J. Byler. No. 1,084,843; Jan. 20; Gaz. vol. 198; p. 587.
- Lawn-sprinkler, Traveling. W. C. Todd and J. W. Pomeroy. No. 1,108,528; Aug. 25; Gaz. vol. 205; p. 1169.
- Lawn-sprinkling device. W. C. Eickman. No. 1,100,963; June 23; Gaz. vol. 203; p. 1026.
- Lawn-trimmer. G. E. Walter. No. 1,112,502; Oct. 6; Gaz. vol. 207; p. 31.
- Lead-making apparatus, White-. R. A. Stewart. No. 1,088,041; Feb. 24; Gaz. vol. 199; p. 1000.
- Lead, Making arsenate of. H. H. Dow and E. O. Barstow. No. 1,100,673; June 16; Gaz. vol. 203; p. 868.
- Lead, Making basic carbonates of. E. Euston. No. 1,117,358; Nov. 17; Gaz. vol. 208; p. 739.
- Lead, Making white. A. S. Ramage. No. 1,097,672; May 26; Gaz. vol. 202; p. 981.
- Lead, Manufacture of white. F. H. Sharpe. No. 1,088,460; Feb. 24; Gaz. vol. 199; p. 1141.
- Lead, Manufacturing arsenate of. E. O. Barstow. No. 1,100,686; June 16; Gaz. vol. 203; p. 872.
- Lead-nitrate solutions, Producing. S. W. Anderson and G. C. Kaar. No. 1,083,911; Jan. 13; Gaz. vol. 198; p. 244.
- Lead oxid, Apparatus for the manufacture of. W. Eckford. No. 1,104,786; July 28; Gaz. vol. 204; p. 1025.
- Lead-oxid-producing apparatus. W. Innes. No. 1,113,123; Oct. 6; Gaz. vol. 207; p. 245.
- Lead, Oxidizing. C. D. Holley. No. 1,116,702; Nov. 10; Gaz. vol. 208; p. 470.
- Lead, Producing white. E. Euston. No. 1,106,793; Aug. 11; Gaz. vol. 205; p. 465.
- Lead, Producing white. E. Euston. No. 1,106,794; Aug. 11; Gaz. vol. 205; p. 466.
- Lead refining and desilverizing apparatus. W. Thum. No. 1,106,480; Aug. 11; Gaz. vol. 205; p. 355.
- Lead solutions from lead ore, Production of. S. Anderson and G. C. Kaar. No. 1,083,910; Jan. 13; Gaz. vol. 198; p. 244.
- Leaf holder, Loose-. F. W. Dustan. No. 1,114,596; Oct. 20; Gaz. vol. 207; p. 847.
- Leaf holder, Loose-. W. P. Pitt. No. 1,088,177; Feb. 24; Gaz. vol. 199; p. 1046.
- Leaf-spring. S. F. Smith. No. 1,102,098; June 30; Gaz. vol. 203; p. 1471.
- Leaf-supporting mechanism. B. Glaser. No. 1,116,054; Nov. 3; Gaz. vol. 208; p. 201.
- Leaf-turner. R. W. Goddard. No. 1,116,412; Nov. 10; Gaz. vol. 208; p. 362.
- Leaf-turner. G. M. Long. No. 1,117,871; Nov. 17; Gaz. vol. 208; p. 919.
- Leaf-turning device. J. Rebel. No. 1,118,050; Nov. 24; Gaz. vol. 208; p. 1021.
- Leaves, refuse, or large particles carried along by water, &c., Automatic apparatus for removing. E. A. L. Gulu. No. 1,092,440; Apr. 7; Gaz. vol. 201; p. 110.
- Leak-stopper. E. C. Villiers. No. 1,122,047; Dec. 22; Gaz. vol. 209; p. 1217.
- Leakage indicator and connections. E. B. Wedmore. No. 1,085,309; Jan. 27; Gaz. vol. 198; p. 783.

Alphabetical list of inventions—Continued.

- Lease-former. J. W. Sidebottom. No. 1,109,257; Sept. 1; Gaz. vol. 206; p. 142.
- Leather and the like to the light treatment, Subjecting lacquered. A. Junghans. No. 1,099,378; June 9; Gaz. vol. 203; p. 390.
- Leather articles, Machine for use in the manufacture of. F. M. Furber. No. 1,096,423; May 12; Gaz. vol. 202; p. 462.
- Leather-cutting machine. J. A. Adam. No. 1,101,377; June 23; Gaz. vol. 203; p. 1167.
- Leather, Disinfecting hides and skins in the manufacture of. O. Röhm. No. 1,083,300; Jan. 6; Gaz. vol. 198; p. 14.
- Leather-drier. E. B. Ayres. No. 1,106,271; Aug. 4; Gaz. vol. 205; p. 236.
- Leather-drier. E. B. Ayres. No. 1,106,272; Aug. 4; Gaz. vol. 205; p. 237.
- Leather, Drying japanned or varnished. A. Genthe. No. 1,095,498; May 5; Gaz. vol. 202; p. 112.
- Leather embossing or marking machine. F. A. Putnam. No. 1,108,518; Aug. 25; Gaz. vol. 205; p. 1166.
- Leather-fiber board, Production of. A. L. Clapp. No. 1,119,345; Dec. 1; Gaz. vol. 209; p. 154.
- Leather-finishing machine. W. B. Turner. No. 1,102,368; July 7; Gaz. vol. 204; p. 51.
- Leather-folding machine. A. L. Lilley. No. 1,103,972; July 21; Gaz. vol. 204; p. 696.
- Leather-grading machine. E. P. Nichols. No. 1,113,472; Oct. 13; Gaz. vol. 207; p. 414.
- Leather, Machine for brushing sole. C. Ruhe. No. 1,112,163; Sept. 29; Gaz. vol. 206; p. 1320.
- Leather, Machine for covering rolls with. J. S. Turner. No. 1,098,066; May 26; Gaz. vol. 202; p. 1122.
- Leather, Manufacture of. O. Röhm. No. 1,117,912; Nov. 17; Gaz. vol. 208; p. 932.
- Leather-marker. H. W. Gordon. No. 1,083,278; Jan. 6; Gaz. vol. 198; p. 6.
- Leather-marking machine. P. J. Lapham. No. 1,103,520; July 14; Gaz. vol. 204; p. 496.
- Leather, Ornamented. H. E. Enslin. No. 1,115,183; Oct. 27; Gaz. vol. 207; p. 1108.
- Leather-ornamenting machine. H. E. Enslin. No. 1,115,184; Oct. 27; Gaz. vol. 207; p. 1109.
- Leather pieces, Machine for grade-marking died-out. E. P. Nichols. No. 1,104,378; July 21; Gaz. vol. 204; p. 835.
- Leather-preserving preparation. S. Aguilar. No. 1,121,220; Dec. 15; Gaz. vol. 209; p. 892.
- Leather, Producing an ornamental surface upon. H. E. Enslin. No. 1,115,182; Oct. 27; Gaz. vol. 207; p. 1108.
- Leather rolling and embossing machine. C. Voss. No. 1,090,433; Mar. 17; Gaz. vol. 200; p. 696.
- Leather-scoring machine. E. Bayard. No. 1,122,245; Dec. 29; Gaz. vol. 209; p. 1324.
- Leather-skiving machine. A. M. Alexander. No. 1,091,267; Mar. 24; Gaz. vol. 200; p. 1012.
- Leather-skiving machine. E. F. Davenport. No. 1,121,717; Dec. 22; Gaz. vol. 209; p. 1101.
- Leather-skiving-machine knife. C. A. Hirth. No. 1,117,381; Nov. 17; Gaz. vol. 208; p. 747.
- Leather-staking machine. F. F. Slocumb. No. 1,101,763; June 30; Gaz. vol. 203; p. 1351.
- Leather-stretcher. W. Duecker. No. 1,120,798; Dec. 15; Gaz. vol. 209; p. 744.
- Leather strings and the like, Ligature for. J. Bättig. No. 1,095,784; May 5; Gaz. vol. 202; p. 209.
- Leather, Waterproofing of chrome-tanned. E. W. Terry. No. 1,121,418; Dec. 15; Gaz. vol. 209; p. 960.
- Leather-working machine. F. H. Teel. No. 1,091,093; Mar. 24; Gaz. vol. 200; p. 952.
- Leather-working machine. F. Wayland. No. 1,090,895; Mar. 24; Gaz. vol. 200; p. 883.
- Ledger. C. B. Sippel. No. 1,091,594; Mar. 31; Gaz. vol. 200; p. 1164.
- Ledger, Loose-leaf. S. B. Kirtley. No. 1,084,449; Jan. 13; Gaz. vol. 198; p. 423.
- Ledger, Note. C. F. Irwin. No. 1,099,803; June 9; Gaz. vol. 203; p. 534.
- Ledger or other book, Indexed. S. B. Kirtley. No. 1,090,544; Mar. 17; Gaz. vol. 200; p. 734.
- Ledger, Triple-leaf. T. N. Winslow. No. 1,103,554; July 14; Gaz. vol. 204; p. 508.
- Ledgers and key therefor, Clamping mechanism of. G. E. Whitehouse. No. 1,102,114; June 30; Gaz. vol. 203; p. 1477.
- Leer and leer-charging mechanism. M. J. Owens. No. 1,117,433; Nov. 17; Gaz. vol. 208; p. 765.
- Leg, Artificial. F. Buchstein. No. 1,107,893; Aug. 18; Gaz. vol. 205; p. 899.
- Leg, Artificial. L. O. Conner and G. R. Hale. No. 1,104,413; July 21; Gaz. vol. 204; p. 847.
- Leg, Artificial. S. Martinchek. No. 1,102,774; July 7; Gaz. vol. 204; p. 194.
- Leg, Artificial. V. L. Miller. No. 1,113,366; Oct. 13; Gaz. vol. 207; p. 376.
- Leg, Artificial. A. M. Opsal. No. 1,102,289; July 7; Gaz. vol. 204; p. 24.
- Leg-band. C. O. Bourne. No. 1,109,394; Sept. 1; Gaz. vol. 206; p. 192.
- Leg-covering means. A. M. Grean. No. 1,106,375; Aug. 11; Gaz. vol. 205; p. 317.
- Leg joint, Artificial. J. and W. H. Wambsgans. No. 1,112,503; Oct. 6; Gaz. vol. 207; p. 31.
- Legs and feet of workmen from injury by molten metal, &c., Device for protecting the. A. E. Outerbridge, Jr. No. 1,097,354; May 19; Gaz. vol. 202; p. 828.
- Legging. R. L. Campbell. No. 1,097,582; May 19; Gaz. vol. 202; p. 904.
- Legging. M. Jacob. No. 1,085,427; Jan. 27; Gaz. vol. 198; p. 822.
- Legging. R. Springe. No. 1,115,611; Nov. 3; Gaz. vol. 208; p. 49.
- Legging. W. E. Woodward. (Reissue.) No. 13,747; June 9; Gaz. vol. 203; p. 574.
- Leguminous products for edible purposes, Preparing. E. U. Stephens. No. 1,088,741; Mar. 3; Gaz. vol. 200; p. 24.
- Lemon-juice extractor. S. Tsuru. No. 1,105,114; July 28; Gaz. vol. 204; p. 1139.
- Lemon-squeezer. A. I. Barnwell and P. Tormey. No. 1,113,594; Oct. 13; Gaz. vol. 207; p. 456.
- Lemon-squeezer. H. H. Johnson. No. 1,098,446; June 2; Gaz. vol. 203; p. 31.
- Lemon-squeezer. E. Walker. No. 1,115,754; Nov. 3; Gaz. vol. 208; p. 97.
- Lemon-squeezer. J. K. Williams. No. 1,117,122; Nov. 10; Gaz. vol. 208; p. 615.
- Lemons and the like, Machine for extracting the juice and pulp from. R. T. Park. No. 1,107,991; Aug. 18; Gaz. vol. 205; p. 933.
- Lens. W. F. Wirth. No. 1,118,719; Nov. 24; Gaz. vol. 208; p. 1256.
- Lens and mirror mounting. W. Churchill. No. 1,102,138; June 30; Gaz. vol. 203; p. 1485.
- Lens attachment. G. H. Day. No. 1,119,811; Dec. 8; Gaz. vol. 209; p. 348.
- Lens attachment, Split-bridge. J. C. Wells. No. 1,099,273; June 9; Gaz. vol. 203; p. 352.
- Lens, Bifocal. A. J. Cross. No. 1,102,008; June 30; Gaz. vol. 203; p. 1439.
- Lens, Bifocal. E. J. Fink. No. 1,117,990; Nov. 24; Gaz. vol. 208; p. 1000.
- Lens-cutting instrument. A. G. Biegel. No. 1,122,247; Dec. 29; Gaz. vol. 209; p. 1325.
- Lens-cutting-machine work-support. A. Pellow and L. G. Simpson. No. 1,119,111; Dec. 1; Gaz. vol. 209; p. 75.
- Lens-examining instrument. L. W. Bugbee. No. 1,098,880; June 2; Gaz. vol. 203; p. 177.
- Lens-grinding tools, Machine for making. C. W. Conner and J. H. Pearson. No. 1,097,302; May 19; Gaz. vol. 202; p. 810.
- Lens-holder. O. B. Depue. No. 1,118,187; Nov. 24; Gaz. vol. 208; p. 1068.
- Lens-mount. W. R. Uhlemann. No. 1,109,189; Sept. 1; Gaz. vol. 206; p. 118.
- Lens-mounting. G. J. Lowres. No. 1,115,701; Nov. 3; Gaz. vol. 208; p. 81.
- Lens-mounting. F. A. Stevens. No. 1,117,273; Nov. 17; Gaz. vol. 208; p. 709.
- Lens, Multiple-focus. A. J. Cross. No. 1,106,629; Aug. 11; Gaz. vol. 205; p. 410.
- Lens or reflector support. R. A. Oldfield. No. 1,112,470; Oct. 6; Gaz. vol. 207; p. 19.
- Lens substitute for use with trial eyeglass-mountings or the like. E. Riggs. No. 1,090,232; Mar. 17; Gaz. vol. 200; p. 624.
- Lens-temperature equalizer. W. G. Preddey. No. 1,111,093; Sept. 22; Gaz. vol. 206; p. 915.
- Lenses, Apparatus for making bifocal. H. E. Mendelssohn. No. 1,085,871; Feb. 3; Gaz. vol. 199; p. 103.
- Lenses, Apparatus for the manufacture of bifocal. M. Bentzon and A. H. Emerson. No. 1,084,529; Jan. 13; Gaz. vol. 198; p. 448.
- Lenses, Axis-index for. J. E. Limeburner. No. 1,099,927; June 16; Gaz. vol. 203; p. 614.
- Lenses, Means for marking or cutting. L. H. Skinner. No. 1,117,264; Nov. 17; Gaz. vol. 208; p. 705.
- Letter. W. H. Bock. No. 1,085,530; Jan. 27; Gaz. vol. 198; p. 855.
- Letter-bag attachment. A. J. Smith. No. 1,099,518; June 9; Gaz. vol. 203; p. 437.
- Letter-box. M. Ligush and P. Gerfy. No. 1,096,040; May 12; Gaz. vol. 202; p. 331.
- Letter-box. G. P. Snead. No. 1,097,888; May 26; Gaz. vol. 202; p. 1057.
- Letter-box and collecting-pouch. S. A. Kiss. No. 1,102,760; July 7; Gaz. vol. 204; p. 188.
- Letter-box, House. A. J. Linck. No. 1,090,997; Mar. 24; Gaz. vol. 200; p. 919.
- Letter-box signaling device. C. E. McIntosh and S. S. Hopkins. No. 1,109,242; Sept. 1; Gaz. vol. 206; p. 137.
- Letter-carrier's delivery-receptacle. J. Lovas and S. Sera. No. 1,104,520; July 21; Gaz. vol. 204; p. 886.
- Letter-clip. L. Myers. No. 1,122,628; Dec. 29; Gaz. vol. 209; p. 1454.
- Letter for advertising-boards, skylights, &c., Multiple. C. B. Herrmann. No. 1,091,335; Mar. 24; Gaz. vol. 200; p. 1031.
- Letter for signs. G. Mayerle. No. 1,089,003; Mar. 3; Gaz. vol. 200; p. 113.
- Letter-holder and envelop-opener, Combined. W. Silverman. No. 1,118,310; Nov. 24; Gaz. vol. 208; p. 1110.

Alphabetical list of inventions—Continued.

- Letter, Interchangeable. G. H. Reith. No. 1,121,761; Dec. 22; Gaz. vol. 209; p. 1115.
- Letter-opener. R. McCrum. No. 1,096,933; May 19; Gaz. vol. 202; p. 679.
- Letter-sheet and envelop. Combined. E. Maren-Covick. No. 1,100,540; June 16; Gaz. vol. 203; p. 825.
- Letter-sheet buncher and holder. C. P. Deal. No. 1,110,906; Sept. 15; Gaz. vol. 206; p. 808.
- Levee-reinforcement and making same. F. H. Waddill. No. 1,095,249; May 5; Gaz. vol. 202; p. 26.
- Levees, embankments, dams, and other natural or artificial structures, Protection of. J. McGillivray. No. 1,112,018; Sept. 29; Gaz. vol. 206; p. 1269.
- Level. T. M. Bane. No. 1,088,394; Feb. 24; Gaz. vol. 199; p. 1119.
- Level. S. M. Collins. No. 1,105,493; July 28; Gaz. vol. 204; p. 1274.
- Level. J. S. Duffy. No. 1,083,997; Jan. 13; Gaz. vol. 198; p. 273.
- Level. S. M. Dugger. No. 1,116,577; Nov. 10; Gaz. vol. 208; p. 423.
- Level. D. A. Gee. No. 1,100,554; June 16; Gaz. vol. 203; p. 829.
- Level. D. McNeil. No. 1,113,805; Oct. 13; Gaz. vol. 207; p. 529.
- Level. T. H. McNutt. No. 1,089,571; Mar. 10; Gaz. vol. 200; p. 356.
- Level. F. E. Rial and F. E. Moore. No. 1,112,935; Oct. 6; Gaz. vol. 207; p. 183.
- Level. E. J. Ritty. No. 1,111,706; Sept. 22; Gaz. vol. 206; p. 1128.
- Level. J. and J. Sand, Jr. No. 1,087,555; Feb. 17; Gaz. vol. 199; p. 784.
- Level. J. H. Wyatt, W. and C. Haley. No. 1,122,349; Dec. 29; Gaz. vol. 209; p. 1358.
- Level. C. C. Zars. No. 1,110,026; Sept. 8; Gaz. vol. 206; p. 454.
- Level and plumb, Combination. J. F. Carlson. No. 1,084,606; Jan. 20; Gaz. vol. 198; p. 504.
- Level and plumb, Combined. W. C. Getschow. No. 1,083,823; Jan. 6; Gaz. vol. 198; p. 185.
- Level and plumb, Electrically-lighted. W. E. O'Brien. No. 1,110,456; Sept. 15; Gaz. vol. 206; p. 649.
- Level and plummet, Combined. A. L. Coash. No. 1,094,531; Apr. 28; Gaz. vol. 201; p. 951.
- Level and track-gage, Adjustable. F. M. Daniel. No. 1,100,543; June 16; Gaz. vol. 203; p. 826.
- Level attachment. C. G. Sutton. No. 1,109,024; Sept. 1; Gaz. vol. 206; p. 60.
- Level attachment, Adjustable. A. K. Frantz. No. 1,093,775; Apr. 21; Gaz. vol. 201; p. 637.
- Level, Carpenter's. F. W. Kalsow. No. 1,085,342; Jan. 27; Gaz. vol. 198; p. 794.
- Level construction, Hand-. E. A. Schade. No. 1,111,677; Sept. 22; Gaz. vol. 206; p. 1116.
- Level, Knockdown. N. L. Hayden. No. 1,094,651; Apr. 28; Gaz. vol. 201; p. 995.
- Level, Line-. E. A. Stevens. No. 1,116,641; Nov. 10; Gaz. vol. 208; p. 448.
- Level, Plumb-. R. Nielsen. No. 1,120,737; Dec. 15; Gaz. vol. 209; p. 722.
- Level, Plumb-. C. C. Rutledge. No. 1,085,165; Jan. 27; Gaz. vol. 198; p. 732.
- Level, Spirit-. W. J. Cassity. No. 1,108,134; Aug. 25; Gaz. vol. 205; p. 1032.
- Level, Spirit-. A. L. Hartley. No. 1,098,381; June 2; Gaz. vol. 203; p. 8.
- Level, Spirit-. W. J. Hughes. No. 1,098,801; June 2; Gaz. vol. 203; p. 150.
- Level, Spirit-. A. W. Kibler and J. J. Pennington. No. 1,098,039; May 26; Gaz. vol. 202; p. 1112.
- Level, Spirit-. J. F. Lyons. No. 1,114,277; Oct. 20; Gaz. vol. 207; p. 736.
- Level, Surveyor's. G. N. Saegmuller. No. 1,115,026; Oct. 27; Gaz. vol. 207; p. 1053.
- Leveler and moisture-retainer, Ground-. P. S. Baker. No. 1,111,940; Sept. 29; Gaz. vol. 206; p. 1245.
- Leveling instruments, Appliance for. A. J. Moonen. No. 1,094,583; Apr. 28; Gaz. vol. 201; p. 969.
- Leveling-machine. A. E. Jerram. No. 1,116,071; Nov. 3; Gaz. vol. 208; p. 207.
- Leveling-machine. B. F. Mayo. No. 1,104,206; July 21; Gaz. vol. 204; p. 775.
- Leveling-machine. E. A. Webster. No. 1,086,100; Feb. 3; Gaz. vol. 199; p. 187.
- Leveling-machine jack. E. A. Webster. No. 1,086,099; Feb. 3; Gaz. vol. 199; p. 187.
- Lever. A. L. Wyman. No. 1,089,615; Mar. 10; Gaz. vol. 200; p. 370.
- Lever and link, Adjustable. G. J. Henry, Jr. No. 1,092,102; Mar. 31; Gaz. vol. 200; p. 1338.
- Lever, Foot-. F. C. Anderson. No. 1,086,575; Feb. 10; Gaz. vol. 199; p. 394.
- Lever, Foot-. G. Wilson. No. 1,086,111; Feb. 3; Gaz. vol. 199; p. 191.
- Lever-handle for self-closing work. P. Mueller. No. 1,111,169; Sept. 22; Gaz. vol. 206; p. 942.
- Lever-jack. D. Costarella. No. 1,121,981; Dec. 22; Gaz. vol. 209; p. 1194.
- Lever-lock. J. W. Barnes. No. 1,100,646; June 16; Gaz. vol. 203; p. 859.
- Lever-lock. P. B. Walls. No. 1,087,619; Feb. 17; Gaz. vol. 199; p. 806.
- Lever lock, Transmission-. O. A. Benham. No. 1,096,988; May 19; Gaz. vol. 202; p. 698.
- Lever-locking device. R. Reinke. No. 1,102,802; July 7; Gaz. vol. 204; p. 202.
- Lever-locking device, Control-. J. W. Boulton. No. 1,083,793; Jan. 6; Gaz. vol. 198; p. 175.
- Lever mechanism. R. Huff. No. 1,117,385; Nov. 17; Gaz. vol. 208; p. 748.
- Lever mechanism, Controlling-. C. W. Parker. No. 1,120,157; Dec. 8; Gaz. vol. 209; p. 469.
- Lever mechanism, Hand-. C. T. Ray. No. 1,105,596; July 28; Gaz. vol. 204; p. 1310.
- Lever, Radial-motion operating-. E. P. Kinne. No. 1,108,910; Sept. 1; Gaz. vol. 206; p. 17.
- Lever regulator, Automatic clutch-. W. E. Eastman. No. 1,083,352; Jan. 6; Gaz. vol. 198; p. 31.
- Lever, Uncoupling-. W. P. Murphy. No. 1,099,993; June 16; Gaz. vol. 203; p. 636.
- License-number, Illuminated. W. T. Fisk. No. 1,095,321; May 5; Gaz. vol. 202; p. 50.
- License-number illuminator. D. Gentile. No. 1,103,873; July 14; Gaz. vol. 204; p. 621.
- License-plate bracket. T. F. Wilson. No. 1,093,515; Apr. 14; Gaz. vol. 201; p. 508.
- License-plate holder. W. H. Juan. No. 1,122,279; Dec. 29; Gaz. vol. 209; p. 1335.
- Lid holder, Vessel-. J. N. Parkinson. No. 1,084,817; Jan. 20; Gaz. vol. 198; p. 578.
- Lid-lifter. W. R. Kinsman. No. 1,110,945; Sept. 15; Gaz. vol. 206; p. 821.
- Lid-opener. S. Schmidt. No. 1,112,097; Sept. 29; Gaz. vol. 206; p. 1297.
- Lid-raising device. J. C. Gibbs. No. 1,107,781; Aug. 18; Gaz. vol. 205; p. 863.
- Life and telephone attachment, Safeguard. I. E. Rosenthal. No. 1,113,052; Oct. 6; Gaz. vol. 207; p. 221.
- Life-belt. R. Drury. No. 1,109,907; Sept. 8; Gaz. vol. 206; p. 412.
- Life-buoy fastener. M. S. Sahl. No. 1,085,759; Feb. 3; Gaz. vol. 199; p. 65.
- Life-cabin. G. R. De Nise. No. 1,088,331; Feb. 24; Gaz. vol. 199; p. 1098.
- Life guard or fender. W. W. Talbot. No. 1,111,772; Sept. 29; Gaz. vol. 206; p. 1185.
- Life-net machine. L. S. Lovas. No. 1,099,094; June 2; Gaz. vol. 203; p. 246.
- Life-preserver. L. Cywar. No. 1,111,299; Sept. 22; Gaz. vol. 206; p. 986.
- Life-preserver. J. Depta. No. 1,111,010; Sept. 22; Gaz. vol. 206; p. 886.
- Life-preserver. M. Dobinch. No. 1,114,739; Oct. 27; Gaz. vol. 207; p. 949.
- Life-preserver. T. Himle. No. 1,108,756; Aug. 25; Gaz. vol. 205; p. 1246.
- Life-preserver. G. Horty. No. 1,108,177; Aug. 25; Gaz. vol. 205; p. 1046.
- Life-preserver. W. H. Kanen. No. 1,123,194; Dec. 29; Gaz. vol. 209; p. 1655.
- Life-preserver. D. Lyman. No. 1,102,772; July 7; Gaz. vol. 204; p. 192.
- Life-preserver. J. Magyar. No. 1,093,002; Apr. 14; Gaz. vol. 201; p. 336.
- Life-preserver. M. Nowacki. No. 1,115,094; Oct. 27; Gaz. vol. 207; p. 1077.
- Life-preserver. J. M. Pineau. No. 1,104,382; July 21; Gaz. vol. 204; p. 837.
- Life-preserver. M. and S. Seprec. No. 1,116,936; Nov. 10; Gaz. vol. 208; p. 551.
- Life-preserver. O. A. Youngren. No. 1,123,058; Dec. 29; Gaz. vol. 209; p. 1606.
- Life-preserver and trunk. N. G. Abbate. No. 1,112,881; Oct. 6; Gaz. vol. 207; p. 164.
- Life-preserver at sea. K. Tanaka. No. 1,096,573; May 12; Gaz. vol. 202; p. 512.
- Life-preserver, Foldable. M. Despot. No. 1,116,393; Nov. 10; Gaz. vol. 208; p. 357.
- Life-preservers, Means for automatically inflating. G. D. Horst. No. 1,118,420; Nov. 24; Gaz. vol. 208; p. 1150.
- Life-preservers, Propelling attachment for. J. G. L. Anderson. No. 1,103,729; July 14; Gaz. vol. 204; p. 572.
- Life-preserving apparatus. L. D'Elia. No. 1,113,418; Oct. 13; Gaz. vol. 207; p. 395.
- Life-preserving garment. A. Teleky. No. 1,096,574; May 12; Gaz. vol. 202; p. 512.
- Life-preserving suit. R. Zeleszkiewicz. No. 1,122,459; Dec. 29; Gaz. vol. 209; p. 1395.
- Life-raft. O. M. Burton. No. 1,107,652; Aug. 18; Gaz. vol. 205; p. 817.
- Life-raft. E. R. Greene. No. 1,089,338; Mar. 3; Gaz. vol. 200; p. 225.
- Life-saver. Armored-tube. J. Markson. No. 1,083,846; Jan. 6; Gaz. vol. 198; p. 192.
- Life-saving apparatus. T. E. Aud. No. 1,121,448; Dec. 15; Gaz. vol. 209; p. 970.
- Life-saving apparatus. G. F. Birmingham. No. 1,091,909; Mar. 31; Gaz. vol. 200; p. 1274.
- Life-saving apparatus. J. C. Cox and L. Arnold. No. 1,087,352; Feb. 17; Gaz. vol. 199; p. 712.

Alphabetical list of inventions—Continued.

- Life-saving apparatus. P. M. Freely. No. 1,116,582; Nov. 10; Gaz. vol. 208; p. 426.
- Life-saving apparatus. T. F. Gleason. No. 1,093,987; Apr. 21; Gaz. vol. 201; p. 709.
- Life-saving apparatus. A. Kowalsky. No. 1,112,221; Sept. 29; Gaz. vol. 206; p. 1341.
- Life-saving apparatus. F. Rosolofsky. No. 1,119,541; Dec. 1; Gaz. vol. 209; p. 222.
- Life-saving apparatus for aviators. G. R. Signalgo. No. 1,089,978; Mar. 10; Gaz. vol. 200; p. 495.
- Life-saving apparatus for ships. S. J. Tracy. No. 1,120,866; Dec. 15; Gaz. vol. 209; p. 767.
- Life-saving appliance. S. P. Edmunds. No. 1,110,614; Sept. 15; Gaz. vol. 206; p. 704.
- Life-saving appliance for use at sea. L. Tabulo. No. 1,107,632; Aug. 18; Gaz. vol. 205; p. 809.
- Life-saving buoy. J. B. Adams. No. 1,089,617; Mar. 10; Gaz. vol. 200; p. 371.
- Life-saving detachable deck. H. Scherff. No. 1,101,336; June 23; Gaz. vol. 203; p. 1154.
- Life-saving device. C. W. Flint. No. 1,117,826; Nov. 17; Gaz. vol. 208; p. 905.
- Life-saving garment. E. Heberlein. No. 1,098,110; May 26; Gaz. vol. 202; p. 1136.
- Life-saving garment. J. Herlihy. No. 1,087,491; Feb. 17; Gaz. vol. 199; p. 762.
- Life-saving garment. D. W. Ogilvie. No. 1,109,140; Sept. 1; Gaz. vol. 206; p. 99.
- Life-saving net. F. Földi. No. 1,099,352; June 9; Gaz. vol. 203; p. 381.
- Life-saving raft. S. A. Comer. No. 1,123,174; Dec. 29; Gaz. vol. 209; p. 1648.
- Life-saving sailing raft, Reversible. T. L. Jenkins, E. O'Brien, J. Burgell, and J. Crerar. No. 1,101,632; June 30; Gaz. vol. 203; p. 1308.
- Life-saving station for mines. F. A. Hoskins. No. 1,095,635; May 5; Gaz. vol. 202; p. 158.
- Life-saving steamer-chair. L. Ferry, U. Moscarello, and R. Amodio. No. 1,090,525; Mar. 17; Gaz. vol. 200; p. 729.
- Life-saving suit. J. Juhasz. No. 1,085,130; Jan. 27; Gaz. vol. 198; p. 719.
- Life-saving suit. F. A. Roberts. No. 1,106,728; Aug. 11; Gaz. vol. 205; p. 443.
- Life-saving suit. F. B. Voegeli. No. 1,113,074; Oct. 6; Gaz. vol. 207; p. 228.
- Life-saving suit. C. G. Walle. No. 1,095,051; Apr. 28; Gaz. vol. 201; p. 1134.
- Life-saving suit or garment. E. F. Hickman. No. 1,117,571; Nov. 17; Gaz. vol. 208; p. 813.
- Lift. J. Baas. No. 1,107,739; Aug. 18; Gaz. vol. 205; p. 847.
- Lift, Balanced automatic air-. N. R. Smith. No. 1,112,099; Sept. 29; Gaz. vol. 206; p. 1297.
- Lift-jack. J. H. Burkholder. No. 1,097,581; May 19; Gaz. vol. 202; p. 903.
- Lifter. *See* Bottle-cap lifter; Can or box lifter; Curtain-pole lifter; Cuspidor-lifter; Goods-lifter; Hay-rack lifter; Load-lifter; Molded-object lifter; Pan-lifter; Pie-lifter; Pipe-lifter; Planter-marker lifter; Plate-lifter; Sand-lifter; Stove-lifter; Stove-lid lifter; Thumb-tack lifter; Utensil-lifter; Valve-lifter; Water-jet lifter.
- Lifter. C. H. Moyer. No. 1,120,735; Dec. 15; Gaz. vol. 209; p. 722.
- Lifting apparatus, Suction. D. M. Sutherland, Jr. No. 1,110,409; Sept. 15; Gaz. vol. 206; p. 631.
- Lifting-clamp. R. G. Rafferty. No. 1,121,130; Dec. 15; Gaz. vol. 209; p. 862.
- Lifting device. J. Babitzky. No. 1,104,338; July 21; Gaz. vol. 204; p. 822.
- Lifting device. R. D. Gardner. No. 1,091,829; Mar. 31; Gaz. vol. 200; p. 1247.
- Lifting-jack. F. Davy. No. 1,088,263; Feb. 24; Gaz. vol. 199; p. 1075.
- Lifting-jack. W. H. Forrest. No. 1,109,980; Sept. 8; Gaz. vol. 206; p. 439.
- Lifting-jack. P. J. Harrah. No. 1,087,879; Feb. 17; Gaz. vol. 199; p. 894.
- Lifting-jack. G. Lane. No. 1,122,235; Dec. 22; Gaz. vol. 209; p. 1280.
- Lifting-jack. M. Lutenberger. No. 1,088,236; Feb. 24; Gaz. vol. 199; p. 1066.
- Lifting-jack. T. McGuire. No. 1,096,552; May 12; Gaz. vol. 202; p. 505.
- Lifting-jack. A. Neal. No. 1,100,903; June 23; Gaz. vol. 203; p. 1003.
- Lifting-jack. R. C. Patton. No. 1,102,792; July 7; Gaz. vol. 204; p. 199.
- Lifting-jack. H. Pendleton. No. 1,118,949; Dec. 1; Gaz. vol. 209; p. 15.
- Lifting-jack. J. P. Reneker. No. 1,111,614; Sept. 22; Gaz. vol. 206; p. 1094.
- Lifting-jack. C. F. Schlemma. No. 1,114,918; Oct. 27; Gaz. vol. 207; p. 1014.
- Lifting-jack. C. T. Starbuck. No. 1,093,590; Apr. 14; Gaz. vol. 201; p. 532.
- Lifting-jack. A. C. Stein. No. 1,099,405; June 9; Gaz. vol. 203; p. 399.
- Lifting-jack. C. H. Sutton. No. 1,104,328; July 21; Gaz. vol. 204; p. 818.
- Lifting-jack. A. J. Tombrinck. No. 1,122,336; Dec. 29; Gaz. vol. 209; p. 1354.
- Lifting-jack. H. A. Weinke. No. 1,101,598; June 30; Gaz. vol. 203; p. 1296.
- Lifting-jack and shock-absorber for automobiles and like vehicles, Combined. H. R. Searles and C. A. Thurston. No. 1,108,522; Aug. 25; Gaz. vol. 205; p. 1167.
- Lifting-jack, Automobile automatic. F. A. Fitzloff. No. 1,115,295; Oct. 27; Gaz. vol. 207; p. 1146.
- Lifting-jack, Incline. G. K. Tucker. No. 1,109,089; Sept. 1; Gaz. vol. 206; p. 83.
- Lifting-jacks, Double-acting ratchet-handle for. A. Dudgeon. No. 1,091,817; Mar. 31; Gaz. vol. 200; p. 1243.
- Lifting-jacks, Lever-socket for. I. E. Hindman. No. 1,107,611; Aug. 18; Gaz. vol. 205; p. 802.
- Lifting-jacks, Operating means for. J. B. Smythe. No. 1,096,401; May 12; Gaz. vol. 202; p. 454.
- Ligature-holder. G. M. Stratton. No. 1,103,227; July 14; Gaz. vol. 204; p. 398.
- Light. *See* Automobile-light; Curtain-light; Electric light; Electric cap-light; Electric drop-light; Electric flash-light; Flash-light; Gas-light; Headlight; Plumb-light; Portable light; Search-light; Vault-light; Vehicle-light; Vehicle fender-light; Vehicle safety signal-light; Vehicle tail-light.
- Light-conductor. K. Recknagel. No. 1,120,744; Dec. 15; Gaz. vol. 209; p. 725.
- Light-controller. H. A. Myers. No. 1,099,715; June 9; Gaz. vol. 203; p. 505.
- Light, Electrical production of. P. C. Hewitt. No. 1,091,222; Mar. 24; Gaz. vol. 200; p. 998.
- Light-generators, Support for axle-driven. C. F. Frede. No. 1,105,265; July 28; Gaz. vol. 204; p. 1192.
- Light, Method and apparatus for correcting artificial. R. B. Hussey. No. 1,101,026; June 23; Gaz. vol. 203; p. 1048.
- Light, Producing. C. P. Steinmetz. No. 1,088,740; Mar. 3; Gaz. vol. 200; p. 24.
- Light-projecting device. L. Frassier. No. 1,101,172; June 23; Gaz. vol. 203; p. 1098.
- Light-reflecting apparatus. D. C. Shoberg. No. 1,085,500; Jan. 27; Gaz. vol. 198; p. 846.
- Light-reflecting device. E. C. McKinnie. No. 1,084,809; Jan. 20; Gaz. vol. 198; p. 575.
- Light-reflecting device. E. C. McKinnie. No. 1,121,196; Dec. 15; Gaz. vol. 209; p. 885.
- Light-screen for finders. G. Geiger. No. 1,084,622; Jan. 20; Gaz. vol. 198; p. 510.
- Light-shield. T. P. Driver. No. 1,089,539; Mar. 10; Gaz. vol. 200; p. 345.
- Light-support. W. E. Donner. No. 1,085,851; Feb. 3; Gaz. vol. 199; p. 97.
- Light-transforming composition. P. C. Hewitt. No. 1,110,563; Sept. 15; Gaz. vol. 206; p. 685.
- Lights, Wall and ceiling fixture for. D. Crownfield. No. 1,112,197; Sept. 29; Gaz. vol. 206; p. 1332.
- Lighter. A. R. Blum. No. 1,108,684; Aug. 25; Gaz. vol. 205; p. 1222.
- Lighter. J. D. Coughlin. No. 1,084,793; Jan. 20; Gaz. vol. 198; p. 570.
- Lighter. C. Ganz. No. 1,088,271; Feb. 24; Gaz. vol. 199; p. 1079.
- Lighter. R. E. Wing. No. 1,098,604; June 2; Gaz. vol. 203; p. 86.
- Lighter, Automatic. H. E. Wolff. No. 1,106,175; Aug. 4; Gaz. vol. 205; p. 206.
- Lighter, Portable. G. Schleicher. No. 1,091,966; Mar. 31; Gaz. vol. 200; p. 1293.
- Lighter, Pyrophorous. O. Schlick. No. 1,091,967; Mar. 31; Gaz. vol. 200; p. 1294.
- Lighters, Fastener for pocket. J. M. N. Manent. No. 1,089,936; Mar. 10; Gaz. vol. 200; p. 483.
- Lighting apparatus. W. H. Edmunds. No. 1,102,022; June 30; Gaz. vol. 203; p. 1445.
- Lighting apparatus. E. A. Hawthorne. No. 1,090,980; Mar. 24; Gaz. vol. 200; p. 912.
- Lighting, Artificial. H. E. Ives. No. 1,086,534; Feb. 10; Gaz. vol. 199; p. 378.
- Lighting device. J. B. Chevallard, Jr. No. 1,108,970; Sept. 1; Gaz. vol. 206; p. 39.
- Lighting device. E. J. Murphy. No. 1,103,611; July 14; Gaz. vol. 204; p. 530.
- Lighting-fixture. P. A. Bredsvold. No. 1,115,386; Oct. 27; Gaz. vol. 207; p. 1176.
- Lighting-fixture. J. Chassaing. No. 1,114,111; Oct. 20; Gaz. vol. 207; p. 676.
- Lighting-fixture. G. A. Macbeth. No. 1,108,453; Aug. 25; Gaz. vol. 205; p. 1141.
- Lighting-fixture. F. P. Schoenhardt. No. 1,090,795; Mar. 17; Gaz. vol. 200; p. 816.
- Lighting-fixture. E. M. Smith. No. 1,106,685; Aug. 11; Gaz. vol. 205; p. 428.
- Lighting-fixture. C. D. Speelman. No. 1,118,243; Nov. 24; Gaz. vol. 208; p. 1086.
- Lighting-fixture. E. C. Sofio and L. Schepmoes. No. 1,117,270; Nov. 17; Gaz. vol. 208; p. 707.
- Lighting-fixture. M. P. Stevens. No. 1,095,296; May 5; Gaz. vol. 202; p. 42.
- Lighting-fixture. F. W. Wakefield. No. 1,086,426; Feb. 10; Gaz. vol. 199; p. 340.

Alphabetical list of inventions—Continued.

- Lighting-fixture. F. W. Wakefield. No. 1,086,874; Feb. 10; Gaz. vol. 199; p. 499.
- Lighting-fixture. F. W. Wakefield. No. 1,099,477; June 9; Gaz. vol. 203; p. 423.
- Lighting-fixture. F. W. Wakefield. No. 1,111,875; Sept. 29; Gaz. vol. 206; p. 1224.
- Lighting-fixture. F. W. Wakefield. No. 1,119,480; Dec. 1; Gaz. vol. 209; p. 200.
- Lighting-fixture hanger. F. M. Brooks. No. 1,115,166; Oct. 27; Gaz. vol. 207; p. 1102.
- Lighting fixture, Semi-indirect. H. C. Adam. No. 1,121,577; Dec. 15; Gaz. vol. 209; p. 1015.
- Lighting fixture, Semi-indirect. H. C. Adam. No. 1,122,226; Dec. 22; Gaz. vol. 209; p. 1276.
- Lighting means, Artificial. E. J. Brady. No. 1,122,065; Dec. 22; Gaz. vol. 209; p. 1224.
- Lighting means, Artificial. E. J. Brady. No. 1,122,066; Dec. 22; Gaz. vol. 209; p. 1224.
- Lighting means, Artificial. H. E. Ives. No. 1,090,785; Mar. 17; Gaz. vol. 200; p. 813.
- Lighting system. E. B. Jacobson. No. 1,102,194; June 30; Gaz. vol. 203; p. 1505.
- Lightning-arrester. A. Allendorf. No. 1,092,510; Apr. 7; Gaz. vol. 201; p. 134.
- Lightning-arrester. E. Bennett. No. 1,110,179; Sept. 8; Gaz. vol. 206; p. 511.
- Lightning-arrester. A. W. Burke. No. 1,107,584; Aug. 18; Gaz. vol. 205; p. 792.
- Lightning-arrester. F. S. Chapman. No. 1,104,960; July 28; Gaz. vol. 204; p. 1087.
- Lightning-arrester. P. H. Chapman and H. M. Pinggen. No. 1,104,961; July 28; Gaz. vol. 204; p. 1087.
- Lightning-arrester. E. B. Craft. No. 1,101,728; June 30; Gaz. vol. 203; p. 1339.
- Lightning-arrester. G. P. A. Damschen. No. 1,104,038; July 21; Gaz. vol. 204; p. 718.
- Lightning-arrester. G. Giles. No. 1,111,453; Sept. 22; Gaz. vol. 206; p. 1038.
- Lightning-arrester. W. Leiber. No. 1,115,553; Nov. 3; Gaz. vol. 208; p. 29.
- Lightning-arrester. D. T. May. No. 1,101,752; June 30; Gaz. vol. 203; p. 1347.
- Lightning-arrester. H. M. Pinggen. No. 1,117,599; Nov. 17; Gaz. vol. 208; p. 821.
- Lightning-arrester, Vacuum. F. S. Chapman. No. 1,104,959; July 28; Gaz. vol. 204; p. 1086.
- Lightning-arresters, Re-forming of films of electrolytic. J. W. Brown. No. 1,104,620; July 21; Gaz. vol. 204; p. 920.
- Lightning-conductor. L. L. Mast. No. 1,112,634; Oct. 6; Gaz. vol. 207; p. 80.
- Lightning-conductor. L. L. Mast. No. 1,119,973; Dec. 8; Gaz. vol. 209; p. 404.
- Lightning-rod. S. D. Kretzer. No. 1,098,738; June 2; Gaz. vol. 203; p. 130.
- Lightning-rod brace. A. J. Steffes. No. 1,122,434; Dec. 29; Gaz. vol. 209; p. 1386.
- Limb, Artificial. C. V. Blon. No. 1,091,115; Mar. 24; Gaz. vol. 200; p. 960.
- Limb, Artificial. J. E. Hanger, Jr. No. 1,103,960; July 21; Gaz. vol. 204; p. 693.
- Limb, Artificial. C. L. McFarland. No. 1,112,819; Oct. 6; Gaz. vol. 207; p. 143.
- Limb, Artificial. G. R. E. Milligan. No. 1,090,327; Mar. 17; Gaz. vol. 200; p. 657.
- Limb, Artificial. E. C. Moore. No. 1,108,462; Aug. 25; Gaz. vol. 205; p. 1145.
- Limb, Artificial. A. E. Tullis. No. 1,117,725; Nov. 17; Gaz. vol. 208; p. 869.
- Limber connection. W. Mayer. No. 1,098,281; May 26; Gaz. vol. 202; p. 1195.
- Limber-hook. K. Völler. No. 1,119,667; Dec. 1; Gaz. vol. 209; p. 264.
- Limiting and stopping device. B. E. Marshall. No. 1,106,574; Aug. 11; Gaz. vol. 205; p. 390.
- Limousine-body, Detachable. F. J. McAvoy. No. 1,103,599; July 14; Gaz. vol. 204; p. 526.
- Line-casting and kindred machines, Keyboard mechanism for. P. T. Dodge. No. 1,120,458; Dec. 8; Gaz. vol. 209; p. 577.
- Line-casting machine. P. T. Dodge. No. 1,085,893; Feb. 3; Gaz. vol. 199; p. 111.
- Line-casting machine. H. Drewell. No. 1,097,707; May 26; Gaz. vol. 202; p. 993.
- Line-casting machine. T. S. Homans. No. 1,123,126; Dec. 29; Gaz. vol. 209; p. 1629.
- Line-casting machine. D. S. Kennedy. No. 1,092,150; Apr. 7; Gaz. vol. 201; p. 9.
- Line-casting machine. D. S. Kennedy. No. 1,115,208; Oct. 27; Gaz. vol. 207; p. 1118.
- Line-casting machine. L. L. Kennedy. No. 1,115,212; Oct. 27; Gaz. vol. 207; p. 1120.
- Line-casting machine. J. R. Rogers. No. 1,087,139; Feb. 17; Gaz. vol. 199; p. 638.
- Line-casting machine. J. R. Rogers. No. 1,088,728; Mar. 3; Gaz. vol. 200; p. 20.
- Line-casting machine. J. R. Rogers. No. 1,109,872; Sept. 8; Gaz. vol. 206; p. 399.
- Line-casting machine. J. R. Rogers. No. 1,111,096; Sept. 22; Gaz. vol. 206; p. 915.
- Line-casting machine. W. G. White. No. 1,102,179; June 30; Gaz. vol. 203; p. 1499.
- Line-casting-machine matrix. H. A. Sparling. No. 1,111,106; Sept. 22; Gaz. vol. 206; p. 919.
- Line-casting machines, Escapement mechanism for. A. W. Le Boeuf. No. 1,108,378; Aug. 25; Gaz. vol. 205; p. 1117.
- Line-casting machines, Line-stop for. H. A. Armstrong. No. 1,108,825; Aug. 25; Gaz. vol. 205; p. 1270.
- Line-casting machines, Slug-delivery mechanism for. A. W. Le Boeuf. No. 1,112,628; Oct. 6; Gaz. vol. 207; p. 78.
- Line-casting machines, Slug-evenner for. D. Petri-Palmedo. No. 1,108,390; Aug. 25; Gaz. vol. 205; p. 1121.
- Line clamp or holder, Automatic. H. Peters. No. 1,084,476; Jan. 13; Gaz. vol. 198; p. 431.
- Line-clip. J. H. Mackrell. No. 1,116,456; Nov. 10; Gaz. vol. 208; p. 378.
- Line composing and casting machine. H. A. Armstrong. No. 1,108,826; Aug. 25; Gaz. vol. 205; p. 1270.
- Line conductors, Protective casing for. T. E. Murray. No. 1,103,984; July 21; Gaz. vol. 204; p. 700.
- Line-connector. D. W. Kneisly. No. 1,112,415; Sept. 29; Gaz. vol. 206; p. 1409.
- Line-coupling, Automatic. N. M. Boynton, J. P. Michiell, and T. A. Brandhofer, Jr. No. 1,094,115; Apr. 21; Gaz. vol. 201; p. 752.
- Line-disconnecting switch. E. M. Hewlett. No. 1,109,586; Sept. 1; Gaz. vol. 206; p. 255.
- Line-fastener. E. J. Day. No. 1,092,563; Apr. 7; Gaz. vol. 201; p. 151.
- Line-guide. A. C. Ohnsman. No. 1,086,930; Feb. 10; Gaz. vol. 199; p. 517.
- Line holder and stretcher. C. E. Winstead. No. 1,094,286; Apr. 21; Gaz. vol. 201; p. 808.
- Line indicator and signal. C. N. Wilson. No. 1,083,646; Jan. 6; Gaz. vol. 198; p. 128.
- Line or cable clamp. F. P. Kobert. No. 1,103,056; July 14; Gaz. vol. 204; p. 337.
- Line protective device. J. Erickson. No. 1,113,319; Oct. 13; Gaz. vol. 207; p. 359.
- Line setting and casting machine. J. Dorneth. No. 1,115,516; Nov. 3; Gaz. vol. 208; p. 17.
- Line setting and casting machine, Matrix. J. Dorneth. No. 1,108,556; Aug. 25; Gaz. vol. 205; p. 1179.
- Line-slugs, Apparatus for making. H. C. Gammeter. No. 1,122,726; Dec. 29; Gaz. vol. 209; p. 1489.
- Line-spacing mechanism. H. A. Foothorap. No. 1,089,465; Mar. 10; Gaz. vol. 200; p. 318.
- Line-spacing mechanism. M. W. Hazen. No. 1,121,096; Dec. 15; Gaz. vol. 209; p. 849.
- Lineman's chair. F. W. Mayes. No. 1,117,211; Nov. 17; Gaz. vol. 208; p. 686.
- Liner, Parallel. R. L. Gooley. No. 1,093,606; Apr. 21; Gaz. vol. 201; p. 580.
- Liner, Section. J. M. Riedel. No. 1,117,092; Nov. 10; Gaz. vol. 208; p. 605.
- Lining. M. Pugatsky and S. Mannes. No. 1,121,285; Dec. 15; Gaz. vol. 209; p. 914.
- Lining-protector. H. H. Eaton. No. 1,119,750; Dec. 1; Gaz. vol. 209; p. 290.
- Lingo. I. A. Hall. No. 1,098,109; May 26; Gaz. vol. 202; p. 1136.
- Link. W. R. Rittenhouse. No. 1,114,289; Oct. 20; Gaz. vol. 207; p. 740.
- Link-and-lever connection. J. F. McCanna. No. 1,102,776; July 7; Gaz. vol. 204; p. 194.
- Link, Detachable. E. S. Smith. No. 1,121,770; Dec. 22; Gaz. vol. 209; p. 1118.
- Link, Fusible. H. W. Cotton. No. 1,092,562; Apr. 7; Gaz. vol. 201; p. 151.
- Link, Fusible. O. H. Iman. No. 1,120,817; Dec. 15; Gaz. vol. 209; p. 750.
- Link, Fusible. G. I. Rockwood. No. 1,084,710; Jan. 20; Gaz. vol. 198; p. 542.
- Link, Fusible. F. Voigtmann. No. 1,116,518; Nov. 10; Gaz. vol. 208; p. 402.
- Link-mesh-making machine. D. P. Fitzgerald. No. 1,092,251; Apr. 7; Gaz. vol. 201; p. 43.
- Link-mesh-making machine. A. C. Pratt. No. 1,121,045; Dec. 15; Gaz. vol. 209; p. 831.
- Linoleum. S. Haverstick. No. 1,121,182; Dec. 15; Gaz. vol. 209; p. 882.
- Linoleum, Dies for use in the manufacture of inlaid. J. Wright. No. 1,100,463; June 16; Gaz. vol. 203; p. 800.
- Linoleum. Machine for making tessellated. H. A. Potter, Jr., P. Stover, Jr., and W. Munz. No. 1,098,684; June 2; Gaz. vol. 203; p. 112.
- Linoleum or other similar material, Pattern-cylinders or the like for use in connection with the manufacture of inlaid. R. H. Parfitt. No. 1,090,496; Mar. 17; Gaz. vol. 200; p. 718.
- Linoleum, &c., Securing appliance for. N. R. Shults. No. 1,114,194; Oct. 20; Gaz. vol. 207; p. 706.
- Linotype-casting mechanism. H. C. Gammeter. No. 1,122,723; Dec. 29; Gaz. vol. 209; p. 1488.
- Linotype-casting mechanism. G. T. Trundle. No. 1,122,819; Dec. 29; Gaz. vol. 209; p. 1522.
- Linotype-machine. W. E. Bertram. No. 1,086,269; Feb. 3; Gaz. vol. 199; p. 242.
- Linotype-machine. W. E. Bertram. No. 1,108,828; Aug. 25; Gaz. vol. 205; p. 1271.

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- Linotype-machine. W. E. Bertram. No. 1,108,829; Aug. 25; Gaz. vol. 205; p. 1271.
 Linotype-machine. W. E. Bertram. No. 1,116,217; Nov. 3; Gaz. vol. 208; p. 256.
 Linotype-machine. W. E. Bertram. No. 1,116,218; Nov. 3; Gaz. vol. 208; p. 257.
 Linotype-machine. W. E. Bertram. No. 1,116,219; Nov. 3; Gaz. vol. 208; p. 257.
 Linotype-machine. C. H. Christel. No. 1,095,309; May 5; Gaz. vol. 202; p. 47.
 Linotype-machine. H. Degener. No. 1,098,887; June 2; Gaz. vol. 203; p. 180.
 Linotype-machine. T. S. Homans. No. 1,092,715; Apr. 7; Gaz. vol. 201; p. 203.
 Linotype-machine. T. S. Homans. No. 1,116,279; Nov. 3; Gaz. vol. 208; p. 276.
 Linotype-machine. T. S. Homans. No. 1,116,280; Nov. 3; Gaz. vol. 208; p. 276.
 Linotype-machine. T. S. Homans. No. 1,119,601; Dec. 1; Gaz. vol. 209; p. 241.
 Linotype-machine. J. R. McRae. No. 1,088,713; Mar. 3; Gaz. vol. 200; p. 15.
 Linotype-machine. J. A. Quinn. No. 1,097,877; May 26; Gaz. vol. 202; p. 1053.
 Linotype-machine. W. M. Rapp. No. 1,101,660; June 30; Gaz. vol. 203; p. 1317.
 Linotype-machine. W. G. White. No. 1,108,818; Aug. 25; Gaz. vol. 205; p. 1267.
 Linotype-machine attachment. I. A. Roshon. No. 1,095,677; May 5; Gaz. vol. 202; p. 172.
 Linotype-machine brake. O. M. Fancher. No. 1,088,557; Feb. 24; Gaz. vol. 199; p. 1171.
 Linotype-machine-motor support. A. J. Cline. No. 1,097,533; May 19; Gaz. vol. 202; p. 888.
 Linotype-machine space-band. G. T. Williams. No. 1,118,718; Nov. 24; Gaz. vol. 208; p. 1255.
 Linotype-machines. Keyboard and escapement mechanism for. H. Petersen. No. 1,098,681; June 2; Gaz. vol. 203; p. 111.
 Linotype-machines. Matrix for. J. Mayer and C. Muehleisen. No. 1,105,204; July 28; Gaz. vol. 204; p. 1170.
 Linotype-machines. Space-band for. G. T. Williams. No. 1,115,358; Oct. 27; Gaz. vol. 207; p. 1166.
 Linotype-machines. Wiper for trimming-knives of. W. C. Redfield. No. 1,094,931; Apr. 28; Gaz. vol. 201; p. 1092.
 Linotype-magazine rack. T. H. Knapp. No. 1,084,744; Jan. 20; Gaz. vol. 198; p. 553.
 Linotype-matrix. J. B. Bell. No. 1,115,274; Oct. 27; Gaz. vol. 207; p. 1139.
 Linotype-matrix. G. L. Hammond. No. 1,108,361; Aug. 25; Gaz. vol. 205; p. 1110.
 Linotype-mold. A. A. Bailey, Jr. No. 1,091,724; Mar. 31; Gaz. vol. 200; p. 1209.
 Linotype-slug. H. C. Gammeter. No. 1,122,727; Dec. 29; Gaz. vol. 209; p. 1489.
 Linotype-slugs. Device for treating. H. C. Gammeter. No. 1,122,729; Dec. 29; Gaz. vol. 209; p. 1490.
 Linotype-slugs. Device for trimming. J. Komancsek. No. 1,106,948; Aug. 11; Gaz. vol. 205; p. 521.
 Linotype-slugs. Making. H. C. Gammeter. No. 1,122,725; Dec. 29; Gaz. vol. 209; p. 1488.
 Linotype-slugs. Mechanism for ejecting. G. T. Trundle, Jr. No. 1,122,820; Dec. 29; Gaz. vol. 209; p. 1523.
 Linotypes and apparatus therefor. Production of. H. Pearce and J. E. Billington. No. 1,116,623; Nov. 10; Gaz. vol. 208; p. 442.
 Linting and delinting machine attachment. W. H. Camp. No. 1,089,318; Mar. 3; Gaz. vol. 200; p. 219.
 Liquid and gasoline gage. C. G. Condit. No. 1,101,409; June 23; Gaz. vol. 203; p. 1178.
 Liquid-applying apparatus. C. F. Pease and C. A. Green. No. 1,085,820; Feb. 3; Gaz. vol. 199; p. 86.
 Liquid-applying comb and the like. F. C. Jones. No. 1,084,743; Jan. 20; Gaz. vol. 198; p. 553.
 Liquid-applying device. M. F. Brogan. No. 1,090,196; Mar. 17; Gaz. vol. 200; p. 612.
 Liquid-applying device. G. Smith. No. 1,088,797; Mar. 3; Gaz. vol. 200; p. 42.
 Liquid carrying and dispensing box. L. E. Buchman. No. 1,088,964; Mar. 3; Gaz. vol. 200; p. 101.
 Liquid-container. W. R. Leonard. No. 1,084,944; Jan. 20; Gaz. vol. 198; p. 620.
 Liquid-cooler. W. Vosseler. No. 1,099,329; June 9; Gaz. vol. 203; p. 373.
 Liquid cooler and carbonator, Combined. H. G. Cordley. No. 1,087,436; Feb. 17; Gaz. vol. 199; p. 743.
 Liquid cooling and dispensing apparatus. A. Kalthoff. No. 1,098,323; May 26; Gaz. vol. 202; p. 1210.
 Liquid-cooling apparatus. R. W. Cumberland. No. 1,098,343; May 26; Gaz. vol. 202; p. 1216.
 Liquid-dispenser. J. B. Hall. No. 1,107,299; Aug. 18; Gaz. vol. 205; p. 689.
 Liquid-dispenser. P. Kanellos. No. 1,092,533; Apr. 7; Gaz. vol. 201; p. 141.
 Liquid-dispensing apparatus. A. Dade. No. 1,088,261; Feb. 24; Gaz. vol. 199; p. 1075.
 Liquid-dispensing apparatus. A. E. Schatz. No. 1,112,386; Sept. 29; Gaz. vol. 206; p. 1399.
 Liquid-dispensing apparatus. E. R. Williams. No. 1,107,393; Aug. 18; Gaz. vol. 205; p. 723.
 Liquid-dispensing device. J. Desmond. No. 1,091,642; Mar. 31; Gaz. vol. 200; p. 1181.
 Liquid-dispensing device. H. Huss. No. 1,086,532; Feb. 10; Gaz. vol. 199; p. 377.
 Liquid-dispensing device. M. M. Marcuse. No. 1,116,717; Nov. 10; Gaz. vol. 208; p. 474.
 Liquid-dispensing machine. R. P. Link. No. 1,100,586; June 16; Gaz. vol. 203; p. 840.
 Liquid-distributor, Animal-operated. H. L. Ide. No. 1,096,244; May 12; Gaz. vol. 202; p. 400.
 Liquid-distributing apparatus. A. Bowser. No. 1,086,990; Feb. 10; Gaz. vol. 199; p. 536.
 Liquid-distributing device. P. J. Madigan. No. 1,090,320; Mar. 17; Gaz. vol. 200; p. 655.
 Liquid-dividing apparatus. B. C. Hinman and E. W. Robey. No. 1,121,246; Dec. 15; Gaz. vol. 209; p. 900.
 Liquid-drawing apparatus. J. J. Tokheim. No. 1,087,410; Feb. 17; Gaz. vol. 199; p. 732.
 Liquid-ejector for shoe-polish and similar articles. E. A. Schelnik. No. 1,095,423; May 5; Gaz. vol. 202; p. 85.
 Liquid-elevating apparatus. A. Priestman. No. 1,102,684; July 7; Gaz. vol. 204; p. 161.
 Liquid-feeding governor. H. S. Wilson. No. 1,114,213; Oct. 20; Gaz. vol. 207; p. 713.
 Liquid from organic and inorganic substances, Removing. B. Schwerin. No. 1,121,409; Dec. 15; Gaz. vol. 209; p. 956.
 Liquid from solid matter, Apparatus for separating. H. C. Colburn. No. 1,112,119; Sept. 29; Gaz. vol. 206; p. 1304.
 Liquid-fuel burner. G. R. Bair. No. 1,098,657; June 2; Gaz. vol. 203; p. 103.
 Liquid-fuel burner. G. E. Denman. No. 1,086,998; Feb. 10; Gaz. vol. 199; p. 538.
 Liquid-fuel burner. G. E. Denman. No. 1,114,450; Oct. 20; Gaz. vol. 207; p. 798.
 Liquid-fuel burner. S. M. English and L. V. Edmondson. No. 1,083,604; Jan. 6; Gaz. vol. 198; p. 115.
 Liquid-fuel burner. F. W. Eveland. No. 1,099,542; June 9; Gaz. vol. 203; p. 446.
 Liquid-fuel burner. A. Ewing. No. 1,108,728; Aug. 25; Gaz. vol. 205; p. 1237.
 Liquid-fuel burner. T. B. Ferguson. No. 1,086,519; Feb. 10; Gaz. vol. 199; p. 373.
 Liquid-fuel burner. T. B. Ferguson. No. 1,111,448; Sept. 22; Gaz. vol. 206; p. 1036.
 Liquid-fuel burner. T. B. Ferguson. No. 1,111,449; Sept. 22; Gaz. vol. 206; p. 1036.
 Liquid-fuel burner. W. Gordin. No. 1,085,334; Jan. 27; Gaz. vol. 198; p. 791.
 Liquid-fuel burner. J. J. Kermod. No. 1,097,235; May 19; Gaz. vol. 202; p. 786.
 Liquid-fuel burner. I. Lertora. No. 1,115,218; Oct. 27; Gaz. vol. 207; p. 1122.
 Liquid-fuel burner. E. G. Myers and J. W. Carrier. No. 1,115,722; Nov. 3; Gaz. vol. 208; p. 87.
 Liquid-fuel burner. N. Rosenberg. No. 1,098,642; June 2; Gaz. vol. 203; p. 98.
 Liquid-fuel burner. K. Röth. No. 1,121,873; Dec. 22; Gaz. vol. 209; p. 1156.
 Liquid-fuel burner. J. C. Simmons. No. 1,091,169; Mar. 24; Gaz. vol. 200; p. 979.
 Liquid-fuel burner. J. J. Tracy, Jr. No. 1,111,109; Sept. 22; Gaz. vol. 206; p. 920.
 Liquid-fuel burner. E. B. Valot. No. 1,084,117; Jan. 13; Gaz. vol. 198; p. 315.
 Liquid-fuel burner. H. E. Yarrow. No. 1,114,664; Oct. 20; Gaz. vol. 207; p. 870.
 Liquid-fuel burner and furnace. E. Buchholtz. No. 1,114,729; Oct. 27; Gaz. vol. 207; p. 946.
 Liquid fuel, Burning. H. L. Doherty. No. 1,101,789; June 30; Gaz. vol. 203; p. 1361.
 Liquid fuel, Burning. H. L. Doherty. No. 1,101,790; June 30; Gaz. vol. 203; p. 1361.
 Liquid-fuel-burning apparatus. W. E. Oakley. No. 1,103,535; July 14; Gaz. vol. 204; p. 501.
 Liquid-fuel-burning apparatus. W. E. Oakley and W. A. Pentecost. No. 1,103,617; July 14; Gaz. vol. 204; p. 533.
 Liquid-fuel-burning apparatus. S. W. Price. No. 1,105,833; Aug. 4; Gaz. vol. 205; p. 86.
 Liquid-fuel furnace. G. E. Canhac. No. 1,121,474; Dec. 15; Gaz. vol. 209; p. 979.
 Liquid-fuel furnace. A. T. Jones. No. 1,114,769; Oct. 27; Gaz. vol. 207; p. 961.
 Liquid-gage. W. H. Hout. No. 1,118,773; Nov. 24; Gaz. vol. 208; p. 1272.
 Liquid-gage, Adjustable. C. F. Hamilton. No. 1,111,455; Sept. 22; Gaz. vol. 206; p. 1038.
 Liquid-gage lock. O. C. Ritz-Woller. No. 1,088,727; Mar. 3; Gaz. vol. 200; p. 20.
 Liquid-gages. Air-control device for. O. C. Ritz-Woller. No. 1,086,561; Feb. 10; Gaz. vol. 199; p. 388.
 Liquid heating and vaporizing device. C. L. Preinsler. No. 1,103,830; July 14; Gaz. vol. 204; p. 606.
 Liquid-heating apparatus. H. Junkers. No. 1,085,341; Jan. 27; Gaz. vol. 198; p. 793.
 Liquid-level indicator. J. J. Toohey. No. 1,118,075; Nov. 24; Gaz. vol. 208; p. 1030.
 Liquid-level indicator. J. A. Turner. No. 1,093,745; Apr. 21; Gaz. vol. 201; p. 628.

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- Liquid-measuring meters, Automatic air-relief for. T. F. Mulligan. No. 1,119,979; Dec. 8; Gaz. vol. 209; p. 407.
- Liquid-meter. H. C. Alger. No. 1,087,097; Feb. 17; Gaz. vol. 199; p. 623.
- Liquid-meter. H. H. Gregory. No. 1,088,566; Feb. 24; Gaz. vol. 199; p. 1175.
- Liquid-meter. W. I. Staaf. No. 1,093,808; Apr. 21; Gaz. vol. 201; p. 648.
- Liquid-meter. W. I. Staaf and E. B. Tyler. No. 1,092,082; Mar. 31; Gaz. vol. 200; p. 1331.
- Liquid-mixer. J. J. Wood. No. 1,089,806; Mar. 10; Gaz. vol. 200; p. 435.
- Liquid mixing and filling apparatus. W. A. Shephard. No. 1,101,574; June 30; Gaz. vol. 203; p. 1287.
- Liquid-package. G. A. Foster. No. 1,107,509; Aug. 18; Gaz. vol. 205; p. 765.
- Liquid-pasteurizing. C. Krug. No. 1,119,520; Dec. 1; Gaz. vol. 209; p. 214.
- Liquid-receptacle. B. W. Davis. No. 1,115,405; Oct. 27; Gaz. vol. 207; p. 1183.
- Liquid-receptacles, Sanitary carrier for. R. J. Woodbury. No. 1,109,496; Sept. 1; Gaz. vol. 206; p. 225.
- Liquid-regulator, Float-operated. T. F. Sanborn. No. 1,085,166; Jan. 27; Gaz. vol. 198; p. 732.
- Liquid-separator. J. J. Berrigan. No. 1,087,568; Feb. 17; Gaz. vol. 199; p. 789.
- Liquid-separator. H. E. Theisen. No. 1,088,187; Feb. 24; Gaz. vol. 199; p. 1050.
- Liquid-separator, Centrifugal. M. L. Hoyt. No. 1,121,364; Dec. 15; Gaz. vol. 209; p. 941.
- Liquid-separator, Centrifugal. J. P. Johansson. No. 1,115,825; Nov. 3; Gaz. vol. 208; p. 120.
- Liquid-server. C. W. Corey. No. 1,085,404; Jan. 27; Gaz. vol. 198; p. 815.
- Liquid-supplying means for a rotatable body. H. Juilfs. No. 1,117,133; Nov. 10; Gaz. vol. 208; p. 619.
- Liquid systems, Automatic air-relief valve for. T. F. Mulligan. No. 1,119,980; Dec. 8; Gaz. vol. 209; p. 407.
- Liquid-treating apparatus. H. L. Doherty. No. 1,098,487; June 2; Gaz. vol. 203; p. 45.
- Liquid-treating device. A. O. Fox and R. R. Bates. No. 1,114,874; Oct. 27; Gaz. vol. 207; p. 998.
- Liquid under pressure, Apparatus for delivering. W. H. Bees. No. 1,084,061; Jan. 13; Gaz. vol. 198; p. 296.
- Liquid-weighing apparatus. H. W. Welsh. No. 1,099,223; June 9; Gaz. vol. 203; p. 335.
- Liquids and gases, Apparatus for scrubbing or similarly treating. B. F. B. Sewell. No. 1,108,853; Aug. 25; Gaz. vol. 205; p. 1280.
- Liquids and gases or vapors into contact with each other, Apparatus for bringing. W. Feld. No. 1,110,914; Sept. 15; Gaz. vol. 206; p. 811.
- Liquids and solids and washing or otherwise treating the separated solids, Separating. J. J. Berrigan. No. 1,087,094; Feb. 10; Gaz. vol. 199; p. 569.
- Liquids and thickening pulps, Apparatus for clarifying. H. B. Lowden. No. 1,098,812; June 2; Gaz. vol. 203; p. 154.
- Liquids, Apparatus for controlling the flow of. H. Reisert. No. 1,115,974; Nov. 3; Gaz. vol. 208; p. 173.
- Liquids, Apparatus for safe storage of volatile. W. H. McNutt. No. 1,118,299; Nov. 24; Gaz. vol. 208; p. 1106.
- Liquids, Apparatus for storing and distributing inflammable. J. F. Rolland and P. A. P. Maucière. No. 1,097,470; May 19; Gaz. vol. 202; p. 866.
- Liquids, Apparatus for the aeration of. F. C. Yeo, W. M. Hall, and T. A. Goskar. No. 1,086,972; Feb. 10; Gaz. vol. 199; p. 530.
- Liquids, Apparatus for the continuous examination of. O. Friese and F. Graafen. No. 1,096,832; May 19; Gaz. vol. 202; p. 642.
- Liquids, Apparatus for the even distribution of. A. Jonas. No. 1,113,643; Oct. 13; Gaz. vol. 207; p. 471.
- Liquids by electricity, Apparatus for heating, evaporating, volatilizing, or distilling. T. McClelland, Jr. No. 1,121,743; Dec. 22; Gaz. vol. 209; p. 1109.
- Liquids by means of the ultra-violet rays, Apparatus for sterilizing. T. Nogier. No. 1,091,382; Mar. 24; Gaz. vol. 200; p. 1048.
- Liquids by means of ultra-violet rays, Apparatus for sterilizing. V. Henri, A. Helbronner, and M. von Recklinghausen. No. 1,091,221; Mar. 24; Gaz. vol. 200; p. 998.
- Liquids, Elevating. A. Priestman. No. 1,102,683; July 7; Gaz. vol. 204; p. 161.
- Liquids, Feed device for. J. Williams, Jr. No. 1,084,380; Jan. 13; Gaz. vol. 198; p. 401.
- Liquids, Feed device for. J. Williams, Jr. No. 1,098,203; May 26; Gaz. vol. 202; p. 1167.
- Liquids, Heating and evaporating. O. K. Zwingenberger. No. 1,104,285; July 21; Gaz. vol. 204; p. 803.
- Liquids, High-level indicator for. L. K. Seltzer and J. O. Stähr. No. 1,116,934; Nov. 10; Gaz. vol. 208; p. 550.
- Liquids homogeneous, Device for mixing and rendering. F. M. Berberich. No. 1,112,050; Sept. 29; Gaz. vol. 206; p. 1280.
- Liquids, Loop for transferring. A. G. Paul. No. 1,097,594; May 19; Gaz. vol. 202; p. 908.
- Liquids, Machine for delivering measured quantities of. W. Meischke-Smith. No. 1,123,133; Dec. 29; Gaz. vol. 209; p. 1632.
- Liquids, Means for tempering. T. L. Valerius. No. 1,091,097; Mar. 24; Gaz. vol. 200; p. 953.
- Liquids, Mechanism for combining. J. W. Ledoux. No. 1,085,348; Jan. 27; Gaz. vol. 198; p. 796.
- Liquids or pulps, Apparatus for agitating and aerating. A. C. Howard. No. 1,084,210; Jan. 13; Gaz. vol. 198; p. 347.
- Liquids, Raising or forcing. H. A. Humphrey. No. 1,085,865; Feb. 3; Gaz. vol. 199; p. 101.
- Liquids, Safety-closure for containers of inflammable. M. Jasper. No. 1,105,276; July 28; Gaz. vol. 204; p. 1196.
- Liquids, System for ozonizing. G. F. Butler. No. 1,089,108; Mar. 3; Gaz. vol. 200; p. 149.
- Liquids to high densities, Apparatus for concentrating. P. Kestner. No. 1,090,628; Mar. 17; Gaz. vol. 200; p. 764.
- Liquids, Treating. A. O. Fox and R. R. Bates. No. 1,114,875; Oct. 27; Gaz. vol. 207; p. 999.
- Liquids which contain colloidal silicic acid as an impurity, Purifying. H. W. de Stucklé. No. 1,118,895; Nov. 24; Gaz. vol. 208; p. 1313.
- Liquids with gases, Apparatus for saturating. J. F. and R. W. Wittemann. No. 1,117,539; Nov. 17; Gaz. vol. 208; p. 801.
- Liquids with ozone, System for treating. M. Fuss. No. 1,090,044; Mar. 10; Gaz. vol. 200; p. 517.
- Liquids with ultra-violet rays, Apparatus for treating. V. Henri, A. Helbronner, and M. von Recklinghausen. No. 1,118,006; Nov. 24; Gaz. vol. 208; p. 1005.
- Liquor using pyrites, Apparatus for making bisulfite. V. Drewsen. No. 1,119,004; Dec. 1; Gaz. vol. 209; p. 35.
- Liquors, Recovery of ingredients from wool-scouring and analogous. W. G. Abbott, Jr. No. 1,110,277; Sept. 8; Gaz. vol. 206; p. 546.
- Lister attachment. V. Lauer. No. 1,084,153; Jan. 13; Gaz. vol. 198; p. 327.
- Lithographic and other printing machines, Feed-guide for. E. J. Roberts. No. 1,092,455; Apr. 7; Gaz. vol. 201; p. 115.
- Lithographic machine, Rotary. R. P. Payne. No. 1,113,137; Oct. 6; Gaz. vol. 207; p. 250.
- Lithographic press. C. Wagner and A. Hormel. No. 1,120,770; Dec. 15; Gaz. vol. 209; p. 734.
- Lithographic press. C. Wagner and A. Hormel. No. 1,120,771; Dec. 15; Gaz. vol. 209; p. 734.
- Lithographic stones, Preparing. H. Busch and W. Schupbach. No. 1,108,695; Aug. 25; Gaz. vol. 205; p. 1226.
- Lithographic stones, zinc, &c., Machine for cleaning and graining. J. Bouillet. No. 1,091,036; Mar. 24; Gaz. vol. 200; p. 933.
- Lithographing. J. E. Horney. No. 1,117,490; Nov. 17; Gaz. vol. 208; p. 785.
- Litter-carrier. G. A. Olson. No. 1,109,456; Sept. 1; Gaz. vol. 206; p. 212.
- Lixiviating apparatus. E. N. Trump. No. 1,084,980; Jan. 20; Gaz. vol. 198; p. 632.
- Load-binder. W. C. Kelso. No. 1,085,268; Jan. 27; Gaz. vol. 198; p. 768.
- Load-binder and brake attachment, Combined. W. M. Agee. No. 1,099,153; June 9; Gaz. vol. 203; p. 311.
- Load-brake. E. H. Dewson. No. 1,089,401; Mar. 10; Gaz. vol. 200; p. 294.
- Load-distributing apparatus. H. A. Laycock. No. 1,096,930; May 19; Gaz. vol. 202; p. 678.
- Load-indicator. W. M. Brown. No. 1,111,560; Sept. 22; Gaz. vol. 206; p. 1075.
- Load-lifter. D. H. Meyer. No. 1,095,411; May 5; Gaz. vol. 202; p. 81.
- Load-transfer apparatus. T. S. Miller. No. 1,094,005; Apr. 21; Gaz. vol. 201; p. 716.
- Load-transferring apparatus. H. W. Hildebrand. No. 1,101,438; June 23; Gaz. vol. 203; p. 1188.
- Load-transferring apparatus. T. S. Miller. No. 1,102,534; July 7; Gaz. vol. 204; p. 109.
- Loads on vehicles, Rope-bearer grip for use in securing. R. Shave and F. T. Pullar. No. 1,095,679; May 5; Gaz. vol. 202; p. 173.
- Loader. C. M. Wangness. No. 1,106,171; Aug. 4; Gaz. vol. 205; p. 205.
- Loading accommodator for warehouses, Vehicle-. J. Love. No. 1,112,543; Oct. 6; Gaz. vol. 207; p. 47.
- Loading and unloading apparatus. L. M. Oden. No. 1,115,859; Nov. 3; Gaz. vol. 208; p. 134.
- Loading and unloading device. J. T. Clark. No. 1,109,965; Sept. 8; Gaz. vol. 206; p. 433.
- Loading and unloading device. M. J. Gogarty. No. 1,085,032; Jan. 20; Gaz. vol. 198; p. 650.
- Loading and unloading device. J. Johnson. No. 1,103,209; July 14; Gaz. vol. 204; p. 393.
- Loading apparatus. A. V. Jensen. No. 1,120,200; Dec. 8; Gaz. vol. 209; p. 485.
- Loading apparatus. F. H. Kindl. No. 1,097,759; May 26; Gaz. vol. 202; p. 1012.
- Loading apparatus. J. Lass. No. 1,097,806; May 26; Gaz. vol. 202; p. 1029.
- Loading apparatus. N. Madson. No. 1,119,360; Dec. 1; Gaz. vol. 209; p. 159.

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- Loading device. R. and J. Ewen. No. 1,098,239; May 26; Gaz. vol. 202; p. 1179.
- Loading device. C. C. Hatfield. No. 1,085,040; Jan. 20; Gaz. vol. 198; p. 652.
- Loading device. A. Smith. No. 1,090,658; Mar. 17; Gaz. vol. 200; p. 773.
- Loading-machine. J. L. Schneider. No. 1,090,418; Mar. 17; Gaz. vol. 200; p. 690.
- Loaf-forming machine. W. B. Barcus. No. 1,114,572; Oct. 20; Gaz. vol. 207; p. 839.
- Loaf-forming machine. H. Hackstedde. No. 1,091,061; Mar. 24; Gaz. vol. 200; p. 941.
- Locating instrument. S. L. Davis. No. 1,119,779; Dec. 1; Gaz. vol. 209; p. 300.
- Lock: See Alarm-lock; Automobile-lock; Automobile brake-lock; Automobile clutch-lock; Automobile clutch-lever lock; Automobile hood-lock; Automobile lever-lock; Bag-lock; Base-lock; Bolt-lock; Bolt and nut lock; Box-lock; Burglar-alarm window-lock; Car-door lock; Casement-lock; Circuit-closer lock; Circuit-controlling lock; Clutch-pedal lock; Coin-controlled lock; Combination-lock; Control-lock; Corset-lock; Coupling-lock; Coupling-head safety-lock; Cow-tie lock; Crank-lock; Cycle-lock; Cylinder-lock; Door-lock; Drawer-lock; Electric lock; Electrically-operated lock; Electromagnetic lock; Elevator-lock; Elevator-door lock; Engine-hood lock; Envelop-lock; Filing-case lock; Fire-door lock; Galley-lock; Galley foot-lock; Garment-lock; Gear-ing-lock; Hasp-lock; Indicator-lock; Jimmy-proof lock; Key-lock; Key-ring lock; Keyhole-lock; Knob-lock; Ladder-lock; Lever-lock; Liquid-gage lock; Mail-bag lock; Mail-box lock; Nut-lock; Nut and bolt lock; Oar-lock; Padlock; Permutation-lock; Piano-lock; Pin-tumbler lock; Pneumatic lock; Rail-joint lock; Railway-spike lock; Railway-switch lock; Rope-lock; Safety-lock; Sash-lock; Seal-lock; Sidestick and galley lock; Spike-lock; Stovepipe-lock; Switch-lock; Switch-lever lock; Switch-plug lock; Switch-stand lock; Table-lock; Time-lock; Time-recording lock; Timed lock; Tire-lock; Trunk-lock; Unit base-lock; Valve-lock; Vehicle coupling-lock; Vehicle door-lock; Watch case and movement lock; Wedge-bolt lock; Wheel-lock; Whip-lock; Whip-socket lock; Whip-stock lock; Window-lock; Window-stop lock; Yoke-lock.
- Lock. H. Adler. No. 1,112,246; Sept. 29; Gaz. vol. 206; p. 1350.
- Lock. W. S. Ball. No. 1,103,897; July 14; Gaz. vol. 204; p. 629.
- Lock. B. T. Beardsley. No. 1,115,771; Nov. 3; Gaz. vol. 208; p. 103.
- Lock. B. E. Beers. No. 1,087,865; Feb. 17; Gaz. vol. 199; p. 890.
- Lock. E. C. Belknap. No. 1,102,207; June 30; Gaz. vol. 203; p. 1510.
- Lock. E. M. Benham. No. 1,106,916; Aug. 11; Gaz. vol. 205; p. 509.
- Lock. J. B. Calvert. No. 1,085,016; Jan. 20; Gaz. vol. 198; p. 644.
- Lock. J. Capitain. No. 1,100,417; June 16; Gaz. vol. 203; p. 785.
- Lock. S. W. Chapman. No. 1,120,280; Dec. 8; Gaz. vol. 209; p. 513.
- Lock. W. E. Deibert. No. 1,083,483; Jan. 6; Gaz. vol. 198; p. 75.
- Lock. E. H. Dohse. No. 1,083,438; Jan. 6; Gaz. vol. 198; p. 60.
- Lock. O. P. Driebusch. No. 1,105,632; Aug. 4; Gaz. vol. 205; p. 16.
- Lock. J. Duran. No. 1,099,493; June 9; Gaz. vol. 203; p. 428.
- Lock. L. A. Fealy. No. 1,087,750; Feb. 17; Gaz. vol. 199; p. 852.
- Lock. J. Fekette. No. 1,090,700; Mar. 17; Gaz. vol. 200; p. 786.
- Lock. W. Fields. No. 1,106,292; Aug. 4; Gaz. vol. 205; p. 243.
- Lock. E. R. Glenn and C. C. Behney. No. 1,095,569; May 5; Gaz. vol. 202; p. 135.
- Lock. J. Grandits. No. 1,084,082; Jan. 13; Gaz. vol. 198; p. 303.
- Lock. J. Grossmann. No. 1,107,297; Aug. 18; Gaz. vol. 205; p. 688.
- Lock. W. H. Hale. No. 1,104,493; July 21; Gaz. vol. 204; p. 876.
- Lock. C. Hansen. No. 1,095,500; May 5; Gaz. vol. 202; p. 113.
- Lock. E. N. Heard. No. 1,102,660; July 7; Gaz. vol. 204; p. 154.
- Lock. B. F. Higgins. No. 1,109,068; Sept. 1; Gaz. vol. 206; p. 75.
- Lock. A. S. Hill. No. 1,090,057; Mar. 10; Gaz. vol. 200; p. 522.
- Lock. G. W. Himler. No. 1,117,846; Nov. 17; Gaz. vol. 208; p. 911.
- Lock. C. E. Johnson. No. 1,111,387; Sept. 22; Gaz. vol. 206; p. 1015.
- Lock. E. Kleiner. No. 1,122,768; Dec. 29; Gaz. vol. 209; p. 1502.
- Lock. G. H. Klobuchar. No. 1,100,579; June 16; Gaz. vol. 203; p. 838.
- Lock. J. F. Koch. No. 1,112,706; Oct. 6; Gaz. vol. 207; p. 105.
- Lock. G. H. Lamb. No. 1,104,052; July 21; Gaz. vol. 204; p. 724.
- Lock. E. L. Lint. No. 1,093,637; Apr. 21; Gaz. vol. 201; p. 591.
- Lock. W. C. and C. R. Martineau and A. B. Appler. No. 1,111,599; Sept. 22; Gaz. vol. 206; p. 1089.
- Lock. R. G. McMahon. No. 1,103,798; July 14; Gaz. vol. 204; p. 596.
- Lock. W. Meier. No. 1,091,368; Mar. 24; Gaz. vol. 200; p. 1043.
- Lock. I. D. Merritt. No. 1,085,817; Feb. 3; Gaz. vol. 199; p. 85.
- Lock. F. W. Meyer. No. 1,118,303; Nov. 24; Gaz. vol. 208; p. 1107.
- Lock. J. Monzaney. No. 1,105,093; July 28; Gaz. vol. 204; p. 1133.
- Lock. A. A. Olson and G. H. Blood. No. 1,087,069; Feb. 10; Gaz. vol. 199; p. 561.
- Lock. A. A. Page and H. H. Munson. No. 1,095,124; Apr. 28; Gaz. vol. 201; p. 1158.
- Lock. R. Schoell. No. 1,116,929; Nov. 10; Gaz. vol. 208; p. 549.
- Lock. C. Schoenfeld. No. 1,121,047; Dec. 15; Gaz. vol. 209; p. 832.
- Lock. S. Segal. No. 1,087,839; Feb. 17; Gaz. vol. 199; p. 882.
- Lock. J. H. Shaw. No. 1,085,828; Feb. 3; Gaz. vol. 199; p. 89.
- Lock. J. H. Shaw. No. 1,089,977; Mar. 10; Gaz. vol. 200; p. 495.
- Lock. F. Soley. No. 1,123,200; Dec. 29; Gaz. vol. 209; p. 1657.
- Lock. W. E. Sparks. No. 1,089,729; Mar. 10; Gaz. vol. 200; p. 409.
- Lock. W. E. Sparks. No. 1,100,266; June 16; Gaz. vol. 203; p. 732.
- Lock. A. Staab. No. 1,100,449; June 16; Gaz. vol. 203; p. 795.
- Lock. J. C. Sullivan. No. 1,084,502; Jan. 13; Gaz. vol. 198; p. 439.
- Lock. A. Taraszir. No. 1,102,363; July 7; Gaz. vol. 204; p. 49.
- Lock. K. Umhauer. No. 1,106,599; Aug. 11; Gaz. vol. 205; p. 399.
- Lock. H. G. Voight. No. 1,105,167; July 28; Gaz. vol. 204; p. 1157.
- Lock. F. J. Wellisch. No. 1,092,414; Apr. 7; Gaz. vol. 201; p. 100.
- Lock. E. L. Williams. No. 1,093,817; Apr. 21; Gaz. vol. 201; p. 653.
- Lock. E. L. Williams. No. 1,105,052; July 28; Gaz. vol. 204; p. 1118.
- Lock. A. Womack. No. 1,084,053; Jan. 13; Gaz. vol. 198; p. 293.
- Lock. J. M. Wright. No. 1,113,858; Oct. 13; Gaz. vol. 207; p. 549.
- Lock. P. Zappile. No. 1,097,902; May 26; Gaz. vol. 202; p. 1064.
- Lock and alarm, Combined. J. J. Slepicka. No. 1,122,809; Dec. 29; Gaz. vol. 209; p. 1518.
- Lock and key. R. Walser and A. Sauter. No. 1,100,511; June 16; Gaz. vol. 203; p. 815.
- Lock and knocker, Combined. C. E. C. Edey. No. 1,110,194; Sept. 8; Gaz. vol. 206; p. 516.
- Lock and latch. G. N. Mason. No. 1,105,152; July 28; Gaz. vol. 204; p. 1151.
- Lock and latch. J. Montgomery. No. 1,086,837; Feb. 10; Gaz. vol. 199; p. 485.
- Lock and latch. C. A. Prescott. No. 1,123,004; Dec. 29; Gaz. vol. 209; p. 1587.
- Lock and latch. W. H. F. Young. No. 1,112,347; Sept. 29; Gaz. vol. 206; p. 1384.
- Lock and latch, Combined. E. H. Tracy. No. 1,088,484; Feb. 24; Gaz. vol. 199; p. 1148.
- Lock, bolt, and latch releasing device. H. V. Perreault. No. 1,086,848; Feb. 10; Gaz. vol. 199; p. 490.
- Lock-box mechanism for jail-cells. J. H. Van Dorn and J. T. Whitehouse. No. 1,110,470; Sept. 15; Gaz. vol. 206; p. 654.
- Lock construction. H. G. Voight. No. 1,093,809; Apr. 21; Gaz. vol. 201; p. 649.
- Lock construction, Cylinder-. H. G. Voight. No. 1,115,040; Oct. 27; Gaz. vol. 207; p. 1057.
- Lock-controlling device, Receptacle-. G. W. Boylan. No. 1,085,962; Feb. 3; Gaz. vol. 199; p. 137.
- Lock-coupling, Combination. D. U. Powell. No. 1,098,299; May 26; Gaz. vol. 202; p. 1201.
- Lock dial, Permutation-. W. T. Benham. No. 1,113,865; Oct. 13; Gaz. vol. 207; p. 551.
- Lock for lockers. W. S. Farnsworth. No. 1,114,244; Oct. 20; Gaz. vol. 207; p. 724.
- Lock for portable articles. A. C. Terrill. No. 1,105,938; Aug. 4; Gaz. vol. 205; p. 123.
- Lock for receptacle-closures. O. C. Ritz-Woller. No. 1,096,951; May 19; Gaz. vol. 202; p. 686.

Alphabetical list of inventions—Continued.

- Lock for sofa-bed seats, &c. S. Gundersen. No. 1,094,850; Apr. 28; Gaz. vol. 201; p. 1065.
- Lock front and striker, Rabbeted. A. A. Page. No. 1,092,946; Apr. 14; Gaz. vol. 201; p. 317.
- Lock-gage. G. Leeworth. No. 1,114,894; Oct. 27; Gaz. vol. 207; p. 1005.
- Lock-joint. W. Miller. No. 1,119,097; Dec. 1; Gaz. vol. 209; p. 70.
- Lock-joint for window-stiles. L. H. Peters. No. 1,090,498; Mar. 17; Gaz. vol. 200; p. 719.
- Lock-keeper. F. Schmidgall. No. 1,119,321; Dec. 1; Gaz. vol. 209; p. 144.
- Lock keeper, Door-. T. H. Wiley. No. 1,093,816; Apr. 21; Gaz. vol. 201; p. 652.
- Lock mechanism. G. E. Cleaver. No. 1,122,862; Dec. 29; Gaz. vol. 209; p. 1537.
- Lock mechanism. H. O. Höglund. No. 1,116,277; Nov. 3; Gaz. vol. 208; p. 275.
- Lock mechanism. H. G. Voight. No. 1,093,810; Apr. 21; Gaz. vol. 201; p. 649.
- Lock mechanism. H. G. Voight. No. 1,099,105; June 2; Gaz. vol. 203; p. 249.
- Lock mechanism and key therefor. K. G. Thiman. No. 1,107,376; Aug. 18; Gaz. vol. 205; p. 718.
- Lock mechanism, Cylinder-. H. G. Voight. No. 1,093,811; Apr. 21; Gaz. vol. 201; p. 650.
- Lock-mortises, Tool for boring. J. Montgomery. No. 1,103,069; July 14; Gaz. vol. 204; p. 342.
- Lock nut and bolt. T. J. Juzek. No. 1,119,613; Dec. 1; Gaz. vol. 209; p. 246.
- Lock-strike. J. M. Mather and J. F. Steele. No. 1,099,387; June 9; Gaz. vol. 203; p. 393.
- Lock-switch. E. R. McKinzie. No. 1,101,870; June 30; Gaz. vol. 203; p. 1389.
- Lock-switch, Electric. W. C. Neahr. No. 1,115,092; Oct. 27; Gaz. vol. 207; p. 1076.
- Lock switch, Electric permutation-. G. Stupar. No. 1,098,852; June 2; Gaz. vol. 203; p. 168.
- Lock-washer. J. W. Albin. No. 1,103,337; July 14; Gaz. vol. 204; p. 435.
- Locks, Alarm for protecting permutation-. A. B. Colby. No. 1,102,571; July 7; Gaz. vol. 204; p. 123.
- Locks, Anticreep for wedge. E. P. Kinne. No. 1,108,374; Aug. 25; Gaz. vol. 205; p. 1116.
- Locks, Autograph time-recorder for. J. J. Doyle. No. 1,099,738; June 9; Gaz. vol. 203; p. 512.
- Locks, Dial and dial-rim of combination-. W. T. Benham. No. 1,113,866; Oct. 13; Gaz. vol. 207; p. 551.
- Locks, Manufacture of key-plugs for cylinder-. J. R. Fletcher. No. 1,099,494; June 9; Gaz. vol. 203; p. 429.
- Locks on metallic plates, Machine for forming. C. W. Conner. No. 1,114,662; Oct. 27; Gaz. vol. 207; p. 994.
- Locks, Reversible box-strike for. J. R. Fletcher. No. 1,083,529; Jan. 6; Gaz. vol. 198; p. 90.
- Locks, Strike-plate for. J. H. Ames. No. 1,094,290; Apr. 21; Gaz. vol. 201; p. 808.
- Locker, Metal. J. S. Merritt, C. Black, and S. Morris. No. 1,120,213; Dec. 8; Gaz. vol. 209; p. 490.
- Locker system for gymnasiums. A. J. Thornley. No. 1,087,850; Feb. 17; Gaz. vol. 199; p. 885.
- Locking and tilting device. F. R. Jones and A. Buenzli. No. 1,084,089; Jan. 13; Gaz. vol. 198; p. 306.
- Locking attachment for umbrellas and canes. F. Seeber. No. 1,120,092; Dec. 8; Gaz. vol. 209; p. 446.
- Locking-bar and sheeting for constructional work. R. H. Annisson. No. 1,098,077; May 26; Gaz. vol. 202; p. 1125.
- Locking-clamp for gates and the like. I. L. Landis. No. 1,091,518; Mar. 31; Gaz. vol. 200; p. 1138.
- Locking contrivance. D. T. Bowen. No. 1,123,078; Dec. 29; Gaz. vol. 209; p. 1613.
- Locking device. K. Barth. No. 1,098,213; May 26; Gaz. vol. 202; p. 1171.
- Locking device. T. E. and P. E. Bédard. No. 1,117,157; Nov. 17; Gaz. vol. 208; p. 666.
- Locking device. L. C. Hardsoeg. No. 1,092,908; Apr. 14; Gaz. vol. 201; p. 304.
- Locking device. W. M. Jenkins. No. 1,085,918; Feb. 3; Gaz. vol. 199; p. 120.
- Locking device. J. A. Keyes. No. 1,112,915; Oct. 6; Gaz. vol. 207; p. 175.
- Locking device. F. E. Norcross, E. A. Solomon, and W. H. Rogers. No. 1,098,917; June 2; Gaz. vol. 203; p. 191.
- Locking device. C. L. Seeley. No. 1,106,521; Aug. 11; Gaz. vol. 205; p. 370.
- Locking device. F. J. Venning. No. 1,086,692; Feb. 10; Gaz. vol. 199; p. 434.
- Locking device. L. M. Width. No. 1,102,838; July 7; Gaz. vol. 204; p. 216.
- Locking device, Automatic trip and self-. T. L. Johnson. No. 1,083,494; Jan. 6; Gaz. vol. 198; p. 78.
- Locking device, Safety. C. F. Albrecht. No. 1,117,750; Nov. 17; Gaz. vol. 208; p. 878.
- Locking device, Safety. A. W. Koski and T. Casey. No. 1,118,782; Nov. 24; Gaz. vol. 208; p. 1275.
- Locking handle device for receptacles. C. A. Yates and H. Griswold. No. 1,100,464; June 16; Gaz. vol. 203; p. 800.
- Locking mechanism. J. W. Stephenson. No. 1,122,044; Dec. 22; Gaz. vol. 209; p. 1217.
- Locking mechanism, Coin-controlled. E. W. Allen. No. 1,115,198; Nov. 3; Gaz. vol. 208; p. 250.
- Locking-ring for retaining picking-fingers. B. C. Calderwood. No. 1,093,973; Apr. 21; Gaz. vol. 201; p. 703.
- Locking safety-pin. K. G. Dieterich. No. 1,119,497; Dec. 1; Gaz. vol. 209; p. 206.
- Locking-switch. J. Maibaum. No. 1,120,210; Dec. 8; Gaz. vol. 209; p. 489.
- Locket. M. Kameras and J. Nederland. No. 1,122,941; Dec. 29; Gaz. vol. 209; p. 1564.
- Locket. M. E. Lawrence. No. 1,100,022; June 16; Gaz. vol. 203; p. 647.
- Locomotion of persons suffering from locomotor ataxia. Device for facilitating the. S. L. Pidot. No. 1,096,125; May 12; Gaz. vol. 202; p. 360.
- Locomotive. H. W. Bell. No. 1,084,388; Jan. 13; Gaz. vol. 198; p. 404.
- Locomotive. G. R. Henderson. No. 1,100,563; June 16; Gaz. vol. 203; p. 832.
- Locomotive. C. L. Nilson. No. 1,093,069; Apr. 14; Gaz. vol. 201; p. 359.
- Locomotive. C. J. E. Waxbom. No. 1,085,715; Feb. 3; Gaz. vol. 199; p. 47.
- Locomotive and car wheel replacer. H. K. Kinney. No. 1,104,676; July 21; Gaz. vol. 204; p. 939.
- Locomotive-arch construction. E. P. Stevens. No. 1,090,891; Mar. 24; Gaz. vol. 200; p. 881.
- Locomotive ash-pan. T. P. Madden. No. 1,107,682; Aug. 18; Gaz. vol. 205; p. 827.
- Locomotive ash-pan. F. A. Mayer. No. 1,103,424; July 14; Gaz. vol. 204; p. 463.
- Locomotive ash-pan. A. H. Smith and H. Wanamaker. No. 1,114,196; Oct. 20; Gaz. vol. 207; p. 707.
- Locomotive ash-pan. A. H. Smith and H. Wanamaker. No. 1,114,197; Oct. 20; Gaz. vol. 207; p. 707.
- Locomotive attachment. A. L. Stevens. No. 1,106,422; Aug. 11; Gaz. vol. 205; p. 333.
- Locomotive-boiler. J. M. McClellon. No. 1,084,555; Jan. 13; Gaz. vol. 198; p. 459.
- Locomotive-boiler with smoke-tube superheater. P. Thomsen and E. Doettloff. No. 1,120,764; Dec. 15; Gaz. vol. 209; p. 732.
- Locomotive-brake. H. A. Hoke. No. 1,099,922; June 16; Gaz. vol. 203; p. 613.
- Locomotive cabs and tenders, Appliance for. H. H. Vaughan. No. 1,108,816; Aug. 25; Gaz. vol. 205; p. 1266.
- Locomotive-condenser. J. M. McClellon. No. 1,093,942; Apr. 21; Gaz. vol. 201; p. 693.
- Locomotive-diaphragm and spark-arrester. E. M. Roberts. No. 1,090,754; Mar. 17; Gaz. vol. 200; p. 802.
- Locomotive driving means, Electric. G. Lundholm. No. 1,097,810; May 26; Gaz. vol. 202; p. 1030.
- Locomotive driving-wheels, Machine for truing. J. C. Tyler, J. A. Behrends, and L. Parks. No. 1,085,710; Feb. 3; Gaz. vol. 199; p. 46.
- Locomotive dump ash-pan. T. F. Cain and W. A. Skinner. No. 1,106,544; Aug. 11; Gaz. vol. 205; p. 379.
- Locomotive, Electric. W. Dalton. No. 1,084,317; Jan. 13; Gaz. vol. 198; p. 382.
- Locomotive, Electric. W. Dalton. No. 1,084,318; Jan. 13; Gaz. vol. 198; p. 383.
- Locomotive, Electric. J. L. Davis. (Reissue.) No. 1,177,777; July 21; Gaz. vol. 204; p. 972.
- Locomotive, Electric. G. F. Perin. No. 1,086,396; Feb. 10; Gaz. vol. 199; p. 329.
- Locomotive, Electric. R. Schottelius. No. 1,118,371; Nov. 24; Gaz. vol. 208; p. 1133.
- Locomotive, Electric. C. J. E. Waxbom. No. 1,120,572; Dec. 8; Gaz. vol. 209; p. 617.
- Locomotive-engine. F. J. Cole. No. 1,120,372; Dec. 8; Gaz. vol. 209; p. 546.
- Locomotive-engine. C. L. Heisler. No. 1,111,456; Sept. 22; Gaz. vol. 206; p. 1039.
- Locomotive-engine, Four-cylinder compound. P. Smal. No. 1,098,986; June 2; Gaz. vol. 203; p. 213.
- Locomotive-engines, Steam-pipe for. J. E. Muhlfield and H. R. Stafford. No. 1,117,422; Nov. 17; Gaz. vol. 208; p. 761.
- Locomotive equipment. C. L. Bopp. No. 1,085,011; Jan. 20; Gaz. vol. 198; p. 642.
- Locomotive fire-box. J. Black and J. Frame. No. 1,119,490; Dec. 1; Gaz. vol. 209; p. 204.
- Locomotive fire-box. F. F. Gaines. No. 1,115,801; Nov. 3; Gaz. vol. 208; p. 112.
- Locomotive fire-box. F. F. Gaines. No. 1,115,802; Nov. 3; Gaz. vol. 208; p. 112.
- Locomotive-fire-box construction. L. Parish. No. 1,089,666; Mar. 10; Gaz. vol. 200; p. 389.
- Locomotive-fire-box construction. L. Parish. No. 1,110,815; Sept. 15; Gaz. vol. 206; p. 775.
- Locomotive fire-boxes, Arch for. T. W. Lukens. No. 1,097,246; May 19; Gaz. vol. 202; p. 789.
- Locomotive fire-doors, Pedal device for. F. W. Martin. No. 1,113,161; Oct. 6; Gaz. vol. 207; p. 259.
- Locomotive-frame. W. M. Sheehan. No. 1,114,192; Oct. 20; Gaz. vol. 207; p. 706.
- Locomotive-frame. W. M. Sheehan. No. 1,114,193; Oct. 20; Gaz. vol. 207; p. 706.
- Locomotive-furnace. F. F. Gaines. No. 1,097,125; May 19; Gaz. vol. 202; p. 747.

Alphabetical list of inventions—Continued.

- Locomotive grate-lever and handle. C. W. Gregory. No. 1,091,212; Mar. 24; Gaz. vol. 200; p. 994.
- Locomotive-hoist, Screw-jack. C. A. Hardy. No. 1,085,734; Feb. 3; Gaz. vol. 199; p. 55.
- Locomotive-hoist, Screw-jack. F. A. Rundle. No. 1,107,706; Aug. 18; Gaz. vol. 205; p. 836.
- Locomotive longitudinal shaft. G. H. Jones. No. 1,088,427; Feb. 24; Gaz. vol. 199; p. 1131.
- Locomotive-lubricator. E. McCoy. No. 1,097,134; May 19; Gaz. vol. 202; p. 750.
- Locomotive or the like, Electric. J. H. Ames. No. 1,113,923; Oct. 13; Gaz. vol. 207; p. 570.
- Locomotive-pilot coupling. W. E. Coffin. No. 1,097,535; May 19; Gaz. vol. 202; p. 888.
- Locomotive Rack. S. M. Vauclain. No. 1,114,555; Oct. 20; Gaz. vol. 207; p. 834.
- Locomotive reel, Mine. G. C. Abbe. No. 1,110,995; Sept. 15; Gaz. vol. 206; p. 836.
- Locomotive safety device. J. W. Conover. No. 1,110,899; Sept. 15; Gaz. vol. 206; p. 805.
- Locomotive sand-box. H. Idoine. No. 1,092,268; Apr. 7; Gaz. vol. 201; p. 49.
- Locomotive-sand-box arrangement. C. L. Heisler. No. 1,093,989; Apr. 21; Gaz. vol. 201; p. 710.
- Locomotive side frame. C. E. Lilly. No. 1,083,937; Jan. 13; Gaz. vol. 198; p. 252.
- Locomotive signaling apparatus, Automatic. J. Stanley. No. 1,108,015; Aug. 18; Gaz. vol. 205; p. 942.
- Locomotive, Steam. G. W. Wyman. No. 1,091,178; Mar. 24; Gaz. vol. 200; p. 982.
- Locomotive tender and cab construction. C. T. Westlake. No. 1,120,873; Dec. 15; Gaz. vol. 209; p. 771.
- Locomotive-tender cistern. A. M. McGill. No. 1,098,746; June 2; Gaz. vol. 203; p. 133.
- Locomotive-tender coal-gate. A. E. Bean. No. 1,095,371; May 5; Gaz. vol. 202; p. 68.
- Locomotive-tenders, Coal-passer for. C. L. Heisler. No. 1,088,418; Feb. 24; Gaz. vol. 199; p. 1127.
- Locomotive, Universal carriage. K. Eickemeyer. No. 1,091,125; Mar. 24; Gaz. vol. 200; p. 963.
- Locomotive-ventilator. W. Goelz. No. 1,097,858; May 26; Gaz. vol. 202; p. 1046.
- Locomotive with automatic cable-reel, Electric. W. S. Mayers. No. 1,100,139; June 16; Gaz. vol. 203; p. 688.
- Locomotives and tenders, Connecting-conduit for. J. E. Muhlfeld. No. 1,102,535; July 7; Gaz. vol. 204; p. 109.
- Locomotives, Apparatus for automatically indicating the position of signals on. M. Manthorne and A. I. Hansen. No. 1,104,205; July 21; Gaz. vol. 204; p. 775.
- Locomotives, Automatic safety device for. J. H. Smith. No. 1,109,798; Sept. 8; Gaz. vol. 206; p. 371.
- Locomotives, Automatic safety-stop for. C. Devos. No. 1,088,013; Feb. 24; Gaz. vol. 199; p. 990.
- Locomotives, Blind-shaft bearing for the driving means of electric. G. Lundholm. No. 1,095,007; Apr. 28; Gaz. vol. 201; p. 1120.
- Locomotives, Cable-winding mechanism for. D. T. Fisher. No. 1,113,975; Oct. 20; Gaz. vol. 207; p. 627.
- Locomotives, Connecting-rod for. H. T. Crook. No. 1,092,025; Mar. 31; Gaz. vol. 200; p. 1311.
- Locomotives, Device for coaling and watering. V. Rainer. No. 1,084,481; Jan. 13; Gaz. vol. 198; p. 432.
- Locomotives, Device for setting and locking the reverse mechanism of. J. J. Briggs. No. 1,085,964; Feb. 3; Gaz. vol. 199; p. 137.
- Locomotives, Exhaust-nozzle for. S. A. Ride. No. 1,114,524; Oct. 20; Gaz. vol. 207; p. 824.
- Locomotives, Gravity-sander for front and rear drive wheels for. E. A. Rives and H. B. Nabors. No. 1,116,925; Nov. 10; Gaz. vol. 208; p. 547.
- Locomotives, Joint for articulated. S. M. Vauclain. No. 1,099,076; June 2; Gaz. vol. 203; p. 240.
- Locomotives, Means for connecting superheater-flues to flue-sheets of. P. F. Gallagher. No. 1,122,900; Dec. 29; Gaz. vol. 209; p. 1550.
- Locomotives of the Mallet articulated type, Pivotal connection for. H. T. Krakau. No. 1,090,631; Mar. 17; Gaz. vol. 200; p. 765.
- Locomotives, Rear suspension for. K. Rushton. No. 1,095,929; May 5; Gaz. vol. 202; p. 256.
- Locomotives, Sprinkler device for. J. Chidley. No. 1,091,631; Mar. 31; Gaz. vol. 200; p. 1177.
- Log and stream indicator. W. Cornelis. No. 1,095,141; Apr. 28; Gaz. vol. 201; p. 1164.
- Log-conveying system. O. Torseth. No. 1,118,076; Nov. 24; Gaz. vol. 208; p. 1030.
- Log-dog puller. J. Songne. No. 1,111,105; Sept. 22; Gaz. vol. 206; p. 919.
- Log lifting and hauling machine. H. L. Benton. No. 1,092,088; Mar. 31; Gaz. vol. 200; p. 1333.
- Log-loader, Power. J. A. Weber. No. 1,099,221; June 9; Gaz. vol. 203; p. 335.
- Log-manipulating machine. C. W. Willette. No. 1,108,048; Aug. 18; Gaz. vol. 205; p. 954.
- Log-peeling machine. O. Fidsrather. No. 1,090,463; Mar. 17; Gaz. vol. 200; p. 706.
- Log-peeling machine. Wood. A. N. Andersen. No. 1,106,177; Aug. 4; Gaz. vol. 205; p. 207.
- Log-raising device. R. Harris. No. 1,106,651; Aug. 11; Gaz. vol. 205; p. 417.
- Log-transferring device. F. P. Sykes. No. 1,084,376; Jan. 13; Gaz. vol. 198; p. 400.
- Log-turner. T. A. Coleman. No. 1,121,978; Dec. 22; Gaz. vol. 209; p. 1193.
- Log-turning apparatus. J. A. Weber. No. 1,118,085; Nov. 24; Gaz. vol. 208; p. 1033.
- Logging-block. C. E. Faxon. No. 1,123,184; Dec. 29; Gaz. vol. 209; p. 1652.
- Logging-bunk. C. O. Dale. No. 1,105,827; Aug. 4; Gaz. vol. 205; p. 84.
- Logging-bunk. H. E. Doerr. No. 1,117,171; Nov. 17; Gaz. vol. 208; p. 671.
- Logging-bunk. C. T. Eaid. No. 1,112,690; Oct. 6; Gaz. vol. 207; p. 100.
- Logging-bunk. H. M. McCormack and G. H. Wall. No. 1,098,580; June 2; Gaz. vol. 203; p. 78.
- Logging-bunk. J. W. Purcell and C. W. Pettijohn. No. 1,087,826; Feb. 17; Gaz. vol. 199; p. 878.
- Logging-bunk. J. R. Stinson. No. 1,104,391; July 21; Gaz. vol. 204; p. 839.
- Logging-bunk. H. L. Williams. No. 1,108,416; Aug. 25; Gaz. vol. 205; p. 1128.
- Logging-car. B. Magor. No. 1,103,975; July 21; Gaz. vol. 204; p. 697.
- Logging-car bunk. T. H. MacLafferty. No. 1,087,311; Feb. 17; Gaz. vol. 199; p. 698.
- Logging-car bunk. C. W. Russell. No. 1,115,581; Nov. 3; Gaz. vol. 208; p. 38.
- Logging-engine. C. Evers and J. H. Dickinson. No. 1,103,135; July 14; Gaz. vol. 204; p. 365.
- Looking-glasses, photographs, pictures, &c., Support or easel for. F. Rouchaud. No. 1,114,387; Oct. 20; Gaz. vol. 207; p. 774.
- Loom. B. H. Breckenfeld and M. M. Cain. No. 1,112,763; Oct. 6; Gaz. vol. 207; p. 125.
- Loom. T. Brindle. No. 1,094,424; Apr. 28; Gaz. vol. 201; p. 913.
- Loom. J. C. Brooks. No. 1,096,283; May 12; Gaz. vol. 202; p. 415.
- Loom. A. E. Chernack. No. 1,117,791; Nov. 17; Gaz. vol. 208; p. 892.
- Loom. J. F. Dustin. No. 1,112,366; Sept. 29; Gaz. vol. 206; p. 1391.
- Loom. S. S. Jackson. No. 1,100,886; June 23; Gaz. vol. 203; p. 998.
- Loom. S. L. Odell. No. 1,120,522; Dec. 8; Gaz. vol. 209; p. 599.
- Loom. A. E. Rhoades. No. 1,089,792; Mar. 10; Gaz. vol. 200; p. 430.
- Loom. H. W. Smith. No. 1,107,553; Aug. 18; Gaz. vol. 205; p. 779.
- Loom. H. W. Smith. No. 1,119,372; Dec. 1; Gaz. vol. 209; p. 163.
- Loom. W. H. Underwood. No. 1,109,090; Sept. 1; Gaz. vol. 206; p. 83.
- Loom. C. D. Wahl. No. 1,102,110; June 30; Gaz. vol. 203; p. 1476.
- Loom and like shuttles, Threading of. H. A. Murphy and J. F. Simpson. No. 1,084,894; Jan. 20; Gaz. vol. 198; p. 603.
- Loom attachment. I. Coulombe. No. 1,103,661; July 14; Gaz. vol. 204; p. 549.
- Loom, Automatic replenishing. A. E. Rhoades. No. 1,123,141; Dec. 29; Gaz. vol. 209; p. 1635.
- Loom, Axminster. T. P. Walsh. No. 1,118,083; Nov. 24; Gaz. vol. 208; p. 1033.
- Loom-brake. R. Martel. No. 1,098,278; May 26; Gaz. vol. 202; p. 1194.
- Loom, Circular. V. Royle. No. 1,115,338; Oct. 27; Gaz. vol. 207; p. 1160.
- Loom-dobby. J. Tellier. No. 1,100,161; June 16; Gaz. vol. 203; p. 696.
- Loom filling-detector, Automatic. W. A. Mitchell. No. 1,110,074; Sept. 8; Gaz. vol. 206; p. 472.
- Loom filling-end controller. M. L. Stone. No. 1,115,983; Nov. 3; Gaz. vol. 208; p. 177.
- Loom, Filling-replenishing. O. Bernier. No. 1,107,400; Aug. 18; Gaz. vol. 205; p. 726.
- Loom, Filling-replenishing. E. S. Stimpson. No. 1,123,148; Dec. 29; Gaz. vol. 209; p. 1638.
- Loom filling-slackener. A. E. Rhoades. No. 1,098,685; June 2; Gaz. vol. 203; p. 112.
- Loom for heavy weaving, Automatic positive-shuttle. T. P. Walsh. No. 1,121,696; Dec. 22; Gaz. vol. 209; p. 1093.
- Loom for weaving cane, &c. T. P. Walsh. No. 1,119,332; Dec. 1; Gaz. vol. 209; p. 148.
- Loom for weaving oriental knot-pile fabrics. J. K. Dalkarian. No. 1,090,692; Mar. 17; Gaz. vol. 200; p. 784.
- Loom for weaving oriental rugs. T. P. Walsh. No. 1,117,115; Nov. 10; Gaz. vol. 208; p. 612.
- Loom for weaving tubular fabric. A. E. Chernack. No. 1,088,061; Feb. 24; Gaz. vol. 199; p. 1006.
- Loom for weaving tufted or chenille fabrics or carpets. F. A. Whitmore. No. 1,102,835; July 7; Gaz. vol. 204; p. 215.
- Loom, Haircloth. G. S. Cox. No. 1,091,198; Mar. 24; Gaz. vol. 200; p. 989.
- Loom, Haircloth. G. S. Cox. No. 1,094,882; Apr. 28; Gaz. vol. 201; p. 1075.

Alphabetical list of inventions—Continued.

- Loom-harness. J. Kaufmann. No. 1,090,858; Mar. 24; Gaz. vol. 200; p. 869.
- Loom-harness. J. Kaufmann. No. 1,093,995; Apr. 21; Gaz. vol. 201; p. 712.
- Loom-harness. J. R. Lister. No. 1,117,680; Nov. 17; Gaz. vol. 208; p. 853.
- Loom-harness. P. A. Wagner. No. 1,112,739; Oct. 6; Gaz. vol. 207; p. 116.
- Loom harness-actuating mechanism. J. A. Shayer and G. A. Metcalf. No. 1,088,666; Feb. 24; Gaz. vol. 199; p. 1208.
- Loom harness-heddle. P. A. Wagner. No. 1,112,740; Oct. 6; Gaz. vol. 207; p. 117.
- Loom, Jacquard. G. W. Stokes. No. 1,083,303; Jan. 6; Gaz. vol. 198; p. 15.
- Loom let-off. A. E. Chernack. No. 1,105,587; July 28; Gaz. vol. 204; p. 1306.
- Loom let-off. A. E. Chernack. No. 1,105,588; July 28; Gaz. vol. 204; p. 1307.
- Loom let-off mechanism. H. Bardsley. No. 1,112,668; Oct. 6; Gaz. vol. 207; p. 92.
- Loom let-off mechanism. W. J. Lutton. No. 1,105,335; July 28; Gaz. vol. 204; p. 1218.
- Loom let-off or warp-tension device. W. Lord. No. 1,117,071; Nov. 10; Gaz. vol. 208; p. 597.
- Loom pattern-chain. J. Kay. No. 1,102,669; July 7; Gaz. vol. 204; p. 157.
- Loom pattern mechanism. H. Bardsley. No. 1,112,753; Oct. 6; Gaz. vol. 207; p. 122.
- Loom picker mechanism. D. H. Clark and R. J. Morton. No. 1,087,082; Feb. 10; Gaz. vol. 199; p. 566.
- Loom picker mechanism. J. A. Gagnon. No. 1,099,742; June 9; Gaz. vol. 203; p. 514.
- Loom, Pile-wire. T. P. Walsh. No. 1,088,856; Mar. 3; Gaz. vol. 200; p. 62.
- Loom reed-locking motion. G. E. Mallott, C. Johnson, and J. W. Moorby. No. 1,114,999; Oct. 27; Gaz. vol. 207; p. 1043.
- Loom shedding mechanism. G. Goodline. No. 1,116,814; Nov. 10; Gaz. vol. 208; p. 509.
- Loom shedding mechanisms, Jack connection for. T. Gilson. No. 1,085,565; Jan. 27; Gaz. vol. 198; p. 866.
- Loom-shuttle. F. J. Dutcher. No. 1,098,713; June 2; Gaz. vol. 203; p. 122.
- Loom-shuttle. J. A. Gubelmann. No. 1,099,357; June 9; Gaz. vol. 203; p. 383.
- Loom-shuttle. H. W. Hakes. No. 1,121,724; Dec. 22; Gaz. vol. 209; p. 1103.
- Loom-shuttle. E. S. Stimpson. No. 1,091,867; Mar. 31; Gaz. vol. 200; p. 1261.
- Loom-shuttle. E. S. Stimpson. No. 1,091,868; Mar. 31; Gaz. vol. 200; p. 1261.
- Loom-shuttle. E. S. Stimpson. No. 1,117,719; Nov. 17; Gaz. vol. 208; p. 867.
- Loom-shuttle. W. P. Straw. No. 1,092,959; Apr. 14; Gaz. vol. 201; p. 322.
- Loom-shuttle. W. H. Wilson. No. 1,086,970; Feb. 10; Gaz. vol. 199; p. 530.
- Loom shuttle-adjusting mechanism, Weft-changing. C. G. Lavigne. No. 1,105,146; July 28; Gaz. vol. 204; p. 1149.
- Loom shuttle-binder. N. Lariviere. No. 1,097,761; May 26; Gaz. vol. 202; p. 1013.
- Loom shuttle binder and check. J. G. Cayten. No. 1,120,026; Dec. 8; Gaz. vol. 209; p. 424.
- Loom shuttle-changing mechanism. O. Lotzsch. No. 1,109,297; Sept. 1; Gaz. vol. 206; p. 156.
- Loom shuttle-feeler mechanism. H. A. Davis. No. 1,084,878; Jan. 20; Gaz. vol. 198; p. 598.
- Loom shuttle-feeler mechanism. H. A. Davis. No. 1,091,813; Mar. 31; Gaz. vol. 200; p. 1241.
- Loom shuttle tension. E. S. Stimpson. No. 1,103,097; July 14; Gaz. vol. 204; p. 351.
- Loom shuttle, Weft-replenishing. F. A. Manchester. No. 1,098,744; June 2; Gaz. vol. 203; p. 132.
- Loom stop-motion. L. S. Cannon and J. M. Holladay. No. 1,099,423; June 9; Gaz. vol. 203; p. 406.
- Loom, Swivel. F. F. Roche. No. 1,087,462; Feb. 17; Gaz. vol. 199; p. 753.
- Loom, Swivel. F. F. Roche. No. 1,087,463; Feb. 17; Gaz. vol. 199; p. 753.
- Loom-temple. J. W. Martin and H. J. Myers. No. 1,121,194; Dec. 15; Gaz. vol. 209; p. 884.
- Loom, Velvet or carpet. P. Girard. No. 1,099,354; June 9; Gaz. vol. 203; p. 382.
- Loom, Velvet or carpet. P. Girard. No. 1,116,411; Nov. 10; Gaz. vol. 208; p. 362.
- Loom warp stop-motion. T. A. B. Carver. No. 1,101,403; June 23; Gaz. vol. 203; p. 1176.
- Loom warp stop-motion. D. Osgood. No. 1,116,321; Nov. 3; Gaz. vol. 208; p. 290.
- Loom weft-fork. S. S. Jackson. No. 1,100,660; June 16; Gaz. vol. 203; p. 864.
- Loom, Weft-replenishing. S. S. Jackson. No. 1,100,659; June 16; Gaz. vol. 203; p. 864.
- Loom, Weft-replenishing. H. Wyman. No. 1,089,369; Mar. 3; Gaz. vol. 200; p. 236.
- Loom weft stop-motion. E. Stahl. No. 1,102,610; July 7; Gaz. vol. 204; p. 137.
- Loom with automatic positive shuttle-drive and shuttle-changer for heavy work. T. P. Walsh. No. 1,122,448; Dec. 29; Gaz. vol. 209; p. 1391.
- Looms, Actuating means for heddle-frames of weaving. F. Houget and L. Rahier. No. 1,090,536; Mar. 17; Gaz. vol. 200; p. 732.
- Looms, Automatic weft-bobbin-exchange device for. A. G. Koechlin. No. 1,106,716; Aug. 11; Gaz. vol. 205; p. 439.
- Looms, Break-detector and warp-separator for. W. Oldfield. No. 1,123,137; Dec. 29; Gaz. vol. 209; p. 1634.
- Looms, Drop device or detector for. F. E. Ashton. No. 1,116,003; Nov. 3; Gaz. vol. 208; p. 183.
- Looms, Feeler mechanism for. H. W. Youngquist. No. 1,122,838; Dec. 29; Gaz. vol. 209; p. 1529.
- Looms, Feeler mechanism for weft-replenishing. E. H. Ballou. No. 1,084,124; Jan. 13; Gaz. vol. 198; p. 317.
- Looms, Filling-end-slack-controlling mechanism for. A. E. Rhoades. No. 1,115,572; Nov. 3; Gaz. vol. 203; p. 36.
- Looms, Filling-positioning device for. F. D. Herring. No. 1,123,192; Dec. 29; Gaz. vol. 209; p. 1654.
- Looms, Filling-severing device for. J. W. Holliday. No. 1,092,263; Apr. 7; Gaz. vol. 201; p. 48.
- Looms, Filling-thread-cutting mechanism for weft-replenishing. J. R. Fitton. No. 1,091,205; Mar. 24; Gaz. vol. 200; p. 992.
- Looms for weaving cloth, Crank and tappet shaft of. J. J. Gregson. No. 1,105,648; Aug. 4; Gaz. vol. 205; p. 22.
- Looms for weaving, Reed-relief motion for. T. Shaw. No. 1,098,984; June 2; Gaz. vol. 203; p. 212.
- Looms for weaving, Self-threading shuttle for. D. M. Hollins. No. 1,091,432; Mar. 24; Gaz. vol. 200; p. 1064.
- Looms for weaving, Shuttle for. H. Haydock and D. Parkes. No. 1,100,561; June 16; Gaz. vol. 203; p. 832.
- Looms, Lay and shuttle mechanism for narrow-ware. A. Weimar. No. 1,088,497; Feb. 24; Gaz. vol. 199; p. 1153.
- Looms, Loose reed-motion for. F. Ott. No. 1,107,546; Aug. 18; Gaz. vol. 205; p. 777.
- Looms, Making reeds for. P. A. Wagner. No. 1,112,742; Oct. 6; Gaz. vol. 207; p. 117.
- Looms, Picker-check for. A. E. Rhoades. No. 1,119,764; Dec. 1; Gaz. vol. 209; p. 295.
- Looms, Pile-wire for pile-fabric. W. Wattie. No. 1,109,719; Sept. 8; Gaz. vol. 206; p. 346.
- Looms, Protecting device for the tubes of pile-fabric. A. Clapperton. No. 1,089,822; Mar. 10; Gaz. vol. 200; p. 442.
- Looms, Reed for. P. A. Wagner. No. 1,112,741; Oct. 6; Gaz. vol. 207; p. 117.
- Looms, Repairable gearing for. H. F. Livermore. No. 1,115,557; Nov. 3; Gaz. vol. 208; p. 31.
- Looms, Spool-changing apparatus for. A. G. Koechlin. No. 1,088,824; Mar. 3; Gaz. vol. 200; p. 52.
- Looms, Thin-plate preventer for. W. R. Widdup. No. 1,116,188; Nov. 3; Gaz. vol. 208; p. 246.
- Looms, Thread-cutting mechanism for weft-replenishing. E. Egli. No. 1,104,880; July 28; Gaz. vol. 204; p. 1059.
- Looms, Thread-parting mechanism for filling-replenishing. F. A. Mills. No. 1,119,186; Dec. 1; Gaz. vol. 209; p. 100.
- Looms, Thread-parting mechanism for filling-replenishing. F. A. Mills. No. 1,119,187; Dec. 1; Gaz. vol. 209; p. 100.
- Looms, Thread-severing mechanism for automatic. A. G. Koechlin. No. 1,104,303; July 21; Gaz. vol. 204; p. 808.
- Looms, Warp-regulating mechanism for weaving. R. Farnworth and T. T. Jackson. No. 1,116,400; Nov. 10; Gaz. vol. 208; p. 358.
- Looms, Warp stop-motion for. A. E. Rhoades. No. 1,119,539; Dec. 1; Gaz. vol. 209; p. 221.
- Looms, Weft stop-motion for weft-replenishing. H. Chadwick. No. 1,088,009; Feb. 24; Gaz. vol. 199; p. 989.
- Looms with fixed reeds, Automatic stopping device for power. J. J. Zubler. No. 1,104,951; July 28; Gaz. vol. 204; p. 1084.
- Loop, Adjusting. F. Hirsh. (Reissue.) No. 13,680; Jan. 27; Gaz. vol. 198; p. 874.
- Loop, Safety. E. A. Nelson. No. 1,110,337; Sept. 15; Gaz. vol. 206; p. 606.
- Loop-setter. J. M. Triplett. No. 1,097,483; May 19; Gaz. vol. 202; p. 872.
- Looper-actuating mechanism. A. H. De Voe. No. 1,100,124; June 16; Gaz. vol. 203; p. 683.
- Looper-support. F. S. North. No. 1,110,814; Sept. 15; Gaz. vol. 206; p. 774.
- Loose-leaf holder. J. P. Boehner. No. 1,097,966; May 26; Gaz. vol. 202; p. 1087.
- Loose-leaf holder. L. Bortkewicz. No. 1,120,437; Dec. 8; Gaz. vol. 209; p. 569.
- Lorgnette. G. Willberg. No. 1,118,609; Nov. 24; Gaz. vol. 208; p. 1217.
- Loss-of-head gages. C. A. Humphreys. No. 1,101,502; June 23; Gaz. vol. 203; p. 1212.
- Low-water alarm. H. Neville. No. 1,099,568; June 9; Gaz. vol. 203; p. 455.
- Lubricant-cup, Fluid-pressure-operated. F. Fleming. No. 1,104,178; July 21; Gaz. vol. 204; p. 767.

Alphabetical list of inventions—Continued.

- Lubricant-feed. W. H. Holtby. No. 1,117,847; Nov. 17; Gaz. vol. 208; p. 911.
- Lubricant-grease. F. E. Mariner. No. 1,109,298; Sept. 1; Gaz. vol. 206; p. 156.
- Lubricant-nebulizer. B. F. Howard. No. 1,089,411; Mar. 10; Gaz. vol. 200; p. 298.
- Lubricant-retainer. J. E. Thebaud. No. 1,100,001; June 16; Gaz. vol. 203; p. 640.
- Lubricating apparatus. J. T. Pedersen. No. 1,112,158; Sept. 29; Gaz. vol. 206; p. 1318.
- Lubricating apparatus. W. E. Richardson. No. 1,087,317; Feb. 17; Gaz. vol. 199; p. 700.
- Lubricating apparatus. L. G. M. West. No. 1,086,255; Feb. 3; Gaz. vol. 199; p. 238.
- Lubricating-block. A. M. Williamson. No. 1,100,335; June 16; Gaz. vol. 203; p. 756.
- Lubricating composition. J. L. Jackson and W. Wright. No. 1,097,549; May 19; Gaz. vol. 202; p. 893.
- Lubricating device. E. Armstrong. No. 1,089,031; Mar. 3; Gaz. vol. 200; p. 122.
- Lubricating device. E. Armstrong. No. 1,089,032; Mar. 3; Gaz. vol. 200; p. 123.
- Lubricating device. M. H. Arnold. No. 1,111,124; Sept. 22; Gaz. vol. 206; p. 925.
- Lubricating device. O. D. H. Bentley. No. 1,084,922; Jan. 20; Gaz. vol. 198; p. 613.
- Lubricating device. E. O. Cox. No. 1,109,402; Sept. 1; Gaz. vol. 206; p. 195.
- Lubricating device. W. S. Earley and R. W. Kilpatrick. No. 1,109,742; Sept. 8; Gaz. vol. 206; p. 354.
- Lubricating device. W. F. A. and E. J. Gesell. No. 1,097,422; May 19; Gaz. vol. 202; p. 850.
- Lubricating device. F. Greiner. No. 1,102,263; July 7; Gaz. vol. 204; p. 14.
- Lubricating device. W. H. Jackson. No. 1,096,034; May 12; Gaz. vol. 202; p. 329.
- Lubricating device. J. D. Jarrijou. No. 1,104,901; July 28; Gaz. vol. 204; p. 1067.
- Lubricating device. R. B. Shryock. No. 1,101,474; June 23; Gaz. vol. 203; p. 1201.
- Lubricating device. I. H. Sisson. No. 1,091,866; Mar. 31; Gaz. vol. 200; p. 1261.
- Lubricating device. I. M. Woodmansee. No. 1,116,662; Nov. 10; Gaz. vol. 208; p. 456.
- Lubricating device. Automatic. J. H. Templin. No. 1,120,209; Dec. 8; Gaz. vol. 209; p. 536.
- Lubricating device, Spindle-bearing. F. D. Van Norman. No. 1,099,218; June 9; Gaz. vol. 203; p. 333.
- Lubricating devices or grease-cups, Making. G. W. Bowen. No. 1,099,873; June 9; Gaz. vol. 203; p. 558.
- Lubricating fluid-driven tools, Means for. F. Spitznas. No. 1,091,776; Mar. 31; Gaz. vol. 200; p. 1228.
- Lubricating journal-box. H. O. Smead. No. 1,121,302; Dec. 15; Gaz. vol. 209; p. 919.
- Lubricating mechanism. R. R. Lapointe. No. 1,103,301; July 14; Gaz. vol. 204; p. 422.
- Lubricating mechanism. D. R. Scholes. No. 1,101,211; June 23; Gaz. vol. 203; p. 1112.
- Lubricating pneumatic drills, Apparatus for. V. J. O'Brien and G. A. Oliver. No. 1,114,641; Oct. 20; Gaz. vol. 207; p. 862.
- Lubricating system. E. C. Cooper. No. 1,096,491; May 12; Gaz. vol. 202; p. 485.
- Lubricating system. G. C. Elders. No. 1,121,908; Dec. 22; Gaz. vol. 209; p. 1168.
- Lubricating system. H. F. Maranville. No. 1,083,332; Jan. 6; Gaz. vol. 198; p. 24.
- Lubricating system. H. F. Maranville. No. 1,096,550; May 12; Gaz. vol. 202; p. 504.
- Lubricating system. H. F. Maranville. No. 1,109,002; Sept. 1; Gaz. vol. 206; p. 52.
- Lubricating system. R. C. Mitchell. No. 1,119,102; Dec. 1; Gaz. vol. 209; p. 72.
- Lubricating system, Engine. F. M. Davis. No. 1,113,204; Oct. 13; Gaz. vol. 207; p. 317.
- Lubricating system for combined motor and transmission units. G. W. Dunham. No. 1,112,528; Oct. 6; Gaz. vol. 207; p. 41.
- Lubricating system for milling-machines. J. Goetz, W. K. Buxbaum, and F. A. Parsons. No. 1,120,807; Dec. 15; Gaz. vol. 209; p. 747.
- Lubricating system, Oil-circulatory. P. Daimler. No. 1,098,784; June 2; Gaz. vol. 203; p. 145.
- Lubricating system, Oil-circulatory. P. Daimler and A. Heess. No. 1,090,518; Mar. 17; Gaz. vol. 200; p. 726.
- Lubricating system, Splash. E. B. Cushman. No. 1,099,916; June 16; Gaz. vol. 203; p. 610.
- Lubricating systems, Indicator or detector for. A. A. Nelson. No. 1,114,636; Oct. 20; Gaz. vol. 207; p. 860.
- Lubricating-wheel. F. L. McCarty. No. 1,105,033; July 28; Gaz. vol. 204; p. 1111.
- Lubrication system. E. A. and R. F. Meyer. No. 1,090,162; Mar. 17; Gaz. vol. 200; p. 600.
- Lubrication system. F. Ziegler. No. 1,113,081; Oct. 6; Gaz. vol. 207; p. 230.
- Lubricator. *See* Atomizing-lubricator; Automatic lubricator; Automatic-feed lubricator; Axle-lubricator; Axle-spindle lubricator; Candlestick-lubricator; Car-flange lubricator; Car-wheel lubricator; Constant-level lubricator; Driving-box lubricator; Elevator-guide lubricator; Elevator-guide-rail lubricator; Engine-lubricator; Flange-lubricator; Force-feed lubricator; Locomotive-lubricator; Motor-lubricator; Pneumatic-apparatus lubricator; Pump-lubricator; Rope or cable lubricator; Sight-feed lubricator; Spindle-lubricator; Spindle-skein lubricator; Spring-lubricator; Wheel and rail lubricator; Wheel-flange lubricator.
- Lubricator. J. L. Allen. No. 1,117,542; Nov. 17; Gaz. vol. 208; p. 803.
- Lubricator. E. A. Backus. No. 1,106,273; Aug. 4; Gaz. vol. 205; p. 237.
- Lubricator. J. B. Bartholomew. No. 1,116,784; Nov. 10; Gaz. vol. 208; p. 498.
- Lubricator. E. W. Bassick. No. 1,102,127; June 30; Gaz. vol. 203; p. 1482.
- Lubricator. H. D. Boyer. No. 1,121,579; Dec. 15; Gaz. vol. 209; p. 1016.
- Lubricator. J. J. Costello, Jr. No. 1,110,299; Sept. 8; Gaz. vol. 206; p. 553.
- Lubricator. R. E. Diggins. No. 1,120,699; Dec. 15; Gaz. vol. 209; p. 709.
- Lubricator. M. M. Heisler and A. G. Witte. No. 1,109,125; Sept. 1; Gaz. vol. 206; p. 170.
- Lubricator. B. F. Howard. No. 1,086,052; Feb. 3; Gaz. vol. 199; p. 170.
- Lubricator. S. and J. Johnson. No. 1,111,156; Sept. 22; Gaz. vol. 206; p. 936.
- Lubricator. S. and J. Johnson. No. 1,115,676; Nov. 3; Gaz. vol. 208; p. 72.
- Lubricator. L. Kassander. No. 1,083,906; Jan. 6; Gaz. vol. 198; p. 209.
- Lubricator. D. F. Kilgour. No. 1,089,060; Mar. 3; Gaz. vol. 200; p. 131.
- Lubricator. W. Lawrence. No. 1,099,608; June 9; Gaz. vol. 203; p. 468.
- Lubricator. W. C. Maness. No. 1,120,729; Dec. 15; Gaz. vol. 209; p. 720.
- Lubricator. E. McCoy. No. 1,109,775; Sept. 8; Gaz. vol. 206; p. 365.
- Lubricator. J. Morrow. No. 1,110,706; Sept. 15; Gaz. vol. 206; p. 737.
- Lubricator. T. O. Organ. No. 1,092,164; Apr. 7; Gaz. vol. 201; p. 13.
- Lubricator. E. Reglin. No. 1,107,226; Aug. 11; Gaz. vol. 205; p. 617.
- Lubricator. C. M. Rininger. No. 1,114,288; Oct. 20; Gaz. vol. 207; p. 740.
- Lubricator. G. P. and B. M. Simmons. No. 1,122,036; Dec. 22; Gaz. vol. 209; p. 1214.
- Lubricator. G. F. Steedman. No. 1,121,595; Dec. 15; Gaz. vol. 209; p. 1022.
- Lubricator. I. F. Talbot. No. 1,095,042; Apr. 28; Gaz. vol. 201; p. 1131.
- Lubricator. W. H. Vandenberg. No. 1,106,756; Aug. 11; Gaz. vol. 205; p. 453.
- Lubricator. H. Vissering. No. 1,119,902; Dec. 8; Gaz. vol. 209; p. 380.
- Lubricator. W. E. Winters. No. 1,096,658; May 12; Gaz. vol. 202; p. 541.
- Lubricator-glass shield. F. G. Dunbar. No. 1,104,974; July 28; Gaz. vol. 204; p. 1092.
- Lubricators, Automatic closure device for. F. Bled. No. 1,088,522; Feb. 24; Gaz. vol. 199; p. 1161.
- Lubricators, Wick or feeder for. G. P. and B. M. Simmons. No. 1,122,037; Dec. 22; Gaz. vol. 209; p. 1214.
- Lug-strap holder. P. D. Padgett. No. 1,084,473; Jan. 13; Gaz. vol. 198; p. 430.
- Luggage-carrier. E. A. Howell. No. 1,105,435; July 28; Gaz. vol. 204; p. 1254.
- Lumber-guide. E. Morris. No. 1,104,735; July 21; Gaz. vol. 204; p. 960.
- Lumber-jack. C. E. Evans. No. 1,092,704; Apr. 7; Gaz. vol. 201; p. 200.
- Lumber-stacker. G. H. Rice. No. 1,108,520; Aug. 25; Gaz. vol. 205; p. 1166.
- Lumber, Treating. R. L. Gilliam. No. 1,084,266; Jan. 13; Gaz. vol. 198; p. 365.
- Luminous composition. C. P. Karr. No. 1,097,979; May 26; Gaz. vol. 202; p. 1092.
- Luminous effects, Producing peculiar. S. Saubermann. No. 1,096,644; May 12; Gaz. vol. 202; p. 536.
- Lunch-box. D. T. White. No. 1,115,635; Nov. 3; Gaz. vol. 208; p. 57.
- Lunch-box, Collapsible. H. E. Schrader. No. 1,111,619; Sept. 22; Gaz. vol. 206; p. 1095.
- Lunch-box, Folding. J. F. Lyons. No. 1,101,135; June 23; Gaz. vol. 203; p. 1086.
- Lunch carrier and heater, Combined. A. G. Wormser. No. 1,106,176; Aug. 4; Gaz. vol. 205; p. 206.
- Lyes, Apparatus for neutralizing acid. P. G. Ekström. No. 1,098,562; June 2; Gaz. vol. 203; p. 72.
- Lyes, Neutralizing acid. P. G. Ekström. No. 1,098,561; June 2; Gaz. vol. 203; p. 72.
- Macaroni and similar material, Drying. E. Hunziker. No. 1,096,538; May 12; Gaz. vol. 202; p. 500.

Alphabetical list of inventions—Continued.

- Macaroni-cutter. A. Brussolo. No. 1,120,270; Dec. 8; Gaz. vol. 209; p. 509.
- Machine-bench. F. Hardinge. No. 1,107,609; Aug. 18; Gaz. vol. 205; p. 801.
- Machine element. E. E. Guingrich and C. L. Miller. No. 1,110,050; Sept. 8; Gaz. vol. 206; p. 463.
- Machine-gage. F. H. Clement. No. 1,113,153; Oct. 8; Gaz. vol. 207; p. 256.
- Machine operators, Safety device for. N. B. Keyes. No. 1,093,192; Apr. 14; Gaz. vol. 201; p. 402.
- Machine, Pulling-over. W. C. Stewart. No. 1,118,965; Dec. 1; Gaz. vol. 209; p. 21.
- Machine safety-guard. W. D. Brock. No. 1,106,920; Aug. 11; Gaz. vol. 205; p. 511.
- Machine-tool. G. E. Hallenbeck. No. 1,093,265; Apr. 14; Gaz. vol. 201; p. 427.
- Machine-tool. A. Kolassa. No. 1,087,784; Feb. 17; Gaz. vol. 199; p. 863.
- Machine-tool attachment. H. L. Jeffery and A. E. Schuchert. No. 1,110,389; Sept. 15; Gaz. vol. 206; p. 624.
- Machine tool-beds and the like, Counterpoise adjusting apparatus for. H. R. Durkee. No. 1,121,991; Dec. 22; Gaz. vol. 209; p. 1198.
- Machine-tool-driving mechanism. A. J. Gifford. No. 1,091,569; Mar. 31; Gaz. vol. 200; p. 1155.
- Machine-tools, Diameter-stop for. W. Schellenbach. No. 1,094,601; Apr. 28; Gaz. vol. 201; p. 975.
- Machine-tools, Feed mechanism for. A. L. De Leeuw. No. 1,108,107; Aug. 18; Gaz. vol. 205; p. 975.
- Machine unloader, Centrifugal. E. D. Mackintosh. No. 1,102,530; July 7; Gaz. vol. 204; p. 108.
- Machinery-guard. W. J. Parkinson. No. 1,084,897; Jan. 20; Gaz. vol. 198; p. 604.
- Machinery stop mechanism. D. M. Cooper. No. 1,102,880; July 7; Gaz. vol. 204; p. 229.
- Magazine-handle. W. H. S. Moore. No. 1,105,818; Aug. 4; Gaz. vol. 205; p. 81.
- Magnesian and dolomite, Making sintered. E. Pohl. No. 1,103,375; July 14; Gaz. vol. 204; p. 447.
- Magnesium carbonate from magnesian limestone, Manufacturing. F. S. Young. No. 1,101,772; June 30; Gaz. vol. 203; p. 1354.
- Magnesium-chlorid composition and making same, Dry. L. H. Reuter. No. 1,117,443; Nov. 17; Gaz. vol. 208; p. 768.
- Magnesium chlorid, Production of. J. C. Graves and A. E. Schaefer. No. 1,090,125; Mar. 10; Gaz. vol. 200; p. 546.
- Magnet with two poles, Rotary field. F. Ljungström. No. 1,115,220; Oct. 27; Gaz. vol. 207; p. 1122.
- Magnetic break-switch. G. E. Palmer. No. 1,084,104; Jan. 13; Gaz. vol. 198; p. 310.
- Magnetic fields, Means for influencing the variations of. F. G. Liljenroth. No. 1,100,895; June 23; Gaz. vol. 203; p. 1001.
- Magnetic qualities of a magnetic body, Improving the. R. A. Hadfield. No. 1,122,385; Dec. 29; Gaz. vol. 209; p. 1369.
- Magnetic separator. R. W. Cousins. No. 1,094,125; Apr. 21; Gaz. vol. 201; p. 754.
- Magnetic separator. H. J. H. Nathorst. No. 1,105,293; July 28; Gaz. vol. 204; p. 1202.
- Magnetic separator. G. Ullrich. No. 1,089,993; Mar. 10; Gaz. vol. 200; p. 500.
- Magnetic separator. G. Ullrich. No. 1,114,071; Oct. 20; Gaz. vol. 207; p. 661.
- Magnetizable material, Composite. E. H. Messiter. No. 1,121,859; Dec. 22; Gaz. vol. 209; p. 1152.
- Magneto. W. Casey and I. Lesses. No. 1,098,226; May 26; Gaz. vol. 202; p. 1175.
- Magneto. E. Hähnlen. No. 1,104,795; July 28; Gaz. vol. 204; p. 1029.
- Magneto. E. J. Kane. No. 1,114,003; Oct. 20; Gaz. vol. 207; p. 637.
- Magneto. L. J. and L. E. Sevison. No. 1,088,736; Mar. 3; Gaz. vol. 200; p. 23.
- Magneto and battery ignition system, Combined. T. M. Mueller. No. 1,095,985; May 5; Gaz. vol. 202; p. 275.
- Magneto for ignition and combustion engines, Alternating-current. G. A. Briggs. No. 1,100,651; June 16; Gaz. vol. 203; p. 861.
- Magneto-generator. L. J. Flint. No. 1,115,921; Nov. 3; Gaz. vol. 208; p. 155.
- Magneto-generator. R. G. Kirchner. No. 1,108,872; Aug. 25; Gaz. vol. 205; p. 1288.
- Magneto-generator. J. L. Milton. No. 1,096,048; May 12; Gaz. vol. 202; p. 334.
- Magneto-generator. T. W. Morgan. No. 1,119,105; Dec. 1; Gaz. vol. 209; p. 72.
- Magneto ignition apparatus. J. L. Milton. No. 1,096,853; May 19; Gaz. vol. 202; p. 650.
- Magneto-machine. E. Podlešák. No. 1,098,052; May 26; Gaz. vol. 202; p. 1116.
- Magneto-machine. L. A. Williams. No. 1,117,616; Nov. 17; Gaz. vol. 208; p. 827.
- Magneto-mounting. E. W. Brackett. No. 1,102,385; July 7; Gaz. vol. 204; p. 57.
- Magneto-operating device. E. A. Watts. No. 1,112,580; Oct. 6; Gaz. vol. 207; p. 61.
- Magneto-operating mechanism. L. F. Kristufek. No. 1,120,315; Dec. 8; Gaz. vol. 209; p. 525.
- Magnetos on gas-engines, Attachment for installing. W. G. Swift. No. 1,107,374; Aug. 18; Gaz. vol. 205; p. 717.
- Magnetos, Timing device for ignition-. W. C. Berling. No. 1,115,890; Nov. 3; Gaz. vol. 208; p. 143.
- Magnifying-glass. M. von Rohr. No. 1,092,861; Apr. 14; Gaz. vol. 201; p. 289.
- Mail and the like receptacle. L. T. Steward. No. 1,104,153; July 21; Gaz. vol. 204; p. 757.
- Mail and the like, System of collecting. S. C. Cox. No. 1,094,126; Apr. 21; Gaz. vol. 201; p. 755.
- Mail-bag. H. Ebert. No. 1,085,115; Jan. 27; Gaz. vol. 198; p. 714.
- Mail-bag catcher. J. Birnie, Jr. No. 1,113,299; Oct. 13; Gaz. vol. 207; p. 352.
- Mail-bag catcher. J. Birnie, Jr. No. 1,113,301; Oct. 13; Gaz. vol. 207; p. 352.
- Mail-bag catcher. E. E. Hayworth. No. 1,114,690; Oct. 20; Gaz. vol. 207; p. 870.
- Mail-bag catcher. W. J. Herbst. No. 1,117,380; Nov. 17; Gaz. vol. 208; p. 747.
- Mail-bag catcher and deliverer. A. A. Herther. No. 1,093,624; Apr. 21; Gaz. vol. 201; p. 587.
- Mail-bag catcher and deliverer. H. Jenkins. No. 1,084,579; Jan. 13; Gaz. vol. 198; p. 467.
- Mail-bag catcher and deliverer. G. W. Pomeroy. No. 1,094,095; Apr. 21; Gaz. vol. 201; p. 745.
- Mail-bag catching and delivering apparatus. F. L. Barrois. No. 1,113,595; Oct. 13; Gaz. vol. 207; p. 456.
- Mail-bag catching and delivering apparatus. S. Watson. No. 1,084,984; Jan. 20; Gaz. vol. 198; p. 633.
- Mail-bag catching and delivering mechanism. J. G. Garland. No. 1,115,657; Nov. 3; Gaz. vol. 208; p. 65.
- Mail-bag catching and delivery apparatus. W. Rasmussen. No. 1,123,005; Dec. 29; Gaz. vol. 209; p. 1587.
- Mail-bag closure and locking mechanism. J. G. Strader. No. 1,095,603; May 5; Gaz. vol. 202; p. 147.
- Mail-bag holder. F. E. McMillin. No. 1,117,880; Nov. 17; Gaz. vol. 208; p. 922.
- Mail-bag lock. B. L. Andrus. No. 1,103,015; July 7; Gaz. vol. 204; p. 275.
- Mail-bag receiver. J. M. Allen. No. 1,113,939; Oct. 20; Gaz. vol. 207; p. 615.
- Mail-bag-receiving device. D. W. Millsaps. No. 1,083,629; Jan. 6; Gaz. vol. 198; p. 123.
- Mail-bag-supporting arm. J. Birnie, Jr. No. 1,113,300; Oct. 13; Gaz. vol. 207; p. 352.
- Mail-box. P. Amadeo. No. 1,094,408; Apr. 21; Gaz. vol. 201; p. 848.
- Mail-box. E. Anderson. No. 1,105,869; Aug. 4; Gaz. vol. 205; p. 99.
- Mail-box. L. Balazinski. No. 1,117,624; Nov. 17; Gaz. vol. 208; p. 831.
- Mail-box. L. S. Chadwick. No. 1,122,855; Dec. 29; Gaz. vol. 209; p. 1535.
- Mail-box. A. Christensen. No. 1,094,529; Apr. 28; Gaz. vol. 201; p. 950.
- Mail-box. C. O. Keagy and J. R. Carmer. No. 1,096,724; May 12; Gaz. vol. 202; p. 562.
- Mail-box. J. Petri. No. 1,111,031; Sept. 22; Gaz. vol. 206; p. 893.
- Mail-box. M. Tomaszewski. No. 1,120,865; Dec. 15; Gaz. vol. 209; p. 767.
- Mail-box. J. F. Wilcox. No. 1,112,346; Sept. 29; Gaz. vol. 206; p. 1384.
- Mail-box. N. Williams. No. 1,103,166; July 14; Gaz. vol. 204; p. 377.
- Mail-box and signal, Combined. W. H. Mullins. No. 1,084,893; Jan. 20; Gaz. vol. 198; p. 603.
- Mail-box and time-marker. J. Stasiak. No. 1,109,646; Sept. 1; Gaz. vol. 206; p. 278.
- Mail-box, Combined. H. W. Habenicht. No. 1,106,376; Aug. 11; Gaz. vol. 205; p. 317.
- Mail-box, Combined letter and parcel-post. J. A. Waugh. No. 1,105,730; Aug. 4; Gaz. vol. 205; p. 51.
- Mail-box, Electric. P. O. Gaudreau. No. 1,095,845; May 5; Gaz. vol. 202; p. 229.
- Mail-box lock. S. Squiller. No. 1,103,701; July 14; Gaz. vol. 204; p. 564.
- Mail-box lock. C. F. Utterback. No. 1,114,824; Oct. 27; Gaz. vol. 207; p. 980.
- Mail-box money-holder. E. Clay. No. 1,089,327; Mar. 3; Gaz. vol. 200; p. 222.
- Mail-box, Rural. C. N. Galloway. No. 1,112,129; Sept. 29; Gaz. vol. 206; p. 1307.
- Mail-box, Rural. C. O. Halling. No. 1,122,746; Dec. 29; Gaz. vol. 209; p. 1494.
- Mail-box signal. G. W. Carver. No. 1,102,977; July 7; Gaz. vol. 204; p. 261.
- Mail-box stand and shelter. T. E. Clarke. No. 1,101,905; June 30; Gaz. vol. 203; p. 1402.
- Mail-boxes, Indicating attachment for. C. F. Thomas. No. 1,119,551; Dec. 1; Gaz. vol. 209; p. 225.
- Mail canceling and distributing device. F. Danzer. No. 1,085,407; Jan. 27; Gaz. vol. 198; p. 816.
- Mail-carrier. C. Lobsiger. No. 1,083,407; Jan. 6; Gaz. vol. 198; p. 51.
- Mail-carrying device. J. T. McCollum. No. 1,104,916; July 28; Gaz. vol. 204; p. 1072.
- Mail-carrying device. H. H. Meyer. No. 1,086,928; Feb. 10; Gaz. vol. 199; p. 516.

Alphabetical list of inventions—Continued.

- Mail casing and despatching device. G. J. Joyner. No. 1,097,329; May 19; Gaz. vol. 202; p. 819.
- Mail-catcher. P. C. Filbert. No. 1,120,297; Dec. 8; Gaz. vol. 209; p. 519.
- Mail-catcher. C. C. Lawrence. No. 1,115,842; Nov. 3; Gaz. vol. 208; p. 127.
- Mail-catcher. T. J. Morrisey, Jr. No. 1,113,466; Oct. 13; Gaz. vol. 207; p. 412.
- Mail-catcher. D. M. Newman. No. 1,115,330; Oct. 27; Gaz. vol. 207; p. 1158.
- Mail-catcher. P. H. Overpeck. No. 1,114,025; Oct. 20; Gaz. vol. 207; p. 644.
- Mail catching and delivering means, Railway. J. G. Johnson. No. 1,123,127; Dec. 29; Gaz. vol. 209; p. 1630.
- Mail-chute. A. L. Peacock. No. 1,122,996; Dec. 29; Gaz. vol. 209; p. 1584.
- Mail-chute. A. K. Smith. No. 1,087,194; Feb. 17; Gaz. vol. 199; p. 656.
- Mail-chute. A. K. Smith. No. 1,087,195; Feb. 17; Gaz. vol. 199; p. 657.
- Mail-crane. W. Dillon. No. 1,119,250; Dec. 1; Gaz. vol. 209; p. 121.
- Mail-crane in use by railways, Mechanism of a. F. H. Burr. No. 1,099,162; June 9; Gaz. vol. 203; p. 314.
- Mail-delivering apparatus. F. S. Whitmore. No. 1,121,438; Dec. 15; Gaz. vol. 209; p. 967.
- Mail delivery and receiving apparatus. J. B. Carter. No. 1,105,181; July 28; Gaz. vol. 204; p. 1161.
- Mail-delivery apparatus. W. E. Fisher. No. 1,090,977; Mar. 24; Gaz. vol. 200; p. 911.
- Mail-delivery apparatus. O. H. Voldsness. No. 1,086,798; Feb. 10; Gaz. vol. 199; p. 472.
- Mail-delivery apparatus, Rural. C. C. Levasseur and D. M. Morris. No. 1,113,451; Oct. 13; Gaz. vol. 207; p. 406.
- Mail-delivery system. K. J. Ekedahl. No. 1,120,293; Dec. 8; Gaz. vol. 209; p. 517.
- Mail-distributing basket. F. Bailey. No. 1,098,702; June 2; Gaz. vol. 203; p. 119.
- Mail-exchange system. A. Hupp. (Reissue.) No. 13,716; Apr. 21; Gaz. vol. 201; p. 850.
- Mail-holding device. F. C. Giesler. No. 1,104,883; July 28; Gaz. vol. 204; p. 1060.
- Mail-holding device. H. F. Mueller. No. 1,097,184; May 19; Gaz. vol. 202; p. 767.
- Mail-marker. O. H. Smith. No. 1,107,630; Aug. 18; Gaz. vol. 205; p. 808.
- Mail-marking machine. G. H. Barbour. No. 1,083,581; Jan. 6; Gaz. vol. 198; p. 106.
- Mail-marking machine. F. C. Ielfield. No. 1,087,121; Feb. 17; Gaz. vol. 199; p. 631.
- Mail-marking machine. F. C. Ielfield. No. 1,095,983; May 5; Gaz. vol. 202; p. 274.
- Mail-marking machine. T. G. Stoddard. No. 1,088,110; Feb. 24; Gaz. vol. 199; p. 1024.
- Mail-matter for posting, Machine for preparing. J. W. Poler. No. 1,090,499; Mar. 17; Gaz. vol. 200; p. 719.
- Mail-matter-stacking device. E. P. F. Thompson. No. 1,094,271; Apr. 21; Gaz. vol. 201; p. 803.
- Mail-opening machine. C. J. Bryant. No. 1,109,958; Sept. 8; Gaz. vol. 206; p. 431.
- Mail or parcel carrier, Overhead. J. F. Moutine. No. 1,122,785; Dec. 29; Gaz. vol. 209; p. 1509.
- Mail-pouch. E. Riles. No. 1,114,913; Oct. 27; Gaz. vol. 207; p. 1012.
- Mail-pouch. R. S. Twiss. No. 1,092,962; Apr. 14; Gaz. vol. 201; p. 322.
- Mail-pouch. R. S. Twiss. (Reissue.) No. 13,801; Sept. 15; Gaz. vol. 206; p. 845.
- Mail-pouch lifting and dumping device. C. B. Stewart. No. 1,094,491; Apr. 28; Gaz. vol. 201; p. 938.
- Mail-pouch rack. V. Willoughby. No. 1,097,958; May 26; Gaz. vol. 202; p. 1084.
- Mail receiving and delivering apparatus. P. A. Blomberg. No. 1,093,908; Apr. 21; Gaz. vol. 201; p. 683.
- Mail receiving and delivering device. R. Glenn. No. 1,083,825; Jan. 6; Gaz. vol. 198; p. 185.
- Mail-receiving receptacle. J. W. Cutler. No. 1,083,459; Jan. 6; Gaz. vol. 198; p. 67.
- Mail-receptacle. F. M. and R. F. Weimer. No. 1,109,491; Sept. 1; Gaz. vol. 206; p. 223.
- Mail routing and carrying device. A. Downey. No. 1,096,356; May 12; Gaz. vol. 202; p. 440.
- Mail sorting and stacking machine. F. G. Jahn. No. 1,100,570; June 16; Gaz. vol. 203; p. 835.
- Mail-sorting case. W. W. Lotspeich. No. 1,088,785; Mar. 3; Gaz. vol. 200; p. 38.
- Mailing-board and the like, Drier for use in manufacturing corrugated. J. F. Crane. No. 1,086,898; Feb. 10; Gaz. vol. 199; p. 506.
- Mailing-card and goods-container, Combined. G. H. Blanchard. No. 1,123,073; Dec. 29; Gaz. vol. 209; p. 1611.
- Mailing case, Egg. R. O. Hammond. No. 1,102,191; June 30; Gaz. vol. 203; p. 1504.
- Mailing-folder. G. M. Rand. No. 1,106,058; Aug. 4; Gaz. vol. 205; p. 165.
- Mailing-machine. C. D. Shrady. No. 1,115,600; Nov. 3; Gaz. vol. 208; p. 45.
- Mailing-machine. J. Tomlinson. No. 1,105,314; July 28; Gaz. vol. 204; p. 1210.
- Mailing-machine attachment. H. W. Biltz. No. 1,110,666; Sept. 15; Gaz. vol. 206; p. 724.
- Mailing-machine, Automatic. B. S. Molyneux. No. 1,086,391; Feb. 10; Gaz. vol. 199; p. 327.
- Mailing-package. R. Harvey. No. 1,093,850; Apr. 21; Gaz. vol. 201; p. 664.
- Mailing-wrapper. H. L. Greve. No. 1,092,209; Apr. 7; Gaz. vol. 201; p. 29.
- Mailing-wrapper. H. L. Greve. No. 1,092,210; Apr. 7; Gaz. vol. 201; p. 30.
- Main-rod brass. F. A. Elchorn. No. 1,118,749; Nov. 24; Gaz. vol. 208; p. 1265.
- Main-rod connection. R. M. Musgrove and F. R. Howard. No. 1,120,519; Dec. 8; Gaz. vol. 209; p. 597.
- Make-and-break device. P. J. Devault. No. 1,086,999; Feb. 10; Gaz. vol. 199; p. 539.
- Making-ready process. A. V. Paul. No. 1,111,611; Sept. 22; Gaz. vol. 206; p. 1093.
- Malt-extract preparation and making the same, Non-hygroscopic. F. Elger. No. 1,100,176; June 16; Gaz. vol. 203; p. 701.
- Malt extracts, Removing the bitter taste from. R. Weyermann. No. 1,105,119; July 28; Gaz. vol. 204; p. 1141.
- Malt, Manufacturing. J. von der Kammer. No. 1,084,943; Jan. 20; Gaz. vol. 198; p. 620.
- Malt-producing apparatus. R. E. Chichester. No. 1,117,323; Nov. 17; Gaz. vol. 208; p. 727.
- Malting-drums, Apparatus for producing and controlling moistened air in. L. Topf. No. 1,104,717; July 21; Gaz. vol. 204; p. 954.
- Maltose, Producing. C. B. Duryea. No. 1,110,756; Sept. 15; Gaz. vol. 206; p. 754.
- Mandrel, Collapsible. C. Mehlum. No. 1,093,284; Apr. 14; Gaz. vol. 201; p. 434.
- Mandrel for sound-records. F. L. Capps. No. 1,119,064; Dec. 1; Gaz. vol. 209; p. 59.
- Manger. H. L. Ferris. No. 1,095,148; Apr. 28; Gaz. vol. 201; p. 1167.
- Manger. H. L. and H. J. Ferris. No. 1,121,176; Dec. 15; Gaz. vol. 209; p. 878.
- Mangle. W. Bartholomew. No. 1,094,632; Apr. 28; Gaz. vol. 201; p. 988.
- Mangles, Automatic pressure-roll control for. W. Bartholomew and F. Balzer. No. 1,085,524; Jan. 27; Gaz. vol. 198; p. 853.
- Manhole-cover. J. McKeon. No. 1,102,422; July 7; Gaz. vol. 204; p. 71.
- Manhole-step, Detachable. A. M. Pitts. No. 1,093,204; Apr. 14; Gaz. vol. 201; p. 406.
- Manholes in catch-basins, Fastening for the lids to the. J. Armstrong and A. F. Smith. No. 1,097,786; May 26; Gaz. vol. 202; p. 1022.
- Manicure-stick. H. C. Gibson. No. 1,112,207; Sept. 29; Gaz. vol. 206; p. 1336.
- Manicuring device. H. La Casse. No. 1,085,569; Jan. 27; Gaz. vol. 198; p. 867.
- Manicuring device. C. F. Rossetter. No. 1,115,337; Oct. 27; Gaz. vol. 207; p. 1160.
- Manifold-heater. F. A. Vallbrecht. No. 1,089,884; Mar. 10; Gaz. vol. 200; p. 462.
- Manifolding apparatus. A. Krauth. No. 1,099,182; June 9; Gaz. vol. 203; p. 321.
- Manifolding device. W. J. Gray, Jr. No. 1,090,912; Mar. 24; Gaz. vol. 200; p. 889.
- Manifolding device. A. Malm. No. 1,110,328; Sept. 15; Gaz. vol. 206; p. 603.
- Manifolding device. A. R. Sampson. No. 1,088,733; Mar. 3; Gaz. vol. 200; p. 22.
- Manometer. F. Haas. No. 1,107,298; Aug. 18; Gaz. vol. 205; p. 689.
- Manometer, Indicating, Integrating, and recording. F. N. Connet. No. 1,083,991; Jan. 13; Gaz. vol. 198; p. 272.
- Manometer, Self-recording. H. D. Yates. No. 1,099,416; June 9; Gaz. vol. 203; p. 403.
- Mantel. W. C. Fischer. No. 1,102,897; July 7; Gaz. vol. 204; p. 234.
- Mantle-cutting machine. O. Kaufman. No. 1,086,671; Feb. 10; Gaz. vol. 199; p. 426.
- Mantles, Guard for inverted incandescent. H. Rosenthal. No. 1,117,521; Nov. 17; Gaz. vol. 208; p. 796.
- Mantles, Rectangular container for incandescent. W. T. Wilson. No. 1,117,538; Nov. 17; Gaz. vol. 208; p. 801.
- Manual start and stop motion. C. S. Batdorf. No. 1,107,878; Aug. 18; Gaz. vol. 205; p. 895.
- Manure-catcher. C. H. Ferguson. No. 1,099,030; June 2; Gaz. vol. 203; p. 226.
- Manure-distributor. C. M. Parks. No. 1,085,936; Feb. 3; Gaz. vol. 199; p. 127.
- Manure-distributor. H. Synck. No. 1,099,135; June 2; Gaz. vol. 203; p. 260.
- Manure-distributors, Straw-spreading attachment for. K. W. Bayer. No. 1,109,896; Sept. 8; Gaz. vol. 206; p. 408.
- Manure from tanned-leather shavings or cuttings, Making. A. Moise. No. 1,92,074; Mar. 31; Gaz. vol. 200; p. 1327.
- Manure-loader. M. E. J. P., and J. V. Foley and J. J. Buchan. No. 1,083,878; Jan. 6; Gaz. vol. 198; p. 201.
- Manure-loader. F. A. Jahn. No. 1,098,502; June 2; Gaz. vol. 203; p. 50.

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- Manure-spreader. T. Brown. No. 1,112,256; Sept. 29; Gaz. vol. 206; p. 1353.
- Manure-spreader. J. D. Curtis. No. 1,087,926; Feb. 24; Gaz. vol. 199; p. 957.
- Manure-spreader. J. D. Curtis. No. 1,099,845; June 9; Gaz. vol. 203; p. 547.
- Manure-spreader. A. L. Dudley and J. J. Schmidt. No. 1,108,150; Aug. 25; Gaz. vol. 205; p. 1037.
- Manure-spreader. A. C. Lindgren and G. G. Mandt. No. 1,107,329; Aug. 18; Gaz. vol. 205; p. 700.
- Manure-spreader. A. C. Lindgren and W. J. Cook. No. 1,117,870; Nov. 17; Gaz. vol. 208; p. 919.
- Manure-spreader. J. A. Olson. No. 1,088,613; Feb. 24; Gaz. vol. 199; p. 1190.
- Manure-spreader. C. Shabley. No. 1,088,842; Mar. 3; Gaz. vol. 200; p. 58.
- Manure-spreader. J. O. Thompson. No. 1,101,358; June 23; Gaz. vol. 203; p. 1161.
- Manure-spreader. M. J. Vingum. No. 1,102,462; July 7; Gaz. vol. 204; p. 85.
- Manure-spreaders, Conveyer-speed-varying mechanism for. J. F. Neeren. No. 1,088,225; Feb. 24; Gaz. vol. 199; p. 1063.
- Manure-spreaders, Wind-shield for. V. A. Ellits. No. 1,101,530; June 30; Gaz. vol. 203; p. 1271.
- Manure-stuff and making same. Non-hygroscopic. H. Stoltzenberg. No. 1,104,326; July 21; Gaz. vol. 204; p. 817.
- Manuscript-cover. M. H. Gehlhar. No. 1,084,423; Jan. 13; Gaz. vol. 198; p. 415.
- Map. E. S. Batterson. No. 1,089,741; Mar. 10; Gaz. vol. 200; p. 413.
- Map. M. Ewing. No. 1,108,159; Aug. 25; Gaz. vol. 205; p. 1040.
- Map-holder. F. H. Swanson. No. 1,092,607; Apr. 7; Gaz. vol. 201; p. 167.
- Maps, Device for locating places on. O. E. Cowles. No. 1,110,901; Sept. 15; Gaz. vol. 206; p. 806.
- Marble. Manufacture of artificial. O. E. Heuschkel. No. 1,094,366; Apr. 21; Gaz. vol. 201; p. 832.
- Marble. Manufacture of artificial. F. Schlattner. No. 1,120,632; Dec. 8; Gaz. vol. 209; p. 639.
- Marble. Manufacturing artificial. N. K. Andersen. No. 1,105,950; Aug. 4; Gaz. vol. 205; p. 127.
- Marble-shooter. J. E. Franzen. No. 1,112,780; Oct. 6; Gaz. vol. 207; p. 129.
- Marble-shooter. N. G. Nelson. No. 1,106,830; Aug. 11; Gaz. vol. 205; p. 479.
- Marble slabs, Device for handling. C. H. Griffin. No. 1,103,409; July 14; Gaz. vol. 204; p. 458.
- Marine aiming-drill. Apparatus for. F. Bohn. No. 1,092,425; Apr. 7; Gaz. vol. 201; p. 104.
- Marine safety device. M. Bouchet. No. 1,086,989; Feb. 10; Gaz. vol. 199; p. 536.
- Marine safety device. W. Stafford. No. 1,096,798; May 12; Gaz. vol. 202; p. 588.
- Marker. J. P. Bever. No. 1,115,381; Oct. 27; Gaz. vol. 207; p. 1175.
- Marker. U. D. Kenworthy. No. 1,088,591; Feb. 24; Gaz. vol. 199; p. 1183.
- Marker. Adjustable. E. Cardell. No. 1,111,212; Sept. 22; Gaz. vol. 206; p. 956.
- Marker and register. Combined. G. H. Grayson. No. 1,083,533; Jan. 6; Gaz. vol. 198; p. 91.
- Marker. Land-. R. V. Barry. No. 1,086,983; Feb. 10; Gaz. vol. 199; p. 534.
- Marker. Land-. E. S. Copeland. No. 1,104,630; July 21; Gaz. vol. 204; p. 923.
- Marker. Land-. A. Dahlberg. No. 1,088,405; Feb. 24; Gaz. vol. 199; p. 1123.
- Marker. Land-. A. J. Felsman. No. 1,111,221; Sept. 22; Gaz. vol. 206; p. 960.
- Marker. Land-. V. E. Franklin. No. 1,092,346; Apr. 7; Gaz. vol. 201; p. 77.
- Marker. Land-. W. H. and F. G. Simmons. No. 1,113,378; Oct. 13; Gaz. vol. 207; p. 381.
- Marker or clip. C. S. Carter. No. 1,103,031; July 14; Gaz. vol. 204; p. 328.
- Marking device. Carpenter's. J. E. Ahlvin. No. 1,101,516; June 30; Gaz. vol. 203; p. 1267.
- Marking-gage. J. Bruk. No. 1,103,172; July 14; Gaz. vol. 204; p. 379.
- Marlinespike. G. H. and W. H. Klingler. No. 1,121,927; Dec. 22; Gaz. vol. 209; p. 1174.
- Mask. J. Nesvadba. No. 1,101,756; June 30; Gaz. vol. 203; p. 1348.
- Mask. C. Scheer. No. 1,096,761; May 12; Gaz. vol. 202; p. 575.
- Massage apparatus. D. B. Catlin. No. 1,110,891; Sept. 15; Gaz. vol. 206; p. 803.
- Massage apparatus. F. C. Dunn. No. 1,091,310; Mar. 24; Gaz. vol. 200; p. 1026.
- Massage apparatus. H. E. Marcy. No. 1,094,450; Apr. 28; Gaz. vol. 201; p. 923.
- Massage apparatus. Vibratory. J. Sabatino. No. 1,106,893; Aug. 11; Gaz. vol. 205; p. 501.
- Massage appliance. C. H. Archibald. No. 1,111,427; Sept. 22; Gaz. vol. 206; p. 1029.
- Massage device. A. F. Luzzi. No. 1,083,843; Jan. 6; Gaz. vol. 198; p. 191.
- Massage device, Cream-. J. C. Mars. No. 1,117,207; Nov. 17; Gaz. vol. 208; p. 685.
- Massage device, Cream-. J. C. Mars. No. 1,117,208; Nov. 17; Gaz. vol. 208; p. 685.
- Massage device, Hand. H. B. Bradshaw. No. 1,106,276; Aug. 4; Gaz. vol. 205; p. 238.
- Massage device, Water-. I. Lauter. No. 1,101,804; June 30; Gaz. vol. 203; p. 1367.
- Massage implement. W. Soukup. No. 1,098,337; May 26; Gaz. vol. 202; p. 1215.
- Massage implement, Vibrator. N. E. Wilmes. No. 1,113,079; Oct. 6; Gaz. vol. 207; p. 230.
- Massage instrument, Electric. J. E. Gibbs. No. 1,103,669; July 14; Gaz. vol. 204; p. 553.
- Massage vibrator. F. C. Dormont. No. 1,102,885; July 7; Gaz. vol. 204; p. 231.
- Massage vibrator. W. F. Lay. No. 1,094,663; Apr. 28; Gaz. vol. 201; p. 1000.
- Massage vibrator. W. N. Motter. No. 1,091,585; Mar. 31; Gaz. vol. 200; p. 1161.
- Massage vibrator. G. S. Tune. No. 1,084,178; Jan. 13; Gaz. vol. 198; p. 335.
- Massaging device. F. Hassler. No. 1,121,831; Dec. 22; Gaz. vol. 209; p. 1141.
- Massaging device, Vacuum. T. H. Ellis. No. 1,122,886; Dec. 29; Gaz. vol. 209; p. 1545.
- Massaging implement. A. Sleeth. No. 1,120,339; Dec. 8; Gaz. vol. 209; p. 534.
- Mast and sail connecting device. A. W. Nilsson. No. 1,095,467; May 5; Gaz. vol. 202; p. 101.
- Masts and the like, Base for. E. Entenmann. No. 1,095,197; May 5; Gaz. vol. 202; p. 8.
- Master-sheets. Machine for making. P. J. Meahl. No. 1,118,302; Nov. 24; Gaz. vol. 208; p. 1107.
- Master-wheel. J. E. Wood. No. 1,108,538; Aug. 25; Gaz. vol. 205; p. 1173.
- Mat. See Bar-mat; Bath-mat; Door-mat; Flexible mat; Picture-mat; Scraper-mat.
- Mat. F. G. and T. C. McPherson. No. 1,090,161; Mar. 17; Gaz. vol. 200; p. 599.
- Mat. C. J. Peterson. No. 1,090,791; Mar. 17; Gaz. vol. 200; p. 815.
- Mat or pad. C. I. E. Mastin. No. 1,092,928; Apr. 14; Gaz. vol. 201; p. 311.
- Matting fabric. N. Terashima. No. 1,096,404; May 12; Gaz. vol. 202; p. 455.
- Match-box. E. B. Crockett. No. 1,115,175; Oct. 27; Gaz. vol. 207; p. 1105.
- Match-box. B. vom Eigen. No. 1,108,429; Aug. 25; Gaz. vol. 205; p. 1133.
- Match-box. O. Falkenwalde. No. 1,109,409; Sept. 1; Gaz. vol. 206; p. 197.
- Match-box. W. S. Flinder. No. 1,113,425; Oct. 13; Gaz. vol. 207; p. 398.
- Match-box. J. M. Garlington. No. 1,110,321; Sept. 15; Gaz. vol. 206; p. 600.
- Match-box. H. W. Gaskill. No. 1,098,245; May 26; Gaz. vol. 202; p. 1181.
- Match-box. O. Gravermoen. No. 1,097,014; May 19; Gaz. vol. 202; p. 706.
- Match-box. L. M. and J. P. Jennings. No. 1,110,693; Sept. 15; Gaz. vol. 206; p. 732.
- Match-box. A. M. Knudsen. No. 1,086,720; Feb. 10; Gaz. vol. 199; p. 443.
- Match-box. F. E. Rozek. No. 1,121,205; Dec. 15; Gaz. vol. 209; p. 888.
- Match-box. S. Stiglich and J. W. Schneller. No. 1,108,018; Aug. 18; Gaz. vol. 205; p. 943.
- Match-box. C. Wick. No. 1,094,283; Apr. 21; Gaz. vol. 201; p. 807.
- Match-box holder. C. V. Bates. No. 1,119,221; Dec. 1; Gaz. vol. 209; p. 112.
- Match-box holder. W. J. Leary. No. 1,090,995; Mar. 24; Gaz. vol. 200; p. 918.
- Match-box wind-shield. F. C. Lambert. No. 1,094,225; Apr. 21; Gaz. vol. 201; p. 789.
- Match-boxing machine. M. Paridon and J. H. Weaver. No. 1,086,210; Feb. 3; Gaz. vol. 199; p. 222.
- Match-boxing machine. M. Paridon and J. H. Weaver. No. 1,086,332; Feb. 3; Gaz. vol. 199; p. 261.
- Match-case. H. G. Lundquist. No. 1,084,456; Jan. 13; Gaz. vol. 198; p. 425.
- Match-container. H. J. Downey. No. 1,105,893; Aug. 4; Gaz. vol. 205; p. 107.
- Match-discharging apparatus. H. A. Gsell. No. 1,102,498; July 7; Gaz. vol. 204; p. 96.
- Match-holder. J. F. O'Malley. No. 1,114,509; Oct. 20; Gaz. vol. 207; p. 819.
- Match-holder and gas-turner. J. W. Boughton. No. 1,088,005; Feb. 24; Gaz. vol. 199; p. 987.
- Match-holder and tobacco-box. Combined. C. C. Hummel and J. E. Deeter. No. 1,100,881; June 23; Gaz. vol. 203; p. 996.
- Match-holder for caps. P. R. Burns. No. 1,085,847; Feb. 3; Gaz. vol. 199; p. 95.
- Match-igniting device. J. E. Neahr. No. 1,104,699; July 21; Gaz. vol. 204; p. 946.
- Match-igniting device. J. E. Neahr. No. 1,122,791; Dec. 29; Gaz. vol. 209; p. 1511.
- Match-ignition composition. H. W. Charlton. No. 1,089,902; Mar. 10; Gaz. vol. 200; p. 469.

Alphabetical list of inventions—Continued.

- Match-lighter. R. P. Hart and T. W. Kirkman. No. 1,105,139; July 28; Gaz. vol. 204; p. 1147.
- Match-lighter, Mechanical. E. D. Fitzpatrick. No. 1,089,199; Mar. 3; Gaz. vol. 200; p. 182.
- Match-making machine. H. A. Gsell. No. 1,107,060; Aug. 11; Gaz. vol. 205; p. 557.
- Match-making machine. F. Schafer. No. 1,090,569; Mar. 17; Gaz. vol. 200; p. 743.
- Match-making machines, Dipping apparatus for. V. Czerweny. No. 1,091,915; Mar. 31; Gaz. vol. 200; p. 1277.
- Match-packing machine. J. C. Donnelly. No. 1,122,579; Dec. 29; Gaz. vol. 209; p. 1436.
- Match-packing machine. J. C. Donnelly. No. 1,122,580; Dec. 29; Gaz. vol. 209; p. 1436.
- Match-packing machine. J. P. Wright. No. 1,111,780; Sept. 29; Gaz. vol. 206; p. 1189.
- Match-receptacle. A. H. and E. J. Loring. No. 1,119,970; Dec. 8; Gaz. vol. 209; p. 403.
- Match receptacle, Burnt-. S. Schwarzkopf. No. 1,104,450; July 21; Gaz. vol. 204; p. 860.
- Match-safe. R. L. Clark. No. 1,086,277; Feb. 3; Gaz. vol. 199; p. 244.
- Match-safe. J. A. Francis. No. 1,086,285; Feb. 3; Gaz. vol. 199; p. 246.
- Match-safe. A. J. Homburg. No. 1,106,218; Aug. 4; Gaz. vol. 205; p. 220.
- Match-safe. J. S. Luedtke. No. 1,114,159; Oct. 20; Gaz. vol. 207; p. 692.
- Match-safe. H. L. Wilson. No. 1,100,043; June 16; Gaz. vol. 203; p. 654.
- Match-safe, Pocket. J. Mast. No. 1,091,070; Mar. 24; Gaz. vol. 200; p. 944.
- Match-scratcher. A. H. Loring. No. 1,122,961; Dec. 29; Gaz. vol. 209; p. 1571.
- Match-scratcher, Pocket. J. M. Cox. No. 1,088,325; Feb. 24; Gaz. vol. 199; p. 1096.
- Match-splint carrier. F. Schafer. No. 1,089,795; Mar. 10; Gaz. vol. 200; p. 431.
- Match-splint-conveying machine. B. G. Vaughan. No. 1,093,366; Apr. 14; Gaz. vol. 201; p. 461.
- Match-splint machine. W. F. Hutchinson. No. 1,101,285; June 23; Gaz. vol. 203; p. 1136.
- Match-splints, Treating. W. G. Wey. No. 1,098,700; June 2; Gaz. vol. 203; p. 118.
- Match-stand and burnt-match holder, Sheet-metal. C. W. Shonk. No. 1,087,147; Feb. 17; Gaz. vol. 199; p. 640.
- Match-striker. C. Hill. No. 1,106,216; Aug. 4; Gaz. vol. 205; p. 219.
- Match-testing machine. F. V. Crusier and W. Green. No. 1,122,576; Dec. 29; Gaz. vol. 209; p. 1435.
- Matches in boxes, Apparatus for measuring off matches for machines for packing. H. A. Gsell. No. 1,096,299; May 12; Gaz. vol. 202; p. 420.
- Matches in boxes, Apparatus for measuring off matches for machines for packing. H. A. Gsell. No. 1,107,059; Aug. 11; Gaz. vol. 205; p. 556.
- Matches, Making a composition for use in. H. Staler. No. 1,092,408; Apr. 7; Gaz. vol. 201; p. 98.
- Matches, Manufacture of. F. Mange and M. J. T. Bals. No. 1,102,158; June 30; Gaz. vol. 203; p. 1491.
- Matcher-head. L. C. Kendall. No. 1,099,880; June 9; Gaz. vol. 203; p. 561.
- Material-moving apparatus. H. B. Sauerman. No. 1,118,585; Nov. 24; Gaz. vol. 208; p. 1210.
- Matrices, Making. J. E. Hanrahan. No. 1,092,709; Apr. 7; Gaz. vol. 201; p. 201.
- Matrix. C. L. Friel. No. 1,114,128; Oct. 20; Gaz. vol. 207; p. 682.
- Matrix. C. Lucke. No. 1,090,787; Mar. 17; Gaz. vol. 200; p. 814.
- Matrix-composing machine. C. Muehleisen. No. 1,109,696; Sept. 8; Gaz. vol. 206; p. 338.
- Matrix-coneholing machine. J. S. Bancroft and M. C. Indahl. No. 1,094,622; Apr. 28; Gaz. vol. 201; p. 983.
- Matrix-drying apparatus. H. A. W. Wood. No. 1,121,265; Dec. 15; Gaz. vol. 209; p. 908.
- Matrix-lines, Space-bar for justifying. D. Petri-Palmedo. No. 1,112,652; Oct. 6; Gaz. vol. 207; p. 86.
- Matrix-magazine. D. Petri-Palmedo. No. 1,112,653; Oct. 6; Gaz. vol. 207; p. 87.
- Matrix-making machine. W. A. Heidel. No. 1,098,947; June 2; Gaz. vol. 203; p. 200.
- Matrix-making machine. G. Novi. No. 1,100,145; June 16; Gaz. vol. 203; p. 690.
- Matrix-mold. J. H. Mullaly. No. 1,098,289; May 26; Gaz. vol. 202; p. 1198.
- Matrix-punching mechanism. F. F. Wilson. No. 1,119,559; Dec. 1; Gaz. vol. 209; p. 228.
- Matrix-scorcher. B. Wood. No. 1,117,124; Nov. 10; Gaz. vol. 208; p. 616.
- Matrix-selecting mechanism. W. E. Brand. No. 1,086,506; Feb. 10; Gaz. vol. 199; p. 368.
- Matrix-setting and line-casting machine. H. Degener. No. 1,089,626; Mar. 10; Gaz. vol. 200; p. 374.
- Matrix-setting and line-casting device. J. Dorneth. No. 1,094,643; Apr. 28; Gaz. vol. 201; p. 991.
- Matrix-sheet and producing same. E. R. Bullard. No. 1,112,356; Sept. 29; Gaz. vol. 206; p. 1387.
- Mattress. T. H. Benton. No. 1,088,959; Mar. 3; Gaz. vol. 200; p. 99.
- Mattress. S. Bronstien. No. 1,107,753; Aug. 18; Gaz. vol. 205; p. 852.
- Mattress. P. Schilling. No. 1,092,864; Apr. 14; Gaz. vol. 201; p. 289.
- Mattress and spring seating-surface, Spring-. J. E. Marshall. No. 1,102,280; July 7; Gaz. vol. 204; p. 20.
- Mattress, Bed-. F. Major. No. 1,106,659; Aug. 11; Gaz. vol. 205; p. 420.
- Mattress for invalids, Reversible sanitary. I. E. Malarkey. No. 1,107,683; Aug. 18; Gaz. vol. 205; p. 828.
- Mattress-retainer. E. W. Poland. No. 1,090,875; Mar. 24; Gaz. vol. 200; p. 877.
- Mattress, Spring-. R. Bradshaw. No. 1,103,028; July 14; Gaz. vol. 204; p. 327.
- Mattress, Spring-. E. L. Farrow. No. 1,097,408; May 19; Gaz. vol. 202; p. 845.
- Mattress, Spring-. E. A. Solomon. No. 1,097,994; May 26; Gaz. vol. 202; p. 1096.
- Mattress-springs. R. G. Marquardt and O. H. Stuewe. No. 1,092,375; Apr. 7; Gaz. vol. 201; p. 86.
- Mattress, Wire. A. J. Kreuzkamp. No. 1,100,701; June 16; Gaz. vol. 203; p. 877.
- Mattress, Woven-wire. O. H. Stuewe. No. 1,119,999; Dec. 8; Gaz. vol. 209; p. 414.
- Mattresses, Extensible support for bed-. E. L. Farrow. No. 1,097,586; May 19; Gaz. vol. 202; p. 905.
- Mattresses, Machine for filling compartment. I. J. Weinberg. No. 1,093,668; Apr. 21; Gaz. vol. 201; p. 603.
- Mausoleum. C. E. Bryan. No. 1,083,660; Jan. 6; Gaz. vol. 198; p. 133.
- Mausoleum. C. E. Bryan. No. 1,090,812; Mar. 17; Gaz. vol. 200; p. 822.
- Mausoleum. J. P. Collett. No. 1,115,284; Oct. 27; Gaz. vol. 207; p. 1143.
- Mausoleum. P. W. Sievert. No. 1,087,895; Feb. 17; Gaz. vol. 199; p. 900.
- Mausoleum construction. F. C. Schaeckel. No. 1,094,600; Apr. 28; Gaz. vol. 201; p. 975.
- Mausoleum-purifying system. F. J. Herman. No. 1,119,957; Dec. 8; Gaz. vol. 209; p. 399.
- Mausoleum-venting apparatus. F. A. Holmes. No. 1,096,533; May 12; Gaz. vol. 202; p. 499.
- Mausoleums, Disinfecting device for. F. Borgolte. No. 1,093,823; Apr. 21; Gaz. vol. 201; p. 654.
- Maximum-demand indicator. L. T. Robinson. No. 1,118,444; Nov. 24; Gaz. vol. 208; p. 1160.
- Mayonnaise-mixing machine. J. Kress. No. 1,121,107; Dec. 15; Gaz. vol. 209; p. 854.
- Measure. A. J. Jensen. No. 1,105,439; July 28; Gaz. vol. 204; p. 1255.
- Measure and register, Liquid. W. J. Hughes. No. 1,114,989; Oct. 27; Gaz. vol. 207; p. 1040.
- Measure, Computing-. J. H. Brady. No. 1,119,395; Dec. 1; Gaz. vol. 209; p. 172.
- Measure, Foot-. J. L. Lundahl. No. 1,084,455; Jan. 13; Gaz. vol. 198; p. 425.
- Measure for garment-cutters. R. Glassman. No. 1,113,612; Oct. 13; Gaz. vol. 207; p. 461.
- Measure-indicating device for bolts of cloth or similar fabrics. J. Dugan. No. 1,084,412; Jan. 13; Gaz. vol. 198; p. 412.
- Measure, Liquid-. C. Fritz. No. 1,090,607; Mar. 17; Gaz. vol. 200; p. 757.
- Measure, Tape-. J. T. Sweeney. No. 1,096,963; May 19; Gaz. vol. 202; p. 690.
- Measures, Anchoring device for tape-. A. A. Richardson. No. 1,102,436; July 7; Gaz. vol. 204; p. 76.
- Measures, System for gaging cylindrical. R. J. Hagey. No. 1,085,905; Feb. 3; Gaz. vol. 199; p. 115.
- Measured quantities, Apparatus for supplying. D. Swarovski and H. Weis. No. 1,106,686; Aug. 11; Gaz. vol. 205; p. 429.
- Measurer, Grain-. A. Casford. No. 1,114,233; Oct. 20; Gaz. vol. 207; p. 720.
- Measuring and cutting and cost-computing machine, Cloth. C. Schwartz. No. 1,092,802; Apr. 7; Gaz. vol. 201; p. 232.
- Measuring and cutting machine, Fabric. C. Schwartz. No. 1,090,796; Mar. 17; Gaz. vol. 200; p. 816.
- Measuring and delivering machine. H. A. Ruetschi. No. 1,097,471; May 19; Gaz. vol. 202; p. 867.
- Measuring and dispensing bin. L. B. Thomas. No. 1,095,245; May 5; Gaz. vol. 202; p. 24.
- Measuring and dispensing bin, Combined. L. B. Thomas. No. 1,090,764; Mar. 17; Gaz. vol. 200; p. 805.
- Measuring and dispensing bin, Combined. L. B. Thomas. No. 1,097,149; May 19; Gaz. vol. 202; p. 755.
- Measuring and dispensing device, Liquid. E. C. Thor Schmidt. No. 1,115,036; Oct. 27; Gaz. vol. 207; p. 1056.
- Measuring and feeding mechanism. W. E. Taylor. No. 1,106,012; Aug. 4; Gaz. vol. 205; p. 148.
- Measuring and feeding mechanism. W. E. Taylor. No. 1,122,334; Dec. 29; Gaz. vol. 209; p. 1353.
- Measuring and indicating blood-pressure, Apparatus for. F. A. Faught and C. J. Pilling. No. 1,089,122; Mar. 3; Gaz. vol. 200; p. 154.
- Measuring and marking webs of fabric, paper, and the like, Machine for. E. Kessler. No. 1,095,160; Apr. 28; Gaz. vol. 201; p. 1172.

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- Measuring and marking webs of fabric, paper, and the like, Machine for. E. Kessler. No. 1,096,249; May 12; Gaz. vol. 202; p. 402.
- Measuring apparatus. M. E. Leeds. No. 1,097,651; May 26; Gaz. vol. 202; p. 972.
- Measuring apparatus, Electrical. C. E. Hiatt. No. 1,121,834; Dec. 22; Gaz. vol. 209; p. 1142.
- Measuring apparatus, Rope-. T. C. Bounds. No. 1,120,126; Dec. 8; Gaz. vol. 209; p. 458.
- Measuring apparatus, Tailor's. M. Mennis and W. A. Mead. No. 1,092,737; Apr. 7; Gaz. vol. 201; p. 210.
- Measuring apparatus, Water-. F. N. Connet. No. 1,085,110; Jan. 27; Gaz. vol. 198; p. 712.
- Measuring-container for sugar. B. L. Williams. No. 1,110,365; Sept. 15; Gaz. vol. 206; p. 616.
- Measuring device. R. C. Bradley. No. 1,120,897; Dec. 15; Gaz. vol. 209; p. 779.
- Measuring device. J. J. Briare. No. 1,096,996; May 19; Gaz. vol. 202; p. 700.
- Measuring device. F. Chatfield. No. 1,120,689; Dec. 15; Gaz. vol. 209; p. 706.
- Measuring device. G. W. Foster. No. 1,108,353; Aug. 25; Gaz. vol. 205; p. 1108.
- Measuring device. J. A. Ifkowitz. No. 1,083,684; Jan. 6; Gaz. vol. 198; p. 141.
- Measuring device. M. R. Kondolf. No. 1,116,079; Nov. 3; Gaz. vol. 208; p. 209.
- Measuring device. J. W. Loughlin. No. 1,102,771; July 7; Gaz. vol. 204; p. 192.
- Measuring device, Automatic. J. B. Williams. No. 1,119,380; Dec. 1; Gaz. vol. 209; p. 166.
- Measuring device, Automatic liquid-. F. Schorik and F. F. Marshall. No. 1,102,806; July 7; Gaz. vol. 204; p. 204.
- Measuring device, Cloth-. C. M. Thompson. No. 1,100,629; June 16; Gaz. vol. 203; p. 854.
- Measuring device, Distance-. W. J. Ashcraft. No. 1,099,157; June 9; Gaz. vol. 203; p. 312.
- Measuring device for plant-setting machines, Water-. J. Riemenschneider. No. 1,085,223; Jan. 27; Gaz. vol. 198; p. 752.
- Measuring device, Length and width. A. A. Green. No. 1,099,597; June 9; Gaz. vol. 203; p. 465.
- Measuring device, Liquid-. E. A. Appell. No. 1,094,291; Apr. 21; Gaz. vol. 201; p. 809.
- Measuring device, Mileage-. W. F. Blount. No. 1,087,432; Feb. 17; Gaz. vol. 199; p. 741.
- Measuring device, Rotary. E. C. Spedden. No. 1,092,672; Apr. 7; Gaz. vol. 201; p. 189.
- Measuring device, Waist-. M. E. Morrison. No. 1,101,140; June 23; Gaz. vol. 203; p. 1087.
- Measuring directly the hardness of metals, Machine for. R. Guillery. No. 1,091,128; Mar. 24; Gaz. vol. 200; p. 964.
- Measuring-form. J. H. Clearwater. No. 1,099,165; June 9; Gaz. vol. 203; p. 315.
- Measuring friction, Machine for. H. Hess. No. 1,117,187; Nov. 17; Gaz. vol. 208; p. 678.
- Measuring implement. A. W. Gustafson. No. 1,114,134; Oct. 20; Gaz. vol. 207; p. 684.
- Measuring instrument. W. H. Bristol. No. 1,106,341; Aug. 4; Gaz. vol. 205; p. 260.
- Measuring instrument. A. Haymowicz. No. 1,084,146; Jan. 13; Gaz. vol. 198; p. 325.
- Measuring instrument. H. Miller. No. 1,120,838; Dec. 15; Gaz. vol. 209; p. 758.
- Measuring instrument. A. Nicol. No. 1,098,916; June 2; Gaz. vol. 203; p. 191.
- Measuring instrument. E. O. Parr. No. 1,119,450; Dec. 1; Gaz. vol. 209; p. 189.
- Measuring instrument. F. C. Schmid. No. 1,089,969; Mar. 10; Gaz. vol. 200; p. 492.
- Measuring instrument. R. F. Schneider. No. 1,096,958; May 19; Gaz. vol. 202; p. 688.
- Measuring instrument. E. O. Schweitzer. No. 1,087,189; Feb. 17; Gaz. vol. 199; p. 654.
- Measuring instrument. R. W. Steed. No. 1,109,479; Sept. 1; Gaz. vol. 206; p. 219.
- Measuring instrument, Combination. W. J. Robinson. No. 1,083,376; Jan. 6; Gaz. vol. 198; p. 39.
- Measuring instrument, Distance-. J. Humbrecht. No. 1,088,701; Mar. 3; Gaz. vol. 200; p. 11.
- Measuring instrument, Electrical. R. P. Brown. No. 1,105,481; July 28; Gaz. vol. 204; p. 1270.
- Measuring instrument, Electrical. K. Gyr. No. 1,088,897; Mar. 3; Gaz. vol. 200; p. 77.
- Measuring instrument, Electrical. P. MacGahan. No. 1,116,455; Nov. 10; Gaz. vol. 208; p. 378.
- Measuring instrument, Electrical. F. W. Morris. No. 1,120,217; Dec. 8; Gaz. vol. 209; p. 492.
- Measuring instrument, Electrical. J. Patrick. No. 1,118,678; Nov. 24; Gaz. vol. 208; p. 1241.
- Measuring instrument, Electrical. D. R. Price. No. 1,114,516; Oct. 20; Gaz. vol. 207; p. 822.
- Measuring instrument, Electrical. A. B. Reynders. No. 1,120,850; Dec. 15; Gaz. vol. 209; p. 762.
- Measuring instrument, Lens-. C. J. Troppman. No. 1,083,309; Jan. 6; Gaz. vol. 198; p. 17.
- Measuring instrument, Registering. D. A. Landache. No. 1,117,064; Nov. 10; Gaz. vol. 208; p. 595.
- Measuring instrument, Tree-. C. A. Lyford and E. L. Kinman. No. 1,105,149; July 28; Gaz. vol. 204; p. 1150.
- Measuring instruments, Bearing for. M. Helm. No. 1,104,189; July 21; Gaz. vol. 204; p. 770.
- Measuring instruments, Bearing for the shafts of. W. H. Pratt and A. J. R. Fiego. No. 1,088,839; Mar. 3; Gaz. vol. 200; p. 57.
- Measuring instruments, Shunt for. G. M. Willis. No. 1,084,721; Jan. 20; Gaz. vol. 198; p. 546.
- Measuring-machine. J. Alanko and T. Toivonen. No. 1,103,856; July 14; Gaz. vol. 204; p. 615.
- Measuring-machine. G. H. Cavanagh. No. 1,095,705; May 5; Gaz. vol. 202; p. 182.
- Measuring-machine. J. E. Cochran. No. 1,086,647; Feb. 10; Gaz. vol. 199; p. 418.
- Measuring-machine. A. F. Nims. No. 1,089,947; Mar. 10; Gaz. vol. 200; p. 486.
- Measuring machine, Bagging-. S. W. Denton. No. 1,093,037; Apr. 14; Gaz. vol. 201; p. 347.
- Measuring machine, Cloth-. C. M. Kachel. No. 1,097,098; May 19; Gaz. vol. 202; p. 737.
- Measuring-machine for liquid chocolate and similar articles. P. G. Hollstein. No. 1,096,242; May 12; Gaz. vol. 202; p. 400.
- Measuring machine, Force-. E. G. Thomas. No. 1,120,762; Dec. 15; Gaz. vol. 209; p. 731.
- Measuring machine, Tip-. B. Leach. No. 1,098,274; May 26; Gaz. vol. 202; p. 1193.
- Measuring or weighing machines and devices, Indicator for. T. W. Fitzgerald. No. 1,089,336; Mar. 3; Gaz. vol. 200; p. 224.
- Measuring-receptacle. F. Tatár. No. 1,097,570; May 19; Gaz. vol. 202; p. 900.
- Measuring spectacle-bridges, Device for. C. H. Pixley. No. 1,092,288; Apr. 7; Gaz. vol. 201; p. 58.
- Measuring surface areas, Machine for. G. H. Cavanagh. No. 1,095,704; May 5; Gaz. vol. 202; p. 181.
- Measuring tape, Skirt-. E. C. Watters. No. 1,096,975; May 19; Gaz. vol. 202; p. 694.
- Measuring textile fabrics, &c., Machine for. L. N. Moss. No. 1,087,677; Feb. 17; Gaz. vol. 199; p. 829.
- Measuring the flow of fluids, Apparatus for. T. B. Wylie. No. 1,110,413; Sept. 15; Gaz. vol. 206; p. 633.
- Measuring the frequency of an alternating current, Means for. C. E. Hiatt. No. 1,121,626; Dec. 22; Gaz. vol. 209; p. 1068.
- Measuring the heating value of fuels, Method and device for. H. Junkers. No. 1,103,915; July 14; Gaz. vol. 204; p. 635.
- Measuring the quantity of fluid flowing through pipes. K. Metzdorff. No. 1,120,214; Dec. 8; Gaz. vol. 209; p. 491.
- Measuring the rate of movement of a mechanism averaged over any predetermined period of time, Means for. H. S. Hatfield. No. 1,094,439; Apr. 28; Gaz. vol. 201; p. 919.
- Measuring the superficial area of leather and like materials, Machine for. G. A. Schettler. No. 1,114,917; Oct. 27; Gaz. vol. 207; p. 1014.
- Measuring the surface of leather or the like, Machine for. A. Abel. No. 1,110,278; Sept. 8; Gaz. vol. 206; p. 546.
- Measuring the tension and the sounding length of strings, Instrument for. H. Wenzel-Schmidt. No. 1,113,390; Oct. 13; Gaz. vol. 207; p. 385.
- Measuring the twist of shafts. H. H. Cummings. No. 1,100,691; June 16; Gaz. vol. 203; p. 874.
- Measuring-tool. W. G. Meyers. No. 1,107,436; Aug. 18; Gaz. vol. 205; p. 740.
- Meat and fruit press. S. A. Rosen. No. 1,109,363; Sept. 1; Gaz. vol. 206; p. 181.
- Meat-block. F. M. Schaefer. No. 1,122,314; Dec. 29; Gaz. vol. 209; p. 1347.
- Meat-block cleaner, Electrical. A. W. A. Friberg. No. 1,115,301; Oct. 27; Gaz. vol. 207; p. 1149.
- Meat-block, Revolving. J. Ellenson. No. 1,088,065; Feb. 24; Gaz. vol. 199; p. 1007.
- Meat-block, Revolving. F. Pfeiderer, Jr. No. 1,105,531; July 28; Gaz. vol. 204; p. 1287.
- Meat-chopper. E. M. Blair. No. 1,097,519; May 19; Gaz. vol. 202; p. 883.
- Meat-chopper. E. A. Lahiére. No. 1,110,946; Sept. 15; Gaz. vol. 206; p. 821.
- Meat-chopping machines, Seasoning attachment for. A. Sturgis. No. 1,110,515; Sept. 15; Gaz. vol. 206; p. 670.
- Meat clamp or skewer. J. W. Brown. No. 1,113,929; Oct. 13; Gaz. vol. 207; p. 572.
- Meat compound, Preparing a preserved. N. J. Torkelsen. No. 1,088,944; Mar. 3; Gaz. vol. 200; p. 94.
- Meat-curing apparatus. A. Sebessy and S. Rémusz. No. 1,116,135; Nov. 3; Gaz. vol. 208; p. 229.
- Meat-curing device. B. Hiller. No. 1,108,755; Aug. 25; Gaz. vol. 205; p. 1246.
- Meat-cutting machine. P. Ganzhorn. No. 1,084,854; Jan. 20; Gaz. vol. 198; p. 591.
- Meat-grinder attachment. R. R. Reid. No. 1,115,243; Oct. 27; Gaz. vol. 207; p. 1130.
- Meat-skinning machine. C. W. Cunningham. No. 1,111,952; Sept. 29; Gaz. vol. 206; p. 1248.
- Meat-skinning machines, Clamp-operating device for. C. W. Cunningham. No. 1,111,953; Sept. 29; Gaz. vol. 206; p. 1248.

Alphabetical list of inventions—Continued.

- Meat-tenderer. A. L. Barringer. No. 1,116,668; Nov. 10; Gaz. vol. 208; p. 458.
- Meat-tenderer. L. J. Farland. No. 1,106,642; Aug. 11; Gaz. vol. 205; p. 414.
- Meat-tongue. J. W. Marks. No. 1,116,601; Nov. 10; Gaz. vol. 208; p. 433.
- Meats, Composition of matter to be used for the preservation of. J. G. Hopkins. No. 1,098,575; June 2; Gaz. vol. 203; p. 77.
- Mechanical-construction blocks. C. H. Pajean. No. 1,092,591; Apr. 7; Gaz. vol. 201; p. 161.
- Mechanical drier. W. E. Prindle. No. 1,104,929; July 28; Gaz. vol. 204; p. 1076.
- Mechanical lubricator. M. Jaeger. No. 1,119,607; Dec. 1; Gaz. vol. 209; p. 244.
- Mechanical motor. H. P. Pfum. No. 1,088,294; Feb. 24; Gaz. vol. 199; p. 1086.
- Mechanical motor. M. T. B. Washington. No. 1,109,380; Sept. 1; Gaz. vol. 206; p. 187.
- Mechanical movement. D. K. Allison. No. 1,116,780; Nov. 10; Gaz. vol. 208; p. 497.
- Mechanical movement. F. E. Bright. No. 1,120,679; Dec. 15; Gaz. vol. 209; p. 702.
- Mechanical movement. J. G. Clemens. No. 1,116,243; Nov. 3; Gaz. vol. 208; p. 265.
- Mechanical movement. H. D. Colman. No. 1,116,019; Nov. 3; Gaz. vol. 208; p. 189.
- Mechanical movement. M. D. Compton. No. 1,123,172; Dec. 29; Gaz. vol. 209; p. 1647.
- Mechanical movement. T. L. Dorros. No. 1,100,546; June 16; Gaz. vol. 203; p. 827.
- Mechanical movement. F. W. Fluhrer. No. 1,110,677; Sept. 15; Gaz. vol. 206; p. 727.
- Mechanical movement. A. J. Fortescue. No. 1,111,569; Sept. 22; Gaz. vol. 206; p. 1078.
- Mechanical movement. C. W. Gift. No. 1,105,418; July 28; Gaz. vol. 204; p. 1249.
- Mechanical movement. G. V. J. Guilbert. No. 1,089,762; Mar. 10; Gaz. vol. 200; p. 421.
- Mechanical movement. H. F. Jacobs. No. 1,108,844; Aug. 25; Gaz. vol. 205; p. 1277.
- Mechanical movement. W. C. Kelly. No. 1,119,965; Dec. 8; Gaz. vol. 209; p. 401.
- Mechanical movement. J. C. Kitton. No. 1,107,529; Aug. 18; Gaz. vol. 205; p. 771.
- Mechanical movement. V. Kobler. No. 1,107,673; Aug. 18; Gaz. vol. 205; p. 824.
- Mechanical movement. W. S. Livengood. No. 1,108,380; Aug. 25; Gaz. vol. 205; p. 1118.
- Mechanical movement. S. Mestel. No. 1,113,812; Oct. 13; Gaz. vol. 207; p. 532.
- Mechanical movement. W. T. Sears. No. 1,087,558; Feb. 17; Gaz. vol. 199; p. 785.
- Mechanical movement. J. H. Tallman. No. 1,102,106; June 30; Gaz. vol. 203; p. 1474.
- Mechanical movement. O. P. Underwood. No. 1,116,768; Nov. 10; Gaz. vol. 208; p. 492.
- Mechanical movement. W. H. Welch. No. 1,110,977; Sept. 15; Gaz. vol. 206; p. 831.
- Mechanical movement. W. W. Wilson. No. 1,104,462; July 21; Gaz. vol. 204; p. 864.
- Mechanical shovel. J. R. Zygalinski. No. 1,109,194; Sept. 1; Gaz. vol. 206; p. 120.
- Mechanically-operated brake. W. G. Bryan and P. B. Sheather. No. 1,121,794; Dec. 22; Gaz. vol. 209; p. 1126.
- Medical appliance. C. W. J. Specht. No. 1,115,981; Nov. 3; Gaz. vol. 208; p. 176.
- Medical appliance. G. Wolf. No. 1,089,805; Mar. 10; Gaz. vol. 200; p. 435.
- Medical exploration-illuminator. F. C. Joutas. No. 1,122,399; Dec. 29; Gaz. vol. 209; p. 1374.
- Medicament-ejector for rectal, vaginal, and nasal use. Sanitary. C. E. Brasefield. No. 1,098,222; May 26; Gaz. vol. 202; p. 1173.
- Medicated nest-egg. L. C. West. No. 1,119,557; Dec. 1; Gaz. vol. 209; p. 227.
- Medicinal tablets, Apparatus for forming. H. E. Whitaker and J. M. MacDonald. No. 1,102,374; July 7; Gaz. vol. 204; p. 52.
- Medicine-dose measurer and bottle-stopper. A. T. Stevenson. No. 1,093,740; Apr. 21; Gaz. vol. 201; p. 627.
- Medicine-dropper. R. M. Myers. No. 1,116,833; Nov. 10; Gaz. vol. 208; p. 516.
- Medicine-dropper. L. P. Savage. No. 1,093,481; Apr. 14; Gaz. vol. 201; p. 497.
- Medicines, Wafer for encapsulating. H. Nerlinger. No. 1,094,740; Apr. 28; Gaz. vol. 201; p. 1028.
- Melting and projecting fusible substances, Apparatus for. E. Morf. No. 1,100,602; June 16; Gaz. vol. 203; p. 845.
- Melting and refining copper, Furnace for. W. S. Rockey, H. Eldridge, and C. D. Clark. No. 1,119,540; Dec. 1; Gaz. vol. 209; p. 222.
- Melting-furnace. I. Hall. No. 1,117,666; Nov. 17; Gaz. vol. 208; p. 847.
- Melting-furnace. G. Mellen. No. 1,092,938; Apr. 14; Gaz. vol. 201; p. 314.
- Melting-furnace. P. Vergnani. No. 1,121,957; Dec. 22; Gaz. vol. 209; p. 1185.
- Melting-furnace, Crucible. W. Melas. No. 1,086,835; Feb. 10; Gaz. vol. 199; p. 484.
- Melting furnace, Metal-. I. Hall. No. 1,117,667; Nov. 17; Gaz. vol. 208; p. 848.
- Memorandum-case. F. A. Fuller. No. 1,097,619; May 26; Gaz. vol. 202; p. 960.
- Memorandum-indicator. W. H. Woolums. No. 1,101,826; June 30; Gaz. vol. 203; p. 1373.
- Memorandum or pad holder. S. D. Inscho. No. 1,110,488; Sept. 15; Gaz. vol. 206; p. 660.
- Memorandum-sheet, Dictation. N. C. Durand. No. 1,098,100; May 26; Gaz. vol. 202; p. 1133.
- Memory-ring. W. R. Heylmun. No. 1,087,015; Feb. 10; Gaz. vol. 199; p. 543.
- Menthol inhaler and pencil. C. H. Sanford. No. 1,102,086; June 30; Gaz. vol. 203; p. 1467.
- Merchandise safety-receptacle. J. I. Pennington. No. 1,110,816; Sept. 15; Gaz. vol. 206; p. 775.
- Mercuric chlorid and producing same. F. Kaufler and A. Klages. No. 1,084,346; Jan. 13; Gaz. vol. 198; p. 391.
- Mercury from its ores and other materials, Extraction of. E. B. Thornhill. No. 1,119,377; Dec. 1; Gaz. vol. 209; p. 165.
- Mercury-gage. H. E. Long. No. 1,119,706; Dec. 1; Gaz. vol. 209; p. 277.
- Mercury-tube switch. T. B. Freas. No. 1,118,900; Nov. 24; Gaz. vol. 208; p. 1314.
- Mercury-vapor apparatus. J. C. Pole. No. 1,110,645; Sept. 15; Gaz. vol. 206; p. 715.
- Mercury-vapor apparatus. P. H. Thomas. No. 1,110,603; Sept. 15; Gaz. vol. 206; p. 701.
- Mercury-vapor outfit and circuit therefor. P. H. Thomas. No. 1,110,586; Sept. 15; Gaz. vol. 206; p. 694.
- Mercury-vapor rectifier. P. C. Hewitt. No. 1,110,557; Sept. 15; Gaz. vol. 206; p. 683.
- Merry-go-round. J. Ney. (Reissue.) No. 13,721; Apr. 28; Gaz. vol. 201; p. 1182.
- Merry-go-round. H. E. Sifferman. No. 1,121,768; Dec. 22; Gaz. vol. 209; p. 1118.
- Merry-go-round. W. C. Smalstig. No. 1,116,143; Nov. 3; Gaz. vol. 208; p. 232.
- Merry-go-round. L. Willour. No. 1,099,729; June 9; Gaz. vol. 203; p. 509.
- Merry-go-round and skating-rink, Combined. S. P. Jensen. No. 1,097,026; May 19; Gaz. vol. 202; p. 711.
- Merry-go-round, Floating. J. E. Wright. No. 1,086,742; Feb. 10; Gaz. vol. 199; p. 451.
- Message-carrier, Electric. B. P. Schneider. No. 1,115,339; Oct. 27; Gaz. vol. 207; p. 1160.
- Message register or memorandum-tablet, Autographic. W. H. Jackson. No. 1,106,711; Aug. 11; Gaz. vol. 205; p. 436.
- Messages between a station and a moving car, Means for the interchange of. O. H. and J. L. Smith. No. 1,083,866; Jan. 6; Gaz. vol. 198; p. 197.
- Metacresol and formaldehyde, Infusible condensation product of. L. H. Baekeland. No. 1,088,677; Mar. 3; Gaz. vol. 200; p. 3.
- Metal adsorptions, Producing. B. Schwerin. No. 1,098,176; May 26; Gaz. vol. 202; p. 1158.
- Metal, Apparatus for manufacturing expanded. N. E. Clark. No. 1,103,033; July 14; Gaz. vol. 204; p. 329.
- Metal article. L. S. Lachman. No. 1,119,290; Dec. 1; Gaz. vol. 209; p. 134.
- Metal articles, Apparatus for shaping. F. G. Wacker. No. 1,111,198; Sept. 22; Gaz. vol. 206; p. 952.
- Metal articles, Apparatus for treating. J. C. Russell. No. 1,087,142; Feb. 17; Gaz. vol. 199; p. 639.
- Metal articles, Making. D. N. Prime. No. 1,114,384; Oct. 20; Gaz. vol. 207; p. 773.
- Metal bars, Joint for crossing. H. Heinzl. No. 1,083,931; Jan. 13; Gaz. vol. 198; p. 250.
- Metal basket. J. Ray. No. 1,119,725; Dec. 1; Gaz. vol. 209; p. 283.
- Metal beadings, Apparatus for the manufacture of. T. C. and J. H. Davis. No. 1,101,416; June 23; Gaz. vol. 203; p. 1180.
- Metal-bender. K. M. Boblett. No. 1,117,770; Nov. 17; Gaz. vol. 208; p. 885.
- Metal-bender. W. A. Tulford. No. 1,119,691; Dec. 1; Gaz. vol. 209; p. 272.
- Metal-bending die. G. A. Ohl, Jr. No. 1,111,403; Sept. 22; Gaz. vol. 206; p. 1021.
- Metal-bending machine. J. M. Fedders. No. 1,122,092; Dec. 22; Gaz. vol. 209; p. 1232.
- Metal blooms or billets and tubes therefrom, Apparatus for the manufacture of hollow. J. G. and G. R. Inshaw. No. 1,118,864; Nov. 24; Gaz. vol. 208; p. 1303.
- Metal bodies, Heat treatment of. J. H. Barker. No. 1,085,523; Jan. 27; Gaz. vol. 198; p. 853.
- Metal bodies, Manufacturing. F. Pacher. No. 1,092,663; Apr. 7; Gaz. vol. 201; p. 186.
- Metal by electrolytic exhaustion of a solution of a salt of this metal, Extraction of a. N. H. M. Dekker. No. 1,101,620; June 30; Gaz. vol. 203; p. 1304.
- Metal caps, Machine for dishing and corrugating. T. E. Hunt. No. 1,086,055; Feb. 3; Gaz. vol. 199; p. 171.
- Metal-cleaning appliance, Tarnished. H. M. Feters. No. 1,092,985; Apr. 14; Gaz. vol. 201; p. 330.
- Metal-cleaning compound. G. D. Feidt. No. 1,119,781; Dec. 1; Gaz. vol. 209; p. 301.

Alphabetical list of inventions—Continued.

- Metal clip for binding rope ends and for use in rope-splicing. J. J. A. Miller. No. 1,114,791; Oct. 27; Gaz. vol. 207; p. 968.
- Metal colloids, Production of. H. Crookes and L. Stroud. No. 1,116,247; Nov. 3; Gaz. vol. 208; p. 266.
- Metal, Composite. L. B. Tebbetts, 2d. No. 1,101,219; June 23; Gaz. vol. 203; p. 1115.
- Metal, Composite. L. B. Tebbetts, 2d. No. 1,101,220; June 23; Gaz. vol. 203; p. 1115.
- Metal-cooling bath. W. S. Rogers. No. 1,086,621; Feb. 10; Gaz. vol. 199; p. 410.
- Metal cutter or shears. D. W. Collins. No. 1,096,684; May 12; Gaz. vol. 202; p. 549.
- Metal cutting and bending machine. N. H. Davis. No. 1,102,327; July 7; Gaz. vol. 204; p. 37.
- Metal-cutting knife. F. H. Williams. No. 1,084,188; Jan. 13; Gaz. vol. 198; p. 340.
- Metal-cutting machine. W. H. Lucas. No. 1,109,344; Sept. 1; Gaz. vol. 206; p. 174.
- Metal-cutting machines, Work-holder for. H. Matthews and H. Holmes. No. 1,084,352; Jan. 13; Gaz. vol. 198; p. 393.
- Metal-cutting tip. E. G. Luening. No. 1,106,724; Aug. 11; Gaz. vol. 205; p. 442.
- Metal-cutting tool. L. Baptiste. No. 1,102,124; June 30; Gaz. vol. 203; p. 1481.
- Metal-cutting tool. B. M. W. Hanson. No. 1,089,376; Mar. 3; Gaz. vol. 200; p. 238.
- Metal drawing or stamping machine. H. B. Sherman. No. 1,117,097; Nov. 10; Gaz. vol. 208; p. 607.
- Metal, Expanded. N. E. Clark. No. 1,086,027; Feb. 3; Gaz. vol. 199; p. 161.
- Metal fabric. N. E. Clark. No. 1,104,475; July 21; Gaz. vol. 204; p. 869.
- Metal fabric. N. E. Clark. No. 1,104,476; July 21; Gaz. vol. 204; p. 869.
- Metal fabric, Machine for making flexible. A. C. Pratt. No. 1,094,471; Apr. 28; Gaz. vol. 201; p. 931.
- Metal fabric, Reticulated. N. E. Clark. No. 1,113,195; Oct. 13; Gaz. vol. 207; p. 314.
- Metal-founding. C. L. Spinney. No. 1,091,542; Mar. 31; Gaz. vol. 200; p. 1147.
- Metal from alkaline solutions, Recovering. H. R. Ellis. No. 1,115,523; Nov. 3; Gaz. vol. 208; p. 19.
- Metal-furnace. I. Hall. No. 1,100,827; June 23; Gaz. vol. 203; p. 977.
- Metal into core-molds, Means for pouring. F. E. Cudell. No. 1,103,039; July 14; Gaz. vol. 204; p. 331.
- Metal, Joining. L. S. Lachman. No. 1,101,858; June 30; Gaz. vol. 203; p. 1385.
- Metal link, Expandable. J. H. Theberath. No. 1,090,581; Mar. 17; Gaz. vol. 200; p. 747.
- Metal, Machine for making expanded. N. E. Clark. No. 1,103,034; July 14; Gaz. vol. 204; p. 329.
- Metal, Machine for producing expanded. J. E. Dobson and G. Merkel. No. 1,119,933; Dec. 8; Gaz. vol. 209; p. 390.
- Metal, Manufacture of bar and tube shaped articles from molten. A. H. Pehrson. No. 1,088,171; Feb. 24; Gaz. vol. 199; p. 1044.
- Metal, Method of and apparatus for generating holes in. H. E. Warren. No. 1,123,045; Dec. 29; Gaz. vol. 209; p. 1601.
- Metal mold, Permanent. E. A. Custer. No. 1,097,849; May 26; Gaz. vol. 202; p. 1043.
- Metal molding. G. A. Jordan. No. 1,113,559; Oct. 13; Gaz. vol. 207; p. 444.
- Metal molding. G. A. Jordan. No. 1,113,560; Oct. 13; Gaz. vol. 207; p. 445.
- Metal or other material, Apparatus for making extruded articles of. G. Mellen. No. 1,092,937; Apr. 14; Gaz. vol. 201; p. 314.
- Metal or other material, Making extruded articles of. G. Mellen. No. 1,092,934; Apr. 14; Gaz. vol. 201; p. 313.
- Metal oxids, Securing the precipitation of the rare. R. S. Davis. No. 1,119,929; Dec. 8; Gaz. vol. 209; p. 390.
- Metal-pickling. T. R. Davidson. No. 1,104,107; July 21; Gaz. vol. 204; p. 742.
- Metal pipe and tubing, Method of and means for manufacturing. E. E. Ries. No. 1,093,010; Apr. 14; Gaz. vol. 201; p. 338.
- Metal plates, Machine for edging. J. Fraser. No. 1,109,521; Sept. 1; Gaz. vol. 206; p. 232.
- Metal post and pole. C. B. Scott and H. E. Foster. No. 1,115,588; Nov. 3; Gaz. vol. 208; p. 41.
- Metal-precipitating device. F. A. Ross. No. 1,101,569; June 30; Gaz. vol. 203; p. 1286.
- Metal, Producing expanded. J. E. Dobson and G. Merkel. No. 1,119,932; Dec. 8; Gaz. vol. 209; p. 390.
- Metal product from cast-iron, Malleable. E. A. Custer. No. 1,086,652; Feb. 10; Gaz. vol. 199; p. 420.
- Metal products, Fastening device for ribbed expanded. A. W. Herbert. No. 1,095,396; May 5; Gaz. vol. 202; p. 75.
- Metal-reducing. C. G. Fink. No. 1,119,588; Dec. 1; Gaz. vol. 209; p. 238.
- Metal-reducing machine. B. M. W. Hanson. No. 1,084,628; Jan. 20; Gaz. vol. 198; p. 512.
- Metal-reducing machine. B. M. W. Hanson. No. 1,104,988; July 28; Gaz. vol. 204; p. 1096.
- Metal-refining furnace. E. C. Wills. No. 1,084,991; Jan. 20; Gaz. vol. 198; p. 635.
- Metal, Reinforced expanded. J. Kahn and T. H. Kane. No. 1,111,838; Sept. 29; Gaz. vol. 206; p. 1210.
- Metal rolls, Cleaning and scouring attachment for. J. Dunlop and J. D. Davidson. No. 1,094,202; Apr. 21; Gaz. vol. 201; p. 781.
- Metal-sawing machine. J. C. Potter. No. 1,098,167; May 26; Gaz. vol. 202; p. 1154.
- Metal-scalping machine. A. Henderson. No. 1,097,976; May 26; Gaz. vol. 202; p. 1091.
- Metal shapes, Reinforcement for composition covering of structural. D. H. Hayden. No. 1,121,558; Dec. 15; Gaz. vol. 209; p. 1009.
- Metal, Shaping. H. Neuman. No. 1,091,381; Mar. 24; Gaz. vol. 200; p. 1048.
- Metal-shaping machine. H. Neuman. No. 1,091,469; Mar. 24; Gaz. vol. 200; p. 1076.
- Metal-shaping machine. L. E. Rhodes. No. 1,100,990; June 23; Gaz. vol. 203; p. 1035.
- Metal-shaving apparatus. G. Dunham. No. 1,121,003; Dec. 15; Gaz. vol. 209; p. 816.
- Metal-shearing machine. C. D. McDonald. No. 1,110,810; Sept. 15; Gaz. vol. 206; p. 773.
- Metal sheet, Protected. T. D. Miller. No. 1,115,714; Nov. 3; Gaz. vol. 208; p. 85.
- Metal sheets, &c., Apparatus for testing. A. M. Erichsen. No. 1,094,319; Apr. 21; Gaz. vol. 201; p. 817.
- Metal sheets, Device for separating. A. E. Grant. No. 1,109,676; Sept. 8; Gaz. vol. 206; p. 330.
- Metal sheets, Making. E. Norton. No. 1,108,213; Aug. 25; Gaz. vol. 205; p. 1059.
- Metal sheets, Manufacture of. E. Norton. No. 1,113,474; Oct. 13; Gaz. vol. 207; p. 415.
- Metal sheeting, Interlocking. J. B. Goldsborough. No. 1,090,911; Mar. 24; Gaz. vol. 200; p. 888.
- Metal silicate and producing it, Hydrous alkali. E. A. Paterson. No. 1,119,720; Dec. 1; Gaz. vol. 209; p. 282.
- Metal-spoked wheel. W. E. Williams. No. 1,113,078; Oct. 6; Gaz. vol. 207; p. 230.
- Metal spring. L. L. B. Denis. (Reissue.) No. 13,699; Mar. 17; Gaz. vol. 200; p. 828.
- Metal-strap ends, Tool for joining. E. E. Flora and J. F. Murphy. No. 1,083,607; Jan. 6; Gaz. vol. 198; p. 116.
- Metal-strap ends, Tool for joining. E. E. Flora and J. F. Murphy. No. 1,084,935; Jan. 20; Gaz. vol. 198; p. 617.
- Metal-strap ends, Tool for joining. E. E. Flora and J. F. Murphy. No. 1,105,191; July 28; Gaz. vol. 204; p. 1165.
- Metal strips, Machine for bending. W. S. Foster. No. 1,096,233; May 12; Gaz. vol. 202; p. 396.
- Metal structure. E. A. Wilson. No. 1,095,055; Apr. 28; Gaz. vol. 201; p. 1136.
- Metal structure, Expanded. H. E. White. No. 1,088,951; Mar. 3; Gaz. vol. 200; p. 97.
- Metal structure, Expanded. H. E. White. No. 1,112,181; Sept. 29; Gaz. vol. 206; p. 1326.
- Metal surfaces, Cleaning. C. H. Thompson. No. 1,098,338; May 26; Gaz. vol. 202; p. 1215.
- Metal surfaces, Protective compound for. D. M. Howe. No. 1,121,363; Dec. 15; Gaz. vol. 209; p. 941.
- Metal tie, Hollow. W. J. Seeley. No. 1,112,330; Sept. 29; Gaz. vol. 206; p. 1378.
- Metal tips to cord, Machine for applying. E. W. Anderegg. No. 1,087,420; Feb. 17; Gaz. vol. 199; p. 737.
- Metal-treating apparatus. S. T. Wellman. No. 1,116,772; Nov. 10; Gaz. vol. 208; p. 494.
- Metal, Trussed expanded. F. C. Arey. No. 1,092,325; Apr. 7; Gaz. vol. 201; p. 71.
- Metal wheel. T. Clarkson and W. J. Morison. No. 1,107,263; Aug. 18; Gaz. vol. 205; p. 678.
- Metal wheel. H. Hill. No. 1,083,682; Jan. 6; Gaz. vol. 198; p. 140.
- Metal wheel. O. G. Simmons. No. 1,099,770; June 9; Gaz. vol. 203; p. 522.
- Metal wheel. L. K. Thorspeck. No. 1,095,298; May 5; Gaz. vol. 202; p. 43.
- Metal wheel. W. E. Williams. No. 1,118,986; Dec. 1; Gaz. vol. 209; p. 29.
- Metal-work, Composite. L. S. Lachman. No. 1,111,393; Sept. 22; Gaz. vol. 206; p. 1018.
- Metal-working. N. E. Clark. No. 1,104,477; July 21; Gaz. vol. 204; p. 870.
- Metal-working. D. B. Marwick. No. 1,110,000; Sept. 8; Gaz. vol. 206; p. 446.
- Metal-working implement, Compound. L. Sellier. No. 1,113,254; Oct. 13; Gaz. vol. 207; p. 336.
- Metal-working machine. E. W. Crellin. No. 1,101,685; June 30; Gaz. vol. 203; p. 1325.
- Metal-working machine. J. R. and T. R. Crellin. No. 1,112,269; Sept. 29; Gaz. vol. 206; p. 1358.
- Metal-working machine. B. M. W. Hanson. No. 1,110,325; Sept. 15; Gaz. vol. 206; p. 602.
- Metal-working machine. B. M. W. Hanson. No. 1,118,342; Nov. 24; Gaz. vol. 208; p. 1122.
- Metal-working machine. D. W. Pond. No. 1,090,342; Mar. 17; Gaz. vol. 200; p. 662.
- Metal-working machine. M. Sklovsky and G. W. Mixter. No. 1,117,101; Nov. 10; Gaz. vol. 208; p. 608.
- Metal-working machine. O. A. Smith. No. 1,104,147; July 21; Gaz. vol. 204; p. 755.

Alphabetical list of inventions—Continued.

- Metal-working machine. O. A. Smith. No. 1,111,411; Sept. 22; Gaz. vol. 206; p. 1024.
- Metal-working machine. J. G. Spear. No. 1,106,250; Aug. 4; Gaz. vol. 205; p. 230.
- Metal-working machine. E. Trobeck. No. 1,092,462; Apr. 7; Gaz. vol. 201; p. 117.
- Metal-working machines, Work-holder for. R. W. Lord. No. 1,085,816; Feb. 3; Gaz. vol. 199; p. 85.
- Metal-working tool. K. D. McQueen. No. 1,115,226; Oct. 27; Gaz. vol. 207; p. 1124.
- Metal-working tool and tool-holder. A. Cousot. No. 1,085,079; Jan. 20; Gaz. vol. 198; p. 665.
- Metal-working tools, Cooling apparatus for. C. R. Wigness. No. 1,119,669; Dec. 1; Gaz. vol. 209; p. 264.
- Metals and alloys, Manufacture of bodies of refractory. P. Schwarzkopf and S. Burgstaller. No. 1,096,464; May 12; Gaz. vol. 202; p. 475.
- Metals and alloys of the same, Manufacture of ductile bodies of high-fusing. A. J. Liebmann. No. 1,111,698; Sept. 22; Gaz. vol. 206; p. 1125.
- Metals, Chemical concentration of. C. S. Bradley. No. 1,114,726; Oct. 27; Gaz. vol. 207; p. 944.
- Metals, Cleaning. A. A. Nelson. No. 1,114,635; Oct. 20; Gaz. vol. 207; p. 859.
- Metals during annealing, Preventing oxidation of. J. F. Thompson and E. E. Seelye. No. 1,085,768; Feb. 3; Gaz. vol. 199; p. 69.
- Metals, Electric fusion of. A. P. Strohmenger. No. 1,085,951; Feb. 3; Gaz. vol. 199; p. 133.
- Metals, Electrically treating, melting, and refining. C. A. Keller. No. 1,110,208; Sept. 8; Gaz. vol. 206; p. 520.
- Metals from cyanid solutions, Precipitation of. C. Butters. No. 1,092,765; Apr. 7; Gaz. vol. 201; p. 220.
- Metals from ores and for like purposes, Apparatus for making and filtering solutions applicable in the extraction of. P. C. C. Isherwood. No. 1,110,790; Sept. 15; Gaz. vol. 206; p. 766.
- Metals from ores, Extracting. H. S. MacKay. No. 1,094,371; Apr. 21; Gaz. vol. 201; p. 834.
- Metals from ores, Separating. H. A. Wagner. No. 1,115,351; Oct. 27; Gaz. vol. 207; p. 1164.
- Metals from their ores, Apparatus for extracting. H. S. MacKay. No. 1,084,351; Jan. 13; Gaz. vol. 198; p. 392.
- Metals from their ores, Reducing and separating the. J. M. McCormack. No. 1,099,388; June 9; Gaz. vol. 203; p. 394.
- Metals from zinc-bearing ores or compounds, Separation of. E. A. Ashcroft. No. 1,091,269; Mar. 24; Gaz. vol. 200; p. 1013.
- Metals *in vacuo*, Melting and mixing. W. S. Simpson. (Reissue.) No. 13,849; Dec. 15; Gaz. vol. 209; p. 1025.
- Metals, Joining unlike. W. D. Coolidge. No. 1,101,062; June 23; Gaz. vol. 203; p. 1061.
- Metals, Making clad. J. F. Monnot. No. 1,110,638; Sept. 15; Gaz. vol. 206; p. 713.
- Metals, Making clad. J. F. Monnot. No. 1,114,792; Oct. 27; Gaz. vol. 207; p. 968.
- Metals, Making clad. W. M. Page. No. 1,084,474; Jan. 13; Gaz. vol. 198; p. 431.
- Metals, Manufacture of stable colloidal solutions of. B. Schwerin. No. 1,119,647; Dec. 1; Gaz. vol. 209; p. 257.
- Metals or metallic alloys in strip form, Machine for producing. H. J. Fisher and H. Sutton. No. 1,098,944; June 2; Gaz. vol. 203; p. 200.
- Metals, Precipitating and recovering. C. H. Urquhart. No. 1,090,661; Mar. 17; Gaz. vol. 200; p. 774.
- Metals, Production of varied colorations and black shades on. F. A. Roux. No. 1,095,357; May 5; Gaz. vol. 202; p. 63.
- Metals, Recovering rusty gold and native platinum. R. E. Lyons. No. 1,118,944; Dec. 1; Gaz. vol. 209; p. 13.
- Metals, Refining. A. Patton. No. 1,091,588; Mar. 31; Gaz. vol. 200; p. 1162.
- Metals, Treating. E. G. Gilson. No. 1,091,057; Mar. 24; Gaz. vol. 200; p. 940.
- Metals, Uniting. J. C. Russell. No. 1,090,088; Mar. 10; Gaz. vol. 200; p. 532.
- Metals, Working refractory. M. von Pirani. No. 1,089,786; Mar. 10; Gaz. vol. 200; p. 429.
- Metallic and plastic fabric, Making. W. H. Underwood. No. 1,096,077; May 12; Gaz. vol. 202; p. 343.
- Metallic article, Compound. C. W. Davis. No. 1,101,729; June 30; Gaz. vol. 203; p. 1339.
- Metallic articles and making same, Molded. W. R. Whitney. No. 1,121,960; Dec. 22; Gaz. vol. 209; p. 1186.
- Metallic articles, Making compound. C. C. Baldwin. No. 1,122,675; Dec. 29; Gaz. vol. 209; p. 1472.
- Metallic bin. M. J. McMartin. No. 1,096,312; May 12; Gaz. vol. 202; p. 425.
- Metallic coupling, Flexible. J. R. Alexander. No. 1,111,283; Sept. 22; Gaz. vol. 206; p. 981.
- Metallic frame, Adjustable. L. Bland. No. 1,091,623; Mar. 31; Gaz. vol. 200; p. 1174.
- Metallic leaf in rolls, Machine for packaging. C. E. Smith. No. 1,089,443; Mar. 10; Gaz. vol. 200; p. 310.
- Metallic leaf in rolls, Machine for packaging. C. E. Smith. (Reissue.) No. 13,722; May 5; Gaz. vol. 202; p. 283.
- Metallic leaf, Machine for applying roll. L. M. Harwood. No. 1,097,316; May 19; Gaz. vol. 202; p. 815.
- Metallic packing. V. E. and R. G. Nelson. No. 1,120,400; Dec. 8; Gaz. vol. 209; p. 556.
- Metallic roller. W. W. Watson and J. G. Carlson. No. 1,092,464; Apr. 7; Gaz. vol. 201; p. 118.
- Metallic sheets and the like, Method and apparatus for forming. G. H. Forsyth. No. 1,112,779; Oct. 6; Gaz. vol. 207; p. 129.
- Metallic sheets, Separating. W. R. Kinnear. No. 1,085,270; Jan. 27; Gaz. vol. 198; p. 769.
- Metallic structure, Collapsible. J. O. Ellinger. No. 1,094,844; Apr. 28; Gaz. vol. 201; p. 1063.
- Metallic sulfids from gangue, Process and apparatus for the separation of. L. Bradford. No. 1,101,506; June 23; Gaz. vol. 203; p. 1214.
- Metallic thorium, Production of. W. C. Arsem. No. 1,085,098; Jan. 27; Gaz. vol. 198; p. 709.
- Metallic tie. L. G. Earl. No. 1,105,325; July 28; Gaz. vol. 204; p. 1214.
- Metallic tie. B. S. Rupp. No. 1,086,404; Feb. 10; Gaz. vol. 199; p. 333.
- Metallic tie. B. S. Rupp and J. W. Johnson. (Reissue.) No. 13,729; May 12; Gaz. vol. 202; p. 599.
- Metallic tie. J. F. Townsend. No. 1,110,164; Sept. 8; Gaz. vol. 206; p. 506.
- Metallic tie and fastener. R. J. Doherty. No. 1,119,411; Dec. 1; Gaz. vol. 209; p. 176.
- Metallic tie and fastener. H. J. Faubel and W. Roach. No. 1,100,550; June 16; Gaz. vol. 203; p. 828.
- Metallic tie and rail-fastener. E. J. Myers. No. 1,099,265; June 9; Gaz. vol. 203; p. 349.
- Metallic tie and rail-fastener. R. W. Oswald. No. 1,091,530; Mar. 31; Gaz. vol. 200; p. 1142.
- Metallic tie and track-fastening. G. Olson. No. 1,087,678; Feb. 17; Gaz. vol. 199; p. 829.
- Metalliferous materials, Treating. H. B. Hoyland and G. B. Frankforter. No. 1,098,668; June 2; Gaz. vol. 203; p. 106.
- Metallizing-furnace. E. P. Mathewson and F. Laist. No. 1,094,802; Apr. 28; Gaz. vol. 201; p. 1048.
- Metallizing the surface of cast-iron, wood, gypsum, paper, &c., Superficially. P. Marino. No. 1,096,177; May 12; Gaz. vol. 202; p. 377.
- Metallurgical and chemical process. J. E. Bucher. No. 1,087,900; Feb. 17; Gaz. vol. 199; p. 902.
- Metallurgical and chemical process, Economic. J. E. Bucher. No. 1,086,019; Feb. 3; Gaz. vol. 199; p. 158.
- Metallurgical furnace. L. Addicks and C. L. Brower. No. 1,083,719; Jan. 6; Gaz. vol. 198; p. 153.
- Metallurgical furnace. H. Davison and L. C. Harvey. No. 1,118,534; Nov. 24; Gaz. vol. 208; p. 1191.
- Metallurgical furnace. J. E. Greenawalt. No. 1,103,196; July 14; Gaz. vol. 204; p. 388.
- Metallurgical furnace. H. D. Hibbard. No. 1,089,377; Mar. 3; Gaz. vol. 200; p. 238.
- Metallurgical furnace. E. McCabe. No. 1,109,241; Sept. 1; Gaz. vol. 206; p. 137.
- Metallurgical furnace. U. Wedge. No. 1,086,494; Feb. 10; Gaz. vol. 199; p. 364.
- Metallurgical furnace. U. Wedge. No. 1,094,953; Apr. 28; Gaz. vol. 201; p. 1101.
- Metallurgical furnace. U. Wedge. No. 1,094,954; Apr. 28; Gaz. vol. 201; p. 1102.
- Metallurgical furnace. U. Wedge. No. 1,115,263; Oct. 27; Gaz. vol. 207; p. 1136.
- Metallurgical furnace. U. Wedge. No. 1,119,483; Dec. 1; Gaz. vol. 209; p. 201.
- Metallurgical method. H. Kuzel and E. Wedekind. No. 1,088,909; Mar. 3; Gaz. vol. 200; p. 80.
- Metallurgical method. A. J. Rossi. No. 1,104,317; July 21; Gaz. vol. 204; p. 813.
- Metallurgical process. W. F. Bleeker. No. 1,094,114; Apr. 21; Gaz. vol. 201; p. 751.
- Metallurgical process. W. M. Johnson. No. 1,107,310; Aug. 18; Gaz. vol. 205; p. 693.
- Metatarsal adjuster. J. Harris. No. 1,091,931; Mar. 31; Gaz. vol. 200; p. 1282.
- Meter. See Condensation-meter; Electric meter; Electric test-meter; Flow-meter; Fluid-meter; Gas-meter; Gas and the like registering meter; Gasolene-meter; Grade-meter; Liquid-meter; Printing-meter; Recording flow-meter; Registering-meter; Service-meter; Type-writer meter; Voltmeter; Water-meter.
- Meter. J. M. Burton. No. 1,088,205; Feb. 24; Gaz. vol. 199; p. 1056.
- Meter. W. G. Carroll. No. 1,093,685; Apr. 21; Gaz. vol. 201; p. 610.
- Meter. H. Chrisman. No. 1,119,684; Dec. 1; Gaz. vol. 209; p. 270.
- Meter. M. Cornine. No. 1,108,140; Aug. 25; Gaz. vol. 205; p. 1034.
- Meter. G. Mason. No. 1,104,688; July 21; Gaz. vol. 204; p. 943.
- Meter. C. H. Taylor. No. 1,103,384; July 14; Gaz. vol. 204; p. 449.
- Meter and valve, Combined. A. A. Bowser. No. 1,096,148; May 12; Gaz. vol. 202; p. 367.
- Meter-box. W. Dennison. No. 1,101,908; June 30; Gaz. vol. 203; p. 1402.

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- Meter-box. H. M. Lofton. No. 1,107,532; Aug. 18; Gaz. vol. 205; p. 773.
- Meter-box. E. Rynearson. No. 1,092,400; Apr. 7; Gaz. vol. 201; p. 95.
- Meter-control panel-board. F. B. Adam. No. 1,099,683; June 9; Gaz. vol. 203; p. 495.
- Meter for measuring the flow of an elastic fluid. A. R. Dodge. No. 1,087,929; Feb. 24; Gaz. vol. 199; p. 958.
- Meter for measuring the flow of fluids. A. R. Dodge. No. 1,087,931; Feb. 24; Gaz. vol. 199; p. 959.
- Meter integrating and recording apparatus. F. N. Connet. No. 1,102,723; July 7; Gaz. vol. 204; p. 174.
- Meter mounting, Liquid-. A. Mass. No. 1,122,967; Dec. 29; Gaz. vol. 209; p. 1573.
- Meter or measuring instrument. J. E. Lea. No. 1,112,459; Oct. 6; Gaz. vol. 207; p. 16.
- Meter-reading device. R. B. Klapper. No. 1,093,193; Apr. 14; Gaz. vol. 201; p. 402.
- Meter-register. A. Gabus. No. 1,091,326; Mar. 24; Gaz. vol. 200; p. 1029.
- Meter-register compensating for pressure variations. R. G. Downins. (Reissue.) No. 13,760; June 30; Gaz. vol. 203; p. 1518.
- Meter system. H. Chrisman. No. 1,118,921; Dec. 1; Gaz. vol. 209; p. 5.
- Meter system. H. Chrisman. No. 1,120,905; Dec. 15; Gaz. vol. 209; p. 782.
- Meter system. T. C. Clifford. No. 1,119,401; Dec. 1; Gaz. vol. 209; p. 173.
- Meter-tester, Volumetric. J. F. Kidder. No. 1,103,882; July 14; Gaz. vol. 204; p. 624.
- Meter-testing cut-out. T. E. Murray. No. 1,090,489; Mar. 17; Gaz. vol. 200; p. 716.
- Meters, Bearing for electric. P. Eibig. No. 1,104,176; July 21; Gaz. vol. 204; p. 766.
- Metering device. H. Chrisman. No. 1,118,922; Dec. 1; Gaz. vol. 209; p. 6.
- Metering panel-switchboard. J. J. Wesley. No. 1,119,484; Dec. 1; Gaz. vol. 209; p. 201.
- Methyl chlorid. Manufacturing. B. S. Lacy. No. 1,111,842; Sept. 29; Gaz. vol. 206; p. 1212.
- Micrometer. W. L. Keefer. No. 1,100,573; June 16; Gaz. vol. 203; p. 836.
- Micrometer. L. S. Starrett. No. 1,098,694; June 2; Gaz. vol. 203; p. 116.
- Micrometer-adjusting mechanism for microscopes and other devices. P. H. F. Kaufmann. No. 1,110,266; Sept. 8; Gaz. vol. 206; p. 541.
- Micrometer back-gage for band-saws. E. C. Widemire. No. 1,116,656; Nov. 10; Gaz. vol. 208; p. 454.
- Micrometer-feed for tools. B. D. Jackson. No. 1,084,014; Jan. 13; Gaz. vol. 198; p. 279.
- Micrometer-gage. W. O'Brien. No. 1,111,030; Sept. 22; Gaz. vol. 206; p. 893.
- Micrometer-head. L. Cordier. No. 1,105,549; July 28; Gaz. vol. 204; p. 1293.
- Micrometer, Screw-. C. Joriot. No. 1,108,993; Sept. 1; Gaz. vol. 206; p. 48.
- Microphone. L. Ericson. No. 1,083,926; Jan. 13; Gaz. vol. 198; p. 248.
- Microphone repeater, Differential-. J. J. Comer. No. 1,089,534; Mar. 10; Gaz. vol. 200; p. 344.
- Microphones in parallel, Means for working. R. Goldschmidt. No. 1,088,018; Feb. 24; Gaz. vol. 199; p. 992.
- Microscope. W. L. Patterson. No. 1,115,011; Oct. 27; Gaz. vol. 207; p. 1047.
- Microscope. F. Pütz. No. 1,117,242; Nov. 17; Gaz. vol. 208; p. 698.
- Microscopes, Device for the fine adjustment of. F. Meyer. No. 1,106,956; Aug. 11; Gaz. vol. 205; p. 524.
- Mile, speed, curve, and danger indicator. M. J. Klein. No. 1,101,079; June 23; Gaz. vol. 203; p. 1066.
- Mileage-indicating apparatus. S. M. Cutter and J. F. McLaughlin. No. 1,089,695; Mar. 10; Gaz. vol. 200; p. 398.
- Milk and cream or the like, Apparatus for treating. T. L. Valerius. No. 1,088,113; Feb. 24; Gaz. vol. 199; p. 1025.
- Milk and milk products, Heating. E. F. W. Wieda. No. 1,092,616; Apr. 7; Gaz. vol. 201; p. 170.
- Milk and other liquids, Treating. G. M. S. Tait. No. 1,094,380; Apr. 21; Gaz. vol. 201; p. 837.
- Milk and product thereof, Stabilizing. G. W. McMullen. No. 1,086,385; Feb. 10; Gaz. vol. 199; p. 325.
- Milk-can. J. B. Conover and E. M. Peacock. No. 1,087,640; Feb. 17; Gaz. vol. 199; p. 816.
- Milk-can. J. B. Conover and E. M. Peacock. No. 1,087,641; Feb. 17; Gaz. vol. 199; p. 816.
- Milk-can, Vacuum. S. Le Sieur. No. 1,119,968; Dec. 8; Gaz. vol. 209; p. 403.
- Milk-can, Vacuum-jacketed. S. Le Sieur. No. 1,084,453; Jan. 13; Gaz. vol. 198; p. 424.
- Milk, Clarification of. B. R. Wright. No. 1,122,457; Dec. 29; Gaz. vol. 209; p. 1394.
- Milk-cooler. P. E. Cranston. No. 1,089,692; Mar. 10; Gaz. vol. 200; p. 397.
- Milk-cooler. E. R. McClure. No. 1,086,302; Feb. 3; Gaz. vol. 199; p. 251.
- Milk cooler and aerator. J. Jeppesen. No. 1,092,532; Apr. 7; Gaz. vol. 201; p. 141.
- Milk cooler and strainer. J. Miller. No. 1,115,713; Nov. 3; Gaz. vol. 208; p. 85.
- Milk cooler and strainer, Combined. C. Christensen. No. 1,114,964; Oct. 27; Gaz. vol. 207; p. 1030.
- Milk, Curdling. J. Brensike. No. 1,083,659; Jan. 6; Gaz. vol. 198; p. 133.
- Milk-drying apparatus. J. D. McIntyre. No. 1,122,142; Dec. 22; Gaz. vol. 209; p. 1248.
- Milk food product and making the same, Fermented-. A. H. Thoumaian. No. 1,101,044; June 23; Gaz. vol. 203; p. 1055.
- Milk, Holding device for pasteurizing. A. B. Gardiner, Jr. No. 1,086,814; Feb. 10; Gaz. vol. 199; p. 477.
- Milk or cream, Pasteurizing. C. E. Rogers. No. 1,095,231; May 5; Gaz. vol. 202; p. 20.
- Milk or cream sampling device. N. Erickson. No. 1,108,561; Aug. 25; Gaz. vol. 205; p. 1181.
- Milk-pan, Self-skimming. H. C. Harris. No. 1,089,552; Mar. 10; Gaz. vol. 200; p. 349.
- Milk pasteurizing and cooling apparatus. S. Shapiro. No. 1,108,404; Aug. 25; Gaz. vol. 205; p. 1126.
- Milk product and making the same, Soy-. L. J. Monahan and C. J. Pope. No. 1,104,376; July 21; Gaz. vol. 204; p. 835.
- Milk-protector, Sanitary. C. E. Nary. No. 1,114,632; Oct. 20; Gaz. vol. 207; p. 858.
- Milk-receptacle cover. C. H. Straight. No. 1,116,950; Nov. 10; Gaz. vol. 208; p. 555.
- Milk-releaser. A. Storrie. No. 1,109,370; Sept. 1; Gaz. vol. 206; p. 183.
- Milk-retarder. G. W. Field. No. 1,099,790; June 9; Gaz. vol. 203; p. 530.
- Milk-sheet and record holder. C. A. Brimmer. No. 1,099,015; June 2; Gaz. vol. 203; p. 222.
- Milk-tank washer and sterilizer. F. H. Green. No. 1,094,785; Apr. 28; Gaz. vol. 201; p. 1042.
- Milk-tanks and the like, Agitator for. C. H. Hood. No. 1,111,715; Sept. 22; Gaz. vol. 206; p. 1130.
- Milker, Cow-. K. A. Tervo. No. 1,105,468; July 28; Gaz. vol. 204; p. 1266.
- Milking apparatus. O. G. Rieske. No. 1,106,846; Aug. 11; Gaz. vol. 205; p. 484.
- Milking apparatus, Cow-. G. A. Brodie. No. 1,113,170; Oct. 6; Gaz. vol. 207; p. 262.
- Milking-apparatus pulsating device. L. Dinesen. No. 1,117,169; Nov. 17; Gaz. vol. 208; p. 671.
- Milking cows, Means for the prevention of kicking by. E. Wagner. No. 1,106,996; Aug. 11; Gaz. vol. 205; p. 535.
- Milking device. M. Goehler. No. 1,093,845; Apr. 21; Gaz. vol. 201; p. 662.
- Milking device. D. E. Howatt. No. 1,117,849; Nov. 17; Gaz. vol. 208; p. 912.
- Milking device. W. Lübke. No. 1,089,932; Mar. 10; Gaz. vol. 200; p. 481.
- Milking-machine. O. Anderson. No. 1,113,942; Oct. 20; Gaz. vol. 207; p. 616.
- Milking-machine. O. Anderson. No. 1,118,257; Nov. 24; Gaz. vol. 208; p. 1091.
- Milking-machine. O. Anderson. No. 1,118,258; Nov. 24; Gaz. vol. 208; p. 1091.
- Milking-machine. C. M. Anderson. No. 1,119,214; Dec. 1; Gaz. vol. 209; p. 110.
- Milking-machine. I. K. Browning. No. 1,116,379; Nov. 10; Gaz. vol. 208; p. 352.
- Milking-machine. L. Burrell. No. 1,111,562; Sept. 22; Gaz. vol. 206; p. 1076.
- Milking-machine. J. C. Gordon. No. 1,106,202; Aug. 4; Gaz. vol. 205; p. 215.
- Milking-machine. F. G. Johansson and E. A. O. Göthe. No. 1,122,762; Dec. 29; Gaz. vol. 209; p. 1500.
- Milking-machine. H. C. Judson. No. 1,094,720; Apr. 28; Gaz. vol. 201; p. 1021.
- Milking-machine. A. Klein. No. 1,109,994; Sept. 8; Gaz. vol. 206; p. 444.
- Milking-machine. K. I. Lindström. No. 1,103,974; July 21; Gaz. vol. 204; p. 697.
- Milking-machine. K. K. McLeod. No. 1,120,072; Dec. 8; Gaz. vol. 209; p. 439.
- Milking-machine. V. Sobush. No. 1,091,974; Mar. 31; Gaz. vol. 200; p. 1296.
- Milking-machine. W. J. Uebler. No. 1,111,978; Sept. 29; Gaz. vol. 206; p. 1256.
- Milking-machine. W. J. Uebler. No. 1,112,949; Oct. 6; Gaz. vol. 207; p. 187.
- Milking-machine, Cow-. A. V. and R. L. Hinman. No. 1,097,803; May 26; Gaz. vol. 202; p. 1028.
- Milking-machine operated by compressed air or the like. F. J. Johansson and E. A. O. Göthe. No. 1,116,708; Nov. 10; Gaz. vol. 208; p. 472.
- Milking-machine releaser. W. R. Cockburn. No. 1,121,069; Dec. 15; Gaz. vol. 209; p. 839.
- Milking-machine releaser. A. W. Reid. No. 1,119,536; Dec. 1; Gaz. vol. 209; p. 220.
- Milking-machine teat-cup. J. L. Hulbert. No. 1,089,838; Mar. 10; Gaz. vol. 200; p. 447.
- Milking-machines, Milk-releasing means in vacuum-operated. J. H. Cornish. No. 1,116,021; Nov. 3; Gaz. vol. 208; p. 190.

Alphabetical list of inventions—Continued.

- Milking-machines, Suction-cup for. O. A. Moldenhauer. No. 1,105,681; Aug. 4; Gaz. vol. 205; p. 33.
- Milking-machines, Valve for. C. Sounsen. No. 1,109,800; Sept. 8; Gaz. vol. 206; p. 372.
- Milking, Mechanical. O. Anderson. No. 1,113,943; Oct. 20; Gaz. vol. 207; p. 617.
- Milking, Mechanically. J. L. Hulbert. No. 1,089,839; Mar. 10; Gaz. vol. 200; p. 447.
- Milking vessel, Sanitary. I. E. Bradshaw. No. 1,104,773; July 28; Gaz. vol. 204; p. 1022.
- Mill: See Attrition-mill; Ball-mill; Barking-mill; Cane-mill; Cane and like mill; Chilean mill; Coffee-granulating mill; Crushing-mill; Grinding and grinding mill; Edging-mill; Fanning-mill; Grain-cleaning mill; Grinding-mill; Ore stamp-mill; Paint-mill; Pulverizing-mill; Quartz-mill; Roller-mill; Rolling-mill; Sawmill; Sugar-mill; Sugar-cane mill; Tube-mill; Wheel-forging mill; Windmill.
- Mill, J. D. Marshall. No. 1,109,932; Sept. 8; Gaz. vol. 206; p. 422.
- Mill for grinding grains and nuts. P. Oehmig. No. 1,095,516; May 5; Gaz. vol. 202; p. 118.
- Mill governor, Feed-. E. Herr. No. 1,088,576; Feb. 24; Gaz. vol. 199; p. 1178.
- Mill-lubricating system, Rotary-. P. Ogden. No. 1,107,830; Aug. 18; Gaz. vol. 205; p. 878.
- Mill-roll, Hot. M. Gaigon. No. 1,117,022; Nov. 10; Gaz. vol. 208; p. 581.
- Mill rolls, Re-covering cotton-. J. B. Hudson. No. 1,103,772; July 14; Gaz. vol. 204; p. 587.
- Mill-table. J. Kennedy. No. 1,094,219; Apr. 21; Gaz. vol. 201; p. 787.
- Mills, Feeding mechanism for reducing-. A. P. Cooper and M. C. Peters. No. 1,099,537; June 9; Gaz. vol. 203; p. 444.
- Mills, Grinding-plate for. J. G. Bryant. No. 1,114,339; Oct. 20; Gaz. vol. 207; p. 757.
- Mills, Journal-box for rotary. M. F. Williams. No. 1,111,342; Sept. 22; Gaz. vol. 206; p. 1001.
- Mills, Lining for ball or pebble. H. A. Hansen and J. M. Schmueser. No. 1,083,400; Jan. 6; Gaz. vol. 198; p. 48.
- Mills, Roller for sugar-cane. H. W. Aitken. No. 1,114,426; Oct. 20; Gaz. vol. 207; p. 789.
- Milling alfalfa-hay, Apparatus for. S. C. Roberts. No. 1,092,801; Apr. 7; Gaz. vol. 201; p. 232.
- Milling-cutter for woodwork. H. Bebié and H. Koch. No. 1,100,667; June 16; Gaz. vol. 203; p. 866.
- Milling-cutter or abrasive-wheel profile generator. P. Brown and F. J. Bostock. No. 1,100,524; June 16; Gaz. vol. 203; p. 820.
- Milling-machine. A. T. Hedfeldt. No. 1,094,069; Apr. 21; Gaz. vol. 201; p. 737.
- Milling-machine. W. R. Lakey. No. 1,085,921; Feb. 3; Gaz. vol. 199; p. 120.
- Milling-machine. W. R. Lakey. No. 1,085,922; Feb. 3; Gaz. vol. 199; p. 121.
- Milling-machine. G. W. Smith. No. 1,094,940; Apr. 28; Gaz. vol. 201; p. 1096.
- Milling-machine-cutter coupling. J. Goetz. No. 1,104,044; July 21; Gaz. vol. 204; p. 721.
- Milling-machine head. S. S. Bolton. No. 1,089,527; Mar. 10; Gaz. vol. 200; p. 342.
- Milling-machine knees, Lubricating system for. J. Goetz, W. K. Buxbaum, and F. A. Parsons. No. 1,087,365; Feb. 17; Gaz. vol. 199; p. 717.
- Milling-machine, Portable universal. G. E. Miller and E. B. Cantrell. No. 1,107,221; Aug. 11; Gaz. vol. 205; p. 615.
- Milling-machine saddles, Lubricating system for. J. Goetz, W. K. Buxbaum, and F. A. Parsons. No. 1,087,364; Feb. 17; Gaz. vol. 199; p. 716.
- Milling-machine stock-holding attachment. W. C. Adams. No. 1,116,342; Nov. 3; Gaz. vol. 208; p. 298.
- Milling-machine work-support. P. Brown and F. J. Bostock. No. 1,100,522; June 16; Gaz. vol. 203; p. 819.
- Milling-machines, Lubricator for table-bearings of. J. Goetz, W. K. Buxbaum, and F. A. Parsons. No. 1,097,221; May 19; Gaz. vol. 202; p. 781.
- Milling wheat and other grains, Determining percentages and making test runs in. S. M. Pollock. No. 1,117,963; Nov. 17; Gaz. vol. 208; p. 950.
- Millstone. T. L. and T. J. Sturtevant. No. 1,111,043; Sept. 22; Gaz. vol. 206; p. 897.
- Milliner's iron. A. J. Eilau. No. 1,102,399; July 7; Gaz. vol. 204; p. 62.
- Milo-header. R. L. David. No. 1,084,403; Jan. 13; Gaz. vol. 198; p. 409.
- Mimeograph, Hand-. J. O. Hopwood. No. 1,113,634; Oct. 13; Gaz. vol. 207; p. 468.
- Mine-cages, Safety-lock for self-dumping. W. J. Phelan. No. 1,085,297; Jan. 27; Gaz. vol. 198; p. 778.
- Mine-door. J. F. Dillon. No. 1,107,045; Aug. 11; Gaz. vol. 205; p. 551.
- Mine-door. J. K. Orr and L. F. Jones. No. 1,090,562; Mar. 17; Gaz. vol. 200; p. 741.
- Mine-door closer. T. Ramsay. No. 1,100,690; June 16; Gaz. vol. 203; p. 874.
- Mine drilling and channeling machine. L. J. Daft. No. 1,108,342; Aug. 25; Gaz. vol. 205; p. 1104.
- Mine explosions, Apparatus for localizing the effect of. J. F. Balfour. No. 1,102,228; July 7; Gaz. vol. 204; p. 3.
- Mine-finder. F. Bündgens. No. 1,094,700; Apr. 28; Gaz. vol. 201; p. 1013.
- Mine, Floating submarine. J. G. Lindmark. No. 1,120,621; Dec. 8; Gaz. vol. 209; p. 635.
- Mine-hoists, Safety appliance for. W. E. Housman. No. 1,100,304; June 16; Gaz. vol. 203; p. 746.
- Mine-shaft safety appliance. W. E. Housman and G. E. Huttelmaier. No. 1,100,184; June 16; Gaz. vol. 203; p. 704.
- Mine-skips, Limber-pin for. C. H. Sawyer and J. Bowditch. No. 1,092,750; Apr. 7; Gaz. vol. 201; p. 216.
- Mine, Submarine. G. E. Elia. No. 1,092,143; Apr. 7; Gaz. vol. 201; p. 7.
- Mine, Submarine. G. E. Elia. No. 1,092,702; Apr. 7; Gaz. vol. 201; p. 199.
- Mine, Submarine. G. E. Elia. No. 1,096,698; May 12; Gaz. vol. 202; p. 553.
- Mine-ventilating apparatus. W. Clifford. No. 1,107,264; Aug. 18; Gaz. vol. 205; p. 678.
- Mine-washing apparatus. C. H. Boardman. No. 1,091,910; Mar. 31; Gaz. vol. 200; p. 1275.
- Mines, Anchor for submarine. G. E. Elia. No. 1,095,831; May 5; Gaz. vol. 202; p. 224.
- Mines, Conduit system for. L. Zwiesler. No. 1,120,880; Dec. 15; Gaz. vol. 209; p. 773.
- Mines, Device for signaling the presence of explosive gas mixtures in fire-damp. H. Neubauer. No. 1,088,611; Feb. 24; Gaz. vol. 199; p. 1189.
- Mines, Exhaust apparatus for. B. Puskás. No. 1,083,758; Jan. 6; Gaz. vol. 198; p. 166.
- Mines, Mooring apparatus for submarine. F. A. H. Harlé. No. 1,103,510; July 14; Gaz. vol. 204; p. 492.
- Mines, Portable signal apparatus for. J. W. Paul. No. 1,102,793; July 7; Gaz. vol. 204; p. 199.
- Mines, Sprinkling-car for. J. J. Harris. No. 1,093,268; Apr. 14; Gaz. vol. 201; p. 428.
- Miner's auger. J. Underation. No. 1,104,231; July 21; Gaz. vol. 204; p. 784.
- Miner's drill-securing device. J. W. Shallenberger. No. 1,115,594; Nov. 3; Gaz. vol. 208; p. 43.
- Mining and loading apparatus. F. Billings. No. 1,095,786; May 5; Gaz. vol. 202; p. 209.
- Mining and loading apparatus. E. C. Morgan. No. 1,116,358; Nov. 3; Gaz. vol. 208; p. 303.
- Mining and loading machine. E. C. Morgan. No. 1,116,359; Nov. 3; Gaz. vol. 208; p. 304.
- Mining apparatus, Coal-. E. C. Morgan. No. 1,116,356; Nov. 3; Gaz. vol. 208; p. 303.
- Mining-cage safety apparatus. S. W. Richardson and W. Staveley. No. 1,103,841; July 14; Gaz. vol. 204; p. 609.
- Mining coal. E. C. Morgan. No. 1,116,355; Nov. 3; Gaz. vol. 208; p. 303.
- Mining-machine. J. A. Brantley. No. 1,114,439; Oct. 20; Gaz. vol. 207; p. 794.
- Mining-machine. C. E. Davis. No. 1,121,002; Dec. 15; Gaz. vol. 209; p. 815.
- Mining-machine. A. H. Gibson. No. 1,096,031; May 12; Gaz. vol. 202; p. 328.
- Mining-machine. H. A. Kuhn and W. W. Macfarren. No. 1,107,239; Aug. 11; Gaz. vol. 205; p. 621.
- Mining-machine. G. E. Lynch. No. 1,113,160; Oct. 6; Gaz. vol. 207; p. 258.
- Mining-machine. S. M. and H. A. Mavor. No. 1,100,597; June 16; Gaz. vol. 203; p. 843.
- Mining-machine. E. C. Morgan. No. 1,116,354; Nov. 3; Gaz. vol. 208; p. 302.
- Mining-machine. F. L. Sessions. No. 1,112,332; Sept. 29; Gaz. vol. 206; p. 1379.
- Mining-machine. F. L. Sessions. No. 1,122,034; Dec. 22; Gaz. vol. 209; p. 1213.
- Mining-machine chuck. F. Nugent. No. 1,109,865; Sept. 8; Gaz. vol. 206; p. 397.
- Mining-machine cutter-head. J. Tuck. No. 1,084,871; Jan. 20; Gaz. vol. 198; p. 596.
- Mining-machine grizzly. O. H. Briggs. No. 1,098,934; June 2; Gaz. vol. 203; p. 197.
- Mining machine, Placer-. A. E. Custer. No. 1,121,985; Dec. 22; Gaz. vol. 209; p. 1195.
- Mining-machine strainer. A. E. Maher. No. 1,103,306; July 14; Gaz. vol. 204; p. 424.
- Mining salt, Method and apparatus for. C. S. Bradley. No. 1,121,225; Dec. 15; Gaz. vol. 209; p. 894.
- Mining-screen. H. A. Megraw. No. 1,090,933; Mar. 24; Gaz. vol. 200; p. 896.
- Mining-shaft. C. B. Rowley. No. 1,100,622; June 16; Gaz. vol. 203; p. 852.
- Mining system, Coal-. E. C. Morgan. No. 1,116,357; Nov. 3; Gaz. vol. 208; p. 303.
- Mineral and metallic substances which are to be united by pressure, Preliminarily treating. Á. Rónay. No. 1,087,183; Feb. 17; Gaz. vol. 199; p. 652.
- Mineral-washing apparatus. J. Dodds. No. 1,091,047; Mar. 24; Gaz. vol. 200; p. 936.
- Minerals and extracting metal, Treatment of. B. Junquera. No. 1,102,339; July 7; Gaz. vol. 204; p. 41.

Alphabetical list of inventions—Continued.

- Minerals and metals with molten metal, Mixing. S. L. Boggs. No. 1,083,724; Jan. 6; Gaz. vol. 198; p. 155.
- Mirror. A. R. Ballard. No. 1,121,785; Dec. 22; Gaz. vol. 209; p. 1123.
- Mirror. I. H. Markowitz. No. 1,116,718; Nov. 10; Gaz. vol. 208; p. 474.
- Mirror. C. W. Wiegand. No. 1,092,965; Apr. 14; Gaz. vol. 201; p. 323.
- Mirror, Adjustable. C. L. Fitchett. No. 1,106,503; Aug. 11; Gaz. vol. 205; p. 364.
- Mirror and lamp, Combined toilet. W. E. Ward. No. 1,120,773; Dec. 15; Gaz. vol. 209; p. 736.
- Mirror attachment for broughams, &c. G. Taylor. No. 1,120,654; Dec. 8; Gaz. vol. 209; p. 646.
- Mirror-frame, Folding. L. A. Miller. No. 1,113,034; Oct. 6; Gaz. vol. 207; p. 216.
- Mirror, Hat-. J. R. Bett. No. 1,104,608; July 21; Gaz. vol. 204; p. 916.
- Mirror periscope, Annular-. J. Humbrecht. No. 1,085,611; Feb. 3; Gaz. vol. 199; p. 11.
- Mirror pivotal support. A. A. Anderson. No. 1,116,782; Nov. 10; Gaz. vol. 208; p. 497.
- Mirror, Portable. A. Z. Hirsch. No. 1,121,585; Dec. 15; Gaz. vol. 209; p. 1018.
- Mirror support for dressers, Swinging-. J. Booth. No. 1,088,765; Mar. 3; Gaz. vol. 200; p. 31.
- Mirror, Toilet-. J. A. Olbon. No. 1,105,039; July 28; Gaz. vol. 204; p. 1113.
- Mirrors for wardrobes and dressers, Swinging. J. Booth. No. 1,088,764; Mar. 3; Gaz. vol. 200; p. 31.
- Mirrors, windows, and the like, Compound for decorating. E. Leimberger. No. 1,088,351; Feb. 24; Gaz. vol. 199; p. 1105.
- Miter. *See* Gutter-miter.
- Miter-box. L. D. Fletcher. No. 1,097,795; May 26; Gaz. vol. 202; p. 1026.
- Miter-box. C. C. Gladwin. No. 1,089,761; Mar. 10; Gaz. vol. 200; p. 421.
- Miter-box. J. Hellman. No. 1,106,044; Aug. 4; Gaz. vol. 205; p. 161.
- Miter-box. W. E. Kawalle. No. 1,092,576; Apr. 7; Gaz. vol. 201; p. 155.
- Miter-box. W. E. Kawalle. No. 1,115,832; Nov. 3; Gaz. vol. 208; p. 123.
- Miter-box. G. Swanson. No. 1,096,072; May 12; Gaz. vol. 202; p. 342.
- Miter-joint fastener. W. Goodrow. No. 1,089,360; Mar. 3; Gaz. vol. 200; p. 233.
- Miter-tool. S. Hammer. No. 1,095,149; Apr. 28; Gaz. vol. 201; p. 1167.
- Mitering-machine. J. Weigand. No. 1,098,465; June 2; Gaz. vol. 203; p. 38.
- Mitt, Base-ball. T. D. Hooper, Jr. No. 1,087,292; Feb. 17; Gaz. vol. 199; p. 692.
- Mitten, Bath-. T. J. Diamond. No. 1,091,880; Mar. 31; Gaz. vol. 200; p. 1265.
- Mitten or glove, Reversible. H. Gillian. No. 1,118,758; Nov. 24; Gaz. vol. 208; p. 1267.
- Mixer. *See* Batter-mixer; Butterin-mixer; Cake-mixer; Chemical-mixer; Coffee and tea mixer; Comminuted-material mixer; Concrete-mixer; Fertilizer-mixer; Fluid-mixer; Food-mixer; Fuel-mixer; Gas-mixer; Gas and air mixer; Liquid-mixer; Mortar-mixer; Paint-mixer; Rotary mixer.
- Mixer. W. H. Fulton. No. 1,085,858; Feb. 3; Gaz. vol. 199; p. 99.
- Mixer. R. M. Temple. No. 1,120,563; Dec. 8; Gaz. vol. 209; p. 614.
- Mixer. G. E. Whitney. No. 1,109,725; Sept. 8; Gaz. vol. 206; p. 348.
- Mixer, retort, and digester. O. T. Zinkeisen and R. N. Riddle. No. 1,086,432; Feb. 10; Gaz. vol. 199; p. 342.
- Mixer, weigher, and sifter, Combined. S. Toda. No. 1,121,310; Dec. 15; Gaz. vol. 209; p. 923.
- Mixing and sifting machine. S. L. Harwood. No. 1,086,914; Feb. 10; Gaz. vol. 199; p. 511.
- Mixing apparatus. W. H. Doty. No. 1,122,876; Dec. 29; Gaz. vol. 209; p. 1543.
- Mixing apparatus. L. A. Thompson. No. 1,087,152; Feb. 17; Gaz. vol. 199; p. 642.
- Mixing apparatus. U. Wedge. No. 1,116,182; Nov. 3; Gaz. vol. 208; p. 244.
- Mixing device. G. Crerar. No. 1,119,405; Dec. 1; Gaz. vol. 209; p. 175.
- Mixing device. W. L. Daly. No. 1,122,260; Dec. 29; Gaz. vol. 209; p. 1329.
- Mixing device. S. and E. A. Hoefer. No. 1,106,447; Aug. 11; Gaz. vol. 205; p. 342.
- Mixing-machine. A. J. Cropp. No. 1,097,846; May 26; Gaz. vol. 202; p. 1042.
- Mixing-machine. E. C. Cummings. No. 1,096,098; May 12; Gaz. vol. 202; p. 350.
- Mixing-machine. B. B. Farnham. No. 1,105,555; July 28; Gaz. vol. 204; p. 1295.
- Mixing-machine. H. Hackstedde. No. 1,085,730; Feb. 3; Gaz. vol. 199; p. 53.
- Mixing-machine. G. F. Hutchings and C. A. Woody. No. 1,092,771; Apr. 7; Gaz. vol. 201; p. 222.
- Mixing-machine. A. McKaig. No. 1,105,812; Aug. 4; Gaz. vol. 205; p. 79.
- Mixing-machine. A. A. Merrill. No. 1,102,348; July 7; Gaz. vol. 204; p. 44.
- Mixing-machine. T. J. Sturtevant. No. 1,122,659; Dec. 29; Gaz. vol. 209; p. 1465.
- Mixing-machine. T. J. Sturtevant. No. 1,122,660; Dec. 29; Gaz. vol. 209; p. 1466.
- Mixing-machine, Rotary. J. S. Owens. No. 1,093,723; Apr. 21; Gaz. vol. 201; p. 623.
- Mixing-machines, Bearing and packing gland for. D. J. Hanna and F. H. Van Houten. No. 1,093,620; Apr. 21; Gaz. vol. 201; p. 585.
- Mixing unit for fluids. F. G. Crone. No. 1,095,555; May 5; Gaz. vol. 202; p. 132.
- Mixture-regulator. O. Winkler. No. 1,086,112; Feb. 3; Gaz. vol. 199; p. 192.
- Mixtures containing nitrids, Purification of. C. Bosch and A. Mittasch. No. 1,102,715; July 7; Gaz. vol. 204; p. 172.
- Moccasin. T. Luzenski. No. 1,102,279; July 7; Gaz. vol. 204; p. 20.
- Model-building material for educational purposes and games. R. Röthig. No. 1,106,162; Aug. 4; Gaz. vol. 205; p. 202.
- Moistener. W. Holt. No. 1,099,974; June 16; Gaz. vol. 203; p. 631.
- Moistener. C. H. Nordike. No. 1,098,549; June 2; Gaz. vol. 203; p. 36.
- Moistener and sealer, Envelop. C. H. Draper. No. 1,109,118; Sept. 1; Gaz. vol. 206; p. 92.
- Moistener, Envelop-. J. M. Brooks. No. 1,092,688; Apr. 7; Gaz. vol. 201; p. 194.
- Moistener, Envelop-. E. R. Dye. No. 1,122,266; Dec. 29; Gaz. vol. 209; p. 1331.
- Moistener, Envelop-. C. T. Humphrey. No. 1,117,387; Nov. 17; Gaz. vol. 208; p. 749.
- Moistener, Envelop-. M. J. Shiley. No. 1,099,945; June 16; Gaz. vol. 203; p. 620.
- Moistener, Stamp and envelop. C. E. Carley. No. 1,084,605; Jan. 20; Gaz. vol. 198; p. 503.
- Moistening and sealing device, Envelop. J. J. Quigley. No. 1,086,081; Feb. 3; Gaz. vol. 199; p. 181.
- Moistening and sealing machine, Envelop. W. J. Brown. No. 1,122,851; Dec. 29; Gaz. vol. 209; p. 1533.
- Moistening apparatus. M. J. Buckley. No. 1,087,919; Feb. 24; Gaz. vol. 199; p. 954.
- Moistening apparatus, Yarn-. V. E. Mertz. No. 1,103,806; July 14; Gaz. vol. 204; p. 599.
- Moistening attachment for corner-staying machines. C. H. Crowell. No. 1,110,380; Sept. 15; Gaz. vol. 206; p. 621.
- Moistening device. E. C. Thorschmidt. No. 1,101,719; June 30; Gaz. vol. 203; p. 1335.
- Moistening device, Envelop-. E. E. Hill. No. 1,111,537; Sept. 22; Gaz. vol. 206; p. 1067.
- Moistening-machine. F. B. Comins. No. 1,110,746; Sept. 15; Gaz. vol. 206; p. 751.
- Moistening-machine. C. H. Crowell. No. 1,095,142; Apr. 28; Gaz. vol. 201; p. 1165.
- Moistening machine, Gummed-tape-. S. Brown. No. 1,110,667; Sept. 15; Gaz. vol. 206; p. 724.
- Moistening machine, Gummed-tape-. S. Brown. No. 1,111,434; Sept. 22; Gaz. vol. 206; p. 1031.
- Moistening machine, Tape-. C. L. Moon and I. Bell. No. 1,100,900; June 23; Gaz. vol. 203; p. 1002.
- Moistening method and apparatus, Yarn-. O. H. Cilley. No. 1,090,971; Mar. 24; Gaz. vol. 200; p. 909.
- Moistening shoes, Apparatus for. J. H. Johnson. No. 1,117,852; Nov. 17; Gaz. vol. 208; p. 913.
- Moisture-proof box. J. Wymore. No. 1,094,289; Apr. 21; Gaz. vol. 201; p. 808.
- Moisture-proof twin socket. R. B. Benjamin. No. 1,102,640; July 7; Gaz. vol. 204; p. 148.
- Moisture-removing device. W. G. Hassel and R. W. Zedlitz. No. 1,092,526; Apr. 7; Gaz. vol. 201; p. 139.
- Mold. *See* Asbestos-cement mold; Beam-mold; Block-mold; Bottle-mold; Briquet-mold; Cement-beam mold; Chain-mold; Cigar-mold; Collapsible mold; Column-mold; Column-top mold; Concrete-mold; Concrete-construction mold; Concrete-fence-post mold; Concrete-pipe mold; Concrete-sluice mold; Concrete-structure mold; Concrete-wall mold; Conduit-mold; Cork-board mold; Cushion-mold; Expandible mold; Fence-post mold; Glass-plate-shaping mold; Ice-cream center-mold; Ingot-mold; Linotype-mold; Matrix-mold; Metal mold; Plastic-material mold; Post-mold; Silo-mold; Tire-mold; Tire-vulcanizing mold; Trap-mold; Type-mold; Typograph-mold; Vault-mold; Wall-mold.
- Mold. M. Boal. No. 1,095,791; May 5; Gaz. vol. 202; p. 212.
- Mold. F. W. Case and W. H. Burnworth. No. 1,106,625; Aug. 11; Gaz. vol. 205; p. 408.
- Mold. W. W. Doolittle. No. 1,104,971; July 28; Gaz. vol. 204; p. 1090.
- Mold. N. Fryman. No. 1,096,165; May 12; Gaz. vol. 202; p. 373.
- Mold. L. G. Haase. No. 1,118,855; Nov. 24; Gaz. vol. 208; p. 1300.
- Mold. J. R. Harper. No. 1,120,478; Dec. 8; Gaz. vol. 209; p. 584.
- Mold. S. I. Haskell. No. 1,114,758; Oct. 27; Gaz. vol. 207; p. 956.

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- Mold. G. P. Kline. No. 1,100,831; June 23; Gaz. vol. 203; p. 978.
- Mold. I. W. Kyle. No. 1,108,504; Aug. 25; Gaz. vol. 205; p. 1161.
- Mold. F. P. Martin. No. 1,106,661; Aug. 11; Gaz. vol. 205; p. 421.
- Mold. P. B. Motley. No. 1,093,874; Apr. 21; Gaz. vol. 201; p. 671.
- Mold. H. B. Prosser. No. 1,090,566; Mar. 17; Gaz. vol. 200; p. 742.
- Mold. J. T. Rowley. No. 1,112,937; Oct. 6; Gaz. vol. 207; p. 183.
- Mold. B. Schverma. No. 1,113,142; Oct. 6; Gaz. vol. 207; p. 251.
- Mold. J. Thibadeau. No. 1,091,901; Mar. 31; Gaz. vol. 200; p. 1271.
- Mold. D. Y. Tomlinson. No. 1,115,618; Nov. 3; Gaz. vol. 208; p. 51.
- Mold. J. R. Zeiser. No. 1,092,622; Apr. 7; Gaz. vol. 201; p. 172.
- Mold-carriage. H. H. De Loss. No. 1,083,996; Jan. 13; Gaz. vol. 198; p. 273.
- Mold-clamp. M. J. Killits. No. 1,099,055; June 2; Gaz. vol. 203; p. 234.
- Mold-clamping device. H. H. Lampert. No. 1,109,295; Sept. 1; Gaz. vol. 206; p. 155.
- Mold-extracting apparatus. W. H. Ford. No. 1,118,194; Nov. 24; Gaz. vol. 208; p. 1070.
- Mold-filling apparatus. I. L. Conkling. No. 1,085,973; Feb. 3; Gaz. vol. 199; p. 140.
- Mold for earthenware. A. Foltz. No. 1,087,007; Feb. 10; Gaz. vol. 199; p. 541.
- Mold for ornamental surfaces. C. F. Fleck. No. 1,101,020; June 23; Gaz. vol. 203; p. 1046.
- Mold-jacket, Adjustable. J. L. Nute. No. 1,096,449; May 12; Gaz. vol. 202; p. 470.
- Mold-making apparatus. G. E. Burns. No. 1,098,311; May 26; Gaz. vol. 202; p. 1206.
- Mold-making machine. H. R. Atwater. No. 1,117,153; Nov. 17; Gaz. vol. 208; p. 665.
- Mold-making machine. W. C. Lang. No. 1,093,439; Apr. 14; Gaz. vol. 201; p. 485.
- Mold-wiper. E. F. Goddard. No. 1,108,358; Aug. 25; Gaz. vol. 205; p. 1109.
- Molds and the like, Filling. I. L. Conkling. No. 1,111,736; Sept. 29; Gaz. vol. 206; p. 1170.
- Molds, Apparatus for forming pouring-gates for. W. Mills. No. 1,112,465; Oct. 6; Gaz. vol. 207; p. 18.
- Moldboard. J. S. Ferris. No. 1,083,606; Jan. 6; Gaz. vol. 198; p. 115.
- Molded-object lifter. R. E. Hunn. No. 1,113,122; Oct. 6; Gaz. vol. 207; p. 244.
- Molder's flask. O. R. Berger. No. 1,100,049; June 16; Gaz. vol. 203; p. 656.
- Molder's flask. W. Seidel. No. 1,108,630; Aug. 25; Gaz. vol. 205; p. 1204.
- Molder's flask. W. R. Swift. No. 1,120,759; Dec. 15; Gaz. vol. 209; p. 730.
- Molder's-flask hinge. W. J. Doyle. No. 1,102,573; July 7; Gaz. vol. 204; p. 124.
- Molders' sand, Apparatus for mixing and screening. G. H. Martin. No. 1,089,238; Mar. 3; Gaz. vol. 200; p. 194.
- Molder's - sand - cutting machine. R. G. Kissel. No. 1,084,450; Jan. 13; Gaz. vol. 198; p. 423.
- Molding. W. R. Friedel. No. 1,113,896; Oct. 13; Gaz. vol. 207; p. 561.
- Molding and compression machine, Rotary. V. Karbowsky. No. 1,112,455; Oct. 6; Gaz. vol. 207; p. 14.
- Molding and vulcanizing machine. H. J. Doughty. No. 1,101,732; June 30; Gaz. vol. 203; p. 1340.
- Molding apparatus. M. J. Hewlett and H. L. Demmler. No. 1,086,824; Feb. 10; Gaz. vol. 199; p. 480.
- Molding apparatus. E. H. Mumford. No. 1,122,409; Dec. 29; Gaz. vol. 209; p. 1377.
- Molding apparatus. T. Ragan and H. E. Bumby. No. 1,083,944; Jan. 13; Gaz. vol. 198; p. 254.
- Molding apparatus. E. Ronceray. No. 1,091,019; Mar. 24; Gaz. vol. 200; p. 927.
- Molding apparatus. R. R. Rust. No. 1,119,727; Dec. 1; Gaz. vol. 209; p. 283.
- Molding apparatus. P. Wolff and A. Jäger. No. 1,095,764; May 5; Gaz. vol. 202; p. 202.
- Molding apparatus, Multiplex. B. Keller. No. 1,105,911; Aug. 4; Gaz. vol. 205; p. 113.
- Molding-box. J. Blum. No. 1,084,309; Jan. 13; Gaz. vol. 198; p. 380.
- Molding-box. W. Kurze. No. 1,094,447; Apr. 28; Gaz. vol. 201; p. 922.
- Molding-flask. F. J. Becker. No. 1,096,668; May 12; Gaz. vol. 202; p. 543.
- Molding-flask. F. J. Becker. No. 1,100,943; June 23; Gaz. vol. 203; p. 1020.
- Molding-flask. J. C. Dupler. No. 1,086,035; Feb. 3; Gaz. vol. 199; p. 164.
- Molding-flask. P. Fray. No. 1,110,679; Sept. 15; Gaz. vol. 206; p. 728.
- Molding-flask. H. E. Thompson. No. 1,104,085; July 21; Gaz. vol. 204; p. 735.
- Molding-flask guide. W. Partridge. No. 1,106,674; Aug. 11; Gaz. vol. 205; p. 425.
- Molding-jacket. C. O. Wood. No. 1,101,160; June 23; Gaz. vol. 203; p. 1093.
- Molding-machine. A. Brake. No. 1,099,012; June 2; Gaz. vol. 203; p. 221.
- Molding-machine. J. W. Brown, Jr. No. 1,096,675; May 12; Gaz. vol. 202; p. 545.
- Molding-machine. A. Colton and B. W. Scott. No. 1,111,879; Sept. 29; Gaz. vol. 206; p. 1226.
- Molding-machine. W. A. Denney. No. 1,111,529; Sept. 22; Gaz. vol. 206; p. 1064.
- Molding-machine. T. Frischmann. No. 1,103,281; July 14; Gaz. vol. 204; p. 416.
- Molding-machine. J. Filscher. No. 1,106,645; Aug. 11; Gaz. vol. 205; p. 415.
- Molding-machine. J. A. Guy. No. 1,122,105; Dec. 22; Gaz. vol. 209; p. 1236.
- Molding-machine. A. Heller. No. 1,100,562; June 16; Gaz. vol. 203; p. 832.
- Molding-machine. A. Heller. No. 1,113,626; Oct. 13; Gaz. vol. 207; p. 466.
- Molding-machine. C. F. Knowlton and F. F. Elliot. No. 1,094,723; Apr. 28; Gaz. vol. 201; p. 1022.
- Molding-machine. W. Lewis. No. 1,113,224; Oct. 13; Gaz. vol. 207; p. 324.
- Molding-machine. W. Lewis. No. 1,121,929; Dec. 22; Gaz. vol. 209; p. 1175.
- Molding-machine. W. Lewis and J. T. Ramsden. No. 1,113,794; Oct. 13; Gaz. vol. 207; p. 525.
- Molding-machine. W. Mills. No. 1,122,528; Dec. 29; Gaz. vol. 209; p. 1419.
- Molding-machine. F. J. Nilsson. No. 1,118,672; Nov. 24; Gaz. vol. 208; p. 1239.
- Molding-machine. W. Passage. No. 1,109,142; Sept. 1; Gaz. vol. 206; p. 100.
- Molding-machine. E. A. Pridmore. No. 1,102,606; July 7; Gaz. vol. 204; p. 135.
- Molding-machine. E. Ronceray. No. 1,091,020; Mar. 24; Gaz. vol. 200; p. 928.
- Molding-machine. J. T. Stoney. No. 1,113,709; Oct. 13; Gaz. vol. 207; p. 495.
- Molding-machine. A. W. Tanner. No. 1,123,035; Dec. 29; Gaz. vol. 209; p. 1598.
- Molding-machine. E. F. Thiemann. No. 1,084,048; Jan. 13; Gaz. vol. 198; p. 292.
- Molding-machine. H. Tscherning. No. 1,103,454; July 14; Gaz. vol. 204; p. 473.
- Molding-machine. F. Van Cauwenbergh. No. 1,092,186; Apr. 7; Gaz. vol. 201; p. 21.
- Molding-machine. O. J. Vesper. No. 1,098,194; May 26; Gaz. vol. 202; p. 1164.
- Molding-machine. A. M. Zimmerman. No. 1,086,117; Feb. 3; Gaz. vol. 199; p. 193.
- Molding objects having a refractory surface layer. J. W. Aylsworth. No. 1,094,828; Apr. 28; Gaz. vol. 201; p. 1058.
- Molding plates. A. J. Jarman. No. 1,097,440; May 19; Gaz. vol. 202; p. 856.
- Molten materials, Apparatus for pouring. C. W. Lummis. No. 1,089,139; Mar. 3; Gaz. vol. 200; p. 162.
- Molybdenum from its ores and concentrates, Recovering. F. D. S. Robertson. No. 1,118,150; Nov. 24; Gaz. vol. 208; p. 1055.
- Money-box, Indicating. A. Dencher. No. 1,095,713; May 5; Gaz. vol. 202; p. 184.
- Money-sorting machine. M. J. Walsh, Jr. No. 1,109,026; Sept. 1; Gaz. vol. 206; p. 61.
- Monitor. H. C. Zenke. No. 1,083,580; Jan. 6; Gaz. vol. 198; p. 106.
- Monkey-wrench. E. A. W. Beemer. No. 1,113,948; Oct. 20; Gaz. vol. 207; p. 618.
- Monkey-wrench. H. L. Betten. No. 1,101,900; June 30; Gaz. vol. 203; p. 1390.
- Monkey-wrench. F. W. Bronosky. No. 1,088,203; Feb. 24; Gaz. vol. 199; p. 1055.
- Monkey-wrench. J. Mensik. No. 1,114,170; Oct. 20; Gaz. vol. 207; p. 698.
- Monkey-wrench. G. Szilágyi. No. 1,094,759; Apr. 28; Gaz. vol. 201; p. 1034.
- Monkey-wrench. B. A. Thomas. No. 1,114,415; Oct. 20; Gaz. vol. 207; p. 785.
- Monkey-wrench. A. E. Wilde. No. 1,114,562; Oct. 20; Gaz. vol. 207; p. 837.
- Monocle and the like. H. T. Louch. No. 1,092,064; Mar. 31; Gaz. vol. 200; p. 1324.
- Monolithic constructor. G. E. Thompson. No. 1,107,377; Aug. 18; Gaz. vol. 205; p. 718.
- Monoplane. G. U. Muller. No. 1,098,962; June 2; Gaz. vol. 203; p. 205.
- Monorail system. C. W. Putnam. No. 1,110,231; Sept. 8; Gaz. vol. 206; p. 529.
- Monorailway. T. C. Spelling. No. 1,105,540; July 28; Gaz. vol. 204; p. 1290.
- Monorailway system. W. D. Valentine. No. 1,102,615; July 7; Gaz. vol. 204; p. 139.
- Monotype casting-machine. S. F. Greene. No. 1,097,714; May 26; Gaz. vol. 202; p. 995.
- Monotype casting-machine. L. J. Kroesser. No. 1,099,806; June 9; Gaz. vol. 203; p. 535.

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- Mop. J. R. and J. H. Cooley. No. 1,111,950; Sept. 29; Gaz. vol. 206; p. 1248.
- Mop. A. Fischer, Jr. No. 1,086,660; Feb. 10; Gaz. vol. 199; p. 422.
- Mop. E. Fries. No. 1,104,979; July 28; Gaz. vol. 204; p. 1093.
- Mop. W. Q. Glass. No. 1,121,008; Dec. 15; Gaz. vol. 209; p. 817.
- Mop. G. Humphries. No. 1,092,770; Apr. 7; Gaz. vol. 201; p. 222.
- Mop. F. Lemieux. No. 1,087,793; Feb. 17; Gaz. vol. 199; p. 866.
- Mop. H. A. Massey. No. 1,117,209; Nov. 17; Gaz. vol. 208; p. 686.
- Mop. F. W. Pendergast. No. 1,099,858; June 9; Gaz. vol. 203; p. 553.
- Mop. B. P. Pollock. No. 1,113,164; Oct. 6; Gaz. vol. 207; p. 260.
- Mop. E. H. Tate. No. 1,097,892; May 26; Gaz. vol. 202; p. 1059.
- Mop. H. B. Wallace. No. 1,113,175; Oct. 6; Gaz. vol. 207; p. 265.
- Mop. H. A. Wier. No. 1,085,395; Jan. 27; Gaz. vol. 198; p. 812.
- Mop. W. H. Zachry. No. 1,120,431; Dec. 8; Gaz. vol. 209; p. 567.
- Mop and brush. F. H. French. No. 1,110,766; Sept. 15; Gaz. vol. 206; p. 757.
- Mop and wringer, Combined. P. Fuhrer. No. 1,112,532; Oct. 6; Gaz. vol. 207; p. 43.
- Mop, Dust-. W. H. Billings. No. 1,096,488; May 12; Gaz. vol. 202; p. 484.
- Mop, Dust-. A. H. Harrison. No. 1,088,659; Feb. 24; Gaz. vol. 199; p. 1206.
- Mop, Dust-. J. B. Lamb. No. 1,115,442; Oct. 27; Gaz. vol. 207; p. 1196.
- Mop, Dust-. F. and G. F. Pirrung. No. 1,091,700; Mar. 31; Gaz. vol. 200; p. 1200.
- Mop, Dustless polishing-. J. O. Beazley. No. 1,112,190; Sept. 29; Gaz. vol. 206; p. 1329.
- Mop, Fountain dust-. C. F. Roberts. No. 1,102,439; July 7; Gaz. vol. 204; p. 76.
- Mop-handles, Spring-actuated pivotal connecting means for. W. Severns. No. 1,100,029; June 16; Gaz. vol. 203; p. 649.
- Mop-head. B. P. Pollock. No. 1,105,533; July 28; Gaz. vol. 204; p. 1288.
- Mop head and wringer, Combined. L. O. Bodin. No. 1,083,656; Jan. 6; Gaz. vol. 198; p. 132.
- Mop-holder. R. E. and G. R. Andrews. No. 1,102,849; July 7; Gaz. vol. 204; p. 219.
- Mop-holder. R. E. and G. R. Andrews. No. 1,110,981; Sept. 15; Gaz. vol. 206; p. 832.
- Mop-holder. W. T. Carter. No. 1,106,362; Aug. 11; Gaz. vol. 205; p. 312.
- Mop-holder. M. F. Clay and G. F. Basset. No. 1,089,460; Mar. 10; Gaz. vol. 200; p. 316.
- Mop-holder. A. M. Zimmers. No. 1,098,073; May 26; Gaz. vol. 202; p. 1124.
- Mop holder and wringer, Combined. H. O. Johnson and J. H. Nicholson. No. 1,089,475; Mar. 10; Gaz. vol. 200; p. 322.
- Mop-wringer. H. Denton. No. 1,118,401; Nov. 24; Gaz. vol. 208; p. 1142.
- Mop-wringer. E. E. Dobbins and W. P. Bartholow. No. 1,089,914; Mar. 10; Gaz. vol. 200; p. 474.
- Mop-wringer. J. Fargeson. No. 1,110,616; Sept. 15; Gaz. vol. 206; p. 705.
- Mop-wringer. H. T. Inghram. No. 1,093,932; Apr. 21; Gaz. vol. 201; p. 691.
- Mop-wringer. S. C. Lawlor. No. 1,085,346; Jan. 27; Gaz. vol. 198; p. 796.
- Mop-wringer. B. Williams. No. 1,093,671; Apr. 21; Gaz. vol. 201; p. 604.
- Mop-wringing device. E. Rosenfeld. No. 1,088,370; Feb. 24; Gaz. vol. 199; p. 1112.
- Morphin, Manufacturing alkyl-ethers of. M. C. Traub. No. 1,100,998; June 23; Gaz. vol. 203; p. 1038.
- Mortar, Apparatus for the manufacture of. W. C. Hay. No. 1,117,670; Nov. 17; Gaz. vol. 208; p. 849.
- Mortar made of lime and sand, Dressing. C. Siedentopf. No. 1,108,406; Aug. 25; Gaz. vol. 205; p. 1126.
- Mortar-mixer. J. Laun. No. 1,118,659; Nov. 24; Gaz. vol. 208; p. 1235.
- Mortar-mixer, Portable. M. D. Pratt. No. 1,098,400; June 2; Gaz. vol. 203; p. 15.
- Mortise and tenon, Dovetail. J. Alta. No. 1,093,023; Apr. 14; Gaz. vol. 201; p. 342.
- Mortise-catch. J. M. Weaver. No. 1,106,760; Aug. 11; Gaz. vol. 205; p. 454.
- Mortise-marking tool. J. H. Ostberg. No. 1,117,597; Nov. 17; Gaz. vol. 208; p. 821.
- Mortising and tenoning machine. W. D. Kelly. No. 1,083,366; Jan. 6; Gaz. vol. 198; p. 35.
- Mortising-machine. G. W. Campbell. No. 1,085,402; Jan. 27; Gaz. vol. 198; p. 815.
- Mortising-machine. J. Carlson. No. 1,096,599; May 12; Gaz. vol. 202; p. 521.
- Mortising-machine. W. W. McMurtry. No. 1,090,323; Mar. 17; Gaz. vol. 200; p. 656.
- Mortising-machine. D. C. Niemi. No. 1,102,678; July 7; Gaz. vol. 204; p. 160.
- Mortising-machine. S. C. and W. J. Snyder. No. 1,112,336; Sept. 29; Gaz. vol. 206; p. 1381.
- Mortising-machine. O. C. Wysong. No. 1,096,520; May 12; Gaz. vol. 202; p. 495.
- Mosaics, Method and device for making transparent and translucent. T. A. O'Shaughnessy. No. 1,100,769; June 23; Gaz. vol. 203; p. 957.
- Mosaics, Producing. T. W. Black. No. 1,009,837; June 9; Gaz. vol. 203; p. 544.
- Mothproof bag. J. Weinstein. No. 1,113,525; Oct. 13; Gaz. vol. 207; p. 433.
- Mothproof bag and the like. C. A. Corcoran. No. 1,093,769; Apr. 21; Gaz. vol. 201; p. 635.
- Motion acts and moving pictures, Device for combining. J. Saudek. No. 1,099,207; June 9; Gaz. vol. 203; p. 330.
- Motion-converter. G. Kovalavich. No. 1,089,651; Mar. 10; Gaz. vol. 200; p. 383.
- Motion-converting device. J. M. Storey. No. 1,087,615; Feb. 17; Gaz. vol. 199; p. 805.
- Motion-converting device. R. T. Wingo. No. 1,112,747; Oct. 6; Gaz. vol. 207; p. 120.
- Motion-converting mechanism. C. Wales. No. 1,122,176; Dec. 22; Gaz. vol. 209; p. 1259.
- Motion into intermittent angular motion, Device for converting a continuous rotary. H. F. E. S. Dusseri. No. 1,083,523; Jan. 6; Gaz. vol. 198; p. 87.
- Motion, Means for transmitting. J. M. Stoughton. No. 1,121,148; Dec. 15; Gaz. vol. 209; p. 869.
- Motion, Mechanism for converting reciprocating into rotary. R. Z. Farmer. No. 1,116,810; Nov. 10; Gaz. vol. 208; p. 507.
- Motion, Mechanism for converting reciprocating into rotary. C. Prött. No. 1,118,799; Nov. 24; Gaz. vol. 208; p. 1281.
- Motion-transmitting mechanism. H. F. Moore. No. 1,113,039; Oct. 6; Gaz. vol. 207; p. 217.
- Motion-transmitting mechanism. H. B. Ross. (Reissue.) No. 13,686; Feb. 10; Gaz. vol. 199; p. 571.
- Motion-transmitting mechanism. O. B. Shores. No. 1,106,006; Aug. 4; Gaz. vol. 205; p. 146.
- Motor. See Air-motor; Asynchronous motor; Barber's-machine spring-motor; Combustion-motor; Convertible motor; Current-motor; Electric motor; Electromagnetic motor; Explosion-motor; Explosive-motor; Fluid-motor; Fluid-displacing motor; Fluid-pressure motor; Gas or fluid motor; Gasolene-motor; Hot-air motor; Hydraulic motor; Hydrocarbon-motor; Induction-motor; Internal-combustion motor; Mechanical motor; Pipe thermostatic motor; Push-motor; Repulsion-motor; Rotary motor; Rotary air-motor; Rotatable motor; Single-phase motor; Spring-motor; Spring-actuated motor; Starting-motor; Stream-motor; Thermal motor; Thermic motor; Thermodynamic motor; Tide-motor; Tide and wave motor; Truck-motor; Vehicle-motor; Water-motor; Wave-motor; Wave and tide motor; Wind-motor.
- Motor. A. Anderson. No. 1,087,627; Feb. 17; Gaz. vol. 199; p. 809.
- Motor. M. M. Barnes. No. 1,102,636; July 7; Gaz. vol. 204; p. 146.
- Motor. R. Z. Farmer. No. 1,118,117; Nov. 24; Gaz. vol. 208; p. 1045.
- Motor. G. and K. Hogg. No. 1,091,575; Mar. 31; Gaz. vol. 200; p. 1157.
- Motor. T. W. Kings. No. 1,119,758; Dec. 1; Gaz. vol. 209; p. 293.
- Motor. F. Miller. No. 1,103,681; July 14; Gaz. vol. 204; p. 557.
- Motor. J. Miller. No. 1,118,509; Nov. 24; Gaz. vol. 208; p. 1182.
- Motor. G. E. Perry. No. 1,097,360; May 19; Gaz. vol. 202; p. 829.
- Motor. B. and D. B. Stewart. No. 1,092,458; Apr. 7; Gaz. vol. 201; p. 116.
- Motor. D. S. Waugh. No. 1,090,179; Mar. 17; Gaz. vol. 200; p. 606.
- Motor. A. H. Wyatt. No. 1,118,093; Nov. 24; Gaz. vol. 208; p. 1035.
- Motor-accelerating device, Alternating-current-. W. D. Lutz. No. 1,118,296; Nov. 24; Gaz. vol. 208; p. 1105.
- Motor and transmission support. W. MacGlashan. No. 1,111,699; Sept. 22; Gaz. vol. 206; p. 1125.
- Motor-carriage for agricultural implements. A. Tiffany. No. 1,120,105; Dec. 8; Gaz. vol. 209; p. 449.
- Motor control. B. Borland. No. 1,103,027; July 14; Gaz. vol. 204; p. 327.
- Motor control. W. M. Cumiskey. No. 1,122,259; Dec. 29; Gaz. vol. 209; p. 1329.
- Motor control, Alternating-current-. E. F. W. Alexander-son. No. 1,098,656; June 2; Gaz. vol. 203; p. 102.
- Motor control, Alternating-current-. D. L. Lindquist. No. 1,102,521; July 7; Gaz. vol. 204; p. 105.

Alphabetical list of inventions—Continued.

- Motor control, Automatic. W. S. Mitchell. No. 1,106,469; Aug. 11; Gaz. vol. 205; p. 351.
- Motor control, Automatic. R. B. Williamson. No. 1,115,360; Oct. 27; Gaz. vol. 207; p. 1167.
- Motor-control device. H. S. Valentine. No. 1,102,459; July 7; Gaz. vol. 204; p. 84.
- Motor control, Induction-. M. Milch. No. 1,085,151; Jan. 27; Gaz. vol. 198; p. 727.
- Motor-control mechanism. M. Tibbetts. No. 1,116,955; Nov. 10; Gaz. vol. 208; p. 557.
- Motor control, Repulsion-. F. Eichberg. No. 1,093,983; Apr. 21; Gaz. vol. 201; p. 707.
- Motor-control system. L. E. Bogen. No. 1,093,378; Apr. 14; Gaz. vol. 201; p. 466.
- Motor-control system. G. Dunn. No. 1,104,785; July 28; Gaz. vol. 204; p. 1025.
- Motor-control system. L. Fleischman. No. 1,102,488; July 7; Gaz. vol. 204; p. 93.
- Motor-control system. O. P. Fritchle. No. 1,119,265; Dec. 1; Gaz. vol. 209; p. 125.
- Motor-control system. J. H. Hall. No. 1,122,743; Dec. 29; Gaz. vol. 209; p. 1493.
- Motor-control system. J. H. Hall. No. 1,122,744; Dec. 29; Gaz. vol. 209; p. 1494.
- Motor-control system. W. D. Lutz. No. 1,112,925; Oct. 6; Gaz. vol. 207; p. 179.
- Motor-control system. J. F. Motz. No. 1,122,788; Dec. 29; Gaz. vol. 209; p. 1510.
- Motor-control system. R. C. Newhouse. No. 1,087,972; Feb. 24; Gaz. vol. 199; p. 975.
- Motor-control system. M. A. Whiting. No. 1,093,670; Apr. 21; Gaz. vol. 201; p. 604.
- Motor-control system, Electric-. H. D. James. No. 1,087,494; Feb. 17; Gaz. vol. 199; p. 763.
- Motor-control system, Electric-. J. S. Peck. No. 1,083,941; Jan. 13; Gaz. vol. 198; p. 253.
- Motor-control system, Electric-. C. G. Tarkington. No. 1,107,555; Aug. 18; Gaz. vol. 205; p. 781.
- Motor-control system, Electric-. E. S. Zuck. No. 1,110,094; Sept. 8; Gaz. vol. 206; p. 479.
- Motor-controller. T. E. Barnum. No. 1,113,289; Oct. 13; Gaz. vol. 207; p. 348.
- Motor-controller. T. E. Barnum. No. 1,121,786; Dec. 22; Gaz. vol. 209; p. 1124.
- Motor-controller. C. T. Evans. No. 1,100,964; June 23; Gaz. vol. 203; p. 1026.
- Motor-controller. C. T. Evans. No. 1,108,563; Aug. 25; Gaz. vol. 205; p. 1181.
- Motor-controller. C. T. Henderson. No. 1,108,905; Sept. 1; Gaz. vol. 206; p. 15.
- Motor-controller. A. J. Horton. No. 1,104,800; July 28; Gaz. vol. 204; p. 1031.
- Motor-controller. A. J. Horton. No. 1,108,439; Aug. 25; Gaz. vol. 205; p. 1137.
- Motor controller. A. J. Horton. No. 1,108,907; Sept. 1; Gaz. vol. 206; p. 16.
- Motor-controller. A. J. Horton. No. 1,122,931; Dec. 29; Gaz. vol. 209; p. 1560.
- Motor-controller. C. E. Hyatt. No. 1,102,337; July 7; Gaz. vol. 204; p. 41.
- Motor-controller. C. Jewell. No. 1,113,901; Oct. 13; Gaz. vol. 207; p. 563.
- Motor-controller. W. B. Lucas. No. 1,091,940; Mar. 31; Gaz. vol. 200; p. 1284.
- Motor-controller. G. R. Radley. No. 1,110,821; Sept. 15; Gaz. vol. 206; p. 776.
- Motor-controller. G. R. Radley. No. 1,119,987; Dec. 8; Gaz. vol. 209; p. 410.
- Motor-controller. A. Simon. No. 1,116,501; Nov. 10; Gaz. vol. 208; p. 396.
- Motor-controller. F. T. Taylor. No. 1,098,134; May 26; Gaz. vol. 202; p. 1144.
- Motor-controller. P. H. Zimmer. No. 1,102,315; July 7; Gaz. vol. 204; p. 32.
- Motor-controller. P. H. Zimmer. No. 1,119,384; Dec. 1; Gaz. vol. 209; p. 167.
- Motor controller, Alternating-current-. W. E. Date. No. 1,120,376; Dec. 8; Gaz. vol. 209; p. 547.
- Motor controller, Electric-. J. H. Hall. No. 1,084,698; Jan. 20; Gaz. vol. 198; p. 538.
- Motor controller, Electric-. J. H. Hall. No. 1,097,428; May 19; Gaz. vol. 202; p. 852.
- Motor controller, Electric-. H. E. Frost. No. 1,103,954; July 21; Gaz. vol. 204; p. 691.
- Motor controller, Electric-. H. F. Stratton. No. 1,122,657; Dec. 29; Gaz. vol. 209; p. 1465.
- Motor controller for elevators, Alternating-current-. A. Simon. No. 1,110,352; Sept. 15; Gaz. vol. 206; p. 612.
- Motor controller, Induction-. H. D. James. No. 1,116,433; Nov. 10; Gaz. vol. 208; p. 370.
- Motor-controlling apparatus. E. L. Gale, Sr. No. 1,102,491; July 7; Gaz. vol. 204; p. 94.
- Motor-controlling apparatus, Overload. A. Sundh. No. 1,111,240; Sept. 22; Gaz. vol. 206; p. 966.
- Motor-controlling device, Fluid-actuated-. R. Conrader. No. 1,113,956; Oct. 20; Gaz. vol. 207; p. 621.
- Motor-controlling mechanism, Hydraulic-. A. V. T. Day. No. 1,099,238; June 9; Gaz. vol. 203; p. 341.
- Motor-controlling system. W. D. Lutz. No. 1,095,507; May 5; Gaz. vol. 202; p. 115.
- Motor-cooling device, Revolving-. O. Winkler. No. 1,114,564; Oct. 20; Gaz. vol. 207; p. 837.
- Motor-craft, Apparatus and method relating to high-speed. P. C. Hewitt. No. 1,084,578; Jan. 13; Gaz. vol. 198; p. 467.
- Motor-cranking device, Internal-combustion-. W. R. Williams. No. 1,086,969; Feb. 10; Gaz. vol. 199; p. 529.
- Motor-cycle, cycle, and analogous saddle and seat. B. Brooks. No. 1,100,652; June 16; Gaz. vol. 203; p. 862.
- Motor drive, Electric-. K. A. Pauly. No. 1,089,783; Mar. 10; Gaz. vol. 200; p. 428.
- Motor-frame, Canoe. D. McLaren. No. 1,118,208; Nov. 24; Gaz. vol. 208; p. 1075.
- Motor gearing and starter connections, Casing for. M. L. Jenkins. No. 1,102,338; July 7; Gaz. vol. 204; p. 41.
- Motor-generator. C. W. Dake. No. 1,101,618; June 30; Gaz. vol. 203; p. 1303.
- Motor governing device, Explosion or combustion. C. A. and O. W. Hult. No. 1,103,290; July 14; Gaz. vol. 204; p. 418.
- Motor governor, Spring-. C. Ray and E. S. McCaulley. No. 1,095,353; May 5; Gaz. vol. 202; p. 61.
- Motor-locking means, Internal-combustion-. C. W. Obert. No. 1,105,296; July 28; Gaz. vol. 204; p. 1203.
- Motor-locking mechanism. W. J. Sherry. No. 1,107,855; Aug. 18; Gaz. vol. 205; p. 887.
- Motor-lubricating system. W. L. Marr. No. 1,104,057; July 21; Gaz. vol. 204; p. 725.
- Motor-lubricator. W. F. Schönland. No. 1,091,249; Mar. 24; Gaz. vol. 200; p. 1007.
- Motor mechanism. C. W. Coleman. No. 1,095,453; May 5; Gaz. vol. 202; p. 95.
- Motor-operated switch. H. M. Stevens. No. 1,099,625; June 9; Gaz. vol. 203; p. 474.
- Motor-operating method and apparatus, Electric-. W. Siebenmorgen. No. 1,101,214; June 23; Gaz. vol. 203; p. 1113.
- Motor or engine starting means, Internal-combustion. F. J. T. Barnes. No. 1,114,334; Oct. 20; Gaz. vol. 207; p. 755.
- Motor-overwinding preventer, Spring-. L. H. Friedman. No. 1,109,569; Sept. 1; Gaz. vol. 206; p. 248.
- Motor-sleigh. L. M. Lindal. No. 1,110,949; Sept. 15; Gaz. vol. 206; p. 822.
- Motor-spirit. R. de Fazi. No. 1,108,351; Aug. 25; Gaz. vol. 205; p. 1107.
- Motor-starter. V. M. Harris. No. 1,120,616; Dec. 8; Gaz. vol. 209; p. 633.
- Motor-starter. A. C. McWilliams. No. 1,121,567; Dec. 15; Gaz. vol. 209; p. 1012.
- Motor-starter and circuit-breaker, Combined. A. C. McWilliams. No. 1,092,281; Apr. 7; Gaz. vol. 201; p. 55.
- Motor-starter for rectifier systems. M. Kushlan. No. 1,092,724; Apr. 7; Gaz. vol. 201; p. 206.
- Motor-starting device. P. Caldwell. No. 1,098,780; June 2; Gaz. vol. 203; p. 143.
- Motor-starting mechanism, Explosion-. E. Fillettaz. No. 1,083,929; Jan. 13; Gaz. vol. 198; p. 250.
- Motor-starting mechanism, Explosion-. E. Fillettaz. No. 1,113,424; Oct. 13; Gaz. vol. 207; p. 397.
- Motor-starting switch. C. H. Bissell. No. 1,116,552; Nov. 10; Gaz. vol. 208; p. 414.
- Motor-support, Outboard. A. A. Caille. No. 1,100,954; June 23; Gaz. vol. 203; p. 1023.
- Motor-suspension device, Outboard-. C. A. and O. W. Hult. No. 1,118,011; Nov. 24; Gaz. vol. 208; p. 1007.
- Motor-suspension mechanism. L. Chevrolet and E. Planche. No. 1,088,124; Feb. 24; Gaz. vol. 199; p. 1028.
- Motor-switch. O. B. Duncan. No. 1,106,639; Aug. 11; Gaz. vol. 205; p. 413.
- Motor traction-wheel. M. B. Church. No. 1,090,684; Mar. 17; Gaz. vol. 200; p. 781.
- Motor winding, Induction-. J. E. Webster. No. 1,101,672; June 30; Gaz. vol. 203; p. 1321.
- Motor wrench, Electric-. E. W. Burroughs. No. 1,102,240; July 7; Gaz. vol. 204; p. 7.
- Motors, Air-supply means for. W. A. Watkins. No. 1,089,998; Mar. 10; Gaz. vol. 200; p. 502.
- Motors, alternating or direct current, Electric starter for. C. B. Pinkerton and A. E. Wason. No. 1,104,758; July 21; Gaz. vol. 204; p. 968.
- Motors and apparatus therefor, Control of electric. P. N. Jones and J. W. Welsh. No. 1,109,338; Sept. 1; Gaz. vol. 206; p. 171.
- Motors, Apparatus for governing the speed of. W. W. Dean. No. 1,107,914; Aug. 18; Gaz. vol. 205; p. 906.
- Motors, Apparatus for the production of working fluids for. O. Kraus. No. 1,087,451; Feb. 17; Gaz. vol. 199; p. 748.
- Motors, Automatic starter for electric. E. L. Gale, Sr. No. 1,120,709; Dec. 15; Gaz. vol. 209; p. 713.
- Motors, Automatic winder for spring-. F. J. C. Frederick. No. 1,114,457; Oct. 20; Gaz. vol. 207; p. 800.
- Motors, Auxiliary air inlet for explosive-. G. A. Stewart. No. 1,088,245; Feb. 24; Gaz. vol. 199; p. 1069.
- Motors, Compressed-air starting device for. O. E. Jörgensen. No. 1,095,403; May 5; Gaz. vol. 202; p. 78.
- Motors, Concatenated control of alternating-current. R. D. Mershon. No. 1,112,022; Sept. 29; Gaz. vol. 206; p. 1271.

Alphabetical list of inventions—Continued.

- Motors, Cooling attachment for explosive-. W. F. Thompson and J. Looney. No. 1,107,728; Aug. 18; Gaz. vol. 205; p. 843.
- Motors, Cylinder for valveless two-cycle internal-combustion. C. E. Amon. No. 1,105,585; July 28; Gaz. vol. 204; p. 1306.
- Motors, Cylinder-head for sleeve-valve. T. D. Lemieux. No. 1,091,359; Mar. 24; Gaz. vol. 200; p. 1040.
- Motors, Electrically-driven winding apparatus for spring-. W. P. Phillips. No. 1,085,477; Jan. 27; Gaz. vol. 198; p. 838.
- Motors, Fluid-control mechanism for. H. A. Carpenter. No. 1,105,061; July 28; Gaz. vol. 204; p. 1121.
- Motors, &c., Gearing for wave-. H. J. Hartman. No. 1,121,923; Dec. 22; Gaz. vol. 209; p. 1173.
- Motors, Means for collectively actuating and controlling alternating-current. J. L. Routin. No. 1,090,568; Mar. 17; Gaz. vol. 200; p. 742.
- Motors, Means for governing the speed of wind-. A. P. Turnbull. No. 1,112,240; Sept. 29; Gaz. vol. 206; p. 1348.
- Motors, Means for regulating the speed of asynchronous or induction. J. Bethenod. No. 1,088,517; Feb. 24; Gaz. vol. 199; p. 1159.
- Motors, Method of and apparatus for starting alternating-current. M. Korndörfer. No. 1,096,922; May 19; Gaz. vol. 202; p. 675.
- Motors, Method of and means for controlling alternating-current. C. E. Lord. No. 1,115,948; Nov. 3; Gaz. vol. 208; p. 164.
- Motors, Mixture-controlling means for. A. T. Kasley. No. 1,102,341; July 7; Gaz. vol. 204; p. 42.
- Motors, Mounting for. F. W. Rillance. No. 1,088,451; Feb. 24; Gaz. vol. 199; p. 1138.
- Motors, Muffler for internal-combustion. M. R. Gipple. No. 1,085,203; Jan. 27; Gaz. vol. 198; p. 745.
- Motors of automobiles and other vehicles, Water-cooling apparatus for the explosive-mixture-operating. H. C. Colburn. No. 1,084,845; Jan. 20; Gaz. vol. 198; p. 588.
- Motors, Operating alternating-current. V. A. Fynn. No. 1,122,490; Dec. 29; Gaz. vol. 209; p. 1405.
- Motors, Packing-gland for hydraulic. W. A. Doble. No. 1,109,826; Sept. 8; Gaz. vol. 206; p. 382.
- Motors, Relief mechanism for water-. G. Sundby. No. 1,109,153; Sept. 1; Gaz. vol. 206; p. 105.
- Motors, Reversal-regulator for single-phase. D. L. Lindquist. No. 1,085,987; Feb. 3; Gaz. vol. 199; p. 146.
- Motors, Rotor construction for induction-. J. D. Nies. No. 1,092,849; Apr. 14; Gaz. vol. 201; p. 285.
- Motors, Shunt-regulator for variable-speed. J. G. Stirk. No. 1,113,917; Oct. 13; Gaz. vol. 207; p. 568.
- Motors, Windings for induction-. T. Hooek. No. 1,112,452; Oct. 6; Gaz. vol. 207; p. 13.
- Mount for specimens. M. H. Mead. No. 1,090,403; Mar. 17; Gaz. vol. 200; p. 685.
- Mounting eye specimens. F. L. Barrows. No. 1,086,265; Feb. 3; Gaz. vol. 199; p. 240.
- Mouse or rat trap. J. Palmowski. No. 1,093,880; Apr. 21; Gaz. vol. 201; p. 673.
- Mouse-trap. J. E. Bigelow. No. 1,121,787; Dec. 22; Gaz. vol. 209; p. 1124.
- Mouse-trap. J. M. Butcher. No. 1,085,970; Feb. 3; Gaz. vol. 199; p. 139.
- Mouse-trap. E. Kreid. No. 1,117,402; Nov. 17; Gaz. vol. 208; p. 754.
- Mouth prop and illuminator, Combined. W. F. Dunlop. No. 1,122,086; Dec. 22; Gaz. vol. 209; p. 1231.
- Mouthpiece. C. E. Stacey. No. 1,089,876; Mar. 10; Gaz. vol. 200; p. 459.
- Mouthpiece attachment. A. C. Gaynor. No. 1,084,206; Jan. 13; Gaz. vol. 198; p. 346.
- Mouthpiece-forming mechanism. S. I. Prescott. No. 1,105,832; Aug. 4; Gaz. vol. 205; p. 86.
- Mouthpiece, Sanitary. E. M. Jenkins. No. 1,112,291; Sept. 29; Gaz. vol. 206; p. 1365.
- Movements, Mechanism for the transmission of. J. Granz. No. 1,118,411; Nov. 24; Gaz. vol. 208; p. 1147.
- Moving material. W. Cooper. No. 1,106,863; Aug. 11; Gaz. vol. 205; p. 491.
- Mower. H. C. Bjering. No. 1,089,039; Mar. 3; Gaz. vol. 200; p. 125.
- Mower. J. P. Forst. No. 1,106,374; Aug. 11; Gaz. vol. 205; p. 316.
- Mower. A. H. Matthew. No. 1,122,140; Dec. 22; Gaz. vol. 209; p. 1247.
- Mower. F. D. Mercer. No. 1,085,282; Jan. 27; Gaz. vol. 198; p. 773.
- Mower and similar machine. H. C. Bjering. No. 1,101,052; June 23; Gaz. vol. 203; p. 1057.
- Mower blade, Lawn-. J. N. McGriff. No. 1,109,776; Sept. 8; Gaz. vol. 206; p. 365.
- Mower handle, Lawn-. C. H. Taylor. No. 1,096,073; May 12; Gaz. vol. 202; p. 342.
- Mower, Lawn-. R. W. Boydston. No. 1,093,168; Apr. 14; Gaz. vol. 201; p. 394.
- Mower, Lawn-. J. C. Clark. No. 1,104,291; July 21; Gaz. vol. 204; p. 805.
- Mower, Lawn-. W. H. and H. T. Coldwell. No. 1,085,585; Jan. 27; Gaz. vol. 198; p. 874.
- Mower, Lawn-. F. Farmer. No. 1,122,709; Dec. 29; Gaz. vol. 209; p. 1483.
- Mower, Lawn-. G. F. Geb. No. 1,102,734; July 7; Gaz. vol. 204; p. 179.
- Mower, Lawn-. Z. B. George. No. 1,120,789; Dec. 15; Gaz. vol. 209; p. 741.
- Mower, Lawn-. G. P. Helfrich. No. 1,089,556; Mar. 10; Gaz. vol. 200; p. 350.
- Mower, Lawn-. S. D. Hurley. No. 1,110,058; Sept. 8; Gaz. vol. 206; p. 466.
- Mower, Lawn-. A. B. Kidder. No. 1,121,257; Dec. 15; Gaz. vol. 209; p. 905.
- Mower, Lawn-. E. W. McGuire. No. 1,093,283; Apr. 14; Gaz. vol. 201; p. 433.
- Mower, Lawn-. I. H. Murdick. No. 1,122,284; Dec. 29; Gaz. vol. 209; p. 1580.
- Mower, Lawn-. J. Rush. No. 1,122,542; Dec. 29; Gaz. vol. 209; p. 1423.
- Mower, Lawn-. T. D. Vincent. No. 1,115,350; Oct. 27; Gaz. vol. 207; p. 1164.
- Mower, Motor-. I. H. Davis. No. 1,116,390; Nov. 10; Gaz. vol. 208; p. 356.
- Mower, Railway-. P. Furuseth. No. 1,096,236; May 12; Gaz. vol. 202; p. 398.
- Mower, Two-speed. G. C. Bates. No. 1,117,763; Nov. 17; Gaz. vol. 208; p. 882.
- Mower, Vertical. G. Wodtli. No. 1,108,536; Aug. 25; Gaz. vol. 205; p. 1172.
- Mowers, Auxiliary handle for lawn-. J. E. Page. No. 1,084,165; Jan. 13; Gaz. vol. 198; p. 331.
- Mowers, Knife attachment for. J. H. Siegfried. No. 1,094,260; Apr. 21; Gaz. vol. 201; p. 800.
- Mowers or binders, Knife-arrester for. L. B. Young. No. 1,091,105; Mar. 24; Gaz. vol. 200; p. 957.
- Mowers, reapers, harvesters, and the like, Cutter for. J. L. Auble. No. 1,113,944; Oct. 20; Gaz. vol. 207; p. 617.
- Mowing apparatus. A. B. Culp. No. 1,121,984; Dec. 22; Gaz. vol. 209; p. 1195.
- Mowing attachment for motor-vehicles. O. Kluge. No. 1,092,720; Apr. 7; Gaz. vol. 201; p. 205.
- Mowing attachment for motor-vehicles. O. Kluge. No. 1,092,722; Apr. 7; Gaz. vol. 201; p. 205.
- Mowing-machine. J. W. Bruce. No. 1,105,751; Aug. 4; Gaz. vol. 205; p. 58.
- Mowing-machine. O. Call. No. 1,112,115; Sept. 29; Gaz. vol. 206; p. 1303.
- Mowing-machine. E. Caruthers. No. 1,108,132; Aug. 25; Gaz. vol. 205; p. 1031.
- Mowing-machine. F. M. Cranlund. No. 1,084,134; Jan. 13; Gaz. vol. 198; p. 321.
- Mowing-machine. J. G. Fahr. No. 1,115,797; Nov. 3; Gaz. vol. 208; p. 111.
- Mowing-machine. A. Grieves. No. 1,113,552; Oct. 13; Gaz. vol. 207; p. 442.
- Mowing-machine. A. Grieves. No. 1,113,553; Oct. 13; Gaz. vol. 207; p. 443.
- Mowing-machine. H. L. Hopkins. No. 1,121,836; Dec. 22; Gaz. vol. 209; p. 1142.
- Mowing-machine. O. Kluge. No. 1,102,929; July 7; Gaz. vol. 204; p. 245.
- Mowing-machine. A. Morris. No. 1,111,081; Sept. 22; Gaz. vol. 206; p. 911.
- Mowing-machine. N. and L. Nilson. No. 1,111,757; Sept. 29; Gaz. vol. 206; p. 1180.
- Mowing-machine. J. L. Parker. No. 1,117,515; Nov. 17; Gaz. vol. 208; p. 794.
- Mowing-machine. O. Sallér. No. 1,101,758; June 30; Gaz. vol. 203; p. 1349.
- Mowing-machine. J. B. Turner and J. S. Briscoe. No. 1,089,292; Mar. 3; Gaz. vol. 200; p. 211.
- Mowing-machine attachment. P. H. Kliever. No. 1,103,779; July 14; Gaz. vol. 204; p. 589.
- Mowing-machine cutter-bar. C. H. Likely. No. 1,085,349; Jan. 27; Gaz. vol. 198; p. 797.
- Mowing-machine divider-rod attachment. W. M. Ryan. No. 1,097,821; May 26; Gaz. vol. 202; p. 1033.
- Mowing-machine, Gearless. S. P. Shelvik. No. 1,095,529; May 5; Gaz. vol. 202; p. 123.
- Mowing-machine grass-distributor. B. Wood. No. 1,113,853; Oct. 13; Gaz. vol. 207; p. 546.
- Mowing-machines, Flax and grass seed harvester attachment for. A. Frederickson and N. Nielsen. No. 1,099,495; June 9; Gaz. vol. 203; p. 429.
- Mowing-machines, Revolving divider for. C. A. Carrick. No. 1,112,768; Oct. 6; Gaz. vol. 207; p. 126.
- Mowing-machines, Swath cleaner and divider for. P. H. Kliever. No. 1,121,375; Dec. 15; Gaz. vol. 209; p. 945.
- Mucilage or gum, Manufacture of. C. V. Greenwood. No. 1,105,195; July 28; Gaz. vol. 204; p. 1167.
- Mucous membrane, Appliance for the treatment of the. C. Wilson. No. 1,114,212; Oct. 20; Gaz. vol. 207; p. 713.
- Mud-guard. J. Crues. No. 1,108,833; Aug. 25; Gaz. vol. 205; p. 1273.
- Mud-guard. S. I. Hitchcock. No. 1,099,441; June 9; Gaz. vol. 203; p. 411.
- Mud-guard. T. L. Johnson. No. 1,108,759; Aug. 25; Gaz. vol. 205; p. 1247.
- Mud-guard for cranking devices. C. A. Bartlog. No. 1,088,317; Feb. 24; Gaz. vol. 199; p. 1093.

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- Muffle-furnace. E. Curran. No. 1,114,587; Oct. 20; Gaz. vol. 207; p. 844.
- Muffles, cupolas, and other furnaces, Safety device for. E. Beling. No. 1,121,969; Dec. 22; Gaz. vol. 209; p. 1189.
- Muffler. W. H. Coffill. No. 1,113,410; Oct. 13; Gaz. vol. 207; p. 392.
- Muffler. W. S. Harley. No. 1,122,388; Dec. 29; Gaz. vol. 209; p. 1370.
- Muffler. J. F. Hintz. No. 1,103,769; July 14; Gaz. vol. 204; p. 586.
- Muffler. F. Lower. No. 1,085,276; Jan. 27; Gaz. vol. 198; p. 771.
- Muffler. P. W. Masten. No. 1,094,667; Apr. 28; Gaz. vol. 201; p. 1001.
- Muffler. A. J. Patten. No. 1,089,259; Mar. 3; Gaz. vol. 200; p. 200.
- Muffler. O. F. Persson. No. 1,087,397; Feb. 17; Gaz. vol. 199; p. 728.
- Muffler. O. F. Persson. No. 1,087,398; Feb. 17; Gaz. vol. 199; p. 729.
- Muffler. E. C. Rodwick. No. 1,110,512; Sept. 15; Gaz. vol. 206; p. 669.
- Muffler. J. A. Steinmetz. No. 1,087,468; Feb. 17; Gaz. vol. 199; p. 755.
- Muffler. O. C. and W. H. Unke. No. 1,096,970; May 19; Gaz. vol. 202; p. 692.
- Muffler. S. D. Waldon. No. 1,094,105; Apr. 21; Gaz. vol. 201; p. 748.
- Muffler, Exhaust-. H. G. Chatain. No. 1,110,040; Sept. 8; Gaz. vol. 206; p. 460.
- Muller for electrostatic machines. L. C. Charbonneau. No. 1,096,601; May 12; Gaz. vol. 202; p. 522.
- Mulching and packing implement. L. T. Rasmussen. No. 1,098,757; June 2; Gaz. vol. 203; p. 136.
- Mule. K. H. Cederlund. No. 1,117,636; Nov. 17; Gaz. vol. 208; p. 836.
- Mules, Apparatus for producing the inward run of the carriage in self-acting. P. Bourcart. No. 1,120,895; Dec. 15; Gaz. vol. 209; p. 779.
- Multi-indorsement mechanism. C. C. Abbott. No. 1,107,008; Aug. 11; Gaz. vol. 205; p. 539.
- Multicurrent distribution system. H. M. Scheibe. No. 1,112,482; Oct. 6; Gaz. vol. 207; p. 24.
- Multiduct. T. E. Murray and A. V. A. McHarg. No. 1,087,969; Feb. 24; Gaz. vol. 199; p. 974.
- Multiple-cylinder expansive-type engine. O. Kerscht. No. 1,083,405; Jan. 6; Gaz. vol. 198; p. 50.
- Multiple drill. J. A. Eden, Jr. No. 1,121,992; Dec. 22; Gaz. vol. 209; p. 1198.
- Multiple key. C. E. Beach. No. 1,093,100; Apr. 14; Gaz. vol. 201; p. 370.
- Multiple-power engine. W. S. Weikel. No. 1,084,512; Jan. 13; Gaz. vol. 198; p. 442.
- Multiple-spindle drill. R. F. Scott. No. 1,097,678; May 26; Gaz. vol. 202; p. 982.
- Multiple-use machine. C. M. Conradson. No. 1,121,714; Dec. 22; Gaz. vol. 209; p. 1100.
- Multiplier mechanism. G. Fortier. No. 1,092,904; Apr. 14; Gaz. vol. 201; p. 302.
- Multispindle-machines. Driving mechanism for. G. O. Gridley. No. 1,112,209; Sept. 29; Gaz. vol. 206; p. 1337.
- Multiweld secondary. E. Fulda. No. 1,103,041; July 14; Gaz. vol. 204; p. 332.
- Music-chart. R. Somers. No. 1,091,598; Mar. 31; Gaz. vol. 200; p. 1165.
- Music container, Sheet-. E. J. Hawkins. No. 1,115,312; Oct. 27; Gaz. vol. 207; p. 1153.
- Music-generating and music-distributing apparatus. T. Cabill. No. 1,107,261; Aug. 18; Gaz. vol. 205; p. 677.
- Music-holder. E. J. Babbitt. No. 1,092,625; Apr. 7; Gaz. vol. 201; p. 173.
- Music holder, Sheet-. V. Simmons. No. 1,106,851; Aug. 11; Gaz. vol. 205; p. 487.
- Music-leaf turner. F. Ackerman and J. H. Sullivan. No. 1,110,521; Sept. 15; Gaz. vol. 206; p. 671.
- Music-leaf turner. F. Ackerman and J. H. Sullivan. No. 1,112,400; Sept. 29; Gaz. vol. 206; p. 1404.
- Music-leaf turner. T. Boldizzoni. No. 1,087,712; Feb. 17; Gaz. vol. 199; p. 840.
- Music-leaf turner. W. M. Cramer. No. 1,084,794; Jan. 20; Gaz. vol. 198; p. 570.
- Music-leaf turner. W. Deffenbaugh. No. 1,104,638; July 21; Gaz. vol. 204; p. 926.
- Music-leaf turner. J. Dougherty. No. 1,113,965; Oct. 20; Gaz. vol. 207; p. 625.
- Music-leaf turner. D. Funk. No. 1,096,617; May 12; Gaz. vol. 202; p. 527.
- Music-leaf turner. C. J. Gelvin and J. C. Clark. No. 1,122,904; Dec. 29; Gaz. vol. 209; p. 1552.
- Music-leaf turner. R. A. Gibson and J. B. Sartolou. (Re-issue.) No. 13,789; Aug. 18; Gaz. vol. 205; p. 978.
- Music-leaf turner. F. E. Giles. No. 1,104,983; July 28; Gaz. vol. 204; p. 1094.
- Music-leaf turner. E. Handler. No. 1,087,535; Feb. 17; Gaz. vol. 199; p. 776.
- Music-leaf turner. J. R. Hinton. No. 1,092,527; Apr. 7; Gaz. vol. 201; p. 139.
- Music-leaf turner. A. J. Illig. No. 1,098,263; May 26; Gaz. vol. 202; p. 1188.
- Music-leaf turner. X. J. Joller. No. 1,095,877; May 5; Gaz. vol. 202; p. 240.
- Music-leaf turner. J. H. Jordan. No. 1,090,720; Mar. 17; Gaz. vol. 200; p. 791.
- Music-leaf turner. W. W. and E. V. Malone. No. 1,095,010; Apr. 28; Gaz. vol. 201; p. 1121.
- Music-leaf turner. M. J. Myszkier. No. 1,087,042; Feb. 10; Gaz. vol. 199; p. 552.
- Music-leaf turner. W. L. Schaeffer. No. 1,098,644; June 2; Gaz. vol. 203; p. 99.
- Music-leaf turner. R. L. Warren. No. 1,123,046; Dec. 29; Gaz. vol. 209; p. 1602.
- Music-leaf turner. G. Whitmore. No. 1,093,090; Apr. 14; Gaz. vol. 201; p. 366.
- Music, magazines, and the like, Cover for sheet-. H. W. Stamps. No. 1,112,487; Oct. 6; Gaz. vol. 207; p. 25.
- Music-perforating device, Sheet-. A. D. Saumell. No. 1,092,401; Apr. 7; Gaz. vol. 201; p. 95.
- Music-player and other tracker-bar. R. A. Gally. No. 1,108,071; Aug. 18; Gaz. vol. 205; p. 962.
- Music-player chests and tubes. R. A. Gally. No. 1,101,691; June 30; Gaz. vol. 203; p. 1327.
- Music-player valve. R. A. Gally. No. 1,105,071; July 28; Gaz. vol. 204; p. 1125.
- Music-player valve-action. R. A. Gally. No. 1,106,040; Aug. 4; Gaz. vol. 205; p. 159.
- Music-playing apparatus, Circuit-controlling finger for electrically-operated. W. C. Reed. No. 1,112,658; Oct. 6; Gaz. vol. 207; p. 88.
- Music-playing devices, Accenting attachment for. W. J. Keeley. No. 1,107,801; Aug. 18; Gaz. vol. 205; p. 869.
- Music-playing instrument, Mechanical. F. C. White. No. 1,103,854; July 14; Gaz. vol. 204; p. 614.
- Music-playing instruments, Automatic rewind and stop mechanism for mechanical. F. C. White. No. 1,093,813; Apr. 21; Gaz. vol. 201; p. 651.
- Music-rack. J. Cooper. No. 1,101,010; June 23; Gaz. vol. 203; p. 1042.
- Music-rack. E. A. Hunsaker. No. 1,086,179; Feb. 3; Gaz. vol. 199; p. 213.
- Music-roll. W. E. Castelow. No. 1,091,189; Mar. 24; Gaz. vol. 200; p. 986.
- Music-roll. B. V. Edwards. No. 1,122,706; Dec. 29; Gaz. vol. 209; p. 1482.
- Music-roll attachment. C. H. Martin. No. 1,111,264; Sept. 22; Gaz. vol. 206; p. 974.
- Music roll or spool. C. W. Dorricott. No. 1,121,905; Dec. 22; Gaz. vol. 209; p. 1167.
- Music roll or spool and flange therefor. E. T. Turney. No. 1,109,716; Sept. 8; Gaz. vol. 206; p. 346.
- Music-roll-propelling system. R. A. Gally. No. 1,101,842; June 30; Gaz. vol. 203; p. 1379.
- Music-roll spool. J. C. Kohler. No. 1,107,314; Aug. 18; Gaz. vol. 205; p. 695.
- Music-roll spool. E. Linder. No. 1,107,328; Aug. 18; Gaz. vol. 205; p. 700.
- Music-roll winding and rewinding apparatus. R. A. Gally. No. 1,106,297; Aug. 4; Gaz. vol. 205; p. 244.
- Music-sheet driver for automatic players. F. W. Draper. No. 1,083,600; Jan. 6; Gaz. vol. 198; p. 113.
- Music-sheet for manually and mechanically operated musical instruments. C. A. Ahlstrom. No. 1,122,237; Dec. 22; Gaz. vol. 209; p. 1280.
- Music-sheet for self-playing apparatus. R. A. Gally. No. 1,101,690; June 30; Gaz. vol. 203; p. 1327.
- Music sheet or record. E. T. Turney. No. 1,107,560; Aug. 18; Gaz. vol. 205; p. 783.
- Music sheet or record for playing attachments for musical instruments. E. T. Turney. No. 1,107,558; Aug. 18; Gaz. vol. 205; p. 782.
- Music-sheet, Perforated. H. E. Propson. No. 1,090,344; Mar. 17; Gaz. vol. 200; p. 663.
- Music-sheet shifter. F. H. Hartzell. No. 1,103,200; July 14; Gaz. vol. 204; p. 390.
- Music-sheets, Adjustable spool for. A. De Kleist. No. 1,091,144; Mar. 24; Gaz. vol. 200; p. 979.
- Music-sheets, Automatic tensioning device for traveling. L. B. Doman. No. 1,097,852; May 26; Gaz. vol. 202; p. 1044.
- Music sheets or records, Winding and rewinding mechanism for. E. T. Turney. No. 1,107,559; Aug. 18; Gaz. vol. 205; p. 782.
- Music sheets or records, Winding and rewinding mechanism for. E. T. Turney. No. 1,107,561; Aug. 18; Gaz. vol. 205; p. 783.
- Music sheets or records, Winding and rewinding mechanism for. E. T. Turney. No. 1,107,562; Aug. 18; Gaz. vol. 205; p. 784.
- Music sheets or records, Winding and rewinding mechanism for. E. T. Turney. No. 1,112,174; Sept. 29; Gaz. vol. 206; p. 1324.
- Music-sheets, Producing printed. L. Hess. No. 1,112,450; Oct. 6; Gaz. vol. 207; p. 12.
- Music-spools, Socket-piece for holding. E. Ketterer. No. 1,083,618; Jan. 6; Gaz. vol. 198; p. 119.
- Music-staff-lining machine. E. C. Chambers. No. 1,122,684; Dec. 29; Gaz. vol. 209; p. 1475.
- Music-teaching apparatus. R. J. Grant. No. 1,100,824; June 23; Gaz. vol. 203; p. 976.
- Music-turner. J. E. Pool. No. 1,097,463; May 19; Gaz. vol. 202; p. 864.

Alphabetical list of inventions—Continued.

- Music turner, Sheet-. R. V. Townsend. No. 1,102,824; July 7; Gaz. vol. 204; p. 211.
- Music, Writing. R. J. Grant. No. 1,085,603; Feb. 3; Gaz. vol. 199; p. 9.
- Musical accenting device. J. F. Kelly. No. 1,086,537; Feb. 10; Gaz. vol. 199; p. 379.
- Musical apparatus. F. H. Hartzell. No. 1,088,223; Feb. 24; Gaz. vol. 199; p. 1062.
- Musical apparatus, Pneumatic and self-playing. R. A. Gally. No. 1,101,919; June 30; Gaz. vol. 203; p. 1406.
- Musical brass instruments, Mouthpiece for. F. Busch. No. 1,095,188; May 5; Gaz. vol. 202; p. 5.
- Musical chart. J. W. Scroggs. No. 1,091,865; Mar. 31; Gaz. vol. 200; p. 1260.
- Musical-chime support. J. E. Coatta. No. 1,102,388; July 7; Gaz. vol. 204; p. 58.
- Musical chimes. J. C. Deagan. No. 1,100,671; June 16; Gaz. vol. 203; p. 867.
- Musical device. E. S. Mayland. No. 1,100,898; June 23; Gaz. vol. 203; p. 1002.
- Musical instrument. T. P. Brown. No. 1,109,319; Sept. 1; Gaz. vol. 206; p. 164.
- Musical instrument. J. C. Deagan. No. 1,104,478; July 21; Gaz. vol. 204; p. 870.
- Musical instrument. G. V. Dumas. No. 1,100,422; June 16; Gaz. vol. 203; p. 787.
- Musical instrument. F. Geéb. No. 1,111,256; Sept. 22; Gaz. vol. 206; p. 971.
- Musical instrument. J. M. Putman. No. 1,092,507; Apr. 7; Gaz. vol. 201; p. 133.
- Musical instrument, Automatic. E. G. Anderson. No. 1,096,144; May 12; Gaz. vol. 202; p. 366.
- Musical instrument, Automatic. W. F. Bayer. No. 1,107,571; Aug. 18; Gaz. vol. 205; p. 787.
- Musical instrument, Automatic. E. Böcker. No. 1,115,383; Oct. 27; Gaz. vol. 207; p. 1175.
- Musical instrument, Automatic. J. C. Dehls. No. 1,096,157; May 12; Gaz. vol. 202; p. 371.
- Musical instrument, Automatic. L. H. Maier. No. 1,108,595; Aug. 25; Gaz. vol. 205; p. 1193.
- Musical instrument, Automatic. P. Wuest, Jr. No. 1,111,122; Sept. 22; Gaz. vol. 206; p. 924.
- Musical instrument, Automatic pneumatic. R. J. Bennett. No. 1,107,573; Aug. 18; Gaz. vol. 205; p. 788.
- Musical instrument, Automatic pneumatic. R. J. Bennett. No. 1,107,575; Aug. 18; Gaz. vol. 205; p. 789.
- Musical instrument, Brass. G. Rossi. No. 1,100,109; June 16; Gaz. vol. 203; p. 709.
- Musical-instrument cases, Panel-operating mechanism for. P. Welln. No. 1,091,175; Mar. 24; Gaz. vol. 200; p. 981.
- Musical-instrument controller, Automatic. A. Jameson. No. 1,109,992; Sept. 8; Gaz. vol. 206; p. 443.
- Musical instrument, Electric. M. L. Severy and G. B. Sinclair. No. 1,098,983; June 2; Gaz. vol. 203; p. 212.
- Musical instrument, Electrical. M. L. Severy and G. B. Sinclair. No. 1,104,939; July 28; Gaz. vol. 204; p. 1079.
- Musical instrument, Electrically-operated. C. Coleman. No. 1,107,495; Aug. 18; Gaz. vol. 205; p. 761.
- Musical instrument, Electromagnetic. G. Breed. No. 1,100,117; June 16; Gaz. vol. 203; p. 680.
- Musical instrument, Mechanical. H. S. Hornbeck. No. 1,102,269; July 7; Gaz. vol. 204; p. 16.
- Musical instrument, Mechanical. J. A. Weser. No. 1,088,000; Feb. 24; Gaz. vol. 199; p. 985.
- Musical-instrument pick. L. C. Knackstedt. No. 1,117,056; Nov. 10; Gaz. vol. 208; p. 592.
- Musical-instrument player, Automatic. I. B. Smith. No. 1,109,554; Sept. 1; Gaz. vol. 206; p. 243.
- Musical-instrument-playing apparatus. J. F. Kelly. No. 1,106,819; Aug. 11; Gaz. vol. 205; p. 475.
- Musical-instrument-playing apparatus. W. C. Reed. No. 1,116,327; Nov. 3; Gaz. vol. 208; p. 292.
- Musical-instrument-playing attachment. E. T. Turney. No. 1,107,557; Aug. 18; Gaz. vol. 205; p. 782.
- Musical-instrument playing attachment, Automatic. R. J. Bennett. No. 1,107,572; Aug. 18; Gaz. vol. 205; p. 787.
- Musical instrument, Pneumatic. H. J. Anderson. No. 1,116,530; Nov. 10; Gaz. vol. 208; p. 405.
- Musical instrument, Pneumatic. E. Leschbrandt. No. 1,116,345; Nov. 3; Gaz. vol. 208; p. 299.
- Musical-instrument pneumatic playing attachment. R. J. Bennett. No. 1,107,574; Aug. 18; Gaz. vol. 205; p. 788.
- Musical instrument, Pneumatic self-playing. L. B. Doman. No. 1,097,706; May 26; Gaz. vol. 202; p. 992.
- Musical instrument, Pneumatic self-playing. L. B. Doman. No. 1,118,189; Nov. 24; Gaz. vol. 208; p. 1068.
- Musical instrument, Pneumatically-actuated. P. Wigen. No. 1,110,364; Sept. 15; Gaz. vol. 206; p. 615.
- Musical instrument, Pneumatically-operated. F. Moritz. No. 1,108,385; Aug. 25; Gaz. vol. 205; p. 1120.
- Musical-instrument pumper connection. R. A. Gally. No. 1,103,872; July 14; Gaz. vol. 204; p. 621.
- Musical-instrument records, Making. S. S. Waters. No. 1,122,826; Dec. 29; Gaz. vol. 209; p. 1524.
- Musical-instrument roll-adjuster. R. A. Gally. No. 1,103,138; July 14; Gaz. vol. 204; p. 366.
- Musical-instrument-roll-gearing shift and brakes. R. A. Gally. No. 1,103,871; July 14; Gaz. vol. 204; p. 620.
- Musical instrument, Self-playing. L. B. Doman. (Re-issue.) No. 13,764; July 7; Gaz. vol. 204; p. 277.
- Musical instrument, Self-playing. L. B. Doman. No. 1,111,712; Sept. 22; Gaz. vol. 206; p. 1129.
- Musical-instrument self-playing device. R. A. Gally. No. 1,106,296; Aug. 4; Gaz. vol. 205; p. 244.
- Musical-instrument tempo-controller. R. A. Gally. No. 1,101,626; June 30; Gaz. vol. 203; p. 1306.
- Musical instruments, Automatic roll-changer for. F. L. McCormick. No. 1,110,001; Sept. 8; Gaz. vol. 206; p. 446.
- Musical instruments, Bellows-operating mechanism for mechanical. G. E. Martin. No. 1,086,927; Feb. 10; Gaz. vol. 199; p. 516.
- Musical instruments, Circuit-controlling finger for electrically-operated. W. C. Reed. No. 1,112,657; Oct. 6; Gaz. vol. 207; p. 88.
- Musical instruments, Control for self-playing. W. A. Watson. No. 1,106,998; Aug. 11; Gaz. vol. 205; p. 536.
- Musical instruments, Control mechanism for self-playing. R. A. Leadbeter. No. 1,111,799; Sept. 29; Gaz. vol. 206; p. 1197.
- Musical instruments, Cushion for mouthpieces of. A. and H. Erdahl. No. 1,101,420; June 23; Gaz. vol. 203; p. 1182.
- Musical instruments, Electromechanical action for. M. L. Severy and G. B. Sinclair. No. 1,104,282; July 21; Gaz. vol. 204; p. 802.
- Musical instruments, Electromechanical player for. J. F. White. No. 1,088,499; Feb. 24; Gaz. vol. 199; p. 1153.
- Musical instruments, Expression-controlling means for. J. F. Kelly. No. 1,103,590; July 14; Gaz. vol. 204; p. 523.
- Musical instruments, Expression device for automatic. J. Blohut. No. 1,104,867; July 28; Gaz. vol. 204; p. 1055.
- Musical instruments, Expression device for pneumatically-operated. R. A. Leadbeter. No. 1,103,213; July 14; Gaz. vol. 204; p. 394.
- Musical instruments, Folding pedal for pneumatic. T. P. Brown. No. 1,103,480; July 14; Gaz. vol. 204; p. 483.
- Musical instruments, Mechanical fingering device for stringed. C. H. and R. W. Weaver. No. 1,094,038; Apr. 21; Gaz. vol. 201; p. 725.
- Musical instruments, Mouse-guard for. J. H. Gindling. No. 1,097,857; May 26; Gaz. vol. 202; p. 1045.
- Musical instruments, Note-sheet for electrical. A. R. Trist. No. 1,120,171; Dec. 8; Gaz. vol. 209; p. 474.
- Musical instruments, Pedal and panel operating mechanism for. T. P. Brown. No. 1,100,215; June 16; Gaz. vol. 203; p. 714.
- Musical instruments, Pedal-controlled rheostat for. M. L. Severy and G. B. Sinclair. No. 1,097,053; May 19; Gaz. vol. 202; p. 720.
- Musical instruments, Pedaling mechanism for. L. H. Maier. No. 1,108,199; Aug. 25; Gaz. vol. 205; p. 1054.
- Musical instruments, Phrasing-bar for. I. B. Smith. No. 1,112,166; Sept. 29; Gaz. vol. 206; p. 1321.
- Musical instruments, Playing attachment for stringed. G. L. Reynolds. No. 1,115,865; Nov. 3; Gaz. vol. 208; p. 136.
- Musical instruments, Pneumatic action for. P. I. Burks. No. 1,105,248; July 28; Gaz. vol. 204; p. 1186.
- Musical instruments, Pneumatic action for. E. T. Turney. No. 1,118,249; Nov. 24; Gaz. vol. 208; p. 1088.
- Musical instruments, Pneumatic action for automatically operated. R. A. Leadbeter. No. 1,118,294; Nov. 24; Gaz. vol. 208; p. 1104.
- Musical instruments, Pneumatic governor for. W. B. and A. E. Tunstall. No. 1,088,306; Feb. 24; Gaz. vol. 199; p. 1090.
- Musical instruments, Pneumatic playing attachment for. R. J. Bennett. No. 1,089,358; Mar. 3; Gaz. vol. 200; p. 233.
- Musical instruments, Pneumatic playing attachment for. R. J. Bennett. No. 1,118,261; Nov. 24; Gaz. vol. 208; p. 1092.
- Musical instruments, Pneumato-electric tracker-bar for. C. W. Dorcott. No. 1,088,884; Mar. 3; Gaz. vol. 200; p. 72.
- Musical instruments, Pulsation-producing device for electrical. M. L. Severy and G. B. Sinclair. No. 1,111,866; Sept. 29; Gaz. vol. 206; p. 1221.
- Musical instruments, Pump-operating means for. T. Dan-guard. No. 1,118,476; Nov. 24; Gaz. vol. 208; p. 1172.
- Musical instruments, Pumping device for. T. P. Brown. No. 1,100,214; June 16; Gaz. vol. 203; p. 714.
- Musical instruments, Recording and indicating device for. S. S. Waters. No. 1,103,553; July 14; Gaz. vol. 204; p. 507.
- Musical instruments, Reed-clamp for. G. S. Hershey. No. 1,085,684; Feb. 3; Gaz. vol. 199; p. 37.
- Musical instruments, Spool-operating device for. A. Nordeen and A. Krell. No. 1,089,721; Mar. 10; Gaz. vol. 200; p. 407.
- Musical instruments, Staccato mechanism for. R. Hope-Jones. No. 1,115,541; Nov. 3; Gaz. vol. 208; p. 26.
- Musical instruments, Stop-operating device for. R. Hope-Jones. No. 1,113,439; Oct. 13; Gaz. vol. 207; p. 403.

Alphabetical list of inventions—Continued.

- Musical instruments, Timbre-controller for electric. M. L. Severy and G. B. Sinclair. No. 1,110,012; Sept. 8; Gaz. vol. 206; p. 449.
- Musical instruments, Tracker-board for self-playing. F. W. Smith. No. 1,111,328; Sept. 22; Gaz. vol. 206; p. 995.
- Musical instruments, Tracker-box for mechanical. W. F. Cooper. No. 1,095,554; May 5; Gaz. vol. 202; p. 131.
- Musical instruments, Tracker device for automatic. C. S. Burton. No. 1,087,920; Feb. 24; Gaz. vol. 199; p. 955.
- Musical instruments, Tracker for automatic. C. S. Burton. No. 1,098,881; June 2; Gaz. vol. 203; p. 178.
- Musical instruments, Tracker mechanism for. J. T. Austin. No. 1,099,907; June 16; Gaz. vol. 203; p. 607.
- Musical instruments, Valve for brass wind. J. H. Gardner. No. 1,112,444; Oct. 6; Gaz. vol. 207; p. 10.
- Musical instruments, Valve mechanism for. J. H. Chase. No. 1,087,901; Feb. 17; Gaz. vol. 199; p. 902.
- Musical instruments, Winding and rewinding device for automatic. F. W. Hempelmann. No. 1,091,658; Mar. 31; Gaz. vol. 200; p. 1187.
- Musical instruments working with a plurality of records, Automatic playing mechanism for. A. and O. Philipps. No. 1,115,735; Nov. 3; Gaz. vol. 208; p. 91.
- Musical string instruments, Tuning-peg for. E. Glaesel. No. 1,083,736; Jan. 6; Gaz. vol. 198; p. 159.
- Musical tones, Recording. C. F. Stoddard. No. 1,095,128; Apr. 28; Gaz. vol. 201; p. 1159.
- Musical wind instrument. W. S. Haynes. No. 1,119,954; Dec. 8; Gaz. vol. 209; p. 398.
- Musical wind instrument. L. F. Kloeppel. No. 1,122,207; Dec. 22; Gaz. vol. 209; p. 1270.
- Mustard vessel. T. Van Everdingen. No. 1,117,281; Nov. 17; Gaz. vol. 208; p. 711.
- Myringoscope. G. G. Carroll. No. 1,106,699; Aug. 11; Gaz. vol. 205; p. 433.
- Nail: See Expansion-nail.
- Nail. G. B. Evans. No. 1,109,328; Sept. 1; Gaz. vol. 206; p. 168.
- Nail. L. D. Fowler. No. 1,099,172; June 9; Gaz. vol. 203; p. 317.
- Nail. G. A. Noetzel and W. P. Ferris. No. 1,117,429; Nov. 17; Gaz. vol. 208; p. 763.
- Nail-distributing machine. A. Bingham and W. Pratt. No. 1,119,793; Dec. 8; Gaz. vol. 209; p. 342.
- Nail-extracting claw. P. J. Leavens. No. 1,108,766; Aug. 25; Gaz. vol. 205; p. 1250.
- Nail-extractor. F. G. Wilson. No. 1,114,837; Oct. 27; Gaz. vol. 207; p. 985.
- Nail-extractor. G. Wodtli. No. 1,105,946; Aug. 4; Gaz. vol. 205; p. 126.
- Nail-file and cuticle-knife, Combined. A. Henkel. No. 1,113,168; Oct. 6; Gaz. vol. 207; p. 261.
- Nail machine, Wire-. H. Gärtner. No. 1,098,244; May 26; Gaz. vol. 202; p. 1181.
- Nail or driven fastening. G. O'Neill. No. 1,100,252; June 16; Gaz. vol. 203; p. 727.
- Nail or tack heading apparatus. A. H. Brigham. No. 1,105,613; Aug. 4; Gaz. vol. 205; p. 9.
- Nail or tack heading apparatus. A. H. Brigham. No. 1,105,614; Aug. 4; Gaz. vol. 205; p. 9.
- Nail-packing machine. J. S. Phifer. No. 1,096,641; May 12; Gaz. vol. 202; p. 535.
- Nail-pointing mechanism. W. H. Johnson. No. 1,119,356; Dec. 1; Gaz. vol. 209; p. 157.
- Nailing press, Box-. W. G. Snow. No. 1,102,992; July 7; Gaz. vol. 204; p. 266.
- Nail-pulling nippers, Farrier's. P. Broadbooks. No. 1,090,020; Mar. 10; Gaz. vol. 200; p. 510.
- Nail-set. R. E. A. De Bow. No. 1,112,056; Sept. 29; Gaz. vol. 206; p. 1283.
- Nail-shield. J. M. Thorp. No. 1,084,870; Jan. 20; Gaz. vol. 198; p. 596.
- Nail-stripper. F. W. Simons. No. 1,117,454; Nov. 17; Gaz. vol. 208; p. 772.
- Nails, Machine for applying lead heads to. M. F. Tuculet. No. 1,118,706; Nov. 24; Gaz. vol. 208; p. 1251.
- Nails, Machine for manufacturing spring-headed. F. Gold. No. 1,093,398; Apr. 14; Gaz. vol. 201; p. 473.
- Nailing-machine. H. W. Morgan. No. 1,091,691; Mar. 31; Gaz. vol. 200; p. 1197.
- Nailing-machine, Automatic. T. G. Cummings. No. 1,109,739; Sept. 8; Gaz. vol. 206; p. 353.
- Nailing-machine, String. S. A. Dobyne. No. 1,091,299; Mar. 24; Gaz. vol. 200; p. 1022.
- Nailing-machines, Awl mechanism for. L. E. Johnson. No. 1,109,844; Sept. 8; Gaz. vol. 206; p. 389.
- Name-plate. W. J. Hines. No. 1,091,574; Mar. 31; Gaz. vol. 200; p. 1157.
- Napkin-holder. F. J. Anderson. No. 1,112,964; Oct. 6; Gaz. vol. 207; p. 192.
- Napkin, Sanitary. G. Rinke. No. 1,107,447; Aug. 18; Gaz. vol. 205; p. 744.
- Napkins, Sanitary support for. D. Nesgood. No. 1,103,815; July 14; Gaz. vol. 204; p. 601.
- Napping-machine. H. S. Greene. No. 1,100,557; June 16; Gaz. vol. 203; p. 830.
- Napping-machine. H. S. Greene. No. 1,100,558; June 16; Gaz. vol. 203; p. 831.
- Nautical apparatus. H. Huntington. No. 1,093,186; Apr. 14; Gaz. vol. 201; p. 400.
- Naval tracer, Tactical. F. Spalazzi. No. 1,084,907; Jan. 20; Gaz. vol. 198; p. 607.
- Navigation device. H. S. Gist. No. 1,098,621; June 2; Gaz. vol. 203; p. 91.
- Navigation in air and water, Driving and sustaining surfaces applicable to. A. P. Filippi. No. 1,103,188; July 14; Gaz. vol. 204; p. 385.
- Navigation instruments, Cover for. J. L. H. Hand. No. 1,092,645; Apr. 7; Gaz. vol. 201; p. 181.
- Navigator, Mechanical. H. M. Jensen, H. H. J. Benson, and J. W. Lewis. No. 1,101,128; June 23; Gaz. vol. 203; p. 1083.
- Navigator's apparatus. I. G. Sundell. No. 1,104,844; July 28; Gaz. vol. 204; p. 1046.
- Neck-making machine. B. Rous. No. 1,098,461; June 2; Gaz. vol. 203; p. 36.
- Neck-making machines, Cutting mechanism for. B. Rous. No. 1,086,223; Feb. 3; Gaz. vol. 199; p. 226.
- Neck-making machines, Forming-block and its appurtenances for. B. Rous. No. 1,086,224; Feb. 3; Gaz. vol. 199; p. 227.
- Neck-pad. R. Dittmer. No. 1,083,668; Jan. 6; Gaz. vol. 198; p. 135.
- Neck-pad. J. G. Friberg. No. 1,101,425; June 23; Gaz. vol. 203; p. 1184.
- Neck-pad. J. G. Friberg. No. 1,102,901; July 7; Gaz. vol. 204; p. 235.
- Neck shield and pad. E. Schurr. No. 1,113,840; Oct. 13; Gaz. vol. 207; p. 542.
- Necktie. J. H. Bracken. No. 1,100,169; June 16; Gaz. vol. 203; p. 699.
- Necktie. M. J. Cohen. No. 1,104,411; July 21; Gaz. vol. 204; p. 846.
- Necktie. J. F. Jacobson. No. 1,090,719; Mar. 17; Gaz. vol. 200; p. 791.
- Necktie. C. Seidman. No. 1,095,740; May 5; Gaz. vol. 202; p. 194.
- Necktie. W. L. Van Nostran. No. 1,100,164; June 16; Gaz. vol. 203; p. 697.
- Necktie. A. Wechsler. No. 1,086,493; Feb. 10; Gaz. vol. 199; p. 364.
- Necktie-adjuster. F. A. McGinnis. No. 1,087,314; Feb. 17; Gaz. vol. 199; p. 699.
- Necktie attachment. T. J. Blagg. No. 1,096,410; May 12; Gaz. vol. 202; p. 457.
- Necktie attachment. A. C. Weyburn and G. H. Lippman. No. 1,122,180; Dec. 22; Gaz. vol. 209; p. 1261.
- Necktie-clasp. E. P. Tobie. No. 1,105,542; July 28; Gaz. vol. 204; p. 1291.
- Necktie-fastener. C. F. Elmore. No. 1,109,283; Sept. 1; Gaz. vol. 206; p. 151.
- Necktie-fastener. W. H. Laude and F. Puleston. No. 1,094,795; Apr. 28; Gaz. vol. 201; p. 1046.
- Necktie form and holder. G. P. Humphrey. No. 1,116,892; Nov. 10; Gaz. vol. 208; p. 536.
- Necktie former and holder. T. H. Noonan. No. 1,121,123; Dec. 15; Gaz. vol. 209; p. 360.
- Necktie frame or fastener. A. O'Malley. No. 1,083,754; Jan. 6; Gaz. vol. 198; p. 165.
- Necktie-guide. C. H. McElroy. No. 1,121,521; Dec. 15; Gaz. vol. 209; p. 995.
- Necktie-holder. G. E. Chandler. No. 1,091,191; Mar. 24; Gaz. vol. 200; p. 987.
- Necktie-holder. S. L. Gedney. No. 1,121,086; Dec. 15; Gaz. vol. 209; p. 845.
- Necktie-holder. V. F. Jones. No. 1,109,680; Sept. 8; Gaz. vol. 206; p. 332.
- Necktie-holder. M. Rosenfield. No. 1,100,492; June 16; Gaz. vol. 203; p. 809.
- Necktie-holder. E. T. Scanlan. No. 1,099,941; June 16; Gaz. vol. 203; p. 619.
- Necktie-holder. S. Turner. No. 1,122,337; Dec. 29; Gaz. vol. 209; p. 1354.
- Necktie-holder, Folding. L. Hauser. No. 1,112,611; Oct. 6; Gaz. vol. 207; p. 72.
- Necktie-presser. J. E. Burdett. No. 1,102,569; July 7; Gaz. vol. 204; p. 123.
- Necktie-retainer. A. E. Thompson. No. 1,100,271; June 16; Gaz. vol. 203; p. 734.
- Necktie-roll. J. P. Sauerwald. No. 1,113,055; Oct. 6; Gaz. vol. 207; p. 222.
- Neckties, Device for holding ornaments on. E. W. Carpenter. No. 1,122,073; Dec. 22; Gaz. vol. 209; p. 1226.
- Neckties, Easy-slide holder for. L. A. Priess. No. 1,095,736; May 5; Gaz. vol. 202; p. 192.
- Neckwear. W. A. Keys. No. 1,098,908; June 2; Gaz. vol. 203; p. 188.
- Neckwear. W. A. Keys. (Reissue.) No. 13,818; Oct. 27; Gaz. vol. 207; p. 1212.
- Neckwear. W. A. Keys. No. 1,122,946; Dec. 29; Gaz. vol. 209; p. 1565.
- Neckwear. G. W. Mills, Jr. No. 1,109,858; Sept. 8; Gaz. vol. 206; p. 395.
- Neckwear. W. E. Webb, Jr. No. 1,101,769; June 30; Gaz. vol. 203; p. 1353.
- Neckwear, Adjustable. G. W. Cooper. No. 1,110,187; Sept. 8; Gaz. vol. 206; p. 514.

Alphabetical list of inventions—Continued.

- Needle. W. C. Lipe. No. 1,115,469; Oct. 27; Gaz. vol. 207; p. 1205.
- Needle, Bloat-. W. F. Sweet. No. 1,083,567; Jan. 6; Gaz. vol. 198; p. 102.
- Needle, Broom-sewing. J. B. Eagleston. No. 1,118,190; Nov. 24; Gaz. vol. 208; p. 1069.
- Needle-case. A. F. Brabant. No. 1,088,057; Feb. 24; Gaz. vol. 199; p. 1005.
- Needle-case. A. F. Brabant. No. 1,106,773; Aug. 11; Gaz. vol. 205; p. 459.
- Needle-changing device. T. H. Price and H. R. Wheeldon. No. 1,100,910; June 23; Gaz. vol. 203; p. 1006.
- Needle-cylinder mechanism. H. A. Houseman. No. 1,112,907; Oct. 6; Gaz. vol. 207; p. 173.
- Needle, Eyeless. P. R. Minahan. No. 1,106,667; Aug. 11; Gaz. vol. 205; p. 423.
- Needle, Larding-. C. M. Maisel. No. 1,086,926; Feb. 10; Gaz. vol. 199; p. 516.
- Needle, Larding-. G. H. Peterson. No. 1,100,907; June 23; Gaz. vol. 203; p. 1005.
- Needle, Meat-. C. M. Maisel. No. 1,087,026; Feb. 10; Gaz. vol. 199; p. 547.
- Needle-package. E. L. Allen. No. 1,101,380; June 23; Gaz. vol. 203; p. 1168.
- Needle, Ripping-. G. A. Lewis. No. 1,098,579; June 2; Gaz. vol. 203; p. 78.
- Needle, Salvarsan-. J. H. Stevens. No. 1,087,845; Feb. 17; Gaz. vol. 199; p. 884.
- Needle, Surgical. C. D. Lukens. No. 1,122,210; Dec. 22; Gaz. vol. 209; p. 1271.
- Needle, Tatting-. E. A. Buff. No. 1,116,792; Nov. 10; Gaz. vol. 208; p. 501.
- Needle-threader. W. W. Martin. No. 1,115,851; Nov. 3; Gaz. vol. 208; p. 131.
- Needle-threader. G. B. Rowe. No. 1,117,522; Nov. 17; Gaz. vol. 208; p. 796.
- Needle-threader. W. J. Sheehy. No. 1,087,691; Feb. 17; Gaz. vol. 199; p. 833.
- Needle-threading device. H. Hertel. No. 1,090,916; Mar. 24; Gaz. vol. 200; p. 890.
- Needles having bulges at both sides of a groove previously produced by stamping, Producing the ears in. W. Bühren. No. 1,103,481; July 14; Gaz. vol. 204; p. 483.
- Negative, Mechanically-produced. G. W. Scritsmier. No. 1,090,240; Mar. 17; Gaz. vol. 200; p. 628.
- Negative or positive plates, Making. H. L. Shawcross. No. 1,090,886; Mar. 24; Gaz. vol. 200; p. 880.
- Negatives, Producing mechanical. O. Dodge. No. 1,120,913; Dec. 15; Gaz. vol. 209; p. 786.
- Negotiable instrument. F. T. Crichton. No. 1,089,113; Mar. 3; Gaz. vol. 200; p. 151.
- Nest. E. Swanson. No. 1,089,984; Mar. 10; Gaz. vol. 200; p. 497.
- Nest, Automatic hen's. S. G. Oglesby. No. 1,084,752; Jan. 20; Gaz. vol. 198; p. 556.
- Nest, Automatic trap-. F. N. Brown. No. 1,096,017; May 12; Gaz. vol. 202; p. 323.
- Nest for poultry, Trap-. G. H. Chapman. No. 1,105,403; July 28; Gaz. vol. 204; p. 1243.
- Nest, Hen's. M. Alexander. No. 1,083,980; Jan. 13; Gaz. vol. 198; p. 268.
- Nest, Hen's. H. G. Bonner. No. 1,093,602; Apr. 21; Gaz. vol. 201; p. 579.
- Nest, Hen's. D. R. Burns. No. 1,110,108; Sept. 8; Gaz. vol. 206; p. 485.
- Nest, Hen's. P. L. Haakenson. No. 1,096,300; May 12; Gaz. vol. 202; p. 420.
- Nest, Hen's. M. Hagie. No. 1,118,198; Nov. 24; Gaz. vol. 208; p. 1072.
- Nest, Hen's. H. C. Hazelwood. No. 1,121,498; Dec. 15; Gaz. vol. 209; p. 987.
- Nest, Hen's. J. A. Leighton. No. 1,111,310; Sept. 22; Gaz. vol. 206; p. 989.
- Nest, Hen's. E. C. Mathews. No. 1,106,517; Aug. 11; Gaz. vol. 205; p. 369.
- Nest, Hen's. L. F. Reichardt. No. 1,084,963; Jan. 20; Gaz. vol. 198; p. 626.
- Nest, Trap-. E. O. Branington. No. 1,118,262; Nov. 24; Gaz. vol. 208; p. 1093.
- Nest, Trap-. R. F. Briner. No. 1,102,386; July 7; Gaz. vol. 204; p. 57.
- Nest, Trap-. F. J. Carlson. No. 1,085,663; Feb. 3; Gaz. vol. 199; p. 29.
- Nest, Trap-. L. Downs. No. 1,093,550; Apr. 14; Gaz. vol. 201; p. 518.
- Nest, Trap-. A. G. R. Keller. No. 1,112,217; Sept. 29; Gaz. vol. 206; p. 1339.
- Nest, Trap-. J. M. Sargent. No. 1,117,524; Nov. 17; Gaz. vol. 208; p. 796.
- Net, Landing-. G. A. Borgardt. No. 1,088,766; Mar. 3; Gaz. vol. 200; p. 31.
- Net-machine. D. H. Saunders. No. 1,110,718; Sept. 15; Gaz. vol. 206; p. 742.
- Net-making machines, Shuttle-carrier mechanism for. P. Kordt. No. 1,099,057; June 2; Gaz. vol. 203; p. 235.
- Net, Minnow-. A. D. Meagley. No. 1,084,892; Jan. 20; Gaz. vol. 198; p. 603.
- Net, Shrimp-. C. Cheting. No. 1,103,173; July 14; Gaz. vol. 204; p. 379.
- Newspaper-clip. A. Robertson and M. L. Woodall. No. 1,119,315; Dec. 1; Gaz. vol. 209; p. 142.
- Newspaper-rack, Portable. A. E. MacKinnon. No. 1,089,569; Mar. 10; Gaz. vol. 200; p. 355.
- Newspaper-stand. L. L. McLane. No. 1,098,818; June 2; Gaz. vol. 203; p. 156.
- Newspaper, &c., supporting stand. S. Przespolewski. No. 1,114,183; Oct. 20; Gaz. vol. 207; p. 703.
- Newspaper wrapping and labeling machine. E. T. Peterson. No. 1,113,823; Oct. 13; Gaz. vol. 207; p. 536.
- Nickel from its ores, Recovery of. H. L. Sulman and H. F. K. Picard. No. 1,091,545; Mar. 31; Gaz. vol. 200; p. 1147.
- Nickel from mixtures of nickel and other metals, Extraction of. H. E. Fierz. No. 1,103,747; July 14; Gaz. vol. 204; p. 578.
- Nipper, Police-. J. Murphy. No. 1,102,943; July 7; Gaz. vol. 204; p. 249.
- Nipple. P. Buehner. No. 1,106,542; Aug. 11; Gaz. vol. 205; p. 378.
- Nipple. E. T. Reschke. No. 1,122,306; Dec. 29; Gaz. vol. 209; p. 1344.
- Nipple-chuck. V. R. Koontz. No. 1,118,781; Nov. 24; Gaz. vol. 208; p. 1275.
- Nipple for nursing-bottles. J. C. Poore. No. 1,095,969; May 5; Gaz. vol. 202; p. 269.
- Nipple-turning device. E. J. D. Desloge. No. 1,113,605; Oct. 13; Gaz. vol. 207; p. 459.
- Nitrate of lime, Effecting solidification of fluid. M. Scharff. No. 1,112,722; Oct. 6; Gaz. vol. 207; p. 111.
- Nitrates and nitrites from nitrate-nitrite mixtures, Obtaining. E. Collett. No. 1,110,481; Sept. 15; Gaz. vol. 206; p. 658.
- Nitrates, Production of commercially-pure. C. Bosch and W. Wild. No. 1,115,164; Oct. 27; Gaz. vol. 207; p. 1102.
- Nitro bodies, Purification of. O. Silberrad. No. 1,095,937; May 5; Gaz. vol. 202; p. 259.
- Nitro products from petroleum and tar, Manufacture of. A. S. Flexer. No. 1,099,976; June 16; Gaz. vol. 203; p. 631.
- Nitrocellulose and similar substances, Making compounds of. D. Bachrach. (Reissue.) No. 13,793; Sept. 1; Gaz. vol. 206; p. 281.
- Nitrocellulose, Preparation of. K. Schniter. No. 1,093,012; Apr. 14; Gaz. vol. 201; p. 339.
- Nitrogen and making compounds therefrom, Obtaining. T. L. Willson and M. M. Haff. No. 1,084,774; Jan. 20; Gaz. vol. 198; p. 564.
- Nitrogen compounds, Apparatus for manufacturing. T. Fujiyama. No. 1,090,391; Mar. 17; Gaz. vol. 200; p. 681.
- Nitrogen compounds, Making. O. Frank and O. Fincke. No. 1,101,424; June 23; Gaz. vol. 203; p. 1184.
- Nitrogen, Cyclical process of fixing atmospheric. K. F. Cooper. No. 1,100,539; June 16; Gaz. vol. 203; p. 825.
- Nitrogen, Fixing. J. E. Bucher. No. 1,091,425; Mar. 24; Gaz. vol. 200; p. 1061.
- Nitrogen, Fixing. J. E. Bucher. No. 1,113,598; Oct. 13; Gaz. vol. 207; p. 457.
- Nitrogen, Fixing. J. E. Bucher. No. 1,113,599; Oct. 13; Gaz. vol. 207; p. 457.
- Nitrogen, Fixing. J. E. Bucher. No. 1,120,682; Dec. 15; Gaz. vol. 209; p. 704.
- Nitrogen, Method and means for fixing. W. S. Landis. No. 1,103,060; July 14; Gaz. vol. 204; p. 338.
- Nitrogen, Method of and apparatus for fixing. W. S. Landis. No. 1,103,062; July 14; Gaz. vol. 204; p. 339.
- Nitrogen, Process and apparatus for fixing atmospheric. W. S. Landis. No. 1,103,061; July 14; Gaz. vol. 204; p. 339.
- Nitrogen, Producing oxids of. H. Wolf. No. 1,094,182; Apr. 21; Gaz. vol. 201; p. 775.
- Nitrogen simultaneously with oxids of nitrogen, Producing. M. Rohmer. No. 1,096,392; May 12; Gaz. vol. 202; p. 451.
- Nitrogen simultaneously with oxids of nitrogen, Producing. M. Rohmer. No. 1,096,393; May 12; Gaz. vol. 202; p. 451.
- Nitrogenous compounds, Making. T. B. Allen. No. 1,093,819; Apr. 21; Gaz. vol. 201; p. 653.
- Nitrous oxid, Manufacture of. C. Torley and O. Matter. No. 1,098,305; May 26; Gaz. vol. 202; p. 1203.
- Nitrous vapors in the dry and with heat by the aid of a base such as lime, Process and apparatus for absorbing. A. T. Schloesing. No. 1,092,295; Apr. 7; Gaz. vol. 201; p. 60.
- Noise-making apparatus. A. H. Moorhouse. No. 1,103,217; July 14; Gaz. vol. 204; p. 395.
- Non-skid device. J. Kopecky. No. 1,111,072; Sept. 22; Gaz. vol. 206; p. 908.
- Non-skid device. J. Sadus. No. 1,099,939; June 16; Gaz. vol. 203; p. 618.
- Non-skid device. A. Slipcevic. No. 1,105,931; Aug. 4; Gaz. vol. 205; p. 121.
- Non-skid link. M. Alaksin. No. 1,110,524; Sept. 15; Gaz. vol. 206; p. 673.
- Non-skidder. W. Wenom. No. 1,083,644; Jan. 6; Gaz. vol. 198; p. 128.

Alphabetical list of inventions—Continued.

- Non-skidding attachment for automobile-wheels. D. J. Penno. No. 1,105,374; July 28; Gaz. vol. 204; p. 1234.
- Non-skidding attachment for wheels. R. Jablonski. No. 1,107,953; Aug. 18; Gaz. vol. 205; p. 919.
- Non-skidding device. J. Bropson. No. 1,110,107; Sept. 8; Gaz. vol. 206; p. 485.
- Non-skidding device. P. Panchula. No. 1,099,513; June 9; Gaz. vol. 203; p. 435.
- Non-skidding device. J. Wielob6b. No. 1,115,636; Nov. 3; Gaz. vol. 208; p. 58.
- Non-slipping device. H. D. Puffe. No. 1,118,800; Nov. 24; Gaz. vol. 208; p. 1281.
- Noodle-folding machine. A. Wild. No. 1,108,294; Aug. 25; Gaz. vol. 205; p. 1089.
- Noodle-forming machine. A. Wild. No. 1,090,509; Mar. 17; Gaz. vol. 200; p. 723.
- Nose-bag. G. J. Motter. No. 1,109,135; Sept. 1; Gaz. vol. 206; p. 97.
- Nose-bag support. J. W. Wenger. No. 1,084,985; Jan. 20; Gaz. vol. 198; p. 633.
- Nose-shaping device. A. D. Rostow. No. 1,100,991; June 23; Gaz. vol. 203; p. 1036.
- Notching-machine. H. A. Greene. No. 1,105,074; July 28; Gaz. vol. 204; p. 1126.
- Note-sheet. P. Wuest, Jr. No. 1,111,121; Sept. 22; Gaz. vol. 206; p. 924.
- Note-sheet controller. M. Verstraelen. No. 1,102,969; July 7; Gaz. vol. 204; p. 258.
- Note-sheet-guiding device. W. M. Stone. No. 1,105,046; July 28; Gaz. vol. 204; p. 1116.
- Novelty device. E. C. Swinnerton. No. 1,097,891; May 26; Gaz. vol. 202; p. 1058.
- Nozzle. H. Birnbaum. No. 1,093,907; Apr. 21; Gaz. vol. 201; p. 683.
- Nozzle. C. F. Coda. No. 1,116,387; Nov. 10; Gaz. vol. 208; p. 354.
- Nozzle. W. H. Coles. No. 1,104,965; July 28; Gaz. vol. 204; p. 1088.
- Nozzle. W. Czarnecki. No. 1,099,028; June 2; Gaz. vol. 203; p. 226.
- Nozzle. E. K. Hand. No. 1,087,086; Feb. 10; Gaz. vol. 199; p. 567.
- Nozzle. C. J. Myers. No. 1,112,311; Sept. 29; Gaz. vol. 206; p. 1372.
- Nozzle and method of distributing liquids, Spray-. A. G. Eneas. No. 1,101,264; June 23; Gaz. vol. 203; p. 1129.
- Nozzle and valve, Acid-proof air-. B. MacDonald. No. 1,116,308; Nov. 3; Gaz. vol. 208; p. 285.
- Nozzle, Exhaust-. F. A. Goodfellow. No. 1,122,733; Dec. 29; Gaz. vol. 209; p. 1491.
- Nozzle for ladles, Pouring-. J. E. Sheaffer. No. 1,099,769; June 9; Gaz. vol. 203; p. 522.
- Nozzle for oil-distributors. H. K. Potter. No. 1,084,359; Jan. 13; Gaz. vol. 198; p. 395.
- Nozzle for pneumatic cleaners. J. F. Boyn. No. 1,106,695; Aug. 11; Gaz. vol. 205; p. 431.
- Nozzle for ventilating and humidifying apparatus. P. Kestner. No. 1,093,996; Apr. 21; Gaz. vol. 201; p. 712.
- Nozzle, Fountain spray-. J. Loosen. No. 1,084,094; Jan. 13; Gaz. vol. 198; p. 307.
- Nozzle-plug. A. R. Dodge. No. 1,119,581; Dec. 1; Gaz. vol. 209; p. 236.
- Nozzle-pug for flow-meters. J. Wilkinson. No. 1,110,023; Sept. 8; Gaz. vol. 206; p. 454.
- Nozzle, Sand-blast. A. Carter. No. 1,107,244; Aug. 11; Gaz. vol. 205; p. 623.
- Nozzle, Smoke-consumer. T. E. McCall. No. 1,099,990; June 16; Gaz. vol. 203; p. 635.
- Nozzle, Spray-. L. E. Fitzsimons. No. 1,087,006; Feb. 10; Gaz. vol. 199; p. 541.
- Nozzle, Spray-. P. A. Myers. No. 1,121,654; Dec. 22; Gaz. vol. 209; p. 1078.
- Nozzle, Spray-. N. A. Wright. No. 1,095,134; Apr. 28; Gaz. vol. 201; p. 1162.
- Nozzle, Spraying or sprinkling. J. L. Sargent. No. 1,112,416; Sept. 29; Gaz. vol. 206; p. 1410.
- Nozzle, Steam-exhaust. F. T. Hayward and W. P. Sanderson. No. 1,105,514; July 28; Gaz. vol. 204; p. 1281.
- Nozzle, Suction-cleaning. C. L. Goughnour. No. 1,110,439; Sept. 15; Gaz. vol. 206; p. 642.
- Nozzle, Vacuum-cleaner. C. S. Hill. No. 1,109,069; Sept. 1; Gaz. vol. 206; p. 75.
- Nozzle, Variable-spray. J. Loosen. No. 1,093,340; Apr. 14; Gaz. vol. 201; p. 453.
- Nozzle, Water-spray. A. W. Fischer. No. 1,118,118; Nov. 24; Gaz. vol. 208; p. 1045.
- Nozzles in elastic-fluid turbines. O. Junggren. No. 1,118,352; Nov. 24; Gaz. vol. 208; p. 1126.
- Number-bracket. J. E. Solt. No. 1,100,626; June 16; Gaz. vol. 203; p. 853.
- Number-displayer. H. H. Melanson. No. 1,097,984; May 26; Gaz. vol. 202; p. 1093.
- Number-displaying device. G. A. Jenner. No. 1,107,525; Aug. 18; Gaz. vol. 205; p. 770.
- Number, Illuminated. C. H. Sweigle. No. 1,100,160; June 16; Gaz. vol. 203; p. 696.
- Number-plate bracket, License-. F. A. Wernig. No. 1,090,897; Mar. 24; Gaz. vol. 200; p. 883.
- Numbering-machine. T. H. Boss. No. 1,091,279; Mar. 24; Gaz. vol. 200; p. 1015.
- Numbering-machine. C. L. Johnston. No. 1,102,588; July 7; Gaz. vol. 204; p. 129.
- Numbering-machine. M. W. Phillips. No. 1,091,240; Mar. 24; Gaz. vol. 200; p. 1004.
- Numbering-machine. W. W. Sawyer and E. H. Jungk. No. 1,089,677; Mar. 10; Gaz. vol. 200; p. 392.
- Numbering mechanism. H. L. Jensen. No. 1,103,049; July 14; Gaz. vol. 204; p. 335.
- Nurling-machine. L. A. Casgrain. No. 1,092,894; Apr. 14; Gaz. vol. 201; p. 299.
- Nurling-tool. R. D. Babson. No. 1,116,005; Nov. 3; Gaz. vol. 208; p. 184.
- Nurling-tool. C. R. Schley. No. 1,112,662; Oct. 6; Gaz. vol. 207; p. 90.
- Nursery-chair. E. C. Globensky. No. 1,111,305; Sept. 22; Gaz. vol. 206; p. 988.
- Nursery-chair. A. K. Nixon. No. 1,085,468; Jan. 27; Gaz. vol. 198; p. 835.
- Nursing device. W. M. Decker. No. 1,099,082; June 2; Gaz. vol. 203; p. 241.
- Nursing device. W. M. Decker. No. 1,106,927; Aug. 11; Gaz. vol. 205; p. 513.
- Nut. H. G. Carlson. No. 1,116,241; Nov. 3; Gaz. vol. 208; p. 264.
- Nut. A. T. Crane. No. 1,106,082; Aug. 4; Gaz. vol. 205; p. 173.
- Nut. W. J. McIntyre. No. 1,109,347; Sept. 1; Gaz. vol. 206; p. 175.
- Nut. C. H. Newton. No. 1,086,687; Feb. 10; Gaz. vol. 199; p. 432.
- Nut. W. Randolph. No. 1,102,686; July 7; Gaz. vol. 204; p. 162.
- Nut. E. L. Shivers. No. 1,086,944; Feb. 10; Gaz. vol. 199; p. 521.
- Nut and bolt construction. C. A. Hayden. No. 1,110,203; Sept. 8; Gaz. vol. 206; p. 519.
- Nut and bolt lock. E. R. Ames. No. 1,097,205; May 19; Gaz. vol. 202; p. 775.
- Nut and bolt lock. J. R. Baker. No. 1,100,939; June 23; Gaz. vol. 203; p. 1018.
- Nut and bolt lock. H. H. Walton and P. Gotwalt. No. 1,083,471; Jan. 6; Gaz. vol. 198; p. 71.
- Nut and bolt, Lock. B. L. Dudley. No. 1,100,173; June 16; Gaz. vol. 203; p. 700.
- Nut and making same, Self-locking. D. O. Ward. No. 1,087,056; Feb. 10; Gaz. vol. 199; p. 556.
- Nut and making the same, Sheet-metal. A. H. Moore. No. 1,088,437; Feb. 24; Gaz. vol. 199; p. 1134.
- Nut and making the same, Sheet-metal. W. R. Webster. No. 1,088,641; Feb. 24; Gaz. vol. 199; p. 1199.
- Nut and pipe wrench. F. J. Hanrahan. No. 1,109,061; Sept. 1; Gaz. vol. 206; p. 73.
- Nut-blank. W. S. Bidle and J. A. Costello. No. 1,101,677; June 30; Gaz. vol. 203; p. 1323.
- Nut-blank machine, Double-acting automatic. W. L. Ward, E. C. Boerner, and H. D. Remsen. No. 1,088,192; Feb. 24; Gaz. vol. 199; p. 1052.
- Nut blank, Self-locking. D. O. Ward. No. 1,101,501; June 23; Gaz. vol. 203; p. 1212.
- Nut-blanks, Shaping. P. H. McCain. No. 1,087,313; Feb. 17; Gaz. vol. 199; p. 699.
- Nut, Coupling-. S. L. Kneass. No. 1,103,591; July 14; Gaz. vol. 204; p. 523.
- Nut-cracking device. M. M. Gillam. No. 1,107,288; Aug. 18; Gaz. vol. 205; p. 686.
- Nut-cracking device, Combination. R. A. Parsons. No. 1,099,996; June 16; Gaz. vol. 203; p. 638.
- Nut-crowning machine. R. H. Smith. No. 1,113,702; Oct. 13; Gaz. vol. 207; p. 493.
- Nut-facing machine. V. R. Koontz. No. 1,114,151; Oct. 20; Gaz. vol. 207; p. 689.
- Nut-holding chuck. W. T. Lingo. No. 1,087,024; Feb. 10; Gaz. vol. 199; p. 547.
- Nut-lock. M. Ackerman. No. 1,110,996; Sept. 15; Gaz. vol. 206; p. 837.
- Nut-lock. N. Anderson. No. 1,086,342; Feb. 10; Gaz. vol. 199; p. 313.
- Nut lock. E. B. Anderson. No. 1,107,473; Aug. 18; Gaz. vol. 205; p. 753.
- Nut-lock. A. W. Aubrey. No. 1,121,156; Dec. 15; Gaz. vol. 209; p. 872.
- Nut-lock. S. J. Badcock. No. 1,086,980; Feb. 10; Gaz. vol. 199; p. 533.
- Nut-lock. J. M. Baldwin. No. 1,120,585; Dec. 8; Gaz. vol. 209; p. 621.
- Nut-lock. E. A. Bardwell. No. 1,105,123; July 28; Gaz. vol. 204; p. 1142.
- Nut-lock. J. W. S. Barger. No. 1,105,742; Aug. 4; Gaz. vol. 205; p. 55.
- Nut-lock. A. Bazin. No. 1,088,515; Feb. 24; Gaz. vol. 199; p. 1159.
- Nut-lock. H. W. Beach. No. 1,105,606; Aug. 4; Gaz. vol. 205; p. 6.
- Nut-lock. R. A. and H. D. Bowser. No. 1,083,725; Jan. 6; Gaz. vol. 198; p. 155.
- Nut-lock. G. Breault. No. 1,111,732; Sept. 29; Gaz. vol. 206; p. 1169.

Alphabetical list of inventions—Continued.

- Nut-lock. J. Bystrom. No. 1,116,350; Nov. 3; Gaz. vol. 208; p. 301.
- Nut-lock. H. Carter. No. 1,091,483; Mar. 31; Gaz. vol. 200; p. 1126.
- Nut-lock. W. H. Carter. No. 1,094,527; Apr. 28; Gaz. vol. 201; p. 950.
- Nut-lock. E. Cathey. No. 1,107,897; Aug. 18; Gaz. vol. 205; p. 900.
- Nut-lock. H. Chesher. No. 1,083,919; Jan. 13; Gaz. vol. 198; p. 246.
- Nut-lock. H. Chesher. No. 1,087,275; Feb. 17; Gaz. vol. 199; p. 686.
- Nut-lock. L. E. Chesney. No. 1,091,293; Mar. 24; Gaz. vol. 200; p. 1020.
- Nut-lock. M. T. Convery. No. 1,093,316; Apr. 14; Gaz. vol. 201; p. 446.
- Nut-lock. C. J. Cramsey. No. 1,121,073; Dec. 15; Gaz. vol. 209; p. 841.
- Nut-lock. H. T. Craven. No. 1,108,832; Aug. 25; Gaz. vol. 205; p. 1273.
- Nut-lock. S. E. Creasey. No. 1,118,745; Nov. 24; Gaz. vol. 208; p. 1234.
- Nut-lock. A. N. Davis. No. 1,085,247; Jan. 27; Gaz. vol. 198; p. 761.
- Nut-lock. G. Q. Dewey. No. 1,083,877; Jan. 6; Gaz. vol. 198; p. 200.
- Nut-lock. J. D. Duffy. No. 1,087,740; Feb. 17; Gaz. vol. 199; p. 850.
- Nut-lock. C. P. Dyer. No. 1,097,121; May 19; Gaz. vol. 202; p. 745.
- Nut-lock. G. H. Eckman. No. 1,086,517; Feb. 10; Gaz. vol. 199; p. 373.
- Nut-lock. W. H. Edwards. No. 1,105,763; Aug. 4; Gaz. vol. 205; p. 62.
- Nut-lock. J. Farrell. No. 1,098,790; June 2; Gaz. vol. 203; p. 147.
- Nut-lock. M. J. Fitzgerald. No. 1,085,080; Jan. 20; Gaz. vol. 198; p. 666.
- Nut-lock. B. L. Gary. No. 1,122,901; Dec. 29; Gaz. vol. 209; p. 1551.
- Nut-lock. W. R. Gibbs. No. 1,099,292; June 9; Gaz. vol. 203; p. 359.
- Nut-lock. J. J. Gilchrist. No. 1,099,743; June 9; Gaz. vol. 203; p. 514.
- Nut-lock. M. M. Goble. No. 1,115,923; Nov. 3; Gaz. vol. 208; p. 155.
- Nut-lock. M. M. Goble. No. 1,115,924; Nov. 3; Gaz. vol. 208; p. 156.
- Nut-lock. G. Gustafson. No. 1,117,373; Nov. 17; Gaz. vol. 208; p. 744.
- Nut-lock. E. D. Hale. No. 1,117,563; Nov. 17; Gaz. vol. 208; p. 810.
- Nut-lock. O. A. Heckel. No. 1,093,050; Apr. 14; Gaz. vol. 201; p. 352.
- Nut-lock. H. H. Helmar. No. 1,104,731; July 21; Gaz. vol. 204; p. 958.
- Nut-lock. W. I. Heinbach. No. 1,107,213; Aug. 11; Gaz. vol. 205; p. 611.
- Nut-lock. H. E. Hendrix. No. 1,110,932; Sept. 15; Gaz. vol. 206; p. 816.
- Nut-lock. E. J. Hodges. No. 1,113,344; Oct. 13; Gaz. vol. 207; p. 368.
- Nut-lock. J. D. Houston. No. 1,107,792; Aug. 18; Gaz. vol. 205; p. 866.
- Nut-lock. H. T. Hughes. No. 1,114,696; Oct. 20; Gaz. vol. 207; p. 881.
- Nut-lock. G. D. Hutchison. No. 1,098,441; June 2; Gaz. vol. 203; p. 30.
- Nut-lock. W. A. Kiper. No. 1,084,642; Jan. 20; Gaz. vol. 198; p. 517.
- Nut-lock. J. C. Kleese. No. 1,095,889; May 5; Gaz. vol. 202; p. 243.
- Nut-lock. W. C. Kliber. No. 1,099,752; June 9; Gaz. vol. 203; p. 517.
- Nut-lock. J. Lachance. No. 1,114,774; Oct. 27; Gaz. vol. 207; p. 963.
- Nut-lock. J. H. Le Compte. No. 1,120,393; Dec. 8; Gaz. vol. 209; p. 553.
- Nut-lock. J. A. P. Lee. No. 1,104,681; July 21; Gaz. vol. 204; p. 940.
- Nut-lock. A. M. Le Pierre. No. 1,092,534; Apr. 7; Gaz. vol. 201; p. 141.
- Nut-lock. A. M. Le Pierre. No. 1,115,694; Nov. 3; Gaz. vol. 208; p. 79.
- Nut-lock. T. Matheny. No. 1,098,454; June 2; Gaz. vol. 203; p. 34.
- Nut-lock. J. A. Maynard. No. 1,101,461; June 23; Gaz. vol. 203; p. 1196.
- Nut-lock. A. Mazur. No. 1,121,028; Dec. 15; Gaz. vol. 209; p. 824.
- Nut-lock. J. F. McGuire. No. 1,084,748; Jan. 20; Gaz. vol. 198; p. 555.
- Nut-lock. G. Mellis. No. 1,116,095; Nov. 3; Gaz. vol. 208; p. 215.
- Nut-lock. E. B. Messner. No. 1,108,866; Aug. 25; Gaz. vol. 205; p. 1286.
- Nut-lock. J. H. Mitchell. No. 1,091,889; Mar. 31; Gaz. vol. 200; p. 1268.
- Nut-lock. T. M. Morewood. No. 1,110,335; Sept. 15; Gaz. vol. 206; p. 605.
- Nut-lock. V. F. Nally. No. 1,105,095; July 28; Gaz. vol. 204; p. 1134.
- Nut-lock. F. W. Newton. No. 1,097,257; May 19; Gaz. vol. 202; p. 793.
- Nut-lock. C. D. O'Connor. No. 1,099,510; June 9; Gaz. vol. 203; p. 434.
- Nut-lock. A. C. Parris. No. 1,122,995; Dec. 29; Gaz. vol. 209; p. 1584.
- Nut-lock. I. Peyton. No. 1,106,316; Aug. 4; Gaz. vol. 205; p. 252.
- Nut-lock. W. M. Phillippie. No. 1,086,935; Feb. 10; Gaz. vol. 199; p. 518.
- Nut-lock. L. V. Pines. No. 1,107,106; Aug. 11; Gaz. vol. 205; p. 571.
- Nut-lock. C. Prejean. No. 1,083,463; Jan. 6; Gaz. vol. 198; p. 68.
- Nut-lock. G. W. Pybus. No. 1,091,959; Mar. 31; Gaz. vol. 200; p. 1291.
- Nut-lock. A. A. Ratcliff. No. 1,110,511; Sept. 15; Gaz. vol. 206; p. 668.
- Nut-lock. L. D. Rettstatt. No. 1,085,821; Feb. 3; Gaz. vol. 199; p. 87.
- Nut-lock. F. Rowe. No. 1,090,943; Mar. 24; Gaz. vol. 200; p. 900.
- Nut-lock. W. Rudd and J. C. Williams. No. 1,095,928; May 5; Gaz. vol. 202; p. 255.
- Nut-lock. C. C. Rutter. No. 1,091,894; Mar. 31; Gaz. vol. 200; p. 1269.
- Nut-lock. G. W. Sandiford. No. 1,096,564; May 12; Gaz. vol. 202; p. 509.
- Nut-lock. J. Santarcangelo. No. 1,089,159; Mar. 3; Gaz. vol. 200; p. 170.
- Nut-lock. J. G. Schneider. No. 1,103,847; July 14; Gaz. vol. 204; p. 611.
- Nut-lock. F. M. Simpson. No. 1,106,248; Aug. 4; Gaz. vol. 205; p. 229.
- Nut-lock. W. M. Smith. No. 1,112,410; Sept. 29; Gaz. vol. 206; p. 1407.
- Nut-lock. J. St. Martin. No. 1,119,299; Dec. 1; Gaz. vol. 209; p. 137.
- Nut-lock. A. C. Stopp. No. 1,122,331; Dec. 29; Gaz. vol. 209; p. 1352.
- Nut-lock. J. E. Strietelmeier. No. 1,085,566; Jan. 13; Gaz. vol. 198; p. 463.
- Nut-lock. J. H. Teuteberg. No. 1,100,794; June 23; Gaz. vol. 203; p. 966.
- Nut-lock. E. Thomas. No. 1,116,760; Nov. 10; Gaz. vol. 208; p. 490.
- Nut-lock. G. N. Thorson. No. 1,100,105; June 16; Gaz. vol. 203; p. 676.
- Nut-lock. W. T. Thurston. No. 1,110,839; Sept. 15; Gaz. vol. 206; p. 783.
- Nut-lock. D. R. Tolin. No. 1,116,168; Nov. 3; Gaz. vol. 208; p. 240.
- Nut-lock. C. J. Tressler. No. 1,090,765; Mar. 17; Gaz. vol. 200; p. 806.
- Nut-lock. D. Unruh. No. 1,099,272; June 9; Gaz. vol. 203; p. 352.
- Nut-lock. J. E. Vilkie. No. 1,090,662; Mar. 17; Gaz. vol. 200; p. 774.
- Nut-lock. O. Vincent. No. 1,089,607; Mar. 10; Gaz. vol. 200; p. 368.
- Nut-lock. W. E. Walker. No. 1,099,410; June 9; Gaz. vol. 203; p. 401.
- Nut-lock. A. H. Wegener. No. 1,084,680; Jan. 20; Gaz. vol. 198; p. 530.
- Nut-lock. A. H. Wegener. No. 1,093,666; Apr. 21; Gaz. vol. 201; p. 602.
- Nut-lock. J. T. Wicker. No. 1,119,334; Dec. 1; Gaz. vol. 209; p. 149.
- Nut-lock. W. R. Wilson. No. 1,089,175; Mar. 3; Gaz. vol. 200; p. 174.
- Nut-lock. A. W. Winberg. No. 1,091,177; Mar. 24; Gaz. vol. 200; p. 982.
- Nut-lock. F. W. Wolf. No. 1,102,840; July 7; Gaz. vol. 204; p. 216.
- Nut-lock. J. B. Young. No. 1,099,005; June 2; Gaz. vol. 203; p. 219.
- Nut-lock. A. A. Begin. No. 1,087,867; Feb. 17; Gaz. vol. 199; p. 891.
- Nut-lock. W. D. Cranney. No. 1,089,536; Mar. 10; Gaz. vol. 200; p. 344.
- Nut-lock. A. F. Dickey. No. 1,086,655; Feb. 10; Gaz. vol. 199; p. 421.
- Nut-lock. H. Dollman. No. 1,113,419; Oct. 13; Gaz. vol. 207; p. 395.
- Nut-lock. P. H. Eaton. No. 1,116,253; Nov. 3; Gaz. vol. 208; p. 268.
- Nut-lock. A. R. Encinas. No. 1,090,976; Mar. 24; Gaz. vol. 200; p. 911.
- Nut-lock. D. Gast and A. Wertz. No. 1,097,218; May 19; Gaz. vol. 202; p. 780.
- Nut-lock. M. Haughey. No. 1,085,041; Jan. 20; Gaz. vol. 198; p. 653.
- Nut-lock. E. R. Hibbard. No. 1,111,382; Sept. 22; Gaz. vol. 206; p. 1013.
- Nut-lock. R. J. Locker. No. 1,101,298; June 23; Gaz. vol. 203; p. 1141.
- Nut-lock. E. E. Maher. No. 1,120,953; Dec. 15; Gaz. vol. 209; p. 798.

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- Nut, Lock-. A. McGehee. No. 1,110,957; Sept. 15; Gaz. vol. 206; p. 825.
- Nut, Lock-. O. A. Mentzer. No. 1,101,706; June 30; Gaz. vol. 203; p. 1332.
- Nut, Lock-. C. W. Neal. No. 1,089,945; Mar. 10; Gaz. vol. 200; p. 485.
- Nut, Lock-. I. B. Rolka. No. 1,093,474; Apr. 14; Gaz. vol. 201; p. 495.
- Nut, Lock-. W. J. Tollerton. No. 1,105,222; July 28; Gaz. vol. 204; p. 1177.
- Nut lock, Axle-. C. J. Stager. No. 1,098,646; June 2; Gaz. vol. 203; p. 100.
- Nut-lock construction. J. R. Armstrong. No. 1,088,253; Feb. 24; Gaz. vol. 199; p. 1072.
- Nut-lock for bearings. E. Flaherty and C. Warrilow. No. 1,113,209; Oct. 13; Gaz. vol. 207; p. 319.
- Nut-lock for rail-joints. W. E. P. Devane. No. 1,097,918; May 26; Gaz. vol. 202; p. 1070.
- Nut-lock, Spring. F. E. Spencer. No. 1,095,039; Apr. 28; Gaz. vol. 201; p. 1130.
- Nut-locks, Unlocking member for. P. Harper. No. 1,122,112; Dec. 22; Gaz. vol. 209; p. 1238.
- Nut, Locking-. W. Schum. No. 1,086,788; Feb. 10; Gaz. vol. 199; p. 468.
- Nut, Locking-. R. Watres. No. 1,088,750; Mar. 3; Gaz. vol. 200; p. 27.
- Nut-locking device. R. Boles. No. 1,098,219; May 26; Gaz. vol. 202; p. 1173.
- Nut-locking plate. F. L. Trudeau. No. 1,123,037; Dec. 29; Gaz. vol. 209; p. 1599.
- Nut-locking washer. T. W. Crozier. No. 1,099,027; June 2; Gaz. vol. 203; p. 225.
- Nut-making machine. J. R. Kreiser. No. 1,100,891; June 23; Gaz. vol. 203; p. 999.
- Nut-making machine and the like. F. E. Brightman. No. 1,116,556; Nov. 10; Gaz. vol. 208; p. 416.
- Nut mechanism and the like. J. R. Blakeslee. No. 1,119,492; Dec. 1; Gaz. vol. 209; p. 204.
- Nut or collar, Threadless. H. Dalton. No. 1,114,123; Oct. 20; Gaz. vol. 207; p. 680.
- Nut or forcing-jack, Clamping-. P. Brown and F. J. Bostock. No. 1,100,527; June 16; Gaz. vol. 203; p. 821.
- Nut-removing tool. J. P. Carnes. No. 1,093,252; Apr. 14; Gaz. vol. 201; p. 422.
- Nut, Self-locking. E. E. Maher. No. 1,120,954; Dec. 15; Gaz. vol. 209; p. 799.
- Nut, Sheet-metal. N. W. Johnston. No. 1,121,369; Dec. 15; Gaz. vol. 209; p. 943.
- Nut-tapping machine. G. Alexander. No. 1,094,383; Apr. 21; Gaz. vol. 201; p. 839.
- Nut-tapping machine. F. C. Hoffman. No. 1,111,833; Sept. 29; Gaz. vol. 206; p. 1208.
- Nut-tapping machine. J. A. Johnston. No. 1,089,925; Mar. 10; Gaz. vol. 200; p. 473.
- Nut-tapping machines, Tap-holding chuck for. J. A. Johnston. No. 1,113,444; Oct. 13; Gaz. vol. 207; p. 404.
- Nut-threading machine. G. Schlachter. No. 1,099,723; June 9; Gaz. vol. 203; p. 508.
- Nut-threading machine. G. Schlachter. No. 1,099,724; June 9; Gaz. vol. 203; p. 508.
- Nut-wedge. F. W. Rowe. No. 1,085,225; Jan. 27; Gaz. vol. 198; p. 753.
- Nut-wrench. C. A. Kuhn. No. 1,120,508; Dec. 8; Gaz. vol. 209; p. 594.
- Nuts and the like, Making. J. R. Blakeslee. No. 1,119,775; Dec. 1; Gaz. vol. 209; p. 299.
- Nuts, Appliance for breaking metal. J. F. Norman. No. 1,102,162; June 30; Gaz. vol. 203; p. 1493.
- Nuts, Device for removing threaded. H. H. Harris. No. 1,104,497; July 21; Gaz. vol. 204; p. 877.
- Nuts, Fastener for sectional coal-auger. J. H. Wenslick. No. 1,099,224; June 9; Gaz. vol. 203; p. 336.
- Nuts, Machine for making castellated. F. E. Brightman. No. 1,092,126; Mar. 31; Gaz. vol. 200; p. 1346.
- Nuts, Manufacturing. J. V. Culliney. No. 1,116,678; Nov. 10; Gaz. vol. 208; p. 462.
- Nuts, Manufacturing grip-. F. W. Wright and C. R. Roof. No. 1,112,879; Oct. 6; Gaz. vol. 207; p. 164.
- Nuts, Threading. A. K. Lovell. No. 1,114,158; Oct. 20; Gaz. vol. 207; p. 692.
- Nutcracker. E. A. Bostrom. No. 1,094,698; Apr. 28; Gaz. vol. 201; p. 1012.
- Nutcracker. E. Dato. No. 1,110,747; Sept. 15; Gaz. vol. 206; p. 751.
- Nutcracker. M. Dolenga. No. 1,093,549; Apr. 14; Gaz. vol. 201; p. 518.
- Nutcracker. F. W. Fort. No. 1,117,945; Nov. 17; Gaz. vol. 208; p. 943.
- Nutcracker. F. B. May. No. 1,108,920; Sept. 1; Gaz. vol. 206; p. 21.
- Nutcracker. L. M. Sawin. No. 1,097,773; May 26; Gaz. vol. 202; p. 1017.
- Nutcracker. R. A. K. Traber. No. 1,087,617; Feb. 17; Gaz. vol. 199; p. 806.
- Nutcracker. J. Varga. No. 1,117,726; Nov. 17; Gaz. vol. 208; p. 870.
- Nutless bolt. C. A. Ford. No. 1,084,850; Jan. 20; Gaz. vol. 198; p. 590.
- Oar. E. J. Kerns. No. 1,107,169; Aug. 11; Gaz. vol. 205; p. 597.
- Oar, Boat-. S. A. Boyd and J. D. Welch. No. 1,098,088; May 26; Gaz. vol. 202; p. 1129.
- Oar, Double-action. W. F. Koble. No. 1,120,944; Dec. 15; Gaz. vol. 209; p. 796.
- Oar-lock. E. L. Bowen. No. 1,122,361; Dec. 29; Gaz. vol. 209; p. 1362.
- Oar-lock. C. Edwards. No. 1,120,799; Dec. 15; Gaz. vol. 209; p. 744.
- Oar-lock. G. J. Karle. No. 1,097,330; May 19; Gaz. vol. 202; p. 819.
- Objective. C. H. Florian. No. 1,122,895; Dec. 29; Gaz. vol. 209; p. 1549.
- Objective system. A. König. No. 1,085,868; Feb. 3; Gaz. vol. 199; p. 103.
- Observation-stop, Adjustable. E. P. Bullard, Jr. No. 1,088,965; Mar. 3; Gaz. vol. 200; p. 101.
- Obstetrical instrument. W. A. Hill. No. 1,092,104; Mar. 31; Gaz. vol. 200; p. 1339.
- Ocarinas, Pitch-regulating device for. F. D. Smenner. No. 1,106,249; Aug. 4; Gaz. vol. 205; p. 229.
- Ocular fluorescence, Apparatus for demonstrating. F. A. Schanz. No. 1,105,310; July 28; Gaz. vol. 204; p. 1208.
- Odometer. P. O. Dorer. No. 1,117,349; Nov. 17; Gaz. vol. 208; p. 736.
- Odometer-driving mechanism. E. S. Shimer. No. 1,115,598; Nov. 3; Gaz. vol. 208; p. 44.
- Odometer-train. J. K. Stewart. No. 1,110,835; Sept. 15; Gaz. vol. 206; p. 781.
- Odometers, Driving connection for. C. H. Veeder. No. 1,088,853; Mar. 3; Gaz. vol. 200; p. 61.
- Oil and gasoline separator. W. H. McNutt. No. 1,122,625; Dec. 29; Gaz. vol. 209; p. 1452.
- Oil and making same, Hydrogenated or hardened. C. Ellis. No. 1,097,308; May 19; Gaz. vol. 202; p. 812.
- Oil and making same, Solidified. C. Ellis. No. 1,109,119; Sept. 1; Gaz. vol. 206; p. 93.
- Oil and other liquids, Means for delivering. J. C. Stelfox. No. 1,090,800; Mar. 17; Gaz. vol. 200; p. 818.
- Oil and water elevator. T. H. McDonald and S. W. Mack. No. 1,113,028; Oct. 6; Gaz. vol. 207; p. 213.
- Oil and water separator, Automatic. P. and F. M. Murphy. No. 1,094,861; Apr. 28; Gaz. vol. 201; p. 1069.
- Oil-atomizer. E. Lindmueller. No. 1,088,711; Mar. 3; Gaz. vol. 200; p. 14.
- Oil, Bleaching cotton-seed. C. Baskerville. No. 1,105,743; Aug. 4; Gaz. vol. 205; p. 55.
- Oil-burner. L. E. Ambrose. No. 1,113,281; Oct. 13; Gaz. vol. 207; p. 346.
- Oil-burner. J. R. Arthur. No. 1,089,033; Mar. 3; Gaz. vol. 200; p. 123.
- Oil-burner. A. M. Baird and H. D. Palmer. No. 1,111,520; Sept. 22; Gaz. vol. 206; p. 1062.
- Oil-burner. H. F. Baker. No. 1,097,071; May 19; Gaz. vol. 202; p. 728.
- Oil-burner. J. H. Bowling. No. 1,093,249; Apr. 14; Gaz. vol. 201; p. 421.
- Oil-burner. W. M. Britten. No. 1,102,387; July 7; Gaz. vol. 204; p. 58.
- Oil-burner. C. E. Brown. No. 1,118,916; Dec. 1; Gaz. vol. 209; p. 3.
- Oil-burner. C. W. Burton. No. 1,105,401; July 28; Gaz. vol. 204; p. 1242.
- Oil-burner. L. Butler. No. 1,085,195; Jan. 27; Gaz. vol. 198; p. 742.
- Oil-burner. W. E. Carleton. No. 1,090,683; Mar. 17; Gaz. vol. 200; p. 781.
- Oil-burner. L. S. Chadwick. No. 1,122,856; Dec. 29; Gaz. vol. 209; p. 1535.
- Oil-burner. O. B. Clayton. No. 1,085,581; Jan. 27; Gaz. vol. 198; p. 872.
- Oil-burner. F. A. Coleman. No. 1,098,429; June 2; Gaz. vol. 203; p. 25.
- Oil-burner. R. H. Copley. No. 1,114,712; Oct. 20; Gaz. vol. 207; p. 887.
- Oil-burner. B. L. Cornelius. No. 1,120,791; Dec. 15; Gaz. vol. 209; p. 741.
- Oil-burner. W. T. Dowling. No. 1,095,091; Apr. 28; Gaz. vol. 201; p. 1147.
- Oil-burner. H. V. and W. O. Dresbach. No. 1,115,414; Oct. 27; Gaz. vol. 207; p. 1187.
- Oil-burner. C. Eckland. No. 1,087,741; Feb. 17; Gaz. vol. 199; p. 850.
- Oil-burner. M. J. Fitzpatrick. No. 1,113,894; Oct. 13; Gaz. vol. 207; p. 561.
- Oil-burner. B. Frese. No. 1,119,591; Dec. 1; Gaz. vol. 209; p. 239.
- Oil-burner. R. G. Greathead. No. 1,118,278; Nov. 24; Gaz. vol. 208; p. 1099.
- Oil-burner. J. E. Greenawalt. No. 1,084,939; Jan. 20; Gaz. vol. 198; p. 618.
- Oil-burner. A. E. Hauck. No. 1,092,212; Apr. 7; Gaz. vol. 201; p. 31.
- Oil-burner. A. H. Hazelton. No. 1,121,833; Dec. 22; Gaz. vol. 209; p. 1141.

Alphabetical list of inventions—Continued.

- Oil-burner. C. M. Heinsen. No. 1,114,985; Oct. 27; Gaz. vol. 207; p. 1038.
- Oil-burner. L. E. Hines. No. 1,121,500; Dec. 15; Gaz. vol. 209; p. 988.
- Oil-burner. J. S. Hodges. No. 1,099,367; June 9; Gaz. vol. 203; p. 387.
- Oil-burner. J. L. Hoffman. No. 1,087,767; Feb. 17; Gaz. vol. 199; p. 857.
- Oil-burner. J. L. Hoffman. No. 1,087,768; Feb. 17; Gaz. vol. 199; p. 858.
- Oil-burner. E. E. Holman. No. 1,092,793; Apr. 7; Gaz. vol. 201; p. 229.
- Oil-burner. D. A. Hoover. No. 1,111,834; Sept. 29; Gaz. vol. 206; p. 1209.
- Oil-burner. T. P. Jarvis. No. 1,107,614; Aug. 18; Gaz. vol. 205; p. 803.
- Oil-burner. C. C. Johnson. No. 1,100,889; June 23; Gaz. vol. 203; p. 999.
- Oil-burner. J. L. Landry. No. 1,114,994; Oct. 27; Gaz. vol. 207; p. 1042.
- Oil-burner. A. D. Marcotte. No. 1,105,357; July 28; Gaz. vol. 204; p. 1228.
- Oil-burner. H. A. Marks. No. 1,110,329; Sept. 15; Gaz. vol. 206; p. 603.
- Oil-burner. F. K. Martin. No. 1,089,938; Mar. 10; Gaz. vol. 200; p. 483.
- Oil-burner. J. W. Matlock. No. 1,088,915; Mar. 3; Gaz. vol. 200; p. 82.
- Oil-burner. C. L. and A. B. Matthews. No. 1,095,903; May 5; Gaz. vol. 202; p. 248.
- Oil-burner. R. H. Matthews. No. 1,095,904; May 5; Gaz. vol. 202; p. 248.
- Oil-burner. J. C. McClure. No. 1,116,603; Nov. 10; Gaz. vol. 208; p. 433.
- Oil-burner. C. McConnell. No. 1,100,141; June 16; Gaz. vol. 203; p. 689.
- Oil-burner. C. N. Moore. No. 1,089,855; Mar. 10; Gaz. vol. 200; p. 452.
- Oil-burner. A. Petticore. No. 1,122,535; Dec. 29; Gaz. vol. 209; p. 1421.
- Oil-burner. W. S. Quigley. No. 1,104,386; July 21; Gaz. vol. 204; p. 838.
- Oil-burner. D. J. Raddick. No. 1,097,188; May 19; Gaz. vol. 202; p. 768.
- Oil-burner. B. R. Ralph. No. 1,087,141; Feb. 17; Gaz. vol. 199; p. 638.
- Oil-burner. J. L. Richardson. No. 1,097,190; May 19; Gaz. vol. 202; p. 769.
- Oil-burner. G. A. Roy. No. 1,113,053; Oct. 6; Gaz. vol. 207; p. 222.
- Oil-burner. S. B. Salsich. No. 1,086,405; Feb. 10; Gaz. vol. 199; p. 333.
- Oil-burner. F. L. Saltzman and E. J. Crockett. No. 1,110,147; Sept. 8; Gaz. vol. 206; p. 501.
- Oil-burner. N. W. Sherman. No. 1,109,474; Sept. 1; Gaz. vol. 206; p. 217.
- Oil-burner. D. Smith. No. 1,087,896; Feb. 17; Gaz. vol. 199; p. 901.
- Oil-burner. H. T. Smith. No. 1,096,063; May 12; Gaz. vol. 202; p. 339.
- Oil-burner. W. M. Surface. No. 1,106,426; Aug. 11; Gaz. vol. 205; p. 334.
- Oil-burner. R. A. Terry. No. 1,110,516; Sept. 15; Gaz. vol. 206; p. 670.
- Oil-burner. G. F. Tinkham. No. 1,092,674; Apr. 7; Gaz. vol. 201; p. 190.
- Oil-burner. J. A. Trimble and C. H. Miller. No. 1,086,956; Feb. 10; Gaz. vol. 199; p. 525.
- Oil-burner. G. A. Ulrich. No. 1,095,753; May 5; Gaz. vol. 202; p. 198.
- Oil-burner and water-heater. J. T. Cheatham. No. 1,100,866; June 23; Gaz. vol. 203; p. 990.
- Oil-burner attachment. W. Melas. No. 1,118,506; Nov. 24; Gaz. vol. 208; p. 1181.
- Oil-burner. Blue-flame. R. Hoffman. No. 1,092,262; Apr. 7; Gaz. vol. 201; p. 47.
- Oil-burner. Centrifugal. M. A. Fesler. No. 1,113,108; Oct. 6; Gaz. vol. 207; p. 240.
- Oil-burner. Crude. E. E. Comstock. No. 1,098,884; June 2; Gaz. vol. 203; p. 179.
- Oil-burner deflector. F. A. Curtis. No. 1,116,874; Nov. 10; Gaz. vol. 208; p. 530.
- Oil-burner for lamps and stoves. F. A. Baynes. No. 1,122,060; Dec. 22; Gaz. vol. 209; p. 1222.
- Oil-burner for stoves. F. E. Schaal. No. 1,083,947; Jan. 13; Gaz. vol. 198; p. 256.
- Oil burner. Fuel. W. R. Cochran, Jr. No. 1,107,900; Aug. 18; Gaz. vol. 205; p. 901.
- Oil burner. Fuel. W. E. Colwell. No. 1,120,446; Dec. 8; Gaz. vol. 209; p. 573.
- Oil burner. Hydrocarbon. F. A. Richardson and J. J. Schuster. No. 1,120,537; Dec. 8; Gaz. vol. 209; p. 604.
- Oil-burners. Automatic cut-off mechanism for. J. H. Becker. No. 1,107,748; Aug. 18; Gaz. vol. 205; p. 851.
- Oil-burners. Device for controlling. E. M. Caskey. No. 1,102,472; July 7; Gaz. vol. 204; p. 88.
- Oil-burners. Flame-spreader for. G. W. Knapp. No. 1,091,667; Mar. 31; Gaz. vol. 200; p. 1190.
- Oil-burners. Means for regulating centrifugal. M. A. Fesler. No. 1,117,652; Nov. 17; Gaz. vol. 208; p. 842.
- Oil-burning apparatus. A. E. Hauck. No. 1,090,395; Mar. 17; Gaz. vol. 200; p. 682.
- Oil-burning apparatus. F. E. Nelson. No. 1,112,025; Sept. 29; Gaz. vol. 206; p. 1272.
- Oil-burning apparatus. C. G. White. No. 1,088,758; Mar. 3; Gaz. vol. 200; p. 29.
- Oil-burning apparatus. Feed means for. G. W. Bothwell. No. 1,116,790; Nov. 10; Gaz. vol. 208; p. 500.
- Oil-burning furnace. D. E. Erickson. No. 1,122,088; Dec. 22; Gaz. vol. 209; p. 1231.
- Oil-burning furnace. J. J. Haskin. No. 1,084,431; Jan. 13; Gaz. vol. 198; p. 418.
- Oil-burning system. J. R. Brown. No. 1,120,441; Dec. 8; Gaz. vol. 209; p. 571.
- Oil-burning system. L. D. Collar. No. 1,110,745; Sept. 15; Gaz. vol. 206; p. 750.
- Oil-burning system. E. W. Dunn. No. 1,110,119; Sept. 8; Gaz. vol. 206; p. 490.
- Oil-burning system. L. D. Lovekin. No. 1,094,078; Apr. 21; Gaz. vol. 201; p. 740.
- Oil-burning system. E. W. Tucker. No. 1,098,065; May 26; Gaz. vol. 202; p. 1121.
- Oil by the oxygen contained in air. Device on transformers for preventing the decomposition of. A. Aichele. No. 1,088,197; Feb. 24; Gaz. vol. 199; p. 1053.
- Oil-can. W. Ashworth. No. 1,108,664; Aug. 25; Gaz. vol. 205; p. 1216.
- Oil-can. V. C. Cox. No. 1,092,433; Apr. 7; Gaz. vol. 201; p. 107.
- Oil-can. J. N. Feit. No. 1,122,710; Dec. 29; Gaz. vol. 209; p. 1484.
- Oil-can. L. Kessler. No. 1,120,313; Dec. 8; Gaz. vol. 209; p. 524.
- Oil-can. W. T. Love. No. 1,113,453; Oct. 13; Gaz. vol. 207; p. 407.
- Oil-can. R. L. Penn. No. 1,103,537; July 14; Gaz. vol. 204; p. 502.
- Oil-can. H. F. Struever. No. 1,092,305; Apr. 7; Gaz. vol. 201; p. 64.
- Oil-can. J. W. Teague. No. 1,108,022; Aug. 18; Gaz. vol. 205; p. 945.
- Oil-can. D. T. Womeldorf. No. 1,100,337; June 16; Gaz. vol. 203; p. 756.
- Oil-can and brush. Combined. J. Lynam. No. 1,112,815; Oct. 6; Gaz. vol. 207; p. 142.
- Oil-can. Non-explosive. F. J. Schisler. No. 1,103,319; July 14; Gaz. vol. 204; p. 429.
- Oil-can. Safety. A. L. Hansen. No. 1,092,101; Mar. 31; Gaz. vol. 200; p. 1338.
- Oil-caps. Making. J. L. Osgood. No. 1,120,525; Dec. 8; Gaz. vol. 209; p. 600.
- Oil-container. J. J. Sankot. No. 1,121,206; Dec. 15; Gaz. vol. 209; p. 888.
- Oil-cooler. A. Winton. No. 1,121,885; Dec. 22; Gaz. vol. 209; p. 1160.
- Oil-cup. W. T. Estberg. No. 1,119,145; Dec. 1; Gaz. vol. 209; p. 86.
- Oil-cup. J. O. Glass. No. 1,121,918; Dec. 22; Gaz. vol. 209; p. 1171.
- Oil-cup. G. B. Sundell. No. 1,110,836; Sept. 15; Gaz. vol. 206; p. 782.
- Oil-distributing mechanism. A. P. Brush. No. 1,112,975; Oct. 6; Gaz. vol. 207; p. 196.
- Oil-distributing mechanism. W. S. Harley. No. 1,108,904; Sept. 1; Gaz. vol. 206; p. 15.
- Oil-distribution system. L. C. Snell. No. 1,088,667; Feb. 24; Gaz. vol. 199; p. 1208.
- Oil duster and polisher. G. M. Urie. No. 1,089,732; Mar. 10; Gaz. vol. 200; p. 410.
- Oil engine. W. A. Clark. No. 1,084,131; Jan. 13; Gaz. vol. 198; p. 320.
- Oil-engine. E. Thomson. No. 1,105,047; July 28; Gaz. vol. 204; p. 1116.
- Oil from congealing on being subjected to heat. Preserving wood. E. Beringer and W. Zimmer. No. 1,103,473; July 14; Gaz. vol. 204; p. 481.
- Oil-fuel heater. J. Reichenbach. No. 1,120,536; Dec. 8; Gaz. vol. 209; p. 604.
- Oil-furnace burner. C. H. True. No. 1,093,364; Apr. 14; Gaz. vol. 201; p. 461.
- Oil-gage. J. N. Bagley. No. 1,110,474; Sept. 15; Gaz. vol. 206; p. 655.
- Oil-heater. W. R. Jeavons. No. 1,089,841; Mar. 10; Gaz. vol. 200; p. 448.
- Oil-heater. H. McCabe. No. 1,099,989; June 16; Gaz. vol. 203; p. 635.
- Oil-heater for engines. T. L. Scafe. No. 1,119,121; Dec. 1; Gaz. vol. 209; p. 77.
- Oil-heating device. C. J. Allen. No. 1,103,121; July 14; Gaz. vol. 204; p. 360.
- Oil indicator and feeder. Automatic. C. E. Henkelman. No. 1,109,417; Sept. 1; Gaz. vol. 206; p. 199.
- Oil. Manufacturing fusel. J. Scheckenbach. No. 1,118,238; Nov. 24; Gaz. vol. 208; p. 1084.
- Oil. Method of and apparatus for purifying. O. J. Shiner. No. 1,099,622; June 9; Gaz. vol. 203; p. 472.
- Oil-mills. Cake-knocker for. J. W. Banks. No. 1,109,954; Sept. 8; Gaz. vol. 206; p. 430.

Alphabetical list of inventions—Continued.

- Oil-nebulizing furnace, Transformable. J. P. Proper. No. 1,099,099; June 2; Gaz. vol. 203; p. 248.
- Oil-press. N. W. L. Brown. No. 1,107,487; Aug. 18; Gaz. vol. 205; p. 758.
- Oil-press. C. D. Orr. No. 1,085,993; Feb. 8; Gaz. vol. 199; p. 148.
- Oil-press. G. J. Wagner and M. H. Hopkins. No. 1,110,087; Sept. 8; Gaz. vol. 206; p. 477.
- Oil-press box. N. W. L. Brown. No. 1,114,106; Oct. 20; Gaz. vol. 207; p. 674.
- Oil-purifying apparatus. E. P. Baum. No. 1,109,103; Sept. 1; Gaz. vol. 206; p. 87.
- Oil-refiner. F. R. Reynolds. No. 1,119,453; Dec. 1; Gaz. vol. 209; p. 190.
- Oil-refining apparatus. J. R. Timmins. No. 1,105,383; July 28; Gaz. vol. 204; p. 1237.
- Oil-refining mechanism. G. H. Gillons. No. 1,084,080; Jan. 13; Gaz. vol. 198; p. 302.
- Oil, Rendering soluble the products of oxidation of linseed-. K. L. F. Friedemann. No. 1,095,838; May 5; Gaz. vol. 202; p. 227.
- Oil residues, Treating and refining cotton-seed-. C. Epler. No. 1,094,430; Apr. 28; Gaz. vol. 201; p. 915.
- Oil-ring. D. B. Bardin and E. L. Norris. No. 1,111,941; Sept. 29; Gaz. vol. 206; p. 1245.
- Oil-separator. H. Beulke. No. 1,117,547; Nov. 17; Gaz. vol. 208; p. 804.
- Oil-separator. A. Doble. No. 1,107,271; Aug. 18; Gaz. vol. 205; p. 680.
- Oil-separator. W. McClintock. No. 1,116,903; Nov. 10; Gaz. vol. 208; p. 540.
- Oil supply, Controlling device for fuel-. T. D. De Vilbiss. No. 1,102,482; July 7; Gaz. vol. 204; p. 91.
- Oil-switch. J. M. Andersen. No. 1,094,693; Apr. 28; Gaz. vol. 201; p. 1010.
- Oil-switch. H. P. Ball. No. 1,113,087; Oct. 6; Gaz. vol. 207; p. 232.
- Oil-switch. E. M. Hewlett. No. 1,091,659; Mar. 31; Gaz. vol. 200; p. 1187.
- Oil-switch. E. M. Hewlett and C. E. Eveleth. No. 1,093,051; Apr. 14; Gaz. vol. 201; p. 352.
- Oil-switch. E. B. Wedmore. No. 1,115,264; Oct. 27; Gaz. vol. 207; p. 1136.
- Oil time-switch. J. M. Andersen. No. 1,094,694; Apr. 28; Gaz. vol. 201; p. 1011.
- Oil-transformer. H. Weiss. No. 1,104,723; July 21; Gaz. vol. 204; p. 955.
- Oil, Treating. J. A. Dubbs. No. 1,100,717; June 23; Gaz. vol. 203; p. 939.
- Oil, Treating crude. W. S. Barnickel. No. 1,093,098; Apr. 14; Gaz. vol. 201; p. 369.
- Oil used for electrical purposes, Regenerating. R. Friese. No. 1,103,499; July 14; Gaz. vol. 204; p. 488.
- Oil-vaporizing apparatus. S. Crosbie. No. 1,120,450; Dec. 8; Gaz. vol. 209; p. 574.
- Oil-varnish substitute from animal-oils, Manufacture of. W. Kaempfe. No. 1,087,064; Feb. 10; Gaz. vol. 199; p. 559.
- Oil-well underreamer. M. H. Dunn. No. 1,121,907; Dec. 22; Gaz. vol. 209; p. 1168.
- Oil with chemicals, Apparatus for mixing. O. J. Shiner. No. 1,102,696; July 7; Gaz. vol. 204; p. 165.
- Oils, &c., Adhesive test for. C. B. Osborne. No. 1,120,624; Dec. 8; Gaz. vol. 209; p. 636.
- Oils and fats, Bleaching. C. Baskerville. No. 1,114,095; Oct. 20; Gaz. vol. 207; p. 670.
- Oils and other liquids, System for cleaning and purifying. R. S. Johnson. No. 1,115,827; Nov. 3; Gaz. vol. 208; p. 121.
- Oils and removing peeling from citrus fruits, &c., Machine for extracting essential. A. W. Giampietro. No. 1,116,880; Nov. 10; Gaz. vol. 208; p. 532.
- Oils and the like, Apparatus for treating. L. Mandelstam. No. 1,114,623; Oct. 20; Gaz. vol. 207; p. 855.
- Oils and the like with gases, &c., Apparatus for treating. C. Ellis. No. 1,084,203; Jan. 13; Gaz. vol. 198; p. 345.
- Oils, Apparatus for fractioning mineral. C. B. Forward. No. 1,100,966; June 23; Gaz. vol. 203; p. 1027.
- Oils, fats, and fatty acids, &c., Hydrogenating. J. N. Humphreys. No. 1,100,735; June 23; Gaz. vol. 203; p. 945.
- Oils, fats, and the like, Treatment of. N. Testrup. No. 1,114,067; Oct. 20; Gaz. vol. 207; p. 659.
- Oils from solids, Extracting. C. Turner. No. 1,104,456; July 21; Gaz. vol. 204; p. 862.
- Oils into emulsions or water-soluble bodies, Introducing water-insoluble. J. H. Smith. No. 1,096,465; May 12; Gaz. vol. 202; p. 476.
- Oils, Making solid preparations containing. Z. Miwa and K. Kawai. No. 1,122,294; Dec. 29; Gaz. vol. 209; p. 1340.
- Oils, Manufacture of polymerized products from animal. W. Kaempfe. No. 1,121,925; Dec. 22; Gaz. vol. 209; p. 1174.
- Oils, Manufacture of polymerized products from animal. W. Kaempfe. No. 1,121,926; Dec. 22; Gaz. vol. 209; p. 1174.
- Oils, Manufacture of polymerized products from animal. W. Kaempfe. No. 1,122,400; Dec. 29; Gaz. vol. 209; p. 1375.
- Oils, &c., Process and apparatus for treating composite edible. C. Ellis. No. 1,095,144; Apr. 28; Gaz. vol. 201; p. 1165.
- Oils, Refining vegetable and animal. C. Baskerville. No. 1,105,744; Aug. 4; Gaz. vol. 205; p. 55.
- Oils, Treating heavy hydrocarbon. C. J. Greenstreet. No. 1,110,923; Sept. 15; Gaz. vol. 206; p. 813.
- Oils, Treating heavy hydrocarbon. C. J. Greenstreet. No. 1,110,924; Sept. 15; Gaz. vol. 206; p. 814.
- Oils, Treating mineral. J. Dehnst. No. 1,112,602; Oct. 6; Gaz. vol. 207; p. 68.
- Oils, Treating mineral. M. Melamid. No. 1,092,448; Apr. 7; Gaz. vol. 201; p. 113.
- Oils, Treatment of. B. Lach. No. 1,104,906; July 28; Gaz. vol. 204; p. 1068.
- Oils with ultra-violet light, Treating petroleum. C. Ellis. No. 1,089,359; Mar. 3; Gaz. vol. 200; p. 233.
- Oils, Working up the acid sludge and liquors produced as by-products during the washing of mineral. W. Pau and P. Eberhardt. No. 1,092,386; Apr. 7; Gaz. vol. 201; p. 90.
- Oiler. F. W. Flavin. No. 1,115,296; Oct. 27; Gaz. vol. 207; p. 1147.
- Oiler. C. T. Gibney. No. 1,102,333; July 7; Gaz. vol. 204; p. 39.
- Oiler. C. C. Hansen. No. 1,105,135; July 28; Gaz. vol. 204; p. 1146.
- Oiler. C. C. Hansen. No. 1,109,222; Sept. 1; Gaz. vol. 206; p. 130.
- Oiler. R. G. McDowell. No. 1,119,522; Dec. 1; Gaz. vol. 209; p. 215.
- Oiler. A. Schoel and A. E. Baum. No. 1,096,796; May 12; Gaz. vol. 202; p. 588.
- Oiler and greaser, Curved-track. C. F. Alexander. No. 1,099,631; June 9; Gaz. vol. 203; p. 476.
- Oiler attachment. E. H. Philbrick. No. 1,101,327; June 23; Gaz. vol. 203; p. 1151.
- Oiler, Automatic. R. Wood. No. 1,092,194; Apr. 7; Gaz. vol. 201; p. 24.
- Oiler, Axle-. A. H. Henke. No. 1,084,433; Jan. 13; Gaz. vol. 198; p. 418.
- Oiler, Contact-. P. G. MacGregor. No. 1,115,848; Nov. 3; Gaz. vol. 208; p. 130.
- Oiler, Drill-. H. Davis. No. 1,112,198; Sept. 29; Gaz. vol. 206; p. 1332.
- Oiler, Flange-. A. Albertson. No. 1,122,228; Dec. 22; Gaz. vol. 209; p. 1277.
- Oiler, Flange-. Z. Tisher and C. T. Litchfield. No. 1,121,055; Dec. 15; Gaz. vol. 209; p. 834.
- Oiler for die-stocks, Automatically-operating. H. J. Suelzen. No. 1,086,479; Feb. 10; Gaz. vol. 199; p. 359.
- Oiler for locomotives. H. Kreiss. No. 1,121,637; Dec. 22; Gaz. vol. 209; p. 1072.
- Oiler for shafts. I. W. Doeg. No. 1,093,609; Apr. 21; Gaz. vol. 201; p. 581.
- Oiler for whetstones. O. M. Ries. No. 1,083,760; Jan. 6; Gaz. vol. 198; p. 166.
- Oiler, Force-feed. C. L. Bundy. No. 1,104,102; July 21; Gaz. vol. 204; p. 741.
- Oiler, Locomotive-wheel-flange. J. Little. No. 1,102,524; July 7; Gaz. vol. 204; p. 106.
- Oiler, Mechanical. H. T. Preble. No. 1,121,536; Dec. 15; Gaz. vol. 209; p. 999.
- Oiler, Pocket-. R. L. Ross. No. 1,089,500; Mar. 10; Gaz. vol. 200; p. 332.
- Oiler, Saw-. H. A. Surber. No. 1,090,951; Mar. 24; Gaz. vol. 200; p. 903.
- Oiler, Spring-. L. S. Miller. No. 1,113,035; Oct. 6; Gaz. vol. 207; p. 216.
- Oiler, Windmill-. L. C. Hamel. No. 1,100,970; June 23; Gaz. vol. 203; p. 1029.
- Oiling ball-bearings, Device for. H. Angebrandt, Jr. No. 1,099,870; June 9; Gaz. vol. 203; p. 557.
- Oiling device. J. Berry. No. 1,092,329; Apr. 7; Gaz. vol. 201; p. 72.
- Oiling device. M. E. Brigham. No. 1,106,775; Aug. 11; Gaz. vol. 205; p. 459.
- Oiling device. J. Gatterall. No. 1,092,337; Apr. 7; Gaz. vol. 201; p. 74.
- Oiling device. F. F. Grayham. No. 1,083,532; Jan. 6; Gaz. vol. 198; p. 91.
- Oiling device. G. J. von Hagel. No. 1,086,293; Feb. 3; Gaz. vol. 199; p. 249.
- Oiling device. M. Page. No. 1,098,587; June 2; Gaz. vol. 203; p. 80.
- Oiling device, Automatic. H. K. King. No. 1,122,607; Dec. 29; Gaz. vol. 209; p. 1446.
- Oiling device, Automobile auxiliary. A. C. Danver. No. 1,120,137; Dec. 8; Gaz. vol. 209; p. 461.
- Oiling device for cutting-tools. C. E. Nelson. No. 1,087,456; Feb. 17; Gaz. vol. 199; p. 750.
- Oiling device for die-stocks. H. J. Suelzen. No. 1,086,480; Feb. 10; Gaz. vol. 199; p. 360.
- Oiling device, Spring-. R. B. Semmelroth. No. 1,114,541; Oct. 20; Gaz. vol. 207; p. 830.
- Oiling multiple-die stock, Automatic-. H. J. Suelzen. No. 1,089,447; Mar. 10; Gaz. vol. 200; p. 311.
- Oiling-off machine. C. E. Slocumb. No. 1,101,762; June 30; Gaz. vol. 203; p. 1350.

Alphabetical list of inventions—Continued.

- Oiling or shellacking device, Floor. W. W. Vearing. No. 1,120,426; Dec. 8; Gaz. vol. 209; p. 565.
- Oiling system. A. L. De Leeuw. No. 1,093,118; Apr. 14; Gaz. vol. 201; p. 376.
- Oiling system. A. L. De Leeuw. No. 1,102,186; June 30; Gaz. vol. 203; p. 1502.
- Oiling system. H. D. Furness. No. 1,107,601; Aug. 18; Gaz. vol. 205; p. 798.
- Oiling system. L. Schwitzer. No. 1,117,256; Nov. 17; Gaz. vol. 208; p. 702.
- Oiling system, Engine. E. M. White. No. 1,101,366; June 23; Gaz. vol. 203; p. 1164.
- Oiling systems, Splash-trough for. E. M. White. No. 1,109,724; Sept. 8; Gaz. vol. 206; p. 348.
- Oiling vehicle, Road-. G. I. Worley. No. 1,093,818; Apr. 21; Gaz. vol. 201; p. 653.
- Oilstone. R. F. Deschenaux. No. 1,084,616; Jan. 20; Gaz. vol. 198; p. 508.
- Olefins and their oxidation products, Manufacturing. C. J. Greenstreet. No. 1,110,925; Sept. 15; Gaz. vol. 206; p. 814.
- Oleic and fatty acids derived from train or fish oils, Deodorizing. W. H. Hofmann. No. 1,106,509; Aug. 11; Gaz. vol. 205; p. 366.
- Onion-topping machine. C. P. Marsh. No. 1,085,053; Jan. 20; Gaz. vol. 198; p. 656.
- Open-hearth furnace. K. Albert. (Reissue.) No. 13,763; July 7; Gaz. vol. 204; p. 276.
- Open-hearth furnace. O. Simmersbach. No. 1,090,503; Mar. 17; Gaz. vol. 200; p. 720.
- Open-hearth furnace, Regenerative. T. B. Rogerson. No. 1,104,448; July 21; Gaz. vol. 204; p. 859.
- Opera-chair. N. H. Miller. No. 1,105,990; Aug. 4; Gaz. vol. 205; p. 141.
- Operating means for driven mechanism. G. Wenzleman. No. 1,118,980; Dec. 1; Gaz. vol. 209; p. 27.
- Operating mechanism. H. S. Hart and F. Seaberg. No. 1,122,918; Dec. 29; Gaz. vol. 209; p. 1556.
- Operating mechanism, Time-controlled. G. R. Clark. No. 1,109,280; Sept. 1; Gaz. vol. 206; p. 150.
- Operating-table. J. M. Kreitzer. No. 1,117,403; Nov. 17; Gaz. vol. 208; p. 754.
- Operating-table. A. P. Nix. No. 1,086,844; Feb. 10; Gaz. vol. 199; p. 488.
- Operating-table. W. E. Stiles. No. 1,088,476; Feb. 24; Gaz. vol. 199; p. 1146.
- Operating-table for swine. G. Allen. No. 1,084,874; Jan. 20; Gaz. vol. 198; p. 597.
- Operating-table for use in animal research. K. Stebbins. No. 1,089,283; Mar. 3; Gaz. vol. 200; p. 208.
- Ophthalmic mounting. N. M. Baker. No. 1,098,421; June 2; Gaz. vol. 203; p. 22.
- Ophthalmic mounting. H. H. Styll. No. 1,103,449; July 14; Gaz. vol. 204; p. 472.
- Ophthalmic mounting. J. C. Wells. No. 1,103,389; July 14; Gaz. vol. 204; p. 451.
- Ophthalmic mounting. J. C. Wells and N. M. Baker. No. 1,104,157; July 21; Gaz. vol. 204; p. 759.
- Ophthalmometer. W. and C. S. Gowalland. No. 1,110,197; Sept. 8; Gaz. vol. 206; p. 517.
- Optical instrument. W. A. Chapman. No. 1,096,284; May 12; Gaz. vol. 202; p. 415.
- Optical instrument. H. L. De Zeng. No. 1,087,532; Feb. 17; Gaz. vol. 199; p. 775.
- Optical instrument. H. L. De Zeng. No. 1,115,408; Oct. 27; Gaz. vol. 207; p. 1185.
- Optical instrument. W. Work. No. 1,088,507; Feb. 24; Gaz. vol. 199; p. 1156.
- Optical-instrument-adjusting device. H. Jacob. No. 1,085,612; Feb. 3; Gaz. vol. 199; p. 11.
- Optical instruments, Means for adjusting. P. Ferber. No. 1,118,193; Nov. 24; Gaz. vol. 208; p. 1070.
- Optical pyrometer. A. C. Burleigh. No. 1,119,571; Dec. 1; Gaz. vol. 209; p. 232.
- Optical square. O. Eppenstein. No. 1,105,895; Aug. 4; Gaz. vol. 205; p. 107.
- Optical square prism. A. König. No. 1,101,081; June 23; Gaz. vol. 203; p. 1068.
- Optical squares, Manufacture of. O. Eppenstein. No. 1,112,418; Sept. 29; Gaz. vol. 206; p. 1410.
- Optical system for prism-carrying devices. E. Bernick. No. 1,104,769; July 28; Gaz. vol. 204; p. 1020.
- Optical testing purposes, Trial-frame for. H. G. Herold. No. 1,096,169; May 12; Gaz. vol. 202; p. 374.
- Orchard-heater. E. G. Button and F. M. Huntoon. No. 1,091,731; Mar. 31; Gaz. vol. 200; p. 1211.
- Orchard-heater. C. Byron and A. Armstrong. No. 1,098,708; June 2; Gaz. vol. 203; p. 120.
- Orchard-heater. E. E. Chinn. No. 1,086,275; Feb. 3; Gaz. vol. 199; p. 243.
- Orchard-heater. C. D. Filstead. No. 1,110,539; Sept. 15; Gaz. vol. 206; p. 677.
- Orchard-heater. W. B. Greer. No. 1,112,902; Oct. 6; Gaz. vol. 207; p. 171.
- Orchard-heater. J. L. Hamilton. No. 1,088,658; Feb. 24; Gaz. vol. 199; p. 1205.
- Orchard-heater. J. L. Hamilton. No. 1,091,216; Mar. 24; Gaz. vol. 200; p. 996.
- Orchard-heater. J. L. Hamilton. No. 1,092,835; Apr. 14; Gaz. vol. 201; p. 279.
- Orchard-heater. J. L. Hamilton. No. 1,094,401; Apr. 21; Gaz. vol. 201; p. 845.
- Orchard-heater. J. L. Hamilton. No. 1,099,175; June 9; Gaz. vol. 203; p. 319.
- Orchard-heater. R. Peter. No. 1,108,471; Aug. 25; Gaz. vol. 205; p. 1148.
- Orchard-heater. F. M. Salmon. No. 1,104,832; July 28; Gaz. vol. 204; p. 1043.
- Orchard-heater. W. C. Scheu. No. 1,089,013; Mar. 3; Gaz. vol. 200; p. 116.
- Orchard-heater. W. C. Scheu. No. 1,100,101; June 16; Gaz. vol. 203; p. 674.
- Orchard-heater. R. G. Smith and E. N. Percy. No. 1,091,170; Mar. 24; Gaz. vol. 200; p. 980.
- Orchard protective covering. L. T. Cadwallader and H. E. Anthony. No. 1,106,624; Aug. 11; Gaz. vol. 205; p. 408.
- Orchards, Device for preventing frosts in. J. L. Carder. No. 1,111,993; Sept. 29; Gaz. vol. 206; p. 1261.
- Orchestrion. B. R. Van Valkenburg. No. 1,109,268; Sept. 1; Gaz. vol. 206; p. 146.
- Ordnance. W. D. Smith. No. 1,111,039; Sept. 22; Gaz. vol. 206; p. 895.
- Ordnance. C. G. Yoran. No. 1,112,748; Oct. 6; Gaz. vol. 207; p. 120.
- Ordnance-adjusting means. E. H. Frisell. No. 1,086,590; Feb. 10; Gaz. vol. 199; p. 399.
- Ordnance breech mechanism. S. A. de Castilho. No. 1,090,449; Mar. 17; Gaz. vol. 200; p. 702.
- Ordnance, Firing-gear of breech-loading. A. T. Dawson and G. T. Buckham. No. 1,087,219; Feb. 17; Gaz. vol. 199; p. 667.
- Ordnance, Firing mechanism of breech-loading. A. T. Dawson and G. T. Buckham. No. 1,116,392; Nov. 10; Gaz. vol. 208; p. 356.
- Ordnance, Obturator for breech-loading. G. Gerdorn. No. 1,090,204; Mar. 17; Gaz. vol. 200; p. 615.
- Ordnance ranging and pointing gear. A. T. Dawson and G. T. Buckham. No. 1,106,083; Aug. 4; Gaz. vol. 205; p. 174.
- Ordnance, Recoil and running-out gear for. A. T. Dawson and G. T. Buckham. No. 1,109,047; Sept. 1; Gaz. vol. 206; p. 68.
- Ordnance sighting apparatus. A. T. Dawson and G. T. Buckham. No. 1,112,526; Oct. 6; Gaz. vol. 207; p. 40.
- Ordnance sighting apparatus. K. Völler. No. 1,088,191; Feb. 24; Gaz. vol. 199; p. 1051.
- Ore and other materials, Machine for concentrating. L. M. A. Zumbusch. No. 1,096,087; May 12; Gaz. vol. 202; p. 347.
- Ore, bulk or dense cargo carrier. H. P. Frear. No. 1,111,740; Sept. 29; Gaz. vol. 206; p. 1172.
- Ore-classifier. C. O. Michaelsen. No. 1,090,326; Mar. 17; Gaz. vol. 200; p. 657.
- Ore-concentrating apparatus. J. M. Callow. No. 1,104,755; July 21; Gaz. vol. 204; p. 966.
- Ore-concentrating apparatus. W. F. Deister. No. 1,088,685; Mar. 3; Gaz. vol. 200; p. 5.
- Ore-concentrating machine. G. W. Burnhart and A. Krieg. No. 1,106,923; Aug. 11; Gaz. vol. 205; p. 512.
- Ore-concentrating table. H. D. McLeod. No. 1,110,070; Sept. 8; Gaz. vol. 206; p. 470.
- Ore-concentrating tables, Operating. E. B. Kirby. No. 1,105,799; Aug. 4; Gaz. vol. 205; p. 74.
- Ore concentration. G. A. Chapman. No. 1,102,874; July 7; Gaz. vol. 204; p. 227.
- Ore concentration. G. A. Chapman and S. Tucker. No. 1,102,873; July 7; Gaz. vol. 204; p. 227.
- Ore concentration. H. H. Greenway and A. H. P. Lowry. No. 1,102,738; July 7; Gaz. vol. 204; p. 180.
- Ore-concentration apparatus. W. Broadbridge and A. C. Howard. No. 1,084,196; Jan. 13; Gaz. vol. 198; p. 342.
- Ore concentration, Method and apparatus for. E. H. Nutter and T. J. Hoover. No. 1,093,463; Apr. 14; Gaz. vol. 201; p. 492.
- Ore-concentrator. T. L. Crane. No. 1,116,246; Nov. 3; Gaz. vol. 208; p. 266.
- Ore-concentrator. P. H. Darrah. No. 1,101,415; June 23; Gaz. vol. 203; p. 1180.
- Ore-concentrator. H. Earle. No. 1,085,596; Feb. 3; Gaz. vol. 199; p. 7.
- Ore-concentrator. C. I. Glassbrook. No. 1,083,531; Jan. 6; Gaz. vol. 198; p. 91.
- Ore-concentrator. J. L. Signorette. No. 1,098,183; May 26; Gaz. vol. 202; p. 1160.
- Ore-concentrator. P. Stenger. No. 1,105,109; July 28; Gaz. vol. 204; p. 1137.
- Ore-concentrator. H. E. Wood. No. 1,088,050; Feb. 24; Gaz. vol. 199; p. 1003.
- Ore-concentrator, Shaking. J. C. Smith. No. 1,118,593; Nov. 24; Gaz. vol. 208; p. 1212.
- Ore-concentrators, Driving mechanism for. E. Deister. No. 1,101,486; June 23; Gaz. vol. 203; p. 1205.
- Ore-cooler. R. W. Hanington. No. 1,101,433; June 23; Gaz. vol. 203; p. 1186.
- Ore-cooler. F. Laist. No. 1,090,549; Mar. 17; Gaz. vol. 200; p. 736.
- Ore-crusher. Gravity. R. F. Collins. No. 1,118,474; Nov. 24; Gaz. vol. 208; p. 1171.

Alphabetical list of inventions—Continued.

- Ore-dressing apparatus. H. Velten. No. 1,089,606; Mar. 10; Gaz. vol. 200; p. 367.
- Ore-dust for smelting. Preparing. W. Cooper. No. 1,103,400; July 14; Gaz. vol. 204; p. 455.
- Ore-feeder. T. G. Worthington and H. O. Langstaff. No. 1,098,206; May 26; Gaz. vol. 202; p. 1168.
- Ore or other material. Apparatus for sizing comminuted. H. W. Hardinge. No. 1,098,497; June 2; Gaz. vol. 203; p. 49.
- Ore-pulp classifier. J. T. Terry, Jr. No. 1,109,485; Sept. 1; Gaz. vol. 206; p. 221.
- Ore-pulverizer. O. J. Moussette. No. 1,087,967; Feb. 24; Gaz. vol. 199; p. 974.
- Ore-reducing apparatus. R. S. Wile. No. 1,111,050; Sept. 22; Gaz. vol. 206; p. 900.
- Ore-roaster. G. H. Dern and T. P. Holt. No. 1,113,961; Oct. 20; Gaz. vol. 207; p. 623.
- Ore-roaster. G. H. Dern and T. P. Holt. No. 1,113,962; Oct. 20; Gaz. vol. 207; p. 624.
- Ore roasting and sintering apparatus. A. S. Dwight. No. 1,102,982; July 7; Gaz. vol. 204; p. 262.
- Ore roasting and sintering apparatus. J. E. Greenawalt. No. 1,088,818; Mar. 3; Gaz. vol. 200; p. 49.
- Ore-roasting furnace. G. P. Gibson. No. 1,107,604; Aug. 18; Gaz. vol. 205; p. 799.
- Ore-roasting furnace. A. F. Herzig. No. 1,108,906; Sept. 1; Gaz. vol. 206; p. 16.
- Ore-roasting furnace. W. F. Murphy. No. 1,099,309; June 9; Gaz. vol. 203; p. 364.
- Ore-sampler. C. H. Urquhart. No. 1,088,638; Feb. 24; Gaz. vol. 199; p. 1198.
- Ore-separator. A. E. Bookwalter and M. A. Dorland. No. 1,083,481; Jan. 6; Gaz. vol. 198; p. 74.
- Ore-separator. F. J. Hobson and C. E. Beyer. No. 1,085,256; Jan. 27; Gaz. vol. 198; p. 764.
- Ore-separator. E. W. Hoffman. No. 1,094,566; Apr. 28; Gaz. vol. 201; p. 963.
- Ore-separator, Magnetic. G. Land. No. 1,109,634; Sept. 1; Gaz. vol. 206; p. 273.
- Ore-sintering apparatus. A. F. Plock. No. 1,089,153; Mar. 3; Gaz. vol. 200; p. 168.
- Ore stamp-mill. P. N. Nissen. No. 1,119,308; Dec. 1; Gaz. vol. 209; p. 140.
- Ore-treating process. W. A. Thacher. No. 1,119,473; Dec. 1; Gaz. vol. 209; p. 197.
- Ore treatment. C. Robinson. No. 1,105,102; July 28; Gaz. vol. 204; p. 1135.
- Ores, Agglomerating fine. J. H. Payne. No. 1,114,029; Oct. 20; Gaz. vol. 207; p. 645.
- Ores, Agglomerating fine. J. H. Payne. No. 1,114,030; Oct. 20; Gaz. vol. 207; p. 646.
- Ores, Agitator and filter for treating. J. D. Fields. No. 1,107,922; Aug. 18; Gaz. vol. 205; p. 908.
- Ores and like material. Calcining, desulfurizing, agglomerating, and sintering. F. D. Weeks. (Reissue.) No. 1,3758; June 23; Gaz. vol. 203; p. 1219.
- Ores and other materials. Mechanism for oxidizing, reducing, or otherwise treating. F. von Schlippenbach. No. 1,119,459; Dec. 1; Gaz. vol. 209; p. 192.
- Ores and other metallic sulfids. Treating sulfid. K. Birkeland. No. 1,121,606; Dec. 22; Gaz. vol. 209; p. 1061.
- Ores, Apparatus for magnetizing desulfurized. G. S. Brooks. No. 1,090,516; Mar. 17; Gaz. vol. 200; p. 725.
- Ores, Apparatus for recovering valuable constituents from. F. H. Prentiss. No. 1,104,132; July 21; Gaz. vol. 204; p. 751.
- Ores by means of peat. Reduction of. P. Anderson and E. E. son Odelstierna. No. 1,105,870; Aug. 4; Gaz. vol. 205; p. 100.
- Ores, Concentrating. W. S. Stevens. No. 1,116,642; Nov. 10; Gaz. vol. 208; p. 449.
- Ores, Concentration of. H. H. Greenway. No. 1,099,699; June 9; Gaz. vol. 203; p. 501.
- Ores containing deleterious slimes. Treating cyanidable. W. E. Darrow. No. 1,098,020; May 26; Gaz. vol. 202; p. 1105.
- Ores, Dry treatment of. W. Buddeus. No. 1,121,226; Dec. 15; Gaz. vol. 209; p. 894.
- Ores, Extracting copper from. G. D. Van Arsdale. No. 1,119,477; Dec. 1; Gaz. vol. 209; p. 199.
- Ores, Extracting copper from. G. D. Van Arsdale. No. 1,119,478; Dec. 1; Gaz. vol. 209; p. 199.
- Ores, Forming agglomerated bodies from. W. Schumacher. No. 1,121,048; Dec. 15; Gaz. vol. 209; p. 832.
- Ores in two chambers or retorts arranged behind each other. Heating. E. Menne. No. 1,114,502; Oct. 20; Gaz. vol. 207; p. 817.
- Ores, intermediate products, and other metalliferous materials. Roasting. R. V. Zelewski. No. 1,097,500; May 19; Gaz. vol. 202; p. 877.
- Ores, Means for separating. C. L. Hoge. No. 1,104,117; July 21; Gaz. vol. 204; p. 745.
- Ores, Means for treating. F. P. Arnold and G. F. Wedeman. No. 1,104,239; July 21; Gaz. vol. 204; p. 787.
- Ores of silver and gold. Treating complex refractory. C. G. Titus. No. 1,111,976; Sept. 29; Gaz. vol. 206; p. 1256.
- Ores or metalliferous products. Agglomerating fine. E. A. Pretceille. No. 1,096,054; May 12; Gaz. vol. 202; p. 336.
- Ores or the like. Method and apparatus for separating. O. A. Zander. No. 1,083,979; Jan. 13; Gaz. vol. 198; p. 267.
- Ores, Recovering metalliferous constituents of. J. T. Terry, Jr. No. 1,094,760; Apr. 28; Gaz. vol. 201; p. 1034.
- Ores, Reducing. H. C. Alford. No. 1,097,156; May 19; Gaz. vol. 202; p. 758.
- Ores, Reducing. R. S. Wile. No. 1,111,049; Sept. 22; Gaz. vol. 206; p. 899.
- Ores, Reducing. R. S. Wile. No. 1,111,341; Sept. 22; Gaz. vol. 206; p. 1000.
- Ores, Roasting. F. Laist. No. 1,114,372; Oct. 20; Gaz. vol. 207; p. 768.
- Ores, Separating barytes from. C. J. Greenstreet. (Re-issue.) No. 13,735; May 26; Gaz. vol. 202; p. 1226.
- Ores, Treating. F. P. Arnold and G. F. Wedeman. No. 1,104,287; July 21; Gaz. vol. 204; p. 804.
- Ores, Treating. C. J. Best. No. 1,084,600; Jan. 20; Gaz. vol. 198; p. 502.
- Ores, Treating. N. C. Christensen, Jr., and T. P. Holt. No. 1,107,240; Aug. 11; Gaz. vol. 205; p. 622.
- Ores, Treatment of refractory. J. Foye, H. E. Moore, and R. Boyle. No. 1,113,323; Oct. 13; Gaz. vol. 207; p. 360.
- Organ. J. T. Austin. No. 1,100,045; June 16; Gaz. vol. 203; p. 654.
- Organ. F. J. Flaherty. No. 1,104,648; July 21; Gaz. vol. 204; p. 929.
- Organ-action. J. T. Austin. No. 1,107,128; Aug. 11; Gaz. vol. 205; p. 579.
- Organ-action. J. T. Austin. No. 1,107,130; Aug. 11; Gaz. vol. 205; p. 580.
- Organ-action, Pneumatic. O. Haase. No. 1,114,879; Oct. 27; Gaz. vol. 207; p. 1000.
- Organ, Automatic. C. Tussing. No. 1,096,329; May 12; Gaz. vol. 202; p. 432.
- Organ-blower. A. J. Schantz. No. 1,117,605; Nov. 17; Gaz. vol. 208; p. 824.
- Organ-blower. I. H. Spencer. No. 1,115,873; Nov. 3; Gaz. vol. 208; p. 138.
- Organ-blowers. Valve for. I. H. Spencer. No. 1,116,639; Nov. 10; Gaz. vol. 208; p. 447.
- Organ key and stop action. J. T. Austin. No. 1,107,129; Aug. 11; Gaz. vol. 205; p. 580.
- Organ key mechanism. J. T. Austin. No. 1,097,507; May 19; Gaz. vol. 202; p. 879.
- Organs, Key mechanism for. J. T. Austin. No. 1,113,861; Oct. 13; Gaz. vol. 207; p. 550.
- Organ-pipe. B. G. Austin. No. 1,097,506; May 19; Gaz. vol. 202; p. 879.
- Organ, Reed-. G. Cloetens. No. 1,095,268; May 5; Gaz. vol. 202; p. 32.
- Organ-shutter. J. T. Austin. No. 1,119,486; Dec. 1; Gaz. vol. 209; p. 202.
- Organ-stop-key-releasing device. R. Hope-Jones. No. 1,121,586; Dec. 15; Gaz. vol. 209; p. 1019.
- Organ-valve. J. T. Austin. No. 1,100,046; June 16; Gaz. vol. 203; p. 655.
- Organs, Combination stop mechanism for. R. Hope-Jones. No. 1,119,602; Dec. 1; Gaz. vol. 209; p. 242.
- Organs, Electric action for. J. T. Austin. No. 1,107,127; Aug. 11; Gaz. vol. 205; p. 579.
- Organs, Means for controlling adjustable combination stop-actions in self-playing. H. G. Kinder. No. 1,101,937; June 30; Gaz. vol. 203; p. 1413.
- Organs, Shutter-operating mechanism for pipe-. J. T. Austin. No. 1,090,963; Mar. 24; Gaz. vol. 200; p. 907.
- Organic analysis. Apparatus for use in elementary. H. Brach. No. 1,112,432; Oct. 6; Gaz. vol. 207; p. 5.
- Ornamenting with botanic specimens. W. E. Heeren. No. 1,084,858; Jan. 20; Gaz. vol. 198; p. 592.
- Orthodontia appliance. C. F. Montag. No. 1,085,466; Jan. 27; Gaz. vol. 198; p. 835.
- Orthodontia appliance. C. F. Montag. No. 1,101,504; June 23; Gaz. vol. 203; p. 1213.
- Orthodontia-pliers. C. F. Montag. No. 1,103,606; July 14; Gaz. vol. 204; p. 529.
- Orthodontic appliance. R. D. Robinson. No. 1,114,291; Oct. 20; Gaz. vol. 207; p. 741.
- Orthopedic apparatus. F. Haas. No. 1,100,430; June 16; Gaz. vol. 203; p. 789.
- Oscillating engine and self-regulating gear therefor. J. Bergesen. No. 1,116,974; Nov. 10; Gaz. vol. 208; p. 564.
- Oscillator, High-tension. W. Otto. No. 1,103,822; July 14; Gaz. vol. 204; p. 603.
- Oscillator, Wireless. H. P. Dwyer. No. 1,109,909; Sept. 8; Gaz. vol. 206; p. 413.
- Osteopathic table. J. V. McManis and W. L. Sherwood. No. 1,085,457; Jan. 27; Gaz. vol. 198; p. 831.
- Osteopathic-treatment table. H. J. Dorrance. No. 1,092,435; Apr. 7; Gaz. vol. 201; p. 108.
- Outlet-box. H. C. Mills. No. 1,103,905; July 14; Gaz. vol. 204; p. 632.
- Outlet-box, Collapsible. W. J. Billings and M. P. Caffee. No. 1,109,391; Sept. 1; Gaz. vol. 206; p. 191.
- Outlet-boxes, Attachment for conduit. J. C. Philps. No. 1,117,084; Nov. 10; Gaz. vol. 208; p. 602.
- Outlet-boxes, Support for conduit. B. P. McKinley. No. 1,098,581; June 2; Gaz. vol. 203; p. 78.

Alphabetical list of inventions—Continued.

- Outlet or junction box. G. A. Lutz. No. 1,099,987; June 16; Gaz. vol. 203; p. 634.
- Outlet or junction box. G. A. Lutz and C. C. Sibley. No. 1,099,986; June 16; Gaz. vol. 203; p. 634.
- Outlet or switch box. M. Robinson. No. 1,121,291; Dec. 15; Gaz. vol. 209; p. 916.
- Outsole, Flexible. F. M. Furber. No. 1,115,922; Nov. 3; Gaz. vol. 208; p. 155.
- Outsole trimming and channeling machine. F. E. Valois. No. 1,118,883; Nov. 24; Gaz. vol. 208; p. 1309.
- Oven. C. André. No. 1,083,908; Jan. 13; Gaz. vol. 198; p. 243.
- Oven. R. W. Davenport. No. 1,108,890; Sept. 1; Gaz. vol. 206; p. 9.
- Oven. F. A. Gercich and J. Vaughn. No. 1,107,285; Aug. 18; Gaz. vol. 205; p. 685.
- Oven. C. C. Leidy. No. 1,116,085; Nov. 3; Gaz. vol. 208; p. 212.
- Oven. D. J. Monahan. No. 1,100,087; June 16; Gaz. vol. 203; p. 669.
- Oven. J. M. Roberts. No. 1,088,628; Feb. 24; Gaz. vol. 199; p. 1196.
- Oven. C. H. Stolp. No. 1,114,931; Oct. 27; Gaz. vol. 207; p. 1019.
- Oven. H. C. Taylor. No. 1,120,103; Dec. 8; Gaz. vol. 209; p. 449.
- Oven. G. S. Welch. No. 1,119,737; Dec. 1; Gaz. vol. 209; p. 286.
- Oven. W. H. Wilder and F. E. White. No. 1,107,470; Aug. 18; Gaz. vol. 205; p. 752.
- Oven, Adjustable. H. C. Taylor. No. 1,109,263; Sept. 1; Gaz. vol. 206; p. 144.
- Oven and the like, Internally-heated cooking-. C. H. D. Hunter. No. 1,099,050; June 2; Gaz. vol. 203; p. 233.
- Oven attachment. J. L. Jaglowitz. No. 1,116,431; Nov. 10; Gaz. vol. 208; p. 369.
- Oven, Bake-. J. Faulds. No. 1,100,062; June 16; Gaz. vol. 203; p. 660.
- Oven, Baker's. L. F. A. Druet and G. Larraburu. No. 1,119,253; Dec. 1; Gaz. vol. 209; p. 121.
- Oven, Baker's. V. D. Dunahugh and H. Crouthamel. No. 1,086,034; Feb. 3; Gaz. vol. 199; p. 163.
- Oven, Baker's. F. C. Ihlee. No. 1,084,439; Jan. 13; Gaz. vol. 198; p. 420.
- Oven, Baker's. M. W. Jacobi. No. 1,097,229; May 19; Gaz. vol. 202; p. 734.
- Oven, Baker's. M. W. Jacobi. No. 1,098,729; June 2; Gaz. vol. 203; p. 127.
- Oven, Baker's. G. H. McCausland. No. 1,101,305; June 23; Gaz. vol. 203; p. 1143.
- Oven, Baking-. W. S. Corby and J. L. Parsons, Jr. No. 1,107,195; Aug. 11; Gaz. vol. 205; p. 606.
- Oven-brace. M. M. Koch. No. 1,110,697; Sept. 15; Gaz. vol. 206; p. 734.
- Oven, Confectioner's. L. J. Clark. No. 1,117,326; Nov. 17; Gaz. vol. 208; p. 728.
- Oven-door. F. K. Berry. No. 1,111,352; Sept. 22; Gaz. vol. 206; p. 1004.
- Oven-door. P. C. Brenner. No. 1,112,255; Sept. 29; Gaz. vol. 206; p. 1353.
- Oven-door. G. A. Glover. No. 1,122,382; Dec. 29; Gaz. vol. 209; p. 1368.
- Oven-door. W. McMurray and P. B. Rule. No. 1,120,835; Dec. 15; Gaz. vol. 209; p. 757.
- Oven-door. L. Stockstrom. No. 1,108,810; Aug. 25; Gaz. vol. 205; p. 1264.
- Oven door, Baker's-. M. W. Jacobi. No. 1,086,918; Feb. 10; Gaz. vol. 199; p. 513.
- Oven, Electric. C. S. Steward. No. 1,087,200; Feb. 17; Gaz. vol. 199; p. 658.
- Oven, Electrical drying-. H. J. Cary-Curr. No. 1,083,592; Jan. 6; Gaz. vol. 198; p. 110.
- Oven, Electrically-heated. H. P. Ball. No. 1,094,771; Apr. 28; Gaz. vol. 201; p. 1038.
- Oven-feeding mechanism, Baker's-. W. F. Petersen. No. 1,095,669; May 5; Gaz. vol. 202; p. 170.
- Oven for drying or baking coated metal vessels or other articles. F. Rudolph. No. 1,086,731; Feb. 10; Gaz. vol. 199; p. 447.
- Oven for ice-cream-cone-molding devices. F. A. Bruckman. No. 1,091,729; Mar. 31; Gaz. vol. 200; p. 1211.
- Oven, Heating-. J. H. Maurer. No. 1,111,913; Sept. 29; Gaz. vol. 206; p. 1237.
- Oven-heating apparatus. W. S. Quigley. No. 1,107,353; Aug. 18; Gaz. vol. 205; p. 709.
- Oven-lighting device. A. Süßlin. No. 1,089,982; Mar. 10; Gaz. vol. 200; p. 496.
- Oven, Portable. H. Gehrich. No. 1,104,652; July 21; Gaz. vol. 204; p. 931.
- Oven, portable enameling-. H. A. Polhemus. No. 1,109,545; Sept. 1; Gaz. vol. 206; p. 240.
- Oven, Regenerative. W. Mueller. No. 1,089,663; Mar. 10; Gaz. vol. 200; p. 387.
- Oven suitable for use in the manufacture of tiles, pottery and analogous ware and for other purposes. C. Dressler. No. 1,116,036; Nov. 3; Gaz. vol. 208; p. 195.
- Oven, Water-jacketed. G. E. May. No. 1,097,814; May 26; Gaz. vol. 202; p. 1031.
- Ovens, Coal-leveling machine for beehive-. W. Sangster. No. 1,089,675; Mar. 10; Gaz. vol. 200; p. 392.
- Ovens, Feed Mechanism for bakers'. F. Kühtz. No. 1,085,614; Feb. 3; Gaz. vol. 199; p. 12.
- Ovens, &c., Heat-transmitting fluid for baking-. O. Schmidt. No. 1,120,246; Dec. 8; Gaz. vol. 209; p. 501.
- Overalls. S. Kirshen. No. 1,091,665; Mar. 31; Gaz. vol. 200; p. 1189.
- Overalls, Belt-strap for. F. E. Day. No. 1,107,158; Aug. 11; Gaz. vol. 205; p. 594.
- Overcoat. J. B. Fensterwald. No. 1,098,665; June 2; Gaz. vol. 203; p. 105.
- Overcoat. J. Goldman. No. 1,100,871; June 23; Gaz. vol. 203; p. 992.
- Overflow and waste-valve therefor, Integral. W. A. Henn. No. 1,113,627; Oct. 13; Gaz. vol. 207; p. 466.
- Overhead crossing. J. Ledwinka. No. 1,102,766; July 7; Gaz. vol. 204; p. 190.
- Overhead feed device. S. Rockman. No. 1,122,645; Dec. 29; Gaz. vol. 209; p. 1460.
- Overload uncoupling coupling. L. A. Westin. No. 1,091,449; Mar. 24; Gaz. vol. 200; p. 1069.
- Overseaming-machine. L. Onderdonk. No. 1,109,455; Sept. 1; Gaz. vol. 206; p. 211.
- Overshoe. E. A. Hunter. No. 1,105,437; July 28; Gaz. vol. 204; p. 1255.
- Overshoe. A. F. Kelly. No. 1,106,568; Aug. 11; Gaz. vol. 205; p. 388.
- Overshoe. J. T. Simpson. No. 1,111,188; Sept. 22; Gaz. vol. 206; p. 949.
- Overshoe and legging, Combined. E. B. McNeer. No. 1,091,223; Mar. 17; Gaz. vol. 200; p. 621.
- Overshoe attachment. J. Gross. No. 1,119,277; Dec. 1; Gaz. vol. 200; p. 129.
- Overshoe-fastening. R. B. Stroup. No. 1,089,510; Mar. 10; Gaz. vol. 200; p. 334.
- Overshoe, Flexible dress-. C. L. K. Ferguson. No. 1,095,834; May 5; Gaz. vol. 202; p. 225.
- Overshoe jack and scraper, Combined. J. Streeton. No. 1,089,600; Mar. 10; Gaz. vol. 200; p. 366.
- Overshoe-retainer. S. M. Palmer. No. 1,089,073; Mar. 3; Gaz. vol. 200; p. 136.
- Overshoe-retainer. J. R. Whitaker. No. 1,110,362; Sept. 15; Gaz. vol. 206; p. 615.
- Oxids of the rare earths, thorium oxid, zirconium oxid, and the like, Manufacturing utensils and the like from. H. Arnold. No. 1,121,889; Dec. 22; Gaz. vol. 209; p. 1162.
- Oxids of the rare earths, thorium oxid, zirconium oxid, and the like, Manufacturing utensils and the like from. H. Arnold. No. 1,121,890; Dec. 22; Gaz. vol. 209; p. 1162.
- Oxid of tin, Making pure. G. Spitz. No. 1,119,547; Dec. 1; Gaz. vol. 209; p. 224.
- Oxidation. C. Ellis. No. 1,103,017; July 7; Gaz. vol. 204; p. 275.
- Oxidizing. L. Linden. No. 1,094,731; Apr. 28; Gaz. vol. 201; p. 1025.
- Oxidizing agents, Stabilized. W. E. Kemmerich. No. 1,101,449; June 23; Gaz. vol. 203; p. 1192.
- Oxidizing compounds and producing terpene peroxid. A. S. Ramage. No. 1,097,939; May 26; Gaz. vol. 202; p. 1076.
- Oxyacetylene and similar burner. F. Krauss. No. 1,095,580; May 5; Gaz. vol. 202; p. 139.
- Oxygen, Apparatus for the manufacture of. E. F. Aumont. No. 1,088,052; Feb. 24; Gaz. vol. 199; p. 1003.
- Oxygen, Means for distributing. A. B. Dräger. No. 1,114,126; Oct. 20; Gaz. vol. 207; p. 681.
- Oxyhydrocarbon-burner. C. W. Turner. No. 1,097,066; May 19; Gaz. vol. 202; p. 726.
- Oyster-dredge catcher. M. Gandy. No. 1,117,023; Nov. 10; Gaz. vol. 208; p. 581.
- Oyster-opening machine. C. D. Newman. No. 1,084,814; Jan. 20; Gaz. vol. 198; p. 577.
- Oyster-shucking machine. E. P. Dandridge. No. 1,117,984; Nov. 24; Gaz. vol. 208; p. 998.
- Ozone apparatus. J. E. Seeley. No. 1,102,963; July 7; Gaz. vol. 204; p. 257.
- Ozone, Apparatus for the production of. J. Steynis. No. 1,100,997; June 23; Gaz. vol. 203; p. 1038.
- Ozone-generator. W. O. Freet. No. 1,085,598; Feb. 3; Gaz. vol. 199; p. 7.
- Ozone-generator. S. Held. No. 1,085,579; Jan. 27; Gaz. vol. 198; p. 871.
- Ozone-producer. H. A. Thomson. No. 1,105,717; Aug. 4; Gaz. vol. 205; p. 47.
- Ozonizing and sterilizing apparatus. F. E. Blanchard. No. 1,096,991; May 19; Gaz. vol. 202; p. 699.
- Package. A. L. A. Dodge. No. 1,094,542; Apr. 28; Gaz. vol. 201; p. 955.
- Package. H. A. Sévigné. No. 1,104,739; July 21; Gaz. vol. 204; p. 961.
- Package. L. C. Weet. No. 1,087,340; Feb. 17; Gaz. vol. 199; p. 708.
- Package. F. J. Weston. No. 1,089,889; Mar. 10; Gaz. vol. 200; p. 464.
- Package-band. W. J. Chamberlain. No. 1,110,534; Sept. 15; Gaz. vol. 206; p. 675.
- Package-band-fastening device. W. A. Paulus. No. 1,092,855; Apr. 14; Gaz. vol. 201; p. 287.

Alphabetical list of inventions—Continued.

- Package-box. J. O. Johnson. No. 1,098,322; May 26; Gaz. vol. 202; p. 1209.
- Package-can. J. F. Adams. No. 1,090,264; Mar. 17; Gaz. vol. 200; p. 635.
- Package closure, Paper-. A. L. Weis. No. 1,095,535; May 5; Gaz. vol. 202; p. 125.
- Package-edge protector. J. A. Peck. No. 1,100,772; June 23; Gaz. vol. 203; p. 958.
- Package-fastener. W. J. McFerran. No. 1,085,749; Feb. 3; Gaz. vol. 199; p. 61.
- Package-fastener. H. F. Molkenbur. No. 1,116,904; Nov. 10; Gaz. vol. 208; p. 540.
- Package-filling machine. L. S. Whitton. No. 1,115,758; Nov. 3; Gaz. vol. 208; p. 99.
- Package for beer, ale, wine, and other liquids, Metal-lined. W. A. Hall. No. 1,086,169; Feb. 3; Gaz. vol. 199; p. 209.
- Package for decorative substances. G. J. Irsch. No. 1,087,947; Feb. 24; Gaz. vol. 199; p. 966.
- Package for toilet purposes. E. A. Hamilton. No. 1,122,108; Dec. 22; Gaz. vol. 209; p. 1237.
- Package for use in sending fragile articles. I. A. Milliron. No. 1,107,339; Aug. 18; Gaz. vol. 205; p. 704.
- Package-handle. W. Hurlburt. No. 1,109,290; Sept. 1; Gaz. vol. 206; p. 153.
- Package-supporting device. A. H. Scott. No. 1,106,003; Aug. 4; Gaz. vol. 205; p. 146.
- Package-tie. J. S. Allen. No. 1,093,096; Apr. 14; Gaz. vol. 201; p. 369.
- Package-tie. F. Buse. No. 1,088,530; Feb. 24; Gaz. vol. 199; p. 1163.
- Package-tie. Z. L. Duchene. No. 1,090,696; Mar. 17; Gaz. vol. 200; p. 785.
- Package-tie. C. I. Miller. No. 1,114,014; Oct. 20; Gaz. vol. 207; p. 641.
- Package-tie. C. A. Patrick. No. 1,089,952; Mar. 10; Gaz. vol. 200; p. 487.
- Package-tie. C. C. Van Dyke. No. 1,088,190; Feb. 24; Gaz. vol. 199; p. 1051.
- Package-tier. A. Sohm. No. 1,118,825; Nov. 24; Gaz. vol. 208; p. 1289.
- Package-tying device. B. S. Robertson. No. 1,119,638; Dec. 1; Gaz. vol. 209; p. 254.
- Package-wrapper. J. T. Ferres. No. 1,121,817; Dec. 22; Gaz. vol. 209; p. 1135.
- Packages, Apparatus for applying closures to. A. M. Bates. No. 1,099,275; June 9; Gaz. vol. 203; p. 353.
- Packages, Filling. A. M. Bates. No. 1,104,726; July 21; Gaz. vol. 204; p. 956.
- Packaged article and producing the same. F. Graeber. No. 1,114,748; Oct. 27; Gaz. vol. 207; p. 952.
- Packaging-machine. F. Giroud. No. 1,110,125; Sept. 8; Gaz. vol. 206; p. 491.
- Packaging-machine. O. A. Hanford. No. 1,091,509; Mar. 31; Gaz. vol. 200; p. 1135.
- Packaging-machine. C. B. Stilwell. No. 1,109,023; Sept. 1; Gaz. vol. 206; p. 60.
- Packaging machine, Article-. C. Casey. No. 1,108,696; Aug. 25; Gaz. vol. 205; p. 1226.
- Packaging materials, Machine for. G. W. Gwinn. No. 1,114,256; Oct. 20; Gaz. vol. 207; p. 729.
- Packaging-receptacles, Machine for transferring. A. D. Holt. No. 1,092,106; Mar. 31; Gaz. vol. 200; p. 1339.
- Packed moving part. F. J. McCandless. No. 1,085,351; Jan. 27; Gaz. vol. 198; p. 798.
- Packer, Bottom-hole. C. A. Waitz. No. 1,097,277; May 19; Gaz. vol. 202; p. 801.
- Packer, Disk substructure. H. W. Campbell. No. 1,103,938; July 21; Gaz. vol. 204; p. 685.
- Packet and making same. C. L. Burdick. No. 1,093,605; Apr. 21; Gaz. vol. 201; p. 580.
- Packet, Emergency-. W. V. Gage. No. 1,116,687; Nov. 10; Gaz. vol. 208; p. 465.
- Packet-making machine. W. E. Molins. No. 1,114,281; Oct. 20; Gaz. vol. 207; p. 737.
- Packet-making machine. W. E. Molins. No. 1,115,716; Nov. 3; Gaz. vol. 208; p. 86.
- Packeting-machine. C. S. Nyberg. No. 1,088,791; Mar. 3; Gaz. vol. 200; p. 41.
- Packeting-machine for filling or delivering granular or other materials into bags or the like. W. Rose. No. 1,107,114; Aug. 11; Gaz. vol. 205; p. 574.
- Packing. H. D. Bennett. No. 1,097,074; May 19; Gaz. vol. 202; p. 729.
- Packing. F. H. Brown. No. 1,119,803; Dec. 8; Gaz. vol. 209; p. 346.
- Packing. P. Chappeau. No. 1,107,032; Aug. 11; Gaz. vol. 205; p. 547.
- Packing. G. W. Clement. No. 1,120,181; Dec. 8; Gaz. vol. 209; p. 478.
- Packing. J. S. Hettinger. No. 1,100,182; June 16; Gaz. vol. 203; p. 703.
- Packing. J. T. Huck. No. 1,118,861; Nov. 24; Gaz. vol. 208; p. 1301.
- Packing. W. N. Mears. No. 1,106,467; Aug. 11; Gaz. vol. 205; p. 350.
- Packing. C. E. Strong. No. 1,086,240; Feb. 3; Gaz. vol. 199; p. 233.
- Packing. T. Smith. No. 1,103,322; July 14; Gaz. vol. 204; p. 430.
- Packing. C. E. Strong. No. 1,087,516; Feb. 17; Gaz. vol. 199; p. 770.
- Packing. L. B. Wilson. No. 1,088,645; Feb. 24; Gaz. vol. 199; p. 1201.
- Packing and bushing. W. Fritz. No. 1,095,840; May 5; Gaz. vol. 202; p. 228.
- Packing and mulching implement. L. T. Rasmussen. No. 1,091,243; Mar. 24; Gaz. vol. 200; p. 1006.
- Packing-box. F. A. Droz. No. 1,100,716; June 23; Gaz. vol. 203; p. 939.
- Packing-box. P. L. Rearick. No. 1,102,687; July 7; Gaz. vol. 204; p. 162.
- Packing-case, Folding. J. S. Williamson. No. 1,115,759; Nov. 3; Gaz. vol. 208; p. 99.
- Packing, Collapsible. J. Surmann. No. 1,121,947; Dec. 22; Gaz. vol. 209; p. 1182.
- Packing, Collapsible. J. Surmann. No. 1,121,948; Dec. 22; Gaz. vol. 209; p. 1182.
- Packing, Collapsible. J. Surmann. No. 1,121,949; Dec. 22; Gaz. vol. 209; p. 1182.
- Packing composition. J. Sewell. No. 1,103,441; July 14; Gaz. vol. 204; p. 469.
- Packing composition, Joint-. J. Whitcomb. No. 1,083,419; Jan. 6; Gaz. vol. 198; p. 54.
- Packing disks and the like, Mechanism for. H. L. Compton. No. 1,113,932; Oct. 13; Gaz. vol. 207; p. 573.
- Packing for gas-engines, Piston-. A. Girtanner. No. 1,111,062; Sept. 22; Gaz. vol. 206; p. 904.
- Packing for journal-boxes. F. B. Birch. No. 1,103,025; July 14; Gaz. vol. 204; p. 327.
- Packing for steam and hydraulic use. M. Montgomery and H. M. Stewart. No. 1,117,688; Nov. 17; Gaz. vol. 208; p. 855.
- Packing, Lubricating-. G. Flawith. No. 1,102,332; July 7; Gaz. vol. 204; p. 39.
- Packing-machine. O. Hesser. No. 1,106,303; Aug. 4; Gaz. vol. 205; p. 246.
- Packing-machine. A. Hough. No. 1,119,162; Dec. 1; Gaz. vol. 209; p. 92.
- Packing, Machine for facilitating. M. Gianini. No. 1,102,493; July 7; Gaz. vol. 204; p. 95.
- Packing, Machine for making. W. D. Smith. No. 1,085,948; Feb. 3; Gaz. vol. 199; p. 132.
- Packing-making machine. W. G. Staples. No. 1,122,168; Dec. 22; Gaz. vol. 209; p. 1256.
- Packing material. R. H. Anderberg. No. 1,088,252; Feb. 24; Gaz. vol. 199; p. 1072.
- Packing material, Acid-proof. M. L. Chappell. No. 1,102,473; July 7; Gaz. vol. 204; p. 88.
- Packing, Metallic. W. Sudekum. No. 1,118,314; Nov. 24; Gaz. vol. 208; p. 1111.
- Packing, Metallic piston-. A. Soderlund. No. 1,088,737; Mar. 3; Gaz. vol. 200; p. 23.
- Packing, Metallic piston-rod. S. Caesar. No. 1,085,377; Jan. 27; Gaz. vol. 198; p. 806.
- Packing, Metallic rod-. C. R. Crump and L. J. Davis. No. 1,089,114; Mar. 3; Gaz. vol. 200; p. 151.
- Packing of composite material, Manufacture of cup-. A. R. Trist. No. 1,118,315; Nov. 24; Gaz. vol. 208; p. 1112.
- Packing of magnetic objects of oblong shape, Machine for facilitating the. O. Gamper. (Reissue.) No. 13,731; May 19; Gaz. vol. 202; p. 914.
- Packing-pads, Apparatus and method for making tubular. W. Dichmann. No. 1,097,792; May 26; Gaz. vol. 202; p. 1024.
- Packing, Pipe-joint. L. Schomburg. No. 1,102,961; July 7; Gaz. vol. 204; p. 256.
- Packing, Piston-. C. N. Sowden. No. 1,097,563; May 19; Gaz. vol. 202; p. 897.
- Packing, Piston-. W. J. Wright. No. 1,097,069; May 19; Gaz. vol. 202; p. 728.
- Packing, Piston-rod. H. W. Ramberg. No. 1,089,789; Mar. 10; Gaz. vol. 200; p. 429.
- Packing, Preparing disintegrated materials for. W. A. Lorenz and J. Merritt. No. 1,099,557; June 9; Gaz. vol. 203; p. 451.
- Packing-receptacle. H. Kuechenmeister and A. A. Seidel. No. 1,089,774; Mar. 10; Gaz. vol. 200; p. 425.
- Packing-receptacle. L. W. Newcomer. No. 1,099,194; June 9; Gaz. vol. 203; p. 325.
- Packing-ring. C. R. Bryant. No. 1,092,690; Apr. 7; Gaz. vol. 201; p. 194.
- Packing-ring. E. B. Campbell. No. 1,087,213; Feb. 17; Gaz. vol. 199; p. 664.
- Packing-ring. E. B. Campbell. No. 1,120,022; Dec. 8; Gaz. vol. 209; p. 422.
- Packing-ring. H. R. Geer. No. 1,088,143; Feb. 24; Gaz. vol. 199; p. 1035.
- Packing-ring. M. E. Knight. No. 1,086,299; Feb. 3; Gaz. vol. 199; p. 251.
- Packing-ring. J. F. Kytlica. No. 1,106,462; Aug. 11; Gaz. vol. 205; p. 348.
- Packing-ring. G. W. Owens. No. 1,106,054; Aug. 4; Gaz. vol. 205; p. 164.
- Packing-ring. R. Ragan. No. 1,106,678; Aug. 11; Gaz. vol. 205; p. 426.
- Packing-ring. W. V. Smith. No. 1,086,948; Feb. 10; Gaz. vol. 199; p. 522.

Alphabetical list of inventions—Continued.

- Packing-ring for piston-rods, Metallic. A. Munch. No. 1,095,163; Apr. 28; Gaz. vol. 201; p. 1174.
- Packing-ring implement. W. L. Gleason and E. F. Roberts. No. 1,099,355; June 9; Gaz. vol. 203; p. 383.
- Packing-ring, Piston. J. A. Berger. No. 1,106,539; Aug. 11; Gaz. vol. 205; p. 377.
- Packing-ring, Piston. R. L. Burd. No. 1,092,201; Apr. 7; Gaz. vol. 201; p. 27.
- Packing-ring, Piston. G. H. Estabrooks. No. 1,103,573; July 14; Gaz. vol. 204; p. 516.
- Packing-ring, Piston. A. Girtanner. No. 1,111,063; Sept. 22; Gaz. vol. 206; p. 904.
- Packing-ring, Piston. F. Van Der Cruyssen. No. 1,089,026; Mar. 3; Gaz. vol. 200; p. 121.
- Packing-rings, Apparatus for making piston. C. White. No. 1,107,005; Aug. 11; Gaz. vol. 205; p. 538.
- Packing-rings, Machine for hammering metal. A. W. Wenzel. No. 1,113,526; Oct. 13; Gaz. vol. 207; p. 433.
- Packing-rings, Making metal. M. L. Wilcox. No. 1,116,776; Nov. 10; Gaz. vol. 208; p. 495.
- Packing, Sectional ring for rod. C. W. G. King. No. 1,084,281; Jan. 13; Gaz. vol. 198; p. 369.
- Packing, Shaft. O. Dahlke. No. 1,085,326; Jan. 27; Gaz. vol. 198; p. 788.
- Packing, Shaft. P. Wagner. No. 1,104,588; July 21; Gaz. vol. 204; p. 910.
- Packing, Steam. G. S. R. Dickson. No. 1,103,744; July 14; Gaz. vol. 204; p. 577.
- Packing, Valve. S. S. Caskey. No. 1,105,254; July 28; Gaz. vol. 204; p. 1188.
- Packing, Valve. S. M. Purington. No. 1,083,857; Jan. 6; Gaz. vol. 198; p. 195.
- Packings, Manufacture of piston. F. W. Lanchester. No. 1,118,784; Nov. 24; Gaz. vol. 208; p. 1276.
- Pad: See Address-pad; Arch-supporting pad; Back-pad; Coaptating-pad; Collar-pad; Corset-pad; Harness-pad; Hoof-pad; Horse-pad; Horseshoe-pad; Ink-pad; Inking-pad; Knee-pad; Neck-pad; Truss-pad; Warming-pad.
- Pad. C. M. Hatcher. No. 1,110,056; Sept. 8; Gaz. vol. 206; p. 465.
- Pad-holder and paper-weight, Combined. J. J. Radley. No. 1,105,835; Aug. 4; Gaz. vol. 205; p. 87.
- Pad-holding cover, Folding. B. W. Lynch. No. 1,099,708; June 9; Gaz. vol. 203; p. 503.
- Pad-stuffing machine. A. E. McClain. No. 1,112,545; Oct. 6; Gaz. vol. 207; p. 47.
- Padding and filling composition, Elastic. A. Oetker. No. 1,087,815; Feb. 17; Gaz. vol. 199; p. 874.
- Padding, Making. D. F. Fowler. No. 1,108,354; Aug. 25; Gaz. vol. 205; p. 1108.
- Padlock. L. Alanchikoff. No. 1,123,061; Dec. 29; Gaz. vol. 209; p. 1607.
- Padlock. M. Margbanian. No. 1,086,833; Feb. 10; Gaz. vol. 199; p. 484.
- Padlock. T. O. Moe. No. 1,095,912; May 5; Gaz. vol. 202; p. 250.
- Padlock. J. J. Murphy. No. 1,100,391; June 16; Gaz. vol. 203; p. 776.
- Padlock. A. A. Page. No. 1,106,400; Aug. 11; Gaz. vol. 205; p. 325.
- Padlock. E. B. Stone. No. 1,104,327; July 21; Gaz. vol. 204; p. 817.
- Padlock. J. Sukup. No. 1,089,981; Mar. 10; Gaz. vol. 200; p. 496.
- Padlock. S. Wojciechowski. No. 1,116,526; Nov. 10; Gaz. vol. 208; p. 404.
- Padlock, Combination. J. E. Bradford. No. 1,096,593; May 12; Gaz. vol. 202; p. 518.
- Padlock for steam-shovels and the like. W. Lange. No. 1,089,063; Mar. 3; Gaz. vol. 200; p. 133.
- Padlock, Gear-controlled. H. M. Sprague. No. 1,095,431; May 5; Gaz. vol. 202; p. 88.
- Padlock, Permutation. J. Hendrickson. No. 1,101,075; June 23; Gaz. vol. 203; p. 1065.
- Padlock, Permutation. J. B. McChesney. No. 1,094,735; Apr. 28; Gaz. vol. 201; p. 1026.
- Padlock, Permutation. F. Radaszewski. No. 1,102,167; June 30; Gaz. vol. 203; p. 1495.
- Padlock, Switch. H. H. Ferris. No. 1,112,279; Sept. 29; Gaz. vol. 206; p. 1361.
- Pail. M. E. Davis. No. 1,092,767; Apr. 7; Gaz. vol. 201; p. 221.
- Pail. J. Jackson. No. 1,111,589; Sept. 22; Gaz. vol. 206; p. 1086.
- Pail and milking-stool, Combined milk-. J. La Mar and H. Haralson. No. 1,101,941; June 30; Gaz. vol. 203; p. 1415.
- Pail and stool, Combined milking. G. L. Rollins. No. 1,095,232; May 5; Gaz. vol. 202; p. 20.
- Pail cover and strainer. A. Miller. No. 1,117,418; Nov. 17; Gaz. vol. 208; p. 759.
- Pail-cover fastener. J. Ingalsbe. No. 1,103,208; July 14; Gaz. vol. 204; p. 392.
- Pail cover, Milk-. W. W. Lawrence. No. 1,121,261; Dec. 15; Gaz. vol. 209; p. 907.
- Pail, Dairy-. B. F. Foss. No. 1,097,415; May 19; Gaz. vol. 202; p. 848.
- Pail, Dinner-. C. F. Christopher. No. 1,093,110; Apr. 14; Gaz. vol. 201; p. 373.
- Pail, Dinner-. J. Shewan. No. 1,100,202; June 16; Gaz. vol. 203; p. 710.
- Pail, Milk-. J. H. King. No. 1,088,593; Feb. 24; Gaz. vol. 199; p. 1183.
- Pail, Milk-. A. Lorenz and D. W. Saxton. No. 1,102,156; June 30; Gaz. vol. 203; p. 1490.
- Pail, Milk-. I. W. Pullman. No. 1,103,431; July 14; Gaz. vol. 204; p. 465.
- Pail, Milk-. W. E. Sherlock. No. 1,103,090; July 14; Gaz. vol. 204; p. 348.
- Pail, Milking-. A. F. Demory. No. 1,107,413; Aug. 18; Gaz. vol. 205; p. 733.
- Pail, Paint-. W. Sharrock. No. 1,121,299; Dec. 15; Gaz. vol. 209; p. 919.
- Pail, Refrigerating-. W. L. Daly. No. 1,103,016; July 7; Gaz. vol. 204; p. 275.
- Pail, Self-heating dinner-. J. A. and L. Hildum. No. 1,090,056; Mar. 10; Gaz. vol. 200; p. 522.
- Pail-top. K. N. Cather. No. 1,110,892; Sept. 15; Gaz. vol. 206; p. 803.
- Pails, baths, and other liquid-containing vessels, Device for use with. J. Burgess. No. 1,085,319; Jan. 27; Gaz. vol. 198; p. 787.
- Paint. H. Howard. No. 1,084,884; Jan. 20; Gaz. vol. 198; p. 600.
- Paint. T. Mott. No. 1,089,662; Mar. 10; Gaz. vol. 200; p. 387.
- Paint. A. L. Smith. No. 1,119,890; Dec. 8; Gaz. vol. 209; p. 376.
- Paint and preparing same, Tree-. W. B. Otwell. No. 1,111,758; Sept. 29; Gaz. vol. 206; p. 1181.
- Paint and varnish, Antifouling. L. Collardon. No. 1,105,619; Aug. 4; Gaz. vol. 205; p. 10.
- Paint and varnish remover. C. Ellis. No. 1,095,270; May 5; Gaz. vol. 202; p. 33.
- Paint composition. F. Sternberg. No. 1,110,358; Sept. 15; Gaz. vol. 206; p. 614.
- Paint compound. J. F. Coe. No. 1,109,623; Sept. 1; Gaz. vol. 206; p. 270.
- Paint compound. J. W. Dunford. No. 1,091,309; Mar. 24; Gaz. vol. 200; p. 1025.
- Paint, distemper, paste, or the like, Portable mixer for. J. H. Ratcliffe. No. 1,120,162; Dec. 8; Gaz. vol. 209; p. 471.
- Paint, Fire-resisting. F. W. Brooks. No. 1,083,916; Jan. 13; Gaz. vol. 198; p. 245.
- Paint, Fireproof. H. C. Engelson and R. Archment. No. 1,087,111; Feb. 17; Gaz. vol. 199; p. 628.
- Paint, Fireproof and wood-preserving. J. W. Grimes. No. 1,113,782; Oct. 13; Gaz. vol. 207; p. 521.
- Paint for protecting iron, wood, and the like from sea growths, Manufacture of. M. Rappard. No. 1,108,395; Aug. 25; Gaz. vol. 205; p. 1124.
- Paint-mill. L. S. Flatau. No. 1,116,257; Nov. 3; Gaz. vol. 208; p. 269.
- Paint-mixer. J. F. Tomlinson. No. 1,095,749; May 5; Gaz. vol. 202; p. 197.
- Paint mixture. Z. Besette. No. 1,116,977; Nov. 10; Gaz. vol. 208; p. 566.
- Paint or varnish remover. C. Ellis. No. 1,113,971; Oct. 20; Gaz. vol. 207; p. 626.
- Paint or varnish remover. C. Ellis. No. 1,113,972; Oct. 20; Gaz. vol. 207; p. 626.
- Paint or varnish remover. C. Ellis. No. 1,118,482; Nov. 24; Gaz. vol. 208; p. 1174.
- Paint or varnish remover and the preparation thereof. C. Ellis. No. 1,113,970; Oct. 20; Gaz. vol. 207; p. 626.
- Paint-package. J. W. Hasburg. No. 1,121,357; Dec. 15; Gaz. vol. 209; p. 939.
- Paint spreading or forming machine. J. W. Hasburg. No. 1,089,923; Mar. 10; Gaz. vol. 200; p. 477.
- Paints, enamels, &c., Making. A. S. Ramage. No. 1,084,361; Jan. 13; Gaz. vol. 198; p. 395.
- Painters and the like, Safety appliance for. H. Barman. No. 1,109,276; Sept. 1; Gaz. vol. 206; p. 149.
- Painter's tool. O. Schorn. No. 1,110,351; Sept. 15; Gaz. vol. 206; p. 611.
- Painting apparatus. C. C. Patnode and A. Burnell. No. 1,115,098; Oct. 27; Gaz. vol. 207; p. 1078.
- Pajamas. H. J. Page. No. 1,093,724; Apr. 21; Gaz. vol. 201; p. 623.
- Pajamas. B. Parker. No. 1,117,232; Nov. 17; Gaz. vol. 208; p. 694.
- Pamphlet-coverer. A. Bredenberg. No. 1,085,888; Feb. 3; Gaz. vol. 199; p. 109.
- Pamphlet-coverer. M. C. Ritchie. No. 1,088,932; Mar. 3; Gaz. vol. 200; p. 89.
- Pamphlet-coverer. G. Spiess. No. 1,116,946; Nov. 10; Gaz. vol. 208; p. 554.
- Pan: See Baking-pan; Bed-pan; Bed and douche pan; Bread-pan; Collapsible pan; Drip-pan; Dust-pan; Dust-collecting pan; Locomotive ash-pan; Locomotive dump ash-pan; Milk-pan; Pie-pan; Stove ash-pan; Thermal pan.
- Pan-cleaner, Portable sanitary. J. R. Thome. No. 1,091,094; Mar. 24; Gaz. vol. 200; p. 952.
- Pan-cover. E. A. Rhodes. No. 1,122,307; Dec. 29; Gaz. vol. 209; p. 1344.
- Pan-lifter. W. B. Dunson. No. 1,083,808; Jan. 6; Gaz. vol. 198; p. 181.

Alphabetical list of inventions—Continued.

- Pan screen, Dry-. D. Kerner and F. C. Ferrell. No. 1,112,806; Oct. 6; Gaz. vol. 207; p. 138.
- Panning and concentrating machine. C. A. Case. No. 1,090,448; Mar. 17; Gaz. vol. 200; p. 702.
- Panel. B. C. Rockwell. No. 1,085,358; Jan. 27; Gaz. vol. 198; p. 800.
- Panel-board. R. H. Olley. No. 1,084,560; Jan. 13; Gaz. vol. 198; p. 461.
- Panel-operating device. P. Welin. No. 1,085,650; Feb. 3; Gaz. vol. 199; p. 25.
- Pantograph. W. C. Bucknam. No. 1,104,289; July 21; Gaz. vol. 204; p. 805.
- Pantographic milling mechanism. F. H. Richards. No. 1,117,245; Nov. 17; Gaz. vol. 208; p. 699.
- Pants-press. T. F. Leabey. No. 1,112,922; Oct. 6; Gaz. vol. 207; p. 178.
- Pants-presser. S. N. Davidson. No. 1,088,329; Feb. 24; Gaz. vol. 199; p. 1098.
- Paper and envelop tablet, Combination writing-. J. Anderson. No. 1,086,978; Feb. 10; Gaz. vol. 199; p. 532.
- Paper and making the same, Sensitive photographic. W. Willis. No. 1,120,580; Dec. 8; Gaz. vol. 209; p. 620.
- Paper and pulp screen. Z. Terrian and J. Lennon, Jr. No. 1,115,035; Oct. 27; Gaz. vol. 207; p. 1056.
- Paper and the like, Protective cover for rolls of. E. Jagenberg. No. 1,091,139; Mar. 24; Gaz. vol. 200; p. 969.
- Paper, Apparatus for tearing or cutting off pieces from rolled-up. F. Schade. No. 1,107,848; Aug. 18; Gaz. vol. 205; p. 885.
- Paper-associating machine. C. D. Curry. No. 1,117,000; Nov. 10; Gaz. vol. 208; p. 574.
- Paper-bag charging and closing machine. O. Hesser. No. 1,106,304; Aug. 4; Gaz. vol. 205; p. 247.
- Paper-bag holder. J. L. Armor and W. J. Varner. No. 1,094,511; Apr. 28; Gaz. vol. 201; p. 944.
- Paper-bag machine. A. C. Coty. No. 1,119,244; Dec. 1; Gaz. vol. 209; p. 119.
- Paper-bag machine. W. T. Dulin. No. 1,121,078; Dec. 15; Gaz. vol. 209; p. 842.
- Paper-bag machine. A. L. Parrish. No. 1,099,312; June 9; Gaz. vol. 203; p. 366.
- Paper bags, Device for flattening finished. E. Jagenberg. No. 1,102,754; July 7; Gaz. vol. 204; p. 187.
- Paper bags, Rack for holding. F. E. Davis. No. 1,119,810; Dec. 8; Gaz. vol. 209; p. 348.
- Paper barrel, Folding. C. A. Petterson. No. 1,096,453; May 12; Gaz. vol. 202; p. 472.
- Paper-board and making same, Double-faced corrugated. J. T. Ferres. No. 1,100,064; June 16; Gaz. vol. 203; p. 661.
- Paper-board box. G. L. Morrison. No. 1,090,559; Mar. 17; Gaz. vol. 200; p. 740.
- Paper-board box and stay therefor, Folding. E. M. Hawkins. No. 1,102,750; July 7; Gaz. vol. 204; p. 185.
- Paper-board, Joint for corrugated. E. M. Hawkins and F. G. Feeley. No. 1,101,927; June 30; Gaz. vol. 203; p. 1409.
- Paper-board, Joint for corrugated. E. M. Hawkins and F. G. Feeley. No. 1,101,928; June 30; Gaz. vol. 203; p. 1409.
- Paper-board, Machinery for operating upon. F. G. Feeley. No. 1,122,268; Dec. 29; Gaz. vol. 209; p. 1332.
- Paper bottle. A. J. Selz. No. 1,100,448; June 16; Gaz. vol. 203; p. 795.
- Paper bottle and the like. W. L. Wright. No. 1,107,870; Aug. 18; Gaz. vol. 205; p. 892.
- Paper bottles or containing vessels, Machine for manufacturing. E. T. Greenfield. No. 1,115,665; Nov. 3; Gaz. vol. 208; p. 68.
- Paper box. C. T. Bloomer. No. 1,115,163; Oct. 27; Gaz. vol. 207; p. 1101.
- Paper box. A. E. Ciarlante. No. 1,122,366; Dec. 29; Gaz. vol. 209; p. 1363.
- Paper box. W. H. Cooley. No. 1,086,894; Feb. 10; Gaz. vol. 199; p. 504.
- Paper box. C. A. Ford. No. 1,084,851; Jan. 20; Gaz. vol. 198; p. 590.
- Paper box. G. L. Morrison. No. 1,104,820; July 28; Gaz. vol. 204; p. 1038.
- Paper box. T. L. Neumann. No. 1,106,831; Aug. 11; Gaz. vol. 205; p. 479.
- Paper box. A. L. Smith and A. H. Dreux. No. 1,105,215; July 28; Gaz. vol. 204; p. 1174.
- Paper box. S. Stone. No. 1,104,392; July 21; Gaz. vol. 204; p. 840.
- Paper box and blank therefor. E. W. Labombarde. No. 1,093,705; Apr. 21; Gaz. vol. 201; p. 617.
- Paper-box blank. J. Dunn. No. 1,107,048; Aug. 11; Gaz. vol. 205; p. 552.
- Paper-box blanks, Machine for applying gum and tape to. H. A. Inman. No. 1,098,385; June 2; Gaz. vol. 203; p. 9.
- Paper-box edging-strip. H. B. Smith. No. 1,114,054; Oct. 20; Gaz. vol. 207; p. 655.
- Paper box, Folding. R. B. Du Val. (Reissue.) No. 1,345; Dec. 15; Gaz. vol. 209; p. 1023.
- Paper box, Folding. R. R. Richardson. No. 1,114,040; Oct. 20; Gaz. vol. 207; p. 649.
- Paper-box machine. J. A. Giles. No. 1,111,572; Sept. 22; Gaz. vol. 206; p. 1080.
- Paper-box machine. H. Inman. (Reissue.) No. 13,807; Oct. 13; Gaz. vol. 207; p. 577.
- Paper-box machine. E. Jagenberg. No. 1,120,719; Dec. 15; Gaz. vol. 209; p. 716.
- Paper-box machine. E. H. Taylor. No. 1,113,715; Oct. 13; Gaz. vol. 207; p. 497.
- Paper-box machine. E. H. Taylor. No. 1,116,759; Nov. 10; Gaz. vol. 208; p. 489.
- Paper-box-machine paster. E. H. Taylor. No. 1,119,275; Dec. 1; Gaz. vol. 209; p. 164.
- Paper-box-making machine. E. D. Anderson. No. 1,089,619; Mar. 10; Gaz. vol. 200; p. 371.
- Paper-box-making machine. O. W. Hanson. No. 1,085,732; Feb. 3; Gaz. vol. 199; p. 54.
- Paper-box-making machine. O. W. Hanson. No. 1,085,733; Feb. 3; Gaz. vol. 199; p. 55.
- Paper-box-making machine. F. N. and W. C. Weis. No. 1,095,537; May 5; Gaz. vol. 202; p. 126.
- Paper-box opener. F. Budlong. No. 1,121,469; Dec. 15; Gaz. vol. 209; p. 977.
- Paper bucket. J. Strange. No. 1,118,695; Nov. 24; Gaz. vol. 208; p. 1247.
- Paper-cup remover. J. Savoie. No. 1,105,210; July 28; Gaz. vol. 204; p. 1172.
- Paper, Carbon-. C. M. Glen. No. 1,085,331; Jan. 27; Gaz. vol. 198; p. 790.
- Paper-carriages, Back-spacing mechanism for. O. Thieme. No. 1,096,074; May 12; Gaz. vol. 202; p. 342.
- Paper-carton-making machine. G. W. Beadle. No. 1,112,351; Sept. 29; Gaz. vol. 206; p. 1385.
- Paper-case. M. W. Fassmann. No. 1,093,838; Apr. 21; Gaz. vol. 201; p. 660.
- Paper, ceilings, &c., Device for holding material for cleaning wall-. E. Sayre. No. 1,111,499; Sept. 22; Gaz. vol. 206; p. 1054.
- Paper cigar-case. R. Rey. No. 1,108,006; Aug. 18; Gaz. vol. 205; p. 939.
- Paper-cleaning device. I. F. Niles. No. 1,120,840; Dec. 15; Gaz. vol. 209; p. 758.
- Paper-clip. J. A. Wilson. No. 1,086,258; Feb. 3; Gaz. vol. 199; p. 239.
- Paper-communiting machine. F. Güetler. No. 1,090,914; Mar. 24; Gaz. vol. 200; p. 889.
- Paper composition, Fireproof-. W. J. Moeller. No. 1,119,103; Dec. 1; Gaz. vol. 209; p. 72.
- Paper, Composition for removing wall-. C. Ellis. No. 1,084,201; Jan. 13; Gaz. vol. 198; p. 344.
- Paper-condenser. W. L. Casper. No. 1,116,013; Nov. 3; Gaz. vol. 208; p. 187.
- Paper, Conditioning printed. P. Aitchison. No. 1,115,150; Oct. 27; Gaz. vol. 207; p. 1097.
- Paper container. W. L. Poffenbarger. No. 1,103,374; July 14; Gaz. vol. 204; p. 447.
- Paper core, Roll-. F. X. Jr., and F. X. Clark, Sr. No. 1,098,479; June 2; Gaz. vol. 203; p. 42.
- Paper, Corrugated. J. T. Ferres. No. 1,119,146; Dec. 1; Gaz. vol. 209; p. 86.
- Paper-corrugating machine. A. W. D. Weis. No. 1,115,265; Oct. 27; Gaz. vol. 207; p. 1137.
- Paper-creasing machine. A. C. Downing. No. 1,089,402; Mar. 10; Gaz. vol. 200; p. 294.
- Paper-cup dispenser. E. C. Baldwin. No. 1,110,034; Sept. 8; Gaz. vol. 206; p. 458.
- Paper-cup-forming apparatus. L. W. Farmer. No. 1,107,506; Aug. 18; Gaz. vol. 205; p. 764.
- Paper cups, Machine for sealing bottom pieces in. H. F. Provandie. No. 1,110,990; Sept. 15; Gaz. vol. 206; p. 835.
- Paper-cutter. C. E. Anable. No. 1,091,450; Mar. 24; Gaz. vol. 200; p. 1070.
- Paper-cutter. A. T. Harper. No. 1,116,886; Nov. 10; Gaz. vol. 208; p. 534.
- Paper-cutter. C. C. Hastings. No. 1,123,190; Dec. 29; Gaz. vol. 209; p. 1654.
- Paper-cutter. C. C. Hastings. No. 1,123,191; Dec. 29; Gaz. vol. 209; p. 1654.
- Paper-cutter. A. Krauth. No. 1,098,508; June 2; Gaz. vol. 203; p. 53.
- Paper-cutter. M. Nelson. No. 1,116,834; Nov. 10; Gaz. vol. 208; p. 516.
- Paper-cutter, Automatically-controlled. G. J. Neth. No. 1,094,374; Apr. 21; Gaz. vol. 201; p. 835.
- Paper-cutter, Electric. C. R. Mannering. No. 1,122,523; Dec. 29; Gaz. vol. 209; p. 1417.
- Paper cutting and folding machine. F. P. Hildebrandt. No. 1,112,288; Sept. 29; Gaz. vol. 206; p. 1364.
- Paper-cutting device, Wall-. W. Field. No. 1,108,161; Aug. 25; Gaz. vol. 205; p. 1041.
- Paper-cutting machine. A. and J. H. Collis. No. 1,118,843; Nov. 24; Gaz. vol. 208; p. 1295.
- Paper-cutting machine. N. Gray, Jr. No. 1,084,006; Jan. 13; Gaz. vol. 198; p. 276.
- Paper-cutting machine. C. Seybold. No. 1,100,000; June 16; Gaz. vol. 203; p. 639.
- Paper-cutting machine. F. W. Vickery. No. 1,109,489; Sept. 1; Gaz. vol. 206; p. 223.
- Paper-cutting machine, Sand-. W. H. Hanscom and J. S. Larrabee. No. 1,120,143; Dec. 8; Gaz. vol. 209; p. 463.
- Paper-damping means. S. R. Rice. No. 1,098,530; June 2; Gaz. vol. 203; p. 61.

Alphabetical list of inventions—Continued.

- Paper-delivering means, Gravity toilet. C. E. Anable. No. 1,083,477; Jan. 6; Gaz. vol. 198; p. 73.
- Paper, Die for embossing and cutting wall. H. Bosch. No. 1,088,319; Feb. 24; Gaz. vol. 199; p. 1094.
- Paper-dish-making machines, Blank placing and registering mechanism for. I. Bertin. No. 1,094,970; Apr. 28; Gaz. vol. 201; p. 1108.
- Paper-dish-making machines, Scrap removing or discharging mechanism for. I. Bertin. No. 1,094,971; Apr. 28; Gaz. vol. 201; p. 1108.
- Paper-distributing apparatus. C. D. Palmer. No. 1,119,531; Dec. 1; Gaz. vol. 209; p. 218.
- Paper drinking-cup. B. F. Brown. No. 1,110,286; Sept. 8; Gaz. vol. 206; p. 549.
- Paper, Drying. E. P. Butts. No. 1,094,195; Apr. 21; Gaz. vol. 201; p. 779.
- Paper, Drying and surface-finishing. C. E. Pope. No. 1,113,908; Oct. 13; Gaz. vol. 207; p. 565.
- Paper-drying machine. W. M. Barber. No. 1,090,964; Mar. 24; Gaz. vol. 200; p. 907.
- Paper-drying machine. G. D. Kilberry. No. 1,122,282; Dec. 29; Gaz. vol. 209; p. 1336.
- Paper-facing machine, Corrugated. R. H. Clarke. No. 1,095,140; Apr. 28; Gaz. vol. 201; p. 1164.
- Paper-fastener. W. M. Kelly. No. 1,097,332; May 19; Gaz. vol. 202; p. 820.
- Paper-fastener. W. F. Merrill. No. 1,112,637; Oct. 6; Gaz. vol. 207; p. 81.
- Paper-feed, Automatic. S. A. Neidich. No. 1,122,793; Dec. 29; Gaz. vol. 209; p. 1512.
- Paper-feed mechanism, Pneumatic. O. Kirsch. No. 1,105,352; July 28; Gaz. vol. 204; p. 1225.
- Paper-feeder. F. K. Arnold. No. 1,104,741; July 21; Gaz. vol. 204; p. 961.
- Paper feeding and severing mechanism. A. Krauth. No. 1,119,180; Dec. 1; Gaz. vol. 209; p. 98.
- Paper feeding and severing mechanism for manifolding machines. A. Krauth. No. 1,098,510; June 2; Gaz. vol. 203; p. 53.
- Paper feeding and severing mechanism for manifolding machines. A. Krauth. No. 1,098,512; June 2; Gaz. vol. 203; p. 54.
- Paper-feeding apparatus. M. B. Ferguson. No. 1,092,437; Apr. 7; Gaz. vol. 201; p. 109.
- Paper-feeding apparatus. E. Jagenberg. No. 1,096,539; May 12; Gaz. vol. 202; p. 501.
- Paper-feeding apparatus. E. Jagenberg. No. 1,107,795; Aug. 18; Gaz. vol. 205; p. 867.
- Paper-feeding apparatus, Propelling mechanism for. A. Krauth. No. 1,098,509; June 2; Gaz. vol. 203; p. 53.
- Paper-feeding device. C. A. Jacoby. No. 1,115,675; Nov. 3; Gaz. vol. 208; p. 72.
- Paper-feeding device. S. A. Neidich. No. 1,122,792; Dec. 29; Gaz. vol. 209; p. 1511.
- Paper-feeding device for automatic platen printing-presses and the like. A. Lagerman, Jr., and G. H. Lindström. No. 1,099,552; June 9; Gaz. vol. 203; p. 450.
- Paper-feeding machine. F. L. Cross. No. 1,109,902; Sept. 8; Gaz. vol. 206; p. 410.
- Paper-feeding machine. T. C. Dexter. No. 1,098,234; May 26; Gaz. vol. 202; p. 1178.
- Paper-feeding machine. V. Garner. No. 1,108,569; Aug. 25; Gaz. vol. 205; p. 1184.
- Paper-feeding machine. E. Jagenberg. No. 1,097,641; May 23; Gaz. vol. 202; p. 969.
- Paper-feeding machine. O. W. Johnson. No. 1,114,143; Oct. 20; Gaz. vol. 207; p. 686.
- Paper-feeding machine. G. A. Martin. No. 1,098,279; May 26; Gaz. vol. 202; p. 1194.
- Paper-feeding mechanism. W. H. Parham. No. 1,083,294; Jan. 6; Gaz. vol. 198; p. 12.
- Paper feeding, severing, and storage apparatus. A. Krauth. No. 1,098,511; June 2; Gaz. vol. 203; p. 54.
- Paper fixture, Toilet. G. T. Johnson. No. 1,095,640; May 5; Gaz. vol. 202; p. 160.
- Paper-folding machine. C. W. Causey. No. 1,094,304; Apr. 21; Gaz. vol. 201; p. 813.
- Paper-folding machine. F. P. Hildebrandt. No. 1,090,304; Mar. 17; Gaz. vol. 200; p. 650.
- Paper-folding machine. S. Lazar. No. 1,122,511; Dec. 29; Gaz. vol. 209; p. 1412.
- Paper-folding machine. A. D. Pejano and J. J. Zeitz. No. 1,099,884; June 9; Gaz. vol. 203; p. 562.
- Paper-folding-machine gage. C. A. Sigafos. No. 1,090,348; Mar. 17; Gaz. vol. 200; p. 664.
- Paper-folding machines, Jogger for. C. A. Sigafos. No. 1,120,983; Dec. 15; Gaz. vol. 209; p. 808.
- Paper for use in copying-machines, Roll. A. D. Klaber. No. 1,084,700; Jan. 20; Gaz. vol. 198; p. 539.
- Paper, &c., from rolls, Fixture for supplying. A. Bagnall. No. 1,105,951; Aug. 4; Gaz. vol. 205; p. 127.
- Paper-hanger's board. F. O. B. Fowler. No. 1,104,790; July 28; Gaz. vol. 204; p. 1027.
- Paper-hanger's pasting-machine. G. Jatko. No. 1,122,122; Dec. 22; Gaz. vol. 209; p. 1241.
- Paper-hanging machine, Wall. H. R. Brown. No. 1,121,466; Dec. 15; Gaz. vol. 209; p. 976.
- Paper-holder. H. J. Hick. No. 1,107,306; Aug. 18; Gaz. vol. 205; p. 692.
- Paper-holder. C. S. Parks. No. 1,118,222; Nov. 24; Gaz. vol. 208; p. 1080.
- Paper-holder. H. A. Rice and C. G. Patterson. No. 1,101,566; June 30; Gaz. vol. 203; p. 1284.
- Paper-holder. S. Wheeler. No. 1,098,864; June 2; Gaz. vol. 203; p. 172.
- Paper holder and cutter. M. Krue. No. 1,117,404; Nov. 17; Gaz. vol. 208; p. 755.
- Paper-holder and display device, Combination. T. J. Dalton. No. 1,117,983; Nov. 24; Gaz. vol. 208; p. 997.
- Paper holder, Fly. J. J. Buckley. No. 1,103,259; July 14; Gaz. vol. 204; p. 409.
- Paper holder, Toilet. S. M. Hauge. No. 1,113,007; Oct. 6; Gaz. vol. 207; p. 207.
- Paper holder, Toilet. H. D. Wood. No. 1,104,284; July 21; Gaz. vol. 204; p. 803.
- Paper holder, Toilet. H. D. Wood. No. 1,112,512; Oct. 6; Gaz. vol. 207; p. 35.
- Paper-lifting device. J. W. Reed. No. 1,094,593; Apr. 28; Gaz. vol. 201; p. 973.
- Paper, Machine for cutting sheets of cork. H. F. Busch. No. 1,122,070; Dec. 22; Gaz. vol. 209; p. 1225.
- Paper, Machine for facing corrugated. G. W. Swift, Jr. No. 1,086,097; Feb. 3; Gaz. vol. 199; p. 186.
- Paper, Machine for making corrugated. J. Tardieu. No. 1,113,260; Oct. 13; Gaz. vol. 207; p. 338.
- Paper machine, Toilet. G. and G. Cottini. No. 1,104,415; July 21; Gaz. vol. 204; p. 848.
- Paper-machines, Drier-rolls for. W. Sheahan. No. 1,104,759; July 21; Gaz. vol. 204; p. 968.
- Paper-machines, Suction apparatus for. A. E. Binns. No. 1,113,534; Oct. 13; Gaz. vol. 207; p. 437.
- Paper-machines, Watermarking apparatus for. J. Speed. No. 1,119,730; Dec. 1; Gaz. vol. 209; p. 284.
- Paper, Making. P. Weston. (Reissue.) No. 13,730; May 12; Gaz. vol. 202; p. 600.
- Paper-making and similar manufactures, Producing coloring-matter for. J. Hahn. No. 1,110,775; Sept. 15; Gaz. vol. 206; p. 760.
- Paper-making apparatus. C. H. Atkins. No. 1,120,433; Dec. 8; Gaz. vol. 209; p. 567.
- Paper-making apparatus. P. Couper. No. 1,085,547; Jan. 27; Gaz. vol. 198; p. 860.
- Paper-making apparatus. S. R. Wagg. No. 1,117,114; Nov. 10; Gaz. vol. 208; p. 611.
- Paper-making machine. C. V. Barrett. No. 1,098,704; June 2; Gaz. vol. 203; p. 119.
- Paper-making machine. F. H. Fuller. (Reissue.) No. 13,749; June 16; Gaz. vol. 203; p. 878.
- Paper-making machine. M. Lamort. No. 1,093,998; Apr. 21; Gaz. vol. 201; p. 713.
- Paper-making machine. D. L. Leslie and J. L. Harris. No. 1,104,518; July 21; Gaz. vol. 204; p. 886.
- Paper-making machine. C. A. Mellinger, H. R. Harrigan, B. D. Coppage, H. G. McDowell, J. W. Vedder, and C. J. Strobel. No. 1,118,366; Nov. 24; Gaz. vol. 208; p. 1131.
- Paper-making machine, Corrugated. J. T. Ferres. No. 1,100,065; June 16; Gaz. vol. 203; p. 661.
- Paper-making machine, Corrugated. J. T. Ferres. No. 1,106,502; Aug. 11; Gaz. vol. 205; p. 364.
- Paper-making machines, Dipper for driers in. J. W. Vedder. No. 1,084,677; Jan. 20; Gaz. vol. 198; p. 529.
- Paper-making machines, Rotary suction-roll or vacuum couch-roll for use in. R. Marx. No. 1,091,941; Mar. 31; Gaz. vol. 200; p. 1285.
- Paper-making machines, Wire-cloth for use on. C. A. Coups. No. 1,103,943; July 21; Gaz. vol. 204; p. 687.
- Paper-making method and apparatus. L. B. Buchanan. No. 1,101,725; June 30; Gaz. vol. 203; p. 1337.
- Paper-making process and machine. J. C. Fogarty. No. 1,119,816; Dec. 8; Gaz. vol. 209; p. 350.
- Paper manufacture, Knotter or strainer for. R. Wandel. No. 1,105,227; July 28; Gaz. vol. 204; p. 1179.
- Paper, Manufacturing bag or packing. G. Loebbecke. No. 1,107,807; Aug. 18; Gaz. vol. 205; p. 871.
- Paper-material receptacle and the like. W. L. Wright. No. 1,107,869; Aug. 18; Gaz. vol. 205; p. 892.
- Paper or like sheets together, Machine for fastening. G. P. Bump. No. 1,104,622; July 21; Gaz. vol. 204; p. 921.
- Paper or the like for wrapping or parceling sweetmeats or other suitable foodstuffs. J. Mackintosh. No. 1,113,904; Oct. 13; Gaz. vol. 207; p. 564.
- Paper-package. S. Wheeler. No. 1,088,389; Feb. 24; Gaz. vol. 199; p. 1118.
- Paper-package. S. Wheeler. No. 1,092,193; Apr. 7; Gaz. vol. 201; p. 24.
- Paper-package for toilet or towel purposes. E. A. Hamilton and F. W. Calvert. No. 1,121,011; Dec. 15; Gaz. vol. 209; p. 818.
- Paper package, Toilet. G. and G. Cottini. No. 1,104,414; July 21; Gaz. vol. 204; p. 847.
- Paper-pad holder. L. Smith. No. 1,109,708; Sept. 8; Gaz. vol. 206; p. 342.
- Paper pail. W. F. Feldmeyer. No. 1,103,186; July 14; Gaz. vol. 204; p. 384.
- Paper pail. L. Norman. No. 1,119,981; Dec. 8; Gaz. vol. 209; p. 408.
- Paper pails, Machine for bailing. H. A. Inman. No. 1,104,803; July 28; Gaz. vol. 204; p. 1032.

Alphabetical list of inventions—Continued.

- Paper-plaiting machine. P. F. Cohen. No. 1,107,265; Aug. 18; Gaz. vol. 205; p. 678.
- Paper-press. C. B. Heim. No. 1,113,625; Oct. 13; Gaz. vol. 207; p. 466.
- Paper-press. C. Schick. No. 1,112,723; Oct. 6; Gaz. vol. 207; p. 111.
- Paper protector, Carbon-. M. C. Stern. No. 1,110,357; Sept. 15; Gaz. vol. 206; p. 613.
- Paper-pulp, Disintegrating fibrous material used in the manufacture of. W. H. Stobie. No. 1,099,578; June 9; Gaz. vol. 203; p. 459.
- Paper-pulp machinery. J. D. Rice. No. 1,110,233; Sept. 8; Gaz. vol. 206; p. 529.
- Paper-pulp reducing and washing machine. G. C. Howard. No. 1,121,837; Dec. 22; Gaz. vol. 209; p. 1143.
- Paper-pulp, Rendering peat, wood-waste, and other vegetable substances suitable for the manufacture of. W. Hellwig. No. 1,121,099; Dec. 15; Gaz. vol. 209; p. 851.
- Paper-rack. B. T. Mills. No. 1,099,857; June 9; Gaz. vol. 203; p. 552.
- Paper receptacle. L. W. Farmer. No. 1,088,813; Mar. 3; Gaz. vol. 200; p. 47.
- Paper receptacle. S. M. Langston. No. 1,086,062; Feb. 3; Gaz. vol. 199; p. 174.
- Paper receptacle. G. D. Smith. No. 1,092,868; Apr. 14; Gaz. vol. 201; p. 291.
- Paper receptacle. H. S. Wilson. No. 1,100,809; June 23; Gaz. vol. 203; p. 971.
- Paper-receptacle-making machine. H. A. House. No. 1,113,217; Oct. 13; Gaz. vol. 207; p. 320.
- Paper receptacles, Machine for forming. H. F. Provandie. No. 1,107,225; Aug. 11; Gaz. vol. 205; p. 616.
- Paper receptacles, Machine for the manufacture of. D. J. Jennings. No. 1,107,956; Aug. 18; Gaz. vol. 205; p. 920.
- Paper receptacles, Neck formation for. W. L. Wright. No. 1,096,880; May 19; Gaz. vol. 202; p. 659.
- Paper receptacles, Tool for making. H. A. House. No. 1,122,393; Dec. 29; Gaz. vol. 209; p. 1372.
- Paper-reel, Collapsible. D. W. Hudson. No. 1,088,281; Feb. 24; Gaz. vol. 199; p. 1082.
- Paper, Roll-. G. T. Johnson. No. 1,093,334; Apr. 14; Gaz. vol. 201; p. 451.
- Paper-roll. S. Wheeler. No. 1,098,862; June 2; Gaz. vol. 203; p. 171.
- Paper-roll abutter. C. E. Weeks. No. 1,094,765; Apr. 28; Gaz. vol. 201; p. 1036.
- Paper roll and fixture, Toilet and towel. A. J. Lewthwaite and C. W. Morden. No. 1,085,387; Jan. 27; Gaz. vol. 198; p. 810.
- Paper-roll and holder. S. Wheeler. No. 1,098,861; June 2; Gaz. vol. 203; p. 171.
- Paper-roll core. R. H. Howarth. No. 1,118,860; Nov. 24; Gaz. vol. 208; p. 1301.
- Paper-roll-driving mechanism. G. W. Church. No. 1,093,913; Apr. 21; Gaz. vol. 201; p. 685.
- Paper-roll holder. O. G. Currie. No. 1,117,342; Nov. 17; Gaz. vol. 208; p. 734.
- Paper-roll holder. G. F. Kearney. No. 1,109,929; Sept. 8; Gaz. vol. 206; p. 421.
- Paper-roll holder. S. Wheeler. No. 1,098,863; June 2; Gaz. vol. 203; p. 171.
- Paper-roll holder, Toilet-. H. M. Sturgis. No. 1,096,071; May 12; Gaz. vol. 202; p. 341.
- Paper-roll-holding apparatus. J. Hundhausen. No. 1,110,136; Sept. 8; Gaz. vol. 206; p. 497.
- Paper-roll-holding means. M. L. Hirsch and G. W. Blackstock. No. 1,119,428; Dec. 1; Gaz. vol. 209; p. 182.
- Paper roll, Toilet-. F. R. Hoberg. No. 1,110,689; Sept. 15; Gaz. vol. 206; p. 731.
- Paper-rolls, Clutch for spools of. W. Sheahan. No. 1,123,146; Dec. 29; Gaz. vol. 209; p. 1637.
- Paper-rolls, Stripping-spear for. A. T. Wyant. No. 1,084,998; Jan. 20; Gaz. vol. 198; p. 638.
- Paper-selvage-trimming machine. Wall-. D. F. McHale. No. 1,118,945; Dec. 1; Gaz. vol. 209; p. 14.
- Paper-serving apparatus. H. Liebeck. No. 1,101,862; June 30; Gaz. vol. 203; p. 1386.
- Paper-serving apparatus, Roll-. G. T. Johnson. No. 1,097,327; May 19; Gaz. vol. 202; p. 818.
- Paper-serving machine. D. M. Bell and J. C. Fogarty. No. 1,116,787; Nov. 10; Gaz. vol. 208; p. 499.
- Paper-sheet-feeding machine. G. Spiess. No. 1,091,444; Mar. 24; Gaz. vol. 200; p. 1068.
- Paper-sheet-feeding mechanism. G. Spiess. No. 1,118,823; Nov. 24; Gaz. vol. 208; p. 1289.
- Paper sheets in one another, Inserting folded. T. H. Tapley. No. 1,116,513; Nov. 10; Gaz. vol. 208; p. 400.
- Paper sheets, Manufacture of flexible and waterproof material from. G. Magnasco. No. 1,101,029; June 23; Gaz. vol. 203; p. 1049.
- Paper spoon. L. W. Farmer. No. 1,114,873; Oct. 27; Gaz. vol. 207; p. 998.
- Paper suitable for security-checks, Manufacture of. R. C. Menzies and J. E. Aitken. No. 1,086,386; Feb. 10; Gaz. vol. 199; p. 326.
- Paper-stock, Method and apparatus for producing. W. E. Phelps. No. 1,123,000; Dec. 29; Gaz. vol. 209; p. 1585.
- Paper towel. A. D. Little. No. 1,122,959; Dec. 29; Gaz. vol. 209; p. 1570.
- Paper towel. A. H. Scott. No. 1,102,203; June 30; Gaz. vol. 203; p. 1508.
- Paper-towel container. G. A. Aicher and S. Lazar. No. 1,101,004; June 23; Gaz. vol. 203; p. 1040.
- Paper-towel container. G. A. Aicher and S. Lazar. No. 1,101,378; June 23; Gaz. vol. 203; p. 1167.
- Paper-towel container. G. A. Aicher and S. Lazar. No. 1,110,523; Sept. 15; Gaz. vol. 206; p. 672.
- Paper-towel holder. C. P. Winter and D. A. Rosenthal. No. 1,122,672; Dec. 29; Gaz. vol. 209; p. 1470.
- Paper-towel holder. C. P. Winter and D. A. Rosenthal. No. 1,122,673; Dec. 29; Gaz. vol. 209; p. 1471.
- Paper-towel holder. C. P. Winter and D. A. Rosenthal. No. 1,122,674; Dec. 29; Gaz. vol. 209; p. 1471.
- Paper, Treating. S. R. Wagg. No. 1,117,113; Nov. 10; Gaz. vol. 208; p. 611.
- Paper-trimming apparatus for paper-hangers' use. P. Scardino. No. 1,099,942; June 16; Gaz. vol. 203; p. 619.
- Paper-trimming machine. Wall-. J. Thomas. No. 1,098,770; June 2; Gaz. vol. 203; p. 140.
- Paper-tube-making machine. E. R. Monroe. No. 1,118,212; Nov. 24; Gaz. vol. 208; p. 1077.
- Paper-tube-rolling machine. W. Kellner. No. 1,106,714; Aug. 11; Gaz. vol. 205; p. 438.
- Paper-tube sections, Machine for making. F. K. Arnold. No. 1,104,742; July 21; Gaz. vol. 204; p. 962.
- Paper tubes, Machine for carrying, drying, and automatically arranging. J. Delgoffe. No. 1,109,517; Sept. 1; Gaz. vol. 206; p. 231.
- Paper vessel. S. W. Moore. No. 1,086,460; Feb. 10; Gaz. vol. 199; p. 353.
- Paper vessel, Folding. A. M. Klin. No. 1,121,259; Dec. 15; Gaz. vol. 209; p. 906.
- Paper vessel, Grease-proof. H. L. G. Moore. No. 1,091,526; Mar. 31; Gaz. vol. 200; p. 1141.
- Paper-walled container vessel or package. H. W. Jones. No. 1,092,148; Apr. 7; Gaz. vol. 201; p. 8.
- Paper, Washing and conveying mechanism for machines for washing and drying sensitized. R. B. Snow. No. 1,116,943; Nov. 10; Gaz. vol. 208; p. 553.
- Paper, Watermarking. W. J. F. Maidhof. No. 1,094,799; Apr. 28; Gaz. vol. 201; p. 1047.
- Paper, Watermarking. W. J. F. Maidhof. No. 1,094,800; Apr. 28; Gaz. vol. 201; p. 1047.
- Paper-web delivery. G. D. Kilberry. No. 1,122,281; Dec. 29; Gaz. vol. 209; p. 1336.
- Paper-weight and calendar-support, Combined. C. E. Preston. No. 1,107,349; Aug. 18; Gaz. vol. 205; p. 708.
- Paper-winding mechanism. S. M. Langston. No. 1,105,281; July 28; Gaz. vol. 204; p. 1197.
- Paper with carbon, Process and means for coating. T. T. Butler. No. 1,122,473; Dec. 29; Gaz. vol. 209; p. 1399.
- Paper with leaf metal, Coating webs of. E. Brandt. No. 1,096,822; May 19; Gaz. vol. 202; p. 639.
- Papers, Making metal-coated. F. Haigh. No. 1,101,178; June 23; Gaz. vol. 203; p. 1100.
- Papering machine. Wall-. J. I. Richardson. No. 1,084,964; Jan. 20; Gaz. vol. 198; p. 627.
- Parachute. S. Banic. No. 1,108,484; Aug. 25; Gaz. vol. 205; p. 1154.
- Parachute. P. Drocar. No. 1,121,616; Dec. 22; Gaz. vol. 209; p. 1064.
- Parachute. J. Krajny. No. 1,113,655; Oct. 13; Gaz. vol. 207; p. 475.
- Parachute. I. Kukosz. No. 1,114,993; Oct. 27; Gaz. vol. 207; p. 1041.
- Parachute. L. Luki. No. 1,104,995; July 28; Gaz. vol. 204; p. 1098.
- Parachute. J. Spychalski. No. 1,120,755; Dec. 15; Gaz. vol. 209; p. 729.
- Parachute apparatus. J. Mankowski. No. 1,115,705; Nov. 3; Gaz. vol. 208; p. 83.
- Parachute apparatus. D. W. Ogilvie. No. 1,110,711; Sept. 15; Gaz. vol. 206; p. 739.
- Parachute for aerostation and aviation. M. Chaumert. No. 1,093,311; Apr. 14; Gaz. vol. 201; p. 444.
- Parachute for helicopters. E. Berliner. No. 1,110,180; Sept. 8; Gaz. vol. 206; p. 511.
- Parachute-kite. W. A. Bochau. No. 1,086,888; Feb. 10; Gaz. vol. 199; p. 503.
- Parachute, Miniature. H. Manson-Olin. No. 1,108,596; Aug. 25; Gaz. vol. 205; p. 1193.
- Paraffin compositions, Expressing fluid from. J. Hansen. No. 1,084,738; Jan. 20; Gaz. vol. 198; p. 552.
- Parcel-carrier. G. Bullock. No. 1,120,020; Dec. 8; Gaz. vol. 209; p. 422.
- Parcel-closing-up machine. O. Hesser. No. 1,106,305; Aug. 4; Gaz. vol. 205; p. 247.
- Parcel-post computer. A. H. Pleasants. No. 1,086,213; Feb. 3; Gaz. vol. 199; p. 223.
- Parcel-rack. E. Posson. No. 1,105,830; Aug. 4; Gaz. vol. 205; p. 86.
- Parcel-routing apparatus. F. G. Whittier. No. 1,093,815; Apr. 21; Gaz. vol. 201; p. 652.
- Parer and corer, Apple. F. G. Mower. No. 1,113,571; Oct. 13; Gaz. vol. 207; p. 448.
- Parer, Potato-. T. Miller. No. 1,104,212; July 21; Gaz. vol. 204; p. 778.

Alphabetical list of inventions—Continued.

- Paring-knife. O. H. Butler. No. 1,110,884; Sept. 15; Gaz. vol. 206; p. 800.
- Paring machine, Vegetable-. H. Robinson. No. 1,087,554; Feb. 17; Gaz. vol. 199; p. 784.
- Paring machine, Vegetable-. H. Robinson. No. 1,114,290; Oct. 20; Gaz. vol. 207; p. 740.
- Paring machines, Feed mechanism for apple-. F. B. Pease. No. 1,085,628; Feb. 3; Gaz. vol. 199; p. 17.
- Paris-green or dry-powder machine. J. V. Blain and O. M. Morris. No. 1,122,847; Dec. 29; Gaz. vol. 209; p. 1532.
- Partition, Building-. J. D. Maitland. No. 1,096,635; May 12; Gaz. vol. 202; p. 533.
- Partition, Sheet-metal. C. W. Sanders. No. 1,111,617; Sept. 22; Gaz. vol. 206; p. 1095.
- Party-line exchange. N. E. Norstrom. No. 1,114,379; Oct. 20; Gaz. vol. 207; p. 771.
- Paste-cup and similar vessel. W. H. Redington. No. 1,110,646; Sept. 15; Gaz. vol. 206; p. 716.
- Paste-distributor. E. L. Pollard. No. 1,117,238; Nov. 17; Gaz. vol. 208; p. 697.
- Paste goods, Apparatus for drying. O. Müller. No. 1,089,944; Mar. 10; Gaz. vol. 200; p. 485.
- Paste-tube. R. Keller. No. 1,122,006; Dec. 22; Gaz. vol. 209; p. 1203.
- Pasting device, Wrapper-. J. J. Sleeper. No. 1,084,825; Jan. 20; Gaz. vol. 198; p. 581.
- Pasting pasteboard packages, Machine for. J. N. Hahn. No. 1,111,379; Sept. 22; Gaz. vol. 206; p. 1012.
- Pasteboard-box-necking machine. H. B. Traver. No. 1,096,075; May 12; Gaz. vol. 202; p. 342.
- Pasteboard shipping and dispensing box. R. R. Richardson. No. 1,114,042; Oct. 20; Gaz. vol. 207; p. 650.
- Pasteurizing apparatus. J. H. Beckman. No. 1,098,551; June 2; Gaz. vol. 203; p. 69.
- Pasteurizing apparatus. R. M. Cauffman. No. 1,115,173; Oct. 27; Gaz. vol. 207; p. 1105.
- Pasteurizing apparatus. W. J. Davis. No. 1,107,765; Aug. 18; Gaz. vol. 205; p. 857.
- Pasteurizing apparatus. H. Feldmeier and C. B. Dalzell. No. 1,109,975; Sept. 8; Gaz. vol. 206; p. 437.
- Pasteurizing apparatus. F. Gettelman. No. 1,085,901; Feb. 3; Gaz. vol. 199; p. 114.
- Pasteurizing apparatus. G. M. S. Tait. No. 1,104,716; July 21; Gaz. vol. 204; p. 953.
- Pasteurizing apparatus for liquids in bottles. O. B. Schier. No. 1,115,248; Oct. 27; Gaz. vol. 207; p. 1131.
- Pasteurizing-machine. C. E. Felt. No. 1,102,486; July 7; Gaz. vol. 204; p. 92.
- Pasteurizing-machine. G. A. Fischer. No. 1,093,924; Apr. 21; Gaz. vol. 201; p. 688.
- Pasteurizing-machine. N. F. Nissen. No. 1,088,921; Mar. 3; Gaz. vol. 200; p. 84.
- Pastry cones, Machine for making. P. C. Flagstad. O. Hansen, and O. Flagstad. No. 1,086,448; Feb. 10; Gaz. vol. 199; p. 348.
- Pasty and semisolid substances, Receptacle for containing and discharging. J. F. Craven. No. 1,087,572; Feb. 17; Gaz. vol. 199; p. 790.
- Patch, Blow-out. J. H. Marvil of V. and I. H. Downs. No. 1,102,938; July 7; Gaz. vol. 204; p. 248.
- Patch, Mending-. E. A. and A. T. Strout. No. 1,121,881; Dec. 22; Gaz. vol. 209; p. 1159.
- Pattern: See Adjustable pattern.
- Pattern device. W. Smith. No. 1,115,030; Oct. 27; Gaz. vol. 207; p. 1054.
- Pattern-drawing apparatus. H. P. Macdonald. No. 1,088,083; Feb. 24; Gaz. vol. 199; p. 1014.
- Pattern-drawing apparatus. H. P. Macdonald. No. 1,088,084; Feb. 24; Gaz. vol. 199; p. 1015.
- Pattern-hanger and ticket-holder, Combination. J. W. Kuhrt. No. 1,083,368; Jan. 6; Gaz. vol. 198; p. 36.
- Pattern, Laying out a skirt-. H. J. Kramer. No. 1,098,737; June 2; Gaz. vol. 203; p. 130.
- Patterns, Charting dress-. H. J. Kramer. No. 1,098,736; June 2; Gaz. vol. 203; p. 129.
- Patterns, Means for movably supporting. F. J. Becker. No. 1,113,739; Oct. 13; Gaz. vol. 207; p. 506.
- Pavement. V. L. Phillips. No. 1,110,295; Sept. 8; Gaz. vol. 206; p. 552.
- Pavement. L. P. Smith and J. H. Heaverside. No. 1,093,738; Apr. 21; Gaz. vol. 201; p. 626.
- Pavement and the like. W. E. Ficklen. No. 1,098,433; June 2; Gaz. vol. 203; p. 27.
- Pavement, Composite. E. C. Wallace. No. 1,115,259; Oct. 27; Gaz. vol. 207; p. 1135.
- Pavement-joint, Armored. R. D. Baker. No. 1,113,733; Oct. 13; Gaz. vol. 207; p. 504.
- Pavement, Street-. W. E. Ficklen. No. 1,098,792; June 2; Gaz. vol. 203; p. 147.
- Pavements and materials therefor, Manufacturing and laying bituminous sheet-. C. Richardson. No. 1,090,792; Mar. 17; Gaz. vol. 200; p. 815.
- Pavements, Making. J. Y. McClintock. (Reissue.) No. 13,785; Aug. 4; Gaz. vol. 205; p. 266.
- Paving apparatus. R. D. Baker. No. 1,089,182; Mar. 3; Gaz. vol. 200; p. 177.
- Paving-block. A. V. Sammis. No. 1,096,267; May 12; Gaz. vol. 202; p. 409.
- Paving-cutting machine. G. Perkins. No. 1,090,646; Mar. 17; Gaz. vol. 200; p. 769.
- Paving for earth-fill dams. W. L. Church. No. 1,099,487; June 9; Gaz. vol. 203; p. 427.
- Paving material. J. S. E. Pardee. No. 1,090,084; Mar. 10; Gaz. vol. 200; p. 531.
- Paving-material heating and mixing machine. T. L. Smith and E. W. Brackenbury. No. 1,116,941; Nov. 10; Gaz. vol. 208; p. 552.
- Paving materials, Manufacturing asphaltic. C. N. Forrest. No. 1,087,085; Feb. 10; Gaz. vol. 199; p. 567.
- Pawl-and-ratchet device. W. L. Baumann. No. 1,111,125; Sept. 22; Gaz. vol. 206; p. 926.
- Pawl and ratchet for dumping-boxes. H. F. Roth. No. 1,112,839; Oct. 6; Gaz. vol. 207; p. 150.
- Pawl-and-ratchet mechanism. E. C. Bowers. No. 1,111,128; Sept. 22; Gaz. vol. 206; p. 926.
- Pawl-and-ratchet mechanism. P. G. Ledeboer. No. 1,110,802; Sept. 15; Gaz. vol. 206; p. 770.
- Pawl-and-ratchet mechanism. F. A. Strong. No. 1,088,043; Feb. 24; Gaz. vol. 199; p. 1001.
- Pawl-and-ratchet mechanism. H. T. Verner and C. C. Ranson. No. 1,106,995; Aug. 11; Gaz. vol. 205; p. 535.
- Pea, bean, and cow-pea huller. R. P. Scott. No. 1,107,207; Aug. 11; Gaz. vol. 205; p. 610.
- Pea-cleaner. E. Reynolds. No. 1,091,534; Mar. 31; Gaz. vol. 200; p. 1144.
- Pea-huller. U. T. Hight. No. 1,107,424; Aug. 18; Gaz. vol. 205; p. 736.
- Pea-sheller. E. M. Stewart. No. 1,116,948; Nov. 10; Gaz. vol. 208; p. 555.
- Peach-stoning machine. G. W. Allen. No. 1,091,723; Mar. 31; Gaz. vol. 200; p. 1209.
- Peanut-digger's carrier and dump. W. C. Green and H. Hestand. No. 1,110,998; Sept. 15; Gaz. vol. 206; p. 837.
- Peanut-picker. T. M. Lilliston. (Reissue.) No. 13,717; Apr. 21; Gaz. vol. 201; p. 856.
- Peanut-shelling machine. J. T. Huston. No. 1,103,291; July 14; Gaz. vol. 204; p. 419.
- Peanut-shelling machine. W. E. James. No. 1,114,619; Oct. 20; Gaz. vol. 207; p. 854.
- Peanut-stemmer. J. H. Macleary and H. D. E. Little. No. 1,083,844; Jan. 6; Gaz. vol. 198; p. 191.
- Peanut-stemmer, Rotary. T. M. Lilliston. No. 1,103,505; July 14; Gaz. vol. 204; p. 424.
- Peat and the like, Treatment of. E. A. Buckle. No. 1,083,317; Jan. 6; Gaz. vol. 198; p. 20.
- Peat-blocks, Apparatus for picking up. T. A. Mighill. No. 1,102,781; July 7; Gaz. vol. 204; p. 195.
- Peat-dewatering process. T. Rigby. No. 1,121,204; Dec. 15; Gaz. vol. 209; p. 887.
- Peat-dewatering process. T. Rigby and G. W. Andrew. No. 1,121,203; Dec. 15; Gaz. vol. 209; p. 887.
- Peat for manurial and other purposes, Treatment of. W. B. Bottomley. No. 1,106,275; Aug. 4; Gaz. vol. 205; p. 238.
- Peat, Removal of water from wet carbonized. N. Testrup and O. Söderlund. No. 1,094,270; Apr. 21; Gaz. vol. 201; p. 803.
- Peat-working apparatus. O. J. Sigler and H. J. Jarvis. No. 1,116,140; Nov. 3; Gaz. vol. 208; p. 231.
- Pedal. J. Hattemer. No. 1,110,202; Sept. 8; Gaz. vol. 206; p. 518.
- Pedal. P. L. Trumbley. No. 1,091,405; Mar. 24; Gaz. vol. 200; p. 1055.
- Pedal attachment. A. H. Adams. No. 1,096,339; May 12; Gaz. vol. 202; p. 435.
- Pedal-chair. J. G. Linde. No. 1,099,455; June 9; Gaz. vol. 203; p. 416.
- Pedal, Foot-. J. J. Matson. No. 1,096,551; May 12; Gaz. vol. 202; p. 505.
- Pedal-lever spring. A. F. and C. H. Norris. No. 1,117,892; Nov. 17; Gaz. vol. 208; p. 925.
- Pedal-operator. J. C. Cake. No. 1,084,876; Jan. 20; Gaz. vol. 198; p. 598.
- Pedal-operator. J. C. Cake. No. 1,085,108; Jan. 27; Gaz. vol. 198; p. 712.
- Pedal trap-work. F. Engelskirchen. No. 1,089,119; Mar. 3; Gaz. vol. 200; p. 153.
- Pedestal, Store-. J. H. Morin. No. 1,100,321; June 16; Gaz. vol. 203; p. 751.
- Peeling machine, Vegetable and fruit. C. G. Chase and H. G. C. Buschmann. No. 1,122,859; Dec. 29; Gaz. vol. 209; p. 1536.
- Peeling peaches and other fruit, Machine for. S. J. Dunkley. No. 1,104,175; July 21; Gaz. vol. 204; p. 766.
- Peg for tennis-nets, &c. M. B. Reach. No. 1,120,406; Dec. 8; Gaz. vol. 209; p. 558.
- Peg, Tent-. W. G. Steadman, Jr. No. 1,109,478; Sept. 1; Gaz. vol. 206; p. 219.
- Pelt-stretcher. R. J. Pomplin. No. 1,099,394; June 9; Gaz. vol. 203; p. 396.
- Pen. W. J. Black. No. 1,096,990; May 19; Gaz. vol. 202; p. 699.
- Pen. F. C. Feneley. No. 1,094,138; Apr. 21; Gaz. vol. 201; p. 759.
- Pen and chicken-coop, Portable grazing-. B. Spanke. No. 1,109,477; Sept. 1; Gaz. vol. 206; p. 218.
- Pen and pencil holder. J. M. Legan. No. 1,100,583; June 16; Gaz. vol. 203; p. 839.
- Pen arm, Gage-. F. E. Amthor. No. 1,122,053; Dec. 22; Gaz. vol. 209; p. 1219.

Alphabetical list of inventions—Continued.

- Pen attachment, Fountain-. T. E. Nielsen. No. 1,112,409; Sept. 29; Gaz. vol. 206; p. 1407.
- Pen attachment, Fountain-. W. A. Sheaffer. No. 1,118,240; Nov. 24; Gaz. vol. 208; p. 1085.
- Pen-blank-forming machine. J. F. George. No. 1,086,156; Feb. 3; Gaz. vol. 199; p. 205.
- Pen-cap clip. A. Klein and J. W. Greenbaum. No. 1,116,078; Nov. 3; Gaz. vol. 208; p. 209.
- Pen cleaner and holder. W. T. Tyler. No. 1,089,992; Mar. 10; Gaz. vol. 200; p. 500.
- Pen-clip. W. A. Sheaffer. No. 1,085,174; Jan. 27; Gaz. vol. 198; p. 735.
- Pen clip, Fountain-. G. M. Kraker. No. 1,111,469; Sept. 22; Gaz. vol. 206; p. 1044.
- Pen clip, Fountain-. A. Scheible. No. 1,111,501; Sept. 22; Gaz. vol. 206; p. 1055.
- Pen, Drafting-. G. Bennett. No. 1,099,160; June 9; Gaz. vol. 203; p. 313.
- Pen, Drafting-. P. Berggren. No. 1,117,475; Nov. 17; Gaz. vol. 208; p. 780.
- Pen-ejecting holder. H. A. Kehl. No. 1,090,862; Mar. 24; Gaz. vol. 200; p. 871.
- Pen-extractor. L. J. Gunckle. No. 1,100,369; June 16; Gaz. vol. 203; p. 767.
- Pen-extractor. C. A. Olson. No. 1,093,721; Apr. 21; Gaz. vol. 201; p. 622.
- Pen feed, Fountain-. F. W. Bender. No. 1,098,469; June 2; Gaz. vol. 203; p. 39.
- Pen filler, Fountain-. W. Rodiger. No. 1,109,249; Sept. 1; Gaz. vol. 206; p. 140.
- Pen, Fountain-. F. M. Ashley. No. 1,092,199; Apr. 7; Gaz. vol. 201; p. 26.
- Pen, Fountain-. F. M. Ashley. No. 1,111,519; Sept. 22; Gaz. vol. 206; p. 1061.
- Pen, Fountain-. A. Badini. No. 1,107,641; Aug. 18; Gaz. vol. 205; p. 813.
- Pen, Fountain-. E. K. Bixby. No. 1,109,033; Sept. 1; Gaz. vol. 206; p. 64.
- Pen, Fountain-. W. L. Chapman. No. 1,103,349; July 14; Gaz. vol. 204; p. 440.
- Pen, Fountain-. D. C. Demarest. No. 1,112,362; Sept. 29; Gaz. vol. 206; p. 1389.
- Pen, Fountain-. T. K. Felch. No. 1,088,691; Mar. 3; Gaz. vol. 200; p. 7.
- Pen, Fountain-. H. E. Knies. No. 1,092,368; Apr. 7; Gaz. vol. 201; p. 84.
- Pen, Fountain-. E. G. McLeod. No. 1,098,712; Apr. 21; Gaz. vol. 201; p. 619.
- Pen, Fountain-. K. Räuchle. No. 1,100,778; June 23; Gaz. vol. 203; p. 960.
- Pen, Fountain-. C. J. Renz. No. 1,101,959; June 30; Gaz. vol. 203; p. 1422.
- Pen, Fountain-. W. A. Sheaffer. No. 1,114,052; Oct. 20; Gaz. vol. 207; p. 654.
- Pen, Fountain-. R. W. Springer. No. 1,104,566; July 21; Gaz. vol. 204; p. 903.
- Pen, Fountain-. R. W. Springer. No. 1,104,567; July 21; Gaz. vol. 204; p. 904.
- Pen, Fountain-. O. G. Wiseman and E. R. George. No. 1,117,469; Nov. 17; Gaz. vol. 208; p. 778.
- Pen, Fountain bow-. C. F. Roth. No. 1,094,253; Apr. 21; Gaz. vol. 201; p. 798.
- Pen, Fountain or reservoir. E. M. Wade. No. 1,122,557; Dec. 29; Gaz. vol. 209; p. 1429.
- Pen holder, Fountain-. G. C. Beidler. No. 1,107,644; Aug. 18; Gaz. vol. 205; p. 814.
- Pen, Intermittent fountain drawing-. O. N. Bergman and A. Gran. No. 1,087,425; Feb. 17; Gaz. vol. 199; p. 738.
- Pen, Marking-. J. J. Magnus. No. 1,118,031; Nov. 24; Gaz. vol. 208; p. 1014.
- Pen, Marking-. A. Young. No. 1,111,347; Sept. 22; Gaz. vol. 206; p. 1003.
- Pen or pencil clip. J. W. Greenbaum. No. 1,098,719; June 2; Gaz. vol. 203; p. 124.
- Pen or pencil holder. A. and L. Myers. No. 1,102,350; July 7; Gaz. vol. 204; p. 45.
- Pen point, Fountain-. J. J. Walkowc. No. 1,112,870; Oct. 6; Gaz. vol. 207; p. 161.
- Pen, Self-filling fountain-. J. Gilbert. No. 1,108,743; Aug. 25; Gaz. vol. 205; p. 1243.
- Pen, Writing-. H. S. Brewington. No. 1,089,041; Mar. 3; Gaz. vol. 200; p. 125.
- Pens and pencils, Retainer for fountain-. L. D. Van Valkenburg. No. 1,095,685; May 5; Gaz. vol. 202; p. 175.
- Pens, Fountain attachment for. F. J. Schisler. No. 1,097,051; May 19; Gaz. vol. 202; p. 720.
- Pens, Fulcrum-sleeve for fountain-. C. J. Paulson. No. 1,097,357; May 19; Gaz. vol. 202; p. 829.
- Penholder. H. G. Marburger. No. 1,092,066; Mar. 31; Gaz. vol. 200; p. 1325.
- Penholder. E. A. Williams. No. 1,106,173; Aug. 4; Gaz. vol. 205; p. 205.
- Penholder attachment. F. A. Herman. No. 1,093,133; Apr. 14; Gaz. vol. 201; p. 382.
- Penholder for multicolor-writing. L. B. Halverson. No. 1,111,149; Sept. 22; Gaz. vol. 206; p. 934.
- Penholder, Releasing-. F. T. Mottram. No. 1,097,254; May 19; Gaz. vol. 202; p. 792.
- Penholder, Reservoir-. G. F. Seitz. No. 1,092,753; Apr. 7; Gaz. vol. 201; p. 216.
- Penholder, Sanitary. R. Nay. No. 1,112,467; Oct. 6; Gaz. vol. 207; p. 18.
- Pencil. W. H. Krell. No. 1,097,238; May 19; Gaz. vol. 202; p. 787.
- Pencil. H. Reiche. No. 1,106,160; Aug. 4; Gaz. vol. 205; p. 201.
- Pencil and the like case. E. Faber. No. 1,097,585; May 19; Gaz. vol. 202; p. 905.
- Pencil attachment. A. H. Blood. No. 1,089,107; Mar. 3; Gaz. vol. 200; p. 149.
- Pencil attachment. C. Swindowsky. No. 1,093,497; Apr. 14; Gaz. vol. 201; p. 502.
- Pencil attachment. F. Unruh. No. 1,103,712; July 14; Gaz. vol. 204; p. 567.
- Pencil attachment, Lead-. R. Zohm. No. 1,085,779; Feb. 3; Gaz. vol. 199; p. 73.
- Pencil-box. D. Morgan. No. 1,109,590; Sept. 1; Gaz. vol. 206; p. 256.
- Pencil-clasp. J. Leitschuh. No. 1,085,386; Jan. 27; Gaz. vol. 198; p. 810.
- Pencil-clip. O. F. Ehrle. No. 1,094,888; Apr. 28; Gaz. vol. 201; p. 1077.
- Pencil-counting machine. E. Kolb. No. 1,099,705; June 9; Gaz. vol. 203; p. 503.
- Pencil-holder. R. H. Brown. No. 1,101,006; June 23; Gaz. vol. 203; p. 1041.
- Pencil-holder. T. Carence. No. 1,102,242; July 7; Gaz. vol. 204; p. 7.
- Pencil-holder. R. Jones. No. 1,083,835; Jan. 6; Gaz. vol. 198; p. 188.
- Pencil-holder. J. W. Kyle. No. 1,101,456; June 23; Gaz. vol. 203; p. 1194.
- Pencil-holder. D. L. Long. No. 1,089,845; Mar. 10; Gaz. vol. 200; p. 449.
- Pencil-holder. M. C. Mathis. No. 1,092,156; Apr. 7; Gaz. vol. 201; p. 11.
- Pencil-holder. O. Werner. No. 1,110,518; Sept. 15; Gaz. vol. 206; p. 670.
- Pencil holder and sharpener. R. Peden. No. 1,085,473; Jan. 27; Gaz. vol. 198; p. 837.
- Pencil holder and sharpener, Combined. R. R. Hazlett. No. 1,090,710; Mar. 17; Gaz. vol. 200; p. 789.
- Pencil, Ink-. J. Wallace. No. 1,085,714; Feb. 3; Gaz. vol. 199; p. 47.
- Pencil, Lead-. J. A. Hollenberger. No. 1,109,227; Sept. 1; Gaz. vol. 206; p. 132.
- Pencil-pointer. C. E. Lee. No. 1,108,590; Aug. 25; Gaz. vol. 205; p. 1192.
- Pencil-sharpener. H. L. Adams. No. 1,083,649; Jan. 6; Gaz. vol. 198; p. 129.
- Pencil-sharpener. J. L. Alkire. No. 1,120,788; Dec. 8; Gaz. vol. 209; p. 341.
- Pencil-sharpener. W. E. Clark. No. 1,091,039; Mar. 24; Gaz. vol. 200; p. 934.
- Pencil-sharpener. N. Fonsskov. No. 1,083,676; Jan. 6; Gaz. vol. 198; p. 138.
- Pencil-sharpener. F. E. Hinir. No. 1,088,021; Feb. 24; Gaz. vol. 199; p. 993.
- Pencil-sharpener. O. W. Niedomanski. No. 1,089,946; Mar. 10; Gaz. vol. 200; p. 485.
- Pencil-sharpener. E. A. Nugent. No. 1,122,149; Dec. 22; Gaz. vol. 209; p. 1250.
- Pencil-sharpener. J. R. Searight. No. 1,108,478; Aug. 25; Gaz. vol. 205; p. 1151.
- Pencil-sharpener. E. B. Van Norden, H. P. Hamburg, and S. S. Harper. No. 1,121,423; Dec. 15; Gaz. vol. 209; p. 961.
- Pencil-sharpener. J. E. Whitacre. No. 1,095,612; May 5; Gaz. vol. 202; p. 150.
- Pencil-sharpener. G. Wood. No. 1,087,416; Feb. 17; Gaz. vol. 199; p. 735.
- Pencil-sharpener, Pencil-holding means for. C. C. Spengler. No. 1,118,693; Nov. 24; Gaz. vol. 208; p. 1246.
- Pencil-sharpener machine. S. Forrester. No. 1,115,298; Oct. 27; Gaz. vol. 207; p. 1148.
- Pendant. H. D. Mix. No. 1,112,640; Oct. 6; Gaz. vol. 207; p. 82.
- Pendant-adjuster, Flexible. R. J. Norton. No. 1,108,468; Aug. 25; Gaz. vol. 205; p. 1147.
- Pendant, Chain-. W. J. Gagnon. No. 1,083,821; Jan. 6; Gaz. vol. 198; p. 185.
- Pendant, Ear-. H. F. Juergens. No. 1,106,388; Aug. 11; Gaz. vol. 205; p. 320.
- Pendulum, Device for maintaining the equilibrium of a. W. Luyken. No. 1,083,370; Jan. 6; Gaz. vol. 198; p. 37.
- Pendulum, Electrically-driven. G. Nobis. No. 1,094,238; Apr. 21; Gaz. vol. 201; p. 793.
- Perambulator. A. J. Adams. No. 1,111,515; Sept. 22; Gaz. vol. 206; p. 1059.
- Perambulator. W. Diemer. No. 1,119,140; Dec. 1; Gaz. vol. 209; p. 84.
- Perambulator. W. C. Gilded. No. 1,119,009; Dec. 1; Gaz. vol. 209; p. 38.
- Perambulator. W. O. Jürgens. No. 1,102,153; June 30; Gaz. vol. 203; p. 1490.
- Perambulator. A. E. McGill. No. 1,094,453; Apr. 28; Gaz. vol. 201; p. 924.
- Perambulator attachment. R. L. Clark. No. 1,095,381; May 5; Gaz. vol. 202; p. 71.
- Perambulator, Collapsible. M. Braham. No. 1,111,786; Sept. 29; Gaz. vol. 206; p. 1191.

Alphabetical list of inventions—Continued.

- Perambulator, Folding. A. E. McGill. No. 1,094,457; Apr. 28; Gaz. vol. 201; p. 926.
- Perambulator, go-cart, &c. A. J. Adams. No. 1,111,516; Sept. 22; Gaz. vol. 206; p. 1080.
- Perambulator or baby-cab. B. H. May. No. 1,113,672; Oct. 13; Gaz. vol. 207; p. 481.
- Perambulator or baby-carriage, Folding. A. E. McGill. No. 1,094,456; Apr. 28; Gaz. vol. 201; p. 925.
- Perambulator or go-cart. A. J. Adams. No. 1,102,182; June 30; Gaz. vol. 203; p. 1500.
- Perambulator or go-cart. A. J. Adams. No. 1,111,517; Sept. 22; Gaz. vol. 206; p. 1060.
- Perambulator or go-cart, Folding. A. E. McGill. No. 1,094,454; Apr. 28; Gaz. vol. 201; p. 924.
- Perambulator or go-cart, Folding. A. E. McGill. No. 1,094,459; Apr. 28; Gaz. vol. 201; p. 927.
- Perambulator or go-cart, Folding. A. E. McGill. No. 1,111,663; Sept. 22; Gaz. vol. 206; p. 1111.
- Perborates, Dehydrating. O. Liebknecht. No. 1,098,740; June 2; Gaz. vol. 203; p. 131.
- Perch, Poultry-. B. R. Bonney. No. 1,087,079; Feb. 10; Gaz. vol. 199; p. 565.
- Percolating device. J. W. Chapman. No. 1,085,378; Jan. 27; Gaz. vol. 198; p. 807.
- Percolator. P. Pons and C. Archambault. No. 1,115,451; Oct. 27; Gaz. vol. 207; p. 1199.
- Percolator. G. E. Curtiss. No. 1,108,712; Aug. 25; Gaz. vol. 205; p. 1232.
- Percolator. H. A. Heyne. No. 1,106,045; Aug. 4; Gaz. vol. 205; p. 161.
- Percolator, Liquid-. E. O. Higdon. No. 1,098,799; June 2; Gaz. vol. 203; p. 150.
- Percolator. A. J. Morlock. No. 1,092,121; Mar. 31; Gaz. vol. 200; p. 1345.
- Percolator. F. Ricciardelli. No. 1,121,399; Dec. 15; Gaz. vol. 209; p. 953.
- Percolator. L. Wojdkow. No. 1,095,973; May 5; Gaz. vol. 202; p. 271.
- Percolator, Coffee-. J. A. Watson. No. 1,108,288; Aug. 25; Gaz. vol. 205; p. 1086.
- Percolator construction. L. H. Wilkinson. No. 1,116,962; Nov. 10; Gaz. vol. 208; p. 560.
- Percussive drill. C. C. Hansen. No. 1,093,266; Apr. 14; Gaz. vol. 201; p. 427.
- Percussive drill. J. G. Leyner. No. 1,106,332; Aug. 4; Gaz. vol. 205; p. 257.
- Percussive firing mechanism. A. T. Dawson and G. T. Buckham. No. 1,105,626; Aug. 4; Gaz. vol. 205; p. 13.
- Percussive tool, Fluid-operated. L. C. Bayles. No. 1,096,886; May 19; Gaz. vol. 202; p. 662.
- Perforated strips, Production of. T. A. Edison. No. 1,083,353; Jan. 6; Gaz. vol. 198; p. 31.
- Perforating and other machines, Keyboard mechanism for. J. S. Bancroft and M. C. Indahl. No. 1,094,629; Apr. 28; Gaz. vol. 201; p. 986.
- Perforating and tubulating machine. E. F. Dwyer. No. 1,101,168; June 23; Gaz. vol. 203; p. 1096.
- Perforating apparatus, Band-. H. Drewell. No. 1,106,638; Aug. 11; Gaz. vol. 205; p. 412.
- Perforating device. A. Kettlich. No. 1,083,541; Jan. 6; Gaz. vol. 198; p. 94.
- Perforating figured iron, Device for. H. Koepplinger. No. 1,105,800; Aug. 4; Gaz. vol. 205; p. 74.
- Perforating-machine. A. M. Alexander. No. 1,120,881; Dec. 15; Gaz. vol. 209; p. 774.
- Perforating-machine. E. H. Bickley. No. 1,109,565; Sept. 1; Gaz. vol. 206; p. 247.
- Perforating-machine. C. J. Duggan. No. 1,083,484; Jan. 6; Gaz. vol. 198; p. 75.
- Perforating-machine. T. A. McCall. No. 1,083,290; Jan. 6; Gaz. vol. 198; p. 11.
- Perforating-machine. P. J. Meahl. No. 1,100,192; June 16; Gaz. vol. 203; p. 706.
- Perforating-machine. J. Powers. No. 1,100,986; June 23; Gaz. vol. 203; p. 1034.
- Perforating-machine. J. H. Reinhardt. No. 1,092,596; Apr. 7; Gaz. vol. 201; p. 163.
- Perforating-machine. L. C. Schwensen. No. 1,119,460; Dec. 1; Gaz. vol. 209; p. 192.
- Perforating-machine. A. H. Smith. No. 1,120,753; Dec. 15; Gaz. vol. 209; p. 728.
- Perforating-machine feed mechanism. A. De Kleist and F. L. McCormick. No. 1,085,986; Feb. 3; Gaz. vol. 199; p. 146.
- Perforating machine, Jacquard-card-. K. Eggart. No. 1,104,641; July 21; Gaz. vol. 204; p. 927.
- Perforating-machine, Single hand. J. Powers. No. 1,086,853; Feb. 10; Gaz. vol. 199; p. 492.
- Perforating-machines, Apron-feed for. G. H. Davis. No. 1,094,537; Apr. 28; Gaz. vol. 201; p. 953.
- Perforating-machines, &c., Keyboard for. J. Powers. No. 1,086,397; Feb. 10; Gaz. vol. 199; p. 329.
- Perforating-machines, Paper-feed for. E. G. Clark. No. 1,108,838; Aug. 25; Gaz. vol. 205; p. 1103.
- Perforating record-cards, Apparatus for. H. Hallerith. No. 1,110,261; Sept. 8; Gaz. vol. 206; p. 539.
- Performing figures, Mechanism for the operation of. A. D. Phillips. No. 1,117,517; Nov. 17; Gaz. vol. 208; p. 794.
- Perimeter. W. Berg. No. 1,113,091; Oct. 6; Gaz. vol. 207; p. 234.
- Periscope. J. Hanson. No. 1,102,046; June 30; Gaz. vol. 203; p. 1453.
- Periscope. H. Jacob and J. Humbrecht. No. 1,098,905; June 2; Gaz. vol. 203; p. 187.
- Periscope for submarine and submersible craft. B. Rosenbaum. No. 1,110,827; Sept. 15; Gaz. vol. 206; p. 779.
- Permutation-lock. T. Carroll. No. 1,083,591; Jan. 6; Gaz. vol. 198; p. 109.
- Permutation-lock. T. Carroll. No. 1,092,474; Apr. 7; Gaz. vol. 201; p. 122.
- Permutation-lock. T. Carroll. No. 1,113,193; Oct. 13; Gaz. vol. 207; p. 313.
- Permutation-lock. P. Eagle. No. 1,085,894; Feb. 3; Gaz. vol. 199; p. 112.
- Permutation-lock. S. P. Hovey. No. 1,103,771; July 14; Gaz. vol. 204; p. 586.
- Permutation-lock. J. F. Kreyčik. No. 1,111,073; Sept. 22; Gaz. vol. 206; p. 908.
- Permutation-lock. M. Meepos. No. 1,117,417; Nov. 17; Gaz. vol. 208; p. 759.
- Permutation-lock. P. C. Minotti and C. A. McDonald. No. 1,086,068; Feb. 3; Gaz. vol. 199; p. 176.
- Permutation-lock. N. Ventrice. No. 1,098,068; May 26; Gaz. vol. 202; p. 1122.
- Permutation-lock. G. A. Wehner. No. 1,103,116; July 14; Gaz. vol. 204; p. 358.
- Peroxid and producing same, Organic. A. S. Ramage. No. 1,097,940; May 26; Gaz. vol. 202; p. 1077.
- Pessary. M. B. Arendell. No. 1,113,083; Oct. 6; Gaz. vol. 207; p. 231.
- Pessary. C. F. Kafka. No. 1,093,993; Apr. 21; Gaz. vol. 201; p. 711.
- Pessary, Flexible occlusive. A. Asch. No. 1,083,721; Jan. 6; Gaz. vol. 198; p. 154.
- Petroleum and its by-products, Refining. E. A. Starke. No. 1,109,187; Sept. 1; Gaz. vol. 206; p. 117.
- Petroleum emulsions, Treating. R. E. Laird and J. H. Raney. No. 1,116,299; Nov. 3; Gaz. vol. 208; p. 282.
- Petroleum hydrocarbons, Treatment of. R. F. Bacon and C. W. Clark. No. 1,101,482; June 23; Gaz. vol. 203; p. 1204.
- Petroleum-refining apparatus. M. H. Warren. No. 1,110,361; Sept. 15; Gaz. vol. 206; p. 615.
- Petroleum, Solidification of. C. Gérard. No. 1,085,119; Jan. 27; Gaz. vol. 198; p. 715.
- Pharmaceutical compound. J. Callsen. No. 1,094,119; Apr. 21; Gaz. vol. 201; p. 753.
- Pharmaceutical or medicinal compound and producing the same. P. Bergell. No. 1,094,296; Apr. 21; Gaz. vol. 201; p. 811.
- Phase-balancer. E. F. W. Alexanderson. No. 1,093,594; Apr. 21; Gaz. vol. 201; p. 575.
- Phase-transformation system. F. C. Green. No. 1,108,745; Aug. 25; Gaz. vol. 205; p. 1243.
- Phenolic condensation product and forming same. J. W. Aylsworth. No. 1,111,285; Sept. 22; Gaz. vol. 206; p. 981.
- Phenolic condensation products, Forming shaped. J. W. Aylsworth. No. 1,115,766; Nov. 3; Gaz. vol. 208; p. 101.
- Phonograph. P. Catucci. No. 1,085,849; Feb. 3; Gaz. vol. 199; p. 96.
- Phonograph. P. Catucci. No. 1,087,106; Feb. 17; Gaz. vol. 199; p. 627.
- Phonograph. A. F. Gall. No. 1,119,269; Dec. 1; Gaz. vol. 209; p. 126.
- Phonograph. C. L. Hibbard. No. 1,119,157; Dec. 1; Gaz. vol. 209; p. 90.
- Phonograph. N. H. Holland. No. 1,092,911; Apr. 14; Gaz. vol. 201; p. 305.
- Phonograph. N. H. Holland. No. 1,106,448; Aug. 11; Gaz. vol. 205; p. 342.
- Phonograph. W. H. Miller. No. 1,108,208; Aug. 25; Gaz. vol. 205; p. 1057.
- Phonograph. C. S. Osborne. No. 1,097,987; May 26; Gaz. vol. 202; p. 1094.
- Phonograph. A. N. Pierman. No. 1,097,989; May 26; Gaz. vol. 202; p. 1095.
- Phonograph. C. P. Trundy. No. 1,110,165; Sept. 8; Gaz. vol. 206; p. 506.
- Phonograph attachment. A. H. Leissing. No. 1,114,492; Oct. 20; Gaz. vol. 207; p. 814.
- Phonograph-brake. L. H. Otto. No. 1,106,237; Aug. 4; Gaz. vol. 205; p. 225.
- Phonograph hearing-tube. N. C. Durand. No. 1,096,024; May 12; Gaz. vol. 202; p. 325.
- Phonograph-horn. A. G. Soistmann. No. 1,100,849; June 23; Gaz. vol. 203; p. 985.
- Phonograph-record. T. A. Edison. No. 1,111,999; Sept. 29; Gaz. vol. 206; p. 1263.
- Phonograph-record. F. H. Gregory. No. 1,089,835; Mar. 10; Gaz. vol. 200; p. 446.
- Phonograph-records, Making. J. W. Aylsworth. No. 1,110,417; Sept. 15; Gaz. vol. 206; p. 635.
- Phonograph-records, Making duplicate. J. W. Aylsworth. No. 1,101,827; June 30; Gaz. vol. 203; p. 1374.
- Phonograph-records, Shipping-carrier for. M. Fuller. No. 1,121,239; Dec. 15; Gaz. vol. 209; p. 898.
- Phonograph-reproducer. T. A. Edison. No. 1,099,346; June 9; Gaz. vol. 203; p. 379.

Alphabetical list of inventions—Continued.

- Phonograph-reproducer. T. A. Edison. No. 1,099,347; June 9; Gaz. vol. 203; p. 380.
- Phonograph-reproducer. T. A. Edison. No. 1,099,348; June 9; Gaz. vol. 203; p. 380.
- Phonograph-reproducer. A. F. Gall. No. 1,097,972; May 26; Gaz. vol. 202; p. 1089.
- Phonograph-reproducer. S. D. Paddack. No. 1,102,290; July 7; Gaz. vol. 204; p. 24.
- Phonograph-reproducer. A. N. Pierman. No. 1,119,113; Dec. 1; Gaz. vol. 209; p. 75.
- Phonograph sound-box. P. Catucci. No. 1,085,848; Feb. 3; Gaz. vol. 199; p. 95.
- Phonograph-sound-box diaphragm. P. Weber. No. 1,098,340; May 26; Gaz. vol. 202; p. 1215.
- Phonograph sounding-board. D. M. Bliss. No. 1,104,340; July 21; Gaz. vol. 204; p. 822.
- Phonograph starting and stopping device. F. E. Hare. No. 1,084,428; Jan. 13; Gaz. vol. 198; p. 416.
- Phonograph stop and starter. A. S. Garman. No. 1,121,345; Dec. 15; Gaz. vol. 209; p. 935.
- Phonograph-stop, Automatic. J. Q. A. Rollins. No. 1,114,292; Oct. 20; Gaz. vol. 207; p. 741.
- Phonograph-stop device. D. M. Winans. No. 1,084,993; Jan. 20; Gaz. vol. 198; p. 636.
- Phonograph-stop mechanism. G. H. Taggart. (Reissue.) No. 13,809; Oct. 13; Gaz. vol. 207; p. 580.
- Phonograph-styli, Forming. T. A. Edison. No. 1,110,428; Sept. 15; Gaz. vol. 206; p. 639.
- Phonographs, Automatic stop mechanism for. A. Nielsen. No. 1,096,794; May 12; Gaz. vol. 202; p. 586.
- Phonographic doll. W. Rotter and R. S. Arthur. No. 1,097,771; May 26; Gaz. vol. 202; p. 1016.
- Phonographic-record holder. F. Evans and M. Campbell. No. 1,101,623; June 30; Gaz. vol. 203; p. 1304.
- Phonographic sound-box. J. H. Van Mater. No. 1,111,779; Sept. 29; Gaz. vol. 206; p. 1189.
- Phonography and its application, Indicating device for. M. de Pezzer. No. 1,101,326; June 23; Gaz. vol. 203; p. 1151.
- Phosphate, Making calcium acid. E. W. Reed. No. 1,105,304; July 28; Gaz. vol. 204; p. 1206.
- Phosphates, Producing soluble. J. W. Beckman. No. 1,121,160; Dec. 15; Gaz. vol. 209; p. 873.
- Phosphates, Rendering soluble insoluble. W. S. Landis. No. 1,103,059; July 14; Gaz. vol. 204; p. 338.
- Phosphorus pentoxid, Hydrating. S. Peacock. No. 1,089,784; Mar. 10; Gaz. vol. 200; p. 428.
- Photo-engravers' plates, Device for whirling. G. W. Howard. No. 1,099,981; June 16; Gaz. vol. 203; p. 632.
- Photo-negative drier. J. C. Amundson. No. 1,111,938; Sept. 29; Gaz. vol. 206; p. 1244.
- Photograph-developing apparatus. R. Crompton. (Reissue.) No. 13,815; Oct. 27; Gaz. vol. 207; p. 1208.
- Photograph-developing case. H. Wyman. No. 1,101,229; June 23; Gaz. vol. 203; p. 1118.
- Photograph-film package. H. Wyman. No. 1,101,230; June 23; Gaz. vol. 203; p. 1118.
- Photograph-plates, Cabinet for. O. H. Schmidt. No. 1,119,544; Dec. 1; Gaz. vol. 209; p. 223.
- Photograph-printing device. F. H. Hammer. No. 1,106,143; Aug. 4; Gaz. vol. 205; p. 196.
- Photograph-printing machine. J. W. Berwick. No. 1,100,514; June 23; Gaz. vol. 203; p. 1216.
- Photograph-printing stand. H. H. Weidner. No. 1,093,509; Apr. 14; Gaz. vol. 201; p. 506.
- Photograph-washing machine. M. S. Pelton. No. 1,114,909; Oct. 27; Gaz. vol. 207; p. 1010.
- Photographs, Apparatus for making instantaneous X-ray. F. Dessauer. No. 1,096,692; May 12; Gaz. vol. 202; p. 552.
- Photographs, Making colored. R. Fischer. No. 1,102,028; June 30; Gaz. vol. 203; p. 1447.
- Photographs with Röntgen rays, Apparatus for taking. F. Dessauer. No. 1,096,691; May 12; Gaz. vol. 202; p. 551.
- Photographer's printing-frame holder. M. E. Wells. No. 1,115,634; Nov. 3; Gaz. vol. 208; p. 57.
- Photographers, Rotary negative-developing machine for. W. R. Laine. No. 1,113,564; Oct. 13; Gaz. vol. 207; p. 446.
- Photographic apparatus. E. Goldensky and P. H. Bartlett. No. 1,088,695; Mar. 3; Gaz. vol. 200; p. 9.
- Photographic apparatus. E. Goldensky and P. H. Bartlett. No. 1,120,710; Dec. 15; Gaz. vol. 209; p. 713.
- Photographic apparatus. F. D. Jones. No. 1,113,646; Oct. 13; Gaz. vol. 207; p. 472.
- Photographic apparatus. W. R. Schwab. No. 1,084,492; Jan. 13; Gaz. vol. 198; p. 436.
- Photographic apparatus, Automatic device for controlling the operation of. L. J. E. Colardeau and J. Richard. No. 1,104,412; July 21; Gaz. vol. 204; p. 847.
- Photographic apparatus for films. P. Dietz. No. 1,110,116; Sept. 8; Gaz. vol. 206; p. 489.
- Photographic copy-holder. E. B. Fish. No. 1,112,369; Sept. 29; Gaz. vol. 206; p. 1392.
- Photographic developing-tank. L. H. Jeffries. No. 1,108,581; Aug. 25; Gaz. vol. 205; p. 1188.
- Photographic-dry-plate-inspection table. A. L. Milentz. No. 1,094,672; Apr. 28; Gaz. vol. 201; p. 1003.
- Photographic film. V. Planchon. No. 1,116,479; Nov. 10; Gaz. vol. 208; p. 387.
- Photographic-film developing and drying device. C. H. Knoblauch. No. 1,088,906; Mar. 3; Gaz. vol. 200; p. 80.
- Photographic film for film-packs, changing-boxes, cameras, and the like. J. E. Thornton. No. 1,098,535; June 2; Gaz. vol. 203; p. 63.
- Photographic-film-making apparatus. J. E. Thornton and H. Kuhn. No. 1,116,762; Nov. 10; Gaz. vol. 208; p. 490.
- Photographic-film pack. C. L. Hopkins. No. 1,103,417; July 14; Gaz. vol. 204; p. 461.
- Photographic-film package. H. B. Tobias. No. 1,114,204; Oct. 20; Gaz. vol. 207; p. 710.
- Photographic-film package. H. Wyman. No. 1,101,231; June 23; Gaz. vol. 203; p. 1118.
- Photographic films or plates, Apparatus for marking. O. Chouinard. No. 1,084,592; Jan. 13; Gaz. vol. 198; p. 473.
- Photographic flash-light apparatus. W. B. Cline. No. 1,114,582; Oct. 20; Gaz. vol. 207; p. 843.
- Photographic mask. H. Heyn. No. 1,116,888; Nov. 10; Gaz. vol. 208; p. 535.
- Photographic method. W. C. Huebner. No. 1,093,134; Apr. 14; Gaz. vol. 201; p. 382.
- Photographic negatives, Machine for printing. F. L. Vermillion. No. 1,086,487; Feb. 10; Gaz. vol. 199; p. 362.
- Photographic negatives, Printing from. J. H. Snapp. No. 1,092,545; Apr. 7; Gaz. vol. 201; p. 145.
- Photographic objective. C. C. Minor. No. 1,098,823; June 2; Gaz. vol. 203; p. 157.
- Photographic paper, Machine for printing. C. De Lukasevics. No. 1,123,131; Dec. 29; Gaz. vol. 209; p. 1631.
- Photographic plate and holder. G. N. Pifer. No. 1,086,555; Feb. 10; Gaz. vol. 199; p. 386.
- Photographic-plate holder. F. E. Ives. No. 1,098,445; June 2; Gaz. vol. 203; p. 31.
- Photographic plates, Container for storing. E. Müller-Bralitz. No. 1,102,536; July 7; Gaz. vol. 204; p. 110.
- Photographic-print drier. J. F. Heyn. No. 1,119,351; Dec. 1; Gaz. vol. 209; p. 155.
- Photographic-print-treating apparatus. J. S. Greene. No. 1,102,737; July 7; Gaz. vol. 204; p. 180.
- Photographic-print washer. J. B. King. No. 1,086,060; Feb. 3; Gaz. vol. 199; p. 173.
- Photographic prints, Production of. W. Willis. No. 1,120,429; Dec. 8; Gaz. vol. 209; p. 566.
- Photographic printing. F. E. Ives. No. 1,121,187; Dec. 15; Gaz. vol. 209; p. 881.
- Photographic printing and retouching frame. W. A. Banfill. No. 1,096,345; May 12; Gaz. vol. 202; p. 437.
- Photographic-printing apparatus. H. C. Coffman and B. F. Van Horne. No. 1,114,116; Oct. 20; Gaz. vol. 207; p. 677.
- Photographic-printing apparatus. N. J. Goldfarb. No. 1,108,744; Aug. 25; Gaz. vol. 205; p. 1243.
- Photographic-printing apparatus. W. C. Huebner. No. 1,109,289; Sept. 1; Gaz. vol. 206; p. 153.
- Photographic-printing apparatus. E. A. Staffin. No. 1,084,046; Jan. 13; Gaz. vol. 198; p. 291.
- Photographic-printing apparatus. T. Zabrocki. No. 1,116,195; Nov. 3; Gaz. vol. 208; p. 249.
- Photographic-printing clip. G. S. Barberis. No. 1,122,357; Dec. 29; Gaz. vol. 209; p. 1360.
- Photographic-printing desk. C. Halpern. No. 1,112,210; Sept. 29; Gaz. vol. 206; p. 1337.
- Photographic-printing device. F. O. Dennis. No. 1,085,892; Feb. 3; Gaz. vol. 199; p. 111.
- Photographic-printing device. A. H. Wallace. No. 1,103,331; July 14; Gaz. vol. 204; p. 433.
- Photographic-printing frame. E. J. Brogan. No. 1,095,800; May 5; Gaz. vol. 202; p. 214.
- Photographic-printing frame. L. L. Campbell. No. 1,106,489; Aug. 11; Gaz. vol. 205; p. 359.
- Photographic-printing frame. J. H. Parfitt. No. 1,101,468; June 23; Gaz. vol. 203; p. 1198.
- Photographic-printing frame. H. G. Wolf. No. 1,090,090; Mar. 10; Gaz. vol. 200; p. 533.
- Photographic-printing machine. A. W. Dreyfoos. No. 1,099,694; June 9; Gaz. vol. 203; p. 499.
- Photographic-printing machine. C. L. Hanson. No. 1,090,915; Mar. 24; Gaz. vol. 200; p. 890.
- Photographic-printing machine. G. Vinnemeier. No. 1,091,099; Mar. 24; Gaz. vol. 200; p. 954.
- Photographic-printing machine. A. H. Wallace. No. 1,103,330; July 14; Gaz. vol. 204; p. 433.
- Photographic process of making prints in natural colors. R. Ruth. No. 1,093,948; Apr. 21; Gaz. vol. 201; p. 695.
- Photographic ray-filter. W. F. Folmer. No. 1,104,179; July 21; Gaz. vol. 204; p. 768.
- Photographic recording apparatus. C. Schou. No. 1,104,556; July 21; Gaz. vol. 204; p. 900.
- Photographic registration of vibrations in line form, Device for the. A. Pollak. No. 1,092,594; Apr. 7; Gaz. vol. 201; p. 162.
- Photographic reproduction for use in making bas-relief, Producing a. G. M. Carpentier. No. 1,087,725; Feb. 17; Gaz. vol. 199; p. 845.
- Photographic reproduction of books, writings, &c., Apparatus for the. H. Jantsch. No. 1,085,866; Feb. 3; Gaz. vol. 199; p. 102.

Alphabetical list of inventions—Continued.

- Photographic screen and making the same. A. Lehner. No. 1,112,540; Oct. 6; Gaz. vol. 207; p. 46.
- Photographic sensitive plate and the like. R. E. Crowther. No. 1,109,514; Sept. 1; Gaz. vol. 206; p. 230.
- Photographic shutter. L. J. E. Colardeau and J. Richard. No. 1,117,637; Nov. 17; Gaz. vol. 208; p. 836.
- Photographic shutter. J. Goddard. No. 1,090,046; Mar. 10; Gaz. vol. 200; p. 518.
- Photographic silver-prints into colored prints, Converting. A. Traube. No. 1,093,503; Apr. 14; Gaz. vol. 201; p. 504.
- Photographic time-records of meter-readings, Apparatus for producing. S. G. Rhodes. No. 1,090,413; Mar. 17; Gaz. vol. 200; p. 689.
- Photographing and developing apparatus. G. C. Beidler. No. 1,114,672; Oct. 20; Gaz. vol. 207; p. 873.
- Photographing apparatus, Automatic. A. Lattau. No. 1,092,273; Apr. 7; Gaz. vol. 201; p. 51.
- Photographing method and apparatus. H. H. Curtiss. No. 1,097,120; May 19; Gaz. vol. 202; p. 745.
- Photographing persons moving along a confined way, Apparatus for automatically. B. Cannon. No. 1,105,484; July 28; Gaz. vol. 204; p. 1271.
- Photography, Color. L. S. Glover. No. 1,088,412; Feb. 24; Gaz. vol. 199; p. 1125.
- Photography, Color. F. E. Ives. No. 1,106,816; Aug. 11; Gaz. vol. 205; p. 474.
- Photography, Color. F. E. Ives. No. 1,122,935; Dec. 29; Gaz. vol. 209; p. 1561.
- Photography, Color. M. J. Wohl and M. Mayer. No. 1,122,455; Dec. 29; Gaz. vol. 209; p. 1393.
- Photography for printing-surfaces, making transparencies, &c., Three-color. E. H. Gamble. No. 1,102,902; July 7; Gaz. vol. 204; p. 236.
- Photography, Producing polychromatic screens, plates, films, and paper for color. J. Szczepanik. No. 1,089,602; Mar. 10; Gaz. vol. 200; p. 366.
- Photography, Sensitizing dyestuffs employed in. J. H. Smith. No. 1,089,594; Mar. 10; Gaz. vol. 200; p. 364.
- Photography, Telegraphic. C. Stille. No. 1,116,949; Nov. 10; Gaz. vol. 208; p. 555.
- Photomechanical-printing surfaces, Production of. E. H. Gamble. No. 1,102,903; July 7; Gaz. vol. 204; p. 236.
- Photometer. H. E. Ives. No. 1,086,535; Feb. 10; Gaz. vol. 199; p. 378.
- Photometer, Watts-per-candle. H. E. Ives. No. 1,100,883; June 23; Gaz. vol. 203; p. 996.
- Photoprinting apparatus. H. E. Goldberg. No. 1,113,550; Oct. 13; Gaz. vol. 207; p. 441.
- Piano. R. W. Scott. No. 1,086,408; Feb. 10; Gaz. vol. 199; p. 334.
- Piano-action. G. Bjorkland. No. 1,094,421; Apr. 28; Gaz. vol. 201; p. 912.
- Piano-action. J. T. Blessing. No. 1,090,192; Mar. 17; Gaz. vol. 200; p. 611.
- Piano-action. T. P. Brown. No. 1,101,007; June 23; Gaz. vol. 203; p. 1041.
- Piano-action. J. W. Darley, Jr. No. 1,097,083; May 19; Gaz. vol. 202; p. 733.
- Piano-action. R. B. Fowler. No. 1,089,123; Mar. 3; Gaz. vol. 200; p. 155.
- Piano-action. S. B. Lyon. No. 1,121,517; Dec. 15; Gaz. vol. 209; p. 994.
- Piano-action. E. A. Mayor. No. 1,091,858; Mar. 31; Gaz. vol. 200; p. 1258.
- Piano-action. W. C. Vogel. No. 1,121,312; Dec. 15; Gaz. vol. 209; p. 923.
- Piano-action flange. G. J. Beier. No. 1,120,890; Dec. 15; Gaz. vol. 209; p. 776.
- Piano action, Grand. G. Bjorkland. No. 1,100,283; June 16; Gaz. vol. 203; p. 738.
- Piano action, Grand. E. S. Werolin. No. 1,097,696; May 26; Gaz. vol. 202; p. 989.
- Piano-action-muffling device. W. H. Seltzer. No. 1,104,280; July 21; Gaz. vol. 204; p. 801.
- Piano-action parts, Tool for boring. F. W. Hale. No. 1,103,507; July 14; Gaz. vol. 204; p. 491.
- Piano and phonograph, Combined player. E. S. Votey. No. 1,119,906; Dec. 8; Gaz. vol. 209; p. 381.
- Piano and phonograph, Combined player. S. S. Waters. No. 1,119,333; Dec. 1; Gaz. vol. 209; p. 149.
- Piano and player bench, Combined. W. G. Kilberg and A. J. Johnson. No. 1,104,675; July 21; Gaz. vol. 204; p. 939.
- Piano back frame. P. M. Zeidler. No. 1,095,691; May 5; Gaz. vol. 202; p. 177.
- Piano-bench. A. H. Lange. No. 1,095,332; May 5; Gaz. vol. 202; p. 54.
- Piano-bench, Convertible. E. B. Gregor. No. 1,119,275; Dec. 1; Gaz. vol. 209; p. 128.
- Piano-bridge. L. H. Breitenbach. No. 1,089,528; Mar. 10; Gaz. vol. 200; p. 342.
- Piano-case. S. W. Clark. No. 1,121,166; Dec. 15; Gaz. vol. 209; p. 875.
- Piano-case slide-door device. R. A. Gally. No. 1,103,193; July 14; Gaz. vol. 204; p. 387.
- Piano, Combination grand. P. Welln. No. 1,120,775; Dec. 15; Gaz. vol. 209; p. 736.
- Piano damp-absorber. J. W. Corliss and J. Wharmby. No. 1,093,979; Apr. 21; Gaz. vol. 201; p. 706.
- Piano fall-board. W. L. Bjur. No. 1,092,970; Apr. 14; Gaz. vol. 201; p. 325.
- Piano fall-board. G. Lambiase. No. 1,105,802; Aug. 4; Gaz. vol. 205; p. 75.
- Piano fall-board, Grand. C. Mehlin. No. 1,085,927; Feb. 3; Gaz. vol. 199; p. 123.
- Piano, Folding. T. Swoger. No. 1,119,054; Dec. 1; Gaz. vol. 209; p. 56.
- Piano, Grand player-. W. J. Keeley. No. 1,107,802; Aug. 18; Gaz. vol. 205; p. 869.
- Piano, Grand player-. S. J. Staples. No. 1,121,774; Dec. 22; Gaz. vol. 209; p. 1120.
- Piano-hammer. J. C. Miller. No. 1,104,691; July 21; Gaz. vol. 204; p. 943.
- Piano-key bushing. K. C. Rogers. No. 1,108,791; Aug. 25; Gaz. vol. 205; p. 1257.
- Piano-keyboard. C. Mahlke. No. 1,094,001; Apr. 21; Gaz. vol. 201; p. 714.
- Piano-keyboard, Auxiliary. M. Robinson. No. 1,092,291; Apr. 7; Gaz. vol. 201; p. 59.
- Piano, Knockdown. J. M. Hopphan. No. 1,084,088; Jan. 13; Gaz. vol. 198; p. 306.
- Piano-loading apparatus. J. D. Lindsley. No. 1,101,644; June 30; Gaz. vol. 203; p. 1312.
- Piano-lock. A. Wilberg. No. 1,088,500; Feb. 24; Gaz. vol. 199; p. 1154.
- Piano, Mechanical. U. Dryvers. No. 1,113,889; Oct. 13; Gaz. vol. 207; p. 559.
- Piano music-desk. A. A. Ponsiglione and A. D. Anderson. No. 1,090,343; Mar. 17; Gaz. vol. 200; p. 663.
- Piano note-sheet-spool motor, Player-. W. T. Waite. No. 1,117,727; Nov. 17; Gaz. vol. 208; p. 870.
- Piano or organ bench. W. C. F. Beale. No. 1,115,161; Oct. 27; Gaz. vol. 207; p. 1101.
- Piano-pedal. R. Hope-Jones. No. 1,089,056; Mar. 3; Gaz. vol. 200; p. 130.
- Piano pedal-action. A. A. Huseby. No. 1,085,915; Feb. 3; Gaz. vol. 199; p. 118.
- Piano pedal-action. T. H. Lunde and R. Moe. No. 1,090,487; Mar. 17; Gaz. vol. 200; p. 715.
- Piano-pedal, Mouseproof. R. Bollermann. No. 1,086,988; Feb. 10; Gaz. vol. 199; p. 535.
- Piano-pedal attachment. A. Klappenbach. No. 1,111,226; Sept. 22; Gaz. vol. 206; p. 961.
- Piano pedal mechanism, Player-. W. T. Waite. No. 1,114,074; Oct. 20; Gaz. vol. 207; p. 662.
- Piano-pedal support. R. A. Gally. No. 1,103,753; July 14; Gaz. vol. 204; p. 580.
- Piano-pedals, Mouse-guard attachment for. H. C. Collier. No. 1,086,648; Feb. 10; Gaz. vol. 199; p. 419.
- Piano-plate for upright pianos. C. Mehlin. No. 1,090,324; Mar. 17; Gaz. vol. 200; p. 656.
- Piano, Player-. J. H. Beck and G. Bedford. No. 1,083,268; Jan. 6; Gaz. vol. 198; p. 3.
- Piano, Player-. T. Swensen. No. 1,102,611; July 7; Gaz. vol. 204; p. 137.
- Piano-player. F. J. Hill. No. 1,110,564; Sept. 15; Gaz. vol. 206; p. 635.
- Piano-player. M. Newcomer. No. 1,087,176; Feb. 17; Gaz. vol. 199; p. 650.
- Piano-player. R. W. Scott. No. 1,084,171; Jan. 13; Gaz. vol. 198; p. 333.
- Piano-player. E. T. Turney. No. 1,098,136; May 26; Gaz. vol. 202; p. 1145.
- Piano-player. E. T. Turney. No. 1,102,613; July 7; Gaz. vol. 204; p. 138.
- Piano-player action. J. A. Obst. No. 1,092,163; Apr. 7; Gaz. vol. 201; p. 13.
- Piano-player action, Range-extending device for pneumatic. E. G. Clark. No. 1,104,164; July 21; Gaz. vol. 204; p. 762.
- Piano-player and like instrument, Mechanical. W. H. Grimsdale. No. 1,090,050; Mar. 10; Gaz. vol. 200; p. 520.
- Piano-player, Electrical. C. E. Brown. No. 1,122,468; Dec. 29; Gaz. vol. 209; p. 1397.
- Piano-player mechanism. W. T. Waite. No. 1,119,907; Dec. 8; Gaz. vol. 209; p. 381.
- Piano-player mechanism, Selective. F. R. Goolman. No. 1,090,706; Mar. 17; Gaz. vol. 200; p. 788.
- Piano-player, Pneumatic. F. W. Winter. No. 1,114,421; Oct. 20; Gaz. vol. 207; p. 787.
- Piano-players, Note-sheet guide for. W. T. Waite. No. 1,084,568; Jan. 13; Gaz. vol. 198; p. 463.
- Piano-players, Pedal mechanism for pneumatic. F. G. Lynde. No. 1,108,452; Aug. 25; Gaz. vol. 205; p. 1141.
- Piano-players, Selective sheet-winding mechanism for. R. I. Wilcox. No. 1,110,172; Sept. 8; Gaz. vol. 206; p. 509.
- Piano-playing air system. R. A. Gally. No. 1,102,216; June 30; Gaz. vol. 203; p. 1514.
- Piano-playing attachments, Automatic speed-controller and stop mechanism for. E. T. Turney. No. 1,091,719; Mar. 31; Gaz. vol. 200; p. 1207.
- Piano-playing-control system. R. A. Gally. No. 1,104,729; July 21; Gaz. vol. 204; p. 957.
- Piano-playing mechanism, Automatic. M. Clark. No. 1,086,276; Feb. 3; Gaz. vol. 199; p. 243.
- Piano-playing pneumatic action. R. A. Gally. No. 1,101,173; June 23; Gaz. vol. 203; p. 1098.

Alphabetical list of inventions—Continued.

- Piano, Pneumatic. C. A. Lambert. No. 1,106,822; Aug. 11; Gaz. vol. 205; p. 476.
- Piano pneumatic bellows, Player-. J. Knagge. No. 1,106,820; Aug. 11; Gaz. vol. 205; p. 475.
- Piano recording attachment. G. N. Goodrich. No. 1,087,115; Feb. 17; Gaz. vol. 199; p. 629.
- Piano-shelf support. S. W. Widney. No. 1,102,375; July 7; Gaz. vol. 204; p. 53.
- Piano sounding-board. H. J. Ellers. No. 1,083,441; Jan. 6; Gaz. vol. 198; p. 62.
- Piano sounding-board. J. Weiser. No. 1,090,261; Mar. 17; Gaz. vol. 200; p. 635.
- Piano-string plate, Adjustable. F. J. W. Weiser. No. 1,097,694; May 26; Gaz. vol. 202; p. 988.
- Piano-trap mechanism. S. W. Widney. No. 1,099,413; June 9; Gaz. vol. 203; p. 402.
- Piano tuning-pin. H. A. Hillcoat. No. 1,094,653; Apr. 28; Gaz. vol. 201; p. 996.
- Piano, Upright automatic player-. L. W. Southgate. No. 1,118,958; Dec. 1; Gaz. vol. 209; p. 18.
- Piano, Upright automatic player-. L. W. Southgate. No. 1,118,959; Dec. 1; Gaz. vol. 209; p. 18.
- Piano, Upright automatic player-. L. W. Southgate. No. 1,118,960; Dec. 1; Gaz. vol. 209; p. 19.
- Piano, Upright automatic player-. L. W. Southgate. No. 1,118,961; Dec. 1; Gaz. vol. 209; p. 19.
- Piano, Upright automatic player-. L. W. Southgate. No. 1,118,962; Dec. 1; Gaz. vol. 209; p. 20.
- Piano-violin. H. Schlemmer. No. 1,085,167; Jan. 27; Gaz. vol. 198; p. 732.
- Piano, Violin-. F. H. Watson. No. 1,117,288; Nov. 17; Gaz. vol. 208; p. 714.
- Pianos and other musical instruments, Machine for making wire strings for. L. Biava. No. 1,102,233; July 7; Gaz. vol. 204; p. 5.
- Pianos and the like, Action for player-. A. P. Gustafson. No. 1,101,846; June 30; Gaz. vol. 203; p. 1380.
- Pianos and the like, Expression device for player-. C. P. Hidden. No. 1,102,661; July 7; Gaz. vol. 204; p. 154.
- Pianos and the like, Expression device for player-. C. P. Hidden. No. 1,103,582; July 14; Gaz. vol. 204; p. 520.
- Pianos and the like, Wrist supporting and guiding attachment for. J. F. Vogel. No. 1,112,735; Oct. 6; Gaz. vol. 207; p. 115.
- Pianos, Automatic playing mechanism for grand. R. A. Leadbeter. No. 1,108,997; Sept. 1; Gaz. vol. 206; p. 49.
- Pianos, Balance-rail pin of. G. H. Lawrence. No. 1,118,939; Dec. 1; Gaz. vol. 209; p. 12.
- Pianos, Bell attachment for. E. W. Daab. No. 1,091,043; Mar. 24; Gaz. vol. 200; p. 935.
- Pianos, Coin-operated mechanism for automatic. A. F. Larson. No. 1,097,033; May 19; Gaz. vol. 202; p. 714.
- Pianos, Expression-controlling device for mechanically and manually operated player-. O. Johnson. No. 1,107,797; Aug. 18; Gaz. vol. 205; p. 868.
- Pianos, Locking device for electrically-operated. J. E. Kelly. No. 1,112,143; Sept. 29; Gaz. vol. 206; p. 1312.
- Pianos, Magnet-rail for electric. M. L. Severy and G. B. Sinclair. No. 1,097,052; May 19; Gaz. vol. 202; p. 720.
- Pianos, Motor for automatic. M. Clark. No. 1,089,748; Mar. 10; Gaz. vol. 200; p. 416.
- Pianos, Music-desk for. A. Wilberg. No. 1,101,367; June 23; Gaz. vol. 203; p. 1164.
- Pianos, Silent-travel attachment for player-. F. W. Draper. No. 1,112,989; Oct. 6; Gaz. vol. 207; p. 201.
- Pianos, Transmission for player-. F. V. Crofut. No. 1,090,386; Mar. 17; Gaz. vol. 200; p. 678.
- Pianoforte-players, Device for supporting the hands of. A. Scato. No. 1,092,173; Apr. 7; Gaz. vol. 201; p. 17.
- Pianofortes, Transposing attachment for. L. A. Goss. No. 1,107,783; Aug. 18; Gaz. vol. 205; p. 863.
- Pick. M. Madden. No. 1,088,032; Feb. 24; Gaz. vol. 199; p. 996.
- Pick, Detachable-point. F. P. Trainor. No. 1,111,277; Sept. 22; Gaz. vol. 206; p. 979.
- Pick, Non-short-circuiting. N. Lipoff. No. 1,102,935; July 7; Gaz. vol. 204; p. 247.
- Picker: See Cotton-picker; Fruit-picker; Stone-picker.
- Picker-check. S. S. Stacneck. No. 1,083,868; Jan. 6; Gaz. vol. 198; p. 198.
- Picker's and packer's bag. J. D. Yeates. No. 1,085,887; Feb. 3; Gaz. vol. 199; p. 109.
- Picking-machine feeder. J. J. McGowan. No. 1,091,438; Mar. 24; Gaz. vol. 200; p. 1066.
- Picket-pointer. J. S. Purdy. No. 1,109,147; Sept. 1; Gaz. vol. 206; p. 103.
- Pickling and washing apparatus motive means. G. Mesta. No. 1,107,821; Aug. 18; Gaz. vol. 205; p. 875.
- Picture and making the same, Color-. E. Bissell. No. 1,088,396; Feb. 24; Gaz. vol. 199; p. 1120.
- Picture apparatus, Attachment for moving-. A. Szeliga. No. 1,087,699; Feb. 17; Gaz. vol. 199; p. 835.
- Picture apparatus, Fire-preventive device for motion-. H. Goodwin. No. 1,111,376; Sept. 22; Gaz. vol. 206; p. 1011.
- Picture apparatus, Intermittent movement for motion-. N. Power. No. 1,088,364; Feb. 24; Gaz. vol. 199; p. 1110.
- Picture apparatus, Motion-. T. Armat. No. 1,112,751; Oct. 6; Gaz. vol. 207; p. 121.
- Picture apparatus, Motion-. C. F. Jenkins. No. 1,091,343; Mar. 24; Gaz. vol. 200; p. 1034.
- Picture apparatus, Moving-. J. Butcher. No. 1,114,730; Oct. 27; Gaz. vol. 207; p. 946.
- Picture apparatus, Moving-. C. H. Jeffries. No. 1,117,956; Nov. 17; Gaz. vol. 208; p. 948.
- Picture booths, Protective apparatus for moving-. W. J. Kerr. No. 1,091,662; Mar. 31; Gaz. vol. 200; p. 1188.
- Picture-exhibiting and sound-record machines, Synchronizing. I. Kitsec. No. 1,083,498; Jan. 6; Gaz. vol. 198; p. 79.
- Picture-exhibiting apparatus, Moving-. J. U. Houseman. No. 1,089,219; Mar. 3; Gaz. vol. 200; p. 188.
- Picture-exhibiting device. A. A. Jackson. No. 1,103,360; July 14; Gaz. vol. 204; p. 443.
- Picture-exhibiting machine. E. Kubn and A. H. Fitzpatrick. No. 1,100,892; June 23; Gaz. vol. 203; p. 1000.
- Picture-exhibition device. S. H. Strong. No. 1,084,666; Jan. 20; Gaz. vol. 198; p. 524.
- Picture-exhibitor. J. F. Brown. No. 1,097,609; May 26; Gaz. vol. 202; p. 957.
- Picture-film carton, Motion-. A. N. Pierman. No. 1,106,676; Aug. 11; Gaz. vol. 205; p. 425.
- Picture-film mender, Moving-. H. A. Burley. No. 1,083,590; Jan. 6; Gaz. vol. 198; p. 109.
- Picture-film rewind, Motion-. I. D. Stephens. No. 1,097,686; May 26; Gaz. vol. 202; p. 986.
- Picture films, Apparatus for producing motion-. A. F. Gall. No. 1,109,917; Sept. 8; Gaz. vol. 206; p. 416.
- Picture films, Apparatus for successive treatment of motion-. G. C. Dobbs and M. McGregor. No. 1,109,208; Sept. 1; Gaz. vol. 206; p. 125.
- Picture films, Apparatus for unwinding motion-. E. B. Feaster. No. 1,116,580; Nov. 10; Gaz. vol. 208; p. 425.
- Picture films, Film-fire-protection device for moving-. D. O. Seaman. No. 1,111,767; Sept. 29; Gaz. vol. 206; p. 1183.
- Picture films, Indicating device for moving-. F. H. Avers. No. 1,090,128; Mar. 17; Gaz. vol. 200; p. 587.
- Picture films, Reel for moving-. J. H. Rees. No. 1,089,082; Mar. 3; Gaz. vol. 200; p. 140.
- Picture-frame hanger. W. Mehrmann. No. 1,107,686; Aug. 18; Gaz. vol. 205; p. 829.
- Picture-hanger. R. S. Cormier. No. 1,103,491; July 14; Gaz. vol. 204; p. 486.
- Picture-holder. G. Polverino. No. 1,104,219; July 21; Gaz. vol. 204; p. 781.
- Picture-hook. A. T. Williams. No. 1,103,721; July 14; Gaz. vol. 204; p. 570.
- Picture-machine films, Apparatus for treating motion-. N. Power. No. 1,119,115; Dec. 1; Gaz. vol. 209; p. 76.
- Picture machine, Motion-. L. C. Van Riper. No. 1,085,392; Jan. 27; Gaz. vol. 198; p. 811.
- Picture machine, Moving-. G. W. Bingham. No. 1,119,489; Dec. 1; Gaz. vol. 209; p. 203.
- Picture machine, Moving-. B. Borland. No. 1,106,076; Aug. 4; Gaz. vol. 205; p. 171.
- Picture machine, Moving-. J. A. Cameron. No. 1,088,806; Mar. 3; Gaz. vol. 200; p. 45.
- Picture machine, Moving-. V. L. Duhem. No. 1,108,838; Aug. 25; Gaz. vol. 205; p. 1275.
- Picture machine, Moving-. H. L. Fisher. No. 1,101,916; June 30; Gaz. vol. 203; p. 1415.
- Picture machine, Moving-. F. H. Frude. No. 1,089,466; Mar. 10; Gaz. vol. 200; p. 318.
- Picture machine, Moving-. J. Griffiths. No. 1,099,356; June 9; Gaz. vol. 203; p. 383.
- Picture machine, Moving-. R. C. Groh. No. 1,113,617; Oct. 13; Gaz. vol. 207; p. 463.
- Picture machine, Moving-. J. E. Leonard. No. 1,102,933; July 7; Gaz. vol. 204; p. 246.
- Picture machine, Moving-. J. E. Leonard. No. 1,102,988; July 7; Gaz. vol. 204; p. 264.
- Picture machine, Moving-. H. H. Momyer. No. 1,111,229; Sept. 22; Gaz. vol. 206; p. 962.
- Picture machine, Moving-. E. H. Sperberg. No. 1,097,478; May 19; Gaz. vol. 202; p. 870.
- Picture machine, Moving-. C. H. Weise and F. A. McAuvie. No. 1,092,549; Apr. 7; Gaz. vol. 201; p. 146.
- Picture-machine safety device, Moving-. N. Power. No. 1,119,451; Dec. 1; Gaz. vol. 209; p. 189.
- Picture machines, Attachment for moving-. N. H. Clarke. No. 1,087,638; Feb. 17; Gaz. vol. 199; p. 814.
- Picture machines, Automatic control and safety device for moving-. J. McFeely. No. 1,084,651; Jan. 20; Gaz. vol. 198; p. 519.
- Picture machines, Feed mechanism for moving-. J. Butcher. No. 1,104,873; July 28; Gaz. vol. 204; p. 1057.
- Picture machines, Feeding mechanism for motion-. N. Power. No. 1,088,365; Feb. 24; Gaz. vol. 199; p. 1110.
- Picture machines, Film-reel for moving-. C. E. Sharlow. No. 1,118,689; Nov. 24; Gaz. vol. 208; p. 1245.
- Picture machines, Film-winding mechanism for moving-. J. B. Merkel and G. J. Carroll. No. 1,086,198; Feb. 3; Gaz. vol. 199; p. 219.
- Picture machines, Fire-protector for moving-. A. L. Cleaver. No. 1,121,477; Dec. 15; Gaz. vol. 209; p. 980.

Alphabetical list of inventions—Continued.

- Picture machines, Means for rewinding the films of motion-. A. B. Hoover. No. 1,113,633; Oct. 13; Gaz. vol. 207; p. 468.
- Picture machines, Projecting apparatus for moving-. G. E. Ripley, W. N. Gladson, and R. E. Thompson. No. 1,091,864; Mar. 31; Gaz. vol. 200; p. 1260.
- Picture machines, Shutter for motion-. H. O. Carleton and E. W. Nelson. No. 1,119,924; Dec. 8; Gaz. vol. 209; p. 388.
- Picture machines, Shutter for motion-. A. D. Standeford. No. 1,091,543; Mar. 31; Gaz. vol. 200; p. 1147.
- Picture machines, Shutter for moving-. F. W. Hochstetter. No. 1,094,147; Apr. 21; Gaz. vol. 201; p. 762.
- Picture machines, Shutter for moving-. F. W. Hochstetter. No. 1,094,148; Apr. 21; Gaz. vol. 201; p. 763.
- Picture machines, Shutter mechanism for moving-. F. W. Hochstetter. No. 1,115,538; Nov. 3; Gaz. vol. 208; p. 25.
- Picture machines, Treating films for motion-. N. Power. No. 1,117,239; Nov. 17; Gaz. vol. 208; p. 697.
- Picture machines, Winding mechanism for motion-. P. U. Mascher. No. 1,084,217; Jan. 13; Gaz. vol. 198; p. 349.
- Picture-mat and material for making same. I. N. Matsuo. No. 1,092,499; Apr. 7; Gaz. vol. 201; p. 131.
- Picture mechanism, Motion-. J. Tessier. No. 1,087,996; Feb. 24; Gaz. vol. 199; p. 983.
- Picture-projecting apparatus. R. P. De Vault. No. 1,098,889; June 2; Gaz. vol. 203; p. 180.
- Picture-projecting apparatus, Motion-. A. F. Gall. No. 1,092,905; Apr. 14; Gaz. vol. 201; p. 303.
- Picture-projecting apparatus, Motion-. F. H. May. No. 1,087,129; Feb. 17; Gaz. vol. 199; p. 634.
- Picture-projecting device. C. F. Jenkins. No. 1,090,622; Mar. 17; Gaz. vol. 200; p. 762.
- Picture-projecting machine. A. F. Victor. No. 1,084,678; Jan. 20; Gaz. vol. 198; p. 529.
- Picture-projecting machine, Portable motion-. W. J. Branigan. No. 1,090,097; Mar. 10; Gaz. vol. 200; p. 536.
- Picture reproduction and mechanism for producing the same, Curved screen for stationary and moving. W. L. Tillotson. No. 1,089,448; Mar. 10; Gaz. vol. 200; p. 312.
- Picture screen, Motion-. L. O. Rather. No. 1,106,111; Aug. 4; Gaz. vol. 205; p. 185.
- Picture screen, Moving-. H. S. Walker. No. 1,094,613; Apr. 28; Gaz. vol. 201; p. 980.
- Picture-taking machines, Film-perforating device for moving-. D. C. Law. No. 1,086,376; Feb. 10; Gaz. vol. 199; p. 323.
- Picture, Transfer-. G. R. Meyercord. No. 1,104,126; July 21; Gaz. vol. 204; p. 749.
- Pictures, Apparatus for taking or reproducing animated. L. H. Huet. No. 1,092,053; Mar. 31; Gaz. vol. 200; p. 1321.
- Pictures, Arrangement for making living. S. Kucharski. No. 1,103,057; July 14; Gaz. vol. 204; p. 337.
- Pictures or other objects, Suspension device for. M. G. Fröberg. No. 1,115,800; Nov. 3; Gaz. vol. 208; p. 112.
- Pictures, Process and article for producing moving. J. R. Bray. No. 1,107,193; Aug. 11; Gaz. vol. 205; p. 605.
- Pictures, Taking cinematographic. C. Sciamengo. No. 1,102,172; June 30; Gaz. vol. 203; p. 1497.
- Pie-crust or the like, Composition for. C. M. Fabel. No. 1,103,355; July 14; Gaz. vol. 204; p. 441.
- Pie-lifter. W. N. Boyles. No. 1,099,279; June 9; Gaz. vol. 203; p. 354.
- Pie-pan. B. C. Sabin. No. 1,097,367; May 19; Gaz. vol. 202; p. 832.
- Pie trimming and crimping machine. G. G. Grim. No. 1,113,616; Oct. 13; Gaz. vol. 207; p. 462.
- Pier-protector. S. C. May. No. 1,092,731; Apr. 7; Gaz. vol. 201; p. 208.
- Pig-breaking machine. J. B. Ladd and D. Baker. No. 1,112,146; Sept. 29; Gaz. vol. 206; p. 1313.
- Pigment and paint. O. W. Pickering. No. 1,113,907; Oct. 13; Gaz. vol. 207; p. 565.
- Pigment, Composition of matter to be used as a. E. Euston. No. 1,108,562; Aug. 25; Gaz. vol. 205; p. 1181.
- Pigments from titaniferous iron ores, Producing yellow. P. Farup. No. 1,087,575; Feb. 17; Gaz. vol. 199; p. 791.
- Pigtail connection. W. Shaw. No. 1,122,432; Dec. 29; Gaz. vol. 209; p. 1385.
- Pile. C. I. Deane. No. 1,111,366; Sept. 22; Gaz. vol. 206; p. 1008.
- Pile. T. W. Ridley. No. 1,087,830; Feb. 17; Gaz. vol. 199; p. 879.
- Pile. T. W. Ridley. No. 1,120,974; Dec. 15; Gaz. vol. 209; p. 805.
- Pile-driver. P. W. Leen. No. 1,088,710; Mar. 3; Gaz. vol. 200; p. 14.
- Pile-driving machine. T. L. Redding. No. 1,088,927; Mar. 3; Gaz. vol. 200; p. 87.
- Pile fabric in imitation of natural fur, Woven. F. Hammer. No. 1,088,898; Mar. 3; Gaz. vol. 200; p. 77.
- Pile fabric, Woven. J. C. Brooks. No. 1,113,098; Oct. 6; Gaz. vol. 207; p. 236.
- Pile fabric, Woven. H. Le Doux. No. 1,096,510; May 12; Gaz. vol. 202; p. 491.
- Pile fabrics, Apparatus for raising. F. Shaw and J. Dutton. No. 1,096,062; May 12; Gaz. vol. 202; p. 339.
- Pile-puller. R. J. Blackburn. No. 1,111,784; Sept. 29; Gaz. vol. 206; p. 1191.
- Piles and caissons, Means for forming underground footings for. E. Bignell. No. 1,084,063; Jan. 13; Gaz. vol. 198; p. 296.
- Piles and caissons, Nozzle for. E. Bignell. No. 1,089,525; Mar. 10; Gaz. vol. 200; p. 341.
- Piles, columns, girders, &c., Reinforcement for. R. A. Cummings. No. 1,096,685; May 12; Gaz. vol. 202; p. 550.
- Piles in pile-drivers, Device for guiding. F. R. Christiani. No. 1,115,782; Nov. 3; Gaz. vol. 208; p. 106.
- Piles made of concrete or other plastic material, Shoe for. M. Kahn. No. 1,085,430; Jan. 27; Gaz. vol. 198; p. 823.
- Piles, posts, and the like, Driving and extracting. A. Gibb, T. G. Menzies, and R. Chalmers. No. 1,102,652; July 7; Gaz. vol. 204; p. 152.
- Piles, tubed shafts, and the like, Making firm foundations in the ground for. O. Wilhelm. No. 1,106,606; Aug. 11; Gaz. vol. 205; p. 402.
- Piling, Integral sheet-. C. C. Conkling. No. 1,099,166; June 9; Gaz. vol. 203; p. 316.
- Piling, Metal sheet-. J. R. Wemlinger. No. 1,084,120; Jan. 13; Gaz. vol. 198; p. 316.
- Pill-injector. J. Kozmouky. No. 1,109,072; Sept. 1; Gaz. vol. 206; p. 76.
- Pillar or column as used for decorative purposes, Imitation. F. Bräutigam. No. 1,095,374; May 5; Gaz. vol. 202; p. 69.
- Pillow. O. Duckworth. No. 1,098,236; May 26; Gaz. vol. 202; p. 1179.
- Pillow and body-support, Combined adjustable. A. Ebbecke. No. 1,083,672; Jan. 6; Gaz. vol. 198; p. 136.
- Pilot-burner. J. E. Kennedy. No. 1,122,944; Dec. 29; Gaz. vol. 209; p. 1565.
- Pilot or fender. J. Summers. No. 1,089,287; Mar. 3; Gaz. vol. 200; p. 210.
- Pin: See Anchor-pin; Basting-pin; Bonding-pin; Bow-holding pin; Bowling-pin; Clothes-pin; Collar-pin; Cotter-pin; Curtain-pin; Hair-pin; Harrow-pin; Hat-pin; Insulator-pin; Jewelry-pin; Locking safety-pin; Piano tuning-pin; Push-pin; Safety-pin; Self-locking pin; Wire clothes-pin.
- Pin. S. F. Dooley. No. 1,102,187; June 30; Gaz. vol. 203; p. 1502.
- Pin. C. F. Markham. No. 1,113,670; Oct. 13; Gaz. vol. 207; p. 481.
- Pin. J. B. Ramirez. No. 1,100,446; June 16; Gaz. vol. 203; p. 794.
- Pin. H. G. Smith. No. 1,122,810; Dec. 29; Gaz. vol. 209; p. 1519.
- Pin. J. Wood. No. 1,084,995; Jan. 20; Gaz. vol. 198; p. 637.
- Pin-guard and ornament. M. Busch. No. 1,115,280; Oct. 27; Gaz. vol. 207; p. 1142.
- Pin-holder. G. Giugliano. No. 1,084,327; Jan. 13; Gaz. vol. 198; p. 385.
- Pin-joint. J. A. Doran. No. 1,086,656; Feb. 10; Gaz. vol. 199; p. 421.
- Pin-joint. J. A. Doran. No. 1,086,657; Feb. 10; Gaz. vol. 199; p. 422.
- Pin-point guard. A. Petit. No. 1,093,800; Apr. 21; Gaz. vol. 201; p. 646.
- Pin-point shield. K. Wislinski. No. 1,100,111; June 16; Gaz. vol. 203; p. 678.
- Pin safety-catch. H. W. Peters. No. 1,112,317; Sept. 29; Gaz. vol. 206; p. 1374.
- Pin-tumbler lock. E. J. Shipman. No. 1,093,080; Apr. 14; Gaz. vol. 201; p. 363.
- Pins, Machine for forming split. I. J. Young. No. 1,119,211; Dec. 1; Gaz. vol. 209; p. 108.
- Pins, Making taper. T. Ferry. No. 1,110,762; Sept. 15; Gaz. vol. 206; p. 756.
- Pins with head-plates, Appliance for providing metallic. H. J. Edel. No. 1,090,038; Mar. 10; Gaz. vol. 200; p. 515.
- Pincers. M. Brock. No. 1,106,360; Aug. 11; Gaz. vol. 205; p. 311.
- Pincers, Flooring-. U. Ohlsen. No. 1,106,399; Aug. 11; Gaz. vol. 205; p. 324.
- Pincers, Tacking and lasting. C. S. Boden. No. 1,090,514; Mar. 17; Gaz. vol. 200; p. 725.
- Pinch-bar. G. W. Holland. No. 1,094,992; Apr. 28; Gaz. vol. 201; p. 1115.
- Pinch-bar. E. Scholle. No. 1,109,365; Sept. 1; Gaz. vol. 206; p. 182.
- Pineapple-eye remover. L. Costa. No. 1,117,978; Nov. 24; Gaz. vol. 208; p. 995.
- Pineapple-eye snip. H. B. Kopf. No. 1,115,838; Nov. 3; Gaz. vol. 208; p. 126.
- Pineapples, Treating. H. G. Ginaca. No. 1,121,007; Dec. 15; Gaz. vol. 209; p. 817.
- Pineene ozonid. W. J. Knox. No. 1,086,372; Feb. 10; Gaz. vol. 199; p. 322.
- Pinion-housing. J. M. Keller. No. 1,092,915; Apr. 14; Gaz. vol. 201; p. 307.

Alphabetical list of inventions—Continued.

- Pipe: See Blowpipe; Culvert-pipe; Drain-pipe; Fodder-cutter discharge-pipe; Hot-air-conductor pipe; Irrigation-pipe; Organ-pipe; Sand-pipe; Smoking-pipe; Stand-pipe; Stovepipe; Tobacco-pipe; Wooden pipe.
- Pipe. E. Byrum. No. 1,119,573; Dec. 1; Gaz. vol. 209; p. 233.
- Pipe. R. H. Dimock. No. 1,098,485; June 2; Gaz. vol. 203; p. 44.
- Pipe. R. L. Loflin. No. 1,114,274; Oct. 20; Gaz. vol. 207; p. 735.
- Pipe. J. T. Sargent. No. 1,099,574; June 9; Gaz. vol. 203; p. 458.
- Pipe. M. G. Thomas. No. 1,111,196; Sept. 22; Gaz. vol. 206; p. 951.
- Pipe anchor, Train-. R. W. Burnett. No. 1,108,328; Aug. 25; Gaz. vol. 205; p. 1100.
- Pipe and bolt puller. O. Henrikson. No. 1,103,767; July 14; Gaz. vol. 204; p. 585.
- Pipe and hose connection, Metal. A. Schneider. No. 1,110,011; Sept. 8; Gaz. vol. 206; p. 449.
- Pipe and rod clamp. B. F. Adams. No. 1,123,156; Dec. 29; Gaz. vol. 209; p. 1642.
- Pipe and tile handling device. W. Johnson. No. 1,100,019; June 16; Gaz. vol. 203; p. 646.
- Pipe and tube. W. Conan. No. 1,123,099; Dec. 29; Gaz. vol. 209; p. 1620.
- Pipe and tube cutter. J. R. Smith. No. 1,112,728; Oct. 6; Gaz. vol. 207; p. 112.
- Pipe attachment. N. De Maio. No. 1,098,942; June 2; Gaz. vol. 203; p. 199.
- Pipe-bending device. J. Huber. No. 1,108,179; Aug. 25; Gaz. vol. 205; p. 1046.
- Pipe-bowl reamer. F. G. Pavelec. No. 1,117,236; Nov. 17; Gaz. vol. 208; p. 696.
- Pipe-cap. S. N. Malterner. No. 1,094,229; Apr. 21; Gaz. vol. 201; p. 790.
- Pipe cap, Draft-. H. F. Belknap. No. 1,103,734; July 14; Gaz. vol. 204; p. 574.
- Pipe, cigar-holder, or the like. H. H. Dyer. No. 1,090,036; Mar. 10; Gaz. vol. 200; p. 515.
- Pipe. Cinch for sheet-metal. K. J. Thorsby. No. 1,104,579; July 21; Gaz. vol. 204; p. 907.
- Pipe-clamp. J. Levey. No. 1,114,273; Oct. 20; Gaz. vol. 207; p. 734.
- Pipe-clamp. C. McCard. No. 1,105,336; July 28; Gaz. vol. 204; p. 1218.
- Pipe-clamp. M. C. Rosenfeld. No. 1,098,409; June 2; Gaz. vol. 203; p. 18.
- Pipe-cleaner. A. C. Eek. No. 1,099,541; June 9; Gaz. vol. 203; p. 446.
- Pipe-cleaner. H. W. Lee. No. 1,099,556; June 9; Gaz. vol. 203; p. 451.
- Pipe cleaner, Boiler-feed-. T. A. D. Schlacht. No. 1,098,128; May 26; Gaz. vol. 202; p. 1142.
- Pipe-cleaners, Packaging. W. R. Lee. No. 1,108,450; Aug. 25; Gaz. vol. 205; p. 1140.
- Pipe-cleaning devices into pipe-lines, Apparatus for inserting. B. B. Hodgman and C. Inglee. No. 1,089,641; Mar. 10; Gaz. vol. 200; p. 380.
- Pipe-cleaning means, Water-. R. P. Hill. No. 1,090,059; Mar. 10; Gaz. vol. 200; p. 523.
- Pipe-cleanser. S. Graham. No. 1,110,126; Sept. 8; Gaz. vol. 206; p. 493.
- Pipe connection. G. Cowles. No. 1,106,546; Aug. 11; Gaz. vol. 205; p. 380.
- Pipe connection. G. J. Dehn. No. 1,120,697; Dec. 15; Gaz. vol. 209; p. 709.
- Pipe connection, Automatic. J. W. Roberts. No. 1,121,763; Dec. 22; Gaz. vol. 209; p. 1116.
- Pipe connection, Flexible. P. M. Peacock. No. 1,105,689; Aug. 4; Gaz. vol. 205; p. 36.
- Pipe connection, Flexible metallic train-. L. J. Bordo. No. 1,106,918; Aug. 11; Gaz. vol. 205; p. 510.
- Pipe connection, Train-. J. Merryweather. No. 1,121,522; Dec. 15; Gaz. vol. 209; p. 995.
- Pipe connector, Automatic train-. D. B. McTaggart. No. 1,094,670; Apr. 28; Gaz. vol. 201; p. 1002.
- Pipe-coupling. D. C. Bailey. No. 1,097,508; May 19; Gaz. vol. 202; p. 879.
- Pipe-coupling. C. A. Bluhm. No. 1,095,789; May 5; Gaz. vol. 202; p. 211.
- Pipe-coupling. R. C. Blume. No. 1,086,641; Feb. 10; Gaz. vol. 199; p. 417.
- Pipe-coupling. J. P. Butler. No. 1,090,970; Mar. 24; Gaz. vol. 200; p. 909.
- Pipe-coupling. G. H. Cobb and A. Dumtra. No. 1,122,689; Dec. 29; Gaz. vol. 209; p. 1477.
- Pipe-coupling. R. E. Dodson. No. 1,115,912; Nov. 3; Gaz. vol. 208; p. 152.
- Pipe-coupling. C. Forth. No. 1,116,877; Nov. 10; Gaz. vol. 208; p. 531.
- Pipe-coupling. E. F. Girod. No. 1,097,798; May 26; Gaz. vol. 202; p. 1027.
- Pipe-coupling. L. D. Hubbard. No. 1,094,332; Apr. 21; Gaz. vol. 201; p. 821.
- Pipe-coupling. A. Kraemer. No. 1,103,212; July 14; Gaz. vol. 204; p. 394.
- Pipe-coupling. F. Lewis. No. 1,107,327; Aug. 18; Gaz. vol. 205; p. 700.
- Pipe-coupling. T. F. Lord. No. 1,100,315; June 16; Gaz. vol. 203; p. 749.
- Pipe-coupling. P. J. Madden. No. 1,089,656; Mar. 10; Gaz. vol. 200; p. 385.
- Pipe-coupling. W. H. Perkins. No. 1,106,967; Aug. 11; Gaz. vol. 205; p. 527.
- Pipe-coupling. H. R. Setz. No. 1,087,559; Feb. 17; Gaz. vol. 199; p. 785.
- Pipe-coupling. C. R. Thurman. No. 1,115,989; Nov. 3; Gaz. vol. 208; p. 179.
- Pipe-coupling. J. E. Ward. No. 1,099,220; June 9; Gaz. vol. 203; p. 335.
- Pipe-coupling clamping-ring. S. R. Dresser. No. 1,107,595; Aug. 18; Gaz. vol. 205; p. 796.
- Pipe-coupling, Detachable. C. H. Smith and F. L. Parkman. No. 1,120,340; Dec. 8; Gaz. vol. 209; p. 535.
- Pipe-coupling, Flexible. W. H. Ramsey. No. 1,092,390; Apr. 7; Gaz. vol. 201; p. 91.
- Pipe-coupling machine. E. Humphrey. No. 1,086,178; Feb. 3; Gaz. vol. 199; p. 212.
- Pipe coupling, Train-. J. Blackburn. No. 1,106,619; Aug. 11; Gaz. vol. 205; p. 406.
- Pipe coupling, Train-. W. F. Clasen. No. 1,118,107; Nov. 24; Gaz. vol. 208; p. 1041.
- Pipe coupling, Train-. P. O. Cole. No. 1,090,453; Mar. 17; Gaz. vol. 200; p. 704.
- Pipe coupling, Train-. H. R. L. G., and H. B. Dore. No. 1,119,814; Dec. 8; Gaz. vol. 209; p. 349.
- Pipe coupling, Train-. A. S. English. No. 1,106,354; Aug. 4; Gaz. vol. 205; p. 264.
- Pipe coupling, Train-. J. C. Hunt and J. L. McKenna. No. 1,090,539; Mar. 17; Gaz. vol. 200; p. 732.
- Pipe coupling, Train-. O. B. Kent and C. W. Waters. No. 1,112,144; Sept. 29; Gaz. vol. 206; p. 1312.
- Pipe coupling, Train-. W. R. McDaniel. No. 1,114,899; Oct. 27; Gaz. vol. 207; p. 1007.
- Pipe coupling, Train-. J. Shurlow and O. Acker. No. 1,116,940; Nov. 10; Gaz. vol. 208; p. 552.
- Pipe coupling, Train-. C. A. Simmons. No. 1,100,331; June 16; Gaz. vol. 203; p. 754.
- Pipe coupling, Train-. W. D. Widders. No. 1,102,837; July 7; Gaz. vol. 204; p. 216.
- Pipe coupling, Train-. H. O. Witwer. No. 1,102,206; June 30; Gaz. vol. 203; p. 1510.
- Pipe-couplings, Combined threading and reaming tool for. G. E. Miller. No. 1,098,583; June 2; Gaz. vol. 203; p. 79.
- Pipe couplings, Locking mechanism for train-. P. Schmidt. No. 1,092,296; Apr. 7; Gaz. vol. 201; p. 61.
- Pipe-couplings, Machine for threading. W. M. Neckerman. No. 1,085,696; Feb. 3; Gaz. vol. 199; p. 41.
- Pipe-covering. H. Schaperjahn. No. 1,105,844; Aug. 4; Gaz. vol. 205; p. 91.
- Pipe-coverings, Means for waterproofing. D. A. Bonitz. No. 1,111,688; Sept. 22; Gaz. vol. 206; p. 1121.
- Pipe-cutter. J. T. Bodkin. No. 1,115,277; Oct. 27; Gaz. vol. 207; p. 1140.
- Pipe-cutter. W. H. Johnson. No. 1,118,349; Nov. 24; Gaz. vol. 208; p. 1125.
- Pipe-cutter. H. D. Nash. No. 1,117,225; Nov. 17; Gaz. vol. 208; p. 692.
- Pipe-cutter. J. P. Strickler. No. 1,092,304; Apr. 7; Gaz. vol. 201; p. 63.
- Pipe-cutting appliance. W. H. Gallagher and L. E. Grimes. No. 1,107,511; Aug. 18; Gaz. vol. 205; p. 766.
- Pipe-cutting machine. G. Wallace. No. 1,111,336; Sept. 22; Gaz. vol. 206; p. 998.
- Pipe-cutting tool. S. Morelli. No. 1,100,760; June 23; Gaz. vol. 203; p. 953.
- Pipe-elbow-bending machine. J. Dymond. No. 1,096,025; May 12; Gaz. vol. 202; p. 325.
- Pipe expanding and beading machine. C. L. Heisler. No. 1,114,351; Oct. 20; Gaz. vol. 207; p. 761.
- Pipe-expanding machine. J. I. Pilston. No. 1,108,618; Aug. 25; Gaz. vol. 205; p. 1201.
- Pipe-fastener. M. L. Day. No. 1,099,846; June 9; Gaz. vol. 203; p. 548.
- Pipe-fitting. B. F. Safberg. No. 1,117,251; Nov. 17; Gaz. vol. 208; p. 700.
- Pipe-fitting, Adjustable. M. J. O'Donnell. No. 1,091,697; Mar. 31; Gaz. vol. 200; p. 1199.
- Pipe-fitting, valve, and separator, Combined. W. S. Elliott. No. 1,094,204; Apr. 21; Gaz. vol. 201; p. 782.
- Pipe fitting, Waste and vent. H. J. Luff. No. 1,097,982; May 26; Gaz. vol. 202; p. 1092.
- Pipe-fittings, Making. J. H. Ross. No. 1,122,422; Dec. 29; Gaz. vol. 209; p. 1381.
- Pipe-flanging machine. W. J. Hatton. No. 1,101,434; June 23; Gaz. vol. 203; p. 1186.
- Pipe-forming machine, Sheet-metal-. J. Fraser. No. 1,109,522; Sept. 1; Gaz. vol. 206; p. 233.
- Pipe-grapple. J. E. Martin. No. 1,102,065; June 30; Gaz. vol. 203; p. 1460.
- Pipe-hanger. H. G. Carlson. No. 1,106,078; Aug. 4; Gaz. vol. 205; p. 172.
- Pipe-hanger. L. A. Cornelius. No. 1,086,442; Feb. 10; Gaz. vol. 199; p. 346.
- Pipe-hanger. E. J. Hiller. No. 1,085,421; Jan. 27; Gaz. vol. 198; p. 821.
- Pipe-hanger. L. A. Hoerr. No. 1,111,069; Sept. 22; Gaz. vol. 206; p. 906.
- Pipe-hanger. M. C. Rosenfeld. No. 1,098,410; June 2; Gaz. vol. 203; p. 19.

Alphabetical list of inventions—Continued.

- Pipe hanger, Conductor-. E. K. Day and M. L. Hunker. No. 1,116,573; Nov. 10; Gaz. vol. 208; p. 422.
- Pipe hanger, Train-. J. D. Callahan. No. 1,099,018; June 2; Gaz. vol. 203; p. 223.
- Pipe-hanger, Two-piece-. L. A. Carpenter and R. Middleton. No. 1,111,360; Sept. 22; Gaz. vol. 206; p. 1006.
- Pipe-holder. S. H. Campbell. No. 1,122,854; Dec. 29; Gaz. vol. 209; p. 1535.
- Pipe insulation and support, Steam-. P. W. Lamson. No. 1,122,130; Dec. 22; Gaz. vol. 209; p. 1244.
- Pipe-joint. J. A. Lillie. No. 1,099,066; June 2; Gaz. vol. 203; p. 237.
- Pipe-joint. G. W. Sandiford. No. 1,091,462; Mar. 24; Gaz. vol. 200; p. 1073.
- Pipe joint, Brewer's-. H. Hill. No. 1,113,994; Oct. 20; Gaz. vol. 207; p. 634.
- Pipe-joint, Expansion. W. H. Renn. No. 1,090,086; Mar. 10; Gaz. vol. 200; p. 531.
- Pipe-joint, Flexible. J. H. Phillips, Jr. No. 1,117,962; Nov. 17; Gaz. vol. 208; p. 949.
- Pipe-joints, Joint member for flexible. J. H. Phillips, Jr. No. 1,117,961; Nov. 17; Gaz. vol. 208; p. 949.
- Pipe lifter, Well-. P. and E. B. Bissen. No. 1,094,113; Apr. 21; Gaz. vol. 201; p. 751.
- Pipe-line system. S. E. and A. J. Diescher. No. 1,119,410; Dec. 1; Gaz. vol. 209; p. 176.
- Pipe lining, Tobacco-. H. L. Canfield. No. 1,114,579; Oct. 20; Gaz. vol. 207; p. 842.
- Pipe plug, Waste-. A. G. Schmidt. No. 1,107,363; Aug. 18; Gaz. vol. 205; p. 713.
- Pipe-protector. E. E. Shirley. No. 1,097,054; May 19; Gaz. vol. 202; p. 721.
- Pipe-pushing device. C. D. Ammon. No. 1,117,150; Nov. 17; Gaz. vol. 208; p. 664.
- Pipe-rack, Folding. J. S. Rathbone. No. 1,104,004; July 21; Gaz. vol. 204; p. 706.
- Pipe-repair device. L. Van Gilder. No. 1,097,151; May 19; Gaz. vol. 202; p. 756.
- Pipe-ring cutter. H. E. Stratton. No. 1,100,033; June 16; Gaz. vol. 203; p. 650.
- Pipe-severing device. O. Wagner. No. 1,097,152; May 19; Gaz. vol. 202; p. 757.
- Pipe-stem. L. G. Hammer. No. 1,114,753; Oct. 27; Gaz. vol. 207; p. 954.
- Pipe-strap. C. W. Mitchell. No. 1,087,036; Feb. 10; Gaz. vol. 199; p. 550.
- Pipe-support. L. S. Chadwick. No. 1,109,962; Sept. 8; Gaz. vol. 206; p. 432.
- Pipe-support. W. B. Gray. No. 1,110,128; Sept. 8; Gaz. vol. 206; p. 493.
- Pipe-support. W. B. Gray. No. 1,110,130; Sept. 8; Gaz. vol. 206; p. 494.
- Pipe-support. E. B. Tyler. No. 1,097,273; May 19; Gaz. vol. 202; p. 800.
- Pipe thermostatic motor. E. S. Halsey. No. 1,105,558; July 28; Gaz. vol. 204; p. 1296.
- Pipe-thread reshaper. J. M. Breedlove. No. 1,118,732; Nov. 24; Gaz. vol. 208; p. 1259.
- Pipe threading and cutting apparatus. W. W. Vosper. No. 1,084,118; Jan. 13; Gaz. vol. 198; p. 315.
- Pipe threading and reaming device. P. T. Sullivan and F. Judge. No. 1,096,809; May 12; Gaz. vol. 202; p. 592.
- Pipe-threading machine. J. H. Hines. No. 1,104,046; July 21; Gaz. vol. 204; p. 721.
- Pipe-threading machine. J. E. Sullivan. No. 1,099,215; June 9; Gaz. vol. 203; p. 332.
- Pipe-threading tool. M. W. Bechtel. No. 1,119,338; Dec. 1; Gaz. vol. 209; p. 150.
- Pipe-threading tool. C. E. Josselyn. No. 1,115,831; Nov. 3; Gaz. vol. 208; p. 123.
- Pipe-threading tool. I. W. Nonneman. No. 1,115,727; Nov. 3; Gaz. vol. 208; p. 89.
- Pipe, Treating old iron and steel. D. E. Phillips. No. 1,106,109; Aug. 4; Gaz. vol. 205; p. 184.
- Pipe-trimming machine. R. E. Connor. No. 1,120,134; Dec. 8; Gaz. vol. 209; p. 461.
- Pipe-union. L. L. Reilly. No. 1,098,974; June 2; Gaz. vol. 203; p. 209.
- Pipe-wrench. B. F. Adams. No. 1,095,616; May 5; Gaz. vol. 202; p. 152.
- Pipe-wrench. H. J. Ballem. No. 1,099,872; June 9; Gaz. vol. 203; p. 558.
- Pipe-wrench. F. G. Basso. No. 1,088,198; Feb. 24; Gaz. vol. 199; p. 1053.
- Pipe-wrench. E. E. Brown. No. 1,116,378; Nov. 10; Gaz. vol. 208; p. 351.
- Pipe-wrench. S. N. Hall. No. 1,107,937; Aug. 18; Gaz. vol. 205; p. 914.
- Pipe-wrench. W. J. Hamblin. No. 1,098,722; June 2; Gaz. vol. 203; p. 125.
- Pipe-wrench. W. J. Hamblin. No. 1,104,730; July 21; Gaz. vol. 204; p. 958.
- Pipe-wrench. T. Hinds. No. 1,105,782; Aug. 4; Gaz. vol. 205; p. 68.
- Pipe-wrench. E. Kibele and W. G. Vreeland. No. 1,118,937; Dec. 1; Gaz. vol. 209; p. 11.
- Pipe-wrench. A. Klein. No. 1,115,439; Oct. 27; Gaz. vol. 207; p. 1195.
- Pipe-wrench. W. G. Knapp and C. E. Wilcox. No. 1,096,377; May 12; Gaz. vol. 202; p. 446.
- Pipe-wrench. W. G. Knapp and C. E. Wilcox. No. 1,102,517; July 7; Gaz. vol. 204; p. 103.
- Pipe-wrench. A. K. Reed. No. 1,114,649; Oct. 20; Gaz. vol. 207; p. 865.
- Pipe-wrench. F. M. Simpson. No. 1,101,343; June 23; Gaz. vol. 203; p. 1156.
- Pipe-wrench. T. B. Somers. No. 1,103,323; July 14; Gaz. vol. 204; p. 430.
- Pipe-wrench. R. L. Stringfellow. No. 1,093,496; Apr. 14; Gaz. vol. 201; p. 502.
- Pipe-wrench. W. S. Thomson. No. 1,122,335; Dec. 29; Gaz. vol. 209; p. 1354.
- Pipe-wrench. J. A. Watson. No. 1,113,269; Oct. 13; Gaz. vol. 207; p. 341.
- Pipe-wrenches, Blank for forming the shanks of. G. Heckling. No. 1,091,220; Mar. 24; Gaz. vol. 200; p. 997.
- Pipes, Apparatus for maintaining a constant supply and pressure in service-. H. M. Bowser and T. F. Mulligan. No. 1,112,111; Sept. 29; Gaz. vol. 206; p. 1302.
- Pipes, Apparatus for making lapweld-. W. M. Necker-man. No. 1,106,577; Aug. 11; Gaz. vol. 205; p. 391.
- Pipes, Device for removing material from underground. F. L. Pruyn. No. 1,097,876; May 26; Gaz. vol. 202; p. 1053.
- Pipes, Dust-catcher for air-. J. W. Young. No. 1,111,633; Sept. 22; Gaz. vol. 206; p. 1100.
- Pipes, Fluid-pressure coupling for train-. L. D. Woodruff. No. 1,102,522; July 7; Gaz. vol. 204; p. 141.
- Pipes for chimneys, Making. F. Schofer. No. 1,112,725; Oct. 6; Gaz. vol. 207; p. 111.
- Pipes in an undulating line, Machine for cutting the ends of clay. J. K. Jensen. No. 1,108,845; Aug. 25; Gaz. vol. 205; p. 1277.
- Pipes, Making welded. F. L. Pinkham. No. 1,108,393; Aug. 25; Gaz. vol. 205; p. 1123.
- Pipes, masts, pillars, and the like, Device for tightening and reinforcing. H. Siegwart. No. 1,084,906; Jan. 20; Gaz. vol. 198; p. 607.
- Pipes or tubes or pumps, Throttling device for. G. C. Adams. No. 1,095,767; May 5; Gaz. vol. 202; p. 204.
- Pipes, rods, &c., Apparatus for bending. J. A. Miller. No. 1,105,914; Aug. 4; Gaz. vol. 205; p. 114.
- Pipes, Swivel-head for drill-. W. B. Wigle. No. 1,120,260; Dec. 8; Gaz. vol. 209; p. 506.
- Pipes, Tool for forming grooves in. P. Mueller and A. C. Schuermann. No. 1,100,248; June 16; Gaz. vol. 203; p. 725.
- Pipes, &c., Treatment of. R. M. Thomas. No. 1,121,308; Dec. 15; Gaz. vol. 209; p. 922.
- Pipette. R. D. Maddox. No. 1,098,514; June 2; Gaz. vol. 203; p. 55.
- Pipette. L. J. Nickels. No. 1,092,384; Apr. 7; Gaz. vol. 201; p. 89.
- Piping, Device for facilitating the running of. M. D. Thompson. No. 1,118,970; Dec. 1; Gaz. vol. 209; p. 23.
- Piping, Thread-starter for. D. S. Cochran. No. 1,099,340; June 9; Gaz. vol. 203; p. 377.
- Pistol, Automatic. J. Clément and V. Loiselet. No. 1,105,404; July 28; Gaz. vol. 204; p. 1243.
- Pistol, Automatic. V. Falco. No. 1,089,195; Mar. 3; Gaz. vol. 200; p. 181.
- Pistol-holster. C. E. Gaskill. No. 1,120,190; Dec. 8; Gaz. vol. 209; p. 481.
- Pistol holster, Automatic-. E. A. Sisson. No. 1,110,993; Sept. 15; Gaz. vol. 206; p. 836.
- Pistol, Liquid-. R. Parker. No. 1,085,472; Jan. 27; Gaz. vol. 198; p. 836.
- Pistol, Pneumatic. D. R. Sackman. No. 1,112,563; Oct. 6; Gaz. vol. 207; p. 54.
- Pistols, Search-light for. J. B. Williams. No. 1,088,502; Feb. 24; Gaz. vol. 199; p. 1154.
- Piston. F. G. Haas. No. 1,092,834; Apr. 14; Gaz. vol. 201; p. 279.
- Piston. O. Hardin. No. 1,115,929; Nov. 3; Gaz. vol. 208; p. 158.
- Piston. E. R. Hewitt. No. 1,115,535; Nov. 3; Gaz. vol. 208; p. 23.
- Piston. E. A. Reeves. No. 1,084,755; Jan. 20; Gaz. vol. 198; p. 557.
- Piston. G. J. Sayer. No. 1,114,187; Oct. 20; Gaz. vol. 207; p. 704.
- Piston. J. A. Sloan. No. 1,100,154; June 16; Gaz. vol. 203; p. 694.
- Piston-cooling device. N. S. Beebe. No. 1,090,774; Mar. 17; Gaz. vol. 200; p. 809.
- Piston-engine. W. Kühn. No. 1,083,686; Jan. 6; Gaz. vol. 198; p. 141.
- Piston, Engine trunk-. M. G. Chandler. No. 1,114,229; Oct. 20; Gaz. vol. 207; p. 719.
- Piston for explosion engines or motors. E. O. Spillman and L. P. Mooers. No. 1,092,870; Apr. 14; Gaz. vol. 201; p. 291.
- Piston for gas-engines. P. Daniel. No. 1,115,176; Oct. 27; Gaz. vol. 207; p. 1106.
- Piston for internal-combustion engines. C. Day and G. E. Windeler. No. 1,089,823; Mar. 10; Gaz. vol. 200; p. 442.
- Piston-holding tool. J. A. Houston. No. 1,090,537; Mar. 17; Gaz. vol. 200; p. 732.

Alphabetical list of inventions—Continued.

- Piston of engines, compressors, motors, and other machines having reciprocating pistons. H. Junkers. No. 1,102,590; July 7; Gaz. vol. 204; p. 130.
- Piston or plunger, Cup-ring-packed. A. R. Trist. No. 1,083,957; Jan. 13; Gaz. vol. 198; p. 259.
- Piston-ring. A. Chevrolet. No. 1,094,057; Apr. 21; Gaz. vol. 201; p. 733.
- Piston-ring. M. L. Dunham. No. 1,103,912; July 14; Gaz. vol. 204; p. 634.
- Piston-ring. H. Magee. No. 1,098,121; May 26; Gaz. vol. 202; p. 1140.
- Piston-ring clamp. L. O. Demers. No. 1,113,106; Oct. 6; Gaz. vol. 207; p. 239.
- Piston-ring-compressing device. A. I. Everett. No. 1,106,198; Aug. 4; Gaz. vol. 205; p. 214.
- Piston-ring-gaging tool. D. F. Domlzi. No. 1,098,026; May 26; Gaz. vol. 202; p. 1107.
- Piston-ring remover. M. Merliss. No. 1,100,486; June 16; Gaz. vol. 203; p. 808.
- Piston-ring spreader. R. R. Patchell. No. 1,117,083; Nov. 10; Gaz. vol. 208; p. 602.
- Piston-ring-spreading tool. S. W. Stirk. No. 1,119,374; Dec. 1; Gaz. vol. 209; p. 164.
- Piston-rings, Device for contracting. H. J. Walton and C. M. Nerber. No. 1,103,717; July 14; Gaz. vol. 204; p. 569.
- Piston-rings, Making. P. Dulk, Jr. No. 1,121,336; Dec. 15; Gaz. vol. 209; p. 932.
- Piston-rod. A. S. Vogt. No. 1,112,737; Oct. 6; Gaz. vol. 207; p. 116.
- Piston-rod and cylinder therefor, Flexible. J. Desmond. No. 1,106,930; Aug. 11; Gaz. vol. 205; p. 515.
- Piston. Steam-. R. C. Montegale. No. 1,094,461; Apr. 28; Gaz. vol. 201; p. 928.
- Piston-trap. J. W. Lytton. No. 1,122,779; Dec. 29; Gaz. vol. 209; p. 1507.
- Piston-turning machine. A. W. Foote. No. 1,095,322; May 5; Gaz. vol. 202; p. 51.
- Piston, Valved. C. M. Myers. No. 1,116,467; Nov. 10; Gaz. vol. 208; p. 382.
- Pistons, Making. G. H. Dyer and H. E. Mack, Jr. No. 1,102,188; June 30; Gaz. vol. 203; p. 1503.
- Pistons of gas-engines, Decarbonizing-tool for. F. Lotter. No. 1,103,596; July 14; Gaz. vol. 204; p. 525.
- Pistons, Producing. A. Weber. No. 1,106,905; Aug. 11; Gaz. vol. 205; p. 505.
- Pitch and preparing the same, Hard commercial. C. N. Stevens. No. 1,088,635; Feb. 24; Gaz. vol. 199; p. 1197.
- Pitch composition, Toughened-. E. L. Manhayfer. No. 1,112,817; Oct. 6; Gaz. vol. 207; p. 142.
- Pitchfork. A. C. Sandvig. No. 1,109,251; Sept. 1; Gaz. vol. 206; p. 140.
- Pitman. J. T. Hay. No. 1,100,732; June 23; Gaz. vol. 203; p. 944.
- Pitman. G. E. Smith. No. 1,086,474; Feb. 10; Gaz. vol. 199; p. 358.
- Pitman-wheel. C. D. Johnson. No. 1,118,285; Nov. 24; Gaz. vol. 208; p. 1101.
- Pitometer. H. T. Havill. No. 1,089,129; Mar. 3; Gaz. vol. 200; p. 158.
- Pivot. J. T. Allmand. No. 1,104,238; July 21; Gaz. vol. 204; p. 787.
- Pivot-straightening device. J. N. Stevens. No. 1,094,176; Apr. 21; Gaz. vol. 201; p. 773.
- Placer-machine. C. E. J. Anderson. No. 1,088,759; Mar. 3; Gaz. vol. 200; p. 29.
- Placer-machine. J. Berger. No. 1,093,760; Apr. 21; Gaz. vol. 201; p. 633.
- Placer-treating apparatus. C. E. J. Anderson. No. 1,088,760; Mar. 3; Gaz. vol. 200; p. 29.
- Bracket-fastener. R. Dignan. No. 1,106,370; Aug. 11; Gaz. vol. 205; p. 315.
- Plaiting-machine for producing textile fabrics resembling velvet. E. L. Ezbelent. No. 1,107,771; Aug. 18; Gaz. vol. 205; p. 859.
- Planchette device. H. F. Fontanella. No. 1,091,206; Mar. 24; Gaz. vol. 200; p. 992.
- Plane. A. A. Page. No. 1,090,225; Mar. 17; Gaz. vol. 200; p. 622.
- Plane. O. O. Skrukrud. No. 1,087,695; Feb. 17; Gaz. vol. 199; p. 335.
- Plane. J. Smith. No. 1,102,095; June 30; Gaz. vol. 203; p. 1470.
- Plane. W. E. Sparks. No. 1,104,454; July 21; Gaz. vol. 204; p. 861.
- Plane, Bench-. H. M. Wood. No. 1,112,399; Sept. 29; Gaz. vol. 206; p. 1403.
- Plane-bit fastening. J. Bahmiller. No. 1,092,326; Apr. 7; Gaz. vol. 201; p. 71.
- Plane, Iron. T. S. Carlisle. No. 1,089,189; Mar. 3; Gaz. vol. 200; p. 179.
- Plane, Rabbet-. A. A. Page. No. 1,100,770; June 23; Gaz. vol. 203; p. 957.
- Planes, Gage attachment for. T. J. Kintner. No. 1,110,999; Sept. 15; Gaz. vol. 206; p. 837.
- Planes, Guard for hand-. J. E. Westberg. No. 1,085,651; Feb. 3; Gaz. vol. 199; p. 25.
- Planer. A. P. Haustetter. No. 1,107,787; Aug. 18; Gaz. vol. 205; p. 865.
- Planer and excavator. Shale. J. M. Powell. No. 1,083,558; Jan. 6; Gaz. vol. 198; p. 99.
- Planer, Bevel-gear. C. Barth. No. 1,094,190; Apr. 21; Gaz. vol. 201; p. 777.
- Planer-guard. W. Jenkins. No. 1,094,657; Apr. 28; Gaz. vol. 201; p. 997.
- Planer-head attachment. J. T. Gardiner. No. 1,087,363; Feb. 17; Gaz. vol. 199; p. 716.
- Planer, Metal-. A. W. Whitcomb. No. 1,088,001; Feb. 24; Gaz. vol. 199; p. 985.
- Planer, Metal-. A. W. Whitcomb. No. 1,103,457; July 14; Gaz. vol. 204; p. 474.
- Planer or smoother, Power-operated hand. E. I. Dodds. No. 1,090,602; Mar. 17; Gaz. vol. 200; p. 755.
- Planer, Road-. W. S. Foster. No. 1,107,279; Aug. 18; Gaz. vol. 205; p. 683.
- Planer-stop mechanism. C. H. Usher. No. 1,088,852; Mar. 3; Gaz. vol. 200; p. 61.
- Planers and the like, Feed device for. P. J. Joecken. No. 1,098,629; June 2; Gaz. vol. 203; p. 94.
- Planers, Jig attachment for. A. Orton. No. 1,115,966; Nov. 3; Gaz. vol. 208; p. 171.
- Planing and scraping machine, Floor. A. A. Jackson. No. 1,109,335; Sept. 1; Gaz. vol. 206; p. 170.
- Planing-machine. A. W. Nelson. No. 1,111,702; Sept. 22; Gaz. vol. 206; p. 1126.
- Planing-machine. H. B. Ross. No. 1,090,236; Mar. 17; Gaz. vol. 200; p. 626.
- Planing-machine, Electrically-driven. G. E. Mason. No. 1,089,658; Mar. 10; Gaz. vol. 200; p. 386.
- Planing-machine, Hydraulic. F. L. Martineau. No. 1,098,280; May 26; Gaz. vol. 202; p. 1195.
- Planing machine, Wood-. A. W. Nelson. No. 1,111,701; Sept. 22; Gaz. vol. 206; p. 1126.
- Planing machines, Chip-breaker for wood-. H. A. Perkins. No. 1,107,182; Aug. 11; Gaz. vol. 205; p. 601.
- Plant-pot. J. E. Inman. No. 1,113,350; Oct. 13; Gaz. vol. 207; p. 370.
- Plant-protector. S. Campbell. No. 1,112,052; Sept. 29; Gaz. vol. 206; p. 1281.
- Plant-protector. A. B. Cowles. No. 1,110,377; Sept. 15; Gaz. vol. 206; p. 620.
- Plant-protector. R. Otters. No. 1,098,586; June 2; Gaz. vol. 203; p. 80.
- Plant-protector. J. W. Resh. No. 1,113,485; Oct. 13; Gaz. vol. 207; p. 420.
- Plant-protector. S. N. Slade. No. 1,117,265; Nov. 17; Gaz. vol. 208; p. 705.
- Plant-setter. J. H. Masters. No. 1,120,211; Dec. 8; Gaz. vol. 209; p. 490.
- Plant-setter, Check-row. S. S. Dillow. No. 1,083,923; Jan. 13; Gaz. vol. 198; p. 247.
- Plant-setting machines, Plant-holder for. J. Riemen-schneider. No. 1,092,454; Apr. 7; Gaz. vol. 201; p. 115.
- Plant-spacing machine. J. A. Love. No. 1,099,707; June 9; Gaz. vol. 203; p. 503.
- Planter. C. O. Anderson. No. 1,108,878; Sept. 1; Gaz. vol. 206; p. 5.
- Planter. A. Benton and C. D. Jordan. No. 1,096,217; May 12; Gaz. vol. 202; p. 390.
- Planter. D. A. Biebinge. No. 1,107,249; Aug. 18; Gaz. vol. 205; p. 673.
- Planter. J. Blue. No. 1,095,621; May 5; Gaz. vol. 202; p. 153.
- Planter. H. J. Brown. No. 1,084,532; Jan. 13; Gaz. vol. 198; p. 449.
- Planter. S. B. Christensen. No. 1,092,241; Apr. 7; Gaz. vol. 201; p. 40.
- Planter. C. P. A. Friberg. No. 1,116,813; Nov. 10; Gaz. vol. 208; p. 509.
- Planter. J. A. Gutzeit. No. 1,096,363; May 12; Gaz. vol. 202; p. 442.
- Planter. E. M. Heylman. No. 1,110,935; Sept. 15; Gaz. vol. 206; p. 817.
- Planter. G. Leischner. No. 1,106,879; Aug. 11; Gaz. vol. 205; p. 496.
- Planter. J. D. Maddux. No. 1,089,657; Mar. 10; Gaz. vol. 200; p. 386.
- Planter. C. S. Perrine. No. 1,107,224; Aug. 11; Gaz. vol. 205; p. 616.
- Planter. T. W. Suggs. No. 1,089,286; Mar. 3; Gaz. vol. 200; p. 209.
- Planter. T. W. Suggs. No. 1,097,064; May 19; Gaz. vol. 202; p. 726.
- Planter and cultivator. G. C. Knight. No. 1,085,438; Jan. 27; Gaz. vol. 198; p. 825.
- Planter and fertilizer-distributor, Combined. M. P. Briscoe. No. 1,115,777; Nov. 3; Gaz. vol. 208; p. 104.
- Planter and fertilizer-distributor, Combined. N. C. Cross. No. 1,090,284; Mar. 17; Gaz. vol. 200; p. 642.
- Planter and fertilizer-distributor, Combined. E. Ellis. No. 1,093,321; Apr. 14; Gaz. vol. 201; p. 447.
- Planter and fertilizer-distributor, Combined seed-. A. J. Burkett. No. 1,087,211; Feb. 17; Gaz. vol. 199; p. 663.
- Planter and fertilizer-distributor, Combined seed-. T. C. Wilson. No. 1,099,782; June 9; Gaz. vol. 203; p. 527.
- Planter attachment. R. J. Altgelt. No. 1,084,307; Jan. 13; Gaz. vol. 198; p. 379.
- Planter attachment. J. A. Johnson. No. 1,083,446; Jan. 6; Gaz. vol. 198; p. 63.
- Planter attachment. A. E. Schadt. No. 1,085,635; Feb. 3; Gaz. vol. 199; p. 20.

Alphabetical list of inventions—Continued.

- Planter attachment, Corn-. J. B. Allbee. No. 1,089,893; Mar. 10; Gaz. vol. 200; p. 466.
- Planter attachment, Corn-. J. Carney. No. 1,116,381; Nov. 10; Gaz. vol. 208; p. 352.
- Planter attachment, Corn-. D. R. Darnell. No. 1,117,343; Nov. 17; Gaz. vol. 208; p. 734.
- Planter attachment, Corn-. R. R. Dewey. No. 1,091,879; Mar. 31; Gaz. vol. 200; p. 1265.
- Planter, Corn-. F. F. and R. U. Hall. No. 1,119,152; Dec. 1; Gaz. vol. 209; p. 88.
- Planter attachment, Corn-. H. S. Lubben. No. 1,091,068; Mar. 24; Gaz. vol. 200; p. 944.
- Planter attachment, Seed-. J. J. Hooks. No. 1,102,924; July 7; Gaz. vol. 204; p. 243.
- Planter attachment, Seed-. E. M. Lusk. No. 1,114,495; Oct. 20; Gaz. vol. 207; p. 815.
- Planter, Check-row. W. B. Hampton. No. 1,111,577; Sept. 22; Gaz. vol. 206; p. 1082.
- Planter, Check-row. L. J. Helgeson. No. 1,084,432; Jan. 13; Gaz. vol. 198; p. 418.
- Planter, Check-row corn-. W. E. Gilroy. No. 1,103,357; July 14; Gaz. vol. 204; p. 442.
- Planter, Check-row corn-. M. H. Zirkle. No. 1,100,465; June 16; Gaz. vol. 203; p. 801.
- Planter, Check-row cotton-. W. G. Johnson. No. 1,101,801; June 30; Gaz. vol. 203; p. 1365.
- Planter clutch mechanism, Corn-. E. M. Heylman. No. 1,109,067; Sept. 1; Gaz. vol. 206; p. 74.
- Planter, Corn-. J. Bahner. No. 1,095,136; Apr. 28; Gaz. vol. 201; p. 1163.
- Planter, Corn-. J. H. Boehme and G. E. Holden. No. 1,089,458; Mar. 10; Gaz. vol. 200; p. 315.
- Planter, Corn-. K. Botnen. No. 1,087,918; Feb. 24; Gaz. vol. 199; p. 954.
- Planter, Corn-. L. M. Buchanan. No. 1,099,337; June 9; Gaz. vol. 203; p. 376.
- Planter, Corn-. H. Christoffersen. No. 1,086,511; Feb. 10; Gaz. vol. 199; p. 370.
- Planter, Corn-. J. Corcoran. No. 1,093,978; Apr. 21; Gaz. vol. 201; p. 705.
- Planter, Corn-. I. W. Douglas. No. 1,092,030; Mar. 31; Gaz. vol. 200; p. 1312.
- Planter, Corn-. H. F. Durow. No. 1,099,972; June 16; Gaz. vol. 203; p. 629.
- Planter, Corn-. W. F. Engelman. No. 1,106,373; Aug. 11; Gaz. vol. 205; p. 316.
- Planter, Corn-. A. J. Felsman. No. 1,111,220; Sept. 22; Gaz. vol. 206; p. 959.
- Planter, Corn-. E. H. Hutton. No. 1,115,544; Nov. 3; Gaz. vol. 208; p. 27.
- Planter, Corn-. J. M. Jefferis. No. 1,105,665; Aug. 4; Gaz. vol. 205; p. 27.
- Planter, Corn-. P. H. Kroger, Jr. No. 1,103,299; July 14; Gaz. vol. 204; p. 421.
- Planter, Corn-. J. V. Marlen. No. 1,113,802; Oct. 13; Gaz. vol. 207; p. 528.
- Planter, Corn-. J. R. Mulder. No. 1,104,214; July 21; Gaz. vol. 204; p. 779.
- Planter, Corn-. A. Noel. No. 1,097,351; May 19; Gaz. vol. 202; p. 827.
- Planter, Corn-. S. C. and R. F. Oden. No. 1,089,071; Mar. 3; Gaz. vol. 200; p. 136.
- Planter, Corn-. H. N. Randall. No. 1,114,385; Oct. 20; Gaz. vol. 207; p. 773.
- Planter, Corn-. F. H. Reeder. No. 1,092,539; Apr. 7; Gaz. vol. 201; p. 143.
- Planter, Corn-. H. Schlicht. No. 1,089,590; Mar. 10; Gaz. vol. 200; p. 362.
- Planter, Corn-. J. Sertic. No. 1,084,564; Jan. 13; Gaz. vol. 198; p. 462.
- Planter, Corn-. L. G. Vogt and J. H. Kundert. No. 1,095,754; May 5; Gaz. vol. 202; p. 199.
- Planter, Corn-. P. Weymann and G. Gillitzer. No. 1,097,574; May 19; Gaz. vol. 202; p. 901.
- Planter, Cotton-. G. A. De Kay. No. 1,107,044; Aug. 11; Gaz. vol. 205; p. 551.
- Planter, Cotton-. D. C. Gramling. No. 1,087,010; Feb. 10; Gaz. vol. 199; p. 542.
- Planter, Hand-. E. Christensen. No. 1,120,598; Dec. 8; Gaz. vol. 209; p. 627.
- Planter, Hand-. J. W. Riordan. No. 1,094,595; Apr. 28; Gaz. vol. 201; p. 975.
- Planter, Hand corn-. J. Sommer. No. 1,083,414; Jan. 6; Gaz. vol. 198; p. 53.
- Planter land-marker. F. G. Carpenter. No. 1,097,611; May 26; Gaz. vol. 202; p. 958.
- Planter marker, Corn-. J. C. Gillespie. No. 1,101,627; June 30; Gaz. vol. 203; p. 1306.
- Planter marker, Corn-. L. J. Lindsay. No. 1,103,593; July 14; Gaz. vol. 204; p. 524.
- Planter-marker lifter, Corn-. L. Bollenbach. No. 1,085,374; Jan. 27; Gaz. vol. 198; p. 805.
- Planter marker mechanism. J. B. Bartholomew. No. 1,092,007; Mar. 31; Gaz. vol. 200; p. 1306.
- Planter marking and checking attachment, Corn-. J. D. Green and W. D. Konantz. No. 1,111,223; Sept. 22; Gaz. vol. 206; p. 960.
- Planter, Potato-. L. A. Aspinwall. No. 1,085,587; Feb. 3; Gaz. vol. 199; p. 3.
- Planter, Potato-. L. A. Aspinwall. No. 1,085,588; Feb. 3; Gaz. vol. 199; p. 3.
- Planter, Potato-. L. A. Aspinwall. No. 1,104,725; July 21; Gaz. vol. 204; p. 956.
- Planter, Seed-. W. H. Arnn. No. 1,095,773; May 5; Gaz. vol. 202; p. 206.
- Planter, Seed-. W. A. Bird. No. 1,093,376; Apr. 14; Gaz. vol. 201; p. 465.
- Planter, Seed-. I. D. Cantrell. No. 1,108,130; Aug. 25; Gaz. vol. 205; p. 1030.
- Planter, Seed-. J. Gibson. No. 1,102,038; June 30; Gaz. vol. 203; p. 1450.
- Planter, Seed-. A. B. Pace. No. 1,113,242; Oct. 13; Gaz. vol. 207; p. 331.
- Planter, Seed-. R. H. Prior. No. 1,103,831; July 14; Gaz. vol. 204; p. 606.
- Planter, Wireless check-row. B. V. Watson. No. 1,101,978; June 30; Gaz. vol. 203; p. 1427.
- Planter, Wireless corn-. I. L. Dempsey. No. 1,122,701; Dec. 29; Gaz. vol. 209; p. 1480.
- Planters, Agitating-disk for. E. M. Cole. No. 1,104,246; July 21; Gaz. vol. 204; p. 789.
- Planters, Furrow-opener for corn-. K. L. Hanson. No. 1,108,435; Aug. 25; Gaz. vol. 205; p. 1136.
- Planters, Seed-dropping mechanism for. A. D. Anderson. No. 1,109,500; Sept. 1; Gaz. vol. 206; p. 226.
- Planters, Seed-feeding mechanism for. E. M. Heylman. No. 1,111,960; Sept. 29; Gaz. vol. 206; p. 1251.
- Planters, Seed-plate for. C. L. Smith. No. 1,116,636; Nov. 10; Gaz. vol. 208; p. 446.
- Planters, Traction-wheel for. E. J. Ogden. No. 1,087,816; Feb. 17; Gaz. vol. 199; p. 874.
- Planting implement. E. A. Gross. No. 1,106,203; Aug. 4; Gaz. vol. 205; p. 216.
- Planting-machine. W. L. Beall. No. 1,116,547; Nov. 10; Gaz. vol. 208; p. 412.
- Planting-machine. J. F. Henry. No. 1,098,667; June 2; Gaz. vol. 203; p. 106.
- Planting-machine. W. E. Johnson and G. A. Pennock. No. 1,093,991; Apr. 21; Gaz. vol. 201; p. 711.
- Planting-machine. L. B. McNutt. No. 1,111,602; Sept. 22; Gaz. vol. 206; p. 1089.
- Planting-machine. C. E. Patric. No. 1,105,997; Aug. 4; Gaz. vol. 205; p. 144.
- Planting machine, Corn-. B. Hanson. No. 1,109,835; Sept. 8; Gaz. vol. 206; p. 386.
- Plaster. J. E. Fairfax. No. 1,122,891; Dec. 29; Gaz. vol. 209; p. 1548.
- Plaster. A. H. Mitchell. No. 1,107,979; Aug. 18; Gaz. vol. 205; p. 929.
- Plaster and cement base-screed, Combined. A. G. Bagnall and J. A. Taylor. No. 1,110,369; Sept. 15; Gaz. vol. 206; p. 617.
- Plaster and the like from lime wastage, Making a retarder for. C. H. Campbell. No. 1,106,778; Aug. 11; Gaz. vol. 205; p. 461.
- Plaster-boards to metallic studding, Yoking-clip for securing. M. H. Jester. No. 1,101,553; June 30; Gaz. vol. 203; p. 1280.
- Plaster composition. J. E. Fairfax. No. 1,099,739; June 9; Gaz. vol. 203; p. 513.
- Plaster composition for dissemination. F. C. Barton. No. 1,099,961; June 16; Gaz. vol. 203; p. 626.
- Plaster-hook. C. A. Ford. No. 1,099,741; June 9; Gaz. vol. 203; p. 514.
- Plaster-key. C. B. Comstock. No. 1,085,021; Jan. 20; Gaz. vol. 198; p. 646.
- Plaster-retarder. C. H. Campbell. No. 1,106,777; Aug. 11; Gaz. vol. 205; p. 461.
- Plasterer's float. E. Olson. No. 1,121,281; Dec. 15; Gaz. vol. 209; p. 912.
- Plastering-corner. W. S. Pride. No. 1,097,935; May 26; Gaz. vol. 202; p. 1075.
- Plastering-machine. J. H. Coverdill. No. 1,103,269; July 14; Gaz. vol. 204; p. 412.
- Plastering-machine. A. G. Higgins. No. 1,100,565; June 16; Gaz. vol. 203; p. 833.
- Plastering, Making wooden latticework for. H. C. Hansen. No. 1,121,497; Dec. 15; Gaz. vol. 209; p. 987.
- Plasterings, Metal bead for. W. V. Heins. No. 1,111,153; Sept. 22; Gaz. vol. 206; p. 935.
- Plastic cake and container. J. B. Hall. No. 1,121,181; Dec. 15; Gaz. vol. 209; p. 880.
- Plastic composition. J. W. Aylsworth. No. 1,087,422; Feb. 17; Gaz. vol. 199; p. 737.
- Plastic composition. J. W. Aylsworth. No. 1,111,284; Sept. 22; Gaz. vol. 206; p. 981.
- Plastic composition. J. E. Beck. No. 1,098,216; May 26; Gaz. vol. 202; p. 1172.
- Plastic composition. J. H. Mills. No. 1,088,164; Feb. 24; Gaz. vol. 199; p. 1042.
- Plastic composition. A. S. Quick. No. 1,084,900; Jan. 20; Gaz. vol. 198; p. 605.
- Plastic composition. J. W. Taylor. No. 1,119,550; Dec. 1; Gaz. vol. 209; p. 225.
- Plastic composition and making same. J. W. Aylsworth. No. 1,102,631; July 7; Gaz. vol. 204; p. 145.
- Plastic condensation product. L. H. Friedburg. No. 1,119,592; Dec. 1; Gaz. vol. 209; p. 239.
- Plastic masses and producing the same. J. W. Aylsworth. No. 1,090,439; Mar. 17; Gaz. vol. 200; p. 699.

Alphabetical list of inventions—Continued.

- Plastic masses, Apparatus for drying articles formed from. O. Eberhard. No. 1,088,555; Feb. 24; Gaz. vol. 199; p. 1171.
- Plastic masses, Manufacture of elastic. T. S. Wennagel. No. 1,107,003; Aug. 11; Gaz. vol. 205; p. 538.
- Plastic-material-applying device. A. Spawn. No. 1,096,064; May 12; Gaz. vol. 202; p. 339.
- Plastic material, Machine for cutting and forming. A. Culuris. No. 1,118,334; Nov. 24; Gaz. vol. 208; p. 1119.
- Plastic-material mold. C. De Murgulondo. No. 1,111,567; Sept. 22; Gaz. vol. 206; p. 1078.
- Plastic-material mold. E. Fuchs. No. 1,112,284; Sept. 29; Gaz. vol. 206; p. 1362.
- Plastic mixtures, Mixing. A. V. Jensen. No. 1,096,785; May 12; Gaz. vol. 202; p. 582.
- Plastic phenolic condensation product and forming the same. J. W. Aylsworth. No. 1,102,634; July 7; Gaz. vol. 204; p. 145.
- Plastic substance, Production of. J. W. Aylsworth. No. 1,111,288; Sept. 22; Gaz. vol. 206; p. 982.
- Plastic substances, Apparatus for manufacture of objects from. O. Eberhard. No. 1,095,979; May 5; Gaz. vol. 202; p. 273.
- Plastic substances, Continuous mechanical manufacture of objects from. O. Eberhard. No. 1,083,275; Jan. 6; Gaz. vol. 198; p. 5.
- Plastics, Marking device for. C. P. Loveland. No. 1,099,185; June 9; Gaz. vol. 203; p. 322.
- Plate-bending machine. R. T. Johnston. No. 1,116,436; Nov. 10; Gaz. vol. 208; p. 371.
- Plate-edge joint. C. Bartels. No. 1,107,477; Aug. 18; Gaz. vol. 205; p. 755.
- Plate for beams and ceilings. Cove. W. M. Anderson. No. 1,120,009; Dec. 8; Gaz. vol. 209; p. 417.
- Plate-holder. J. F. Reney. No. 1,097,189; May 19; Gaz. vol. 202; p. 768.
- Plate-holding device. W. B. Walt. No. 1,090,664; Mar. 17; Gaz. vol. 200; p. 775.
- Plate-holding device. F. W. Weston. No. 1,108,646; Aug. 25; Gaz. vol. 205; p. 1209.
- Plate, Hot-. S. A. Schewczik. No. 1,094,256; Apr. 21; Gaz. vol. 201; p. 799.
- Plate-lifter. W. Moser. No. 1,103,070; July 14; Gaz. vol. 204; p. 342.
- Plate-lifter. E. M. Watton. No. 1,118,602; Nov. 24; Gaz. vol. 208; p. 1215.
- Plate, Protector-. G. A. Inman. No. 1,119,082; Dec. 1; Gaz. vol. 209; p. 64.
- Plate-trimming machines, Gage mechanism for. B. S. Redd. No. 1,085,221; Jan. 27; Gaz. vol. 198; p. 751.
- Plate-washing machine. H. W. Rodda. No. 1,104,139; July 21; Gaz. vol. 204; p. 753.
- Plates, films, or pellicles detachably secured to a paper backing or the like, Producing. J. Blondel and A. Chopin. No. 1,105,243; July 28; Gaz. vol. 204; p. 1185.
- Plates or pipe-skelp, Method of and apparatus for shaping. A. M. Saunders. No. 1,121,670; Dec. 22; Gaz. vol. 209; p. 1084.
- Plates, Rotator for piles of. G. M. Anderson. No. 1,120,882; Dec. 15; Gaz. vol. 209; p. 774.
- Plating. C. D. Heaton. No. 1,093,698; Apr. 21; Gaz. vol. 201; p. 614.
- Plating. J. A. Smith. No. 1,104,842; July 28; Gaz. vol. 204; p. 1046.
- Plating apparatus. J. H. Jordan. No. 1,095,328; May 5; Gaz. vol. 202; p. 53.
- Platen mechanism. J. G. H. Burboa. No. 1,098,556; June 2; Gaz. vol. 203; p. 71.
- Platen-shift. M. W. Hazen. No. 1,121,098; Dec. 15; Gaz. vol. 209; p. 850.
- Platen-shift. O. Petermann. No. 1,121,036; Dec. 15; Gaz. vol. 209; p. 827.
- Platen-shift. O. Petermann. No. 1,121,039; Dec. 15; Gaz. vol. 209; p. 828.
- Platform, Dumping-. J. Hunt. No. 1,099,802; June 9; Gaz. vol. 203; p. 534.
- Platform for curved railway-stations, Extension-. J. J. Porth. No. 1,098,298; May 26; Gaz. vol. 202; p. 1201.
- Platform-operated machine. F. B. Stamm. No. 1,112,572; Oct. 6; Gaz. vol. 207; p. 57.
- Platform-wheel. J. H. Carr. No. 1,107,492; Aug. 18; Gaz. vol. 205; p. 760.
- Platform-wheel. J. H. Carr. No. 1,109,400; Sept. 1; Gaz. vol. 206; p. 194.
- Player-action, Pneumatic. E. C. Hiscock. No. 1,089,765; Mar. 10; Gaz. vol. 200; p. 422.
- Player-grand pedal. J. O. Schwarz and G. Bjorkland. No. 1,110,965; Sept. 15; Gaz. vol. 206; p. 827.
- Playing-ball. B. F. Shibe. No. 1,106,978; Aug. 11; Gaz. vol. 205; p. 530.
- Plier-wrench. J. E. Finney. No. 1,085,198; Jan. 27; Gaz. vol. 198; p. 743.
- Plier-wrench. H. R. Palmer. No. 1,086,078; Feb. 3; Gaz. vol. 199; p. 180.
- Pliers. H. A. Adams. No. 1,107,210; Aug. 11; Gaz. vol. 205; p. 611.
- Pliers. H. A. Adams. No. 1,107,243; Aug. 11; Gaz. vol. 205; p. 623.
- Pliers. A. McKaig, Sr. No. 1,116,093; Nov. 3; Gaz. vol. 208; p. 215.
- Pliers. W. Michaelis. No. 1,085,461; Jan. 27; Gaz. vol. 198; p. 833.
- Pliers. Z. B. Richard. No. 1,090,941; Mar. 24; Gaz. vol. 200; p. 899.
- Pliers. L. Schoening. No. 1,122,165; Dec. 22; Gaz. vol. 209; p. 1255.
- Pliers. W. Warringer. No. 1,111,200; Sept. 22; Gaz. vol. 206; p. 953.
- Pliers and similar tool. R. Hayden. No. 1,101,181; June 23; Gaz. vol. 203; p. 1101.
- Pliers, Combination stripping and cutting. S. E. Aaron. No. 1,096,983; May 19; Gaz. vol. 202; p. 696.
- Pliers or similar tool. W. A. Bernard. No. 1,102,384; July 7; Gaz. vol. 204; p. 56.
- Pliers, Orthodontia-. M. N. Federspiel. No. 1,108,493; Aug. 25; Gaz. vol. 205; p. 1157.
- Pliers sheath or holder. J. M. Davis. No. 1,088,406; Feb. 24; Gaz. vol. 199; p. 1123.
- Pliers, Turret-. H. A. Borresen. No. 1,110,528; Sept. 15; Gaz. vol. 206; p. 674.
- Plow. R. J. Altgelt and C. F. Carlson. No. 1,091,788; Mar. 31; Gaz. vol. 200; p. 1233.
- Plow. H. R. Boals. No. 1,083,428; Jan. 6; Gaz. vol. 198; p. 58.
- Plow. C. E. Bogle. No. 1,107,482; Aug. 18; Gaz. vol. 205; p. 756.
- Plow. W. H. Bonkemeyer. No. 1,106,186; Aug. 4; Gaz. vol. 205; p. 210.
- Plow. A. E. Bost. No. 1,085,533; Jan. 27; Gaz. vol. 198; p. 856.
- Plow. J. M. Brasington. No. 1,107,403; Aug. 18; Gaz. vol. 205; p. 728.
- Plow. W. G. Buck. No. 1,095,308; May 5; Gaz. vol. 202; p. 46.
- Plow. R. C. Caughey. No. 1,090,134; Mar. 17; Gaz. vol. 200; p. 589.
- Plow. J. C. Chambers. No. 1,113,150; Oct. 6; Gaz. vol. 207; p. 255.
- Plow. R. J. Cowan. No. 1,120,603; Dec. 8; Gaz. vol. 209; p. 628.
- Plow. J. W. Crain. No. 1,092,632; Apr. 7; Gaz. vol. 201; p. 176.
- Plow. J. P. Dalsing. No. 1,102,326; July 7; Gaz. vol. 204; p. 37.
- Plow. F. E. Davis. No. 1,097,396; May 19; Gaz. vol. 202; p. 842.
- Plow. J. V. Edwards. No. 1,097,920; May 26; Gaz. vol. 202; p. 1070.
- Plow. W. L. Faulkner. No. 1,091,920; Mar. 31; Gaz. vol. 200; p. 1279.
- Plow. D. H. Floyd. No. 1,105,264; July 28; Gaz. vol. 204; p. 1192.
- Plow. E. O. Gay. No. 1,113,982; Oct. 20; Gaz. vol. 207; p. 629.
- Plow. J. Heffner. No. 1,109,527; Sept. 1; Gaz. vol. 206; p. 234.
- Plow. E. M. Heylman. No. 1,095,574; May 5; Gaz. vol. 202; p. 137.
- Plow. W. S. Hiett. No. 1,118,933; Dec. 1; Gaz. vol. 209; p. 10.
- Plow. E. W. Hollingsworth. No. 1,108,174; Aug. 25; Gaz. vol. 205; p. 1045.
- Plow. J. Hosl. No. 1,099,300; June 9; Gaz. vol. 203; p. 361.
- Plow. T. F. James. No. 1,094,791; Apr. 28; Gaz. vol. 201; p. 1044.
- Plow. E. B. James. No. 1,110,290; Sept. 8; Gaz. vol. 206; p. 550.
- Plow. W. Kaselowsky. No. 1,115,679; Nov. 3; Gaz. vol. 208; p. 73.
- Plow. T. G. King. No. 1,117,400; Nov. 17; Gaz. vol. 208; p. 754.
- Plow. P. Krug. No. 1,113,656; Oct. 13; Gaz. vol. 207; p. 476.
- Plow. C. E. Lease and C. Jacobson. No. 1,093,139; Apr. 14; Gaz. vol. 201; p. 384.
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- Plow. M. N. Lenning. No. 1,115,217; Oct. 27; Gaz. vol. 207; p. 1122.
- Plow. M. Mares. No. 1,118,566; Nov. 24; Gaz. vol. 208; p. 1203.
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- Plow. C. H. Melvin. No. 1,112,149; Sept. 29; Gaz. vol. 206; p. 1314.
- Plow. C. H. Melvin. No. 1,112,150; Sept. 29; Gaz. vol. 206; p. 1315.
- Plow. J. A. Murden. No. 1,117,079; Nov. 10; Gaz. vol. 208; p. 600.
- Plow. O. L. K. H. Oldenburg. No. 1,094,240; Apr. 21; Gaz. vol. 201; p. 793.
- Plow. J. E. Pearce. No. 1,111,613; Sept. 22; Gaz. vol. 206; p. 1093.
- Plow. F. A. Polzin. No. 1,120,531; Dec. 8; Gaz. vol. 209; p. 602.
- Plow. S. D. Poole. No. 1,112,148; Sept. 29; Gaz. vol. 206; p. 1314.
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- Plow, H. F. Salge. No. 1,093,294; Apr. 14; Gaz. vol. 201; p. 437.
- Plow, V. E. Sapp. No. 1,117,448; Nov. 17; Gaz. vol. 208; p. 770.
- Plow, H. Schlicht. No. 1,113,494; Oct. 13; Gaz. vol. 207; p. 422.
- Plow, T. N. Seay. No. 1,122,033; Dec. 22; Gaz. vol. 209; p. 1213.
- Plow, J. F. Sheahan. No. 1,120,856; Dec. 15; Gaz. vol. 209; p. 764.
- Plow, W. N. Springer. No. 1,084,972; Jan. 20; Gaz. vol. 198; p. 629.
- Plow, G. A. Stanberg. No. 1,090,760; Mar. 17; Gaz. vol. 200; p. 804.
- Plow, S. Stegall. No. 1,119,199; Dec. 1; Gaz. vol. 209; p. 105.
- Plow, C. R. Stephens. No. 1,104,569; July 21; Gaz. vol. 204; p. 904.
- Plow, C. G. Strandlund. No. 1,119,998; Dec. 8; Gaz. vol. 209; p. 414.
- Plow, C. J. Tuseh. No. 1,106,526; Aug. 11; Gaz. vol. 205; p. 372.
- Plow, A. M. White. No. 1,094,282; Apr. 21; Gaz. vol. 201; p. 806.
- Plow, J. B. Wood. No. 1,087,205; Feb. 17; Gaz. vol. 199; p. 660.
- Plow-adjusting mechanism. O. F. Smith and A. C. Lindgren. No. 1,103,543; July 14; Gaz. vol. 204; p. 504.
- Plow and cultivator, Combined. J. A. Weeks. No. 1,109,095; Sept. 1; Gaz. vol. 206; p. 84.
- Plow and drill, Combination. B. Phelps. No. 1,113,906; Oct. 13; Gaz. vol. 207; p. 564.
- Plow and fertilizer-distributor, Combined. M. Hurlbut. No. 1,109,756; Sept. 8; Gaz. vol. 206; p. 359.
- Plow and planter, Lister. J. O. Bigham. No. 1,088,121; Feb. 24; Gaz. vol. 199; p. 1027.
- Plow and planter, Motor. G. R. Van Camp. No. 1,094,277; Apr. 21; Gaz. vol. 201; p. 805.
- Plow attachment. C. F. Carlson. No. 1,097,299; May 19; Gaz. vol. 202; p. 809.
- Plow attachment. G. Grimes. No. 1,089,637; Mar. 10; Gaz. vol. 200; p. 378.
- Plow attachment. H. W. Knight. No. 1,116,626; Nov. 10; Gaz. vol. 208; p. 513.
- Plow attachment. H. A. Maurer. No. 1,091,151; Mar. 24; Gaz. vol. 200; p. 973.
- Plow attachment. J. J. Oosterhous. No. 1,089,005; Mar. 3; Gaz. vol. 200; p. 114.
- Plow attachment. H. K. Phipps. No. 1,093,073; Apr. 14; Gaz. vol. 201; p. 360.
- Plow attachment. N. A. Roden. No. 1,107,628; Aug. 18; Gaz. vol. 205; p. 808.
- Plow attachment. D. O. Welch. No. 1,086,427; Feb. 10; Gaz. vol. 199; p. 340.
- Plow attachment, Subsoil. E. J. Forney. No. 1,122,269; Dec. 29; Gaz. vol. 209; p. 1332.
- Plow attachment, Subsoiler. C. J. Jensen. No. 1,103,293; July 14; Gaz. vol. 204; p. 419.
- Plow-beam. L. Racine. No. 1,106,582; Aug. 11; Gaz. vol. 205; p. 393.
- Plow-beam. L. E. Waterman. No. 1,107,733; Aug. 18; Gaz. vol. 205; p. 845.
- Plow-blade. D. D. Littlejohn. No. 1,115,219; Oct. 27; Gaz. vol. 207; p. 1122.
- Plow-break-pin construction. I. A. Weaver. No. 1,086,492; Feb. 10; Gaz. vol. 199; p. 363.
- Plow-coupling. F. Wilde. No. 1,101,158; June 23; Gaz. vol. 203; p. 1093.
- Plow, Disk. N. and L. Nilson. No. 1,119,862; Dec. 8; Gaz. vol. 209; p. 366.
- Plow, Disk. W. W. Weller. No. 1,096,478; May 12; Gaz. vol. 202; p. 480.
- Plow, Ditching. B. A. Jordan and E. J. te Grotenhuis. No. 1,112,215; Sept. 29; Gaz. vol. 206; p. 1339.
- Plow, Ditching. E. B. Wilson. No. 1,101,371; June 23; Gaz. vol. 203; p. 1165.
- Plow, Engine. R. C. Caughey. No. 1,090,133; Mar. 17; Gaz. vol. 200; p. 589.
- Plow, Engine gang. W. S. Graham. No. 1,084,081; Jan. 13; Gaz. vol. 198; p. 303.
- Plow, Engine gang. W. N. Springer. No. 1,101,350; June 23; Gaz. vol. 203; p. 1158.
- Plow-facing. W. A. Martin. No. 1,096,311; May 12; Gaz. vol. 202; p. 425.
- Plow-fender. C. L. Brumfield. No. 1,106,278; Aug. 4; Gaz. vol. 205; p. 239.
- Plow-fender. Z. T. Cash. No. 1,090,025; Mar. 10; Gaz. vol. 200; p. 511.
- Plow-fender-adjusting device. C. T. Sewell. No. 1,096,322; May 12; Gaz. vol. 202; p. 429.
- Plow-frame raising and lowering means. W. H. Lee. No. 1,120,825; Dec. 15; Gaz. vol. 209; p. 753.
- Plow, Gang. C. Christensen. No. 1,083,594; Jan. 6; Gaz. vol. 198; p. 111.
- Plow, Gang. W. S. Graham. No. 1,119,423; Dec. 1; Gaz. vol. 209; p. 181.
- Plow, Gang. P. M. Maloney and J. Range. No. 1,116,809; Nov. 3; Gaz. vol. 208; p. 214.
- Plow, Gang. C. W. Michael. No. 1,091,685; Mar. 31; Gaz. vol. 200; p. 1195.
- Plow, Gang. N. I. Milliken. No. 1,095,511; May 5; Gaz. vol. 202; p. 117.
- Plow, Gang. N. I. Milliken. No. 1,112,079; Sept. 29; Gaz. vol. 206; p. 1290.
- Plow, Gang. N. I. Milliken. No. 1,119,624; Dec. 1; Gaz. vol. 209; p. 250.
- Plow, Gang. A. H. Rossow and J. H. Schafer. No. 1,086,860; Feb. 10; Gaz. vol. 199; p. 494.
- Plow, Gang. W. Sobey. No. 1,106,119; Aug. 4; Gaz. vol. 205; p. 187.
- Plow, Gang. W. N. Springer. No. 1,100,503; June 16; Gaz. vol. 203; p. 813.
- Plow, Gang. W. N. Springer. No. 1,101,348; June 23; Gaz. vol. 203; p. 1158.
- Plow, Gang. W. N. Springer. No. 1,101,349; June 23; Gaz. vol. 203; p. 1158.
- Plow, Gang. W. N. Springer. No. 1,103,700; July 14; Gaz. vol. 204; p. 563.
- Plow, Gang. A. J. Wakefield. No. 1,097,111; May 19; Gaz. vol. 202; p. 741.
- Plow, Gang. D. Wentland. No. 1,109,806; Sept. 8; Gaz. vol. 206; p. 375.
- Plow, Garden. H. Schoener. No. 1,101,149; June 23; Gaz. vol. 203; p. 1090.
- Plow-guard attachment. C. R. Keck. No. 1,106,389; Aug. 11; Gaz. vol. 205; p. 321.
- Plow-harrow. J. L. Walters. No. 1,121,427; Dec. 15; Gaz. vol. 209; p. 963.
- Plow harrow attachment. F. J. Kliever. No. 1,102,058; June 30; Gaz. vol. 203; p. 1458.
- Plow-hitch, Adjustable. A. J. Waltner. No. 1,118,084; Nov. 24; Gaz. vol. 208; p. 1033.
- Plow hitches, Equalizer for traction. J. R. Hammell. No. 1,088,568; Feb. 24; Gaz. vol. 199; p. 1175.
- Plow jointer attachment. P. S. Sidell. No. 1,106,739; Aug. 11; Gaz. vol. 205; p. 447.
- Plow, Land-breaking. A. Reed. No. 1,113,691; Oct. 13; Gaz. vol. 207; p. 489.
- Plow-lift. J. M. Denning. No. 1,095,824; May 5; Gaz. vol. 202; p. 222.
- Plow-lift. W. H. C. Higgins, Jr. No. 1,112,796; Oct. 6; Gaz. vol. 207; p. 135.
- Plow-lift. L. E. Waterman. No. 1,104,750; July 21; Gaz. vol. 204; p. 964.
- Plow-lifting mechanism. W. F. Schade. No. 1,109,084; Sept. 1; Gaz. vol. 206; p. 80.
- Plow lifting or elevating mechanism. E. W. Withnell. No. 1,106,766; Aug. 11; Gaz. vol. 205; p. 456.
- Plow-line holder. A. Parrish. No. 1,118,224; Nov. 24; Gaz. vol. 208; p. 1080.
- Plow listing attachment. P. E. Hogan. No. 1,103,770; July 14; Gaz. vol. 204; p. 586.
- Plow, Mechanically-propelled. F. M. Waller. No. 1,106,603; Aug. 11; Gaz. vol. 205; p. 400.
- Plow-moldboard. J. C. Poole. No. 1,099,765; June 9; Gaz. vol. 203; p. 521.
- Plow, Motor. M. E. Courtney. No. 1,112,267; Sept. 29; Gaz. vol. 206; p. 1357.
- Plow, Motor. G. Hintze and A. Rosewick. No. 1,091,885; Mar. 31; Gaz. vol. 200; p. 1267.
- Plow, Motor. W. Meidenbauer. No. 1,113,806; Oct. 13; Gaz. vol. 207; p. 529.
- Plow, Motor. J. A. Ostenberg. No. 1,117,432; Nov. 17; Gaz. vol. 208; p. 764.
- Plow, Motor. J. P. Skripec. No. 1,105,214; July 28; Gaz. vol. 204; p. 1174.
- Plow, Motor. W. L. Walton and J. Wagar. No. 1,106,529; Aug. 11; Gaz. vol. 205; p. 373.
- Plow-mounting. I. A. Weaver. No. 1,086,491; Feb. 10; Gaz. vol. 199; p. 363.
- Plow, Orchard. C. J. Crawford. No. 1,094,196; Apr. 21; Gaz. vol. 201; p. 779.
- Plow, Orchard. D. Harvey. No. 1,106,213; Aug. 4; Gaz. vol. 205; p. 218.
- Plow-point-adjusting means. G. A. Knoblock. No. 1,118,023; Nov. 24; Gaz. vol. 208; p. 1011.
- Plow-point bolt. G. W. Turner. No. 1,088,046; Feb. 24; Gaz. vol. 199; p. 1001.
- Plow, Power-operated. E. A. Johnston and C. W. Mott. No. 1,121,844; Dec. 22; Gaz. vol. 209; p. 1145.
- Plow, Reversible. O. T. Franzel. No. 1,087,359; Feb. 17; Gaz. vol. 199; p. 715.
- Plow, Reversible. J. W. P. Hill. No. 1,114,692; Oct. 20; Gaz. vol. 207; p. 879.
- Plow, Reversible. W. Koehler. No. 1,105,032; July 28; Gaz. vol. 204; p. 1111.
- Plow, Revolving. J. Starriett. No. 1,084,908; Jan. 20; Gaz. vol. 198; p. 608.
- Plow, Rotary. J. T. Arundel. No. 1,122,461; Dec. 29; Gaz. vol. 209; p. 1395.
- Plow, Rotary spading. E. H. Cowart. No. 1,122,481; Dec. 29; Gaz. vol. 209; p. 1402.
- Plow-scraper-setting tool. E. T. Grimes. No. 1,111,896; Sept. 29; Gaz. vol. 206; p. 1232.
- Plow, Shovel. H. Koepke. No. 1,095,404; May 5; Gaz. vol. 202; p. 79.
- Plow, Shovel. W. H. Morris. No. 1,084,655; Jan. 20; Gaz. vol. 198; p. 520.

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- Plow standard, Adjustable cultivator-. J. B. Wright. No. 1,120,779; Dec. 15; Gaz. vol. 209; p. 737.
- Plow-stock. C. L. Easterling. No. 1,107,920; Aug. 18; Gaz. vol. 205; p. 908.
- Plow-stock. S. O. Neely. No. 1,095,987; May 5; Gaz. vol. 202; p. 276.
- Plow, Subsoil-. J. M. Seay. No. 1,100,920; June 23; Gaz. vol. 203; p. 1010.
- Plow, Subsoil-. G. W. Spiers. No. 1,097,147; May 19; Gaz. vol. 202; p. 755.
- Plow, Subsoil-. E. F. Stephens. No. 1,103,446; July 14; Gaz. vol. 204; p. 471.
- Plow subsoiler attachment. A. K. Jones. No. 1,116,824; Nov. 10; Gaz. vol. 203; p. 513.
- Plow, Sulky-. A. D. Baker. No. 1,100,938; June 23; Gaz. vol. 203; p. 1018.
- Plow, Sulky-. O. H. Eddy. No. 1,102,891; July 7; Gaz. vol. 204; p. 233.
- Plow, Sulky-. W. H. Lee. No. 1,109,535; Sept. 1; Gaz. vol. 206; p. 237.
- Plow, Sweep-stock. H. T. Young. No. 1,088,508; Feb. 24; Gaz. vol. 199; p. 1157.
- Plow, Traction-. W. G. Buck. No. 1,113,751; Oct. 13; Gaz. vol. 207; p. 511.
- Plow, Traction-. A. C. Lindgren. No. 1,099,456; June 9; Gaz. vol. 203; p. 416.
- Plow, Tractor-. R. J. Wilson. No. 1,092,086; Mar. 31; Gaz. vol. 200; p. 1332.
- Plow units, Raising and lowering means for gang-. W. N. Springer. No. 1,095,531; May 5; Gaz. vol. 202; p. 124.
- Plow, Wheel-. J. F. Hubler. No. 1,108,579; Aug. 25; Gaz. vol. 205; p. 1187.
- Plow, Wheel-. P. Turzik. No. 1,104,230; July 21; Gaz. vol. 204; p. 784.
- Plow, Wheeled. W. Sobey. No. 1,113,501; Oct. 13; Gaz. vol. 207; p. 424.
- Plows, Adjustable head for. A. W. Poole. No. 1,099,516; June 9; Gaz. vol. 203; p. 436.
- Plows, Adjustable subsoil attachment for. W. F. Hartig. No. 1,099,877; June 9; Gaz. vol. 203; p. 560.
- Plows, Caster-controller for wheel-. W. S. Nichols. No. 1,099,195; June 9; Gaz. vol. 203; p. 325.
- Plows, Draft attachment for. E. S. Berry. No. 1,119,226; Dec. 1; Gaz. vol. 209; p. 113.
- Plows, Draft-shifting means for sulky-. W. H. Lee. No. 1,105,593; July 28; Gaz. vol. 204; p. 1309.
- Plows, Flexible connection for gang-. W. T. Bennett. No. 1,085,190; Jan. 27; Gaz. vol. 198; p. 741.
- Plows, Hitch for gang-. D. Baskerville. No. 1,101,777; June 30; Gaz. vol. 203; p. 1356.
- Plows, Landside-protector for. J. P. Gilles. No. 1,114,687; Oct. 20; Gaz. vol. 207; p. 878.
- Plows, Leaf-lifting attachment for. J. W. Poston. No. 1,094,096; Apr. 21; Gaz. vol. 201; p. 745.
- Plows, Means for controlling the casting of the furrow-wheels of. W. H. Lee. No. 1,108,915; Sept. 1; Gaz. vol. 206; p. 19.
- Plows, Plow-lift for gang-. L. S. Hackney. No. 1,104,187; July 21; Gaz. vol. 204; p. 770.
- Plows, Plow-lift for gang-. P. Rideout. No. 1,085,298; Jan. 27; Gaz. vol. 198; p. 779.
- Plows, Plowshare-securing attachment for. E. Olson. No. 1,096,940; May 19; Gaz. vol. 202; p. 682.
- Plows, Rear-wheel attachment for. C. F. Carlson. No. 1,116,010; Nov. 3; Gaz. vol. 208; p. 187.
- Plows, Scraper attachment for wheel-. G. H. Huff. No. 1,107,952; Aug. 18; Gaz. vol. 205; p. 919.
- Plows, Seeder attachment for gang and sulky. H. Harden. No. 1,092,358; Apr. 7; Gaz. vol. 201; p. 81.
- Plows, Stalk-cutter attachment for. E. W. Lancaster. No. 1,090,400; Mar. 17; Gaz. vol. 200; p. 684.
- Plows, Steering-wheel for. J. H. Miller. No. 1,090,935; Mar. 24; Gaz. vol. 200; p. 897.
- Plows, Triple offset for. W. F. Bubb. No. 1,102,643; July 7; Gaz. vol. 204; p. 149.
- Plows, Weed and stalk turning attachment for. J. M. Shepherd. No. 1,101,717; June 30; Gaz. vol. 203; p. 1335.
- Plows, Weed-cutter for. W. J. Underwood. No. 1,102,703; July 7; Gaz. vol. 204; p. 168.
- Plows, Wheel adjustment for. E. M. Heylman. No. 1,093,990; Apr. 21; Gaz. vol. 201; p. 710.
- Plowing and pulverizing machine. W. W. Curtiss. No. 1,122,368; Dec. 29; Gaz. vol. 209; p. 1364.
- Plowing-machine, Self-propelled. E. M. Quellenec. No. 1,108,787; Aug. 25; Gaz. vol. 205; p. 1256.
- Plowshare. A. T. Minge. No. 1,099,897; June 9; Gaz. vol. 203; p. 567.
- Plowshare-clamp. B. R. Wyant. No. 1,087,156; Feb. 17; Gaz. vol. 199; p. 643.
- Plug. O. Prochazka. No. 1,121,664; Dec. 22; Gaz. vol. 209; p. 1082.
- Plug and faucet, Combined. J. E. and W. H. Howell. No. 1,109,754; Sept. 8; Gaz. vol. 206; p. 358.
- Plug and receptacle, Water-tight attachment-. V. Durbin. No. 1,117,647; Nov. 17; Gaz. vol. 208; p. 841.
- Plug and valve, Combination. G. R. Yeomans. No. 1,093,961; Apr. 21; Gaz. vol. 201; p. 700.
- Plug, Attachment-. F. C. De Reamer. No. 1,115,654; Nov. 3; Gaz. vol. 208; p. 64.
- Plug, Attachment-. E. E. Dougherty. No. 1,110,193; Sept. 8; Gaz. vol. 206; p. 515.
- Plug, Attachment-. H. R. Gilson. No. 1,123,187; Dec. 29; Gaz. vol. 209; p. 1653.
- Plug, Clean-out. J. G. Hayes. No. 1,112,136; Sept. 29; Gaz. vol. 206; p. 1310.
- Plug, Connecting-. O. M. Glunt. No. 1,097,220; May 19; Gaz. vol. 202; p. 780.
- Plug, Connector-. G. C. Knauff. No. 1,088,997; Mar. 3; Gaz. vol. 200; p. 111.
- Plug for vessels containing inflammable liquids, Safety-. E. Verneuil. No. 1,102,559; July 7; Gaz. vol. 204; p. 118.
- Plug-gage. D. P. Beckwith. No. 1,090,901; Mar. 24; Gaz. vol. 200; p. 885.
- Plug-making machine. H. Hoff. No. 1,096,718; May 12; Gaz. vol. 202; p. 560.
- Plug-puller. F. C. Hanke. No. 1,111,380; Sept. 22; Gaz. vol. 206; p. 1013.
- Plug-receptacle and plug therefor. H. R. Sargent. No. 1,111,406; Sept. 22; Gaz. vol. 206; p. 1022.
- Plug, Safety-. J. J. Barry and F. L. Street. No. 1,096,346; May 12; Gaz. vol. 202; p. 437.
- Plug, Safety-. A. C. Sanger. No. 1,089,794; Mar. 10; Gaz. vol. 200; p. 431.
- Plug, Separable attachment-. E. G. K. Anderson. No. 1,103,244; July 14; Gaz. vol. 204; p. 404.
- Plug, Separable attachment-. R. B. Benjamin. No. 1,103,250; July 14; Gaz. vol. 204; p. 406.
- Plug, Separable attachment-. R. B. Benjamin. No. 1,103,251; July 14; Gaz. vol. 204; p. 407.
- Plug, Separable attachment-. J. G. Peterson. No. 1,093,468; Apr. 14; Gaz. vol. 201; p. 494.
- Plug, Separable attachment-. C. D. Platt. No. 1,123,002; Dec. 29; Gaz. vol. 209; p. 1586.
- Plug-socket. L. J. Castonguay. No. 1,091,562; Mar. 31; Gaz. vol. 200; p. 1153.
- Plug-switch. T. E. Gambrell. No. 1,092,037; Mar. 31; Gaz. vol. 200; p. 1315.
- Plug-switch. G. K. Mitchell. No. 1,112,466; Oct. 6; Gaz. vol. 207; p. 18.
- Plug-switch and fuse, Combined. F. J. Ravlin. No. 1,121,288; Dec. 15; Gaz. vol. 209; p. 915.
- Plug, Swivel attachment-. C. D. Platt. No. 1,110,271; Sept. 8; Gaz. vol. 206; p. 543.
- Plug, Swiveled attachment-. F. E. Seeley. No. 1,103,006; July 7; Gaz. vol. 204; p. 272.
- Plumb. C. D. McCarty. No. 1,086,679; Feb. 10; Gaz. vol. 199; p. 429.
- Plumb and chalk line. J. Friendship. No. 1,098,033; May 26; Gaz. vol. 202; p. 1109.
- Plumb-bob. F. Birchbauer. No. 1,090,015; Mar. 10; Gaz. vol. 200; p. 508.
- Plumb-bob. L. R. Comstock. No. 1,110,897; Sept. 15; Gaz. vol. 206; p. 805.
- Plumb-bob. J. S. Rice. No. 1,110,146; Sept. 8; Gaz. vol. 206; p. 501.
- Plumb bob and level. R. A. Sparks. No. 1,096,517; May 12; Gaz. vol. 202; p. 493.
- Plumb-light. D. A. Wallace. No. 1,113,519; Oct. 13; Gaz. vol. 207; p. 431.
- Plumb-stock. J. J. Wartman. No. 1,110,976; Sept. 15; Gaz. vol. 206; p. 831.
- Plumber's fitting. J. W. Linbarger. No. 1,115,696; Nov. 3; Gaz. vol. 208; p. 79.
- Plumber's furnace. A. J. Archambault. No. 1,090,009; Mar. 10; Gaz. vol. 200; p. 506.
- Plumber's test apparatus. J. E. Flitcroft. No. 1,116,876; Nov. 10; Gaz. vol. 208; p. 531.
- Plumbing-fitting. C. P. Huibert. No. 1,093,626; Apr. 21; Gaz. vol. 201; p. 588.
- Plumbing-fixture. I. A. Mann. No. 1,089,776; Mar. 10; Gaz. vol. 200; p. 425.
- Plumbing-fixture, Sanitary. W. W. Calhoun. No. 1,102,136; June 30; Gaz. vol. 203; p. 1484.
- Plumbing-passageways, Device for removing obstructions from. J. A. Morrison and J. H. Levin. No. 1,093,066; Apr. 14; Gaz. vol. 201; p. 357.
- Plumbing-testing appliance. H. F. Shade. No. 1,088,459; Feb. 24; Gaz. vol. 199; p. 1141.
- Plume, Artificial. C. H. Staat. No. 1,095,532; May 5; Gaz. vol. 202; p. 124.
- Plume-drying apparatus. H. Méthot. No. 1,110,452; Sept. 15; Gaz. vol. 206; p. 648.
- Plunge-bath. J. F. Booraem and G. E. Rohmer. No. 1,091,798; Mar. 31; Gaz. vol. 200; p. 1236.
- Plunger-elevator. J. S. Hoyt. No. 1,118,347; Nov. 24; Gaz. vol. 208; p. 1124.
- Plunger for jigs. S. V. Tench. No. 1,085,509; Jan. 27; Gaz. vol. 198; p. 848.
- Plural-cylinder engine. R. H. White. No. 1,103,639; July 14; Gaz. vol. 204; p. 541.
- Pneumatic action. H. H. Holtkamp. No. 1,100,568; June 16; Gaz. vol. 203; p. 834.
- Pneumatic action. A. H. Hoppert. No. 1,087,769; Feb. 17; Gaz. vol. 199; p. 858.
- Pneumatic action. A. A. Steinhilber. No. 1,107,554; Aug. 18; Gaz. vol. 205; p. 780.

Alphabetical list of inventions—Continued.

- Pneumatic - apparatus lubricator. E. A. Emery. No. 1,099,242; June 9; Gaz. vol. 203; p. 342.
- Pneumatic apparatus, Tension-governor for. F. W. Wood. No. 1,115,999; Nov. 3; Gaz. vol. 208; p. 182.
- Pneumatic brake. F. J. Chapsal and A. L. E. Saillet. No. 1,083,521; Jan. 6; Gaz. vol. 198; p. 86.
- Pneumatic bulb. I. F. Kepler. No. 1,088,663; Feb. 24; Gaz. vol. 199; p. 1207.
- Pneumatic cleaner. L. L. Ferguson. No. 1,104,882; July 28; Gaz. vol. 204; p. 1060.
- Pneumatic cleaner. H. Meredith-Jones. No. 1,114,171; Oct. 20; Gaz. vol. 207; p. 698.
- Pneumatic - cleaner controller. E. F. Weirich. No. 1,099,680; June 9; Gaz. vol. 203; p. 494.
- Pneumatic cleaning systems, Service-outlet fitting for. W. S. Sutton. No. 1,096,278; May 12; Gaz. vol. 202; p. 413.
- Pneumatic-despatch apparatus. T. Bemis. No. 1,090,375; Mar. 17; Gaz. vol. 200; p. 674.
- Pneumatic-despatch apparatus. R. G. Collins, Jr. No. 1,108,136; Aug. 25; Gaz. vol. 205; p. 1032.
- Pneumatic-despatch apparatus. C. F. Stoddard. No. 1,088,109; Feb. 24; Gaz. vol. 199; p. 1023.
- Pneumatic-despatch apparatus, Apparatus for controlling the movement of carriers in. R. G. Collins, Jr. No. 1,108,137; Aug. 25; Gaz. vol. 205; p. 1032.
- Pneumatic-despatch-apparatus terminal. R. G. Collins, Jr. No. 1,102,324; July 7; Gaz. vol. 204; p. 36.
- Pneumatic - despatch system. R. G. Collins, Jr. No. 1,102,323; July 7; Gaz. vol. 204; p. 36.
- Pneumatic-despatch-tube apparatus. B. C. Batcheller. No. 1,115,770; Nov. 3; Gaz. vol. 208; p. 102.
- Pneumatic-despatch-tube apparatus. J. T. Cowley. No. 1,086,443; Feb. 10; Gaz. vol. 199; p. 346.
- Pneumatic-despatch-tube apparatus. J. T. Cowley. No. 1,102,185; June 30; Gaz. vol. 203; p. 1501.
- Pneumatic-despatch-tube apparatus. M. L. Emerson. No. 1,107,661; Aug. 18; Gaz. vol. 205; p. 820.
- Pneumatic-despatch-tube apparatus. M. L. Emerson. No. 1,109,827; Sept. 8; Gaz. vol. 206; p. 382.
- Pneumatic-despatch-tube apparatus. E. A. Fordyce. No. 1,106,346; Aug. 4; Gaz. vol. 205; p. 262.
- Pneumatic-despatch-tube apparatus. A. W. Pearsall. No. 1,102,165; June 30; Gaz. vol. 203; p. 1494.
- Pneumatic-despatch-tube apparatus. A. W. Pearsall. No. 1,102,225; June 30; Gaz. vol. 203; p. 1517.
- Pneumatic-despatch-tube apparatus. A. W. Pearsall. No. 1,107,547; Aug. 18; Gaz. vol. 205; p. 777.
- Pneumatic-despatch-tube apparatus. A. W. Pearsall. No. 1,122,629; Dec. 29; Gaz. vol. 209; p. 1454.
- Pneumatic - despatch - tube - apparatus - controlling mechanism. A. W. Pearsall. No. 1,097,559; May 19; Gaz. vol. 202; p. 896.
- Pneumatic-despatch-tube selective system. F. G. Whittier. No. 1,108,293; Aug. 25; Gaz. vol. 205; p. 1088.
- Pneumatic-despatch-tube system. F. E. D'Humy. No. 1,090,907; Mar. 24; Gaz. vol. 200; p. 887.
- Pneumatic - despatch - tube systems, Apparatus to indicate the stoppage of carriers in the transmission-tubes of. J. F. Skirrow. No. 1,087,329; Feb. 17; Gaz. vol. 199; p. 705.
- Pneumatic drier. J. M. Ward. No. 1,108,285; Aug. 25; Gaz. vol. 205; p. 1085.
- Pneumatic engine or tool. J. D. MacDonald. No. 1,110,067; Sept. 8; Gaz. vol. 206; p. 469.
- Pneumatic jack. J. H. Behrens. No. 1,119,224; Dec. 1; Gaz. vol. 209; p. 113.
- Pneumatic jack. N. B. Wales. No. 1,108,952; Sept. 1; Gaz. vol. 206; p. 33.
- Pneumatic lock. J. C. Messick. No. 1,085,058; Jan. 20; Gaz. vol. 198; p. 658.
- Pneumatic player. G. W. and R. Paulson. No. 1,100,611; June 16; Gaz. vol. 203; p. 848.
- Pneumatic player-action. G. W. and R. Paulson. No. 1,094,808; Apr. 28; Gaz. vol. 201; p. 1050.
- Pneumatic potential-producing means. J. A. Johnson and C. M. Hedman. No. 1,096,305; May 12; Gaz. vol. 202; p. 422.
- Pneumatic renovating - machine. A. T. Noé. No. 1,096,743; May 12; Gaz. vol. 202; p. 569.
- Pneumatic rock-drill. C. J. Smith. No. 1,119,198; Dec. 1; Gaz. vol. 209; p. 104.
- Pneumatic-service-system regulator. J. J. Stoetzel. No. 1,104,228; July 21; Gaz. vol. 204; p. 783.
- Pneumatic spring. A. Sharp. No. 1,107,714; Aug. 18; Gaz. vol. 205; p. 839.
- Pneumatic spring for vehicles or shock-absorbers. W. L. Ostendorf. No. 1,113,370; Oct. 13; Gaz. vol. 207; p. 377.
- Pneumatic-tire wheel. J. Miskey. No. 1,098,677; June 2; Gaz. vol. 203; p. 109.
- Pneumatic-tired wheel. E. Cannes. No. 1,086,805; Feb. 10; Gaz. vol. 199; p. 474.
- Pneumatic transmission. F. A. Dowler. No. 1,122,877; Dec. 29; Gaz. vol. 209; p. 1543.
- Pneumatic transmission system. F. E. D'Humy. No. 1,092,982; Apr. 14; Gaz. vol. 201; p. 329.
- Pneumatic water system. W. H. Singleton. No. 1,097,143; May 19; Gaz. vol. 202; p. 754.
- Pneumatic wheel. J. Laus, Jr. No. 1,118,786; Nov. 24; Gaz. vol. 208; p. 1276.
- Pocket. L. Z. Coolidge. No. 1,092,244; Apr. 7; Gaz. vol. 201; p. 41.
- Pocket. B. Greenwood. No. 1,091,927; Mar. 31; Gaz. vol. 200; p. 1281.
- Pocket. F. P. Prendergast. No. 1,122,636; Dec. 29; Gaz. vol. 209; p. 1457.
- Pocket. W. T. Spencer. No. 1,123,030; Dec. 29; Gaz. vol. 209; p. 1597.
- Pocket-alarm. F. Gustafson. No. 1,121,496; Dec. 15; Gaz. vol. 209; p. 986.
- Pocket-book. J. Geissler. No. 1,101,490; June 23; Gaz. vol. 203; p. 1207.
- Pocket-book. H. S. Willis. No. 1,116,660; Nov. 10; Gaz. vol. 208; p. 455.
- Pocket-book holder. G. V. A. Brown. No. 1,121,465; Dec. 15; Gaz. vol. 209; p. 976.
- Pocket-book protector. T. O. Jorgensen. No. 1,107,958; Aug. 18; Gaz. vol. 205; p. 921.
- Pocket-case. H. Seipel. No. 1,087,404; Feb. 17; Gaz. vol. 199; p. 730.
- Pocket-case. J. Zoller. No. 1,102,379; July 7; Gaz. vol. 204; p. 54.
- Pocket-clasp, Safety. C. Gleckler. No. 1,104,984; July 28; Gaz. vol. 204; p. 1094.
- Pocket-clip and eraser-holder, Combined. S. Gorson. No. 1,084,624; Jan. 20; Gaz. vol. 198; p. 510.
- Pocket-clip for retaining articles. W. L. Hoffman. No. 1,102,922; July 7; Gaz. vol. 204; p. 243.
- Pocket-closer. J. M. Flegle. No. 1,086,039; Feb. 3; Gaz. vol. 199; p. 165.
- Pocket-coupling. W. J. Geddert. No. 1,105,644; Aug. 4; Gaz. vol. 205; p. 21.
- Pocket for men's trousers, Hip. J. C. Ferry. No. 1,108,352; Aug. 25; Gaz. vol. 205; p. 1107.
- Pocket for sweaters. S. Grushlaw. No. 1,092,144; Apr. 7; Gaz. vol. 201; p. 7.
- Pocket for trousers, Safety. C. Miller. No. 1,118,789; Nov. 24; Gaz. vol. 208; p. 1277.
- Pocket-holder. I. D. Plett. No. 1,083,942; Jan. 13; Gaz. vol. 198; p. 254.
- Pocket-knife. C. U. Carlson. No. 1,120,277; Dec. 8; Gaz. vol. 209; p. 512.
- Pocket-knife. G. E. Finkenbiner. No. 1,113,893; Oct. 13; Gaz. vol. 207; p. 560.
- Pocket-knife. J. E. Fuller. No. 1,086,152; Feb. 3; Gaz. vol. 199; p. 204.
- Pocket-knife. I. E. Hotchkiss. No. 1,104,896; July 28; Gaz. vol. 204; p. 1066.
- Pocket-knife. L. B. Larsen. No. 1,087,788; Feb. 17; Gaz. vol. 199; p. 865.
- Pocket-knife. D. A. Mickleson. No. 1,098,955; June 2; Gaz. vol. 203; p. 203.
- Pocket knife and implement. S. Graboff. No. 1,117,033; Nov. 10; Gaz. vol. 208; p. 585.
- Pocket, Safety. M. Bloomenstein. No. 1,108,124; Aug. 25; Gaz. vol. 205; p. 1028.
- Pocket, Safety. J. Forman. No. 1,089,203; Mar. 3; Gaz. vol. 200; p. 183.
- Pocket, Safety. O. E. Kratz. No. 1,103,298; July 14; Gaz. vol. 204; p. 421.
- Pocket, Safety. R. G. Nicholas. No. 1,102,946; July 7; Gaz. vol. 204; p. 250.
- Pocket, Safety. M. Rudloff. No. 1,116,128; Nov. 3; Gaz. vol. 208; p. 227.
- Pocket, Safety. T. B. Ryan. No. 1,089,270; Mar. 3; Gaz. vol. 200; p. 204.
- Pocket, Safety. L. Senge. No. 1,111,678; Sept. 22; Gaz. vol. 206; p. 1117.
- Pocket, Stay. P. S. McOmber. No. 1,102,677; July 7; Gaz. vol. 204; p. 159.
- Pocket, Trousers. W. H. Strobel. No. 1,116,643; Nov. 10; Gaz. vol. 208; p. 449.
- Pocket, Underwaist. I. Kaufman. No. 1,112,805; Oct. 6; Gaz. vol. 207; p. 138.
- Point-changing mechanism. P. Pestalozza. No. 1,121,200; Dec. 15; Gaz. vol. 209; p. 886.
- Point-protector for impaling instruments. J. M. Topper. No. 1,105,384; July 28; Gaz. vol. 204; p. 1238.
- Pointing-tool. H. L. Smith. No. 1,108,407; Aug. 25; Gaz. vol. 205; p. 1126.
- Poison-indicator. R. W. Bugbee. No. 1,092,016; Mar. 31; Gaz. vol. 200; p. 1308.
- Poison - protective device. W. P. Robertson. No. 1,091,441; Mar. 24; Gaz. vol. 200; p. 1067.
- Poke and weaner, Animal. W. D. Goff. No. 1,105,767; Aug. 4; Gaz. vol. 205; p. 64.
- Poke, Animal. W. Hogan. No. 1,112,289; Sept. 29; Gaz. vol. 206; p. 1364.
- Poke, Animal. W. B. Sloan. No. 1,091,972; Mar. 31; Gaz. vol. 200; p. 1295.
- Poke, Animal. I. H. Williams. No. 1,091,414; Mar. 24; Gaz. vol. 200; p. 1058.
- Poker accessory. M. P. Godtfredsen. No. 1,097,799; May 26; Gaz. vol. 202; p. 1027.
- Pole. N. F. Ambursen. No. 1,121,319; Dec. 15; Gaz. vol. 209; p. 926.
- Pole. A. H. Matthew. No. 1,121,520; Dec. 15; Gaz. vol. 209; p. 995.
- Pole-anchor. S. M. Crites. No. 1,105,884; Aug. 4; Gaz. vol. 205; p. 104.

Alphabetical list of inventions—Continued.

- Pole and lamp-post, Combined. C. C. Barrick. No. 1,086,346; Feb. 10; Gaz. vol. 199; p. 314.
- Pole-base. A. Barber. No. 1,116,208; Nov. 3; Gaz. vol. 208; p. 253.
- Pole, Buggy-. B. P. Hanson and L. Grenard. No. 1,114,756; Oct. 27; Gaz. vol. 207; p. 955.
- Pole-climber. A. Bloom. No. 1,091,277; Mar. 24; Gaz. vol. 200; p. 1015.
- Pole-coupling. L. O. Oveson. No. 1,097,663; May 26; Gaz. vol. 202; p. 977.
- Pole or tongue construction. J. I. Hoke. No. 1,094,330; Apr. 21; Gaz. vol. 201; p. 821.
- Pole, Telescopic. L. O. Cooke. No. 1,109,513; Sept. 1; Gaz. vol. 206; p. 230.
- Pole-tip. E. Vaith. No. 1,117,110; Nov. 10; Gaz. vol. 208; p. 611.
- Pole, Transmission-. R. L. Lusk and F. S. Marbury. No. 1,119,521; Dec. 1; Gaz. vol. 209; p. 215.
- Police and fire alarm system. G. L. Hughes. No. 1,105,436; July 28; Gaz. vol. 204; p. 1254.
- Police-nippers. M. A. Russell. No. 1,116,329; Nov. 3; Gaz. vol. 208; p. 293.
- Polish-receptacle. G. Obad. No. 1,115,095; Oct. 27; Gaz. vol. 207; p. 1077.
- Polisher. M. Goodwin. No. 1,118,546; Nov. 24; Gaz. vol. 208; p. 1196.
- Polishing and cleaning device. M. Uno. No. 1,118,080; Nov. 24; Gaz. vol. 208; p. 1032.
- Polishing appliance. J. P. Robertson. No. 1,083,860; Jan. 6; Gaz. vol. 198; p. 196.
- Polishing composition. J. W. Aylsworth. No. 1,090,440; Mar. 17; Gaz. vol. 200; p. 699.
- Polishing device. J. C. Blevney. No. 1,094,361; Apr. 21; Gaz. vol. 201; p. 830.
- Polishing device. W. H. Davids. No. 1,086,809; Feb. 10; Gaz. vol. 199; p. 476.
- Polishing-machine. C. W. Beam. No. 1,089,456; Mar. 10; Gaz. vol. 200; p. 315.
- Polishing-machine. C. W. Beam. (Reissue.) No. 13,706; Mar. 31; Gaz. vol. 200; p. 1348.
- Polishing-machine. H. Levine. No. 1,104,684; July 21; Gaz. vol. 204; p. 941.
- Polishing plated flat-ware. P. B. Noyes. No. 1,085,933; Feb. 3; Gaz. vol. 199; p. 126.
- Polishing-stones, Manufacture of. G. A. Undeen. No. 1,099,831; June 9; Gaz. vol. 203; p. 543.
- Polishing-wheel. A. A. Blount and C. M. Padula. No. 1,119,743; Dec. 1; Gaz. vol. 209; p. 288.
- Polishing-wheel. D. F. McGovern. No. 1,105,088; July 28; Gaz. vol. 204; p. 1132.
- Polishing-wheel. D. F. McGovern. No. 1,105,089; July 28; Gaz. vol. 204; p. 1132.
- Polo-bag. B. H. Grant. No. 1,092,833; Apr. 14; Gaz. vol. 201; p. 279.
- Polyarseno compounds and making same. P. Ehrlich and A. Bertheim. No. 1,100,720; June 23; Gaz. vol. 203; p. 940.
- Polychrome screen and making the same. R. Ruth and A. Schuller. No. 1,091,443; Mar. 24; Gaz. vol. 200; p. 1068.
- Polychromic-screen negatives, Copying from. A. Lehner. No. 1,113,359; Oct. 13; Gaz. vol. 207; p. 373.
- Polychromic surfaces, Manufacture of. A. Lehner. No. 1,112,541; Oct. 6; Gaz. vol. 207; p. 46.
- Polycycle, Figure-. L. G. Wagner and W. G. Lohmeyer. No. 1,100,411; June 16; Gaz. vol. 203; p. 783.
- Polycycles, Adjustable crank-hanger for. C. S. Ruff. No. 1,093,729; Apr. 21; Gaz. vol. 201; p. 624.
- Polycycles, Propulsion device for. M. McGowan. No. 1,097,659; May 26; Gaz. vol. 202; p. 976.
- Pompon-making machine. J. C. Wilson. No. 1,094,042; Apr. 21; Gaz. vol. 201; p. 726.
- Pond-cleaner. C. Decker. No. 1,087,732; Feb. 17; Gaz. vol. 199; p. 848.
- Pontianak, Treating. A. R. Ellison. No. 1,104,744; July 21; Gaz. vol. 204; p. 963.
- Pool and billiard cue chalker, Automatic. F. M. Tillou. No. 1,103,852; July 14; Gaz. vol. 204; p. 613.
- Pool and billiard tables, Pocket-iron for. A. E. Haase. No. 1,101,847; June 30; Gaz. vol. 203; p. 1381.
- Pool-ball. V. B. Hubbell. No. 1,108,441; Aug. 25; Gaz. vol. 205; p. 1137.
- Pool-ball frame. A. R. Dickinson. No. 1,115,911; Nov. 3; Gaz. vol. 208; p. 152.
- Pool or other game frame. T. J. Madigan. No. 1,089,140; Mar. 3; Gaz. vol. 200; p. 162.
- Pool-table attachment. M. S. Post and T. La Fayette. No. 1,089,262; Mar. 3; Gaz. vol. 200; p. 201.
- Pool-table attachment. O. E. Swick. No. 1,114,202; Oct. 20; Gaz. vol. 207; p. 709.
- Popcorn-cake machine. W. T. Moss. No. 1,109,861; Sept. 8; Gaz. vol. 206; p. 396.
- Popcorn stirring and coating machine. T. D. Palmer. No. 1,098,395; June 2; Gaz. vol. 203; p. 13.
- Porcelain and similar substances in continuous furnaces with movable hearths, Apparatus for baking. E. G. Faugeron. No. 1,103,184; July 14; Gaz. vol. 204; p. 384.
- Porcelain-kiln. H. C. Kapelle. No. 1,108,585; Aug. 25; Gaz. vol. 205; p. 1190.
- Porous and fibrous material, Treating. G. D. Burton. No. 1,123,166; Dec. 29; Gaz. vol. 209; p. 1645.
- Port-holes and the like, Means for closing and locking. W. V. Gilbert. No. 1,111,571; Sept. 22; Gaz. vol. 206; p. 1079.
- Portable apparatus. R. F. Boyle. No. 1,102,133; June 30; Gaz. vol. 203; p. 1483.
- Portable bath. C. A. Rensch. No. 1,104,314; July 21; Gaz. vol. 204; p. 812.
- Portable chair. M. Béni. No. 1,085,659; Feb. 3; Gaz. vol. 199; p. 28.
- Portable drill. H. J. and T. P. Kimman. No. 1,112,070; Sept. 29; Gaz. vol. 206; p. 1287.
- Portable elevator. J. V. Cizek. No. 1,114,112; Oct. 20; Gaz. vol. 207; p. 676.
- Portable elevator. T. S. McLendon. No. 1,108,771; Aug. 25; Gaz. vol. 205; p. 1251.
- Portable elevator. J. Steever. No. 1,110,239; Sept. 8; Gaz. vol. 206; p. 532.
- Portable elevator, Sectional. W. E. Boehck. No. 1,105,956; Aug. 4; Gaz. vol. 205; p. 129.
- Portable engine. C. H. Haeseler. No. 1,096,239; May 12; Gaz. vol. 202; p. 399.
- Portable heater. W. Lunham and W. Moore. No. 1,105,983; Aug. 4; Gaz. vol. 205; p. 139.
- Portable heater. J. T. Roberts. No. 1,100,198; June 16; Gaz. vol. 203; p. 708.
- Portable house. F. Cooper. No. 1,086,650; Feb. 10; Gaz. vol. 199; p. 419.
- Portable light. L. J. Starr and W. H. White. No. 1,095,533; May 5; Gaz. vol. 202; p. 124.
- Portable tower. C. E. Osenburg. No. 1,119,631; Dec. 1; Gaz. vol. 209; p. 252.
- Portfolio and sheet-music turner, Combined. J. A. Henebergh. No. 1,106,941; Aug. 11; Gaz. vol. 205; p. 518.
- Portfolio for displaying samples. M. Steinthal. No. 1,085,950; Feb. 3; Gaz. vol. 199; p. 133.
- Position-locating instrument. L. Crowell. No. 1,096,492; May 12; Gaz. vol. 202; p. 485.
- Positions of points from their coordinates, Means for determining. E. R. Clarke. No. 1,088,207; Feb. 24; Gaz. vol. 199; p. 1056.
- Positioning means, Article-. S. Brand. No. 1,095,977; May 5; Gaz. vol. 202; p. 272.
- Positioning mechanism. C. Wales. No. 1,122,177; Dec. 22; Gaz. vol. 209; p. 1260.
- Post: See Binding-post; Bumping-post; Cement post; Concrete post; Concrete fence-post; Conductor-post; Drilling-machine post; Fence-post; Hitching-post; Knife-post; Metal post; Telescopic post; Wood post.
- Post. E. Frantz. No. 1,091,741; Mar. 31; Gaz. vol. 200; p. 1215.
- Post. A. B. Makepeace. No. 1,096,115; May 12; Gaz. vol. 202; p. 357.
- Post. W. A. Oliphant. No. 1,094,741; Apr. 28; Gaz. vol. 201; p. 1028.
- Post. W. B. Waddelle. No. 1,097,110; May 19; Gaz. vol. 202; p. 741.
- Post-anchor. P. T. Bailey. No. 1,107,016; Aug. 11; Gaz. vol. 205; p. 541.
- Post-anchor. W. Johnson. No. 1,089,842; Mar. 10; Gaz. vol. 200; p. 448.
- Post-anchor, Metallic. C. H. Crews. No. 1,123,105; Dec. 29; Gaz. vol. 209; p. 1622.
- Post-base. A. J. McDonough. No. 1,101,307; June 23; Gaz. vol. 203; p. 1144.
- Post-card frame. H. H. Schlueter. No. 1,096,320; May 12; Gaz. vol. 202; p. 428.
- Post-hole auger. H. H. Unruh. No. 1,097,067; May 19; Gaz. vol. 202; p. 727.
- Post-hole digger. J. M. Day. No. 1,121,615; Dec. 22; Gaz. vol. 209; p. 1064.
- Post-hole digger. W. G. Stowers. No. 1,116,154; Nov. 3; Gaz. vol. 208; p. 235.
- Post-hole digger. H. E. Wendorf. No. 1,107,734; Aug. 18; Gaz. vol. 205; p. 845.
- Post-hole digger, Automobile. F. Mueller. No. 1,108,102; Aug. 18; Gaz. vol. 205; p. 973.
- Post-hole diggers, Ratchet-head for. O. H. Naville. No. 1,105,448; July 28; Gaz. vol. 204; p. 1259.
- Post-mold. W. W. Beebe. No. 1,087,481; Feb. 17; Gaz. vol. 199; p. 759.
- Post-mold. J. J. and P. A. Lorenz. No. 1,117,204; Nov. 17; Gaz. vol. 208; p. 684.
- Post-mold. Q. G. Sheldon. No. 1,111,808; Sept. 29; Gaz. vol. 206; p. 1200.
- Post mold, Corner-. V. E. Bliss. No. 1,114,674; Oct. 20; Gaz. vol. 207; p. 873.
- Post-office box. A. C. Jackson and F. Soley. No. 1,122,278; Dec. 29; Gaz. vol. 209; p. 1335.
- Post or pole. J. M. Booth. No. 1,089,459; Mar. 10; Gaz. vol. 200; p. 316.
- Posts, poles, &c., Anchor for. I. E. Clum. No. 1,090,972; Mar. 24; Gaz. vol. 200; p. 909.
- Postal-call-box system. F. E. Drake. No. 1,102,886; July 7; Gaz. vol. 204; p. 231.
- Pot: See Annealing-pot; Coffee-pot; Coffee, &c., pot; Dash-pot; Fire-pot; Flower-pot; Glass-drawing pot; Plant-pot; Pouring-pot; Reversible pot; Smudge-pot.
- Pot-filling apparatus. J. A. Bechtel. No. 1,111,557; Sept. 22; Gaz. vol. 206; p. 1074.

Alphabetical list of inventions—Continued.

- Pot-lid-supporting device. J. W. Shook. No. 1,093,489; Apr. 14; Gaz. vol. 201; p. 499.
- Pot or pail cover. A. J. Verslius. No. 1,122,557; Dec. 29; Gaz. vol. 209; p. 1428.
- Pot polisher and scraper. L. C. E. Jones. No. 1,087,776; Feb. 17; Gaz. vol. 199; p. 861.
- Potash from feldspar, Obtaining. H. P. Bassett. No. 1,091,034; Mar. 24; Gaz. vol. 200; p. 932.
- Potash salts from kelp, Obtaining. H. Wilson. No. 1,087,477; Feb. 17; Gaz. vol. 199; p. 758.
- Potassium and sodium compounds from silicates which contain alkalis, Extracting. A. Masserschmitt. No. 1,091,230; Mar. 24; Gaz. vol. 200; p. 1001.
- Potassium compounds from silicious minerals, Extracting. T. B. Stillman. No. 1,106,984; Aug. 11; Gaz. vol. 205; p. 532.
- Potassium or sodium compounds out of feldspar or mica or the like, Producing soluble. A. R. Lindblad. No. 1,083,287; Jan. 6; Gaz. vol. 198; p. 10.
- Potato-assorter. F. L. Rose. No. 1,085,162; Jan. 27; Gaz. vol. 198; p. 731.
- Potato-bug catcher. L. J. Deuster and C. Honour. No. 1,091,200; Mar. 24; Gaz. vol. 200; p. 990.
- Potato-cutter. J. A. Cummings. No. 1,118,923; Dec. 1; Gaz. vol. 209; p. 6.
- Potato-cutter. J. K. Shibata. No. 1,094,604; Apr. 28; Gaz. vol. 201; p. 976.
- Potato-cutting machine. F. C. Blair. No. 1,095,620; May 5; Gaz. vol. 202; p. 152.
- Potato-digger. J. N. Champagne. No. 1,086,892; Feb. 10; Gaz. vol. 199; p. 504.
- Potato-digger. N. Drew. No. 1,096,610; May 12; Gaz. vol. 202; p. 524.
- Potato-digger. H. W. Hitzemann. No. 1,115,537; Nov. 3; Gaz. vol. 208; p. 24.
- Potato-digger. J. Moreau. No. 1,106,669; Aug. 11; Gaz. vol. 205; p. 423.
- Potato-digger. O. Sanderson. No. 1,097,990; May 26; Gaz. vol. 202; p. 1095.
- Potato-digger. C. S. Skeem. No. 1,103,321; July 14; Gaz. vol. 204; p. 429.
- Potato-digger elevating means. T. Earwood. No. 1,113,761; Oct. 13; Gaz. vol. 207; p. 514.
- Potato hiller and weeder. C. L. Allen and B. F. Luke. No. 1,099,080; June 2; Gaz. vol. 203; p. 241.
- Potato-masher. L. L. Olson. No. 1,084,102; Jan. 13; Gaz. vol. 198; p. 310.
- Potato-sorter. E. Hellfach. No. 1,105,427; July 28; Gaz. vol. 204; p. 1251.
- Potato-sorter. O. Knoerzer. No. 1,090,817; Mar. 17; Gaz. vol. 200; p. 824.
- Potato-sorting apparatus. W. B. Hodges. No. 1,105,327; July 28; Gaz. vol. 204; p. 1215.
- Potatoes, Treating. E. Enders. No. 1,090,782; Mar. 17; Gaz. vol. 200; p. 812.
- Potential-indicator. E. F. Gehrrens. No. 1,100,723; June 23; Gaz. vol. 203; p. 941.
- Pothead. P. F. Williams. No. 1,109,726; Sept. 8; Gaz. vol. 206; p. 349.
- Pothead or end bell. H. P. Liversidge. No. 1,115,447; Oct. 27; Gaz. vol. 207; p. 1197.
- Potter's tool. P. J. Madden. No. 1,089,846; Mar. 10; Gaz. vol. 200; p. 449.
- Pouch. C. A. Humphreys. No. 1,096,537; May 12; Gaz. vol. 202; p. 500.
- Pouch and cigarette-making device, Combined. H. A. Kessler. No. 1,099,983; June 16; Gaz. vol. 203; p. 633.
- Poultry appliance. C. O. Sheldon. No. 1,095,471; May 5; Gaz. vol. 202; p. 102.
- Poultry cooling and display rack. S. C. and J. E. Wolfe. No. 1,108,055; Aug. 18; Gaz. vol. 205; p. 957.
- Poultry exerciser and feeder. J. M. Foster. No. 1,108,566; Aug. 25; Gaz. vol. 205; p. 1183.
- Poultry-fountain. C. A. P. Nordquist. No. 1,114,638; Oct. 20; Gaz. vol. 207; p. 860.
- Poultry-fountain, Thermo. W. H. Cotton. No. 1,102,572; July 7; Gaz. vol. 204; p. 124.
- Poultry-house. A. A. Kramer. No. 1,104,197; July 21; Gaz. vol. 204; p. 772.
- Poultry-killing apparatus. V. Cassard. No. 1,118,635; Nov. 24; Gaz. vol. 208; p. 1226.
- Poultry leg-band. C. A. Tegarden. No. 1,093,743; Apr. 21; Gaz. vol. 201; p. 628.
- Poultry-marker. C. O. Deist. No. 1,084,407; Jan. 13; Gaz. vol. 198; p. 410.
- Poultry, Self-feeder and drinking-fountain for. J. Schlichtinger. No. 1,091,392; Mar. 24; Gaz. vol. 200; p. 1051.
- Pouring-pot. W. P. Tarrant. No. 1,086,796; Feb. 10; Gaz. vol. 199; p. 471.
- Powder, Aluminum-glazed black. F. Sparre. No. 1,116,944; Nov. 10; Gaz. vol. 208; p. 554.
- Powder, Apparatus for graining explosive. F. I. Du Pont. No. 1,116,040; Nov. 3; Gaz. vol. 208; p. 196.
- Powder-applicator. W. E. Cochenour. No. 1,114,114; Oct. 20; Gaz. vol. 207; p. 677.
- Powder-can, Sifter-top. G. W. Weber. No. 1,104,457; July 21; Gaz. vol. 204; p. 862.
- Powder, Cleaning-. E. D. Welwood. No. 1,117,732; Nov. 17; Gaz. vol. 208; p. 872.
- Powder container and dispenser. F. A. Fuller. No. 1,115,062; Oct. 27; Gaz. vol. 207; p. 1065.
- Powder-divider. J. W. Barnard and E. C. Skiles. No. 1,118,096; Nov. 24; Gaz. vol. 208; p. 1036.
- Powder, Envelop for containing and dispensing. B. P. Richardson. No. 1,123,010; Dec. 29; Gaz. vol. 209; p. 1589.
- Powder for the removal of stains, incrustations, &c., Cleaning and disinfecting. L. A. Mattes. No. 1,118,209; Nov. 24; Gaz. vol. 208; p. 1076.
- Powder into spherical grains, Apparatus for forming explosive. F. I. Du Pont. No. 1,106,138; Aug. 4; Gaz. vol. 205; p. 194.
- Powder into spherical grains, Forming explosive black. F. I. and E. Du Pont. No. 1,106,087; Aug. 4; Gaz. vol. 205; p. 175.
- Powder-packaging machine. I. Z. Garfield and N. Goldfarb. No. 1,091,568; Mar. 31; Gaz. vol. 200; p. 1155.
- Powder puff and pad. W. A. Meyer. No. 1,095,998; May 5; Gaz. vol. 202; p. 280.
- Powder-puff and powder-container. A. S. Stocks. No. 1,095,171; Apr. 28; Gaz. vol. 201; p. 1177.
- Powdered substances or highly-concentrated solutions with a liquid or dissolving them in the latter, Process of and apparatus for mixing. W. Loebel and K. Franz. No. 1,098,811; June 2; Gaz. vol. 203; p. 154.
- Power and changing speed, Apparatus for transmitting. W. H. Rodefald. No. 1,117,445; Nov. 17; Gaz. vol. 208; p. 769.
- Power and heating system and process, Combined. T. G. E. Lindmark. No. 1,090,485; Mar. 17; Gaz. vol. 200; p. 714.
- Power by utilizing the force of the current in streams and the like, Chain apparatus for generating. A. Marinescu. No. 1,088,033; Feb. 24; Gaz. vol. 199; p. 997.
- Power control. E. G. Thomas. No. 1,104,019; July 21; Gaz. vol. 204; p. 711.
- Power-driven mechanisms, Control apparatus for. C. M. Manly. No. 1,112,632; Oct. 6; Gaz. vol. 207; p. 79.
- Power, Electrically-controlled animal. R. D. McCreery. No. 1,121,855; Dec. 22; Gaz. vol. 209; p. 1150.
- Power factor in a system of distribution, Maintaining a constant. A. A. Tirrill. No. 1,084,674; Jan. 20; Gaz. vol. 198; p. 528.
- Power-generating means. J. M. W. Kitchen. No. 1,117,193; Nov. 17; Gaz. vol. 208; p. 680.
- Power-generator. A. Ludwig. No. 1,093,280; Apr. 14; Gaz. vol. 201; p. 432.
- Power-generator, Atmospheric. A. J. Fandrey. No. 1,112,203; Sept. 29; Gaz. vol. 206; p. 1334.
- Power-house construction. C. P. Pond. No. 1,114,514; Oct. 20; Gaz. vol. 207; p. 821.
- Power-limiting device, Time-element. J. E. Englessen. No. 1,102,731; July 7; Gaz. vol. 204; p. 177.
- Power-limiting device, Time-element. A. Pfau. No. 1,103,891; July 14; Gaz. vol. 204; p. 627.
- Power-limiting device, Prime-mover-. J. E. Englessen. No. 1,090,520; Mar. 17; Gaz. vol. 200; p. 727.
- Power, Machine for producing multiple. J. Y. Clark. No. 1,122,687; Dec. 29; Gaz. vol. 209; p. 1476.
- Power-machine, Self-propelled. A. S. Clemons. No. 1,090,027; Mar. 10; Gaz. vol. 200; p. 512.
- Power, Means for electrically determining transmitted. W. E. McCoy and S. D. Sprong. No. 1,111,848; Sept. 29; Gaz. vol. 206; p. 1214.
- Power mechanism. P. W. Hodgkinson. No. 1,089,053; Mar. 3; Gaz. vol. 200; p. 129.
- Power mechanism, Rotary. W. B. Craig. No. 1,102,247; July 7; Gaz. vol. 204; p. 9.
- Power-operated machines, Safety device for. E. B. Stone. No. 1,111,042; Sept. 22; Gaz. vol. 206; p. 896.
- Power-operated machines, Safety device for. E. B. Stone. No. 1,111,276; Sept. 22; Gaz. vol. 296; p. 978.
- Power plant. E. C. Capper. No. 1,091,188; Mar. 24; Gaz. vol. 200; p. 986.
- Power plant. C. F. Goldsborough. No. 1,092,257; Apr. 7; Gaz. vol. 201; p. 45.
- Power-press. W. J. Bray. No. 1,121,066; Dec. 15; Gaz. vol. 209; p. 838.
- Power-press safety attachment. R. Hoelemann. No. 1,102,509; July 7; Gaz. vol. 204; p. 100.
- Power-press safety device. T. Bumann. No. 1,091,117; Mar. 24; Gaz. vol. 200; p. 960.
- Power-press safety device. M. E. Winans. No. 1,092,467; Apr. 7; Gaz. vol. 201; p. 119.
- Power-press safety-guard. J. Wright. No. 1,107,395; Aug. 18; Gaz. vol. 205; p. 724.
- Power, Process and system for producing. C. A. Sellon. No. 1,103,440; July 14; Gaz. vol. 204; p. 469.
- Power-ramp. C. Healy. No. 1,098,725; June 2; Gaz. vol. 203; p. 126.
- Power-shovel. S. M. Bishop. No. 1,100,864; June 23; Gaz. vol. 203; p. 990.
- Power-shovel. S. M. Bishop. No. 1,103,476; July 14; Gaz. vol. 204; p. 482.
- Power-shovel. W. R. Litzenberg. No. 1,083,625; Jan. 6; Gaz. vol. 198; p. 121.
- Power slip-joint-forming machine. A. O. Slentz. No. 1,121,675; Dec. 22; Gaz. vol. 209; p. 1086.

Alphabetical list of inventions—Continued.

- Power system. W. Kieser. No. 1,109,168; Sept. 1; Gaz. vol. 206; p. 111.
- Power system. M. L. Severy. No. 1,110,722; Sept. 15; Gaz. vol. 206; p. 743.
- Power, System for storing. R. A. Fessenden. No. 1,112,441; Oct. 6; Gaz. vol. 207; p. 9.
- Power transmission. A. W. Tufford. No. 1,120,867; Dec. 15; Gaz. vol. 209; p. 768.
- Power transmission and lubricator therefor. N. M. Albright. No. 1,102,709; July 7; Gaz. vol. 204; p. 170.
- Power transmission and speed-controlling device. W. P. Allen. No. 1,112,586; Oct. 6; Gaz. vol. 207; p. 63.
- Power-transmission apparatus. L. M. Dieterich. No. 1,093,922; Apr. 21; Gaz. vol. 201; p. 688.
- Power transmission, Determining. L. N. Morscher. No. 1,123,135; Dec. 29; Gaz. vol. 209; p. 1633.
- Power-transmission device. V. G. Apple. No. 1,118,616; Nov. 24; Gaz. vol. 208; p. 1220.
- Power-transmission device. C. H. Norton. No. 1,115,728; Nov. 3; Gaz. vol. 208; p. 89.
- Power-transmission gearing. V. G. Apple. No. 1,118,617; Nov. 24; Gaz. vol. 208; p. 1220.
- Power-transmission means. L. W. Davis. No. 1,107,412; Aug. 18; Gaz. vol. 205; p. 732.
- Power-transmission mechanism. J. W. Dawson. No. 1,116,028; Nov. 3; Gaz. vol. 208; p. 192.
- Power-transmission mechanism. P. Evans. No. 1,095,094; Apr. 28; Gaz. vol. 201; p. 1148.
- Power-transmission mechanism. B. A. Gramm. No. 1,109,584; Sept. 1; Gaz. vol. 206; p. 254.
- Power-transmission mechanism. A. Greenburg. No. 1,109,218; Sept. 1; Gaz. vol. 206; p. 128.
- Power-transmission mechanism. E. A. Halbleib. No. 1,101,539; June 30; Gaz. vol. 203; p. 1274.
- Power-transmission mechanism. E. A. Halbleib. No. 1,105,904; Aug. 4; Gaz. vol. 205; p. 110.
- Power-transmission mechanism. E. A. Halbleib. No. 1,119,151; Dec. 1; Gaz. vol. 209; p. 88.
- Power-transmission mechanism. J. H. Hollen. No. 1,083,402; Jan. 6; Gaz. vol. 198; p. 48.
- Power-transmission mechanism. J. A. McGee. No. 1,092,932; Apr. 14; Gaz. vol. 201; p. 313.
- Power-transmission mechanism. H. B. Ross. No. 1,087,891; Feb. 17; Gaz. vol. 199; p. 898.
- Power-transmission mechanism. M. J. G. Schoedelin. No. 1,106,246; Aug. 4; Gaz. vol. 205; p. 228.
- Power-transmission mechanism, Control system for. N. Taylor. No. 1,102,557; July 7; Gaz. vol. 204; p. 117.
- Power-transmission mechanism, Differential. A. Sundh. No. 1,099,472; June 9; Gaz. vol. 203; p. 422.
- Power transmission, Portable. A. Lee. No. 1,089,485; Mar. 10; Gaz. vol. 200; p. 325.
- Power transmission, Variable-speed fluid. O. N. Cribb. No. 1,100,288; June 16; Gaz. vol. 203; p. 740.
- Power-transmitter, Pneumatic. F. M. Prather. No. 1,098,300; May 26; Gaz. vol. 202; p. 1202.
- Power-transmitting apparatus. W. H. Rodefild. No. 1,117,446; Nov. 17; Gaz. vol. 208; p. 769.
- Power-transmitting apparatus. J. Trainer. No. 1,122,818; Dec. 29; Gaz. vol. 209; p. 1522.
- Power-transmitting apparatus, Hydraulic. C. R. Radcliffe. No. 1,121,397; Dec. 15; Gaz. vol. 209; p. 952.
- Power-transmitting apparatus, Hydraulic. C. R. Radcliffe. No. 1,122,302; Dec. 29; Gaz. vol. 209; p. 1342.
- Power-transmitting apparatus, Hydraulic. C. R. Radcliffe. No. 1,122,303; Dec. 29; Gaz. vol. 209; p. 1343.
- Power-transmitting device. N. Herzmark. No. 1,100,482; June 16; Gaz. vol. 203; p. 806.
- Power-transmitting device. P. B. Laskey. No. 1,086,674; Feb. 10; Gaz. vol. 199; p. 427.
- Power-transmitting device. J. A. Serrell. No. 1,111,865; Sept. 29; Gaz. vol. 206; p. 1221.
- Power-transmitting device. E. and L. C. Upton. No. 1,106,903; Aug. 11; Gaz. vol. 205; p. 505.
- Power-transmitting device, Spiral-gear. C. H. Warner. No. 1,088,947; Mar. 3; Gaz. vol. 200; p. 95.
- Power-transmitting device, Variable-speed. A. H. Jessen. No. 1,105,792; Aug. 4; Gaz. vol. 205; p. 71.
- Power-transmitting mechanism. V. G. Apple. No. 1,116,970; Nov. 10; Gaz. vol. 208; p. 562.
- Power-transmitting mechanism. W. C. Baker. No. 1,110,033; Sept. 8; Gaz. vol. 206; p. 457.
- Power-transmitting mechanism. W. C. Baker. No. 1,110,101; Sept. 8; Gaz. vol. 206; p. 482.
- Power-transmitting mechanism. E. B. Cantrell and G. E. Miller. No. 1,090,383; Mar. 17; Gaz. vol. 200; p. 677.
- Power-transmitting mechanism. O. Keck. No. 1,085,343; Jan. 27; Gaz. vol. 198; p. 794.
- Power-transmitting mechanism. F. A. and R. F. Kinmont. No. 1,097,333; May 19; Gaz. vol. 202; p. 821.
- Power-transmitting mechanism. D. E. Morris. No. 1,092,076; Mar. 31; Gaz. vol. 200; p. 1328.
- Power-transmitting mechanism. E. Thomson. No. 1,095,132; Apr. 28; Gaz. vol. 201; p. 1161.
- Power-transmitting-mechanism control, Clutch and brake. C. W. Morden. No. 1,119,364; Dec. 1; Gaz. vol. 209; p. 160.
- Power-transmitting mechanism, Differential. T. V. Buckwalter. No. 1,086,644; Feb. 10; Gaz. vol. 199; p. 417.
- Power unit, Portable. R. R. Reck. No. 1,098,403; June 2; Gaz. vol. 203; p. 16.
- Power-wheel. J. S. Goss and C. J. Wilson. No. 1,120,930; Dec. 15; Gaz. vol. 209; p. 791.
- Precious-metal wire, &c., Method of and apparatus for producing filled. F. Kammerer. No. 1,096,786; May 12; Gaz. vol. 202; p. 582.
- Precious metals, Apparatus for recovering. F. A. Wiswell. No. 1,120,637; Dec. 8; Gaz. vol. 209; p. 640.
- Precious metals from their carrier, Extraction of. E. E. Howson. No. 1,093,700; Apr. 21; Gaz. vol. 201; p. 615.
- Precious metals, Recovering. F. A. Wiswell. No. 1,120,175; Dec. 8; Gaz. vol. 209; p. 476.
- Precious stones, Apparatus for grinding and polishing. E. Loesser. No. 1,094,913; Apr. 28; Gaz. vol. 201; p. 1086.
- Precious stones, Apparatus for grinding and polishing. E. Loesser. No. 1,094,914; Apr. 28; Gaz. vol. 201; p. 1086.
- Precious stones to be ground, Apparatus for making dops for holding. E. Loesser. No. 1,088,233; Feb. 24; Gaz. vol. 199; p. 1065.
- Precious stones to be ground, Apparatus for making dops for holding. E. Loesser. No. 1,088,235; Feb. 24; Gaz. vol. 199; p. 1066.
- Precious stones to be ground, Dop for holding. E. Loesser. No. 1,088,234; Feb. 24; Gaz. vol. 199; p. 1066.
- Precipitates, Machine for washing. H. E. Elson. No. 1,097,708; May 26; Gaz. vol. 202; p. 994.
- Preheater. G. H. Wilson. No. 1,108,051; Aug. 18; Gaz. vol. 205; p. 955.
- Preheater and furnace shield. W. S. Rockwell. (Reissue.) No. 13,713; Apr. 14; Gaz. vol. 201; p. 533.
- Preheating device. G. Van Daam. No. 1,120,425; Dec. 8; Gaz. vol. 209; p. 564.
- Preliminary heater. N. Kihn. No. 1,104,302; July 21; Gaz. vol. 204; p. 808.
- Preservation of alimentary substances, such as meat, fish, poultry, game, and the like. L. F. Bullöt. No. 1,119,398; Dec. 1; Gaz. vol. 209; p. 172.
- Preservative coating composition. W. Schoeller and W. Schrauth. No. 1,087,145; Feb. 17; Gaz. vol. 199; p. 640.
- Preservative receptacle. I. T. Whitton. No. 1,088,194; Feb. 24; Gaz. vol. 199; p. 1052.
- Preserve-boxes and the like, Cover or lid for use in connection with air-proof. R. Jahn. No. 1,091,577; Mar. 31; Gaz. vol. 200; p. 1158.
- Preserve-jar. T. Maynard. No. 1,097,180; May 19; Gaz. vol. 202; p. 766.
- Preserving apparatus. J. C. Lincoln. No. 1,102,769; July 7; Gaz. vol. 204; p. 191.
- Preserving compound. I. Brandeis. No. 1,107,892; Aug. 18; Gaz. vol. 205; p. 899.
- Preserving food substances. W. H. Allen. No. 1,098,006; May 26; Gaz. vol. 202; p. 1100.
- Preserving foodstuffs and the like, Receptacle for. B. Miraldi. No. 1,120,325; Dec. 8; Gaz. vol. 209; p. 528.
- Preserving fruit. B. Marcet. No. 1,087,798; Feb. 17; Gaz. vol. 199; p. 868.
- Preserving-jar. B. Schloss. No. 1,095,470; May 5; Gaz. vol. 202; p. 102.
- Preserving preparation. W. Schoeller and W. Schrauth. No. 1,087,144; Feb. 17; Gaz. vol. 199; p. 640.
- Preserving remains. R. G. Schnee and F. W. Riley. No. 1,120,336; Dec. 8; Gaz. vol. 209; p. 533.
- Press: See Arbor-press; Baling-press; Barrel-heading press; Box-press; Brick-press; Broom-press; Burning-press; Button-making press; Clayware-press; Convertible press; Cotton-press; Cuff-press; Drawing-press; Drill-press; Earthenware-press; Embossing-press; Embossing and printing press; Filter-press; Filtering-press; Forging-press; Fruit-press; Garment-press; Hammer-press; Hammer-press; Hat-press; Hat-brim press; Hay-press; Heading-press; Hot-press; Hydraulic press; Lithographic press; Meat and fruit press; Nailing-press; Oil-press; Pants-press; Paper-press; Power-press; Printing-press; Refort-press; Roller-press; Rotary press; Scrap-bundling press; Screw-press; Sealing-press; Soap-press; Spring-bending press; Stamp-press; Stereotype-matrix-making press; Tandem press; Tobacco-press; Trousers-press; Veneer-press; Vulcanizing-press; Wheel-press; Wheel-demounting press.
- Press. E. H. Alvord. No. 1,097,157; May 19; Gaz. vol. 202; p. 758.
- Press. G. W. Bernauer. No. 1,113,297; Oct. 13; Gaz. vol. 207; p. 351.
- Press. J. G. Breitenstein. No. 1,105,749; Aug. 4; Gaz. vol. 205; p. 57.
- Press. C. M. Hatcher. No. 1,122,919; Dec. 29; Gaz. vol. 209; p. 1556.
- Press. C. W. Kalaher. No. 1,114,992; Oct. 27; Gaz. vol. 207; p. 1041.
- Press. W. Klocke. No. 1,108,187; Aug. 25; Gaz. vol. 205; p. 1050.
- Press. J. F. Lewis. No. 1,087,795; Feb. 17; Gaz. vol. 199; p. 867.
- Press. L. Matthews. No. 1,088,435; Feb. 24; Gaz. vol. 199; p. 1133.

Alphabetical list of inventions—Continued.

- Press. F. J. Perkins. No. 1,085,296; Jan. 27; Gaz. vol. 198; p. 778.
- Press. F. J. Perkins. No. 1,115,012; Oct. 27; Gaz. vol. 207; p. 1047.
- Press. F. J. Perkins. No. 1,115,013; Oct. 27; Gaz. vol. 207; p. 1048.
- Press. A. Rónay. No. 1,099,667; June 9; Gaz. vol. 203; p. 488.
- Press. A. W. Sizer. No. 1,102,301; July 7; Gaz. vol. 204; p. 28.
- Press. A. Spink. No. 1,109,710; Sept. 8; Gaz. vol. 206; p. 343.
- Press. O. F. Westenheiser and W. P. Jones. No. 1,098,699; June 2; Gaz. vol. 203; p. 118.
- Press. J. V. Worthington. No. 1,119,560; Dec. 1; Gaz. vol. 209; p. 228.
- Press-box. C. M. Wall. No. 1,108,643; Aug. 25; Gaz. vol. 205; p. 1208.
- Press-ejector. M. W. O'Brien. No. 1,093,200; Apr. 14; Gaz. vol. 201; p. 405.
- Press-feeder, Automatic. J. Lynch. No. 1,091,855; Mar. 31; Gaz. vol. 200; p. 1257.
- Press for making pipes. F. Gahlen. No. 1,084,881; Jan. 20; Gaz. vol. 198; p. 599.
- Press for wood veneers, Hot-plate. O. P. Bushnell. No. 1,121,470; Dec. 15; Gaz. vol. 209; p. 977.
- Press-head-operating apparatus. C. R. P. Pool. No. 1,089,008; Mar. 3; Gaz. vol. 200; p. 114.
- Press-mold for use in the manufacture of metallic bars from finely-divided metallic powders. K. Gladitz. No. 1,091,430; Mar. 24; Gaz. vol. 200; p. 1063.
- Press safety attachment. H. R. Blumberg. No. 1,085,529; Jan. 27; Gaz. vol. 198; p. 855.
- Press starting and stopping mechanism. J. V. Collier and A. W. Edwards. No. 1,083,989; Jan. 13; Gaz. vol. 198; p. 271.
- Presses, Apparatus for indicating and recording pressures exerted in. F. John. No. 1,122,239; Dec. 22; Gaz. vol. 209; p. 1281.
- Presses, Attachment for power-. A. K. Wittlinger. No. 1,121,886; Dec. 22; Gaz. vol. 209; p. 1160.
- Presses, Dies for clicking. J. M. Lynch. No. 1,115,079; Oct. 27; Gaz. vol. 207; p. 1072.
- Presses, Ejecting mechanism for. J. H. Garratt. No. 1,108,898; Sept. 1; Gaz. vol. 206; p. 12.
- Presses, Feed-controlling mechanism for punching. A. Wilzin. No. 1,121,883; Dec. 22; Gaz. vol. 209; p. 1159.
- Presses, Gripper-finger mechanism for. J. C. Cook. No. 1,111,364; Sept. 22; Gaz. vol. 206; p. 1008.
- Presses, Guard mechanism for punch-. O. Kartzmark. No. 1,086,059; Feb. 3; Gaz. vol. 199; p. 172.
- Presses, Guide for platen-. S. E. Dittman. No. 1,116,682; Nov. 10; Gaz. vol. 208; p. 463.
- Pressing machine, Garment-. D. C. Hale, Jr. No. 1,122,590; Dec. 29; Gaz. vol. 209; p. 1439.
- Presses, Mechanism for. F. E. Groover. No. 1,084,735; Jan. 20; Gaz. vol. 198; p. 550.
- Presses, Safety attachment for. F. M. Reimann. No. 1,105,695; Aug. 4; Gaz. vol. 205; p. 38.
- Presses, Safety attachment for foot stamping and other. W. W. Shinski. No. 1,105,106; July 28; Gaz. vol. 204; p. 1136.
- Presses, Sweep for. F. E. Winchester. No. 1,111,932; Sept. 29; Gaz. vol. 206; p. 1243.
- Presses, Tripping mechanism for platen-. L. E. Morrison. No. 1,113,676; Oct. 13; Gaz. vol. 207; p. 483.
- Presser-foot. L. W. Moses. No. 1,105,819; Aug. 4; Gaz. vol. 205; p. 81.
- Pressing-board. J. A. Biernat. No. 1,116,222; Nov. 3; Gaz. vol. 208; p. 258.
- Pressing-iron, H. Lindestrom. No. 1,116,900; Nov. 10; Gaz. vol. 208; p. 539.
- Pressing-iron, Electrical. A. E. Reimers. No. 1,114,805; Oct. 27; Gaz. vol. 207; p. 973.
- Pressing iron, Lusterless-garment-. S. P. L. Calitri. No. 1,111,438; Sept. 22; Gaz. vol. 206; p. 1032.
- Pressing-machine. F. M. Betz. No. 1,089,385; Mar. 3; Gaz. vol. 200; p. 241.
- Pressing machine, Garment-. E. H. Zacharias. No. 1,115,366; Oct. 27; Gaz. vol. 207; p. 1170.
- Pressing machinery. E. Batten. No. 1,120,588; Dec. 8; Gaz. vol. 209; p. 623.
- Pressing or molding layers of agglomerated fibrous material. Apparatus for. E. Lanhoffer. No. 1,088,350; Feb. 24; Gaz. vol. 199; p. 1104.
- Pressure-accumulator. G. W. Doolittle. No. 1,096,291; May 12; Gaz. vol. 202; p. 417.
- Pressure and vacuum gage. F. Schubert. No. 1,083,902; Jan. 6; Gaz. vol. 198; p. 208.
- Pressure-gage. E. G. Bailey. No. 1,123,163; Dec. 29; Gaz. vol. 209; p. 1644.
- Pressure-gage. E. G. Bailey. No. 1,123,164; Dec. 29; Gaz. vol. 209; p. 1645.
- Pressure-gage. P. M. Casady. No. 1,116,798; Nov. 10; Gaz. vol. 208; p. 503.
- Pressure-gage. M. L. Chilson. No. 1,089,326; Mar. 3; Gaz. vol. 200; p. 221.
- Pressure-gage. O. P. Loomis. No. 1,087,883; Feb. 17; Gaz. vol. 199; p. 896.
- Pressure-gage. E. S. Savage. No. 1,114,050; Oct. 20; Gaz. vol. 207; p. 653.
- Pressure-gage. F. Schubert. No. 1,112,845; Oct. 6; Gaz. vol. 207; p. 152.
- Pressure-gage. L. L. Tatum. No. 1,119,203; Dec. 1; Gaz. vol. 209; p. 106.
- Pressure-gage and deflation-signal, Combination. J. H. Brown. No. 1,112,974; Oct. 6; Gaz. vol. 207; p. 196.
- Pressure-gage, Recording. E. H. Bristol. No. 1,115,778; Nov. 3; Gaz. vol. 208; p. 104.
- Pressure-generator. L. R. Camp. No. 1,099,019; June 2; Gaz. vol. 203; p. 223.
- Pressure-governor, Centrifugal. L. C. Loewenstein. No. 1,089,655; Mar. 10; Gaz. vol. 200; p. 384.
- Pressure-increaser. E. F. Lloyd. No. 1,090,866; Mar. 24; Gaz. vol. 200; p. 873.
- Pressure-indicator. W. H. Sauvage. No. 1,106,681; Aug. 11; Gaz. vol. 205; p. 427.
- Pressure-indicator. R. Wood. No. 1,117,470; Nov. 17; Gaz. vol. 208; p. 778.
- Pressure intensifier, Variable-. F. Steinmann. No. 1,084,715; Jan. 20; Gaz. vol. 198; p. 544.
- Pressure-recording instrument. N. W. Akimoff. No. 1,098,931; June 2; Gaz. vol. 203; p. 196.
- Pressure-recording instrument. N. W. Akimoff. No. 1,098,932; June 2; Gaz. vol. 203; p. 196.
- Pressure-reducer. G. J. Wiedmann. No. 1,121,700; Dec. 22; Gaz. vol. 209; p. 1094.
- Pressure-regulating device. H. R. Bickford. No. 1,103,474; July 14; Gaz. vol. 204; p. 481.
- Pressure-regulator. J. L. Creveling. No. 1,098,616; June 2; Gaz. vol. 203; p. 89.
- Pressure-regulator. R. M. La Porte. No. 1,118,293; Nov. 24; Gaz. vol. 208; p. 1104.
- Pressure-regulator. J. H. Reichard. No. 1,097,879; May 26; Gaz. vol. 202; p. 1054.
- Pressure-regulator. S. Udstad. No. 1,107,383; Aug. 18; Gaz. vol. 205; p. 720.
- Pressure-regulator. F. W. Walquist. No. 1,120,002; Dec. 8; Gaz. vol. 209; p. 415.
- Pressure regulator, Counter-. A. Schneider. No. 1,086,862; Feb. 10; Gaz. vol. 199; p. 495.
- Pressure-regulators, Auxiliary regulating device for. P. J. Quinlan. No. 1,111,493; Sept. 22; Gaz. vol. 206; p. 1052.
- Pretzel-making machine. G. H. Schactzel. No. 1,089,725; Mar. 10; Gaz. vol. 200; p. 408.
- Pretzel-rolling machine. L. Uhler. No. 1,116,766; Nov. 10; Gaz. vol. 208; p. 492.
- Primary battery. H. Csanyi. No. 1,102,010; June 30; Gaz. vol. 203; p. 1440.
- Primary battery. E. G. Dodge. No. 1,090,909; Mar. 24; Gaz. vol. 200; p. 888.
- Primary battery. H. E. R. Little. No. 1,119,024; Dec. 1; Gaz. vol. 209; p. 44.
- Primary battery. A. L. Saltzman. No. 1,087,143; Feb. 17; Gaz. vol. 199; p. 639.
- Primary battery. C. B. Schoenmehl. No. 1,092,600; Apr. 7; Gaz. vol. 201; p. 165.
- Primary cell. P. Young. No. 1,120,354; Dec. 8; Gaz. vol. 209; p. 539.
- Prime mover. C. A. Johnson. No. 1,118,017; Nov. 24; Gaz. vol. 208; p. 1009.
- Prime mover, Fluid-operated rotary. G. H. Alexander and W. G. Robinson. No. 1,087,861; Feb. 17; Gaz. vol. 199; p. 889.
- Prime mover, High-pressure. H. E. Warren. No. 1,114,077; Oct. 20; Gaz. vol. 207; p. 663.
- Primer. L. E. Johnson and H. M. Mathers. No. 1,116,823; Nov. 10; Gaz. vol. 208; p. 513.
- Primer and starter. W. E. Cariveau. No. 1,101,401; June 23; Gaz. vol. 203; p. 1175.
- Priming and sparking plug, Combined. C. G. Tate. No. 1,095,244; May 5; Gaz. vol. 202; p. 24.
- Priming charge. W. H. Buell. No. 1,106,343; Aug. 4; Gaz. vol. 205; p. 260.
- Priming-cup. F. M. Furber. No. 1,103,137; July 14; Gaz. vol. 204; p. 366.
- Priming-cup and compression-relief cock, Combined. F. J. Coleman. No. 1,091,485; Mar. 31; Gaz. vol. 200; p. 1127.
- Print-drier. B. Y. Morris. No. 1,106,670; Aug. 11; Gaz. vol. 205; p. 424.
- Print-making machine, Blue-. F. S. Floeter. No. 1,106,504; Aug. 11; Gaz. vol. 205; p. 365.
- Printer, Automatic label-. C. G. Patterson. No. 1,085,295; Jan. 27; Gaz. vol. 198; p. 777.
- Printer, Sign-. W. J. Ryan. No. 1,092,749; Apr. 7; Gaz. vol. 201; p. 215.
- Printer, Time-. E. S. Church. No. 1,087,215; Feb. 17; Gaz. vol. 199; p. 665.
- Printer's blanket. F. E. Ellis. No. 1,096,896; May 19; Gaz. vol. 202; p. 666.
- Printer's block. F. H. Berold. No. 1,107,647; Aug. 18; Gaz. vol. 205; p. 815.
- Printer's block. F. H. Berold. No. 1,107,648; Aug. 18; Gaz. vol. 205; p. 815.
- Printer's chase, Adjustable. C. E. Clippinger and J. A. Smith. No. 1,105,758; Aug. 4; Gaz. vol. 205; p. 61.
- Printers' forms, Line-clamp for. R. W. Hillyer. No. 1,087,234; Feb. 17; Gaz. vol. 199; p. 673.
- Printer's galley. J. E. M. Brooke. No. 1,105,957; Aug. 4; Gaz. vol. 205; p. 130.

Alphabetical list of inventions—Continued.

- Printers' galleys, Locking device for. A. E. Barter. No. 1,088,256; Feb. 24; Gaz. vol. 199; p. 1073.
- Printers' overlays and underlays, Making. W. E. Radtke. No. 1,105,159; July 28; Gaz. vol. 204; p. 1154.
- Printer's plate-hook. W. L. Hamilton. No. 1,084,085; Jan. 13; Gaz. vol. 198; p. 304.
- Printer's stick. G. W. Clarke. No. 1,093,111; Apr. 14; Gaz. vol. 201; p. 374.
- Printer's tie-up. W. F. Dinn. No. 1,101,528; June 30; Gaz. vol. 203; p. 1271.
- Printer's tie-up. J. A. Toren. No. 1,096,207; May 12; Gaz. vol. 202; p. 386.
- Printer's tool. J. J. Broderick. No. 1,087,570; Feb. 17; Gaz. vol. 199; p. 789.
- Printing. W. Berry. No. 1,097,075; May 19; Gaz. vol. 202; p. 730.
- Printing. G. R. Cornwall. No. 1,086,897; Feb. 10; Gaz. vol. 199; p. 506.
- Printing. G. R. Cornwall. No. 1,093,831; Apr. 21; Gaz. vol. 201; p. 657.
- Printing and addressing machines, Ribbon-inker for. D. C. Hughes. No. 1,088,072; Feb. 24; Gaz. vol. 199; p. 1010.
- Printing and cutting machine. H. A. Spiller. No. 1,098,060; May 26; Gaz. vol. 202; p. 1119.
- Printing and delivering transfer-slips, Apparatus for. H. H. Hess and J. F. Parker. No. 1,097,628; May 26; Gaz. vol. 202; p. 964.
- Printing and delivering transfer-slips, Apparatus for. H. H. Hess and J. F. Parker. No. 1,113,783; Oct. 13; Gaz. vol. 207; p. 521.
- Printing and issuing machine, Ticket. A. J. Jung. No. 1,090,543; Mar. 17; Gaz. vol. 200; p. 733.
- Printing and marking machines, Type-head for. E. Woodward. No. 1,122,835; Dec. 29; Gaz. vol. 209; p. 1528.
- Printing and moistening adhesive wrapping-tape, Machine for. J. I. Leary. No. 1,116,084; Nov. 3; Gaz. vol. 208; p. 212.
- Printing and other machines, Delivery-board for. H. Pearce, T. R. G. Parker, and F. W. Wright. No. 1,088,360; Feb. 24; Gaz. vol. 199; p. 1108.
- Printing and registering apparatus, Ticket. H. Friedlein. No. 1,091,408; Mar. 31; Gaz. vol. 200; p. 1131.
- Printing and reproducing machine. B. O. Fanslow. No. 1,122,267; Dec. 29; Gaz. vol. 209; p. 1331.
- Printing and similar machines, Counting-delivery for. L. A. Schmidt. No. 1,085,226; Jan. 27; Gaz. vol. 198; p. 753.
- Printing and vignetting frame, Combined. C. Wehrle and S. Overpeck. No. 1,101,596; June 30; Gaz. vol. 203; p. 1295.
- Printing apparatus. T. S. Fox. No. 1,086,521; Feb. 10; Gaz. vol. 199; p. 374.
- Printing apparatus. I. Kitsee. No. 1,092,490; Apr. 7; Gaz. vol. 201; p. 128.
- Printing apparatus. W. A. Pringle. No. 1,105,042; July 28; Gaz. vol. 204; p. 1114.
- Printing apparatus. H. Quartier. No. 1,088,180; Feb. 24; Gaz. vol. 199; p. 1047.
- Printing apparatus, Blue-. R. Herman. No. 1,093,623; Apr. 21; Gaz. vol. 201; p. 887.
- Printing apparatus, Light-. H. Wiegand. No. 1,086,966; Feb. 10; Gaz. vol. 199; p. 528.
- Printing apparatus, Type-. W. F. Barnard. No. 1,098,367; June 2; Gaz. vol. 203; p. 3.
- Printing attachment for slot-machines. W. H. Muzzy. No. 1,087,252; Feb. 17; Gaz. vol. 199; p. 679.
- Printing attachment for wrapping-paper reels. S. Alexander. No. 1,102,627; July 7; Gaz. vol. 204; p. 143.
- Printing-chases and the like, Rack for. E. F. W. Kaiser. No. 1,107,960; Aug. 18; Gaz. vol. 205; p. 921.
- Printing clothing-tickets, Machine for. A. and E. Antoine. No. 1,106,178; Aug. 4; Gaz. vol. 205; p. 207.
- Printing, Color-. P. Bonnier. No. 1,108,063; Aug. 18; Gaz. vol. 205; p. 959.
- Printing-colors. L. Schütze and R. Fischer. No. 1,096,198; May 12; Gaz. vol. 202; p. 383.
- Printing-couple appliance. S. A. Neidich. No. 1,089,148; Mar. 3; Gaz. vol. 200; p. 165.
- Printing cylinder, Intaglio-. H. A. W. Wood. No. 1,123,055; Dec. 29; Gaz. vol. 209; p. 1605.
- Printing device. J. S. Duncan. No. 1,084,696; Jan. 20; Gaz. vol. 198; p. 537.
- Printing device. J. S. Duncan. No. 1,087,223; Feb. 17; Gaz. vol. 199; p. 668.
- Printing device. J. S. Duncan. No. 1,096,495; May 12; Gaz. vol. 202; p. 486.
- Printing device. W. F. Headley. No. 1,088,778; Mar. 3; Gaz. vol. 200; p. 36.
- Printing device. C. Hohmann. No. 1,100,183; June 16; Gaz. vol. 203; p. 703.
- Printing device. J. J. A. Jones. No. 1,102,589; July 7; Gaz. vol. 204; p. 130.
- Printing device. M. Liebman. No. 1,112,629; Oct. 6; Gaz. vol. 207; p. 78.
- Printing device. J. H. Rietzke. No. 1,095,522; May 5; Gaz. vol. 202; p. 120.
- Printing device for bookbinders' press-marks. A. C. Nier and C. P. Oleson. No. 1,113,240; Oct. 13; Gaz. vol. 207; p. 331.
- Printing device for cars. C. R. Bowen. No. 1,094,298; Apr. 21; Gaz. vol. 201; p. 811.
- Printing-device holder. W. R. Allen. No. 1,122,840; Dec. 29; Gaz. vol. 209; p. 1530.
- Printing devices, Making. J. S. Duncan. No. 1,096,494; May 12; Gaz. vol. 202; p. 486.
- Printing, Embossed. F. Lamey. No. 1,115,551; Nov. 3; Gaz. vol. 208; p. 29.
- Printing feeding mechanism. S. A. Neidich. No. 1,089,150; Mar. 3; Gaz. vol. 200; p. 166.
- Printing-form. W. J. Adam. No. 1,089,100; Mar. 3; Gaz. vol. 200; p. 146.
- Printing-forms, Producing. A. L. Saltzman. No. 1,098,921; June 2; Gaz. vol. 203; p. 192.
- Printing-frame. W. G. Clements. No. 1,084,398; Jan. 13; Gaz. vol. 198; p. 407.
- Printing-frame. H. Cohn. No. 1,108,707; Aug. 25; Gaz. vol. 205; p. 1230.
- Printing-frame, Vacuum. G. Noetzel. No. 1,096,640; May 12; Gaz. vol. 202; p. 535.
- Printing from intaglio, engraved, or undersurface plates. W. A. Kritter. No. 1,092,269; Apr. 7; Gaz. vol. 201; p. 50.
- Printing from intaglio printing-surfaces, Inking mechanism of presses. H. Pearce, T. R. G. Parker, and F. W. Wright. No. 1,101,325; June 23; Gaz. vol. 203; p. 1150.
- Printing in relief, Machine for. L. S. Deleuil. No. 1,102,884; July 7; Gaz. vol. 204; p. 230.
- Printing intersecting lines, Device for. J. Rosenberg. No. 1,118,951; Dec. 1; Gaz. vol. 209; p. 16.
- Printing-machine. F. W. Adams. No. 1,086,261; Feb. 3; Gaz. vol. 199; p. 239.
- Printing-machine. J. C. Barclay. No. 1,097,580; May 19; Gaz. vol. 202; p. 903.
- Printing-machine. G. M. Breckenridge. No. 1,087,716; Feb. 17; Gaz. vol. 199; p. 842.
- Printing-machine. J. D. Hall. No. 1,086,167; Feb. 3; Gaz. vol. 199; p. 209.
- Printing-machine. O. A. Hanford. No. 1,100,073; June 16; Gaz. vol. 203; p. 665.
- Printing-machine. G. W. Hollingsworth. No. 1,121,250; Dec. 15; Gaz. vol. 209; p. 902.
- Printing-machine. G. H. Lang. No. 1,103,063; July 14; Gaz. vol. 204; p. 339.
- Printing-machine. N. Meyers. No. 1,086,387; Feb. 10; Gaz. vol. 199; p. 326.
- Printing-machine. E. Ocumpaugh, 2d. No. 1,107,829; Aug. 18; Gaz. vol. 205; p. 878.
- Printing-machine. H. C. Osborn. No. 1,117,896; Nov. 17; Gaz. vol. 208; p. 927.
- Printing-machine. F. A. Putnam. No. 1,109,938; Sept. 8; Gaz. vol. 206; p. 424.
- Printing-machine. O. L. Raabe and A. Terrey. No. 1,111,321; Sept. 22; Gaz. vol. 206; p. 992.
- Printing-machine. A. H. Ray. No. 1,104,829; July 28; Gaz. vol. 204; p. 1042.
- Printing-machine. J. H. Reinhardt. No. 1,100,256; June 16; Gaz. vol. 203; p. 728.
- Printing-machine. P. Reiss. No. 1,119,118; Dec. 1; Gaz. vol. 209; p. 77.
- Printing-machine. H. A. Rice and C. G. Patterson. No. 1,101,565; June 30; Gaz. vol. 203; p. 1284.
- Printing-machine. C. F. Robbins. No. 1,118,051; Nov. 24; Gaz. vol. 208; p. 1021.
- Printing-machine. C. A. Root. No. 1,097,770; May 26; Gaz. vol. 202; p. 1015.
- Printing-machine. M. Rosenfeld. No. 1,098,056; May 26; Gaz. vol. 202; p. 1117.
- Printing-machine. T. C. Sheehan. No. 1,123,021; Dec. 29; Gaz. vol. 209; p. 1593.
- Printing-machine. W. Spalckhaver. No. 1,109,152; Sept. 1; Gaz. vol. 206; p. 104.
- Printing-machine. G. Spiess. No. 1,110,723; Sept. 15; Gaz. vol. 206; p. 743.
- Printing-machine. J. N. Wallace. No. 1,097,203; May 19; Gaz. vol. 202; p. 774.
- Printing-machine. B. B. West. No. 1,106,906; Aug. 11; Gaz. vol. 205; p. 506.
- Printing-machine bed-motion. R. and R. F. Miehle, Jr. No. 1,111,604; Sept. 22; Gaz. vol. 206; p. 1090.
- Printing machine, Can-. L. James. No. 1,106,712; Aug. 11; Gaz. vol. 205; p. 437.
- Printing machine, Chart-. H. S. Alexander. No. 1,123,062; Dec. 29; Gaz. vol. 209; p. 1607.
- Printing machine, Color-. C. F. M. Kroenert and H. J. Meyer. No. 1,086,721; Feb. 10; Gaz. vol. 199; p. 444.
- Printing-machine cutting device. J. Jacobs and A. Neffen. No. 1,103,292; July 14; Gaz. vol. 204; p. 419.
- Printing-machine, Cylinder. H. M. Barber. No. 1,089,740; Mar. 10; Gaz. vol. 200; p. 413.
- Printing-machine delivery mechanism. W. Spalckhaver. No. 1,122,547; Dec. 29; Gaz. vol. 209; p. 1425.
- Printing-machine delivery mechanism. C. Zallud. No. 1,087,206; Feb. 17; Gaz. vol. 199; p. 661.
- Printing-machine, Duplicating. B. O. Fanslow. (Reissue.) No. 13,817; Oct. 27; Gaz. vol. 207; p. 1210.
- Printing machine, Envelop-. L. E. Morrison. No. 1,116,463; Nov. 10; Gaz. vol. 208; p. 380.
- Printing-machine for text and intaglio fine printing, Combined. A. Burgert. No. 1,105,482; July 28; Gaz. vol. 204; p. 1271.

Alphabetical list of inventions—Continued.

- Printing-machine inking mechanism. F. A. Putnam and O. J. Locke. No. 1,101,470; June 23; Gaz. vol. 203; p. 1199.
- Printing-machine inking mechanism. C. H. Sampson. No. 1,116,743; Nov. 10; Gaz. vol. 208; p. 483.
- Printing machine, Label-. H. Wronker. No. 1,115,646; Nov. 3; Gaz. vol. 208; p. 61.
- Printing machine, Multicolor-. A. J. Oliva. No. 1,101,951; June 30; Gaz. vol. 203; p. 1419.
- Printing machine, Offset-. W. C. Huebner. No. 1,109,288; Sept. 1; Gaz. vol. 206; p. 153.
- Printing-machine-operating attachment. C. F. Richardson. No. 1,084,756; Jan. 20; Gaz. vol. 198; p. 557.
- Printing machine, Reciprocating-flat-bed web-. W. T. Fletcher. No. 1,094,386; Apr. 21; Gaz. vol. 201; p. 840.
- Printing-machine, Rotary. C. Hermann. No. 1,091,841; Mar. 31; Gaz. vol. 200; p. 1252.
- Printing-machine, Rotary. E. P. Sheldon. No. 1,087,191; Feb. 17; Gaz. vol. 199; p. 655.
- Printing machine, Rotary intaglio-. E. Mertens. No. 1,103,805; July 14; Gaz. vol. 204; p. 598.
- Printing machine, Rotary lithographic-. R. P. and J. W. Payne. No. 1,108,223; Aug. 25; Gaz. vol. 205; p. 1063.
- Printing machine, Rotary sheet-. R. C. Seymour. No. 1,095,527; May 5; Gaz. vol. 202; p. 122.
- Printing machine, Sheet-. E. P. Sheldon. No. 1,095,528; May 5; Gaz. vol. 202; p. 122.
- Printing-machine sheet-delivery apparatus. H. M. Barber. No. 1,094,048; Apr. 21; Gaz. vol. 201; p. 729.
- Printing-machine sheet-delivery apparatus. H. M. Barber. No. 1,102,125; June 30; Gaz. vol. 203; p. 1481.
- Printing-machine sheet-delivery apparatus. H. M. Barber. (Reissue.) No. 13,850; Dec. 22; Gaz. vol. 209; p. 1282.
- Printing machine, Stencil-. E. A. Cox. No. 1,117,337; Nov. 17; Gaz. vol. 208; p. 732.
- Printing machine, Tape-. A. J. Bohnengel. No. 1,097,516; May 19; Gaz. vol. 202; p. 882.
- Printing machine, Tape-. A. J. Bohnengel. No. 1,100,284; June 16; Gaz. vol. 203; p. 738.
- Printing machine, Ticket-. J. H. Bair. No. 1,083,267; Jan. 6; Gaz. vol. 198; p. 3.
- Printing machine, Ticket-. F. W. Hoefer. No. 1,111,020; Sept. 22; Gaz. vol. 206; p. 889.
- Printing machine, Time-. E. J. Armbruster and J. E. Dempsey. No. 1,098,607; June 2; Gaz. vol. 203; p. 86.
- Printing-machine-tripping mechanism. L. E. Morrison. No. 1,098,914; June 2; Gaz. vol. 203; p. 190.
- Printing-machine-web-controlling device. R. Hoe. No. 1,085,908; Feb. 3; Gaz. vol. 199; p. 116.
- Printing-machine wiping apparatus, Plate-. W. C. Kimber. No. 1,096,725; May 12; Gaz. vol. 202; p. 562.
- Printing-machines, Adjusting device for pattern-cylinders of. C. F. M. Kroenert and H. J. Meyer. No. 1,083,543; Jan. 6; Gaz. vol. 198; p. 95.
- Printing-machines, Manufacturing type-wheels for. E. Ocumpaugh. No. 1,100,089; June 16; Gaz. vol. 203; p. 670.
- Printing-machines, Removable form-holder for. H. C. Gammeter. No. 1,122,728; Dec. 29; Gaz. vol. 209; p. 1489.
- Printing-machines, Rule for rotary. G. T. Trundle, Jr. No. 1,109,374; Sept. 1; Gaz. vol. 206; p. 185.
- Printing-machines, Sheet-retarding delivery for. E. O. Cartwright. No. 1,085,665; Feb. 3; Gaz. vol. 199; p. 30.
- Printing-machines, Tripping mechanism for cylinder. R. Miehle. No. 1,115,083; Oct. 27; Gaz. vol. 207; p. 1073.
- Printing machinery, Multicolor-. J. Murray. No. 1,106,313; Aug. 4; Gaz. vol. 205; p. 251.
- Printing means for calculating-machines, Item-cipher-. E. L. Reller. No. 1,098,170; May 26; Gaz. vol. 202; p. 1156.
- Printing, Means for keeping margins clean in intaglio-. H. A. W. Wood. No. 1,106,067; Aug. 4; Gaz. vol. 205; p. 168.
- Printing mechanism. W. R. Allen. No. 1,117,751; Nov. 17; Gaz. vol. 208; p. 878.
- Printing mechanism. F. H. Bickford. No. 1,112,516; Oct. 6; Gaz. vol. 207; p. 36.
- Printing mechanism. G. E. Pancoast. No. 1,106,472; Aug. 11; Gaz. vol. 205; p. 352.
- Printing mechanism. C. Wales. No. 1,122,174; Dec. 22; Gaz. vol. 209; p. 1258.
- Printing mechanism, Bill-. C. I. Hall. No. 1,087,902; Feb. 17; Gaz. vol. 199; p. 902.
- Printing mechanism for adding-machines. J. C. Lotterhand. No. 1,092,497; Apr. 7; Gaz. vol. 201; p. 130.
- Printing mechanism for adding-machines. J. C. Lotterhand. (Reissue.) No. 13,781; July 28; Gaz. vol. 204; p. 1311.
- Printing mechanism for automatic recording-scales. E. McGarvey. No. 1,101,207; June 23; Gaz. vol. 203; p. 1110.
- Printing mechanism for computing-machines. J. E. W. Greve. No. 1,121,826; Dec. 22; Gaz. vol. 209; p. 1139.
- Printing, Mechanism for positioning the zero types of accumulator-wheels for. E. L. Reller. No. 1,123,007; Dec. 29; Gaz. vol. 209; p. 1588.
- Printing mechanism for recorders. J. F. Ohmer. No. 1,102,949; July 7; Gaz. vol. 204; p. 251.
- Printing-meter. J. E. and F. L. Burch. No. 1,091,804; Mar. 31; Gaz. vol. 200; p. 1238.
- Printing music, Means for. P. S. A. Marino. No. 1,091,682; Mar. 31; Gaz. vol. 200; p. 1194.
- Printing on tarleton and other like fabrics. F. R. Clark. No. 1,106,364; Aug. 11; Gaz. vol. 205; p. 313.
- Printing on wrapping-paper rolls, Device for. W. E. Davis. No. 1,112,421; Sept. 29; Gaz. vol. 206; p. 1411.
- Printing or addressing machines, Type or slug feed for. J. Tomlinson. No. 1,105,313; July 28; Gaz. vol. 204; p. 1209.
- Printing or embossing machine, Envelop-blank. I. W. Huckins. No. 1,118,009; Nov. 24; Gaz. vol. 208; p. 1006.
- Printing-plate. J. W. Aylsworth. No. 1,098,610; June 2; Gaz. vol. 203; p. 87.
- Printing-plate. L. B. Tebbetts, 2d. No. 1,087,561; Feb. 17; Gaz. vol. 199; p. 786.
- Printing-plate-building-up machine. S. E. Dittman. No. 1,119,498; Dec. 1; Gaz. vol. 209; p. 207.
- Printing-plate clamp. W. F. Minnick. No. 1,091,152; Mar. 24; Gaz. vol. 200; p. 973.
- Printing-plate-curving machine. J. S. Duncan. No. 1,111,143; Sept. 22; Gaz. vol. 206; p. 933.
- Printing-plate for addressing-machines. F. De Minico. No. 1,116,032; Nov. 3; Gaz. vol. 208; p. 194.
- Printing-plate holder, Adjustable. E. R. Storm. No. 1,095,150; Apr. 28; Gaz. vol. 201; p. 1168.
- Printing-plate-making apparatus. J. H. Tryon and C. A. Grotz. No. 1,100,855; June 23; Gaz. vol. 203; p. 987.
- Printing plate or form and a cross-reference index-card, Simultaneously making a master. W. E. Choate. No. 1,084,313; Jan. 13; Gaz. vol. 198; p. 381.
- Printing-plates, Casting. R. T. Johnston. No. 1,092,487; Apr. 7; Gaz. vol. 201; p. 127.
- Printing-plates, Making. J. H. Tryon and C. A. Grotz. No. 1,100,854; June 23; Gaz. vol. 203; p. 986.
- Printing plates or forms, Producing letter-press. G. R. Cornwall. No. 1,106,369; Aug. 11; Gaz. vol. 205; p. 314.
- Printing-plates, Production of matrices or molds for. M. Smith. No. 1,093,015; Apr. 14; Gaz. vol. 201; p. 340.
- Printing-plates to printing-cylinders, Means for securing. H. A. W. Wood. No. 1,096,982; May 19; Gaz. vol. 202; p. 696.
- Printing prepaid postage, Apparatus for. J. Lerche. No. 1,114,893; Oct. 27; Gaz. vol. 207; p. 1004.
- Printing prepaid postage on postal packages, Device for. J. Lerche. No. 1,089,928; Mar. 10; Gaz. vol. 200; p. 480.
- Printing-press. L. Bakke. No. 1,096,589; May 12; Gaz. vol. 202; p. 517.
- Printing-press. L. Bakke. No. 1,096,590; May 12; Gaz. vol. 202; p. 517.
- Printing-press. H. F. Bechman. No. 1,121,159; Dec. 15; Gaz. vol. 209; p. 873.
- Printing-press. C. T. Blackford. No. 1,107,254; Aug. 18; Gaz. vol. 205; p. 674.
- Printing-press. M. J. Bulger. No. 1,121,896; Dec. 22; Gaz. vol. 209; p. 1164.
- Printing-press. G. R. Cornwall. No. 1,105,964; Aug. 4; Gaz. vol. 205; p. 132.
- Printing-press. G. R. Cornwall. No. 1,105,965; Aug. 4; Gaz. vol. 205; p. 132.
- Printing-press. G. R. Cornwall. No. 1,059,666; Aug. 4; Gaz. vol. 205; p. 133.
- Printing-press. G. P. Fenner. No. 1,095,833; Mar. 5; Gaz. vol. 202; p. 225.
- Printing-press. G. P. Fenner. No. 1,103,665; July 14; Gaz. vol. 204; p. 551.
- Printing-press. J. L. Firm. No. 1,086,908; Feb. 10; Gaz. vol. 199; p. 509.
- Printing-press. J. L. Firm. No. 1,100,066; June 16; Gaz. vol. 203; p. 662.
- Printing-press. J. L. Firm. No. 1,108,162; Aug. 25; Gaz. vol. 205; p. 1041.
- Printing-press. C. R. Fogwell. No. 1,107,772; Aug. 18; Gaz. vol. 205; p. 859.
- Printing-press. A. J. Ford. No. 1,092,830; Apr. 14; Gaz. vol. 201; p. 278.
- Printing-press. R. T. Johnston. No. 1,112,141; Sept. 29; Gaz. vol. 206; p. 1311.
- Printing-press. M. M. Kandle. No. 1,093,190; Apr. 14; Gaz. vol. 201; p. 401.
- Printing-press. W. M. Kelly. No. 1,092,998; Apr. 14; Gaz. vol. 201; p. 334.
- Printing-press. W. M. Kelly. No. 1,096,036; May 12; Gaz. vol. 202; p. 329.
- Printing-press. H. L. Koehler. No. 1,103,147; July 14; Gaz. vol. 204; p. 370.
- Printing-press. R. Miehle. No. 1,093,453; Apr. 14; Gaz. vol. 201; p. 489.
- Printing-press. R. Miehle. No. 1,100,388; June 16; Gaz. vol. 203; p. 775.
- Printing-press. R. Miehle. No. 1,105,574; July 28; Gaz. vol. 204; p. 1302.
- Printing-press. R. Miehle. No. 1,105,575; July 28; Gaz. vol. 204; p. 1302.
- Printing-press. R. Miehle. No. 1,111,666; Sept. 22; Gaz. vol. 206; p. 1112.
- Printing-press. R. Miehle. No. 1,111,667; Sept. 22; Gaz. vol. 206; p. 1113.

Alphabetical list of inventions—Continued.

- Printing-press. G. H. Miller. No. 1,105,816; Aug. 4; Gaz. vol. 205; p. 81.
- Printing-press. E. J. Newton. No. 1,086,395; Feb. 10; Gaz. vol. 199; p. 328.
- Printing-press. I. F. Niles. No. 1,119,861; Dec. 8; Gaz. vol. 209; p. 365.
- Printing-press. E. A. Parker. No. 1,087,975; Feb. 24; Gaz. vol. 199; p. 976.
- Printing-press. C. G. Pritchard. No. 1,113,483; Oct. 13; Gaz. vol. 207; p. 419.
- Printing-press. E. J. F. Rea. No. 1,098,838; June 2; Gaz. vol. 203; p. 163.
- Printing-press. N. Sadovsky. No. 1,088,732; Mar. 3; Gaz. vol. 200; p. 21.
- Printing-press. A. L. Saltzman. No. 1,094,024; Apr. 21; Gaz. vol. 201; p. 721.
- Printing-press. J. Thomson. No. 1,113,508; Oct. 13; Gaz. vol. 207; p. 427.
- Printing-press. R. O. Vandercook. No. 1,100,409; June 16; Gaz. vol. 203; p. 782.
- Printing-press. M. Vierengel. No. 1,087,473; Feb. 17; Gaz. vol. 199; p. 756.
- Printing-press. J. White. No. 1,112,665; Oct. 6; Gaz. vol. 207; p. 91.
- Printing-press. G. S. Williamson. No. 1,104,461; July 21; Gaz. vol. 204; p. 864.
- Printing-press and the like, Platen. A. Lagerman, Jr., and V. H. Landqvist. No. 1,099,553; June 9; Gaz. vol. 203; p. 450.
- Printing-press attachment. E. W. Elfes. No. 1,119,414; Dec. 1; Gaz. vol. 209; p. 178.
- Printing-press attachment. W. R. Hildebrand. No. 1,104,669; July 21; Gaz. vol. 204; p. 937.
- Printing-press attachment. E. H. Sale. No. 1,095,033; Apr. 28; Gaz. vol. 201; p. 1128.
- Printing-press automatic control. S. L. Tucker. No. 1,095,751; May 5; Gaz. vol. 202; p. 197.
- Printing-press automatic feeder. M. Boden. No. 1,085,792; Feb. 3; Gaz. vol. 199; p. 77.
- Printing-press, Automatic-platen. A. Lagerman and V. Landqvist. No. 1,097,240; May 19; Gaz. vol. 202; p. 787.
- Printing-press bed-motion. R. Miehle. No. 1,093,346; Apr. 14; Gaz. vol. 201; p. 455.
- Printing-press bed-motion. B. F. Upham. No. 1,094,405; Apr. 21; Gaz. vol. 201; p. 847.
- Printing-press-bed-reversing mechanism. S. I. Meseraull. No. 1,083,753; Jan. 6; Gaz. vol. 198; p. 164.
- Printing-press blankets, Making rubber. G. Kush. No. 1,096,112; May 12; Gaz. vol. 202; p. 355.
- Printing-press-carriage control. W. Saxon. No. 1,099,940; June 16; Gaz. vol. 203; p. 618.
- Printing-press clamp. G. W. Bennett. No. 1,103,862; July 14; Gaz. vol. 204; p. 617.
- Printing-press clutch and controller. H. H. Cutler. No. 1,120,375; Dec. 8; Gaz. vol. 209; p. 547.
- Printing-press cushioning device. R. Miehle. No. 1,089,068; Mar. 3; Gaz. vol. 200; p. 134.
- Printing-press-cylinder-tripping device. H. C. La Batt. No. 1,087,246; Feb. 17; Gaz. vol. 199; p. 677.
- Printing-press delivery mechanism. H. Lewis and C. J. Wright. No. 1,084,019; Jan. 13; Gaz. vol. 198; p. 282.
- Printing-press, Double-deck web bed-and-platen. C. M. Mead. No. 1,121,745; Dec. 22; Gaz. vol. 209; p. 1110.
- Printing-press feed control and tripping mechanism. S. Moe. No. 1,092,941; Apr. 14; Gaz. vol. 201; p. 316.
- Printing-press feed-gage. L. A. Liebs. No. 1,119,293; Dec. 1; Gaz. vol. 209; p. 135.
- Printing-press feed-table. R. Miehle. No. 1,111,718; Sept. 22; Gaz. vol. 206; p. 1131.
- Printing-press feeder. H. E. Harbaugh. No. 1,116,587; Nov. 10; Gaz. vol. 208; p. 427.
- Printing-press-feeding mechanism. S. M. Langston. No. 1,107,971; Aug. 18; Gaz. vol. 205; p. 926.
- Printing-press-feeding mechanism. S. Prescott. No. 1,098,589; June 2; Gaz. vol. 203; p. 81.
- Printing-press gripper mechanism. T. C. Sheehan. No. 1,123,023; Dec. 29; Gaz. vol. 209; p. 1593.
- Printing-press ink-fountain. H. Pearce, T. R. G. Parker, and F. W. Wright. No. 1,105,690; Aug. 4; Gaz. vol. 205; p. 36.
- Printing-press ink-fountain. B. W. Shallbetter and W. T. Abrams. No. 1,105,850; Aug. 4; Gaz. vol. 205; p. 92.
- Printing-press ink-supply. W. J. Adam. No. 1,112,412; Sept. 29; Gaz. vol. 206; p. 1408.
- Printing-press inking device. H. N. Ellenbecker. No. 1,086,356; Feb. 10; Gaz. vol. 199; p. 318.
- Printing-press inking device. W. B. Story. No. 1,105,861; Aug. 4; Gaz. vol. 205; p. 97.
- Printing-press inking device. R. O. Vandercook. No. 1,120,868; Dec. 15; Gaz. vol. 209; p. 768.
- Printing-press inking-disk. F. J. Antelotti. No. 1,086,263; Feb. 3; Gaz. vol. 199; p. 240.
- Printing-press inking mechanism. J. F. Mahlstedt. No. 1,087,249; Feb. 17; Gaz. vol. 199; p. 678.
- Printing-press inking mechanism. J. H. Scheu. No. 1,114,188; Oct. 20; Gaz. vol. 207; p. 705.
- Printing-press jogger. B. D. Stevens. No. 1,107,859; Aug. 18; Gaz. vol. 205; p. 889.
- Printing-press, Multicolor-. R. Jacobucci. No. 1,100,569; June 16; Gaz. vol. 203; p. 834.
- Printing-press, Multicolor-. O. Roesen. No. 1,085,224; Jan. 27; Gaz. vol. 198; p. 752.
- Printing-press paper-guide. E. C. Seymour. No. 1,098,058; May 26; Gaz. vol. 202; p. 1118.
- Printing-press, Platen. M. Rockstroh. No. 1,118,054; Nov. 24; Gaz. vol. 208; p. 1022.
- Printing-press, Platen. M. Rockstroh. No. 1,118,055; Nov. 24; Gaz. vol. 208; p. 1023.
- Printing-press, Relief and intaglio. H. A. W. Wood. No. 1,096,483; May 12; Gaz. vol. 202; p. 482.
- Printing-press roll. W. MacGowan. No. 1,104,432; July 21; Gaz. vol. 204; p. 853.
- Printing-press-roll-renewing attachment. J. T. Peto. (Re-issue.) No. 13,671; Jan. 6; Gaz. vol. 198; p. 211.
- Printing-press rollers, Attachment for lithographing-. J. Martini. No. 1,110,397; Sept. 15; Gaz. vol. 206; p. 628.
- Printing-press, Rotary. H. F. Bechman. No. 1,090,013; Mar. 10; Gaz. vol. 200; p. 507.
- Printing-press, Rotary. R. J. Greenway, Jr. No. 1,100,429; June 16; Gaz. vol. 203; p. 789.
- Printing-press sheet-assembling mechanism. H. C. Schroeder. (Reissue.) No. 13,737; May 26; Gaz. vol. 202; p. 1227.
- Printing-press sheet-delivery device. G. P. Fenner. No. 1,099,641; June 9; Gaz. vol. 203; p. 479.
- Printing-press sheet-delivery mechanism. B. D. Stevens and M. A. Droitcour. No. 1,112,395; Sept. 29; Gaz. vol. 206; p. 1402.
- Printing-press sheet feeding and registering mechanism. G. E. Pancoast. No. 1,108,220; Aug. 25; Gaz. vol. 205; p. 1062.
- Printing-press sheet-feeding mechanism. H. B. Green. No. 1,108,072; Aug. 18; Gaz. vol. 205; p. 962.
- Printing-press sheet-gage. L. L. Rogers and A. C. Robbins. No. 1,095,125; Apr. 28; Gaz. vol. 201; p. 1158.
- Printing-press sheet-gage. L. L. Rogers and A. C. Robbins. No. 1,095,126; Apr. 28; Gaz. vol. 201; p. 1158.
- Printing-press sheet-gripping device. H. Lang. No. 1,108,193; Aug. 25; Gaz. vol. 205; p. 1052.
- Printing-press tension-regulating means. W. S. Morse. No. 1,103,153; July 14; Gaz. vol. 204; p. 372.
- Printing-press tension-regulator. W. S. Morse. No. 1,103,152; July 14; Gaz. vol. 204; p. 372.
- Printing-press trip device. W. B. Story. No. 1,116,755; Nov. 10; Gaz. vol. 208; p. 487.
- Printing-press trip mechanism. C. J. Robertson. No. 1,107,843; Aug. 18; Gaz. vol. 205; p. 883.
- Printing-press tripping mechanism. B. F. Upham. No. 1,087,055; Feb. 10; Gaz. vol. 199; p. 556.
- Printing-press tympan. S. E. Dittman. No. 1,111,369; Sept. 22; Gaz. vol. 206; p. 1009.
- Printing-press, Web intaglio-. B. R. Stickney. No. 1,115,127; Oct. 27; Gaz. vol. 207; p. 1088.
- Printing-presses, Actuating means for fountain-rolls for. C. J. Wright. No. 1,121,705; Dec. 22; Gaz. vol. 209; p. 1096.
- Printing-presses, Bed-cushioning device for. S. Moe. No. 1,104,819; July 28; Gaz. vol. 204; p. 1038.
- Printing-presses, coating-machines, rewinders, &c., Automatic tension control for. C. L. Johnston. No. 1,115,828; Nov. 3; Gaz. vol. 208; p. 122.
- Printing-presses, Compensating cylinder for. C. Henderson. No. 1,106,508; Aug. 11; Gaz. vol. 205; p. 366.
- Printing-presses, Device for wiping the printing-surfaces of intaglio-. K. Röger. No. 1,102,548; July 7; Gaz. vol. 204; p. 114.
- Printing-presses, Form-roller mechanism for. E. J. F. Rea. No. 1,084,296; Jan. 13; Gaz. vol. 198; p. 374.
- Printing-presses, Inking mechanism for bed-and-cylinder. H. M. Barber. No. 1,093,521; Apr. 14; Gaz. vol. 201; p. 509.
- Printing-presses, Making photostereotypes for typographic. C. Baechler. No. 1,088,512; Feb. 24; Gaz. vol. 199; p. 1158.
- Printing-presses, Means for supplying and feeding paper to. L. F. Pfister. (Reissue.) No. 13,672; Jan. 6; Gaz. vol. 198; p. 212.
- Printing-presses, Monoprint multicolor attachment for. E. H. Bobbitt. No. 1,101,395; June 23; Gaz. vol. 203; p. 1173.
- Printing-presses or other machines, Sheet-delivery for. R. Miehle. No. 1,118,036; Nov. 24; Gaz. vol. 208; p. 1015.
- Printing-presses, Piling-table for. R. Miehle. No. 1,089,342; Mar. 3; Gaz. vol. 200; p. 226.
- Printing-presses, Safety device for platen. M. Rockstroh. No. 1,093,079; Apr. 14; Gaz. vol. 201; p. 362.
- Printing-presses, Slip-sheet machine for. F. M. Turck. No. 1,107,556; Aug. 18; Gaz. vol. 205; p. 781.
- Printing-presses, Stock-moistener for plate-. S. G. Pugh. No. 1,096,055; May 12; Gaz. vol. 202; p. 336.
- Printing-presses, Suction cleaning mechanism for. B. D. Stevens. No. 1,096,471; May 12; Gaz. vol. 202; p. 478.
- Printing-presses, Trip mechanism of two-revolution. H. Pearce, T. R. G. Parker, and F. W. Wright. No. 1,106,402; Aug. 11; Gaz. vol. 205; p. 325.
- Printing-presses, Trip mechanism of two-revolution. H. Pearce, T. R. G. Parker, and F. W. Wright. No. 1,106,403; Aug. 11; Gaz. vol. 205; p. 326.

Alphabetical list of inventions—Continued.

- Printing-presses, Web-treating device for. H. A. W. Wood. No. 1,089,453; Mar. 10; Gaz. vol. 200; p. 314.
- Printing price-cards, labels, tickets, tags, and the like, Machine for. G. Beutler. No. 1,115,380; Oct. 27; Gaz. vol. 207; p. 1174.
- Printing-ribbons, Device for inking and dampening. A. Block. No. 1,113,872; Oct. 13; Gaz. vol. 207; p. 553.
- Printing-rulers, Machine for. W. G. Cross. No. 1,110,112; Sept. 8; Gaz. vol. 206; p. 487.
- Printing, ruling, folding, and like machines, Side-lay mechanism for. H. Hollings. No. 1,092,912; Apr. 14; Gaz. vol. 201; p. 306.
- Printing-slug. W. R. Allen. No. 1,122,842; Dec. 29; Gaz. vol. 209; p. 1530.
- Printing-slugs, Making. W. R. Allen. No. 1,122,841; Dec. 29; Gaz. vol. 209; p. 1530.
- Printing-slugs, Making. H. C. Gammeter. No. 1,122,724; Dec. 29; Gaz. vol. 209; p. 1488.
- Printing-slugs, Means for making and forming. I. M. Downey. No. 1,116,396; Nov. 10; Gaz. vol. 208; p. 357.
- Printing-slugs, Means for the production of. P. T. Dodge. No. 1,084,617; Jan. 20; Gaz. vol. 198; p. 508.
- Printing-stamp. G. A. W. Rushworth. No. 1,085,489; Jan. 27; Gaz. vol. 198; p. 841.
- Printing-stand. N. De Clark. No. 1,092,095; Mar. 31; Gaz. vol. 200; p. 1336.
- Printing-surface holder. S. A. Neidich. No. 1,089,149; Mar. 3; Gaz. vol. 200; p. 166.
- Printing-surfaces, Machine for building up designs on cylindrical. L. J. R. Holst. No. 1,107,520; Aug. 18; Gaz. vol. 205; p. 769.
- Printing-surfaces, Producing. O. Dodge. No. 1,118,479; Nov. 24; Gaz. vol. 208; p. 1173.
- Printing-surfaces with relief effect, Production of. N. Bendixen. No. 1,092,239; Apr. 7; Gaz. vol. 201; p. 39.
- Printing tape, Apparatus for. A. H. Marshall and T. L. Richardson. No. 1,106,660; Aug. 11; Gaz. vol. 205; p. 420.
- Printing textiles. J. C. Hebden. No. 1,087,370; Feb. 17; Gaz. vol. 199; p. 719.
- Printing viscose on textile fabrics. E. Fourneaux. No. 1,087,938; Feb. 24; Gaz. vol. 199; p. 962.
- Prism. C. Schütz. No. 1,095,932; May 5; Gaz. vol. 202; p. 257.
- Prismatic device. H. Jacob and C. von Hofe. No. 1,086,297; Feb. 3; Gaz. vol. 199; p. 250.
- Privy-seat. B. C. Smith and W. J. Stevenson. No. 1,111,037; Sept. 22; Gaz. vol. 206; p. 895.
- Producer and regenerative furnace. J. and W. Stewart and R. P. Bethell. No. 1,098,991; June 2; Gaz. vol. 203; p. 215.
- Profile and cross-section plotters. E. A. Zorsch. No. 1,083,421; Jan. 6; Gaz. vol. 198; p. 55.
- Profile cutter-head. F. L. Lane and H. J. Mitchell. No. 1,096,847; May 19; Gaz. vol. 202; p. 648.
- Profiling device or shadowgraph. A. A. Lehr. No. 1,094,155; Apr. 21; Gaz. vol. 201; p. 766.
- Profiling-machine. B. M. W. Hanson and C. L. Grohmann. No. 1,084,625; Jan. 20; Gaz. vol. 198; p. 511.
- Projectile. J. Bizas. No. 1,099,784; June 9; Gaz. vol. 203; p. 528.
- Projectile. C. B. Fox. No. 1,091,922; Mar. 31; Gaz. vol. 200; p. 1279.
- Projectile. W. R. Gulick. No. 1,096,907; May 19; Gaz. vol. 202; p. 669.
- Projectile. F. M. Hale. No. 1,121,091; Dec. 15; Gaz. vol. 209; p. 847.
- Projectile. L. F. Hering. No. 1,110,933; Sept. 15; Gaz. vol. 206; p. 816.
- Projectile. F. O. Hoagland. No. 1,091,224; Mar. 24; Gaz. vol. 200; p. 999.
- Projectile. F. O. Hoagland. No. 1,111,459; Sept. 22; Gaz. vol. 206; p. 1040.
- Projectile. F. O. Hoagland. No. 1,112,413; Sept. 29; Gaz. vol. 206; p. 1408.
- Projectile. J. B. Semple. No. 1,105,848; Aug. 4; Gaz. vol. 205; p. 92.
- Projectile. A. F. Shore. No. 1,089,161; Mar. 3; Gaz. vol. 200; p. 170.
- Projectile. A. J. Soden. No. 1,121,683; Dec. 22; Gaz. vol. 209; p. 1089.
- Projectile. J. A. Watson. No. 1,112,044; Sept. 29; Gaz. vol. 206; p. 1278.
- Projectile. K. Wieser. No. 1,098,202; May 26; Gaz. vol. 202; p. 1166.
- Projectile, Armor-piercing. W. H. Keen. No. 1,102,758; July 7; Gaz. vol. 204; p. 188.
- Projectile, Armor-piercing. A. J. Soden. No. 1,095,173; Apr. 28; Gaz. vol. 201; p. 1177.
- Projectile, Explosive. J. B. Semple. No. 1,105,849; Aug. 4; Gaz. vol. 205; p. 92.
- Projectile, Luminous. F. Ziegenfuss. No. 1,090,007; Mar. 10; Gaz. vol. 200; p. 505.
- Projectile, Luminous. F. Ziegenfuss. No. 1,108,654; Aug. 25; Gaz. vol. 205; p. 1212.
- Projectile-tracer. K. Wieser. No. 1,108,820; Aug. 25; Gaz. vol. 205; p. 1268.
- Projectile, Universal rifle-. J. W. P. Van Kampen and G. A. Cox. No. 1,094,395; Apr. 21; Gaz. vol. 201; p. 843.
- Projectiles, Cap for armor-piercing. W. A. Burton. No. 1,097,528; May 19; Gaz. vol. 202; p. 886.
- Projectiles, Cap for armor-piercing. R. A. Hadfield. No. 1,089,639; Mar. 10; Gaz. vol. 200; p. 378.
- Projectiles from aerial vessels, Apparatus for determining the angle of projection for. H. Boykow. No. 1,114,705; Oct. 20; Gaz. vol. 207; p. 884.
- Projectiles, Safety device in connection with mechanical time-fuses for artillery-. A. Junghans. No. 1,115,677; Nov. 3; Gaz. vol. 208; p. 72.
- Projecting apparatus. A. G. Donnelly. No. 1,115,913; Nov. 3; Gaz. vol. 208; p. 152.
- Projecting apparatus. A. F. Gall. No. 1,092,906; Apr. 14; Gaz. vol. 201; p. 303.
- Projecting apparatus. J. H. Genter. No. 1,097,013; May 19; Gaz. vol. 202; p. 706.
- Projecting apparatus. A. M. Henry. No. 1,119,597; Dec. 1; Gaz. vol. 209; p. 240.
- Projecting apparatus, Supporting structure for. E. Schneider. No. 1,104,834; July 28; Gaz. vol. 204; p. 1043.
- Projecting device. W. Webber. No. 1,091,992; Mar. 31; Gaz. vol. 200; p. 1302.
- Projection apparatus, Multiple. W. L. Patterson. No. 1,111,090; Sept. 22; Gaz. vol. 206; p. 914.
- Projection apparatus, Spot-light attachment for. E. P. Rauschert. No. 1,089,080; Mar. 3; Gaz. vol. 200; p. 139.
- Projection instrument. C. B. Boyle. No. 1,085,795; Feb. 3; Gaz. vol. 199; p. 78.
- Projectors, Arc-control mechanism for. J. L. Hall. No. 1,101,629; June 30; Gaz. vol. 203; p. 1307.
- Propeller. J. H. C. Alexander. No. 1,108,875; Sept. 1; Gaz. vol. 206; p. 3.
- Propeller. T. Amnelius. No. 1,123,202; Dec. 29; Gaz. vol. 209; p. 1658.
- Propeller. A. M. Bates. No. 1,100,942; June 23; Gaz. vol. 203; p. 1019.
- Propeller. C. A. Bryan. No. 1,090,271; Mar. 17; Gaz. vol. 200; p. 638.
- Propeller. H. Coanda. No. 1,104,963; July 28; Gaz. vol. 204; p. 1088.
- Propeller. C. W. Howell, Jr. No. 1,119,826; Dec. 8; Gaz. vol. 209; p. 354.
- Propeller. J. J. Ivancevich. No. 1,087,586; Feb. 17; Gaz. vol. 199; p. 795.
- Propeller. E. B. Knight. No. 1,098,156; May 26; Gaz. vol. 202; p. 1151.
- Propeller. G. Kovalevich. No. 1,105,801; Aug. 4; Gaz. vol. 205; p. 74.
- Propeller. C. A. Parsons. No. 1,107,101; Aug. 11; Gaz. vol. 205; p. 570.
- Propeller. W. Steinbach. No. 1,117,103; Nov. 10; Gaz. vol. 208; p. 609.
- Propeller. J. L. Stribling. No. 1,097,775; May 26; Gaz. vol. 202; p. 1018.
- Propeller. J. W. Walters. No. 1,087,203; Feb. 17; Gaz. vol. 199; p. 660.
- Propeller. J. F. Woodyard. No. 1,103,855; July 14; Gaz. vol. 204; p. 614.
- Propeller and driving means therefor. C. A. Krantz. No. 1,119,178; Dec. 1; Gaz. vol. 209; p. 97.
- Propeller-blade. L. Troxler. No. 1,097,199; May 19; Gaz. vol. 202; p. 772.
- Propeller, Boat-. W. N. Bell. No. 1,111,988; Sept. 29; Gaz. vol. 206; p. 1260.
- Propeller, Boat-. J. S. Blatzer and P. J. Pawloski. No. 1,089,391; Mar. 10; Gaz. vol. 200; p. 290.
- Propeller, Boat-. A. F. Henrichsen. No. 1,122,925; Dec. 29; Gaz. vol. 209; p. 1558.
- Propeller, Boat-. P. J. Miller. No. 1,095,344; May 5; Gaz. vol. 202; p. 59.
- Propeller, Boat-. C. H. Sawyer. No. 1,097,991; May 26; Gaz. vol. 202; p. 1095.
- Propeller, Boat-. H. Taylor. No. 1,092,960; Apr. 14; Gaz. vol. 201; p. 322.
- Propeller-drive for ships, Geared. J. G. Weir. No. 1,103,117; July 14; Gaz. vol. 204; p. 359.
- Propeller, Feathering-. E. M. Hartman. No. 1,099,701; June 9; Gaz. vol. 203; p. 501.
- Propeller for ships. G. Cardosa. No. 1,086,274; Feb. 3; Gaz. vol. 199; p. 242.
- Propeller, Marine. A. Zimmerman. No. 1,094,184; Apr. 21; Gaz. vol. 201; p. 776.
- Propeller mechanism. J. Konitzko. No. 1,110,497; Sept. 15; Gaz. vol. 206; p. 663.
- Propeller mechanism. C. M. Lee. No. 1,122,512; Dec. 29; Gaz. vol. 209; p. 1412.
- Propeller, Rowboat-. J. Granquist. No. 1,084,798; Jan. 20; Gaz. vol. 198; p. 572.
- Propeller, Screw-. J. P. Agan. No. 1,110,979; Sept. 15; Gaz. vol. 206; p. 832.
- Propeller, Screw-. H. Keitel. No. 1,095,732; May 5; Gaz. vol. 202; p. 191.
- Propeller, Screw-. L. M. Le Dantec. No. 1,115,946; Nov. 3; Gaz. vol. 208; p. 163.
- Propeller, Self-rotating. H. A. Duc, Jr. No. 1,099,083; June 2; Gaz. vol. 203; p. 242.
- Propeller-shutters. W. C. Riggin. No. 1,099,821; June 9; Gaz. vol. 203; p. 540.

Alphabetical list of inventions—Continued.

- Propeller, Turbinal screw-. W. J. Zinteck. No. 1,090,956; Mar. 24; Gaz. vol. 200; p. 905.
- Propeller, Water-. T. and L. E. Salvesson. No. 1,084,488; Jan. 13; Gaz. vol. 198; p. 435.
- Propeller, Water-craft. J. S. Orr. No. 1,094,007; Apr. 21; Gaz. vol. 201; p. 716.
- Propelling a body through the water, Device for manually. C. H. Wyche. No. 1,090,004; Mar. 10; Gaz. vol. 200; p. 504.
- Propelling boats and the like, Means for. I. R. Fleming. No. 1,091,320; Mar. 24; Gaz. vol. 200; p. 1028.
- Propelling device for boats. C. A. Tracy. No. 1,121,955; Dec. 22; Gaz. vol. 209; p. 1184.
- Propelling means for vessels. M. D. Russel. No. 1,122,647; Dec. 29; Gaz. vol. 209; p. 1460.
- Propelling mechanism. J. Turner. No. 1,109,155; Sept. 1; Gaz. vol. 206; p. 105.
- Propelling mechanism, Boat-. E. H. Heinke. No. 1,120,485; Dec. 8; Gaz. vol. 209; p. 586.
- Propelling mechanism, Boat-. J. N. Howell. No. 1,122,932; Dec. 29; Gaz. vol. 209; p. 1560.
- Propelling mechanism, Boat-. J. B. Trescott and R. C. Busch. No. 1,091,257; Mar. 24; Gaz. vol. 200; p. 1010.
- Propelling mechanism for boats. G. S. Beckman. No. 1,098,467; June 2; Gaz. vol. 203; p. 39.
- Propelling ships and boats and apparatus therefor, Method of. A. R. Pullen. No. 1,116,117; Nov. 3; Gaz. vol. 208; p. 223.
- Propelling ships by polyphase electric current. E. Thomson. No. 1,118,382; Nov. 24; Gaz. vol. 208; p. 1137.
- Propelling ships, &c., Means for. M. Gounouilhau. No. 1,095,106; Apr. 28; Gaz. vol. 201; p. 1152.
- Proportional indicating device. W. M. Trick. No. 1,091,872; Mar. 31; Gaz. vol. 200; p. 1262.
- Propulsion apparatus, Marine. E. F. Bubb. No. 1,092,520; Apr. 7; Gaz. vol. 201; p. 137.
- Propulsion, Marine. G. W. Beeson. No. 1,090,830; Mar. 24; Gaz. vol. 200; p. 861.
- Propulsion mechanism, Marine. O. Evinrude. No. 1,087,162; Feb. 17; Gaz. vol. 199; p. 645.
- Propulsion of vessels. G. S. Edlin. No. 1,117,351; Nov. 17; Gaz. vol. 208; p. 737.
- Propulsion of vessels on and immersed in water. A. Glenn. No. 1,093,693; Apr. 21; Gaz. vol. 201; p. 612.
- Propulsion, Ship. W. L. R. Emmet. No. 1,095,461; May 5; Gaz. vol. 202; p. 98.
- Propulsion system. J. T. Lister. No. 1,095,967; May 5; Gaz. vol. 202; p. 268.
- Propulsion, System of ship. W. L. R. Emmet. No. 1,100,721; June 23; Gaz. vol. 203; p. 940.
- Protecting apparatus, Portable. E. L. Maltby. No. 1,122,016; Dec. 22; Gaz. vol. 209; p. 1206.
- Protective device. W. L. Cook and G. W. Rodormer. No. 1,122,575; Dec. 29; Gaz. vol. 209; p. 1434.
- Protective device. E. E. F. Creighton. No. 1,099,590; June 9; Gaz. vol. 203; p. 462.
- Protective device. E. E. F. Creighton. No. 1,099,968; June 16; Gaz. vol. 203; p. 628.
- Protective device. H. A. Steen. No. 1,110,151; Sept. 8; Gaz. vol. 206; p. 502.
- Protective device. E. B. Wedmore. No. 1,114,558; Oct. 20; Gaz. vol. 207; p. 835.
- Protector. P. H. Cordova. No. 1,097,538; May 19; Gaz. vol. 202; p. 889.
- Protector. A. A. Ulrich. No. 1,110,017; Sept. 8; Gaz. vol. 206; p. 452.
- Protector. J. Zwilling. No. 1,106,911; Aug. 11; Gaz. vol. 205; p. 507.
- Protector, Gutter-. J. C. Kough, Jr. No. 1,121,732; Dec. 22; Gaz. vol. 209; p. 1106.
- Protein compound obtained from fish and making the same, Soluble. R. Adler. No. 1,100,513; June 23; Gaz. vol. 203; p. 1216.
- Protractor. F. H. Colpitts. No. 1,095,552; May 5; Gaz. vol. 202; p. 131.
- Protractor. A. Ferraris. No. 1,087,751; Feb. 17; Gaz. vol. 199; p. 852.
- Protractor. H. H. Lightle. No. 1,096,511; May 12; Gaz. vol. 202; p. 491.
- Protractor. E. D. Moreton. No. 1,107,983; Aug. 18; Gaz. vol. 205; p. 930.
- Protractor, Adjustable arm-. H. B. Hill. No. 1,096,107; May 12; Gaz. vol. 202; p. 353.
- Prune-gatherer. E. E. Mack. No. 1,095,585; May 5; Gaz. vol. 202; p. 141.
- Pruner, Combination-. M. Philbert. No. 1,111,672; Sept. 22; Gaz. vol. 206; p. 1115.
- Pruning implement. S. O. Barron and G. W. Faulkner. No. 1,108,670; Aug. 25; Gaz. vol. 205; p. 1217.
- Pruning implement. F. E. Munsell. No. 1,098,290; May 26; Gaz. vol. 202; p. 1198.
- Pruning implement. F. C. Scott. No. 1,092,954; Apr. 14; Gaz. vol. 201; p. 320.
- Pruning implement. W. H. Soupene. No. 1,084,373; Jan. 13; Gaz. vol. 198; p. 399.
- Pruning implement. K. Tsuboi. No. 1,109,488; Sept. 1; Gaz. vol. 206; p. 222.
- Pruning or like implement. W. A. Bernard. No. 1,104,768; July 28; Gaz. vol. 204; p. 1020.
- Pruning-shears. H. C. Brooks. No. 1,117,776; Nov. 17; Gaz. vol. 208; p. 888.
- Pull-button-controlling switch. C. H. Hill. No. 1,096,913; May 19; Gaz. vol. 202; p. 671.
- Pull-rod clamp, Universal. C. S. Wright. No. 1,106,856; Aug. 11; Gaz. vol. 205; p. 488.
- Pull-socket. C. R. Hare. No. 1,094,206; Apr. 21; Gaz. vol. 201; p. 783.
- Pull-socket. H. R. Sargent and T. Koch. No. 1,122,031; Dec. 22; Gaz. vol. 209; p. 1212.
- Pull-switch socket. R. B. Benjamin. No. 1,102,639; July 7; Gaz. vol. 204; p. 147.
- Puller. See Automobile-puller; Beet-puller; Board-puller; Candy-puller; Cork-puller; Cotton-stalk puller; Drill-puller; Flax-puller; Log-dog puller; Pile-puller; Pipe and bolt puller; Plug-puller; Snake-puller; Spike-puller; Stalk-puller; Stub-puller; Stump-puller; Tack-puller; Weed-puller; Wheel-puller.
- Pulling-jack. S. Zimmermann. No. 1,096,662; May 12; Gaz. vol. 202; p. 542.
- Pulling-machine. C. H. Overly and O. A. Thompson. No. 1,110,004; Sept. 8; Gaz. vol. 206; p. 447.
- Pulling-machine, Portable. C. H. Overly and O. A. Thompson. No. 1,110,003; Sept. 8; Gaz. vol. 206; p. 447.
- Pulling-over machine. H. A. Ballard. No. 1,117,301; Nov. 17; Gaz. vol. 208; p. 719.
- Pulling-over machine. J. A. G. Iffert. No. 1,097,324; May 19; Gaz. vol. 202; p. 817.
- Pulling-over machine. R. F. McFeely. No. 1,090,220; Aug. 8; Gaz. vol. 206; p. 508.
- Pulling-over machines, Tip-measure for. A. L. Coombs. No. 1,104,878; July 28; Gaz. vol. 204; p. 1058.
- Pulley. L. A. Biggar. No. 1,120,590; Dec. 8; Gaz. vol. 209; p. 623.
- Pulley. J. C. Fitzgerald. No. 1,092,098; Mar. 31; Gaz. vol. 200; p. 1337.
- Pulley. N. B. Hurd. No. 1,111,260; Sept. 22; Gaz. vol. 206; p. 972.
- Pulley. J. C. Kamp and A. E. Finch. No. 1,102,928; July 7; Gaz. vol. 204; p. 245.
- Pulley. C. L. Speight. No. 1,122,324; Dec. 29; Gaz. vol. 209; p. 1350.
- Pulley and block therefor. H. E. Williamson. No. 1,111,118; Sept. 22; Gaz. vol. 206; p. 923.
- Pulley and lock for cables. A. J. Hagan. No. 1,107,934; Aug. 18; Gaz. vol. 205; p. 913.
- Pulley-belt, Antislipping. H. J. Steigerwald. No. 1,098,990; June 2; Gaz. vol. 203; p. 214.
- Pulley-coverings, Grip for. O. Larson. No. 1,114,775; Oct. 27; Gaz. vol. 207; p. 963.
- Pulley device, Governor. C. P. Strite. No. 1,109,877; Sept. 8; Gaz. vol. 206; p. 401.
- Pulley, Expandable. W. T. W. H. and P. C. Philipson. No. 1,112,345; Sept. 29; Gaz. vol. 206; p. 1384.
- Pulley, Expansion-. L. W. Campbell. No. 1,119,746; Dec. 1; Gaz. vol. 209; p. 289.
- Pulley-fastening. A. C. Thorpe. No. 1,087,265; Feb. 17; Gaz. vol. 199; p. 683.
- Pulley, Friction-. A. R. Ebenreiter. No. 1,090,462; Mar. 17; Gaz. vol. 200; p. 706.
- Pulley, Guide-. J. Murray. No. 1,091,007; Mar. 24; Gaz. vol. 200; p. 922.
- Pulley, Lifting-. W. H. Pond. No. 1,084,292; Jan. 13; Gaz. vol. 198; p. 373.
- Pulley remover and replacer. W. R. Clayton and D. H. Jones. No. 1,108,135; Aug. 25; Gaz. vol. 205; p. 1032.
- Pulley-rim. J. D. Crawford. No. 1,100,541; June 16; Gaz. vol. 203; p. 826.
- Pulley safety device. W. Schoepke. No. 1,087,836; Feb. 17; Gaz. vol. 199; p. 881.
- Pulley safety device. W. Schoepke. No. 1,089,971; Mar. 10; Gaz. vol. 200; p. 493.
- Pulley, Sash-. U. G. McQueen. No. 1,104,525; July 21; Gaz. vol. 204; p. 888.
- Pulley, Self-lubricating. M. D. Phelan. No. 1,118,043; Nov. 24; Gaz. vol. 208; p. 1018.
- Pulley, Sheet-metal. W. Sparks. No. 1,090,505; Mar. 17; Gaz. vol. 200; p. 721.
- Pulley, Split. C. W. Jones. No. 1,120,202; Dec. 8; Gaz. vol. 209; p. 486.
- Pulley, Tension-. H. G. Beede. No. 1,086,699; Feb. 10; Gaz. vol. 199; p. 436.
- Pulleys and the like, Apparatus for cutting keyways in. E. Rau. No. 1,120,652; Dec. 8; Gaz. vol. 209; p. 646.
- Pulleys, Device for applying leather facings to. R. V. Hirschmann. No. 1,085,424; Jan. 27; Gaz. vol. 198; p. 822.
- Pulp, Apparatus for treating and delivering. W. F. Traudt. No. 1,089,165; Mar. 3; Gaz. vol. 200; p. 171.
- Pulp-boxes, Automatic gate for. H. S. Harcourt. No. 1,123,124; Dec. 29; Gaz. vol. 209; p. 1629.
- Pulp-disintegrating apparatus. W. H. Stobie. No. 1,099,579; Jan. 9; Gaz. vol. 203; p. 459.
- Pulp-disintegrating apparatus. W. H. Stobie. No. 1,099,580; June 9; Gaz. vol. 203; p. 459.
- Pulp-disintegrating apparatus. W. H. Stobie. No. 1,123,033; Dec. 29; Gaz. vol. 209; p. 1598.
- Pulp-distributing machine. V. C. Bennett and G. Drummond. No. 1,100,649; June 16; Gaz. vol. 203; p. 860.

Alphabetical list of inventions—Continued.

- Pulp-feed regulator. E. Beecher. No. 1,088,679; Mar. 3; Gaz. vol. 200; p. 3.
- Pulp from waste papers, Recovery of. J. M. Burby. No. 1,112,887; Oct. 6; Gaz. vol. 207; p. 166.
- Pulp-grinder. J. W. Walters. No. 1,088,857; Mar. 3; Gaz. vol. 200; p. 63.
- Pulp mills, Plant for removing water from pulp in wood-. P. C. Schaanning. No. 1,094,378; Apr. 21; Gaz. vol. 201; p. 837.
- Pulp, Preparing. C. Bache-Wüg. No. 1,084,244; Jan. 13; Gaz. vol. 198; p. 359.
- Pulp-reducing apparatus. C. W. Shartle. No. 1,091,899; Mar. 31; Gaz. vol. 200; p. 1270.
- Pulp-screen, Centrifugal. A. J. Haug. No. 1,106,808; Aug. 11; Gaz. vol. 205; p. 471.
- Pulp-screens, Fastening device for. M. E. Hodgdon. No. 1,085,043; Jan. 20; Gaz. vol. 198; p. 653.
- Pulp thickener and save-all, Wood-. A. D. Wood. No. 1,103,725; July 14; Gaz. vol. 204; p. 571.
- Pulp-thickening apparatus. J. E. Rothwell. No. 1,099,396; June 9; Gaz. vol. 203; p. 396.
- Pulp-washing machine. J. Schneible. No. 1,111,408; Sept. 22; Gaz. vol. 206; p. 1023.
- Pulsator. A. H. Gibson. No. 1,085,978; Feb. 3; Gaz. vol. 199; p. 142.
- Pulverizer. C. A. Bates. No. 1,102,230; July 7; Gaz. vol. 204; p. 4.
- Pulverizer. C. A. Dreisbach. No. 1,118,846; Nov. 24; Gaz. vol. 208; p. 1296.
- Pulverizer. J. Hyde. No. 1,118,775; Nov. 24; Gaz. vol. 208; p. 1273.
- Pulverizer. J. B. Knoblock. No. 1,104,121; July 21; Gaz. vol. 204; p. 747.
- Pulverizer. W. K. Liggett. No. 1,085,692; Feb. 3; Gaz. vol. 199; p. 40.
- Pulverizer. J. C. Mire. No. 1,095,911; May 5; Gaz. vol. 202; p. 250.
- Pulverizer, Clod-. J. F. Wittler. No. 1,120,875; Dec. 15; Gaz. vol. 209; p. 771.
- Pulverizer, Ground-. O. H. Greene. No. 1,101,921; June 30; Gaz. vol. 203; p. 1407.
- Pulverizer, Soil-. J. M. Briles. No. 1,107,891; Aug. 18; Gaz. vol. 205; p. 899.
- Pulverizer, Soil-. L. Chesser. No. 1,089,325; Mar. 3; Gaz. vol. 200; p. 221.
- Pulverizer, Soil-. F. Jozsibán. No. 1,111,539; Sept. 22; Gaz. vol. 206; p. 1068.
- Pulverizer, Soil-. J. Vieira. No. 1,112,499; Oct. 6; Gaz. vol. 207; p. 30.
- Pulverizer, Surface-. T. Slawson. No. 1,097,685; May 26; Gaz. vol. 202; p. 985.
- Pulverizing apparatus. A. Granger. No. 1,111,454; Sept. 22; Gaz. vol. 206; p. 1038.
- Pulverizing apparatus. C. A. Hupp. No. 1,121,631; Dec. 22; Gaz. vol. 209; p. 1070.
- Pulverizing carbon, Composition for. A. S. Olin. No. 1,116,614; Nov. 10; Gaz. vol. 208; p. 438.
- Pulverizing implement for the treatment of fallow and other land. J. H. Parkin. No. 1,100,395; June 16; Gaz. vol. 203; p. 777.
- Pulverizing-machine. F. R. Willson, Jr. No. 1,084,516; Jan. 13; Gaz. vol. 198; p. 444.
- Pulverizing-mill. E. Barthelmess. No. 1,103,557; July 14; Gaz. vol. 204; p. 509.
- Pulverizing-mill. B. C. Bradley. No. 1,114,103; Oct. 20; Gaz. vol. 207; p. 673.
- Pulverizing-mill. C. Crowell. No. 1,091,042; Mar. 24; Gaz. vol. 200; p. 935.
- Pulverizing-mill. J. H. Kelly. No. 1,083,283; Jan. 6; Gaz. vol. 198; p. 8.
- Pulverizing or grinding machine. E. J. Steckle. No. 1,092,302; Apr. 7; Gaz. vol. 201; p. 63.
- Pulverizing or grinding mill. J. W. Wood. No. 1,116,193; Nov. 3; Gaz. vol. 208; p. 248.
- Pulverizing-tool. J. Carroll. No. 1,098,225; May 26; Gaz. vol. 202; p. 1175.
- Pulverulent material, Machine for packing. J. C. Thom. No. 1,092,232; Apr. 7; Gaz. vol. 201; p. 37.
- Pulverulent materials for molding or briquetting, Apparatus for preparing. E. B. A. and R. A. Zwoyer. No. 1,084,919; Jan. 20; Gaz. vol. 198; p. 612.
- Pulverulent materials for molding or briquetting, Preparing. E. B. A. and R. A. Zwoyer. No. 1,084,920; Jan. 20; Gaz. vol. 198; p. 612.
- Pump. R. B. Ackerman. No. 1,110,522; Sept. 15; Gaz. vol. 206; p. 672.
- Pump. O. C. Ahlborn. No. 1,099,155; June 9; Gaz. vol. 203; p. 311.
- Pump. C. Anderson and H. M. Ruddock. No. 1,092,324; Apr. 7; Gaz. vol. 201; p. 70.
- Pump. A. A. Bowser. No. 1,102,468; July 7; Gaz. vol. 204; p. 87.
- Pump. C. Bresnahan. No. 1,085,963; Feb. 3; Gaz. vol. 199; p. 137.
- Pump. L. A. Brigel. No. 1,119,801; Dec. 8; Gaz. vol. 209; p. 345.
- Pump. J. F. Bullard. No. 1,117,942; Nov. 17; Gaz. vol. 208; p. 942.
- Pump. T. Cairns. No. 1,098,558; June 2; Gaz. vol. 203; p. 71.
- Pump. W. A. Campbell. No. 1,121,797; Dec. 22; Gaz. vol. 209; p. 1127.
- Pump. E. W. Cash. No. 1,085,666; Feb. 3; Gaz. vol. 199; p. 31.
- Pump. M. T. and M. C. Chapman. No. 1,114,230; Oct. 20; Gaz. vol. 207; p. 719.
- Pump. E. W. Clark. No. 1,104,962; July 28; Gaz. vol. 204; p. 1087.
- Pump. W. O. Crocker. No. 1,118,533; Nov. 24; Gaz. vol. 208; p. 1191.
- Pump. C. R. Curtis. No. 1,117,982; Nov. 24; Gaz. vol. 208; p. 997.
- Pump. C. R. Edwards. No. 1,084,413; Jan. 13; Gaz. vol. 198; p. 412.
- Pump. W. H. Elizerman. No. 1,087,160; Feb. 17; Gaz. vol. 199; p. 644.
- Pump. A. M. Farmer. No. 1,122,376; Dec. 29; Gaz. vol. 209; p. 1367.
- Pump. W. M. Fleming. No. 1,109,672; Sept. 8; Gaz. vol. 206; p. 328.
- Pump. J. Fournia. No. 1,099,977; June 16; Gaz. vol. 203; p. 631.
- Pump. C. H. Fox. No. 1,091,496; Mar. 31; Gaz. vol. 200; p. 1131.
- Pump. C. H. Fox. No. 1,103,190; July 14; Gaz. vol. 204; p. 386.
- Pump. W. S. Franklin. No. 1,101,266; June 23; Gaz. vol. 203; p. 1130.
- Pump. B. O. Gage. No. 1,096,619; May 12; Gaz. vol. 202; p. 527.
- Pump. H. W. Hancock. No. 1,108,903; Sept. 1; Gaz. vol. 206; p. 14.
- Pump. H. H. Harmon. No. 1,116,269; Nov. 3; Gaz. vol. 208; p. 273.
- Pump. T. J. Hayes. No. 1,114,689; Oct. 20; Gaz. vol. 207; p. 878.
- Pump. J. J. Hess. No. 1,111,068; Sept. 22; Gaz. vol. 206; p. 906.
- Pump. O. W. Johnson. No. 1,084,885; Jan. 20; Gaz. vol. 198; p. 600.
- Pump. O. W. Johnson. No. 1,121,588; Dec. 15; Gaz. vol. 209; p. 1020.
- Pump. H. Lemp. No. 1,118,363; Nov. 24; Gaz. vol. 208; p. 1130.
- Pump. E. A. McCurdy. No. 1,092,159; Apr. 7; Gaz. vol. 201; p. 12.
- Pump. G. Miller and N. J. Beckner. No. 1,087,675; Feb. 17; Gaz. vol. 199; p. 828.
- Pump. I. Mitchell. No. 1,088,608; Feb. 24; Gaz. vol. 199; p. 1188.
- Pump. H. G. Moss and W. Chappius. No. 1,089,720; Mar. 10; Gaz. vol. 200; p. 406.
- Pump. D. J. Muncy. No. 1,088,238; Feb. 24; Gaz. vol. 199; p. 1067.
- Pump. P. A. Myers. No. 1,098,520; June 2; Gaz. vol. 203; p. 57.
- Pump. M. Ness. No. 1,092,382; Apr. 7; Gaz. vol. 201; p. 88.
- Pump. J. A. Norton. No. 1,087,253; Feb. 17; Gaz. vol. 199; p. 679.
- Pump. H. W. Pierson. No. 1,122,418; Dec. 29; Gaz. vol. 209; p. 1380.
- Pump. E. T. Robinson. No. 1,122,160; Dec. 22; Gaz. vol. 209; p. 1254.
- Pump. F. M. Schorn. No. 1,096,463; May 12; Gaz. vol. 202; p. 475.
- Pump. J. A. Schwantes. No. 1,090,884; Mar. 24; Gaz. vol. 200; p. 879.
- Pump. P. T. Snyder. No. 1,085,949; Feb. 3; Gaz. vol. 199; p. 132.
- Pump. C. H. Stage. No. 1,118,963; Dec. 1; Gaz. vol. 209; p. 20.
- Pump. K. Steinbecker. No. 1,119,657; Dec. 1; Gaz. vol. 209; p. 260.
- Pump. F. C. Teuff. No. 1,112,339; Sept. 29; Gaz. vol. 206; p. 1382.
- Pump. P. W. and J. J. Thiesen. No. 1,091,173; Mar. 24; Gaz. vol. 200; p. 980.
- Pump. C. J. Uhlarick. No. 1,095,608; May 5; Gaz. vol. 202; p. 149.
- Pump. G. Walinder. No. 1,097,955; May 26; Gaz. vol. 202; p. 1082.
- Pump. R. S. Walker. No. 1,100,796; June 23; Gaz. vol. 203; p. 966.
- Pump. E. N. and F. J. Ward. No. 1,122,178; Dec. 22; Gaz. vol. 209; p. 1260.
- Pump. J. E. Weaver. No. 1,115,261; Oct. 27; Gaz. vol. 207; p. 1135.
- Pump, Air-. J. K. Dalton. No. 1,117,001; Nov. 10; Gaz. vol. 208; p. 574.
- Pump, Air-. A. F. Krause. No. 1,119,834; Dec. 8; Gaz. vol. 209; p. 357.
- Pump, Air-. C. E. L. Lipman. No. 1,091,456; Mar. 24; Gaz. vol. 200; p. 1071.
- Pump, Air-. C. E. L. Lipman. No. 1,092,495; Apr. 7; Gaz. vol. 201; p. 130.
- Pump, Air-. V. H. Meyer. No. 1,098,633; June 2; Gaz. vol. 203; p. 95.
- Pump, Air-brake. J. Schmid, Jr. No. 1,100,328; June 16; Gaz. vol. 203; p. 753.

Alphabetical list of inventions—Continued.

- Pump-anchor. C. L. Wood. No. 1,108,537; Aug. 25; Gaz. vol. 205; p. 1173.
- Pump and air-compressor. L. H. Nash. No. 1,091,529; Mar. 31; Gaz. vol. 200; p. 1142.
- Pump and air-compressor, Centrifugal. W. Kieser. No. 1,115,942; Nov. 3; Gaz. vol. 208; p. 162.
- Pump and compressor or the like, Centrifugal. H. Guyer. No. 1,083,739; Jan. 6; Gaz. vol. 198; p. 160.
- Pump and motor, Rotary. G. F. Nelson. No. 1,098,458; June 2; Gaz. vol. 203; p. 35.
- Pump and stopper, Automatic reacting siphon air-. A. P. Goff. No. 1,106,937; Aug. 11; Gaz. vol. 205; p. 517.
- Pump and tank, Combination. D. A. Corey and H. J. Grosvenor. No. 1,109,663; Sept. 8; Gaz. vol. 206; p. 324.
- Pump and valve therefor, Air-. J. Keppel. No. 1,111,906; Sept. 29; Gaz. vol. 206; p. 1235.
- Pump apparatus, Jet-. L. Kassander. No. 1,109,682; Sept. 8; Gaz. vol. 206; p. 333.
- Pump apparatus, Jet-. W. E. Wollheim. No. 1,111,343; Sept. 22; Gaz. vol. 206; p. 1001.
- Pump attachment. W. H. Goss. No. 1,099,596; June 9; Gaz. vol. 203; p. 465.
- Pump attachment, Centrifugal. A. C. Paulsmeier. No. 1,111,319; Sept. 22; Gaz. vol. 206; p. 992.
- Pump attachment for motor-vehicle engines. F. G. Folberth. No. 1,107,054; Aug. 11; Gaz. vol. 205; p. 554.
- Pump, Automatic. E. J. Thayer. No. 1,088,045; Feb. 24; Gaz. vol. 199; p. 1001.
- Pump, Automatically-adjustable hydraulic. P. H. Mistral and A. R. Broche. No. 1,119,029; Dec. 1; Gaz. vol. 209; p. 46.
- Pump, Automobile tire-. C. P. McDowell and R. H. Easter. No. 1,098,674; June 2; Gaz. vol. 203; p. 108.
- Pump, Balanced centrifugal. C. Comstock. No. 1,085,020; Jan. 20; Gaz. vol. 198; p. 646.
- Pump-barrel. R. Conrader. No. 1,112,677; Oct. 6; Gaz. vol. 207; p. 96.
- Pump-barrel. C. A. Waitz. No. 1,088,491; Feb. 24; Gaz. vol. 199; p. 1151.
- Pump, Barrel-. L. Willis. No. 1,098,929; June 2; Gaz. vol. 203; p. 195.
- Pump, Bellows suction-. S. P. Sanders. No. 1,095,930; May 5; Gaz. vol. 202; p. 256.
- Pump, Bicycle-. J. T. Johnson. No. 1,091,435; Mar. 24; Gaz. vol. 200; p. 1065.
- Pump, Bilge-. T. S. Bulmer. No. 1,117,779; Nov. 17; Gaz. vol. 208; p. 888.
- Pump, Breast-. C. A. Tatum. No. 1,101,973; June 30; Gaz. vol. 203; p. 1426.
- Pump, Cam-. A. D. Cook. No. 1,117,166; Nov. 17; Gaz. vol. 208; p. 669.
- Pump, Centrifugal. A. P. Blackstead. No. 1,109,393; Sept. 1; Gaz. vol. 206; p. 192.
- Pump, Centrifugal. W. D. Carter. No. 1,118,739; Nov. 24; Gaz. vol. 208; p. 1262.
- Pump, Centrifugal. C. Comstock. No. 1,084,928; Jan. 20; Gaz. vol. 198; p. 615.
- Pump, Centrifugal. A. N. Cooper. No. 1,110,421; Sept. 15; Gaz. vol. 206; p. 636.
- Pump, Centrifugal. G. H. Gibson. No. 1,099,921; June 16; Gaz. vol. 203; p. 612.
- Pump, Centrifugal. C. V. Kerr. No. 1,089,770; Mar. 10; Gaz. vol. 200; p. 423.
- Pump, Centrifugal. W. Kieser. No. 1,090,073; Mar. 10; Gaz. vol. 200; p. 527.
- Pump, Centrifugal. F. W. Krogh. No. 1,117,861; Nov. 17; Gaz. vol. 208; p. 915.
- Pump, Centrifugal. F. Lobnitz. No. 1,086,063; Feb. 3; Gaz. vol. 199; p. 174.
- Pump, Centrifugal. M. B. Macneill. No. 1,105,807; Aug. 4; Gaz. vol. 205; p. 77.
- Pump, Centrifugal. M. B. Macneill. No. 1,105,808; Aug. 4; Gaz. vol. 205; p. 78.
- Pump, Centrifugal. A. G. M. Michell. No. 1,089,248; Mar. 3; Gaz. vol. 200; p. 197.
- Pump, Centrifugal. E. Thomson. No. 1,112,238; Sept. 29; Gaz. vol. 206; p. 1347.
- Pump, Centrifugal. E. Thomson. No. 1,118,383; Nov. 24; Gaz. vol. 208; p. 1137.
- Pump, Centrifugal air-. G. Pagel. No. 1,089,665; Mar. 10; Gaz. vol. 200; p. 388.
- Pump, Centrifugal, turbine, and similar. J. J. Brown. No. 1,112,518; Oct. 6; Gaz. vol. 207; p. 37.
- Pump, Centrifugal, turbine, and similar. C. G. De Laval. No. 1,094,836; Apr. 28; Gaz. vol. 201; p. 1060.
- Pump, Centrifugal, turbine, and similar. G. Sulzer. No. 1,118,070; Nov. 24; Gaz. vol. 208; p. 1028.
- Pump, Centrifugal, turbine, or similar. W. R. Wilson. No. 1,094,181; Apr. 21; Gaz. vol. 201; p. 775.
- Pump-cylinder. L. J. Black. No. 1,088,520; Feb. 24; Gaz. vol. 199; p. 1160.
- Pump-cylinder. V. E. Canode. No. 1,120,998; Dec. 15; Gaz. vol. 209; p. 814.
- Pump-cylinder. L. G. Eddy. No. 1,090,037; Mar. 10; Gaz. vol. 200; p. 515.
- Pump, Chain. J. E. Merwin. No. 1,098,953; June 2; Gaz. vol. 203; p. 202.
- Pump, Combination-. C. R. Houghton. No. 1,101,493; June 23; Gaz. vol. 203; p. 1208.
- Pump, Compound rotary. C. E. Hultgreen. No. 1,111,307; Sept. 22; Gaz. vol. 206; p. 988.
- Pump, Compressor-. T. E. Murray and A. W. H. Gripe. No. 1,103,986; July 21; Gaz. vol. 204; p. 700.
- Pump construction. H. De Huff. No. 1,107,591; Aug. 18; Gaz. vol. 205; p. 795.
- Pump control. M. D. Compton. No. 1,116,998; Nov. 10; Gaz. vol. 208; p. 573.
- Pump, Deep-well. G. A. Griffin. No. 1,102,908; July 7; Gaz. vol. 204; p. 238.
- Pump, Deep-well. W. B. Hewitt. No. 1,102,583; July 7; Gaz. vol. 204; p. 127.
- Pump, Deep-well. T. O. Perry. No. 1,085,756; Feb. 3; Gaz. vol. 199; p. 64.
- Pump, Deep-well. J. L. Sebastian. No. 1,106,850; Aug. 11; Gaz. vol. 205; p. 486.
- Pump, Deep-well. A. C. Terkelson. No. 1,097,376; May 19; Gaz. vol. 202; p. 835.
- Pump, Diver's air-. J. F. Deray. No. 1,107,414; Aug. 18; Gaz. vol. 205; p. 733.
- Pump drive-gearing. G. A. Kleinow. No. 1,115,837; Nov. 3; Gaz. vol. 208; p. 125.
- Pump-driving mechanism. T. F. Mulligan. No. 1,102,537; July 7; Gaz. vol. 204; p. 110.
- Pump, Dry vacuum-. E. W. Christie. No. 1,093,313; Apr. 14; Gaz. vol. 201; p. 445.
- Pump, Duplex steam-. J. Kofoed. No. 1,114,008; Oct. 20; Gaz. vol. 207; p. 639.
- Pump-equalizer. C. D. Shellabarger. No. 1,109,706; Sept. 8; Gaz. vol. 206; p. 342.
- Pump, Fire-. J. B. Rogers and H. L. Collett. No. 1,119,990; Dec. 8; Gaz. vol. 209; p. 411.
- Pump, Fluid-. G. Leeson. No. 1,091,067; Mar. 24; Gaz. vol. 200; p. 944.
- Pump, Fluid-measuring. A. L. Primeau. No. 1,116,732; Nov. 10; Gaz. vol. 208; p. 479.
- Pump, Fluid-pressure-driven. C. G. Weld. No. 1,114,659; Oct. 20; Gaz. vol. 207; p. 868.
- Pump for automobile-tires. J. H. Templin. No. 1,087,201; Feb. 17; Gaz. vol. 199; p. 659.
- Pump for automobiles, Air-. C. N. Colstad. No. 1,100,056; June 16; Gaz. vol. 203; p. 658.
- Pump for automobiles, Water-. W. M. Remington. No. 1,100,327; June 16; Gaz. vol. 203; p. 753.
- Pump for conveying gases, Valveless. W. Hohagen. No. 1,107,425; Aug. 18; Gaz. vol. 205; p. 736.
- Pump for engines, Fuel-. W. E. Ver Planck. No. 1,116,959; Nov. 10; Gaz. vol. 208; p. 558.
- Pump for internal-combustion engines, Fuel-. O. Lietzenmayer. No. 1,095,004; Apr. 28; Gaz. vol. 201; p. 1119.
- Pump for internal-combustion engines, Fuel-. O. F. Persson. No. 1,118,796; Nov. 24; Gaz. vol. 208; p. 1279.
- Pump for lubricating systems. E. Woerner. No. 1,099,229; June 9; Gaz. vol. 203; p. 338.
- Pump for motor-vehicles. A. Loomis. No. 1,089,419; Mar. 10; Gaz. vol. 200; p. 301.
- Pump for oil and like wells. C. W. Bell. No. 1,114,721; Oct. 27; Gaz. vol. 207; p. 943.
- Pump for oil-wells, Sand-. J. H. McGee. No. 1,118,787; Nov. 24; Gaz. vol. 208; p. 1277.
- Pump for suction-cleaners. J. J. Sleeper. No. 1,093,014; Apr. 14; Gaz. vol. 201; p. 339.
- Pump for vacuum-cleaners. A. O. Carman. No. 1,119,748; Dec. 1; Gaz. vol. 209; p. 289.
- Pump for vacuum-cleaners. J. Schirra. No. 1,095,236; May 5; Gaz. vol. 202; p. 22.
- Pump for wells. G. H. Albee. No. 1,108,856; Aug. 25; Gaz. vol. 205; p. 1282.
- Pump foundation. H. and C. Geselbracht. No. 1,119,077; Dec. 1; Gaz. vol. 209; p. 63.
- Pump, Fuel-. C. Day and G. E. Windeler. No. 1,115,179; Oct. 27; Gaz. vol. 207; p. 1107.
- Pump, Fuel-. C. Day and G. E. Windeler. No. 1,115,180; Oct. 27; Gaz. vol. 207; p. 1107.
- Pump, Fuel-. H. Lemp. No. 1,112,299; Sept. 29; Gaz. vol. 206; p. 1367.
- Pump, Fuel-. L. V. Stoeltzlen. No. 1,108,811; Aug. 25; Gaz. vol. 205; p. 1265.
- Pump, Gear-. A. Sundh. No. 1,105,312; July 28; Gaz. vol. 204; p. 1209.
- Pump-governor. K. A. Kendrick. No. 1,108,183; Aug. 25; Gaz. vol. 205; p. 1048.
- Pump-governor, Duplex-pressure electric. W. V. Turner. No. 1,112,495; Oct. 6; Gaz. vol. 207; p. 28.
- Pump-governor safety device. F. L. Crittenden. No. 1,115,511; Nov. 3; Gaz. vol. 208; p. 15.
- Pump, Hand-. G. W. Cooper. No. 1,101,410; June 23; Gaz. vol. 203; p. 1178.
- Pump, Hand-. A. C. Stiefel. No. 1,108,637; Aug. 25; Gaz. vol. 205; p. 1207.
- Pump-head-reciprocating mechanism. J. G. Dorward. No. 1,099,874; June 9; Gaz. vol. 203; p. 559.
- Pump, Hydraulic. J. Davidson. No. 1,103,569; July 14; Gaz. vol. 204; p. 514.
- Pump, Hydraulic air-. H. E. Kruecke. No. 1,117,581; Nov. 17; Gaz. vol. 208; p. 816.
- Pump, Impeller-. H. G. Johnston. No. 1,090,066; Mar. 10; Gaz. vol. 200; p. 525.
- Pump, Impulse-. J. B. Cann. No. 1,097,531; May 19; Gaz. vol. 202; p. 887.

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- Pump, Impulse-. W. H. Stutz. No. 1,092,873; Apr. 14; Gaz. vol. 201; p. 292.
- Pump, Internal-combustion. C. E. White and C. H. McIntosh. No. 1,093,669; Apr. 21; Gaz. vol. 201; p. 603.
- Pump, Internal-combustion pressure-. R. Y. Bovee. No. 1,105,747; Aug. 4; Gaz. vol. 205; p. 56.
- Pump lubricator, Air-. G. M. Schwend. No. 1,086,230; Feb. 3; Gaz. vol. 199; p. 229.
- Pump lubricator, Air-. W. V. Turner. No. 1,112,492; Oct. 6; Gaz. vol. 207; p. 27.
- Pump, Manual or foot-operated air-. H. T. Hutton. No. 1,115,941; Nov. 3; Gaz. vol. 208; p. 161.
- Pump, Measuring-. A. A. Bowser. No. 1,088,201; Feb. 24; Gaz. vol. 199; p. 1054.
- Pump, Measuring-. A. Hanson. No. 1,122,111; Dec. 22; Gaz. vol. 209; p. 1238.
- Pump, Measuring-. J. J. Hotchkiss. No. 1,117,052; Nov. 10; Gaz. vol. 208; p. 591.
- Pump, Measuring-. E. Kupferle. No. 1,092,491; Apr. 7; Gaz. vol. 201; p. 128.
- Pump, Measuring-. W. H. Ward. No. 1,117,729; Nov. 17; Gaz. vol. 208; p. 871.
- Pump mechanism for exerting pressure, Circulating-. E. Guenther. No. 1,093,696; Apr. 21; Gaz. vol. 201; p. 613.
- Pump, Metallic-diaphragm. K. Steinbecker. No. 1,085,306; Jan. 27; Gaz. vol. 198; p. 782.
- Pump, Mine-. L. McIsaac. No. 1,112,820; Oct. 6; Gaz. vol. 207; p. 143.
- Pump, Multicylinder-. R. C. Mealey. No. 1,109,349; Sept. 1; Gaz. vol. 206; p. 175.
- Pump nipple, Air-. C. D. Bremer. No. 1,111,991; Sept. 29; Gaz. vol. 206; p. 1261.
- Pump, Oil-. A. Loomis. No. 1,105,085; July 28; Gaz. vol. 204; p. 1130.
- Pump, Oil-well. G. E. Fritts. No. 1,087,360; Feb. 17; Gaz. vol. 199; p. 715.
- Pump-operating mechanism. A. Moser. No. 1,113,235; Oct. 13; Gaz. vol. 207; p. 329.
- Pump-operating mechanism. A. L. Primeau. No. 1,096,194; May 12; Gaz. vol. 202; p. 382.
- Pump or motor. A. C. Pitman. No. 1,087,181; Feb. 17; Gaz. vol. 199; p. 652.
- Pump or motor. F. Reaugh. No. 1,101,329; June 23; Gaz. vol. 203; p. 1151.
- Pump or motor, Fluid. K. Kiefer. No. 1,103,053; July 14; Gaz. vol. 204; p. 336.
- Pump or well-cleaning device, Sand-. G. H. Anderson. No. 1,117,752; Nov. 17; Gaz. vol. 208; p. 879.
- Pump-packing. C. E. H. Lloyd. No. 1,097,341; May 19; Gaz. vol. 202; p. 823.
- Pump-pipes, Apparatus for raising or lowering. C. H. Reuter. No. 1,110,961; Sept. 15; Gaz. vol. 206; p. 826.
- Pump, Piston-. M. Andres. No. 1,112,187; Sept. 29; Gaz. vol. 206; p. 1328.
- Pump-pistons, &c., Oscillating lever for operating. R. Hilt. No. 1,091,136; Mar. 24; Gaz. vol. 200; p. 968.
- Pump-plunger. R. C. Baker. No. 1,101,234; June 23; Gaz. vol. 203; p. 1119.
- Pump, Pneumatic. A. J. Hubbard and C. A. Swanson. No. 1,109,419; Sept. 1; Gaz. vol. 206; p. 200.
- Pump, Pneumatic. O. R. Pfau. No. 1,090,873; Mar. 24; Gaz. vol. 200; p. 876.
- Pump, Power fluid-actuated impulse-. C. G. Weld. No. 1,114,951; Oct. 27; Gaz. vol. 207; p. 1026.
- Pump, Power tire-. H. D. Waterhouse. (Reissue.) No. 1,3687; Feb. 10; Gaz. vol. 199; p. 573.
- Pump, Pressure and relief. A. Eimer. No. 1,091,566; Mar. 31; Gaz. vol. 200; p. 1154.
- Pump pressure-governor. W. V. Turner. No. 1,093,660; Apr. 21; Gaz. vol. 201; p. 599.
- Pump, Quadruple-impulse. P. Christman. No. 1,090,276; Mar. 17; Gaz. vol. 200; p. 639.
- Pump-regulator. B. Krämer. No. 1,106,949; Aug. 11; Gaz. vol. 205; p. 521.
- Pump-regulator. H. R. Setz. No. 1,116,494; Nov. 10; Gaz. vol. 208; p. 393.
- Pump regulator, Hydraulic steam-. F. E. Stevenson. No. 1,111,505; Sept. 22; Gaz. vol. 206; p. 1056.
- Pump-rod coupling. F. S. and G. W. Ballard. No. 1,107,876; Aug. 18; Gaz. vol. 205; p. 894.
- Pump-rod coupling, Well-. T. Stebbins. No. 1,097,995; May 26; Gaz. vol. 202; p. 1096.
- Pump, Rotary. A. N. Baade. No. 1,112,515; Oct. 6; Gaz. vol. 207; p. 36.
- Pump, Rotary. F. D. Campbell. No. 1,101,904; June 30; Gaz. vol. 203; p. 1401.
- Pump, Rotary. B. F. Cathcart. No. 1,100,532; June 16; Gaz. vol. 203; p. 823.
- Pump, Rotary. P. Christman. No. 1,092,139; Apr. 7; Gaz. vol. 201; p. 5.
- Pump, Rotary. R. H. Danner. No. 1,116,570; Nov. 10; Gaz. vol. 208; p. 421.
- Pump, Rotary. S. W. Eggleton. No. 1,096,804; May 12; Gaz. vol. 202; p. 590.
- Pump, Rotary. G. L. Howell. No. 1,085,127; Jan. 27; Gaz. vol. 198; p. 719.
- Pump, Rotary. F. J. Matchette and F. W. Van Ness. No. 1,087,962; Feb. 24; Gaz. vol. 199; p. 972.
- Pump, Rotary. J. H. Myers. No. 1,093,005; Apr. 14; Gaz. vol. 201; p. 337.
- Pump, Rotary. J. H. Myers. No. 1,102,288; July 7; Gaz. vol. 204; p. 23.
- Pump, Rotary. R. H. Nesmith. No. 1,096,186; May 12; Gaz. vol. 202; p. 379.
- Pump, Rotary. T. J. Pagel. No. 1,085,290; Jan. 27; Gaz. vol. 198; p. 776.
- Pump, Rotary. L. H. Rogers. No. 1,090,235; Mar. 17; Gaz. vol. 200; p. 625.
- Pump, Rotary. J. Schneible. No. 1,116,851; Nov. 10; Gaz. vol. 208; p. 523.
- Pump, Rotary elastic-fluid. J. Petermoller. No. 1,107,999; Aug. 18; Gaz. vol. 205; p. 936.
- Pump, Rotary jet-. G. Holzapfel. No. 1,085,045; Jan. 20; Gaz. vol. 198; p. 654.
- Pump, Rotary pneumatic. F. C. Fesenbek. No. 1,091,821; Mar. 31; Gaz. vol. 200; p. 1244.
- Pump, Sanitary. C. M. Cuppel. No. 1,096,686; May 12; Gaz. vol. 202; p. 550.
- Pump-shaft bearing. J. H. Gwathmey. No. 1,101,923; June 30; Gaz. vol. 203; p. 1408.
- Pump-shafts, Self-centering hydraulic bearing for. J. R. and F. H. Palmer. No. 1,110,569; Sept. 15; Gaz. vol. 206; p. 688.
- Pump, Spraying-. S. Smith. No. 1,091,401; Mar. 24; Gaz. vol. 200; p. 1054.
- Pump, Steam-. K. Dougan. No. 1,084,847; Jan. 20; Gaz. vol. 198; p. 589.
- Pump, Steam-. K. Dougan. No. 1,114,345; Oct. 20; Gaz. vol. 207; p. 759.
- Pump, Steam-. H. H. Westinghouse. No. 1,109,157; Sept. 1; Gaz. vol. 206; p. 106.
- Pump-strainer. E. E. Hauer. No. 1,098,150; May 26; Gaz. vol. 202; p. 1149.
- Pump, Tire-inflating. W. S. Jobes. No. 1,115,435; Oct. 27; Gaz. vol. 207; p. 1193.
- Pump, Tubular propeller-. A. T. Ames. No. 1,114,092; Oct. 20; Gaz. vol. 207; p. 669.
- Pump, Turbine-. J. Richards. No. 1,112,560; Oct. 6; Gaz. vol. 207; p. 53.
- Pump, Vacuum-. P. Colombier. No. 1,087,728; Feb. 17; Gaz. vol. 199; p. 846.
- Pump, Vacuum-. H. Neville. No. 1,101,143; June 23; Gaz. vol. 203; p. 1088.
- Pump, Vacuum-. A. C. Roessler. No. 1,114,046; Oct. 20; Gaz. vol. 207; p. 651.
- Pump, Vacuum air-. P. Schou. No. 1,117,708; Nov. 17; Gaz. vol. 208; p. 863.
- Pump-valve. G. P. Aborn. No. 1,116,341; Nov. 3; Gaz. vol. 208; p. 298.
- Pump-valve. W. T. Birch. No. 1,090,775; Mar. 17; Gaz. vol. 200; p. 809.
- Pump-valve. J. P. Matthews. No. 1,084,867; Jan. 20; Gaz. vol. 198; p. 595.
- Pump-valve. M. Smolensky. No. 1,087,514; Feb. 17; Gaz. vol. 199; p. 769.
- Pump-valve, Removable. C. W. Hawkins. No. 1,111,578; Sept. 22; Gaz. vol. 206; p. 1082.
- Pump-valve structure. O. W. Johnson. No. 1,109,126; Sept. 1; Gaz. vol. 206; p. 95.
- Pump, Vane-wheel. A. Wächter. No. 1,086,488; Feb. 10; Gaz. vol. 199; p. 362.
- Pump-vent. J. F. Haenniger. No. 1,093,847; Apr. 21; Gaz. vol. 201; p. 663.
- Pump, Water-. J. L. Sauchereau. No. 1,089,441; Mar. 10; Gaz. vol. 200; p. 309.
- Pumps and the like, Controlling device for. G. M. Richards. No. 1,096,265; May 12; Gaz. vol. 202; p. 409.
- Pumps, Attachment for wind-driven. J. F. Metzger. No. 1,091,371; Mar. 24; Gaz. vol. 200; p. 1044.
- Pumps, Automatic means for lubricating. W. Völker. No. 1,084,769; Jan. 20; Gaz. vol. 198; p. 562.
- Pumps, Balancing device for. T. Evans. No. 1,085,556; Jan. 27; Gaz. vol. 198; p. 863.
- Pumps, Bearing for centrifugal. A. C. Paulsmeier. No. 1,102,604; July 7; Gaz. vol. 204; p. 135.
- Pumps, Distributer for lubricating-. E. Woerner. No. 1,095,690; May 5; Gaz. vol. 202; p. 176.
- Pumps, Engine for air-. P. P. Bourne. No. 1,120,015; Dec. 8; Gaz. vol. 209; p. 419.
- Pumps, Float-valve for. J. R. Smith. No. 1,110,354; Sept. 15; Gaz. vol. 206; p. 612.
- Pumps from ozone, Protecting. C. Knips. No. 1,103,211; July 14; Gaz. vol. 204; p. 393.
- Pumps, Oil-separator for. J. R. Kinney. No. 1,096,110; May 12; Gaz. vol. 202; p. 355.
- Pumps or motors, Cylinder construction for. C. M. Manly. No. 1,112,633; Oct. 6; Gaz. vol. 207; p. 80.
- Pumps, Packing-cup for. H. Z. Cobb. No. 1,122,574; Dec. 29; Gaz. vol. 209; p. 1434.
- Pumps, Piston-operating mechanism for oil-. C. Pottel. No. 1,084,293; Jan. 13; Gaz. vol. 198; p. 373.
- Pumps, Priming centrifugal. F. Lorenz. No. 1,107,533; Aug. 18; Gaz. vol. 205; p. 773.
- Pumps, Relief valve and system for motor or other driven. G. W. Johnson. No. 1,102,273; July 7; Gaz. vol. 204; p. 18.
- Pumps, &c., Swiveled-post check and foot-valve for deep-well. B. Pace. No. 1,121,199; Dec. 15; Gaz. vol. 209; p. 886.
- Pumps, Valve for deep-well. R. E. L. Holmes. No. 1,107,426; Aug. 18; Gaz. vol. 205; p. 737.

Alphabetical list of inventions—Continued.

- Pumps, Volume-indicating mechanism for centrifugal. A. E. Guy. No. 1,083,610; Jan. 6; Gaz. vol. 198; p. 117.
- Pumps, Working barrel for. C. A. Waitz. No. 1,097,276; May 19; Gaz. vol. 202; p. 801.
- Pumping apparatus. S. J. Peterson. No. 1,089,955; Mar. 10; Gaz. vol. 200; p. 488.
- Pumping apparatus, Air-. J. J. Everson. No. 1,084,322; Jan. 13; Gaz. vol. 198; p. 384.
- Pumping apparatus, Automatic regulator for motor-driven. R. H. Rice. No. 1,100,257; June 16; Gaz. vol. 203; p. 728.
- Pumping apparatus, Hand-portable. H. P. Bliss. No. 1,104,098; July 21; Gaz. vol. 204; p. 740.
- Pumping device, Bilge-water-. H. W. Strout. No. 1,097,890; May 26; Gaz. vol. 202; p. 1058.
- Pumping-head. J. L. Boicourt. No. 1,117,772; Nov. 17; Gaz. vol. 208; p. 886.
- Pumping liquids, Apparatus for. H. M. and T. M. Chance. No. 1,114,109; Oct. 20; Gaz. vol. 207; p. 676.
- Pumping liquids, Method and apparatus for. H. M. and T. M. Chance. No. 1,109,108; Sept. 1; Gaz. vol. 206; p. 88.
- Pumping liquids, Method and apparatus for. H. M. and T. M. Chance. No. 1,114,108; Oct. 20; Gaz. vol. 207; p. 675.
- Pumping mechanism. C. W. Collins. No. 1,116,389; Nov. 10; Gaz. vol. 208; p. 355.
- Pumping mechanism, Centrifugal. M. B. Van Ness. No. 1,108,089; Aug. 18; Gaz. vol. 205; p. 968.
- Pumping mechanism for oil-engines. L. B. Harris. No. 1,119,153; Dec. 1; Gaz. vol. 209; p. 88.
- Pumping mechanism, Lubricant-. W. E. Teklenburg. No. 1,121,777; Dec. 22; Gaz. vol. 209; p. 1121.
- Pumping oil-wells. P. Jones. No. 1,102,152; June 30; Gaz. vol. 203; p. 1489.
- Pumping outfits, Combination stuffing-box and clamp for wire-line. C. S. Wright. No. 1,100,462; June 16; Gaz. vol. 203; p. 800.
- Pumping plant. G. A. Ungar. No. 1,083,568; Jan. 6; Gaz. vol. 198; p. 102.
- Pumping system. W. A. Bruton. No. 1,096,597; May 12; Gaz. vol. 202; p. 520.
- Pumping systems, Controlling device for. A. A. Bowser. No. 1,107,887; Aug. 18; Gaz. vol. 205; p. 897.
- Pumping unit. G. D. Loud. No. 1,087,671; Feb. 17; Gaz. vol. 199; p. 827.
- Punch. J. A. Anderson. No. 1,114,666; Oct. 20; Gaz. vol. 207; p. 871.
- Punch. G. R. Philp. No. 1,097,669; May 26; Gaz. vol. 202; p. 980.
- Punch. G. L. Thom. No. 1,098,696; June 2; Gaz. vol. 203; p. 117.
- Punch and cutter for motor-cycle belts, Combination. J. J. Rowe. No. 1,089,587; Mar. 10; Gaz. vol. 200; p. 361.
- Punch and forming press, Combined. J. H. Auble. No. 1,086,577; Feb. 10; Gaz. vol. 199; p. 395.
- Punch for castellating nuts. L. H. Brightman. No. 1,094,975; Apr. 28; Gaz. vol. 201; p. 1109.
- Punch for making centrally-perforated washers. P. Rau. No. 1,109,596; Sept. 1; Gaz. vol. 206; p. 259.
- Punch for pliers. Leather-. S. A. Freer. No. 1,105,129; July 28; Gaz. vol. 204; p. 1144.
- Punch-machine safety device. E. L. Gale, Sr. No. 1,095,497; May 5; Gaz. vol. 202; p. 112.
- Punch-presses, Feed mechanism for. C. Englert. No. 1,088,015; Feb. 24; Gaz. vol. 199; p. 991.
- Punch-presses, Safety attachment for. C. J. Mack. No. 1,113,026; Oct. 6; Gaz. vol. 207; p. 213.
- Punch, Rivet-. J. J. Sauer. No. 1,095,359; May 5; Gaz. vol. 202; p. 63.
- Punch, Steel die-. A. J. Bradley. No. 1,118,181; Nov. 24; Gaz. vol. 208; p. 1065.
- Punch, Ticket-. R. P. Stevens. No. 1,112,573; Oct. 6; Gaz. vol. 207; p. 58.
- Punches, Making. G. Remnsnider. No. 1,089,724; Mar. 10; Gaz. vol. 200; p. 408.
- Punches, Making steel die-. A. J. Bradley. No. 1,118,180; Nov. 24; Gaz. vol. 208; p. 1065.
- Punches, Safety device for. N. Stukalo-Coylo. No. 1,118,698; Nov. 24; Gaz. vol. 208; p. 1248.
- Punching and eyeletting machine. H. C. Hinchcliff. No. 1,120,939; Dec. 15; Gaz. vol. 209; p. 794.
- Punching and forming machine, Sheet-metal. O. J. Groehn. No. 1,086,525; Feb. 10; Gaz. vol. 199; p. 375.
- Punching and riveting machine. L. H. Irvin. No. 1,113,442; Oct. 13; Gaz. vol. 207; p. 403.
- Punching and riveting machines, Clutch attachment for. F. S. Floeter. No. 1,112,443; Oct. 6; Gaz. vol. 207; p. 10.
- Punching and shearing apparatus. E. E. Slick. No. 1,106,740; Aug. 11; Gaz. vol. 205; p. 447.
- Punching and shearing mechanism. L. C. Koehl. No. 1,091,668; Mar. 31; Gaz. vol. 200; p. 1190.
- Punching-bag hanger. G. Yoerger. No. 1,106,068; Aug. 4; Gaz. vol. 205; p. 168.
- Punching device. C. H. Lindstedt and H. Travers. No. 1,092,274; Apr. 7; Gaz. vol. 201; p. 52.
- Punching-machine. L. H. Calaway. No. 1,084,533; Jan. 13; Gaz. vol. 198; p. 450.
- Punching-machine. J. R. Dean and A. W. Holmberg. No. 1,112,601; Oct. 6; Gaz. vol. 207; p. 68.
- Punching-machine. L. M. Potts. No. 1,105,921; Aug. 4; Gaz. vol. 205; p. 117.
- Punching-machine. J. H. Rigby. No. 1,113,910; Oct. 13; Gaz. vol. 207; p. 565.
- Punching-machine attachment. R. L. Hibbard. No. 1,089,217; Mar. 3; Gaz. vol. 200; p. 187.
- Punching machine, Jacquard-card-. K. Eggart. No. 1,118,481; Nov. 24; Gaz. vol. 208; p. 1173.
- Punching machine, Jacquard-card-. H. Saurer. No. 1,104,550; July 21; Gaz. vol. 204; p. 897.
- Punching machine, Jacquard-card-. H. Saurer. No. 1,104,551; July 21; Gaz. vol. 204; p. 898.
- Punching machine, Metal-. G. P. Thomas. No. 1,122,440; Dec. 29; Gaz. vol. 209; p. 1387.
- Punching-machines, Spacing device for. J. K. Thompson. No. 1,105,113; July 28; Gaz. vol. 204; p. 1139.
- Punching-press feed-controlling mechanism. C. R. Gabriel. No. 1,099,545; June 9; Gaz. vol. 203; p. 447.
- Purifier. J. P. Farmer. No. 1,083,485; Jan. 6; Gaz. vol. 198; p. 76.
- Purifier-boxes, Grid for. A. S. B. Little. No. 1,090,318; Mar. 17; Gaz. vol. 200; p. 654.
- Purse. M. H. G. Beste. No. 1,093,681; Apr. 21; Gaz. vol. 201; p. 608.
- Purse. A. W. J. Livingston. No. 1,088,784; Mar. 3; Gaz. vol. 200; p. 38.
- Purse, Coin-. C. Wallerstedt. No. 1,115,136; Oct. 27; Gaz. vol. 207; p. 1092.
- Purse-mirror. W. J. Payne. No. 1,106,315; Aug. 4; Gaz. vol. 205; p. 252.
- Push-button. A. Lungen. No. 1,085,215; Jan. 27; Gaz. vol. 198; p. 749.
- Push-button, Indicating. W. R. Schlage. No. 1,085,826; Feb. 3; Gaz. vol. 199; p. 88.
- Push-button switch. G. B. Thomas. No. 1,102,967; July 7; Gaz. vol. 204; p. 258.
- Push-motor. E. Johnson. No. 1,112,214; Sept. 29; Gaz. vol. 206; p. 1339.
- Push-pin. J. A. Hunt. No. 1,120,656; Dec. 8; Gaz. vol. 209; p. 647.
- Push-switch. C. A. Bates. No. 1,095,138; Apr. 28; Gaz. vol. 201; p. 1163.
- Puttee. A. D. Molony. No. 1,118,038; Nov. 24; Gaz. vol. 208; p. 1016.
- Putty. W. W. Watson. No. 1,117,932; Nov. 17; Gaz. vol. 208; p. 938.
- Puttying device. W. E. Glover. No. 1,085,566; Jan. 27; Gaz. vol. 198; p. 867.
- Puzzle. S. Banić. No. 1,099,159; June 9; Gaz. vol. 203; p. 313.
- Puzzle. A. Celus. No. 1,105,878; Aug. 4; Gaz. vol. 205; p. 102.
- Puzzle. F. W. Doll. No. 1,114,125; Oct. 20; Gaz. vol. 207; p. 681.
- Puzzle. D. E. Folley. No. 1,102,576; July 7; Gaz. vol. 204; p. 125.
- Puzzle. B. Gunner. No. 1,121,495; Dec. 15; Gaz. vol. 209; p. 986.
- Puzzle. W. E. Heard. No. 1,100,828; June 23; Gaz. vol. 203; p. 977.
- Puzzle. J. H. Kendig. No. 1,117,580; Nov. 17; Gaz. vol. 208; p. 816.
- Puzzle. R. Lathrop. No. 1,085,050; Jan. 20; Gaz. vol. 198; p. 655.
- Puzzle. R. F. McKenna. No. 1,118,034; Nov. 24; Gaz. vol. 208; p. 1015.
- Puzzle. L. N. Messenger. No. 1,095,908; May 5; Gaz. vol. 202; p. 249.
- Puzzle. M. L. Minns. No. 1,115,856; Nov. 3; Gaz. vol. 208; p. 133.
- Puzzle. E. A. Nelson, Jr. No. 1,109,698; Sept. 8; Gaz. vol. 206; p. 339.
- Puzzle. J. O'Toole. No. 1,100,026; June 16; Gaz. vol. 203; p. 648.
- Puzzle. F. C. Osborn. No. 1,092,165; Apr. 7; Gaz. vol. 201; p. 14.
- Puzzle. J. C. Patterson. No. 1,085,994; Feb. 3; Gaz. vol. 199; p. 149.
- Puzzle. J. J. Quinn. No. 1,094,866; Apr. 28; Gaz. vol. 201; p. 1070.
- Puzzle. T. A. Randall. No. 1,120,161; Dec. 8; Gaz. vol. 209; p. 471.
- Puzzle. C. L. Ridgway. No. 1,101,567; June 30; Gaz. vol. 203; p. 1285.
- Puzzle. W. T. Rutledge. No. 1,091,709; Mar. 31; Gaz. vol. 200; p. 1203.
- Puzzle. F. L. Shipman. No. 1,089,278; Mar. 3; Gaz. vol. 200; p. 207.
- Puzzle. F. C. Silva. No. 1,111,923; Sept. 29; Gaz. vol. 206; p. 1240.
- Puzzle. E. F. Slear. No. 1,103,442; July 14; Gaz. vol. 204; p. 469.
- Puzzle. H. G. Taylor. No. 1,118,912; Nov. 24; Gaz. vol. 208; p. 1319.
- Puzzle. W. E. Watkins. No. 1,111,337; Sept. 22; Gaz. vol. 206; p. 998.
- Puzzle. J. Weil. No. 1,121,697; Dec. 22; Gaz. vol. 209; p. 1093.

- Puzzle. J. I. Wiley. No. 1,112,746; Oct. 6; Gaz. vol. 207; p. 119.
- Puzzle. F. A. Wonnberger. No. 1,111,934; Sept. 29; Gaz. vol. 206; p. 1243.
- Puzzle-box. E. Anderson. No. 1,097,158; May 19; Gaz. vol. 202; p. 759.
- Puzzle-box. T. F. Nightingale. No. 1,122,217; Dec. 22; Gaz. vol. 209; p. 1273.
- Puzzle-box, Amusement. S. P. Edmonds. No. 1,090,139; Mar. 17; Gaz. vol. 200; p. 591.
- Puzzle, Numerical. W. Stephens. No. 1,090,245; Mar. 17; Gaz. vol. 200; p. 629.
- Pyrometer, Radiation-. R. P. Brown. No. 1,089,743; Mar. 10; Gaz. vol. 200; p. 414.
- Pyrometer, Thermo-electric. C. H. Wilson. No. 1,103,640; July 14; Gaz. vol. 204; p. 542.
- Pyrophoric igniter. L. Neumann. No. 1,085,991; Feb. 3; Gaz. vol. 199; p. 148.
- Pyrophorous lighter. L. V. Aronson. No. 1,084,386; Jan. 13; Gaz. vol. 198; p. 403.
- Pyrophorous lighter. A. Harris. No. 1,084,330; Jan. 13; Gaz. vol. 198; p. 386.
- Pyrotechnic device. A. Jedel. No. 1,094,999; Apr. 28; Gaz. vol. 201; p. 1117.
- Pyrotechnic novelty. E. T. Hincks. No. 1,099,548; June 9; Gaz. vol. 203; p. 448.
- Pyroxylin solvent. F. Kniffen. No. 1,118,498; Nov. 24; Gaz. vol. 208; p. 1179.
- Quarrying-machine. A. and F. A. Ball. No. 1,113,531; Oct. 13; Gaz. vol. 207; p. 435.
- Quartz bodies, Producing hollow. A. Voelker. No. 1,107,386; Aug. 18; Gaz. vol. 205; p. 721.
- Quartz-mill. H. F. Randall. No. 1,094,248; Apr. 21; Gaz. vol. 201; p. 797.
- Quartz, Producing transparent. A. Voelker. No. 1,107,387; Aug. 18; Gaz. vol. 205; p. 722.
- Quenching and conveying glowing materials, Apparatus for. A. Brunner and W. Schöndeling. No. 1,085,845; Feb. 3; Gaz. vol. 199; p. 95.
- Quick-acting clamp. G. G. Hunt. No. 1,106,096; Aug. 4; Gaz. vol. 205; p. 180.
- Quick-acting wrench. G. E. L. Semans. No. 1,106,117; Aug. 4; Gaz. vol. 205; p. 187.
- Quick-adjustment wrench. F. Eggers. No. 1,117,173; Nov. 17; Gaz. vol. 208; p. 672.
- Quick-detachable coupling and valve, Combined. H. J. Neumeister. No. 1,115,007; Oct. 27; Gaz. vol. 207; p. 1045.
- Quick-motion controller. G. P. Carroll and F. N. Roehrech. No. 1,096,825; May 19; Gaz. vol. 202; p. 640.
- Quick-traverse control. S. Einstein. No. 1,092,097; Mar. 31; Gaz. vol. 200; p. 1336.
- Quill-cleaner. J. H. Smith. No. 1,091,595; Mar. 31; Gaz. vol. 200; p. 1164.
- Quilling-machine. G. Adsit. No. 1,115,267; Oct. 27; Gaz. vol. 207; p. 1137.
- Quilt-cover. M. Oplustil. No. 1,118,220; Nov. 24; Gaz. vol. 208; p. 1079.
- Quilting-frame. J. Hill and G. H. Cleggett. No. 1,088,149; Feb. 24; Gaz. vol. 199; p. 1037.
- Quilting-frame. O. B. Morgan. No. 1,107,542; Aug. 18; Gaz. vol. 205; p. 776.
- Quilting-frame. G. Ricks. No. 1,115,573; Nov. 3; Gaz. vol. 208; p. 36.
- Quilting-frame. N. C. Wilkerson. No. 1,100,807; June 23; Gaz. vol. 203; p. 970.
- Quinizarin, Producing. O. Unger and E. Molineus. No. 1,087,412; Feb. 17; Gaz. vol. 199; p. 733.
- Quinolin compounds and producing same. A. B. Davis. No. 1,098,022; May 26; Gaz. vol. 202; p. 1106.
- Rabble-arm, Air-cooled. C. C. Fisher and H. H. Rountrey. No. 1,116,255; Nov. 3; Gaz. vol. 208; p. 268.
- Race starter, Relay-. A. L. Fish. No. 1,099,244; June 9; Gaz. vol. 203; p. 343.
- Rack. *See* Billiard-rack; Bottle-rack; Card-rack; Chain-rack; Clothes-rack; Clothes-drying rack; Collapsible rack; Corn-rack; Corn-drying rack; Display-rack; Drying-rack; Electroplating-rack; Feed and hay rack; Fire-hose rack; Garment-rack; Hat-rack; Hat and coat rack; Hay-rack; Hose-rack; Index or information rack; Lantern-rack; Linotype-magazine rack; Mail-pouch rack; Music-rack; Newspaper-rack; Paper-rack; Parcel-rack; Pipe-rack; Roller-rack; Rug-rack; Scale-rack; Shoe-rack; Shoe-tip-drying rack; Sign-rack; Spool-rack; Stamp-rack; Stencil-rack; Stock-rack; Stock and grain rack; Storage-rack; Supporting-rack; Suspension-rack; Time-table rack; Towel-rack; Wagon-rack.
- Rack. S. Carlson. No. 1,088,535; Feb. 24; Gaz. vol. 199; p. 1165.
- Rack. C. M. Davis. No. 1,123,109; Dec. 29; Gaz. vol. 209; p. 1623.
- Rack. G. E. Dean. No. 1,104,970; July 28; Gaz. vol. 204; p. 1090.
- Rack. W. P. Hammond. No. 1,099,849; June 9; Gaz. vol. 203; p. 549.
- Rack. G. J. Maas. No. 1,087,310; Feb. 17; Gaz. vol. 199; p. 698.
- Rack. F. E. Millner. No. 1,096,738; May 12; Gaz. vol. 202; p. 567.
- Rack and pinion device. H. J. Irvine. No. 1,109,420; Sept. 1; Gaz. vol. 206; p. 201.
- Rack for holding loose leaves, &c. W. S. Lounsbury. No. 1,096,731; May 12; Gaz. vol. 202; p. 565.
- Racking-machine. J. G. Bieniek. No. 1,098,659; June 2; Gaz. vol. 203; p. 103.
- Racket, Tennis-. W. Richey. No. 1,122,159; Dec. 22; Gaz. vol. 209; p. 1253.
- Radial drill. H. Dreses and E. J. Spaeth. No. 1,095,828; May 5; Gaz. vol. 202; p. 223.
- Radial drill. W. T. Sears. No. 1,089,442; Mar. 10; Gaz. vol. 200; p. 310.
- Radiator. J. Alexander. No. 1,109,384; Sept. 1; Gaz. vol. 206; p. 189.
- Radiator. F. C. Bishop. No. 1,116,551; Nov. 10; Gaz. vol. 208; p. 414.
- Radiator. H. de Boischevalier. No. 1,103,011; July 7; Gaz. vol. 204; p. 274.
- Radiator. C. E. Clark. No. 1,120,282; Dec. 8; Gaz. vol. 209; p. 513.
- Radiator. W. Cleveland and J. R. Ockinga. No. 1,087,922; Feb. 24; Gaz. vol. 199; p. 956.
- Radiator. T. Coffelder. No. 1,092,242; Apr. 7; Gaz. vol. 201; p. 40.
- Radiator. J. Elger. No. 1,119,415; Dec. 1; Gaz. vol. 209; p. 178.
- Radiator. F. A. Feldkamp. No. 1,113,422; Oct. 13; Gaz. vol. 207; p. 396.
- Radiator. W. J. Hamilton. No. 1,103,010; July 7; Gaz. vol. 204; p. 273.
- Radiator. T. H. Harris. No. 1,095,570; May 5; Gaz. vol. 202; p. 136.
- Radiator. R. H. Hatfield. No. 1,092,711; Apr. 7; Gaz. vol. 201; p. 202.
- Radiator. P. R. Hawthorne. No. 1,090,476; Mar. 17; Gaz. vol. 200; p. 711.
- Radiator. J. W. Holz. No. 1,116,426; Nov. 10; Gaz. vol. 208; p. 367.
- Radiator. G. H. Horlacher. No. 1,111,225; Sept. 22; Gaz. vol. 206; p. 961.
- Radiator. A. P. Olson. No. 1,120,404; Dec. 8; Gaz. vol. 209; p. 557.
- Radiator. H. Reis and E. Behringer. No. 1,109,941; Sept. 8; Gaz. vol. 206; p. 425.
- Radiator. W. E. White. No. 1,101,109; June 23; Gaz. vol. 203; p. 1076.
- Radiator and manufacturing the same. T. Linga. No. 1,110,065; Sept. 8; Gaz. vol. 206; p. 468.
- Radiator and radiator-sections for automobiles, motor-cars, and the like. F. A. Feldkamp. No. 1,108,494; Aug. 25; Gaz. vol. 205; p. 1158.
- Radiator and radiator-sections therefor for automobiles and the like. F. A. Feldkamp. No. 1,108,495; Aug. 25; Gaz. vol. 205; p. 1158.
- Radiator-assembling device. E. K. F. Streichert. No. 1,096,068; May 12; Gaz. vol. 202; p. 341.
- Radiator attachment. I. Wagner. No. 1,104,587; July 21; Gaz. vol. 204; p. 909.
- Radiator attachment. D. C. Webb. No. 1,102,705; July 7; Gaz. vol. 204; p. 168.
- Radiator, Baker's. G. Schmelzle. No. 1,089,678; Mar. 10; Gaz. vol. 200; p. 393.
- Radiator boiler, Steam-. W. H. Gieseler. No. 1,109,983; Sept. 8; Gaz. vol. 206; p. 440.
- Radiator-bracket. W. F. Wolfe, C. R. Fowler, N. C. Schroeder, and A. S. Mappett. No. 1,088,861; Mar. 3; Gaz. vol. 200; p. 64.
- Radiator-bushing. S. J. Warnock and J. J. Neuman. No. 1,097,780; May 26; Gaz. vol. 202; p. 1020.
- Radiator connection. C. H. Speckman. No. 1,106,981; Aug. 11; Gaz. vol. 205; p. 531.
- Radiator connection. W. A. Wiedebusch. No. 1,101,825; June 30; Gaz. vol. 203; p. 1373.
- Radiator-controlling device. F. R. von Dormus and J. Fleischmann. No. 1,084,717; Jan. 20; Gaz. vol. 198; p. 544.
- Radiator, Electric. M. H. Shoenberg. No. 1,109,551; Sept. 1; Gaz. vol. 206; p. 242.
- Radiator, Electric heat-. A. B. Neiman. No. 1,120,966; Dec. 15; Gaz. vol. 209; p. 802.
- Radiator, Electrically-heated. F. Kuhn. No. 1,107,319; Aug. 18; Gaz. vol. 205; p. 696.
- Radiator, Fireplace-. J. R. Carman. No. 1,112,521; Oct. 6; Gaz. vol. 207; p. 38.
- Radiator-fitting. E. E. Parker. No. 1,092,385; Apr. 7; Gaz. vol. 201; p. 90.
- Radiator-heater, Electric. R. Farren and C. T. Clark. No. 1,121,341; Dec. 15; Gaz. vol. 209; p. 933.
- Radiator-heater, Portable. M. Lewless. No. 1,102,934; July 7; Gaz. vol. 204; p. 247.
- Radiator, Hot-water. S. Ellis. No. 1,098,238; May 26; Gaz. vol. 202; p. 1179.
- Radiator-joint. A. W. Walker. No. 1,108,532; Aug. 25; Gaz. vol. 205; p. 1171.
- Radiator, Motor-vehicle. A. Uhlyarik. No. 1,121,541; Dec. 15; Gaz. vol. 209; p. 1002.
- Radiator, Non-freezing. J. W. Dalman. No. 1,114,588; Oct. 20; Gaz. vol. 207; p. 844.
- Radiator, Pressed-sheet-metal. C. E. Safford. No. 1,115,742; Nov. 3; Gaz. vol. 208; p. 94.
- Radiator-section. H. Kurtzner. No. 1,086,061; Feb. 3; Gaz. vol. 199; p. 173.

Alphabetical list of inventions—Continued.

- Radiator-shelf. C. V. Hill. No. 1,116,700; Nov. 10; Gaz. vol. 208; p. 469.
- Radiator-shield. O. T. Pause. No. 1,097,665; May 26; Gaz. vol. 202; p. 978.
- Radiator-shield. H. Romünder. No. 1,091,084; Mar. 24; Gaz. vol. 200; p. 949.
- Radiator, Steam-. L. W. Eggleston. No. 1,104,350; July 21; Gaz. vol. 204; p. 826.
- Radiator-subheater. A. Kindler. No. 1,111,309; Sept. 22; Gaz. vol. 206; p. 989.
- Radiator tube, connector, expander, and flanger, Sectional. J. Elger. No. 1,119,416; Dec. 1; Gaz. vol. 209; p. 178.
- Radiator-tubes, Dies for making. J. Gabrielson. No. 1,089,124; Mar. 3; Gaz. vol. 200; p. 155.
- Radiator unit. G. E. Wheeler. No. 1,098,774; June 2; Gaz. vol. 203; p. 142.
- Radiator, Water-. T. D. Robinson. No. 1,086,403; Feb. 10; Gaz. vol. 199; p. 332.
- Radiators, Air moistening and cooling attachment for. R. B. Miller. No. 1,116,097; Nov. 3; Gaz. vol. 208; p. 216.
- Radiators, Attachment for hot-water. C. E. Briney. No. 1,091,625; Mar. 31; Gaz. vol. 200; p. 1175.
- Radiators, Deflector for heat-. F. W. Butt. No. 1,098,224; May 26; Gaz. vol. 202; p. 1174.
- Radiators, Foot-rest for. D. D. James. No. 1,109,991; Sept. 8; Gaz. vol. 206; p. 443.
- Radiators, Gas-regulator for self-generating steam-. J. S. Simmons. No. 1,112,852; Oct. 6; Gaz. vol. 207; p. 154.
- Radiators, Manufacture of. H. Reis and E. Behringer. No. 1,084,232; Jan. 13; Gaz. vol. 198; p. 355.
- Radiators, Slip-casing for. H. A. Lasko and C. M. Snavelly. No. 1,113,790; Oct. 13; Gaz. vol. 207; p. 524.
- Radio-averaging instrument. E. G. Bailey. No. 1,107,740; Aug. 18; Gaz. vol. 205; p. 848.
- Radio-active barium compounds, Treating. H. N. McCoy. No. 1,103,600; July 14; Gaz. vol. 204; p. 527.
- Radio-active matter in thorium-containing solutions, Obtaining. F. Glaser. No. 1,084,734; Jan. 20; Gaz. vol. 198; p. 550.
- Radiodynamic directive control system. J. H. Hammond, Jr. No. 1,115,530; Nov. 3; Gaz. vol. 208; p. 22.
- Raft, Life-. A. Thompson. No. 1,104,845; July 28; Gaz. vol. 204; p. 1046.
- Raft, Life-saving. W. Jacob. No. 1,105,976; Aug. 4; Gaz. vol. 205; p. 137.
- Rafter, Composite. R. O. King. No. 1,094,074; Apr. 21; Gaz. vol. 201; p. 738.
- Rail. J. Corgiat. No. 1,099,428; June 9; Gaz. vol. 203; p. 407.
- Rail. J. S. Fox. No. 1,117,827; Nov. 17; Gaz. vol. 208; p. 905.
- Rail. W. W. McElrath, Sr. No. 1,109,440; Sept. 1; Gaz. vol. 206; p. 207.
- Rail. S. H. Mitchell. No. 1,101,873; June 30; Gaz. vol. 203; p. 1390.
- Rail. W. A. Prahl. No. 1,122,154; Dec. 22; Gaz. vol. 209; p. 1252.
- Rail. K. E. Rochel. No. 1,114,527; Oct. 20; Gaz. vol. 207; p. 825.
- Rail. E. E. Slick. No. 1,093,212; Apr. 14; Gaz. vol. 201; p. 408.
- Rail. O. B. Vines. No. 1,117,111; Nov. 10; Gaz. vol. 208; p. 611.
- Rail-anchor. B. B. Betts. No. 1,108,121; Aug. 25; Gaz. vol. 205; p. 1027.
- Rail-anchor. T. B. Bowman. No. 1,107,484; Aug. 18; Gaz. vol. 205; p. 757.
- Rail-anchor. C. J. Gadd. No. 1,116,686; Nov. 10; Gaz. vol. 208; p. 464.
- Rail-anchor. H. G. Gillmor. No. 1,107,782; Aug. 18; Gaz. vol. 205; p. 863.
- Rail-anchor. C. A. Lind. No. 1,117,203; Nov. 17; Gaz. vol. 208; p. 684.
- Rail-anchor. P. W. Moore. No. 1,116,722; Nov. 10; Gaz. vol. 208; p. 476.
- Rail-anchor. F. A. Preston. No. 1,101,658; June 30; Gaz. vol. 203; p. 1316.
- Rail-anchor. B. C. Rowell. No. 1,093,804; Apr. 21; Gaz. vol. 201; p. 647.
- Rail-anchor. J. M. Scott. No. 1,090,946; Mar. 24; Gaz. vol. 200; p. 901.
- Rail-anchor. A. L. Stanford. No. 1,108,635; Aug. 25; Gaz. vol. 205; p. 1206.
- Rail and shim clamp. L. Blessing. No. 1,122,573; Dec. 29; Gaz. vol. 209; p. 1433.
- Rail-anticreeper. P. W. Moore. No. 1,084,288; Jan. 13; Gaz. vol. 198; p. 372.
- Rail-anticreeper. F. A. Preston. No. 1,084,227; Jan. 13; Gaz. vol. 198; p. 353.
- Rail-anticreeper device. A. H. Smith and G. W. Nibbe. No. 1,108,525; Aug. 25; Gaz. vol. 205; p. 1168.
- Rail-bond. J. R. Bowers, J. A. Potter, and C. B. Darnell. No. 1,118,731; Nov. 24; Gaz. vol. 208; p. 1259.
- Rail-bond. G. H. Burge. No. 1,113,875; Oct. 13; Gaz. vol. 207; p. 554.
- Rail-bond. T. C. Folsom. No. 1,089,202; Mar. 3; Gaz. vol. 200; p. 183.
- Rail-bond, Electric. B. H. Thompson. No. 1,098,192; May 26; Gaz. vol. 202; p. 1163.
- Rail-bonding device. A. A. Ziegler. No. 1,116,000; Nov. 3; Gaz. vol. 208; p. 183.
- Rail-brace. J. E. Conley. No. 1,094,881; Apr. 28; Gaz. vol. 201; p. 1075.
- Rail-brace. R. M. Evans. No. 1,084,260; Jan. 13; Gaz. vol. 198; p. 363.
- Rail-brace. H. E. Guyer. No. 1,102,044; June 30; Gaz. vol. 203; p. 1452.
- Rail-brace. R. Javorina. No. 1,085,049; Jan. 20; Gaz. vol. 198; p. 655.
- Rail-brace. A. R. MacDonald. No. 1,101,463; June 23; Gaz. vol. 203; p. 1196.
- Rail-brace. J. G. Mueller. No. 1,114,175; Oct. 20; Gaz. vol. 207; p. 699.
- Rail-brace. R. Sargent. No. 1,101,335; June 23; Gaz. vol. 203; p. 1153.
- Rail-brace. W. Scheuerman. No. 1,093,482; Apr. 14; Gaz. vol. 201; p. 497.
- Rail-brace. R. N. Wilson. No. 1,106,433; Aug. 11; Gaz. vol. 205; p. 336.
- Rail brace and clamp. G. E. St. John. No. 1,123,032; Dec. 29; Gaz. vol. 209; p. 1597.
- Rail-brace and tie-plate, Combined. O. H. Courson. No. 1,102,725; July 7; Gaz. vol. 204; p. 175.
- Rail-chair. K. Dombele. No. 1,108,069; Aug. 18; Gaz. vol. 205; p. 961.
- Rail-chair. P. Hebert. No. 1,086,046; Feb. 3; Gaz. vol. 199; p. 167.
- Rail-chair. R. C. Morrow. No. 1,107,984; Aug. 18; Gaz. vol. 205; p. 931.
- Rail-chair. K. Sutherland. No. 1,117,105; Nov. 10; Gaz. vol. 208; p. 609.
- Rail-chair. J. L. Wheeler. No. 1,101,722; June 30; Gaz. vol. 203; p. 1337.
- Rail chair and brace. T. Spooner. No. 1,114,927; Oct. 27; Gaz. vol. 207; p. 1018.
- Rail chair and brace. J. Wolf. No. 1,103,119; July 14; Gaz. vol. 204; p. 360.
- Rail chair and clamp. J. W. Reese. No. 1,113,048; Oct. 6; Gaz. vol. 207; p. 220.
- Rail chair and joint, Combined. H. T. Parks. No. 1,106,157; Aug. 4; Gaz. vol. 205; p. 200.
- Rail-clamp. L. Blessing. No. 1,094,516; Apr. 28; Gaz. vol. 201; p. 946.
- Rail-clamp. L. Blessing. No. 1,094,518; Apr. 28; Gaz. vol. 201; p. 946.
- Rail-clamp. T. Maney. No. 1,100,594; June 16; Gaz. vol. 203; p. 842.
- Rail clamp, Guard-. J. S. Crawford. No. 1,111,007; Sept. 22; Gaz. vol. 206; p. 885.
- Rail-clamp wheel-stop. T. Oliver. No. 1,096,121; May 12; Gaz. vol. 202; p. 359.
- Rail cleaner, Third-. E. F. Horstmann. No. 1,112,616; Oct. 6; Gaz. vol. 207; p. 74.
- Rail, Composite. W. Ferguson, Jr., and A. W. Buel. No. 1,090,466; Mar. 17; Gaz. vol. 200; p. 707.
- Rail, Composite. E. E. Slick. No. 1,121,677; Dec. 22; Gaz. vol. 209; p. 1087.
- Rail, Compound. D. F. Crawford. No. 1,098,614; June 2; Gaz. vol. 203; p. 89.
- Rail, Compound. D. F. Crawford. No. 1,098,615; June 2; Gaz. vol. 203; p. 89.
- Rail, Compound. J. P. A. Pearson. No. 1,098,635; June 2; Gaz. vol. 203; p. 96.
- Rail, Compound. W. A. Seeley. No. 1,105,847; Aug. 4; Gaz. vol. 205; p. 92.
- Rail connector and brace. P. Carrigan. No. 1,121,162; Dec. 15; Gaz. vol. 209; p. 874.
- Rail connector, Guard-. C. T. Coates. No. 1,107,036; Aug. 11; Gaz. vol. 205; p. 548.
- Rail construction. M. R. Brown. No. 1,091,281; Mar. 24; Gaz. vol. 200; p. 1016.
- Rail contact, Third-. S. Przespolewski. No. 1,117,441; Nov. 17; Gaz. vol. 208; p. 767.
- Rail, Continuous. A. Bagley. No. 1,094,189; Apr. 21; Gaz. vol. 201; p. 777.
- Rail-controller. W. H. Boyd. No. 1,108,688; Aug. 25; Gaz. vol. 205; p. 1223.
- Rail-coupling device, Safety. W. S. Beeman. No. 1,100,862; June 23; Gaz. vol. 203; p. 990.
- Rail-drill, Portable. C. J. Coulter. No. 1,115,402; Oct. 27; Gaz. vol. 207; p. 1182.
- Rail-fastener. J. B. Atwood. No. 1,091,790; Mar. 31; Gaz. vol. 200; p. 1233.
- Rail-fastener. S. C. Collins. No. 1,103,129; July 14; Gaz. vol. 204; p. 363.
- Rail-fastener. A. Griesemer. No. 1,121,352; Dec. 15; Gaz. vol. 209; p. 937.
- Rail-fastener. I. E. Hindman. No. 1,089,704; Mar. 10; Gaz. vol. 200; p. 401.
- Rail-fastener. E. Miner. No. 1,108,776; Aug. 25; Gaz. vol. 205; p. 1253.
- Rail-fastener. H. C. Nunn. No. 1,087,392; Feb. 17; Gaz. vol. 199; p. 727.
- Rail-fastener. I. Romo and F. D. Ritter. No. 1,084,035; Jan. 13; Gaz. vol. 198; p. 288.
- Rail-fastener. F. E. Spencer. No. 1,086,411; Feb. 10; Gaz. vol. 199; p. 335.
- Rail-fastener. D. B. Stults. No. 1,120,000; Dec. 8; Gaz. vol. 209; p. 414.

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- Rail-fastener. W. C. Toney. No. 1,096,768; May 12; Gaz. vol. 202; p. 577.
- Rail fastener and pad. H. N. Hanzlik. No. 1,114,471; Oct. 20; Gaz. vol. 207; p. 806.
- Rail fastener, Guard-. W. S. Newhall and A. W. Richards. No. 1,099,569; June 9; Gaz. vol. 203; p. 456.
- Rail-fastening. W. A. Crowell. No. 1,109,046; Sept. 1; Gaz. vol. 206; p. 67.
- Rail-fastening. L. Fauqué. No. 1,087,004; Feb. 10; Gaz. vol. 199; p. 540.
- Rail-fastening. A. B. B. Harris. No. 1,096,301; May 12; Gaz. vol. 202; p. 421.
- Rail-fastening. A. B. B. Harris. No. 1,098,036; May 26; Gaz. vol. 202; p. 1110.
- Rail-fastening. A. E. Hogrebe. No. 1,086,771; Feb. 10; Gaz. vol. 199; p. 462.
- Rail-fastening. F. Wiedner. No. 1,121,215; Dec. 15; Gaz. vol. 209; p. 890.
- Rail fastening and gage. C. K. McDermott. No. 1,107,085; Aug. 11; Gaz. vol. 205; p. 565.
- Rail-fastening device. R. L. Clark. No. 1,085,797; Feb. 3; Gaz. vol. 199; p. 78.
- Rail-fastening device. G. M. Côté. No. 1,111,528; Sept. 22; Gaz. vol. 206; p. 1064.
- Rail-fastening device. A. F. Hammerschmidt. No. 1,101,180; June 23; Gaz. vol. 203; p. 1100.
- Rail-fastening device. J. H. Messner. No. 1,092,072; Mar. 31; Gaz. vol. 200; p. 1327.
- Rail-fastening device. G. Rielly. No. 1,097,880; May 26; Gaz. vol. 202; p. 1055.
- Rail-fastening device. F. R. White. No. 1,097,831; May 26; Gaz. vol. 202; p. 1037.
- Rail-fastening means. W. M. Osborn. No. 1,089,861; Mar. 10; Gaz. vol. 200; p. 454.
- Rail-fastening to ties. T. H. Elliott. No. 1,084,619; Jan. 20; Gaz. vol. 198; p. 509.
- Rail-fitting. H. J. Bonham. No. 1,110,183; Sept. 8; Gaz. vol. 206; p. 512.
- Rail-frog guard. C. A. Caldwell. No. 1,083,799; Jan. 6; Gaz. vol. 198; p. 177.
- Rail, Guard-. H. G. Elfborg. No. 1,088,975; Mar. 3; Gaz. vol. 200; p. 104.
- Rail-guard. J. Mihalyak. No. 1,103,680; July 14; Gaz. vol. 204; p. 557.
- Rail-handling apparatus. B. F. Brown. No. 1,092,630; Apr. 7; Gaz. vol. 201; p. 175.
- Rail-holder. S. Gasser. No. 1,092,525; Apr. 7; Gaz. vol. 201; p. 139.
- Rail-holding device. H. W. Young. No. 1,106,767; Aug. 11; Gaz. vol. 205; p. 457.
- Rail indicator, Spreading-. E. Kaddatz. No. 1,106,876; Aug. 11; Gaz. vol. 205; p. 495.
- Rail-joint. C. C. Acker. No. 1,091,029; Mar. 24; Gaz. vol. 200; p. 931.
- Rail-joint. O. Allen, Jr. No. 1,092,624; Apr. 7; Gaz. vol. 201; p. 173.
- Rail-joint. T. Ansley. No. 1,109,951; Sept. 8; Gaz. vol. 206; p. 429.
- Rail-joint. W. Armsworth. No. 1,092,003; Mar. 31; Gaz. vol. 200; p. 1305.
- Rail-joint. E. E. August. No. 1,122,355; Dec. 29; Gaz. vol. 209; p. 1360.
- Rail-joint. J. G. Baling. No. 1,118,620; Nov. 24; Gaz. vol. 208; p. 1221.
- Rail-joint. C. E. Ballou. No. 1,104,864; July 28; Gaz. vol. 204; p. 1053.
- Rail-joint. E. L. Barnes. No. 1,107,017; Aug. 11; Gaz. vol. 205; p. 542.
- Rail-joint. A. M. Bauer. No. 1,104,241; July 21; Gaz. vol. 204; p. 788.
- Rail-joint. S. D. Bell. No. 1,085,589; Feb. 3; Gaz. vol. 199; p. 4.
- Rail-joint. L. Blessing. No. 1,094,515; Apr. 28; Gaz. vol. 201; p. 945.
- Rail-joint. J. E. Boland. No. 1,108,324; Aug. 25; Gaz. vol. 205; p. 1099.
- Rail-joint. A. Bourrassa. No. 1,112,670; Oct. 6; Gaz. vol. 207; p. 93.
- Rail-joint. S. Bowman. No. 1,100,210; June 16; Gaz. vol. 203; p. 713.
- Rail-joint. B. G. Braine. No. 1,103,394; July 14; Gaz. vol. 204; p. 453.
- Rail-joint. W. and F. Burrus. No. 1,095,623; May 5; Gaz. vol. 202; p. 153.
- Rail-joint. A. J. Calfee. No. 1,104,406; July 21; Gaz. vol. 204; p. 845.
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- Rail-joint. J. Carton. No. 1,116,672; Nov. 10; Gaz. vol. 208; p. 459.
- Rail-joint. J. Cekus. No. 1,101,252; June 23; Gaz. vol. 203; p. 1125.
- Rail-joint. L. A. and A. A. Chmara. No. 1,097,301; May 19; Gaz. vol. 202; p. 809.
- Rail-joint. P. T. Corbin. No. 1,086,895; Feb. 10; Gaz. vol. 199; p. 505.
- Rail-joint. R. W. Davis. No. 1,084,072; Jan. 13; Gaz. vol. 198; p. 299.
- Rail-joint. R. N. Dithmer. No. 1,085,672; Feb. 3; Gaz. vol. 199; p. 33.
- Rail-joint. N. Durbin. No. 1,096,696; May 12; Gaz. vol. 202; p. 553.
- Rail-joint. E. Dvoracek. No. 1,111,887; Sept. 29; Gaz. vol. 206; p. 1229.
- Rail-joint. G. Edick. No. 1,109,407; Sept. 1; Gaz. vol. 206; p. 196.
- Rail-joint. J. W. Enright. No. 1,083,811; Jan. 6; Gaz. vol. 198; p. 182.
- Rail-joint. J. E. Etherton. No. 1,114,453; Oct. 20; Gaz. vol. 207; p. 799.
- Rail-joint. H. G. Evans. No. 1,090,699; Mar. 17; Gaz. vol. 200; p. 786.
- Rail-joint. J. B. Evans, Sr. No. 1,093,555; Apr. 14; Gaz. vol. 201; p. 520.
- Rail-joint. S. B. Fedrick. No. 1,112,776; Oct. 6; Gaz. vol. 207; p. 128.
- Rail-joint. W. R. Fischer. No. 1,107,923; Aug. 18; Gaz. vol. 205; p. 909.
- Rail-joint. A. C. Gee. No. 1,096,425; May 12; Gaz. vol. 202; p. 463.
- Rail-joint. H. E. Giddings. No. 1,107,930; Aug. 18; Gaz. vol. 205; p. 911.
- Rail-joint. H. G. Gillmor. No. 1,107,419; Aug. 18; Gaz. vol. 205; p. 734.
- Rail-joint. W. M. Gleeson. No. 1,088,562; Feb. 24; Gaz. vol. 199; p. 1173.
- Rail-joint. W. M. Glotfelty. No. 1,114,688; Oct. 20; Gaz. vol. 207; p. 878.
- Rail-joint. C. P. Goetzinger. No. 1,104,656; July 21; Gaz. vol. 204; p. 932.
- Rail-joint. C. E. Goodrich. No. 1,085,033; Jan. 20; Gaz. vol. 198; p. 650.
- Rail-joint. P. Hadnagy. No. 1,091,651; Mar. 31; Gaz. vol. 200; p. 1184.
- Rail-joint. E. H. Hall. No. 1,110,200; Sept. 8; Gaz. vol. 206; p. 518.
- Rail-joint. M. F. Haller. No. 1,117,038; Nov. 10; Gaz. vol. 208; p. 586.
- Rail-joint. M. G. Helm. No. 1,108,841; Aug. 25; Gaz. vol. 205; p. 1276.
- Rail-joint. G. Helmers. No. 1,115,817; Nov. 3; Gaz. vol. 208; p. 117.
- Rail-joint. C. Herndon. No. 1,103,964; July 21; Gaz. vol. 204; p. 694.
- Rail-joint. A. V. Hoener. No. 1,118,771; Nov. 24; Gaz. vol. 208; p. 1271.
- Rail-joint. G. Holinka. No. 1,088,150; Feb. 24; Gaz. vol. 199; p. 1038.
- Rail-joint. E. Holmquist. No. 1,101,441; June 23; Gaz. vol. 203; p. 1189.
- Rail-joint. J. W. Hunter. No. 1,093,559; Apr. 14; Gaz. vol. 201; p. 521.
- Rail-joint. J. Isbell. No. 1,088,581; Feb. 24; Gaz. vol. 199; p. 1179.
- Rail-joint. J. M. Johnson. (Reissue.) No. 13,703; Mar. 24; Gaz. vol. 200; p. 1078.
- Rail-joint. O. Johnson. No. 1,103,881; July 14; Gaz. vol. 204; p. 624.
- Rail-joint. J. W. Jones and T. M. Jerrel. No. 1,087,775; Feb. 17; Gaz. vol. 199; p. 861.
- Rail-joint. J. R. Keller. No. 1,089,058; Mar. 3; Gaz. vol. 200; p. 131.
- Rail-joint. A. C. Kelley and S. A. Murphy. No. 1,108,371; Aug. 25; Gaz. vol. 205; p. 1114.
- Rail-joint. E. F. Kenney. No. 1,114,005; Oct. 20; Gaz. vol. 207; p. 638.
- Rail-joint. H. F. A. Kleinschmidt. No. 1,111,594; Sept. 22; Gaz. vol. 206; p. 1087.
- Rail-joint. F. Klimeczek and J. Zelezniak. No. 1,098,909; June 2; Gaz. vol. 203; p. 188.
- Rail-joint. C. C. Lamb. No. 1,113,127; Oct. 6; Gaz. vol. 207; p. 246.
- Rail-joint. M. A. Luraas. No. 1,122,520; Dec. 29; Gaz. vol. 209; p. 1416.
- Rail-joint. A. Madarász and F. Abraham. No. 1,115,703; Nov. 3; Gaz. vol. 208; p. 82.
- Rail-joint. J. A. Maloy. No. 1,103,677; July 14; Gaz. vol. 204; p. 556.
- Rail-joint. A. Mazur. No. 1,108,200; Aug. 25; Gaz. vol. 205; p. 1055.
- Rail-joint. R. H. McCarthy. No. 1,111,484; Sept. 22; Gaz. vol. 206; p. 1049.
- Rail-joint. H. H. McFarlane. No. 1,097,555; May 19; Gaz. vol. 202; p. 894.
- Rail-joint. G. W. Mims, Sr. No. 1,085,059; Jan. 20; Gaz. vol. 198; p. 658.
- Rail-joint. J. F. Montine. No. 1,113,037; Oct. 6; Gaz. vol. 207; p. 216.
- Rail-joint. J. Mróz. No. 1,121,119; Dec. 15; Gaz. vol. 209; p. 358.
- Rail-joint. J. R. Nagy. No. 1,098,829; June 2; Gaz. vol. 203; p. 159.
- Rail-joint. H. F. Nelson. No. 1,109,780; Sept. 8; Gaz. vol. 206; p. 366.
- Rail-joint. F. H. Oliskie. No. 1,087,505; Feb. 17; Gaz. vol. 199; p. 767.
- Rail-joint. L. W. Owen. No. 1,117,514; Nov. 17; Gaz. vol. 208; p. 793.
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- Rail-joint. E. W. Preble. No. 1,095,026; Apr. 28; Gaz. vol. 201; p. 1126.
- Rail-joint. W. M. Pugh. No. 1,093,727; Apr. 21; Gaz. vol. 201; p. 624.
- Rail-joint. W. Raroha. No. 1,109,178; Sept. 1; Gaz. vol. 206; p. 115.
- Rail-joint. D. Ratchiff. No. 1,109,465; Sept. 1; Gaz. vol. 206; p. 215.
- Rail-joint. J. Reimann, Jr. No. 1,088,625; Feb. 24; Gaz. vol. 199; p. 1194.
- Rail-joint. J. W. Reynolds. No. 1,105,697; Aug. 4; Gaz. vol. 205; p. 39.
- Rail-joint. J. H. Robbins. No. 1,084,484; Jan. 13; Gaz. vol. 198; p. 433.
- Rail-joint. M. M. Roberts. No. 1,097,467; May 19; Gaz. vol. 202; p. 865.
- Rail-joint. T. Roberts. No. 1,112,477; Oct. 6; Gaz. vol. 207; p. 22.
- Rail-joint. J. G. Royse. No. 1,093,885; Apr. 21; Gaz. vol. 201; p. 675.
- Rail-joint. A. Sadlock. No. 1,100,784; June 23; Gaz. vol. 203; p. 961.
- Rail-joint. J. Schuler. No. 1,097,109; May 19; Gaz. vol. 202; p. 741.
- Rail-joint. F. Siwak. No. 1,114,395; Oct. 20; Gaz. vol. 207; p. 776.
- Rail-joint. E. M. Smith. No. 1,090,504; Mar. 17; Gaz. vol. 200; p. 721.
- Rail-joint. P. L. Smith. No. 1,087,844; Feb. 17; Gaz. vol. 199; p. 883.
- Rail-joint. R. J. Smith. No. 1,090,949; Mar. 24; Gaz. vol. 200; p. 902.
- Rail-joint. W. Smith. No. 1,100,500; June 16; Gaz. vol. 203; p. 812.
- Rail-joint. J. W. Stephenson. No. 1,093,155; Apr. 14; Gaz. vol. 201; p. 389.
- Rail-joint. J. W. Stephenson. No. 1,093,158; Apr. 14; Gaz. vol. 201; p. 390.
- Rail-joint. R. Stuebner. No. 1,109,482; Sept. 1; Gaz. vol. 206; p. 220.
- Rail-joint. M. Such. No. 1,117,532; Nov. 17; Gaz. vol. 208; p. 799.
- Rail-joint. S. Swain. No. 1,105,220; July 28; Gaz. vol. 204; p. 1176.
- Rail-joint. J. L. Thomas. No. 1,090,175; Mar. 17; Gaz. vol. 200; p. 605.
- Rail-joint. A. Van Beuning and B. F. Killam. No. 1,090,967; Mar. 24; Gaz. vol. 200; p. 908.
- Rail-joint. S. J. Watkins. No. 1,095,440; May 5; Gaz. vol. 202; p. 91.
- Rail-joint. H. S. Wikel. No. 1,111,630; Sept. 22; Gaz. vol. 206; p. 1099.
- Rail-joint. J. D. Young. No. 1,106,021; Aug. 4; Gaz. vol. 205; p. 152.
- Rail joint and chair. O. Anderson. No. 1,115,153; Oct. 27; Gaz. vol. 207; p. 1098.
- Rail joint and chair. F. E. Hult. No. 1,099,302; June 9; Gaz. vol. 203; p. 362.
- Rail joint and chair. L. Hunyadi. No. 1,104,193; July 21; Gaz. vol. 204; p. 772.
- Rail joint and chair. J. Kukla. No. 1,114,369; Oct. 20; Gaz. vol. 207; p. 767.
- Rail joint and chair. W. F. Scherer. No. 1,122,163; Dec. 22; Gaz. vol. 209; p. 1255.
- Rail-joint and rail-clamp. Combination. J. H. Browder. No. 1,093,682; Apr. 21; Gaz. vol. 201; p. 608.
- Rail-joint attachment. W. Mauch and W. Koenig. No. 1,111,395; Sept. 22; Gaz. vol. 206; p. 1018.
- Rail-joint bars, Making. G. A. Weber. No. 1,116,181; Nov. 3; Gaz. vol. 208; p. 244.
- Rail-joint bars, Making. B. Wolhaupter. No. 1,083,578; Jan. 6; Gaz. vol. 198; p. 105.
- Rail-joint bars, Making. B. Wolhaupter. No. 1,083,579; Jan. 6; Gaz. vol. 198; p. 105.
- Rail-joint, Boltless. J. Marczi. No. 1,107,433; Aug. 18; Gaz. vol. 205; p. 739.
- Rail-joint chair. W. R. Arnold. No. 1,096,986; May 19; Gaz. vol. 202; p. 697.
- Rail-joint chair. J. Mattern. No. 1,096,178; May 12; Gaz. vol. 202; p. 377.
- Rail-joint chair. W. J. McKenzie. No. 1,107,540; Aug. 18; Gaz. vol. 205; p. 776.
- Rail-joint chair. C. C. Williams. No. 1,099,628; June 9; Gaz. vol. 203; p. 475.
- Rail-joint, Crowned-base. B. Wolhaupter. No. 1,103,460; July 14; Gaz. vol. 204; p. 476.
- Rail-joint, Insulated. J. H. Allen. No. 1,110,098; Sept. 8; Gaz. vol. 206; p. 481.
- Rail-joint, Insulated. L. Griffith. No. 1,107,666; Aug. 18; Gaz. vol. 205; p. 822.
- Rail-joint, Insulated. J. R. Keller. No. 1,110,291; Sept. 8; Gaz. vol. 206; p. 550.
- Rail-joint, Insulated. E. F. Schermerhorn. No. 1,084,903; Jan. 20; Gaz. vol. 198; p. 606.
- Rail-joint, Insulated. H. L. Wood. No. 1,087,623; Feb. 17; Gaz. vol. 199; p. 808.
- Rail-joint lock. J. W. Cameron. No. 1,116,239; Nov. 3; Gaz. vol. 208; p. 264.
- Rail-joint pattern. B. G. Braine. No. 1,118,841; Nov. 24; Gaz. vol. 208; p. 1295.
- Rail-joint, Reinforced. E. M. Smith. No. 1,086,734; Feb. 10; Gaz. vol. 199; p. 448.
- Rail-joint, Safety boltless. J. D. Young. No. 1,102,561; July 7; Gaz. vol. 204; p. 119.
- Rail-joint support. G. H. Williams. No. 1,084,989; Jan. 20; Gaz. vol. 198; p. 634.
- Rail-joint, Vertical-locking. G. H. Hoelscher. No. 1,088,989; Mar. 3; Gaz. vol. 200; p. 109.
- Rail-joints, Screwless angle-bar and anticreeping device for. J. Frisch. No. 1,100,967; June 23; Gaz. vol. 203; p. 1028.
- Rail-joints, Track-fastening for. B. Wolhaupter. No. 1,118,832; Nov. 24; Gaz. vol. 208; p. 1292.
- Rail-loader. M. Feeney. No. 1,083,390; Jan. 6; Gaz. vol. 198; p. 44.
- Rail, Lock-joint. E. L. Swindler. No. 1,095,243; May 5; Gaz. vol. 202; p. 24.
- Rail plate, Guard-. W. L. De Remer. No. 1,111,141; Sept. 22; Gaz. vol. 206; p. 932.
- Rail-protector. D. C. Rodgers. No. 1,102,083; June 30; Gaz. vol. 203; p. 1466.
- Rail-retainer. G. Smith. No. 1,120,098; Dec. 8; Gaz. vol. 209; p. 447.
- Rail, Safety-. J. A. Speck. No. 1,104,080; July 21; Gaz. vol. 204; p. 734.
- Rail scraper, Electric-. G. A. Demmler. No. 1,087,109; Feb. 17; Gaz. vol. 199; p. 627.
- Rail-securing device. W. L. De Remer. No. 1,083,436; Jan. 6; Gaz. vol. 198; p. 60.
- Rail-securing device. A. Stark. No. 1,095,432; May 5; Gaz. vol. 202; p. 88.
- Rail-shifting apparatus. R. Kleber. No. 1,092,057; Mar. 31; Gaz. vol. 200; p. 1322.
- Rail sleeper, Street-. H. S. Gover. No. 1,103,761; July 14; Gaz. vol. 204; p. 582.
- Rail socket, Guard-. E. M. Glass. No. 1,120,048; Dec. 8; Gaz. vol. 209; p. 431.
- Rail-spike. H. T. Hughes. No. 1,087,912; Feb. 17; Gaz. vol. 199; p. 906.
- Rail-spike. J. Kruttschnitt. No. 1,084,804; Jan. 20; Gaz. vol. 198; p. 574.
- Rail-splice. W. Slater. No. 1,089,280; Mar. 3; Gaz. vol. 200; p. 207.
- Rail-spreader, Hydraulic. G. Mills and J. J. Cahill. No. 1,101,809; June 30; Gaz. vol. 203; p. 1368.
- Rail-stay. F. A. Preston and P. W. Moore. No. 1,111,860; Sept. 29; Gaz. vol. 206; p. 1219.
- Rail-stay. J. M. Vail. No. 1,091,603; Mar. 31; Gaz. vol. 200; p. 1167.
- Rail-stop. H. J. Melville. No. 1,104,528; July 21; Gaz. vol. 204; p. 889.
- Rail-support. F. O. Hellstrom. No. 1,112,613; Oct. 6; Gaz. vol. 207; p. 73.
- Rail-support. J. W. Stephenson. No. 1,093,157; Apr. 14; Gaz. vol. 201; p. 390.
- Rail support, Third-. W. B. Potter. No. 1,104,220; July 21; Gaz. vol. 204; p. 781.
- Rail supporting and fastening device. D. L. Braine. No. 1,083,270; Jan. 6; Gaz. vol. 198; p. 4.
- Rail-supporting structure. C. M. Gidanski. No. 1,110,124; Sept. 8; Gaz. vol. 206; p. 491.
- Rail-supporting tie and rail-brace, Combined metallic. A. L. Austin. No. 1,097,206; May 19; Gaz. vol. 202; p. 775.
- Rail systems, Contact-shoe device for third-. H. S. Farquhar. No. 1,094,137; Apr. 21; Gaz. vol. 201; p. 758.
- Rail-tie. C. Berg. No. 1,108,682; Aug. 25; Gaz. vol. 205; p. 1221.
- Rail-tie. D. C. Blose and M. Shultz. No. 1,089,309; Mar. 3; Gaz. vol. 200; p. 216.
- Rail-tie. J. Bons. No. 1,086,505; Feb. 10; Gaz. vol. 199; p. 368.
- Rail-tie. S. Friedman. No. 1,090,041; Mar. 10; Gaz. vol. 200; p. 516.
- Rail-tie. S. Friedman. No. 1,090,042; Mar. 10; Gaz. vol. 200; p. 517.
- Rail-tie. M. T. Hansen. No. 1,083,322; Jan. 6; Gaz. vol. 198; p. 21.
- Rail-tie. J. H. Kussman. No. 1,099,060; June 2; Gaz. vol. 203; p. 236.
- Rail-tie. J. G. MacRae. No. 1,099,305; June 9; Gaz. vol. 203; p. 363.
- Rail-tie. E. McKenzie. No. 1,115,225; Oct. 27; Gaz. vol. 207; p. 1124.
- Rail-tie. I. A. Miller. No. 1,092,073; Mar. 31; Gaz. vol. 200; p. 1327.
- Rail-tie. E. L. Oliver. No. 1,113,136; Oct. 6; Gaz. vol. 207; p. 249.
- Rail-tie. W. Randall. No. 1,099,616; June 9; Gaz. vol. 203; p. 470.
- Rail-tie. J. Wysocki. No. 1,102,845; July 7; Gaz. vol. 204; p. 218.
- Rail tie and fastener. W. Biery and A. Beaucoudray. No. 1,088,680; Mar. 3; Gaz. vol. 200; p. 3.
- Rail tie and fastener. C. M. Brown. No. 1,117,635; Nov. 17; Gaz. vol. 208; p. 835.
- Rail tie and fastener. S. M. Lewis. No. 1,090,315; Mar. 17; Gaz. vol. 200; p. 653.

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- Rail tie and fastener, Combined. B. McDermot. No. 1,101,306; June 23; Gaz. vol. 203; p. 1144.
- Rail tie and joint. D. Hall. No. 1,114,751; Oct. 27; Gaz. vol. 207; p. 953.
- Rail tie and joint. C. V. Wilford. No. 1,083,474; Jan. 6; Gaz. vol. 198; p. 72.
- Rail tie and joint. A. Zimmerman. No. 1,110,735; Sept. 15; Gaz. vol. 206; p. 747.
- Rail-tie and rail-fastener. G. F. Richmond. No. 1,113,830; Oct. 13; Gaz. vol. 207; p. 539.
- Rail-tie, Concrete. A. S. Dunkle and G. E. Harner. No. 1,115,416; Oct. 27; Gaz. vol. 207; p. 1188.
- Rail-tie, Metal. E. L. Arthur and R. H. Worrell. No. 1,121,964; Dec. 22; Gaz. vol. 209; p. 1187.
- Rail-tie, Metal. J. I. Hoffman. No. 1,105,432; July 28; Gaz. vol. 204; p. 1253.
- Rail-tie, Metallic. Z. Bourdeau. No. 1,100,209; June 16; Gaz. vol. 203; p. 712.
- Rail-tie, Metallic. J. W. and G. W. Seaton. No. 1,095,601; May 5; Gaz. vol. 202; p. 147.
- Rail-tie plate. O. P. Morrison. No. 1,099,929; June 16; Gaz. vol. 203; p. 615.
- Rail-tie-plate clamp. E. J. Banker and J. B. Strong. No. 1,108,881; Sept. 1; Gaz. vol. 206; p. 6.
- Rail tie-plate, Guard-. J. W. Stephenson. No. 1,093,156; Apr. 14; Gaz. vol. 201; p. 390.
- Rail-tie-spacing device. W. R. Pararo. No. 1,122,150; Dec. 22; Gaz. vol. 209; p. 1251.
- Rail-tie-spacing device. S. H. Young. No. 1,103,726; July 14; Gaz. vol. 204; p. 571.
- Rail-track-sluing machine. W. U. Arbenz and O. Kammerer. No. 1,100,006; June 16; Gaz. vol. 203; p. 642.
- Rail wedge device, Guard-. E. N. Strom. No. 1,121,304; Dec. 15; Gaz. vol. 209; p. 920.
- Rails and the like, Uniting. H. Goldschmidt. No. 1,090,296; Mar. 17; Gaz. vol. 200; p. 647.
- Rails, Apparatus for use in butt-welding the ends of. W. Brewitt. No. 1,088,006; Feb. 24; Gaz. vol. 199; p. 988.
- Rails, Bridle for track-. J. C. Redmond. No. 1,105,101; July 28; Gaz. vol. 204; p. 1135.
- Rails, Foot-guard for. D. D. Lyons. No. 1,120,069; Dec. 8; Gaz. vol. 209; p. 438.
- Rails, Means for indicating broken. J. H. Gartside. No. 1,092,986; Apr. 14; Gaz. vol. 201; p. 330.
- Rails, Safety lock-shoe for. W. Edwards. No. 1,099,288; June 9; Gaz. vol. 203; p. 358.
- Rails, &c., Sawing-machine for. F. Ibach. No. 1,120,718; Dec. 15; Gaz. vol. 209; p. 716.
- Railing-support. H. W. Allard. No. 1,101,610; June 30; Gaz. vol. 203; p. 1300.
- Railway. C. A. Faron. No. 1,090,140; Mar. 17; Gaz. vol. 200; p. 591.
- Railway. W. Pratt. No. 1,112,319; Sept. 29; Gaz. vol. 206; p. 1374.
- Railway. H. L. Roberts. No. 1,118,052; Nov. 24; Gaz. vol. 208; p. 1022.
- Railway accidents, Apparatus for preventing. H. L. Lockart. No. 1,090,998; Mar. 24; Gaz. vol. 200; p. 919.
- Railway, Amusement-. H. J. Muller. No. 1,092,740; Apr. 7; Gaz. vol. 201; p. 211.
- Railway and like rails, Means for preventing the creeping of. A. Rambacher. No. 1,121,866; Dec. 22; Gaz. vol. 209; p. 1154.
- Railway and like traffic, Means for the regulation or control of. H. von Kramer. No. 1,094,407; Apr. 21; Gaz. vol. 201; p. 848.
- Railway and road vehicles, Buffer and coupling for. J. F. Harker. No. 1,105,511; July 28; Gaz. vol. 204; p. 1281.
- Railway and signaling system therefor, Electric. L. H. Thullen. No. 1,092,411; Apr. 7; Gaz. vol. 201; p. 99.
- Railway and tramway. C. de Bange. No. 1,085,373; Jan. 27; Gaz. vol. 198; p. 805.
- Railway angle-bar. E. H. Field and W. F. Walker. No. 1,089,632; Mar. 10; Gaz. vol. 200; p. 376.
- Railway angle-bar. W. E. Miller. No. 1,097,183; May 19; Gaz. vol. 202; p. 766.
- Railway anticreeping device. H. T. Hughes. No. 1,111,696; Sept. 22; Gaz. vol. 206; p. 1124.
- Railway anticreeping device. P. W. Mosher. No. 1,121,752; Dec. 22; Gaz. vol. 209; p. 1112.
- Railway appliance, Safety. J. Kush, Jr. No. 1,098,270; May 26; Gaz. vol. 202; p. 1191.
- Railway appliance, Safety. E. J. Masterson. No. 1,100,316; June 16; Gaz. vol. 203; p. 749.
- Railway automatic signal and stop. L. C. Krummel. No. 1,117,862; Nov. 17; Gaz. vol. 208; p. 916.
- Railway, Automobile-. J. A. Grose. No. 1,106,507; Aug. 11; Gaz. vol. 205; p. 366.
- Railway-bed and rail-support. J. B. Thomas. No. 1,109,267; Sept. 1; Gaz. vol. 206; p. 146.
- Railway block-signal and train-controlling system. G. R. Guild. No. 1,095,982; May 5; Gaz. vol. 202; p. 274.
- Railway block-signal system. A. S. Gross. No. 1,099,795; June 9; Gaz. vol. 203; p. 532.
- Railway block-signal system, Automatic. P. J. Simmen. No. 1,118,311; Nov. 24; Gaz. vol. 208; p. 1110.
- Railway block-signaling apparatus, Electrical. G. H. Brown. No. 1,097,388; May 19; Gaz. vol. 202; p. 839.
- Railway block system. W. L. Rummel. No. 1,101,663; June 30; Gaz. vol. 203; p. 1318.
- Railway-brake. D. T. Fisher. No. 1,116,811; Nov. 10; Gaz. vol. 208; p. 508.
- Railway-brake. J. B. Gravelle. No. 1,108,900; Sept. 1; Gaz. vol. 206; p. 13.
- Railway-brake control, Automatic. A. Laschinski. No. 1,115,691; Nov. 3; Gaz. vol. 208; p. 78.
- Railway-brake mechanism. E. Carrau. No. 1,119,242; Dec. 1; Gaz. vol. 209; p. 118.
- Railway-brake slack-adjuster. F. D. Ward. No. 1,113,720; Oct. 13; Gaz. vol. 207; p. 499.
- Railway-buffer. F. Rawie. No. 1,112,476; Oct. 6; Gaz. vol. 207; p. 21.
- Railway bumper-posts, Shock-absorbing member for. J. F. O'Connor. No. 1,122,992; Dec. 29; Gaz. vol. 209; p. 1583.
- Railway bumping block or post. J. M. Waugh. No. 1,104,332; July 21; Gaz. vol. 204; p. 820.
- Railway, Cable-. J. M. McClellon. No. 1,096,931; May 19; Gaz. vol. 202; p. 678.
- Railway, Cable-. J. M. McClellon. No. 1,096,932; May 19; Gaz. vol. 202; p. 678.
- Railway card-holder. J. R. Carmer and C. O. Keagy. No. 1,102,869; July 7; Gaz. vol. 204; p. 226.
- Railway-carriages, Water-closet for. W. West. No. 1,112,507; Oct. 6; Gaz. vol. 207; p. 33.
- Railway cattle-gate. W. G. King. No. 1,083,367; Jan. 6; Gaz. vol. 198; p. 36.
- Railway cattle-guard. H. E. Hopkins. No. 1,105,434; July 28; Gaz. vol. 204; p. 1254.
- Railway-chair. G. F. Williamson. No. 1,121,216; Dec. 15; Gaz. vol. 209; p. 891.
- Railway-coaches, Auxiliary step for. B. F. Roberts. No. 1,106,972; Aug. 11; Gaz. vol. 205; p. 529.
- Railway composite tie. W. J. Crawford and E. R. Inman. No. 1,087,281; Feb. 17; Gaz. vol. 199; p. 688.
- Railway construction. W. C. Crosby. No. 1,099,844; June 9; Gaz. vol. 203; p. 547.
- Railway construction. R. N. Dithmer. No. 1,096,608; May 12; Gaz. vol. 202; p. 523.
- Railway construction. R. N. Dithmer. No. 1,119,580; Dec. 1; Gaz. vol. 209; p. 235.
- Railway construction. J. Lamb. No. 1,116,446; Nov. 10; Gaz. vol. 208; p. 374.
- Railway-construction machine. J. B. Hoge. No. 1,121,629; Dec. 22; Gaz. vol. 209; p. 1069.
- Railway-construction machinery. J. B. Hoge. No. 1,108,578; Aug. 25; Gaz. vol. 205; p. 1186.
- Railway construction, Overhead-. F. O. Gustafson. No. 1,112,446; Oct. 6; Gaz. vol. 207; p. 11.
- Railway-control system, Automatic. C. S. Stanton. No. 1,084,047; Jan. 13; Gaz. vol. 198; p. 291.
- Railway-coupling. W. T. Van Dorn. No. 1,121,692; Dec. 22; Gaz. vol. 209; p. 1092.
- Railway-coupling, Automatic. A. Lanzdorf. No. 1,107,324; Aug. 18; Gaz. vol. 205; p. 698.
- Railway cross-tie. W. H. Alexander. No. 1,094,769; Apr. 28; Gaz. vol. 201; p. 1037.
- Railway cross-tie. J. A. Atwood. (Reissue.) No. 13,814; Oct. 27; Gaz. vol. 207; p. 1208.
- Railway cross-tie. B. F. Cornelius. No. 1,097,082; May 19; Gaz. vol. 202; p. 733.
- Railway cross-tie. C. W. Giles. No. 1,089,048; Mar. 3; Gaz. vol. 200; p. 128.
- Railway cross-tie. C. M. Gunter and C. F. Nelson. No. 1,083,488; Jan. 6; Gaz. vol. 198; p. 76.
- Railway cross-tie. D. W. Hostetler. No. 1,102,663; July 7; Gaz. vol. 204; p. 155.
- Railway cross-tie. J. H. Messner. No. 1,094,232; Apr. 21; Gaz. vol. 201; p. 791.
- Railway cross-tie. S. Michaels. No. 1,095,412; May 5; Gaz. vol. 202; p. 82.
- Railway cross-tie. L. C. Mooney. No. 1,096,315; May 12; Gaz. vol. 202; p. 426.
- Railway cross-tie. A. L. Stevens. No. 1,106,423; Aug. 11; Gaz. vol. 205; p. 333.
- Railway cross-tie, Metallic. F. S. Hunter. No. 1,094,719; Apr. 28; Gaz. vol. 201; p. 1021.
- Railway-crossing. V. Angerer. No. 1,116,199; Nov. 3; Gaz. vol. 208; p. 251.
- Railway-crossing. B. F. Blake. No. 1,095,788; May 5; Gaz. vol. 202; p. 210.
- Railway-crossing. E. F. Bosdevex. No. 1,100,346; June 16; Gaz. vol. 203; p. 759.
- Railway-crossing. R. A. Dyer, Jr. No. 1,088,688; Mar. 3; Gaz. vol. 200; p. 6.
- Railway-crossing. J. C. Engstrand. No. 1,101,265; June 23; Gaz. vol. 203; p. 1129.
- Railway-crossing. C. J. Griffith. No. 1,114,749; Oct. 27; Gaz. vol. 207; p. 953.
- Railway-crossing. C. F. Kelly. No. 1,093,784; Apr. 21; Gaz. vol. 201; p. 640.
- Railway-crossing. M. M. Roberts. No. 1,096,757; May 12; Gaz. vol. 202; p. 574.
- Railway-crossing. J. S. Spirewki, Jr. No. 1,122,325; Dec. 29; Gaz. vol. 209; p. 1350.

Alphabetical list of inventions—Continued.

- Railway-crossing, Adjustable sectional. J. W. Brees and O. L. Hupp. No. 1,102,235; July 7; Gaz. vol. 204; p. 6.
- Railway-crossing, Cast-metal. E. H. Steedman. No. 1,101,577; June 30; Gaz. vol. 203; p. 1288.
- Railway-crossing, Cast-metal. E. N. Strom. No. 1,121,305; Dec. 15; Gaz. vol. 209; p. 921.
- Railway-crossing gate. J. G. Horniack. No. 1,105,078; July 28; Gaz. vol. 204; p. 1128.
- Railway-crossing gate. J. T6th. No. 1,102,968; July 7; Gaz. vol. 204; p. 258.
- Railway-crossing gate, Electric-. A. S. Kobling. No. 1,086,775; Feb. 10; Gaz. vol. 199; p. 463.
- Railway-crossing signal. W. P. and O. M. Adleta. No. 1,108,822; Aug. 25; Gaz. vol. 205; p. 1269.
- Railway-crossing signal. J. P. Beil. No. 1,101,239; June 23; Gaz. vol. 203; p. 1121.
- Railway-crossing signal. C. Cannova. No. 1,092,521; Apr. 7; Gaz. vol. 201; p. 138.
- Railway-crossing signal. J. F. Reeder. No. 1,112,835; Oct. 6; Gaz. vol. 207; p. 149.
- Railway crossing, Street-. A. M. Hoffman. No. 1,093,184; Apr. 14; Gaz. vol. 201; p. 399.
- Railway-crossings, Automatic safety-gate for. B. C. Suits. No. 1,116,157; Nov. 3; Gaz. vol. 208; p. 236.
- Railway-crossings, Substructure for. W. P. Day. No. 1,086,901; Feb. 10; Gaz. vol. 199; p. 507.
- Railway curves, Safety device for street-. S. Bluefielder. No. 1,103,256; July 14; Gaz. vol. 204; p. 408.
- Railway danger-signal, Automatic. L. C. McAdams and G. S. Robinson. No. 1,113,455; Oct. 13; Gaz. vol. 207; p. 407.
- Railway draft-rigging. J. F. O'Connor. No. 1,120,231; Dec. 8; Gaz. vol. 209; p. 496.
- Railway, Electric. L. H. Thullen. No. 1,094,494; Apr. 28; Gaz. vol. 201; p. 939.
- Railway, Electric. G. Westinghouse. No. 1,119,913; Dec. 8; Gaz. vol. 209; p. 383.
- Railway electric signal. H. J. Warthen. No. 1,090,360; Mar. 17; Gaz. vol. 200; p. 668.
- Railway electric signal. H. J. Warthen. No. 1,090,362; Mar. 17; Gaz. vol. 200; p. 669.
- Railway electric signal system. F. J. Pilgrim. No. 1,112,473; Oct. 6; Gaz. vol. 207; p. 20.
- Railway electric signal system. H. J. Warthen. No. 1,090,357; Mar. 17; Gaz. vol. 200; p. 667.
- Railway electric train-control system. H. J. Warthen. No. 1,090,359; Mar. 17; Gaz. vol. 200; p. 668.
- Railway frogs and guard-rails, Safety device for. E. B. Malcolm. No. 1,104,305; July 21; Gaz. vol. 204; p. 809.
- Railway-gate, Automatic. H. Gormley. No. 1,096,711; May 12; Gaz. vol. 202; p. 557.
- Railway-gate, Automatic. C. Grunow. No. 1,101,922; June 30; Gaz. vol. 203; p. 1407.
- Railway-gate, Automatic. S. Hauer and M. B. Jacobson. No. 1,092,712; Apr. 7; Gaz. vol. 201; p. 202.
- Railway-gate-operating means, Electrical. E. Salisbury. No. 1,101,715; June 30; Gaz. vol. 203; p. 1334.
- Railway-grader. O. C. Mann. No. 1,101,030; June 23; Gaz. vol. 203; p. 1049.
- Railway. Gravity-. F. Glynn. No. 1,085,902; Feb. 3; Gaz. vol. 199; p. 114.
- Railway, High-speed. T. L. Johnson. No. 1,090,213; Mar. 17; Gaz. vol. 200; p. 618.
- Railway-lines, Construction of. K. Trnka. No. 1,085,770; Feb. 3; Gaz. vol. 199; p. 70.
- Railway motor-coach. J. G. P. Thomas. No. 1,106,169; Aug. 4; Gaz. vol. 205; p. 204.
- Railway-motors, Means for automatically stopping. E. F. England. No. 1,115,915; Nov. 3; Gaz. vol. 208; p. 153.
- Railway-odometer. J. K. Stewart. No. 1,114,410; Oct. 20; Gaz. vol. 207; p. 783.
- Railway, Pleasure-. H. A. Lockwood. No. 1,097,452; May 19; Gaz. vol. 202; p. 860.
- Railway points and signals, Controlling. A. Monard. No. 1,101,563; June 30; Gaz. vol. 203; p. 1283.
- Railway-rail. J. B. Baum. No. 1,083,791; Jan. 6; Gaz. vol. 198; p. 175.
- Railway-rail. M. Denis. No. 1,095,460; May 5; Gaz. vol. 202; p. 98.
- Railway-rail. T. H. Elliott. No. 1,089,631; Mar. 10; Gaz. vol. 200; p. 376.
- Railway-rail. J. S. Fox. No. 1,091,323; Mar. 24; Gaz. vol. 200; p. 1029.
- Railway-rail. G. R. Hannon. No. 1,092,646; Apr. 7; Gaz. vol. 201; p. 181.
- Railway-rail. F. O. Hellstrom. No. 1,109,922; Sept. 8; Gaz. vol. 206; p. 419.
- Railway-rail. G. S. Mahn. No. 1,088,288; Feb. 24; Gaz. vol. 199; p. 1084.
- Railway-rail. R. D. Moore. No. 1,084,812; Jan. 20; Gaz. vol. 198; p. 576.
- Railway-rail. A. H. Moore. No. 1,094,342; Apr. 21; Gaz. vol. 201; p. 824.
- Railway-rail. G. M. Peters. No. 1,104,923; July 28; Gaz. vol. 204; p. 1074.
- Railway-rail anchor. A. R. Horn. No. 1,122,757; Dec. 29; Gaz. vol. 209; p. 1499.
- Railway rail and crossing construction. W. H. Whittington. No. 1,100,042; June 16; Gaz. vol. 203; p. 653.
- Railway-rail and joint therefor. G. Sande. No. 1,093,805; Apr. 21; Gaz. vol. 201; p. 647.
- Railway, rail, and supports. J. Jackson. No. 1,122,397; Dec. 29; Gaz. vol. 209; p. 1374.
- Railway-rail anticreeper. P. H. McCooe. No. 1,112,224; Sept. 29; Gaz. vol. 206; p. 1341.
- Railway-rail anticreeper. D. F. Vaughan. No. 1,113,516; Oct. 13; Gaz. vol. 207; p. 430.
- Railway-rail, Anticreeping. E. M. Smith. No. 1,094,606; Apr. 28; Gaz. vol. 201; p. 977.
- Railway-rail brace. C. H. York. No. 1,085,315; Jan. 27; Gaz. vol. 198; p. 785.
- Railway-rail fastener. A. F. and F. C. Eagleston. No. 1,121,338; Dec. 15; Gaz. vol. 209; p. 932.
- Railway-rail gage and guard. G. Komarek and G. R. Schleier. No. 1,096,432; May 12; Gaz. vol. 202; p. 465.
- Railway-rail joint. J. Aho. No. 1,108,541; Aug. 25; Gaz. vol. 205; p. 1175.
- Railway-rail joint. H. C. Fox. No. 1,092,480; Apr. 7; Gaz. vol. 201; p. 124.
- Railway-rail joint. A. F. Golden. No. 1,108,571; Aug. 25; Gaz. vol. 205; p. 1184.
- Railway-rail joint. G. H. Hoelscher. No. 1,087,016; Feb. 10; Gaz. vol. 199; p. 544.
- Railway-rail joint. J. C. Mock. No. 1,121,935; Dec. 22; Gaz. vol. 209; p. 1178.
- Railway-rail joint. P. Mudroch. No. 1,097,347; May 19; Gaz. vol. 202; p. 826.
- Railway-rail joint. D. Rehnert. No. 1,113,578; Oct. 13; Gaz. vol. 207; p. 450.
- Railway-rail joint and tie-plate combined, Boltless. J. L. Milton and J. E. Holland. No. 1,104,694; July 21; Gaz. vol. 204; p. 945.
- Railway-rail joint, Noiseless fork-lock. G. R. Wood. No. 1,097,279; May 19; Gaz. vol. 202; p. 802.
- Railway-rail sleeper and fastener. G. Frankovich. No. 1,113,767; Oct. 13; Gaz. vol. 207; p. 516.
- Railway-rail support and rail-fastener. L. A. Shrader. No. 1,114,543; Oct. 20; Gaz. vol. 207; p. 831.
- Railway-rail-supporting means. A. L. Stevens. No. 1,106,421; Aug. 11; Gaz. vol. 205; p. 332.
- Railway-rail tie. O. H. Mackey. No. 1,110,952; Sept. 15; Gaz. vol. 206; p. 823.
- Railway-rail tie. A. J. Plantz. No. 1,113,825; Oct. 13; Gaz. vol. 207; p. 537.
- Railway-rail tie and rail-fastener. E. N. Harris. No. 1,110,778; Sept. 15; Gaz. vol. 206; p. 761.
- Railway-rail. Trussed. C. S. Clark. No. 1,121,612; Dec. 22; Gaz. vol. 209; p. 1062.
- Railway-rail with joint-support. H. L. Stillman. No. 1,099,948; June 16; Gaz. vol. 203; p. 621.
- Railway-rails, Anticreeper for. D. F. Vaughan. No. 1,099,525; June 9; Gaz. vol. 203; p. 449.
- Railway-rails, Anticreeper for. D. F. and D. L. Vaughan. No. 1,099,524; June 9; Gaz. vol. 203; p. 430.
- Railway-rails, Anticreeper for. W. S. Weston. No. 1,120,258; Dec. 8; Gaz. vol. 209; p. 505.
- Railway-rails, Anticreeping device for. E. B. Powers. No. 1,118,308; Nov. 24; Gaz. vol. 208; p. 1109.
- Railway-rails, Means for securely connecting the meeting ends of two. M. D. Kinsman. No. 1,098,267; May 26; Gaz. vol. 202; p. 1189.
- Railway-rails, Means for supporting. B. F. Wise. No. 1,083,647; Jan. 6; Gaz. vol. 198; p. 128.
- Railway-rails, Means preventing the spreading of. R. C. Rau. No. 1,119,314; Dec. 1; Gaz. vol. 209; p. 142.
- Railway rolling-stock. N. H. Babson. No. 1,101,611; June 30; Gaz. vol. 203; p. 1301.
- Railway rolling-stock. J. H. Kearns. No. 1,085,738; Feb. 3; Gaz. vol. 199; p. 57.
- Railway rolling-stock, Making chafing-blocks for. W. H. Self. No. 1,111,807; Sept. 29; Gaz. vol. 206; p. 1199.
- Railway, Rope. T. Thunhart. No. 1,109,371; Sept. 1; Gaz. vol. 206; p. 184.
- Railway safety and recording device. F. F. Hudson. No. 1,095,868; May 5; Gaz. vol. 202; p. 236.
- Railway safety and signal device. E. Freed. No. 1,114,977; Oct. 27; Gaz. vol. 207; p. 1034.
- Railway safety and signaling device. D. C. Newton. No. 1,092,383; Apr. 7; Gaz. vol. 201; p. 89.
- Railway safety and signaling device. D. C. Newton. No. 1,095,915; May 5; Gaz. vol. 202; p. 251.
- Railway safety appliance. J. L. Hoffman. No. 1,110,326; Sept. 15; Gaz. vol. 206; p. 602.
- Railway safety appliance. S. Jensen. No. 1,094,212; Apr. 21; Gaz. vol. 201; p. 785.
- Railway safety appliance. W. G. Smith. No. 1,093,492; Apr. 14; Gaz. vol. 201; p. 500.
- Railway safety appliance. M. M. Thomas. No. 1,096,766; May 12; Gaz. vol. 202; p. 577.
- Railway safety appliance. C. A. Thorslend. No. 1,105,863; Aug. 4; Gaz. vol. 205; p. 97.
- Railway safety block system. B. Fay. No. 1,112,204; Sept. 29; Gaz. vol. 206; p. 1335.
- Railway safety device. J. Johnson. No. 1,087,773; Feb. 17; Gaz. vol. 199; p. 860.
- Railway safety device. W. J. Meenaghan. No. 1,085,694; Feb. 3; Gaz. vol. 199; p. 40.
- Railway safety guard-rail. L. C. King. No. 1,100,378; June 16; Gaz. vol. 203; p. 771.

Alphabetical list of inventions—Continued.

- Railway screw-spike-driving hand-tool. H. L. Hollis and F. O. Melcher. No. 1,099,442; June 9; Gaz. vol. 203; p. 412.
- Railway-signal. W. G. Anderson and F. F. Coslett. No. 1,112,966; Oct. 6; Gaz. vol. 207; p. 193.
- Railway-signal. C. Aurand. No. 1,092,004; Mar. 31; Gaz. vol. 200; p. 1305.
- Railway-signal. J. B. Casselman. No. 1,116,799; Nov. 10; Gaz. vol. 208; p. 503.
- Railway-signal. J. P. Coleman. No. 1,085,726; Feb. 3; Gaz. vol. 199; p. 52.
- Railway-signal. R. F. Hudson. No. 1,114,477; Oct. 20; Gaz. vol. 207; p. 808.
- Railway-signal. H. S. Williams and L. G. Wilson. No. 1,101,369; June 23; Gaz. vol. 203; p. 1165.
- Railway-signal and relay therefor. Automatic. C. L. Bopp. No. 1,114,428; Oct. 20; Gaz. vol. 207; p. 789.
- Railway signal and switch operating means. P. G. Ter Eyck. No. 1,111,930; Sept. 29; Gaz. vol. 206; p. 1242.
- Railway signal apparatus. G. Jackson, Jr. No. 1,100,243; June 16; Gaz. vol. 203; p. 723.
- Railway-signal. Automatic. A. Zukor. No. 1,097,382; May 19; Gaz. vol. 202; p. 837.
- Railway signal device. L. B. Edgecomb. No. 1,111,014; Sept. 22; Gaz. vol. 206; p. 888.
- Railway-signal. Electric. J. B. Howell. No. 1,090,309; Mar. 17; Gaz. vol. 200; p. 651.
- Railway signal means. Electrically-operated. G. F. Mergell. No. 1,102,779; July 7; Gaz. vol. 204; p. 195.
- Railway-signal-operating mechanism. J. Blackburn. No. 1,090,378; Mar. 17; Gaz. vol. 200; p. 675.
- Railway signal system. Electric. A. Pillich. No. 1,088,363; Feb. 24; Gaz. vol. 199; p. 1109.
- Railway signaling. W. F. Follett. No. 1,117,559; Nov. 17; Gaz. vol. 208; p. 808.
- Railway signaling. F. P. J. Patenall. No. 1,117,899; Nov. 17; Gaz. vol. 208; p. 928.
- Railway signaling. J. B. Struble. No. 1,092,459; Apr. 7; Gaz. vol. 201; p. 116.
- Railway signaling. J. B. Struble. No. 1,092,460; Apr. 7; Gaz. vol. 201; p. 117.
- Railway signaling apparatus. C. J. Coleman. No. 1,089,395; Mar. 10; Gaz. vol. 200; p. 291.
- Railway signaling apparatus. C. J. Coleman. No. 1,101,120; June 23; Gaz. vol. 203; p. 1080.
- Railway signaling apparatus. W. J. Cook. No. 1,090,455; Mar. 17; Gaz. vol. 200; p. 704.
- Railway signaling apparatus. G. Dalén. No. 1,099,118; June 2; Gaz. vol. 203; p. 254.
- Railway signaling apparatus. B. F. Wooding. No. 1,091,102; Mar. 24; Gaz. vol. 200; p. 956.
- Railway signaling apparatus. Automatic. J. P. de Braam. No. 1,111,522; Sept. 22; Gaz. vol. 206; p. 1062.
- Railway signaling device. T. J. Kelly. No. 1,094,217; Apr. 21; Gaz. vol. 201; p. 786.
- Railway signaling device. Automatic. C. L. Bopp. No. 1,114,429; Oct. 20; Gaz. vol. 207; p. 790.
- Railway signaling device. Electric. F. S. Hart. No. 1,120,813; Dec. 15; Gaz. vol. 209; p. 749.
- Railway signaling mechanism. H. A. Hoeschen. No. 1,111,257; Sept. 22; Gaz. vol. 206; p. 971.
- Railway signaling or train control. F. W. Prentice. No. 1,105,923; Aug. 4; Gaz. vol. 205; p. 118.
- Railway signaling system. C. J. Coleman. No. 1,097,080; May 19; Gaz. vol. 202; p. 732.
- Railway signaling system. M. H. Collins. No. 1,090,825; Mar. 17; Gaz. vol. 200; p. 827.
- Railway signaling system. W. J. Cook and S. Deutsch. No. 1,084,610; Jan. 20; Gaz. vol. 198; p. 505.
- Railway signaling system. A. V. T. Day. No. 1,099,283; June 9; Gaz. vol. 203; p. 356.
- Railway signaling system. W. V. Moak. No. 1,102,783; July 7; Gaz. vol. 204; p. 196.
- Railway signaling system. J. B. Struble. No. 1,088,246; Feb. 24; Gaz. vol. 199; p. 1069.
- Railway signaling system. J. D. Taylor. No. 1,084,765; Jan. 20; Gaz. vol. 198; p. 561.
- Railway signaling system. J. C. and L. H. Thullen. No. 1,097,197; May 19; Gaz. vol. 202; p. 772.
- Railway signaling system. L. H. Thullen. No. 1,094,495; Apr. 28; Gaz. vol. 201; p. 939.
- Railway signaling system. L. H. Thullen. No. 1,109,879; Sept. 8; Gaz. vol. 206; p. 401.
- Railway signaling system. L. H. Thullen. No. 1,109,880; Sept. 8; Gaz. vol. 206; p. 402.
- Railway signaling system. L. H. Thullen. No. 1,109,881; Sept. 8; Gaz. vol. 206; p. 402.
- Railway signaling system. Automatic. C. L. Bopp. No. 1,114,427; Oct. 20; Gaz. vol. 207; p. 789.
- Railway signaling system. Electric. A. D. Hughes and T. H. Hertzog. No. 1,098,112; May 26; Gaz. vol. 202; p. 1137.
- Railway signaling system. High-voltage. C. P. Nachod. No. 1,111,851; Sept. 29; Gaz. vol. 206; p. 1215.
- Railway signaling systems. Housed contact for. B. F. Wooding. No. 1,110,978; Sept. 15; Gaz. vol. 206; p. 831.
- Railway signaling. Translating device for. H. D. Patterson. No. 1,121,283; Dec. 15; Gaz. vol. 209; p. 913.
- Railway-sleepers. Machine for grooving. A. Pankl. No. 1,086,209; Feb. 3; Gaz. vol. 199; p. 222.
- Railway-sleepers. Portable machine for grooving. A. Collet. No. 1,088,209; Feb. 24; Gaz. vol. 199; p. 1057.
- Railway-spike. J. H. Annis. No. 1,112,588; Oct. 6; Gaz. vol. 207; p. 64.
- Railway-spike. J. Danculovich. No. 1,108,067; Aug. 18; Gaz. vol. 205; p. 961.
- Railway-spike. A. W. Ehlert. No. 1,102,485; July 7; Gaz. vol. 204; p. 92.
- Railway-spike. G. F. Garrity. No. 1,092,351; Apr. 7; Gaz. vol. 201; p. 79.
- Railway-spike. J. Goich. No. 1,104,884; July 28; Gaz. vol. 204; p. 1060.
- Railway-spike. C. E. Prowell. No. 1,083,559; Jan. 6; Gaz. vol. 198; p. 99.
- Railway-spike. C. D. Russell. No. 1,094,748; Apr. 28; Gaz. vol. 201; p. 1030.
- Railway-spike. H. A. Sommermeyer. No. 1,084,372; Jan. 13; Gaz. vol. 198; p. 399.
- Railway-spike. G. Standfest. No. 1,103,444; July 14; Gaz. vol. 204; p. 470.
- Railway-spike. I. Szydlowski. No. 1,096,403; May 12; Gaz. vol. 202; p. 455.
- Railway-spike. P. Szydlowski. No. 1,099,323; June 9; Gaz. vol. 203; p. 370.
- Railway-spike. L. Wochsler and R. Scherer. No. 1,095,052; Apr. 28; Gaz. vol. 201; p. 1135.
- Railway-spike. Automatic-lock. G. H. Dillon. No. 1,121,076; Dec. 15; Gaz. vol. 209; p. 842.
- Railway-spike lock. F. Dutcher. No. 1,122,373; Dec. 29; Gaz. vol. 209; p. 1366.
- Railway-spike retainer. E. B. Jarvis. No. 1,088,023; Feb. 24; Gaz. vol. 199; p. 994.
- Railway stay-rod. W. R. Payne and W. T. Drummond. No. 1,111,612; Sept. 22; Gaz. vol. 206; p. 1093.
- Railway, Suspended. B. Lindemann. No. 1,106,102; Aug. 4; Gaz. vol. 205; p. 182.
- Railway-switch. W. Berger. No. 1,100,114; June 16; Gaz. vol. 203; p. 679.
- Railway-switch. A. S. Brandock. No. 1,107,402; Aug. 18; Gaz. vol. 205; p. 727.
- Railway-switch. A. M. Calhoun. No. 1,110,997; Sept. 15; Gaz. vol. 206; p. 837.
- Railway-switch. S. A. Craig and B. F. Darbyshire. No. 1,084,730; Jan. 20; Gaz. vol. 198; p. 549.
- Railway-switch. H. Elliot. No. 1,094,889; Apr. 28; Gaz. vol. 201; p. 1078.
- Railway-switch. F. H. Ellis. No. 1,088,134; Feb. 24; Gaz. vol. 199; p. 1032.
- Railway-switch. E. Engle. No. 1,117,010; Nov. 10; Gaz. vol. 208; p. 578.
- Railway-switch. J. Harrison. No. 1,111,653; Sept. 22; Gaz. vol. 206; p. 1108.
- Railway-switch. J. W. Hubbard. No. 1,085,047; Jan. 20; Gaz. vol. 198; p. 654.
- Railway-switch. E. G. Jackson. No. 1,111,902; Sept. 29; Gaz. vol. 206; p. 1234.
- Railway-switch. S. James. No. 1,084,440; Jan. 13; Gaz. vol. 198; p. 420.
- Railway-switch. A. G. Johnson. No. 1,095,639; May 5; Gaz. vol. 202; p. 159.
- Railway-switch. A. Jonas. No. 1,095,115; Apr. 28; Gaz. vol. 201; p. 1155.
- Railway-switch. F. Mientus. No. 1,087,034; Feb. 10; Gaz. vol. 199; p. 549.
- Railway-switch. W. E. Miller. No. 1,097,817; May 26; Gaz. vol. 202; p. 1032.
- Railway-switch. J. Orbik. No. 1,105,996; Aug. 4; Gaz. vol. 205; p. 143.
- Railway-switch. A. V. Scharwenka. No. 1,109,943; Sept. 8; Gaz. vol. 206; p. 426.
- Railway-switch. J. C. Speas. No. 1,094,488; Apr. 28; Gaz. vol. 201; p. 937.
- Railway-switch. R. J. Steele. No. 1,096,469; May 12; Gaz. vol. 202; p. 477.
- Railway-switch. H. Tatum. No. 1,094,268; Apr. 21; Gaz. vol. 201; p. 802.
- Railway-switch. F. Tolbert. No. 1,097,065; May 19; Gaz. vol. 202; p. 726.
- Railway-switch. G. W. Whiteman. No. 1,103,720; July 14; Gaz. vol. 204; p. 569.
- Railway-switch. T. L. Wyatt. No. 1,105,393; July 28; Gaz. vol. 204; p. 1240.
- Railway-switch. Automatic. C. E. Fors and F. W. Lilyard. No. 1,121,820; Dec. 22; Gaz. vol. 209; p. 1136.
- Railway-switch. Automatic. M. K. Marlow. No. 1,099,807; June 9; Gaz. vol. 203; p. 536.
- Railway-switch. Automatic. J. G. Millhouse and A. Ball. No. 1,120,323; Dec. 8; Gaz. vol. 209; p. 528.
- Railway-switch. Automatic. G. D. Snyder. No. 1,112,035; Sept. 29; Gaz. vol. 206; p. 1275.
- Railway-switch blade. M. Grimaldi. No. 1,088,567; Feb. 24; Gaz. vol. 199; p. 1175.
- Railway-switch. Electric. H. A. Jackson. No. 1,102,664; July 7; Gaz. vol. 204; p. 155.
- Railway-switch. Electric. D. W. Johnson. No. 1,101,554; June 30; Gaz. vol. 203; p. 1280.
- Railway-switch lock. Automatic. O. Nell. No. 1,087,046; Feb. 10; Gaz. vol. 199; p. 554.
- Railway-switch mechanism. C. A. Alden. No. 1,099,232; June 9; Gaz. vol. 203; p. 339.

Alphabetical list of inventions—Continued.

- Railway-switch mechanism. M. D. Garner. No. 1,117,997; Nov. 24; Gaz. vol. 208; p. 1002.
- Railway-switch or the like. C. O. Anderson. No. 1,086,500; Feb. 10; Gaz. vol. 199; p. 366.
- Railway-switch or the like. W. A. Austin. No. 1,090,188; Mar. 17; Gaz. vol. 200; p. 609.
- Railway-switch point. A. L. Pipes. No. 1,107,444; Aug. 18; Gaz. vol. 205; p. 743.
- Railway-switch points, Restoring worn. H. Elliot. No. 1,097,404; May 19; Gaz. vol. 202; p. 844.
- Railway-switch, Safety automatic. R. H. French. No. 1,103,577; July 14; Gaz. vol. 204; p. 518.
- Railway-switch safety-lock. A. N. Gifford. No. 1,122,585; Dec. 29; Gaz. vol. 209; p. 1437.
- Railway-switch stand. C. A. Alden. No. 1,099,231; June 9; Gaz. vol. 203; p. 338.
- Railway-switch stand. G. Ashton. No. 1,086,576; Feb. 10; Gaz. vol. 199; p. 395.
- Railway-switch thrower. H. R. Harding. No. 1,099,036; June 2; Gaz. vol. 203; p. 228.
- Railway-switch-throwing mechanism. H. C. Kinsel. No. 1,098,809; June 2; Gaz. vol. 203; p. 153.
- Railway-switch, Trip-operated. J. Wolski. No. 1,122,562; Dec. 29; Gaz. vol. 209; p. 1430.
- Railway switches and crossovers, Templet for drawing. H. W. McAll. No. 1,105,809; Aug. 4; Gaz. vol. 205; p. 78.
- Railway switches and signals, Apparatus for controlling the operation of. C. O. Anderson. No. 1,086,499; Feb. 10; Gaz. vol. 199; p. 366.
- Railway-switches, Spring locking mechanism for. F. H. Ellis. No. 1,088,266; Feb. 24; Gaz. vol. 199; p. 1077.
- Railway system. C. E. Balzer. No. 1,097,160; May 19; Gaz. vol. 202; p. 759.
- Railway system. A. L. W. Begg. No. 1,102,231; July 7; Gaz. vol. 204; p. 4.
- Railway system. E. Castanho. No. 1,112,979; Oct. 6; Gaz. vol. 207; p. 198.
- Railway system, Electric. E. J. Murphy. No. 1,112,548; Oct. 6; Gaz. vol. 207; p. 48.
- Railway systems, Circuit-breaker connection for electric. F. E. Case. No. 1,083,726; Jan. 6; Gaz. vol. 198; p. 156.
- Railway-tie. C. A. Allen. No. 1,092,198; Apr. 7; Gaz. vol. 201; p. 26.
- Railway-tie. T. D. Allen. No. 1,086,262; Feb. 3; Gaz. vol. 199; p. 240.
- Railway-tie. A. Baca. No. 1,092,005; Mar. 31; Gaz. vol. 200; p. 1305.
- Railway-tie. C. Bailey. No. 1,085,841; Feb. 3; Gaz. vol. 199; p. 94.
- Railway-tie. T. H. Beacom. No. 1,086,013; Feb. 3; Gaz. vol. 199; p. 156.
- Railway-tie. S. Berger. No. 1,098,877; June 2; Gaz. vol. 203; p. 176.
- Railway-tie. J. O. Blake. No. 1,105,955; Aug. 4; Gaz. vol. 205; p. 129.
- Railway-tie. B. F. Blessing. No. 1,094,635; Apr. 28; Gaz. vol. 201; p. 989.
- Railway-tie. L. Blessing. No. 1,094,517; Apr. 28; Gaz. vol. 201; p. 946.
- Railway-tie. D. V. Buck. No. 1,097,079; May 19; Gaz. vol. 202; p. 731.
- Railway-tie. I. C. Catton. No. 1,118,909; Nov. 24; Gaz. vol. 208; p. 1317.
- Railway-tie. J. W. Clark, Jr. No. 1,094,641; Apr. 28; Gaz. vol. 201; p. 991.
- Railway-tie. J. W. Clark, Jr. No. 1,105,023; July 28; Gaz. vol. 204; p. 1107.
- Railway-tie. J. D. Clement and N. C. Taylor. No. 1,098,096; May 26; Gaz. vol. 202; p. 1132.
- Railway-tie. F. Clifford. No. 1,087,923; Feb. 24; Gaz. vol. 199; p. 956.
- Railway-tie. B. L. Cornelius. No. 1,123,102; Dec. 29; Gaz. vol. 209; p. 1621.
- Railway-tie. M. T. Crittenden. No. 1,106,283; Aug. 4; Gaz. vol. 205; p. 240.
- Railway-tie. R. A. Crow. No. 1,097,394; May 19; Gaz. vol. 202; p. 841.
- Railway-tie. H. M. Cryder. No. 1,101,063; June 23; Gaz. vol. 203; p. 1061.
- Railway-tie. J. G. and C. C. Dinger and G. C. Schaffer. No. 1,083,667; Jan. 6; Gaz. vol. 198; p. 135.
- Railway-tie. E. Foureman. No. 1,115,464; Oct. 27; Gaz. vol. 207; p. 1203.
- Railway-tie. D. S. Graeff. No. 1,090,978; Mar. 24; Gaz. vol. 200; p. 912.
- Railway-tie. H. Guderjahn. No. 1,089,211; Mar. 3; Gaz. vol. 200; p. 185.
- Railway-tie. L. A. Hamilton. No. 1,107,063; Aug. 11; Gaz. vol. 205; p. 558.
- Railway-tie. G. H. Hardman. No. 1,110,684; Sept. 15; Gaz. vol. 206; p. 730.
- Railway-tie. H. Haring. No. 1,103,764; July 14; Gaz. vol. 204; p. 584.
- Railway-tie. W. P. Hastings. No. 1,093,129; Apr. 14; Gaz. vol. 201; p. 380.
- Railway-tie. J. E. and W. J. Henry. No. 1,111,306; Sept. 22; Gaz. vol. 206; p. 988.
- Railway-tie. C. C. Hettmansperger. No. 1,101,436; June 23; Gaz. vol. 203; p. 1187.
- Railway-tie. T. H. Hoadley. No. 1,116,275; Nov. 3; Gaz. vol. 208; p. 275.
- Railway-tie. H. L. Hollis. No. 1,084,013; Jan. 13; Gaz. vol. 198; p. 279.
- Railway-tie. D. H. Hynds. No. 1,088,904; Mar. 3; Gaz. vol. 200; p. 79.
- Railway-tie. C. W. Israel. No. 1,099,179; June 9; Gaz. vol. 203; p. 320.
- Railway-tie. E. Jarvis. No. 1,094,572; Apr. 28; Gaz. vol. 201; p. 966.
- Railway-tie. N. Kallioinen. No. 1,088,586; Feb. 24; Gaz. vol. 199; p. 1181.
- Railway-tie. A. Kangas. No. 1,112,292; Sept. 29; Gaz. vol. 206; p. 1365.
- Railway-tie. N. M. Kinsey. No. 1,090,723; Mar. 17; Gaz. vol. 200; p. 793.
- Railway-tie. W. Kirkwood. No. 1,118,291; Nov. 24; Gaz. vol. 208; p. 1103.
- Railway-tie. A. Kruger. No. 1,086,328; Feb. 3; Gaz. vol. 199; p. 259.
- Railway-tie. E. C. Lasher. No. 1,122,132; Dec. 22; Gaz. vol. 209; p. 1245.
- Railway-tie. G. M. Laudermilch. No. 1,090,482; Mar. 17; Gaz. vol. 200; p. 713.
- Railway-tie. G. Lessig. No. 1,098,810; June 2; Gaz. vol. 203; p. 153.
- Railway-tie. A. A. Loomis. No. 1,109,001; Sept. 1; Gaz. vol. 206; p. 51.
- Railway-tie. P. J. Madden. No. 1,105,675; Aug. 4; Gaz. vol. 205; p. 31.
- Railway-tie. P. J. Madden. No. 1,121,264; Dec. 15; Gaz. vol. 209; p. 907.
- Railway-tie. O. Mayfield. No. 1,099,809; June 9; Gaz. vol. 203; p. 536.
- Railway-tie. O. P. Megahan. No. 1,096,046; May 12; Gaz. vol. 202; p. 333.
- Railway-tie. O. P. Megahan. No. 1,115,227; Oct. 27; Gaz. vol. 207; p. 1125.
- Railway-tie. O. P. Megahan. No. 1,115,228; Oct. 27; Gaz. vol. 207; p. 1125.
- Railway-tie. O. P. Megahan. No. 1,119,853; Dec. 8; Gaz. vol. 209; p. 362.
- Railway-tie. W. J. Morton. No. 1,097,253; May 19; Gaz. vol. 202; p. 792.
- Railway-tie. W. E. Munslow. No. 1,109,539; Sept. 1; Gaz. vol. 206; p. 239.
- Railway-tie. N. T. Opdahl. No. 1,099,267; June 9; Gaz. vol. 203; p. 350.
- Railway-tie. P. J. Peck. No. 1,087,819; Feb. 17; Gaz. vol. 199; p. 875.
- Railway-tie. C. Peter. No. 1,113,575; Oct. 13; Gaz. vol. 207; p. 449.
- Railway-tie. F. D. Pifer and E. Sorrells. No. 1,101,328; June 23; Gaz. vol. 203; p. 1151.
- Railway-tie. W. V. Polick. No. 1,110,229; Sept. 8; Gaz. vol. 206; p. 528.
- Railway-tie. J. J. Redkey. No. 1,108,396; Aug. 25; Gaz. vol. 205; p. 1124.
- Railway-tie. C. Schaffer. No. 1,107,116; Aug. 11; Gaz. vol. 205; p. 575.
- Railway-tie. R. W. Schulz. No. 1,086,091; Feb. 3; Gaz. vol. 199; p. 184.
- Railway-tie. C. L. Seyler. No. 1,102,693; July 7; Gaz. vol. 204; p. 164.
- Railway-tie. P. Sipchen, G. W. Roemer, and C. Priester. No. 1,117,100; Nov. 10; Gaz. vol. 208; p. 608.
- Railway-tie. H. A. Snow. No. 1,110,465; Sept. 15; Gaz. vol. 206; p. 652.
- Railway-tie. S. S. Snyder. No. 1,107,459; Aug. 18; Gaz. vol. 205; p. 748.
- Railway-tie. T. Spooner. No. 1,114,926; Oct. 27; Gaz. vol. 207; p. 1018.
- Railway-tie. A. Stark. No. 1,097,564; May 19; Gaz. vol. 202; p. 898.
- Railway-tie. W. N. Steuart. No. 1,088,940; Mar. 3; Gaz. vol. 200; p. 92.
- Railway-tie. G. H. Strand. No. 1,106,165; Aug. 4; Gaz. vol. 205; p. 203.
- Railway-tie. F. W. Theal and C. A. Blair. No. 1,112,100; Sept. 29; Gaz. vol. 206; p. 1298.
- Railway-tie. W. P. and S. G. Thomson. No. 1,105,718; Aug. 4; Gaz. vol. 205; p. 47.
- Railway-tie. W. P. and S. G. Thomson. No. 1,105,719; Aug. 4; Gaz. vol. 205; p. 47.
- Railway-tie. W. P. and S. G. Thomson. No. 1,105,720; Aug. 4; Gaz. vol. 205; p. 48.
- Railway-tie. J. F. Tudor. No. 1,098,996; June 2; Gaz. vol. 203; p. 216.
- Railway-tie. I. L. Van Schoiack. No. 1,097,275; May 19; Gaz. vol. 202; p. 801.
- Railway-tie. S. Wall. No. 1,106,482; Aug. 11; Gaz. vol. 205; p. 356.
- Railway-tie. O. L. Weimar. No. 1,087,855; Feb. 17; Gaz. vol. 199; p. 887.
- Railway-tie. C. H. White. No. 1,088,802; Mar. 3; Gaz. vol. 200; p. 44.
- Railway-tie. J. F. White. No. 1,101,602; June 30; Gaz. vol. 203; p. 1297.
- Railway-tie and brace. H. M. Bodine. No. 1,119,232; Dec. 1; Gaz. vol. 209; p. 115.

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- Railway-tie and fastener. J. Byrne. No. 1,092,335; Apr. 7; Gaz. vol. 201; p. 73.
- Railway-tie and fastener. C. L. McCrary. No. 1,083,626; Jan. 6; Gaz. vol. 198; p. 122.
- Railway-tie and fastener. D. McLellan. No. 1,092,069; Mar. 31; Gaz. vol. 200; p. 1325.
- Railway-tie and fastener. H. Watson. No. 1,090,258; Mar. 17; Gaz. vol. 200; p. 634.
- Railway-tie and fastening. R. Schramm. No. 1,085,996; Feb. 3; Gaz. vol. 199; p. 149.
- Railway-tie and fastening device. L. J. Baltz. No. 1,105,319; July 28; Gaz. vol. 204; p. 1212.
- Railway-tie and fastening, Metallic. A. F. Brown. No. 1,115,167; Oct. 27; Gaz. vol. 207; p. 1103.
- Railway-tie and fastening, Metallic. H. Richardson. No. 1,101,661; June 30; Gaz. vol. 203; p. 1317.
- Railway-tie and fastening, Metallic. B. Wolhaupter. No. 1,115,641; Nov. 3; Gaz. vol. 208; p. 59.
- Railway-tie and means for securing a rail to the same, Metallic. G. Taylor. No. 1,113,506; Oct. 13; Gaz. vol. 207; p. 426.
- Railway-tie and rail-chair. G. H. Shane. No. 1,106,415; Aug. 11; Gaz. vol. 205; p. 330.
- Railway-tie and rail-fastener. H. A. Berquist. No. 1,102,857; July 7; Gaz. vol. 204; p. 222.
- Railway-tie and rail-fastener. W. R. Ferris. No. 1,112,368; Sept. 29; Gaz. vol. 206; p. 1392.
- Railway-tie and rail-fastener. A. E. Thompson. No. 1,097,270; May 19; Gaz. vol. 202; p. 799.
- Railway-tie and rail-fastening. J. A. Hyle and J. W. Herman. No. 1,108,370; Aug. 25; Gaz. vol. 205; p. 1114.
- Railway-tie and rail-fastening, Metallic. J. A. Dobbs and R. Krebs, Jr. No. 1,106,636; Aug. 11; Gaz. vol. 205; p. 412.
- Railway-tie, Built-up. A. D. Coster. No. 1,101,412; June 23; Gaz. vol. 203; p. 1179.
- Railway-tie, Composition. A. Giuliani. No. 1,104,258; July 21; Gaz. vol. 204; p. 793.
- Railway-tie, Concrete. R. H. Johnson. No. 1,105,201; July 28; Gaz. vol. 204; p. 1169.
- Railway-tie, Concrete. W. E. Warren. No. 1,123,047; Dec. 29; Gaz. vol. 209; p. 1602.
- Railway-tie, Metal. J. Curtis. No. 1,097,004; May 19; Gaz. vol. 202; p. 702.
- Railway-tie, Metal. W. W. Mechling and J. E. Smith. No. 1,085,057; Jan. 20; Gaz. vol. 198; p. 658.
- Railway-tie, Metal. W. C. Parry. No. 1,118,795; Nov. 24; Gaz. vol. 208; p. 1279.
- Railway-tie, Metallic. W. T. Cody. No. 1,085,725; Feb. 3; Gaz. vol. 199; p. 51.
- Railway-tie, Metallic. L. F. Davoll. No. 1,123,111; Dec. 29; Gaz. vol. 209; p. 1623.
- Railway-tie, Metallic. C. Erickson. No. 1,094,847; Apr. 28; Gaz. vol. 201; p. 1064.
- Railway-tie, Metallic. M. J. Francis and A. Moffett. No. 1,116,261; Nov. 3; Gaz. vol. 208; p. 270.
- Railway-tie, Metallic. F. F. Green. No. 1,110,198; Sept. 8; Gaz. vol. 206; p. 517.
- Railway-tie, Metallic. L. Gruenenfelder. No. 1,083,487; Jan. 6; Gaz. vol. 198; p. 76.
- Railway-tie, Metallic. A. F. Hammerschmidt. No. 1,101,179; June 23; Gaz. vol. 203; p. 1100.
- Railway-tie, Metallic. W. W. Harris. No. 1,101,796; June 30; Gaz. vol. 203; p. 1364.
- Railway-tie, Metallic. W. H. Haws. No. 1,121,832; Dec. 22; Gaz. vol. 209; p. 1141.
- Railway-tie, Metallic. H. Kohlmyer. No. 1,114,890; Oct. 27; Gaz. vol. 207; p. 1003.
- Railway-tie, Metallic. R. Serafin. No. 1,093,013; Apr. 14; Gaz. vol. 201; p. 339.
- Railway-tie, Metallic. W. N. Sewell. No. 1,113,841; Oct. 13; Gaz. vol. 207; p. 543.
- Railway-tie, Metallic. E. C. Shaw. No. 1,091,088; Mar. 24; Gaz. vol. 200; p. 951.
- Railway-tie, Metallic. E. E. Slick. No. 1,088,106; Feb. 24; Gaz. vol. 199; p. 1022.
- Railway-tie, Metallic. F. L. Wright. No. 1,117,471; Nov. 17; Gaz. vol. 208; p. 779.
- Railway-tie plate. W. Corcoran. No. 1,097,790; May 26; Gaz. vol. 202; p. 1024.
- Railway-tie plate. S. Downs. No. 1,083,599; Jan. 6; Gaz. vol. 198; p. 112.
- Railway-tie, Safety metallic. C. L. Hofman and W. E. Stoner. No. 1,114,357; Oct. 20; Gaz. vol. 207; p. 763.
- Railway-tie timber against injury from splitting and decay, Preserving. W. E. Williams. No. 1,093,230; Apr. 14; Gaz. vol. 201; p. 415.
- Railway-tie with cushions. W. C. Benson. No. 1,093,308; Apr. 14; Gaz. vol. 201; p. 443.
- Railway-ties, Machine for making. J. W. Beck, J. W. Reid, and R. W. Skinner. No. 1,093,680; Apr. 21; Gaz. vol. 201; p. 607.
- Railway-track. L. Brewster. No. 1,085,015; Jan. 20; Gaz. vol. 198; p. 644.
- Railway-track. J. M. Wilson. No. 1,118,251; Nov. 24; Gaz. vol. 208; p. 1089.
- Railway-track construction. M. Bartley. No. 1,101,985; June 30; Gaz. vol. 203; p. 1430.
- Railway-track construction. M. Bartley. No. 1,107,018; Aug. 11; Gaz. vol. 205; p. 542.
- Railway-track construction. A. Bender. No. 1,095,072; Apr. 28; Gaz. vol. 201; p. 1141.
- Railway-track construction. W. H. Morgan. No. 1,119,626; Dec. 1; Gaz. vol. 209; p. 250.
- Railway-track construction. J. W. Stephenson. No. 1,093,153; Apr. 14; Gaz. vol. 201; p. 389.
- Railway-track construction. J. W. Stephenson. No. 1,122,043; Dec. 22; Gaz. vol. 209; p. 1216.
- Railway-track construction in paved streets. T. H. Tutwiler. No. 1,121,421; Dec. 15; Gaz. vol. 209; p. 960.
- Railway-track-fastening device. J. Lundie. No. 1,100,838; June 23; Gaz. vol. 203; p. 981.
- Railway-track structure. W. C. Huebner. No. 1,096,628; May 12; Gaz. vol. 202; p. 530.
- Railway-track structure. H. Kohlmyer. No. 1,085,211; Jan. 27; Gaz. vol. 198; p. 747.
- Railway-track switch. J. Vasko. No. 1,095,301; May 5; Gaz. vol. 202; p. 44.
- Railway-track switch, Industrial. H. Hughes, A. Ferguson, and H. L. Lowe. No. 1,114,883; Oct. 27; Gaz. vol. 207; p. 1001.
- Railway-track-tamping machine. N. Talarico. No. 1,091,984; Mar. 31; Gaz. vol. 200; p. 1299.
- Railway-tracks and applying ballast thereto, Machine for raising and lowering. W. F. Sparks. No. 1,083,302; Jan. 6; Gaz. vol. 198; p. 15.
- Railway-tracks, Rail-drain for. W. Fiken. No. 1,111,889; Sept. 29; Gaz. vol. 206; p. 1230.
- Railway-tracks, System of plates of reinforced concrete for improving and solidifying. G. V. Liébeaux. No. 1,099,656; June 9; Gaz. vol. 203; p. 484.
- Railway-traffic-controlling apparatus. W. F. Follett. No. 1,101,068; June 23; Gaz. vol. 203; p. 1062.
- Railway-traffic-controlling apparatus. B. F. Oler. No. 1,101,036; June 23; Gaz. vol. 203; p. 1052.
- Railway-traffic-controlling apparatus. B. F. Oler. No. 1,116,520; Nov. 3; Gaz. vol. 208; p. 289.
- Railway-traffic-controlling apparatus. W. H. Reichard. No. 1,099,469; June 9; Gaz. vol. 203; p. 421.
- Railway-traffic-controlling apparatus. G. R. Scattergood and H. A. Wallace. No. 1,101,039; June 23; Gaz. vol. 203; p. 1053.
- Railway-traffic-controlling apparatus. G. R. Scattergood and H. A. Wallace. No. 1,101,040; June 23; Gaz. vol. 203; p. 1054.
- Railway-traffic-controlling apparatus. R. P. Tuttle. No. 1,086,957; Feb. 10; Gaz. vol. 199; p. 526.
- Railway-traffic-controlling system. C. J. Coleman. No. 1,114,118; Oct. 20; Gaz. vol. 207; p. 678.
- Railway-traffic-controlling system. A. V. T. Day. No. 1,119,249; Dec. 1; Gaz. vol. 209; p. 120.
- Railway-traffic-operating system. J. W. Kammer. No. 1,121,254; Dec. 15; Gaz. vol. 209; p. 903.
- Railway train-pipes, Means for supporting. I. S. Downing. No. 1,120,607; Dec. 8; Gaz. vol. 209; p. 630.
- Railway train-shed. A. L. Bush. No. 1,101,783; June 30; Gaz. vol. 203; p. 1358.
- Railway-train stop. R. Cecchini. No. 1,118,890; Nov. 24; Gaz. vol. 208; p. 1311.
- Railway-trains, Air and electric coupler for. B. C. Nelson. No. 1,118,571; Nov. 24; Gaz. vol. 208; p. 1204.
- Railway-trains, Apparatus for controlling the speed of. H. J. Warthen. No. 1,090,361; Mar. 17; Gaz. vol. 200; p. 669.
- Railway-trains, Automatic speed control for. C. L. Bopp. No. 1,114,434; Oct. 20; Gaz. vol. 207; p. 792.
- Railway-trains, Automatic stop for. B. Monterastelli. No. 1,103,368; July 14; Gaz. vol. 204; p. 445.
- Railway-trains, Automatic stop for. F. J. Schneider and F. W. Bauer. No. 1,086,087; Feb. 3; Gaz. vol. 199; p. 183.
- Railway-trains, Device for controlling the speed of. H. J. Warthen. No. 1,090,807; Mar. 17; Gaz. vol. 200; p. 821.
- Railway-trains, Electric generating device for. J. Venge. No. 1,089,995; Mar. 10; Gaz. vol. 200; p. 501.
- Railway-trains, Safety appliance for. C. E. Baumer and J. Correy. No. 1,113,292; Oct. 13; Gaz. vol. 207; p. 349.
- Railway-trains, System for controlling the operation of. H. J. Warthen. No. 1,090,358; Mar. 17; Gaz. vol. 200; p. 667.
- Railway-trestle. P. A. Teters. No. 1,120,564; Dec. 8; Gaz. vol. 209; p. 614.
- Railway trolley, Electric. J. A. Walsh. No. 1,098,698; June 2; Gaz. vol. 203; p. 117.
- Railway turn-table. A. Meikle. No. 1,122,144; Dec. 22; Gaz. vol. 209; p. 1249.
- Railway-vehicle. N. W. Storer. No. 1,087,053; Feb. 10; Gaz. vol. 199; p. 556.
- Railway vehicle and track adaptable to change of gage. J. H. Newton. No. 1,108,467; Aug. 25; Gaz. vol. 205; p. 1147.
- Railway-vehicle magnet and roadway therefor. A. H. Fox. No. 1,088,814; Mar. 3; Gaz. vol. 200; p. 47.
- Railway-vehicles, Buffer-coupling for. E. Ullmann. No. 1,091,547; Mar. 31; Gaz. vol. 200; p. 1148.

Alphabetical list of inventions—Continued.

- Railway-vehicles, Controlling device for. C. König. No. 1,109,534; Sept. 1; Gaz. vol. 206; p. 237.
- Railway-wheel. E. Stancliff. No. 1,117,271; Nov. 17; Gaz. vol. 208; p. 708.
- Railway without traction-cable, Suspension-. G. M. Von Hassel. No. 1,122,000; Dec. 22; Gaz. vol. 209; p. 1200.
- Railways, Apparatus for actuating conduit-covers and collector-plows of. D. D. Samaia. No. 1,087,322; Feb. 17; Gaz. vol. 199; p. 702.
- Railways, Automatic block-signaling system for electric. O. E. Stevens. No. 1,094,103; Apr. 21; Gaz. vol. 201; p. 748.
- Railways, Automatic block-signaling system for electric. O. E. Stevens. No. 1,094,104; Apr. 21; Gaz. vol. 201; p. 748.
- Railways, Automatic stop for. A. Zukor. No. 1,106,910; Aug. 11; Gaz. vol. 205; p. 507.
- Railways, Circuit-closer for electric. A. W. Barnhart. No. 1,120,586; Dec. 8; Gaz. vol. 209; p. 622.
- Railways, Conduit and car for pneumatic. R. G. Collins, Jr. No. 1,120,133; Dec. 8; Gaz. vol. 209; p. 460.
- Railways, Conduit contact-plow for electric. J. S. McWhirter. No. 1,097,250; May 19; Gaz. vol. 202; p. 791.
- Railways, Electric traffic-controlling system for. W. H. Lane and A. V. T. Day. No. 1,099,259; June 9; Gaz. vol. 203; p. 348.
- Railways, Electrical coupling of signal-arms for. A. Oesterreicher. No. 1,113,819; Oct. 13; Gaz. vol. 207; p. 535.
- Railways, Haulage-clip for rope-haulage. E. G. Arnold and A. O. Atkin. No. 1,086,264; Feb. 3; Gaz. vol. 199; p. 240.
- Railways, Overhead contact-shoe for electric. G. Gibbs and E. R. Hill. No. 1,100,014; June 16; Gaz. vol. 203; p. 644.
- Railways, Safety third rail for electric. W. H. Parnell, Jr. No. 1,113,680; Oct. 13; Gaz. vol. 207; p. 484.
- Railways, System of automatic block-signaling for electric. F. Townsend. No. 1,113,561; Oct. 13; Gaz. vol. 207; p. 428.
- Railways, System of automatic block-signaling for electric. S. M. Young. No. 1,094,356; Apr. 21; Gaz. vol. 201; p. 829.
- Railways, tramways, and the like, Apparatus for operating the points of. H. A. Thomson. No. 1,089,987; Mar. 10; Gaz. vol. 200; p. 498.
- Railways, Trolley for electric signals for. H. J. Warthen. No. 1,090,363; Mar. 17; Gaz. vol. 200; p. 669.
- Rain, Apparatus for catching falling. H. A. Beard. No. 1,118,259; Nov. 24; Gaz. vol. 208; p. 1092.
- Rain-maker. J. M. Cordray. No. 1,103,490; July 14; Gaz. vol. 204; p. 486.
- Rain-signal. J. A. Roby. No. 1,123,012; Dec. 29; Gaz. vol. 209; p. 1590.
- Raisin-seeding machine. N. B. Converse. No. 1,095,553; May 5; Gaz. vol. 202; p. 131.
- Raising and lowering mechanism. G. E. Rellay. No. 1,103,839; July 14; Gaz. vol. 204; p. 609.
- Raising sunken objects, Apparatus for. A. von Reichelt. No. 1,120,743; Dec. 15; Gaz. vol. 209; p. 724.
- Rake: See Berry-rake; Drag-rake; Hand-rake; Hay-rake; Lawn-rake; Self-cleaning rake; Side-delivery rotary rake; Sweep-rake.
- Rake. H. D. Alexander. No. 1,096,842; May 12; Gaz. vol. 202; p. 436.
- Rake. F. J. Argast. No. 1,113,084; Oct. 6; Gaz. vol. 207; p. 231.
- Rake. J. W. Benson and D. H. Riggs. No. 1,088,199; Feb. 24; Gaz. vol. 199; p. 1054.
- Rake. C. G. Bradford. No. 1,088,767; Mar. 3; Gaz. vol. 200; p. 32.
- Rake. A. R. Conklin. No. 1,113,412; Oct. 13; Gaz. vol. 207; p. 392.
- Rake. E. G. Cronk. No. 1,118,396; Nov. 24; Gaz. vol. 208; p. 1141.
- Rake. E. G. Cronk. No. 1,118,397; Nov. 24; Gaz. vol. 208; p. 1141.
- Rake. R. C. Erwin. No. 1,089,542; Mar. 10; Gaz. vol. 200; p. 346.
- Rake. O. K. Gura. No. 1,118,548; Nov. 24; Gaz. vol. 208; p. 1196.
- Rake. E. W. Keller. No. 1,097,028; May 19; Gaz. vol. 202; p. 712.
- Rake. H. T. Kingsbury. No. 1,100,574; June 16; Gaz. vol. 203; p. 836.
- Rake. J. N. Ovens. No. 1,100,323; June 16; Gaz. vol. 203; p. 752.
- Rake. U. Reidt. No. 1,116,121; Nov. 3; Gaz. vol. 208; p. 225.
- Rake. H. W. Ruch. No. 1,113,488; Oct. 13; Gaz. vol. 207; p. 420.
- Rake. R. Thomas. No. 1,117,108; Nov. 10; Gaz. vol. 208; p. 610.
- Rake. L. E. Waterman. No. 1,104,749; July 21; Gaz. vol. 204; p. 964.
- Rake. W. J. Webster. No. 1,099,954; June 16; Gaz. vol. 203; p. 623.
- Rake and hoe. H. Milleman. No. 1,105,815; Aug. 4; Gaz. vol. 205; p. 80.
- Rake and stalk-cutter, Combined. S. G. Spencer. No. 1,105,006; July 28; Gaz. vol. 204; p. 1101.
- Rake attachment. L. C. Glover. No. 1,112,787; Oct. 6; Gaz. vol. 207; p. 132.
- Rake attachment. A. L. Rumrill. No. 1,108,624; Aug. 25; Gaz. vol. 205; p. 1202.
- Rake-cleaner. F. B. Boosveld. No. 1,092,011; Mar. 31; Gaz. vol. 200; p. 1307.
- Rake-cleaner. T. H. Cloke and L. J. Shearer. No. 1,107,035; Aug. 11; Gaz. vol. 205; p. 548.
- Rake-cleaner. C. Cordes. No. 1,092,024; Mar. 31; Gaz. vol. 200; p. 1311.
- Rake-cleaner. J. Coyle. No. 1,111,297; Sept. 22; Gaz. vol. 206; p. 985.
- Rake-cleaner. A. Hallaway. No. 1,099,247; June 9; Gaz. vol. 203; p. 344.
- Rake-cleaner. G. C. Hennes. No. 1,093,410; Apr. 14; Gaz. vol. 201; p. 476.
- Rake-cleaner. C. E. McCormick. No. 1,112,308; Sept. 29; Gaz. vol. 206; p. 1371.
- Rake-cleaner. G. A. Sebelius. No. 1,113,059; Oct. 6; Gaz. vol. 207; p. 223.
- Rake-cleaner. G. D. Van Zandt. No. 1,084,982; Jan. 20; Gaz. vol. 198; p. 632.
- Rake-cleaner. H. Welch. No. 1,099,001; June 2; Gaz. vol. 203; p. 218.
- Rake, grader, and snow-scraper, Combined. T. Civita and R. C. Leghorn. No. 1,093,535; Apr. 14; Gaz. vol. 201; p. 514.
- Rake tooth, Hay-. H. Torgersen. No. 1,104,020; July 21; Gaz. vol. 204; p. 712.
- Rakes, Automatic hay-ejector for sweep-. B. F. and J. W. Lewis. No. 1,093,444; Apr. 14; Gaz. vol. 201; p. 486.
- Raker-tooth swager. R. J. Brough. No. 1,091,801; Mar. 31; Gaz. vol. 200; p. 1237.
- Ram, Hydraulic. E. Guerrero. No. 1,098,720; June 2; Gaz. vol. 203; p. 124.
- Ram, Hydraulic. J. E. Lester. No. 1,102,217; June 30; Gaz. vol. 203; p. 1514.
- Rand-shaping machine. E. A. Tripp. No. 1,115,037; Oct. 27; Gaz. vol. 207; p. 1056.
- Range. H. E. Janes. No. 1,117,132; Nov. 10; Gaz. vol. 208; p. 619.
- Range. J. F. Stapleton. No. 1,121,775; Dec. 22; Gaz. vol. 209; p. 1120.
- Range. E. W. Vest. No. 1,121,152; Dec. 15; Gaz. vol. 209; p. 870.
- Range and deflection transmitter. E. Friedrich. No. 1,116,407; Nov. 10; Gaz. vol. 208; p. 361.
- Range burner, Gas-. E. S. Allen. No. 1,087,344; Feb. 17; Gaz. vol. 199; p. 710.
- Range, Combined solid-fuel and gas. C. H. Miller. No. 1,090,163; Mar. 17; Gaz. vol. 200; p. 600.
- Range, Domestic. J. A. Lansing. No. 1,121,640; Dec. 22; Gaz. vol. 209; p. 1073.
- Range-finder for small-arms. G. R. Guild. No. 1,117,999; Nov. 24; Gaz. vol. 208; p. 1103.
- Range, Gas-. B. A. Baxter. No. 1,118,622; Nov. 24; Gaz. vol. 208; p. 1222.
- Range, Gas-. H. W. Lawrence. No. 1,098,272; May 26; Gaz. vol. 202; p. 1192.
- Range, Gas-. J. Roy. No. 1,104,224; July 21; Gaz. vol. 204; p. 782.
- Range, Hotel-. B. P. Pollock. No. 1,086,849; Feb. 10; Gaz. vol. 199; p. 490.
- Range, Steel. G. E. Pickup. No. 1,110,341; Sept. 15; Gaz. vol. 206; p. 608.
- Range, Take-down cook-. G. N. Frazer. No. 1,097,417; May 19; Gaz. vol. 202; p. 848.
- Ranges, Hot-water tank for. W. V. Robinson. No. 1,087,984; Feb. 24; Gaz. vol. 199; p. 980.
- Ranges, Piping for gas-. H. C. Maul. No. 1,088,789; Mar. 3; Gaz. vol. 200; p. 40.
- Ranges, &c., Water-heater for. E. W. Vest. No. 1,121,693; Dec. 22; Gaz. vol. 209; p. 1092.
- Ranges, Water-heater for gas-. R. G. Whitehead. No. 1,107,565; Aug. 18; Gaz. vol. 205; p. 785.
- Rasp, Power-driven. G. Hagen. No. 1,116,058; Nov. 3; Gaz. vol. 208; p. 202.
- Rasp, Wood-. J. M. Densmore. No. 1,100,544; June 16; Gaz. vol. 203; p. 826.
- Rat-extermiator, Electric. J. W. M. Carmichael. No. 1,110,186; Sept. 8; Gaz. vol. 206; p. 514.
- Rat or animal trap. J. Fritsch. No. 1,093,691; Apr. 21; Gaz. vol. 201; p. 612.
- Rat-trap. J. A. Beverly. No. 1,105,874; Aug. 4; Gaz. vol. 205; p. 101.
- Rat-trap. A. Csizmar. No. 1,120,451; Dec. 8; Gaz. vol. 209; p. 574.
- Rat-trap. R. B. James and E. B. Crump. No. 1,097,642; May 26; Gaz. vol. 202; p. 969.
- Rat-trap. G. Matson. No. 1,122,291; Dec. 29; Gaz. vol. 209; p. 1339.
- Rat-trap. M. J. Nunes. No. 1,086,610; Feb. 10; Gaz. vol. 199; p. 406.
- Rat-trap. A. R. Peterson. No. 1,110,006; Sept. 8; Gaz. vol. 206; p. 448.
- Rat-trap. L. Pezzolo. No. 1,096,387; May 12; Gaz. vol. 202; p. 449.
- Rat-trap. E. L. Segerlund. No. 1,084,493; Jan. 13; Gaz. vol. 198; p. 436.

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- Rat-trap, Electric. C. W. N. Palmer. No. 1,112,228; Sept. 29; Gaz. vol. 206; p. 1343.
- Ratchet-brace. E. M. Graham. No. 1,100,070; June 16; Gaz. vol. 203; p. 663.
- Ratchet device. O. N. Garr. No. 1,098,434; June 2; Gaz. vol. 203; p. 27.
- Ratchet device. M. Kapferer. No. 1,121,507; Dec. 15; Gaz. vol. 209; p. 990.
- Ratchet-drill. T. J. Fegley and G. O. Leopold. No. 1,094,205; Apr. 21; Gaz. vol. 201; p. 782.
- Ratchet mechanism. A. H. Adams. No. 1,104,464; July 21; Gaz. vol. 204; p. 865.
- Ratchet mechanism. C. H. Julian. No. 1,121,634; Dec. 22; Gaz. vol. 209; p. 1071.
- Ratchet mechanism. J. B. Smythe. No. 1,090,578; Mar. 17; Gaz. vol. 200; p. 746.
- Ratchet tripod-leg. C. S. Lawrence. No. 1,093,866; Apr. 21; Gaz. vol. 201; p. 668.
- Ratchet-wheel and the like. E. E. Harris. No. 1,104,666; July 21; Gaz. vol. 204; p. 936.
- Ratchet-wrench. W. S. Bellows. No. 1,116,548; Nov. 10; Gaz. vol. 208; p. 413.
- Ratchet-wrench. J. Dolan. No. 1,087,736; Feb. 17; Gaz. vol. 199; p. 849.
- Ratchet-wrench. T. Finn. No. 1,086,907; Feb. 10; Gaz. vol. 199; p. 509.
- Ratchet-wrench. T. B. Harlan. No. 1,115,532; Nov. 3; Gaz. vol. 208; p. 23.
- Ratchet-wrench. H. C. Lawson. No. 1,119,292; Dec. 1; Gaz. vol. 209; p. 135.
- Ratchet-wrench. E. H. Rose. No. 1,099,572; June 9; Gaz. vol. 203; p. 457.
- Ratchet-wrench. J. R. Shriver. No. 1,105,854; Aug. 4; Gaz. vol. 205; p. 94.
- Ratchet-wrench. A. Vacarezza. No. 1,119,900; Dec. 8; Gaz. vol. 209; p. 380.
- Ratchet-wrench. G. K. Wright. No. 1,089,737; Mar. 10; Gaz. vol. 200; p. 412.
- Ratchet-wrench, Socket. E. F. Camus. No. 1,106,545; Aug. 11; Gaz. vol. 205; p. 379.
- Rate controller, Flat. F. Kraemer. No. 1,101,495; June 23; Gaz. vol. 203; p. 1209.
- Rattling-machine. J. Michitsch. No. 1,085,928; Feb. 3; Gaz. vol. 199; p. 124.
- Rawhide and the product resulting therefrom, Treating. A. H. Henderson. No. 1,094,853; Apr. 28; Gaz. vol. 201; p. 1066.
- Rawhide, Use of. P. Schmitz. No. 1,108,402; Aug. 25; Gaz. vol. 205; p. 1125.
- Razor. S. W. Charles. No. 1,105,756; Aug. 4; Gaz. vol. 205; p. 60.
- Razor. C. F. Ern. No. 1,092,829; Apr. 14; Gaz. vol. 201; p. 277.
- Razor. C. F. Ern, Jr. No. 1,107,662; Aug. 18; Gaz. vol. 205; p. 821.
- Razor. H. J. Gaisman. No. 1,088,220; Feb. 24; Gaz. vol. 199; p. 1061.
- Razor. J. Kaufman. No. 1,091,436; Mar. 24; Gaz. vol. 200; p. 1066.
- Razor. H. O. Michael. No. 1,086,388; Feb. 10; Gaz. vol. 199; p. 326.
- Razor. T. C. Sheehan. No. 1,088,183; Feb. 24; Gaz. vol. 199; p. 1048.
- Razor. P. Sherman. No. 1,117,262; Nov. 17; Gaz. vol. 208; p. 704.
- Razor and stropper, Combined. R. A. Wittl. No. 1,090,823; Mar. 17; Gaz. vol. 200; p. 826.
- Razor attachment. J. W. Foley. No. 1,108,839; Aug. 25; Gaz. vol. 205; p. 1276.
- Razor-blade holder. F. L. Humeston. No. 1,090,398; Mar. 17; Gaz. vol. 200; p. 683.
- Razor-blade holder. M. Welsh and I. Paul. No. 1,120,350; Dec. 8; Gaz. vol. 209; p. 538.
- Razor-blade holder for stropping purposes, Safety-. E. B. White. No. 1,084,682; Jan. 20; Gaz. vol. 198; p. 531.
- Razor-blade holder, Safety-. R. E. Brown. No. 1,120,442; Dec. 8; Gaz. vol. 209; p. 571.
- Razor-blade holder, Safety-. R. Marx. No. 1,103,977; July 21; Gaz. vol. 204; p. 698.
- Razor-blade holder, Safety-. W. J. Myatt. No. 1,087,544; Feb. 17; Gaz. vol. 199; p. 780.
- Razor-blade holder, Safety-. A. E. Wilde. No. 1,113,851; Oct. 13; Gaz. vol. 207; p. 546.
- Razor-blade-locking means, Safety-. R. Kampfe. No. 1,093,189; Apr. 14; Gaz. vol. 201; p. 401.
- Razor-blade stropper. F. D. Jones. No. 1,083,447; Jan. 6; Gaz. vol. 198; p. 63.
- Razor-blade stropping and honing machine. E. Jacobs. No. 1,090,986; Mar. 24; Gaz. vol. 200; p. 914.
- Razor-blade-stropping device, Safety-. A. C. Stover. No. 1,086,239; Feb. 3; Gaz. vol. 199; p. 232.
- Razor blades, Honing-support for safety-. F. A. Nelder. No. 1,103,427; July 14; Gaz. vol. 204; p. 464.
- Razor-cleaning attachment for barbers' chairs. A. Bongiovanni. No. 1,089,311; Mar. 3; Gaz. vol. 200; p. 217.
- Razor-cleaning attachment for barbers' chairs. A. Bongiovanni. No. 1,095,448; May 5; Gaz. vol. 202; p. 93.
- Razor, Combination-. V. T. Miller. No. 1,111,164; Sept. 22; Gaz. vol. 206; p. 940.
- Razor-handle. L. Stouffer. No. 1,084,238; Jan. 13; Gaz. vol. 198; p. 357.
- Razor-hones, Bath for. J. E. Clark. No. 1,092,023; Mar. 31; Gaz. vol. 200; p. 1311.
- Razor-honing device. A. Lo Casto. No. 1,091,939; Mar. 31; Gaz. vol. 200; p. 1284.
- Razor, Safety-. G. L. Bonham. No. 1,093,102; Apr. 14; Gaz. vol. 201; p. 370.
- Razor, Safety-. E. J. Boyler. No. 1,088,873; Mar. 3; Gaz. vol. 200; p. 69.
- Razor, Safety-. A. Cameron. No. 1,094,874; Apr. 28; Gaz. vol. 201; p. 1073.
- Razor, Safety-. H. Coyne. No. 1,094,127; Apr. 21; Gaz. vol. 201; p. 755.
- Razor, Safety-. H. F. Crandall. No. 1,117,953; Nov. 17; Gaz. vol. 208; p. 946.
- Razor, Safety-. H. J. Gaisman. No. 1,121,914; Dec. 22; Gaz. vol. 209; p. 1170.
- Razor, Safety-. H. J. Gaisman. No. 1,121,915; Dec. 22; Gaz. vol. 209; p. 1170.
- Razor, Safety-. H. J. Gaisman. No. 1,121,916; Dec. 22; Gaz. vol. 209; p. 1170.
- Razor, Safety-. K. C. Gillette. No. 1,111,721; Sept. 22; Gaz. vol. 206; p. 1132.
- Razor, Safety-. L. Heuser. No. 1,092,363; Apr. 7; Gaz. vol. 201; p. 83.
- Razor, Safety-. F. D. Jones. No. 1,109,336; Sept. 1; Gaz. vol. 206; p. 170.
- Razor, Safety-. G. M. Kaiser. No. 1,087,778; Feb. 17; Gaz. vol. 199; p. 862.
- Razor, Safety-. L. Kalina. No. 1,088,674; Feb. 24; Gaz. vol. 199; p. 1211.
- Razor, Safety-. S. Kitzes. No. 1,089,228; Mar. 3; Gaz. vol. 200; p. 191.
- Razor, Safety-. J. E. Knapp. No. 1,092,367; Apr. 7; Gaz. vol. 201; p. 84.
- Razor, Safety-. W. E. Lawson. No. 1,116,448; Nov. 10; Gaz. vol. 208; p. 375.
- Razor, Safety-. E. L. McCain. No. 1,103,904; July 14; Gaz. vol. 204; p. 631.
- Razor, Safety-. T. E. McDermott. No. 1,107,538; Aug. 18; Gaz. vol. 205; p. 775.
- Razor, Safety-. W. E. O'Reilly. No. 1,113,475; Oct. 13; Gaz. vol. 207; p. 415.
- Razor, Safety-. R. Rabas. No. 1,091,018; Mar. 24; Gaz. vol. 200; p. 927.
- Razor, Safety-. D. Schaefer. No. 1,119,122; Dec. 1; Gaz. vol. 209; p. 78.
- Razor, Safety-. M. C. Sharpnack. No. 1,089,726; Mar. 10; Gaz. vol. 200; p. 408.
- Razor, Safety-. M. C. Sharpnack. No. 1,089,727; Mar. 10; Gaz. vol. 200; p. 409.
- Razor, Safety-. L. H. Stephenson. No. 1,116,750; Nov. 10; Gaz. vol. 208; p. 485.
- Razor, Safety-. J. P. Stevens. No. 1,104,570; July 21; Gaz. vol. 204; p. 905.
- Razor, Safety-. C. Twining. No. 1,119,327; Dec. 1; Gaz. vol. 209; p. 147.
- Razor, Safety-. F. Windham. No. 1,104,857; July 28; Gaz. vol. 204; p. 1051.
- Razor safety-guard. L. W. Farquhar. No. 1,089,753; Mar. 10; Gaz. vol. 200; p. 419.
- Razor sets, Holder for safety-. R. Kampfe. No. 1,096,541; May 12; Gaz. vol. 202; p. 501.
- Razor-strop. F. J. Tomek. No. 1,111,873; Sept. 29; Gaz. vol. 206; p. 1223.
- Razor-stropper. T. Bumann. No. 1,113,407; Oct. 13; Gaz. vol. 207; p. 391.
- Razor-stropper. A. F. Jenkins. No. 1,115,824; Nov. 3; Gaz. vol. 208; p. 120.
- Razor-stropper. G. F. Keene. No. 1,090,861; Mar. 24; Gaz. vol. 200; p. 871.
- Razor-stropper. C. F. Lefever. No. 1,095,218; May 5; Gaz. vol. 202; p. 16.
- Razor-stropping device. S. W. Charles. No. 1,088,322; Feb. 24; Gaz. vol. 199; p. 1095.
- Razor-stropping device. J. Paczigar. No. 1,114,908; Oct. 27; Gaz. vol. 207; p. 1010.
- Razor-stropping device, Safety-. P. Catucci. No. 1,084,694; Jan. 20; Gaz. vol. 198; p. 537.
- Razor-stropping machine. I. Buchler. No. 1,096,998; May 19; Gaz. vol. 202; p. 701.
- Razor-stropping machine. P. Catucci. No. 1,100,353; June 16; Gaz. vol. 203; p. 762.
- Razor-stropping machine. J. H. Clauss. No. 1,083,665; Jan. 6; Gaz. vol. 198; p. 134.
- Razor-stropping machine. A. E. Ellis. No. 1,120,042; Dec. 8; Gaz. vol. 209; p. 429.
- Razor-stropping machine. E. B. Gifford. No. 1,089,832; Mar. 10; Gaz. vol. 200; p. 445.
- Razor-stropping machine. S. Kanner. No. 1,097,027; Mar. 19; Gaz. vol. 202; p. 711.
- Razor-stropping machine. D. Tompkins. No. 1,087,411; Feb. 17; Gaz. vol. 199; p. 733.
- Reading device. F. D. Woodlock. No. 1,115,144; Oct. 27; Gaz. vol. 207; p. 1094.
- Reamer. W. T. Charles. No. 1,109,321; Sept. 1; Gaz. vol. 206; p. 165.
- Reamer. J. F. Herman. No. 1,107,304; Aug. 18; Gaz. vol. 205; p. 691.

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- Reamer. A. McArthur and W. Percy. No. 1,111,396; Sept. 22; Gaz. vol. 206; p. 1019.
- Reamer. W. L. Santmyers and R. L. Hepner. No. 1,110,273; Sept. 8; Gaz. vol. 206; p. 544.
- Reamer. B. H. Schaff. No. 1,101,471; June 23; Gaz. vol. 203; p. 1200.
- Reamer. W. L. Schoengarth and E. Senstrom. No. 1,122,315; Dec. 29; Gaz. vol. 209; p. 1347.
- Reamer. H. T. Taylor. No. 1,113,067; Oct. 6; Gaz. vol. 207; p. 226.
- Reamer, Adjustable. S. A. Fox. No. 1,117,946; Nov. 17; Gaz. vol. 208; p. 944.
- Reamer, Adjustable. W. Pincin. No. 1,089,722; Mar. 10; Gaz. vol. 200; p. 407.
- Reamer, Expanding. J. B. Steindl. No. 1,086,867; Feb. 10; Gaz. vol. 199; p. 497.
- Reaming attachment for die-stocks. L. E. Welch. No. 1,096,876; May 19; Gaz. vol. 202; p. 658.
- Reaming-machine. F. T. Currier. No. 1,098,099; May 26; Gaz. vol. 202; p. 1132.
- Reaper. F. A. Ryther. No. 1,090,944; Mar. 24; Gaz. vol. 200; p. 900.
- Receipt. W. H. Koch. No. 1,113,220; Oct. 13; Gaz. vol. 207; p. 323.
- Receiving-table. J. J. Davis. No. 1,117,004; Nov. 10; Gaz. vol. 208; p. 575.
- Receptacle. F. E. Barns. No. 1,097,385; May 19; Gaz. vol. 202; p. 838.
- Receptacle. C. Cochran. No. 1,114,115; Oct. 20; Gaz. vol. 207; p. 677.
- Receptacle. W. E. Haist. No. 1,102,499; July 7; Gaz. vol. 204; p. 97.
- Receptacle. G. C. Heim. No. 1,107,066; Aug. 11; Gaz. vol. 205; p. 559.
- Receptacle. B. Jahn. No. 1,088,779; Mar. 3; Gaz. vol. 200; p. 36.
- Receptacle. F. Joachim. No. 1,106,946; Aug. 11; Gaz. vol. 205; p. 520.
- Receptacle. J. S. and E. R. Kunkel. No. 1,090,725; Mar. 17; Gaz. vol. 200; p. 793.
- Receptacle. J. R. Lusk. No. 1,119,619; Dec. 1; Gaz. vol. 209; p. 248.
- Receptacle. C. S. McCord. No. 1,083,522; Jan. 6; Gaz. vol. 198; p. 97.
- Receptacle. J. H. Parker. No. 1,090,563; Mar. 17; Gaz. vol. 200; p. 741.
- Receptacle. H. M. Sinclair. No. 1,114,546; Oct. 20; Gaz. vol. 207; p. 832.
- Receptacle. O. J. Weeks. No. 1,113,523; Oct. 13; Gaz. vol. 207; p. 432.
- Receptacle and blank therefor. J. B. Miller. (Reissue.) No. 13,812; Oct. 20; Gaz. vol. 207; p. 889.
- Receptacle, Article-. L. O. Barnes. No. 1,116,210; Nov. 3; Gaz. vol. 208; p. 254.
- Receptacle-cap. J. H. Follen. No. 1,110,618; Sept. 15; Gaz. vol. 206; p. 706.
- Receptacle-carrier. C. P. Pollard. No. 1,108,229; Aug. 25; Gaz. vol. 205; p. 1065.
- Receptacle-carrier. L. R. Steel. No. 1,108,016; Aug. 18; Gaz. vol. 205; p. 943.
- Receptacle closing and sealing device. I. G. Douglas. No. 1,095,143; Apr. 28; Gaz. vol. 201; p. 1165.
- Receptacle-closure. H. Brandle. No. 1,119,233; Dec. 1; Gaz. vol. 209; p. 116.
- Receptacle-closure. A. Drewitz. No. 1,106,032; Aug. 4; Gaz. vol. 205; p. 157.
- Receptacle-closure. A. M. Stover. No. 1,087,847; Feb. 17; Gaz. vol. 199; p. 884.
- Receptacle-closure. F. Waike. No. 1,093,748; Apr. 21; Gaz. vol. 201; p. 629.
- Receptacle-closure. B. T. Williston. No. 1,087,520; Feb. 17; Gaz. vol. 199; p. 771.
- Receptacle closure, Metallic-. W. T. Drew. No. 1,115,415; Oct. 27; Gaz. vol. 207; p. 1187.
- Receptacle, Collapsible. J. J. Aronoff. No. 1,111,428; Sept. 22; Gaz. vol. 206; p. 1029.
- Receptacle-cover. G. P. Jennings. No. 1,092,056; Mar. 31; Gaz. vol. 200; p. 1322.
- Receptacle-cover. S. R. Port. No. 1,090,565; Mar. 17; Gaz. vol. 200; p. 742.
- Receptacle-cover and shade-holder, Combined. F. W. Wakefield. No. 1,089,352; Mar. 3; Gaz. vol. 200; p. 230.
- Receptacle-cover, Self-locking. G. Kingstedt. No. 1,084,447; Jan. 13; Gaz. vol. 198; p. 422.
- Receptacle, Deposit and collection. J. Hartman. No. 1,110,779; Sept. 15; Gaz. vol. 206; p. 761.
- Receptacle, Deposit and collection. H. J. Rickert. No. 1,121,133; Dec. 15; Gaz. vol. 209; p. 864.
- Receptacle, Deposit and collection. E. E. Schnelle. No. 1,089,591; Mar. 10; Gaz. vol. 200; p. 363.
- Receptacle-fastener. C. and P. Bouillon. No. 1,114,960; Oct. 27; Gaz. vol. 207; p. 1029.
- Receptacle, Folding. A. L. Benner. No. 1,115,888; Nov. 3; Gaz. vol. 208; p. 143.
- Receptacle, Food-. J. Wright. No. 1,083,718; Jan. 6; Gaz. vol. 198; p. 153.
- Receptacle for dirt, rubbish, and other refuse, Dumping-. A. Cseh. No. 1,115,403; Oct. 27; Gaz. vol. 207; p. 1183.
- Receptacle for travelers. B. E. Byrd. No. 1,111,946; Sept. 29; Gaz. vol. 206; p. 1247.
- Receptacle-forming machine. F. W. and J. H. Burpee. No. 1,099,839; June 9; Gaz. vol. 203; p. 545.
- Receptacle-holder. R. D. and R. D. Mayo. No. 1,108,598; Aug. 25; Gaz. vol. 205; p. 1194.
- Receptacle-jacket. W. H. Schorling. No. 1,114,537; Oct. 20; Gaz. vol. 207; p. 829.
- Receptacle, Knockdown. D. E. Garrett. No. 1,091,328; Mar. 24; Gaz. vol. 200; p. 1030.
- Receptacle, Liquid-. L. Lerlo. No. 1,113,660; Oct. 13; Gaz. vol. 207; p. 477.
- Receptacle-making machine. W. E. Claussen. No. 1,103,940; July 21; Gaz. vol. 204; p. 685.
- Receptacle-making machine. J. W. Coyle. No. 1,112,121; Sept. 29; Gaz. vol. 206; p. 1304.
- Receptacle, Metal. A. L. Adams. No. 1,106,022; Aug. 4; Gaz. vol. 205; p. 152.
- Receptacle, Metal. A. Viard. No. 1,113,265; Oct. 13; Gaz. vol. 207; p. 340.
- Receptacle, Metallic. A. M. Kruse. No. 1,090,218; Mar. 17; Gaz. vol. 200; p. 619.
- Receptacle, Non-heat-conducting. E. G. Corwin. No. 1,121,072; Dec. 15; Gaz. vol. 209; p. 840.
- Receptacle, Non-heat-conducting. C. C. Wilson. No. 1,099,228; June 9; Gaz. vol. 203; p. 338.
- Receptacle, Non-refillable. S. D. Jacobson. No. 1,099,502; June 9; Gaz. vol. 203; p. 431.
- Receptacle, Package-. C. A. Hermann. No. 1,112,449; Oct. 6; Gaz. vol. 207; p. 12.
- Receptacle, Packaging-. B. M. Eaton. No. 1,115,060; Oct. 27; Gaz. vol. 207; p. 1065.
- Receptacle, Sanitary insulated. G. G. Loehler. No. 1,112,709; Oct. 6; Gaz. vol. 207; p. 106.
- Receptacle, Sheet-metal. R. P. Stewart. No. 1,105,710; Aug. 4; Gaz. vol. 205; p. 44.
- Receptacle, Storage and display. J. J. Ferrall and E. Mackay. No. 1,090,117; Mar. 10; Gaz. vol. 200; p. 543.
- Receptacle-top. W. G. Kendall. No. 1,084,280; Jan. 13; Gaz. vol. 198; p. 369.
- Receptacle-top. W. G. Kendall. No. 1,097,980; May 26; Gaz. vol. 202; p. 1092.
- Receptacle, Waste-. P. A. Dyar. No. 1,100,423; June 16; Gaz. vol. 203; p. 787.
- Receptacle, Waterproof. W. R. Ramage. No. 1,113,834; Oct. 13; Gaz. vol. 207; p. 540.
- Receptacles, Automatically closing and opening. T. W. McNeill. No. 1,112,636; Oct. 6; Gaz. vol. 207; p. 81.
- Receptacles, Device for introducing charges into. L. Fischer. No. 1,099,791; June 9; Gaz. vol. 203; p. 530.
- Receptacles, Head for sealing. J. D. Lord. No. 1,121,191; Dec. 15; Gaz. vol. 209; p. 883.
- Receptacles, Manufacture of wire-bound. J. Shellenberger. No. 1,111,809; Sept. 29; Gaz. vol. 206; p. 1200.
- Receptacles, Sanitary closure for. A. F. Fitz Gerald. No. 1,117,823; Nov. 17; Gaz. vol. 208; p. 904.
- Receptacles with liquid, Apparatus for filling. W. E. Pearson. No. 1,084,658; Jan. 20; Gaz. vol. 198; p. 521.
- Recess-box. F. W. Van Ness. No. 1,108,283; Aug. 25; Gaz. vol. 205; p. 1084.
- Reciprocating engine. W. A. Pitt. No. 1,107,837; Aug. 18; Gaz. vol. 205; p. 881.
- Reciprocating heater. W. S. Hadaway, Jr. No. 1,094,714; Apr. 28; Gaz. vol. 201; p. 1019.
- Reckoner, Butcher's ready-. A. C. Gerrard. No. 1,085,330; Jan. 27; Gaz. vol. 198; p. 790.
- Reclining-chair. J. W. R. Andrews. No. 1,105,234; July 28; Gaz. vol. 204; p. 1182.
- Reclining-chair. H. G. Geisler. No. 1,108,897; Sept. 1; Gaz. vol. 206; p. 12.
- Record-holder. L. R. Jones. No. 1,119,431; Dec. 1; Gaz. vol. 209; p. 183.
- Record-holder. J. Roever. No. 1,094,476; Apr. 28; Gaz. vol. 201; p. 933.
- Records, Container for disk. T. D. Foster. No. 1,084,205; Jan. 13; Gaz. vol. 198; p. 346.
- Recorder. See Coal-shoveling recorder; Code-recorder; Electric recorder; Electrical recorder; Graphic recorder; Smoke-recorder; Time-recorder; Traffic-recorder.
- Recorder. C. W. Berry. No. 1,093,244; Apr. 14; Gaz. vol. 201; p. 420.
- Recorder. J. W. Bryce. No. 1,116,872; Nov. 10; Gaz. vol. 208; p. 529.
- Recorder. C. W. Dake and C. P. McGinnis. No. 1,104,250; July 21; Gaz. vol. 204; p. 790.
- Recorder. P. Fuess. No. 1,115,302; Oct. 27; Gaz. vol. 207; p. 1150.
- Recorder. C. W. Heath. No. 1,119,956; Dec. 8; Gaz. vol. 209; p. 398.
- Recorder. W. Hess, Jr. No. 1,105,906; Aug. 4; Gaz. vol. 205; p. 111.
- Recorder. E. Schuch. No. 1,103,691; July 14; Gaz. vol. 204; p. 561.
- Recorder and reproducer, Combined. J. J. Scully. No. 1,093,732; Apr. 21; Gaz. vol. 201; p. 625.
- Recording and calculating machine. W. H. Brown. No. 1,122,191; Dec. 22; Gaz. vol. 209; p. 1264.
- Recording and change-making machine. E. S. Church. No. 1,118,106; Nov. 24; Gaz. vol. 208; p. 1040.
- Recording apparatus. J. R. Peirce. No. 1,110,643; Sept. 15; Gaz. vol. 206; p. 715.

Alphabetical list of inventions—Continued.

- Recording device. C. L. Jaeger. No. 1,106,944; Aug. 11; Gaz. vol. 205; p. 519.
- Recording device. J. L. Neel. No. 1,100,664; June 16; Gaz. vol. 203; p. 865.
- Recording flow-meter. J. Wilkinson. No. 1,092,966; Apr. 14; Gaz. vol. 201; p. 323.
- Recording instrument. R. P. Brown. No. 1,089,744; Mar. 10; Gaz. vol. 200; p. 414.
- Recording instrument. O. E. Krone. No. 1,093,704; Apr. 21; Gaz. vol. 201; p. 616.
- Recording-machine. W. H. Brown. No. 1,088,671; Feb. 24; Gaz. vol. 199; p. 1210.
- Recording-machine. B. Dysart. No. 1,121,721; Dec. 22; Gaz. vol. 209; p. 1102.
- Recording-machine. H. Landsiedel. No. 1,115,841; Nov. 3; Gaz. vol. 208; p. 127.
- Recording-machine. C. E. Tomlinson. No. 1,091,718; Mar. 31; Gaz. vol. 200; p. 1206.
- Recording-machine. H. C. Yaeger. No. 1,120,878; Dec. 15; Gaz. vol. 209; p. 772.
- Recording-machines. Carriage mechanism for. R. E. Benner. No. 1,109,315; Sept. 1; Gaz. vol. 206; p. 162.
- Recording mechanism. J. L. Authier. No. 1,118,998; Dec. 1; Gaz. vol. 209; p. 33.
- Recording mechanism. H. W. Payne. No. 1,090,749; Mar. 17; Gaz. vol. 200; p. 800.
- Rectifier. T. A. Edison. No. 1,099,241; June 9; Gaz. vol. 203; p. 342.
- Rectifier. V. M. Harris. No. 1,119,951; Dec. 8; Gaz. vol. 209; p. 396.
- Rectifier. A. T. Kasley. No. 1,098,807; June 2; Gaz. vol. 203; p. 152.
- Rectifier system. F. Conrad. No. 1,112,266; Sept. 29; Gaz. vol. 206; p. 1357.
- Rectifier system. C. L. Fortescue. No. 1,112,282; Sept. 29; Gaz. vol. 206; p. 1362.
- Rectifying apparatus. A. Golodetz. No. 1,086,452; Feb. 10; Gaz. vol. 199; p. 350.
- Rectifying apparatus. C. A. Kraus. No. 1,086,300; Feb. 3; Gaz. vol. 199; p. 251.
- Recuperator-furnace. W. A. Stubblebine. No. 1,111,414; Sept. 22; Gaz. vol. 206; p. 1025.
- Reducing apparatus. T. Kihlgren. No. 1,098,324; May 26; Gaz. vol. 202; p. 1210.
- Reducing system. M. F. Williams. No. 1,116,777; Nov. 10; Gaz. vol. 208; p. 495.
- Reed-hook. W. L. Keith. No. 1,094,855; Apr. 28; Gaz. vol. 201; p. 1067.
- Reeds, ratan, or the like, Article made from. G. E. Pfennighausen. No. 1,121,864; Dec. 22; Gaz. vol. 209; p. 1153.
- Reefing-iron. D. F. Moore. No. 1,114,903; Oct. 27; Gaz. vol. 207; p. 1008.
- Reel. See Cable-reel; Casting-reel; Chain-reel; Clothes-line reel; Fence-wire reel; Film-reel; Fire-hose reel; Fishing-reel; Harvester-reel; Harvester-binder reel; Hose-reel; Lamp-cord reel; Locomotive-reel; Paper-reel; Switchboard-cord reel; Tape-reel; Wire-reel.
- Reel. J. D. Adams and A. G. Johnson. No. 1,098,655; June 2; Gaz. vol. 203; p. 102.
- Reel. L. W. Gill. No. 1,105,028; July 28; Gaz. vol. 204; p. 1109.
- Reel. D. W. Hudson. No. 1,088,282; Feb. 24; Gaz. vol. 199; p. 1082.
- Reel. M. Lachman. No. 1,103,519; July 14; Gaz. vol. 204; p. 495.
- Reel. F. M. Morton. No. 1,116,608; Nov. 10; Gaz. vol. 208; p. 435.
- Reel. L. Murray and A. Melville. No. 1,119,445; Dec. 1; Gaz. vol. 209; p. 187.
- Reel. E. Nall. No. 1,120,520; Dec. 8; Gaz. vol. 209; p. 598.
- Reel. A. F. Rietzel. No. 1,083,298; Jan. 6; Gaz. vol. 198; p. 13.
- Reel. E. W. Salmon, Jr. No. 1,088,039; Feb. 24; Gaz. vol. 199; p. 999.
- Reel bar or core for use in winding and unwinding paper, cloth, and like material, Expanding. S. Milne. No. 1,122,627; Dec. 29; Gaz. vol. 209; p. 1453.
- Reel braking attachment. G. S. Yingling. No. 1,089,618; Mar. 10; Gaz. vol. 200; p. 371.
- Reel-fixture. E. D. Simons. No. 1,108,855; Aug. 25; Gaz. vol. 205; p. 1281.
- Reel for coiling flats and other shapes. F. H. Daniels. No. 1,117,003; Nov. 10; Gaz. vol. 208; p. 575.
- Reel for strip material. J. J. Buchanan. No. 1,110,743; Sept. 15; Gaz. vol. 206; p. 750.
- Reel mechanism. G. W. McKinstry. No. 1,097,869; May 26; Gaz. vol. 202; p. 1050.
- Reeling-machine. G. Sipp. No. 1,099,944; June 16; Gaz. vol. 203; p. 620.
- Reflector. M. F. Robbins, Jr. No. 1,119,455; Dec. 1; Gaz. vol. 209; p. 191.
- Reflector. E. S. Slocum. No. 1,120,750; Dec. 15; Gaz. vol. 209; p. 727.
- Reflector attachment. J. J. Hoover and W. Whitfield. No. 1,083,895; Jan. 6; Gaz. vol. 198; p. 205.
- Reflector-cluster. O. A. Mygatt. No. 1,105,038; July 28; Gaz. vol. 204; p. 1113.
- Reflector, Opaque. T. J. Litle, Jr. No. 1,083,750; Jan. 6; Gaz. vol. 198; p. 163.
- Reflector, Prismatic glass. O. A. Mygatt. No. 1,092,114; Mar. 31; Gaz. vol. 200; p. 1342.
- Reflector-shade. R. B. Benjamin. No. 1,103,252; July 14; Gaz. vol. 204; p. 407.
- Reflectoscope. M. D. Good. No. 1,114,605; Oct. 20; Gaz. vol. 207; p. 849.
- Reflectoscope. T. Graham. No. 1,086,704; Feb. 10; Gaz. vol. 199; p. 438.
- Refractory article and manufacturing the same. T. B. Allen. No. 1,107,012; Aug. 11; Gaz. vol. 205; p. 540.
- Refractory material. J. R. Campbell. No. 1,114,446; Oct. 20; Gaz. vol. 207; p. 796.
- Refractory material prior to rolling, Preforming. M. von Pirani. No. 1,093,203; Apr. 14; Gaz. vol. 201; p. 406.
- Refrigerating apparatus. A. E. Bossé. No. 1,092,426; Apr. 7; Gaz. vol. 201; p. 105.
- Refrigerating apparatus. E. Bretney. No. 1,109,396; Sept. 1; Gaz. vol. 206; p. 192.
- Refrigerating apparatus. C. A. V. Carlsson. No. 1,117,786; Nov. 17; Gaz. vol. 208; p. 891.
- Refrigerating apparatus. C. and W. A. Chase. No. 1,088,206; Feb. 24; Gaz. vol. 199; p. 1056.
- Refrigerating apparatus. C. J. Coleman. No. 1,102,998; July 7; Gaz. vol. 204; p. 268.
- Refrigerating apparatus. C. J. Coleman. No. 1,102,999; July 7; Gaz. vol. 204; p. 268.
- Refrigerating apparatus. W. Cooper. No. 1,085,111; Jan. 27; Gaz. vol. 198; p. 713.
- Refrigerating apparatus. L. K. Doelling. No. 1,106,287; Aug. 4; Gaz. vol. 205; p. 242.
- Refrigerating apparatus. E. N. Friedmann. No. 1,084,265; Jan. 13; Gaz. vol. 198; p. 364.
- Refrigerating apparatus. J. Hamersley. No. 1,104,665; July 21; Gaz. vol. 204; p. 935.
- Refrigerating apparatus. F. Hirth. No. 1,100,015; June 16; Gaz. vol. 203; p. 644.
- Refrigerating apparatus. W. J. Kelly. No. 1,122,603; Dec. 29; Gaz. vol. 209; p. 1445.
- Refrigerating apparatus. G. I. Leonard and W. C. Cutler. No. 1,086,675; Feb. 10; Gaz. vol. 199; p. 428.
- Refrigerating apparatus. S. Mackin. No. 1,095,008; Apr. 28; Gaz. vol. 201; p. 1120.
- Refrigerating apparatus. T. E. Murray and A. W. H. Gripe. No. 1,120,220; Dec. 8; Gaz. vol. 209; p. 493.
- Refrigerating apparatus. W. A. Owen. No. 1,088,615; Feb. 24; Gaz. vol. 199; p. 1190.
- Refrigerating apparatus. J. G. Richert. No. 1,118,583; Nov. 24; Gaz. vol. 208; p. 1209.
- Refrigerating apparatus. H. H. Southworth and C. G. Armstrong. No. 1,109,021; Sept. 1; Gaz. vol. 206; p. 58.
- Refrigerating apparatus. J. Zander and J. Levey. No. 1,105,171; July 28; Gaz. vol. 204; p. 1158.
- Refrigerating apparatus, Absorber for. T. C. McKee. No. 1,085,624; Feb. 3; Gaz. vol. 199; p. 16.
- Refrigerating apparatus, Automatic compression. G. P. Carroll. No. 1,118,737; Nov. 24; Gaz. vol. 208; p. 1261.
- Refrigerating apparatus, Device for indicating condition of gas in. T. E. Murray and A. W. H. Gripe. No. 1,103,985; July 21; Gaz. vol. 204; p. 700.
- Refrigerating apparatus, Rotary. D. J. Havenstrite. No. 1,109,223; Sept. 1; Gaz. vol. 206; p. 130.
- Refrigerating by means of liquefied gas, Apparatus for. F. A. Pollard. No. 1,091,957; Mar. 31; Gaz. vol. 200; p. 1291.
- Refrigerating device for railway-cars. P. Porges. No. 1,093,075; Apr. 14; Gaz. vol. 201; p. 361.
- Refrigerating liquids. L. Bichler. No. 1,088,518; Feb. 24; Gaz. vol. 199; p. 1159.
- Refrigerating-machine. J. F. Hawley. No. 1,120,481; Dec. 8; Gaz. vol. 209; p. 585.
- Refrigerating-machine. J. Rebsamen. No. 1,084,962; Jan. 20; Gaz. vol. 198; p. 626.
- Refrigerating-machine-controlling mechanism. G. P. Carroll and F. N. Roehrich. No. 1,096,824; May 19; Gaz. vol. 202; p. 639.
- Refrigerating-machines, Apparatus for the automatic regulation of. F. A. Pollard. No. 1,120,159; Dec. 8; Gaz. vol. 209; p. 470.
- Refrigerating system, Ammonia force-feed. W. Schlemann. No. 1,106,244; Aug. 4; Gaz. vol. 205; p. 227.
- Refrigerating systems, Controlling device for. G. Knox. No. 1,103,885; July 14; Gaz. vol. 204; p. 625.
- Refrigerating vessel. J. H. Craig. No. 1,093,541; Apr. 14; Gaz. vol. 201; p. 515.
- Refrigeration. W. J. Kelly. No. 1,122,602; Dec. 29; Gaz. vol. 209; p. 1444.
- Refrigeration and apparatus therefor, Process of. N. H. Hiller. No. 1,109,923; Sept. 8; Gaz. vol. 206; p. 419.
- Refrigeration, Apparatus for producing. M. J. Riordan. No. 1,118,809; Nov. 24; Gaz. vol. 208; p. 1284.
- Refrigerator. W. von Baumbach. No. 1,122,846; Dec. 29; Gaz. vol. 209; p. 1531.
- Refrigerator. T. F. Cobler. No. 1,115,398; Oct. 27; Gaz. vol. 207; p. 1180.
- Refrigerator. T. F. Cobler. No. 1,116,802; Nov. 10; Gaz. vol. 208; p. 505.
- Refrigerator. F. V. Detwiler. No. 1,099,284; June 9; Gaz. vol. 203; p. 356.
- Refrigerator. F. V. Detwiler. No. 1,105,410; July 28; Gaz. vol. 204; p. 1245.

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- Refrigerator. F. V. Detwiler. No. 1,112,687; Oct. 6; Gaz. vol. 207; p. 99.
- Refrigerator. F. V. Detwiler. No. 1,116,033; Nov. 3; Gaz. vol. 208; p. 194.
- Refrigerator. F. J. Dux. No. 1,095,316; May 5; Gaz. vol. 202; p. 49.
- Refrigerator. P. Fleury. No. 1,091,321; Mar. 24; Gaz. vol. 200; p. 1028.
- Refrigerator. G. Gárdonyi. No. 1,107,928; Aug. 18; Gaz. vol. 205; p. 911.
- Refrigerator. K. G. W. Grönlund. No. 1,118,648; Nov. 24; Gaz. vol. 208; p. 1230.
- Refrigerator. G. A. Ickes. No. 1,094,072; Apr. 21; Gaz. vol. 201; p. 738.
- Refrigerator. A. A. Quinn. No. 1,101,880; June 30; Gaz. vol. 203; p. 1393.
- Refrigerator. R. A. Rlek. No. 1,111,496; Sept. 22; Gaz. vol. 206; p. 1053.
- Refrigerator. J. Schulde and N. J. Windberg. No. 1,091,393; Mar. 24; Gaz. vol. 200; p. 1052.
- Refrigerator. E. W. Shirk. No. 1,084,366; Jan. 13; Gaz. vol. 198; p. 397.
- Refrigerator. M. H. Slater. No. 1,089,016; Mar. 3; Gaz. vol. 200; p. 117.
- Refrigerator. E. F. Soderborg. No. 1,115,121; Oct. 27; Gaz. vol. 207; p. 1086.
- Refrigerator attachment. F. P. and H. D. Layman. No. 1,090,925; Mar. 24; Gaz. vol. 200; p. 893.
- Refrigerator-car. J. Cunnig. No. 1,088,130; Feb. 24; Gaz. vol. 199; p. 1030.
- Refrigerator-car. C. A. Huse. No. 1,098,904; June 2; Gaz. vol. 203; p. 186.
- Refrigerator-car. C. A. Moore. No. 1,113,135; Oct. 6; Gaz. vol. 207; p. 249.
- Refrigerator-car. W. E. Sharp. No. 1,116,937; Nov. 10; Gaz. vol. 208; p. 551.
- Refrigerator-car door. G. H. Judia. No. 1,109,071; Sept. 1; Gaz. vol. 206; p. 76.
- Refrigerator-car-hatch plug. E. A. Nix, J. J. Dowling, and H. A. Bursley. No. 1,092,944; Apr. 14; Gaz. vol. 201; p. 316.
- Refrigerator-cars, Pipe system for discharging waste water from. J. A. Applewhite. No. 1,104,953; July 28; Gaz. vol. 204; p. 1084.
- Refrigerator-cooler. C. W. McCoy. No. 1,111,077; Sept. 22; Gaz. vol. 206; p. 910.
- Refrigerator. Dispensing. E. C. Fain. No. 1,105,502; July 28; Gaz. vol. 204; p. 1277.
- Refrigerator-doors, Means for packing. C. B. Patch. No. 1,096,123; May 12; Gaz. vol. 202; p. 359.
- Refrigerator-drain. A. E. MacDonald. No. 1,096,441; May 12; Gaz. vol. 202; p. 468.
- Refrigerator. Evaporative. C. J. Squires. No. 1,085,177; Jan. 27; Gaz. vol. 198; p. 736.
- Refrigerator. Vacuum-walled. L. W. Seeman and J. C. Morse. No. 1,091,968; Mar. 31; Gaz. vol. 200; p. 1294.
- Refrigerator. Window. T. C. Fleming. No. 1,121,819; Dec. 22; Gaz. vol. 209; p. 1136.
- Refrigerator. Window. T. P. Hackett. No. 1,099,499; June 9; Gaz. vol. 203; p. 430.
- Refrigerators. Overflow-alarm for. T. M. Tolliver. No. 1,122,667; Dec. 29; Gaz. vol. 209; p. 1469.
- Refuse-burner. J. Prescott. No. 1,086,855; Feb. 10; Gaz. vol. 199; p. 493.
- Refuse-burner. H. Ragot. No. 1,113,829; Oct. 13; Gaz. vol. 207; p. 538.
- Refuse-depository. F. Ehrhardt. No. 1,109,911; Sept. 8; Gaz. vol. 206; p. 414.
- Refuse-destructer. H. N. Leask. No. 1,085,445; Jan. 27; Gaz. vol. 198; p. 828.
- Refuse disposal and reduction plant. G. W. Haskin. No. 1,091,837; Mar. 31; Gaz. vol. 200; p. 1249.
- Regenerative furnace. J. Reuleaux. No. 1,098,171; May 26; Gaz. vol. 202; p. 1156.
- Regenerative furnace. Reversing. L. L. Knox. No. 1,085,138; Jan. 27; Gaz. vol. 198; p. 722.
- Regenerative furnace. Reversing. L. L. Knox. No. 1,085,139; Jan. 27; Gaz. vol. 198; p. 722.
- Regenerative furnace. Reversing. L. L. Knox. No. 1,102,198; June 30; Gaz. vol. 203; p. 1506.
- Regenerative furnace. F. Siemens. No. 1,102,359; July 7; Gaz. vol. 204; p. 47.
- Regenerator. A. Brünninghaus. No. 1,092,332; Apr. 7; Gaz. vol. 201; p. 73.
- Regenerator construction. T. H. Kenvin. No. 1,104,513; July 21; Gaz. vol. 204; p. 883.
- Regenerator-furnace. W. E. Moore. No. 1,117,219; Nov. 17; Gaz. vol. 208; p. 689.
- Register. *See* Account-register; Adding-machine register; Air-register; Autographic register; Automatic register; Business-register; Car-register; Card-register; Cash-register; Coupon-register; Fare-register; Golf-register; Message-register; Meter-register; Telephone-call register; Telephone coin-register; Ticket-sales register; Vehicle passenger-register; Volume and pressure register.
- Register. E. S. Hall. No. 1,108,902; Sept. 1; Gaz. vol. 206; p. 14.
- Register. A. W. Kempner. No. 1,110,942; Sept. 15; Gaz. vol. 206; p. 819.
- Register. G. White. No. 1,114,085; Oct. 20; Gaz. vol. 207; p. 667.
- Register-actuating mechanism, Two-way. F. O. Heuser. No. 1,084,634; Jan. 20; Gaz. vol. 198; p. 514.
- Register attachment, Hot-air. F. H. Greenawalt. No. 1,113,430; Oct. 13; Gaz. vol. 207; p. 400.
- Register device, Side. E. J. F. Rea. No. 1,103,433; July 14; Gaz. vol. 204; p. 466.
- Register-key. Watchman's. C. H. Jenkins. No. 1,112,618; Oct. 6; Gaz. vol. 207; p. 75.
- Register-leaf construction, Credit. F. J. Peterson. No. 1,091,239; Mar. 24; Gaz. vol. 200; p. 1004.
- Register top plate. H. S. Hart. No. 1,117,568; Nov. 17; Gaz. vol. 208; p. 811.
- Registers, Dust-hood for hot-air. C. C. Gerhart. No. 1,113,428; Oct. 13; Gaz. vol. 207; p. 399.
- Registers, Leaf-controlling means for credit. F. J. Peterson. No. 1,087,977; Feb. 24; Gaz. vol. 199; p. 977.
- Registers, Tension device for autographic. M. C. Stern and A. C. V. Malm. No. 1,110,657; Sept. 15; Gaz. vol. 206; p. 720.
- Registering and change device, Automatic. D. Gaibis. No. 1,089,206; Mar. 3; Gaz. vol. 200; p. 184.
- Registering and indicating mechanism, Operating device for. W. H. Nelson. No. 1,093,720; Apr. 21; Gaz. vol. 201; p. 622.
- Registering and recording machine. J. P. Cleal. No. 1,118,104; Nov. 24; Gaz. vol. 208; p. 1039.
- Registering apparatus. R. V. Eaton and O. U. Chambers. No. 1,121,815; Dec. 22; Gaz. vol. 209; p. 1134.
- Registering apparatus for taximeters and the like. R. Schürzmann. No. 1,120,749; Dec. 15; Gaz. vol. 209; p. 727.
- Registering device. H. G. La Sor. No. 1,085,345; Jan. 27; Gaz. vol. 198; p. 795.
- Registering device. L. J. Tubbs. No. 1,106,257; Aug. 4; Gaz. vol. 205; p. 232.
- Registering-head. S. R. Shoup. No. 1,096,762; May 12; Gaz. vol. 202; p. 575.
- Registering-machine. C. F. Grainger. No. 1,085,413; Jan. 27; Gaz. vol. 198; p. 818.
- Registering mechanism. O. F. Forsberg. No. 1,117,486; Nov. 17; Gaz. vol. 208; p. 783.
- Registering mechanism. C. F. Kettering. No. 1,109,763; Sept. 8; Gaz. vol. 206; p. 361.
- Registering-meter for gas and the like. J. M. Rusby. No. 1,105,581; July 28; Gaz. vol. 204; p. 1304.
- Registering system. R. H. Long. (Reissue.) No. 13,707; Mar. 31; Gaz. vol. 200; p. 1348.
- Regulating device. J. M. Setzer. No. 1,108,255; Aug. 25; Gaz. vol. 205; p. 1075.
- Regulating system. H. A. Laycock. No. 1,109,236; Sept. 1; Gaz. vol. 206; p. 135.
- Regulator. *See* Air-supply regulator; Automatic regulator; Battery-regulator; Boiler-feed regulator; Controller-regulator; Current-regulator; Damper-regulator; Draft-regulator; Electric regulator; Electric circuit regulator; Electrical regulator; Engine-speed regulator; Exhaust-regulator; Expression-regulator; Feed-regulator; Feed-water regulator; Fluid-regulator; Fluid-compressor regulator; Fluid-pressure regulator; Fuel-regulator; Furnace-regulator; Furnace draft-regulator; Gas-regulator; Gas-jet regulator; Gas-pressure regulator; Hair-spring regulator; Heater-regulator; Hydraulic-pressure regulator; Lever-regulator; Liquid-regulator; Mixture-regulator; Pressure-regulator; Pulp-feed regulator; Pump-regulator; Selenium-cell regulator; Speed-regulator; Tank-regulator; Temperature-regulator; Tempo-regulator; Tension-regulator; Thermo-electric regulator; Valve-regulator; Voltage-regulator; Water-regulator; Water-wheel regulator; Windmill-regulator.
- Regulator. E. J. Deegan. No. 1,108,146; Aug. 25; Gaz. vol. 205; p. 1036.
- Regulator. W. Hodgson and E. J. Deegan. No. 1,108,173; Aug. 25; Gaz. vol. 205; p. 1044.
- Regulator. J. F. M. Patitz. No. 1,095,667; May 5; Gaz. vol. 202; p. 169.
- Regulator. J. F. M. Patitz. No. 1,099,614; June 9; Gaz. vol. 203; p. 469.
- Reheating-furnace. W. S. Rogers. No. 1,100,782; June 23; Gaz. vol. 203; p. 961.
- Rein-holder. E. F. Chambers. No. 1,084,535; Jan. 13; Gaz. vol. 198; p. 450.
- Rein-holder. P. R. Harris. No. 1,121,830; Dec. 22; Gaz. vol. 209; p. 1140.
- Rein-holder. A. A. Kinion. No. 1,087,666; Feb. 17; Gaz. vol. 199; p. 825.
- Rein, Knotless hitching. S. Joseph. No. 1,083,836; Jan. 6; Gaz. vol. 198; p. 189.
- Rein or strap, Connecting guide. M. C. Mork. No. 1,094,462; Apr. 28; Gaz. vol. 201; p. 929.
- Rein-ring. J. Grover. No. 1,087,488; Feb. 17; Gaz. vol. 199; p. 761.
- Reinforced box. G. S. Axford. No. 1,115,478; Nov. 3; Gaz. vol. 208; p. 3.
- Reinforced tie. W. G. Chipley. No. 1,088,062; Feb. 24; Gaz. vol. 199; p. 1007.
- Reinforcing-bar, Spliced. E. E. Slick. No. 1,109,258; Sept. 1; Gaz. vol. 206; p. 142.

Alphabetical list of inventions—Continued.

- Reinforcing-bars, Making. N. L. Hall. No. 1,095,324; May 5; Gaz. vol. 202; p. 52.
- Reinforcing-rod and wall-plug, Combination. J. McLoughlin. No. 1,092,734; Apr. 7; Gaz. vol. 201; p. 209.
- Reinforcing-strip, Metallic. W. L. Collins. No. 1,122,076; Dec. 22; Gaz. vol. 209; p. 1227.
- Reinforcement and centering. W. C. Edwards, Jr. No. 1,094,985; Apr. 28; Gaz. vol. 201; p. 1112.
- Relay. J. A. Birsfield. No. 1,088,870; Mar. 3; Gaz. vol. 200; p. 67.
- Relay. E. B. Craft. No. 1,121,897; Dec. 22; Gaz. vol. 209; p. 1164.
- Relay. I. Kitsee. No. 1,093,702; Apr. 21; Gaz. vol. 201; p. 615.
- Relay. F. R. McBerty. No. 1,107,536; Aug. 18; Gaz. vol. 205; p. 774.
- Relay. M. S. Morse. No. 1,092,283; Apr. 7; Gaz. vol. 201; p. 56.
- Relay. H. A. Parrish. No. 1,120,846; Dec. 15; Gaz. vol. 209; p. 760.
- Relay. S. R. Stone. No. 1,083,566; Jan. 6; Gaz. vol. 198; p. 102.
- Relay. A. A. Tirrill. No. 1,101,670; June 30; Gaz. vol. 203; p. 1320.
- Relay apparatus. A. Orling. No. 1,089,434; Mar. 10; Gaz. vol. 200; p. 306.
- Relay apparatus, Electric. H. D. Arnold. No. 1,118,175; Nov. 24; Gaz. vol. 208; p. 1062.
- Relay-bond. W. K. Howe. No. 1,093,780; Apr. 21; Gaz. vol. 201; p. 638.
- Relay contact device. G. C. Murphy. No. 1,109,778; Sept. 8; Gaz. vol. 206; p. 366.
- Relay. Current-reversing. E. J. Murphy. No. 1,109,244; Sept. 1; Gaz. vol. 206; p. 138.
- Relay, Electric. H. D. Arnold. No. 1,114,845; Oct. 27; Gaz. vol. 207; p. 988.
- Relay, Electric. H. D. Arnold. No. 1,118,173; Nov. 24; Gaz. vol. 208; p. 1062.
- Relay, Electric. W. L. Richards. No. 1,103,688; July 14; Gaz. vol. 204; p. 560.
- Relay, Electrical. J. Erickson. No. 1,110,430; Sept. 15; Gaz. vol. 206; p. 640.
- Relay, Electromagnetic. J. F. D. Hoge. No. 1,085,810; Feb. 3; Gaz. vol. 199; p. 83.
- Relay for motor-circuits, Reverse-phase safety-. C. H. Spangler. No. 1,112,863; Oct. 6; Gaz. vol. 207; p. 158.
- Relay for strengthening weak electric currents. J. Schiesler. No. 1,086,942; Feb. 10; Gaz. vol. 199; p. 520.
- Relay for undulatory currents. R. von Lieben and E. Reisz. (Reissue.) No. 13,779; July 21; Gaz. vol. 204; p. 973.
- Relay, microphone, or other sensitive-contact device. P. O. Pedersen. No. 1,122,799; Dec. 29; Gaz. vol. 209; p. 1515.
- Relay sounder attachment. S. L. Dickson. No. 1,105,761; Aug. 4; Gaz. vol. 205; p. 62.
- Relay, Thermal. T. B. Freas. No. 1,111,789; Sept. 29; Gaz. vol. 206; p. 1192.
- Releasable wringer. F. H. Bergman. No. 1,089,622; Mar. 10; Gaz. vol. 200; p. 373.
- Release-rigging. O. Anderson. No. 1,116,866; Nov. 10; Gaz. vol. 208; p. 527.
- Release-rigging. W. P. Murphy. No. 1,084,163; Jan. 13; Gaz. vol. 198; p. 330.
- Release-rigging. W. P. Murphy. No. 1,095,222; May 5; Gaz. vol. 202; p. 17.
- Release-rigging. W. P. Murphy. No. 1,095,588; May 5; Gaz. vol. 202; p. 142.
- Release-rigging. W. P. Murphy. No. 1,095,589; May 5; Gaz. vol. 202; p. 142.
- Release-rigging. R. F. Smith. No. 1,101,153; June 23; Gaz. vol. 203; p. 1091.
- Releasing device. J. Irwin. No. 1,086,667; Feb. 10; Gaz. vol. 199; p. 425.
- Remedy for syphilis. K. David. No. 1,086,900; Feb. 10; Gaz. vol. 199; p. 506.
- Reminder, Automatic. H. E. M. Kensit. No. 1,089,712; Mar. 10; Gaz. vol. 200; p. 404.
- Removable handle. S. J. Penick. No. 1,115,334; Oct. 27; Gaz. vol. 207; p. 1159.
- Repair-coupling. E. J. Kelly. No. 1,110,632; Sept. 15; Gaz. vol. 206; p. 711.
- Repair-jack. D. Rounds. No. 1,103,844; July 14; Gaz. vol. 204; p. 610.
- Repair kit. J. J. Doidge. No. 1,118,639; Nov. 24; Gaz. vol. 208; p. 1227.
- Replacing process. G. Moore. No. 1,114,018; Oct. 20; Gaz. vol. 207; p. 642.
- Replanter, Plant-. C. C. and R. C. Poucher. No. 1,106,405; Aug. 11; Gaz. vol. 205; p. 327.
- Replanting and transplanting small plants. Implement for. D. S. Boyles. No. 1,098,221; May 26; Gaz. vol. 202; p. 1173.
- Report-record. J. W. Berwick. No. 1,112,428; Oct. 6; Gaz. vol. 207; p. 3.
- Reproducing-machine. A. Bock. No. 1,118,729; Nov. 24; Gaz. vol. 208; p. 1258.
- Repulsion-motor. A. Simon. No. 1,094,102; Apr. 21; Gaz. vol. 201; p. 747.
- Rerailing device. F. L. Parker. No. 1,117,081; Nov. 10; Gaz. vol. 208; p. 601.
- Resawing-machine. A. D. Newcomb. No. 1,110,306; Sept. 8; Gaz. vol. 206; p. 556.
- Resawing-machine. G. M. Pelton. No. 1,109,012; Sept. 1; Gaz. vol. 206; p. 55.
- Reserve-supply tank. A. W. H. Helberg. No. 1,110,057; Sept. 8; Gaz. vol. 206; p. 465.
- Reserve-tank for liquid-containers. L. H. Wilson. No. 1,116,778; Nov. 10; Gaz. vol. 208; p. 496.
- Reservoir, Feed and water. P. Dragan, C. De George, and R. Palmero. No. 1,113,887; Oct. 13; Gaz. vol. 207; p. 558.
- Resilient articles, Manufacturing. L. T. Petersen. No. 1,115,240; Oct. 27; Gaz. vol. 207; p. 1129.
- Resilient ball. L. T. Petersen. No. 1,115,734; Nov. 3; Gaz. vol. 208; p. 91.
- Resilient composition. A. J. Guidry. No. 1,117,839; Nov. 17; Gaz. vol. 208; p. 909.
- Resilient vehicle-wheel. E. M. Butler. No. 1,095,956; May 5; Gaz. vol. 202; p. 265.
- Resilient vehicle-wheel. S. Johnstone. No. 1,098,577; June 2; Gaz. vol. 203; p. 78.
- Resilient vehicle-wheel. N. T. Sharp. No. 1,092,755; Apr. 7; Gaz. vol. 201; p. 217.
- Resilient wheel. W. S. Allyn. No. 1,105,600; Aug. 4; Gaz. vol. 205; p. 4.
- Resilient wheel. C. C. Bailey. No. 1,117,623; Nov. 17; Gaz. vol. 208; p. 830.
- Resilient wheel. A. Bourgeois. No. 1,120,896; Dec. 15; Gaz. vol. 209; p. 779.
- Resilient wheel. J. H. Brizendin. No. 1,090,834; Mar. 24; Gaz. vol. 200; p. 862.
- Resilient wheel. A. Cane. No. 1,112,116; Sept. 29; Gaz. vol. 206; p. 1303.
- Resilient wheel. G. Cauvry and L. Salel. No. 1,090,199; Mar. 17; Gaz. vol. 200; p. 613.
- Resilient wheel. A. Cléret. No. 1,105,321; July 28; Gaz. vol. 204; p. 1213.
- Resilient wheel. S. Craig. No. 1,098,782; June 2; Gaz. vol. 203; p. 144.
- Resilient wheel. W. F. Doll. No. 1,091,302; Mar. 24; Gaz. vol. 200; p. 1023.
- Resilient wheel. W. F. Doll. No. 1,091,303; Mar. 24; Gaz. vol. 200; p. 1023.
- Resilient wheel. W. F. Doll. No. 1,091,304; Mar. 24; Gaz. vol. 200; p. 1024.
- Resilient wheel. W. F. Doll. No. 1,091,305; Mar. 24; Gaz. vol. 200; p. 1024.
- Resilient wheel. O. A. Eckre. No. 1,110,427; Sept. 15; Gaz. vol. 206; p. 639.
- Resilient wheel. J. J. Fahrney. No. 1,122,889; Dec. 29; Gaz. vol. 209; p. 1546.
- Resilient wheel. W. A. Gehringer. No. 1,083,396; Jan. 6; Gaz. vol. 198; p. 46.
- Resilient wheel. E. Geisil. No. 1,103,502; July 14; Gaz. vol. 204; p. 489.
- Resilient wheel. A. T. Gookin. No. 1,093,399; Apr. 14; Gaz. vol. 201; p. 474.
- Resilient wheel. C. H. Gunn. No. 1,105,650; Aug. 4; Gaz. vol. 205; p. 23.
- Resilient wheel. J. T. Helbert. No. 1,122,274; Dec. 29; Gaz. vol. 209; p. 1333.
- Resilient wheel. E. L. Heninger, H. J. Schrader, and W. L. Norris. No. 1,118,769; Nov. 24; Gaz. vol. 208; p. 1270.
- Resilient wheel. E. L. Kenoyer. No. 1,119,830; Dec. 8; Gaz. vol. 209; p. 355.
- Resilient wheel. W. F. Kopke. No. 1,114,891; Oct. 27; Gaz. vol. 207; p. 1004.
- Resilient wheel. F. J. Krödel. No. 1,085,442; Jan. 27; Gaz. vol. 198; p. 827.
- Resilient wheel. C. H. Light. No. 1,096,380; May 12; Gaz. vol. 202; p. 447.
- Resilient wheel. J. B. Lynch. No. 1,114,276; Oct. 20; Gaz. vol. 207; p. 736.
- Resilient wheel. P. F. Marcante. No. 1,093,448; Apr. 14; Gaz. vol. 201; p. 488.
- Resilient wheel. G. C. Moore. No. 1,087,038; Feb. 10; Gaz. vol. 199; p. 550.
- Resilient wheel. R. A. Nicholson. No. 1,087,391; Feb. 17; Gaz. vol. 199; p. 727.
- Resilient wheel. E. A. Palmer. No. 1,120,156; Dec. 8; Gaz. vol. 209; p. 469.
- Resilient wheel. R. T. Park. No. 1,113,244; Oct. 13; Gaz. vol. 207; p. 330.
- Resilient wheel. I. H. Parker. No. 1,118,306; Nov. 24; Gaz. vol. 208; p. 1108.
- Resilient wheel. H. C. Percy. No. 1,085,700; Feb. 3; Gaz. vol. 199; p. 42.
- Resilient wheel. E. A. Pierce. No. 1,095,416; May 5; Gaz. vol. 202; p. 83.
- Resilient wheel. B. R. Pilcher. No. 1,112,931; Oct. 6; Gaz. vol. 207; p. 181.
- Resilient wheel. W. S. Rait. No. 1,101,881; June 30; Gaz. vol. 203; p. 1393.
- Resilient wheel. W. H. Randall. No. 1,121,665; Dec. 22; Gaz. vol. 209; p. 1082.
- Resilient wheel. W. R. L. Ray. No. 1,098,759; June 2; Gaz. vol. 203; p. 137.
- Resilient wheel. E. Rose. No. 1,116,491; Nov. 10; Gaz. vol. 208; p. 391.

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- Resilient wheel. P. Tysseling. No. 1,113,514; Oct. 13; Gaz. vol. 207; p. 429.
- Resilient wheel. C. O. Vantrease. No. 1,097,829; May 26; Gaz. vol. 202; p. 1036.
- Resilient wheel. C. H. Weiskopf, Jr. No. 1,100,040; June 16; Gaz. vol. 203; p. 652.
- Resilient wheel. A. C. Whidden. No. 1,111,280; Sept. 22; Gaz. vol. 206; p. 980.
- Resilient wheel. A. C. Whidden. No. 1,111,281; Sept. 22; Gaz. vol. 206; p. 980.
- Resilient wheel. T. Yochum. No. 1,084,055; Jan. 13; Gaz. vol. 198; p. 294.
- Resilient wheel for road-vehicles. A. M. de Palacio y Garcia and S. Rubio. No. 1,083,892; Jan. 6; Gaz. vol. 198; p. 205.
- Resilient wheel for vehicles. G. H. Robinson. No. 1,090,087; Mar. 10; Gaz. vol. 200; p. 532.
- Resilient wheel, Non-puncturable. E. Keup. No. 1,085,435; Jan. 27; Gaz. vol. 198; p. 825.
- Resin, Pot for collecting. J. M. A. Brun and G. M. Dauris. No. 1,084,840; Jan. 20; Gaz. vol. 198; p. 586.
- Resinous composition. M. J. Callahan. No. 1,091,627; Mar. 31; Gaz. vol. 200; p. 1175.
- Resinous composition. M. J. Callahan. No. 1,108,331; Aug. 25; Gaz. vol. 205; p. 1101.
- Resinous composition and making the same. M. Callahan. No. 1,091,732; Mar. 31; Gaz. vol. 200; p. 1212.
- Resinous composition and making the same. M. J. Callahan. No. 1,108,332; Aug. 25; Gaz. vol. 205; p. 1101.
- Resinous condensation product. M. J. Callahan. No. 1,091,628; Mar. 31; Gaz. vol. 200; p. 1175.
- Resinous condensation product. M. J. Callahan. No. 1,108,330; Aug. 25; Gaz. vol. 205; p. 1101.
- Resinous condensation product. E. S. Dawson, Jr. No. 1,085,112; Jan. 27; Gaz. vol. 198; p. 713.
- Resinous condensation product and making the same. W. C. Arsem. No. 1,098,776; June 2; Gaz. vol. 203; p. 142.
- Resinous condensation product and making the same. W. C. Arsem. No. 1,098,777; June 2; Gaz. vol. 203; p. 142.
- Resinous condensation product and making the same. K. B. Howell. No. 1,098,728; June 2; Gaz. vol. 203; p. 127.
- Resistance, Artificial. G. J. Gage. No. 1,105,070; July 28; Gaz. vol. 204; p. 1124.
- Resistance device, Variable. E. Weintraub. No. 1,110,848; Sept. 15; Gaz. vol. 206; p. 786.
- Resistance element. C. N. Moore. No. 1,107,233; Aug. 11; Gaz. vol. 205; p. 619.
- Resistance-grid. N. Wilkinson. No. 1,088,003; Feb. 24; Gaz. vol. 199; p. 986.
- Resistance-indicator. J. V. Dorr. No. 1,106,865; Aug. 11; Gaz. vol. 205; p. 491.
- Resistance repeater, Negative. H. D. Arnold. No. 1,118,176; Nov. 24; Gaz. vol. 208; p. 1063.
- Resistance set. I. B. Smith. No. 1,104,841; July 28; Gaz. vol. 204; p. 1045.
- Resistance unit. J. B. Opsahl. No. 1,086,726; Feb. 10; Gaz. vol. 199; p. 445.
- Resistance unit. H. J. Wiegand. No. 1,120,259; Dec. 8; Gaz. vol. 209; p. 505.
- Resistance unit. A. A. Ziegler. No. 1,115,647; Nov. 3; Gaz. vol. 208; p. 61.
- Resistance unit for controllers. H. W. Cheney. No. 1,094,121; Apr. 21; Gaz. vol. 201; p. 753.
- Respiration apparatus, Smoke-mask for. A. B. Dräger. No. 1,105,127; July 28; Gaz. vol. 204; p. 1143.
- Respirator. W. S. Pollard. No. 1,111,858; Sept. 29; Gaz. vol. 206; p. 1218.
- Restraining device. C. Kachelmeier. No. 1,093,992; Apr. 21; Gaz. vol. 201; p. 711.
- Resurfacing-tool. J. H. Richardson. No. 1,083,297; Jan. 6; Gaz. vol. 198; p. 13.
- Resuscitating apparatus. C. H. Hammond. No. 1,087,942; Feb. 24; Gaz. vol. 199; p. 964.
- Retaining device. E. C. Gundelach. No. 1,114,469; Oct. 20; Gaz. vol. 207; p. 805.
- Retaining device. A. Q. Walsh. No. 1,091,262; Mar. 24; Gaz. vol. 200; p. 1011.
- Retort. R. G. Stiles. No. 1,117,923; Nov. 17; Gaz. vol. 208; p. 935.
- Retort. H. W. Webster. No. 1,084,679; Jan. 20; Gaz. vol. 198; p. 530.
- Retort bench, Regenerative. R. B. Brown. No. 1,094,523; Apr. 28; Gaz. vol. 201; p. 948.
- Retort-discharging apparatus. A. Dobson. No. 1,121,551; Dec. 15; Gaz. vol. 209; p. 1006.
- Retort-discharging machine. J. J. Simmonds. No. 1,110,081; Sept. 8; Gaz. vol. 206; p. 474.
- Retort or still. J. H. Castona. No. 1,092,018; Mar. 31; Gaz. vol. 200; p. 1309.
- Retort-press. C. A. Wettengel. No. 1,112,103; Sept. 29; Gaz. vol. 206; p. 1299.
- Retorts, Apparatus for discharging vertical. H. Koppers. No. 1,093,936; Apr. 21; Gaz. vol. 201; p. 692.
- Retorts, Discharging device for vertical. P. Plantinga. No. 1,109,544; Sept. 1; Gaz. vol. 206; p. 240.
- Retorts or similar vessels, Counterbalanced door or cover for. R. G. Stiles. No. 1,115,346; Oct. 27; Gaz. vol. 207; p. 1162.
- Return-book, Automatic. H. L. Flanary. No. 1,096,498; May 12; Gaz. vol. 202; p. 487.
- Reversed images, Apparatus for reading. W. F. Folmer. No. 1,089,917; Mar. 10; Gaz. vol. 200; p. 475.
- Reversible pot. C. G. Overmyer. No. 1,097,932; May 26; Gaz. vol. 202; p. 1074.
- Reversing mechanism. W. A. E. Henrici. No. 1,088,660; Feb. 24; Gaz. vol. 199; p. 1206.
- Reversing mechanism. W. A. E. Henrici. No. 1,107,943; Aug. 18; Gaz. vol. 205; p. 916.
- Reversing mechanism. A. P. Quarnstrom. No. 1,115,568; Nov. 3; Gaz. vol. 208; p. 34.
- Reversing mechanism. F. Tschudy. No. 1,112,101; Sept. 29; Gaz. vol. 206; p. 1298.
- Reversing-switch. T. B. Elliott. No. 1,084,077; Jan. 13; Gaz. vol. 198; p. 301.
- Reversing-switch. W. S. Morse. No. 1,103,154; July 14; Gaz. vol. 204; p. 373.
- Reversing-switch, Automatic. A. H. Fox and A. W. Linderoth. No. 1,103,405; July 14; Gaz. vol. 204; p. 456.
- Revoluble office-chair. J. M. Germanson. No. 1,107,780; Aug. 18; Gaz. vol. 205; p. 862.
- Revolutions of a rotary body, Mechanism for totaling the number of. V. A. Zipser. No. 1,100,278; June 16; Gaz. vol. 203; p. 736.
- Revolver-holster, Woven. V. H. Jennings. No. 1,102,195; June 30; Gaz. vol. 203; p. 1505.
- Revolving screen. F. Spencer, Jr. No. 1,088,303; Feb. 24; Gaz. vol. 199; p. 1089.
- Revolving table. W. B. Gage. No. 1,114,129; Oct. 20; Gaz. vol. 207; p. 682.
- Rewinder. S. Poland. No. 1,108,619; Aug. 25; Gaz. vol. 205; p. 1201.
- Rewinding device. W. R. Schwab. No. 1,115,586; Nov. 3; Gaz. vol. 208; p. 40.
- Rewinding mechanism. I. F. Manny. No. 1,092,154; Apr. 7; Gaz. vol. 201; p. 10.
- Rheostat. A. I. Grabham. No. 1,098,718; June 2; Gaz. vol. 203; p. 124.
- Rheostat. J. A. McCoy, Jr. No. 1,099,071; June 2; Gaz. vol. 203; p. 239.
- Rheostat. L. L. Tatum. No. 1,112,169; Sept. 29; Gaz. vol. 206; p. 1322.
- Rheostat. L. L. Tatum. No. 1,112,170; Sept. 29; Gaz. vol. 206; p. 1322.
- Rheostat. H. J. Wiegand. No. 1,092,880; Apr. 14; Gaz. vol. 201; p. 295.
- Rheostat. N. Wilkinson. No. 1,086,109; Feb. 3; Gaz. vol. 199; p. 191.
- Rheostat, Compression-. P. J. Ray. No. 1,092,952; Apr. 14; Gaz. vol. 201; p. 319.
- Rheostat, Fluid-. A. Simon. No. 1,112,165; Sept. 29; Gaz. vol. 206; p. 1320.
- Rheostat for welding apparatus, Portable. J. M. Yount. (Reissue). No. 13,739; May 26; Gaz. vol. 202; p. 1229.
- Rheostat, Motor-starting. G. M. Johns. No. 1,117,191; Nov. 17; Gaz. vol. 208; p. 680.
- Rheostat-resistance-element frame. J. T. Skinner. No. 1,121,769; Dec. 22; Gaz. vol. 209; p. 1118.
- Ribbon device. W. F. Sprick. No. 1,087,197; Feb. 17; Gaz. vol. 199; p. 657.
- Ribbon-feeding mechanism. W. R. Allen. No. 1,114,327; Oct. 20; Gaz. vol. 207; p. 753.
- Ribbon-feeding mechanism, Compensating device for. G. T. Trundle. No. 1,115,991; Nov. 3; Gaz. vol. 208; p. 179.
- Ribbon-inking machine. W. H. Cotton. No. 1,094,533; Apr. 28; Gaz. vol. 201; p. 951.
- Ribbon-inking machine. W. H. Cotton. No. 1,095,454; May 5; Gaz. vol. 202; p. 96.
- Ribbon mechanism. E. R. Goll. No. 1,094,649; Apr. 28; Gaz. vol. 201; p. 994.
- Ribbon mechanism. M. W. Hazen. No. 1,121,097; Dec. 15; Gaz. vol. 209; p. 850.
- Ribbon mechanism. J. Keller. No. 1,101,633; June 30; Gaz. vol. 203; p. 1308.
- Ribbon-package. P. Gardner. No. 1,112,062; Sept. 29; Gaz. vol. 206; p. 1284.
- Ribbon-reversing mechanism, Automatic. R. C. Little. No. 1,114,494; Oct. 20; Gaz. vol. 207; p. 815.
- Ribbon-reviver. J. H. Axline. No. 1,111,727; Sept. 29; Gaz. vol. 206; p. 1167.
- Ribbon winding and reversing mechanism. W. J. Burchett. No. 1,089,042; Mar. 3; Gaz. vol. 200; p. 125.
- Rice hulling and polishing machine. E. C. Engelberg. No. 1,105,635; Aug. 4; Gaz. vol. 205; p. 17.
- Rice, Sterilizing and packaging. W. S. Davis, Jr. No. 1,094,197; Apr. 21; Gaz. vol. 201; p. 780.
- Ridge-cap. W. F. Norman. No. 1,090,334; Mar. 17; Gaz. vol. 200; p. 659.
- Ridging device. L. Willis. No. 1,118,089; Nov. 24; Gaz. vol. 208; p. 1034.
- Rifle and amalgamator-box. C. H. Oders. No. 1,097,352; May 19; Gaz. vol. 202; p. 827.
- Rifle-box. K. F. Nelson. No. 1,104,919; July 28; Gaz. vol. 204; p. 1073.

Alphabetical list of inventions—Continued.

- Rifle, Automatic. C. A. Nelson and C. W. Lang. No. 1,100,766; June 23; Gaz. vol. 203; p. 955.
- Rifle, Recoil-loading. G. John. No. 1,121,633; Dec. 22; Gaz. vol. 209; p. 1071.
- Rifle, Repeating. J. W. Montague. No. 1,121,526; Dec. 15; Gaz. vol. 209; p. 996.
- Rifle, Repeating. O. A. Vogel. No. 1,103,715; July 14; Gaz. vol. 204; p. 568.
- Rifle, Repeating air-. A. Eck. No. 1,088,689; Mar. 3; Gaz. vol. 200; p. 7.
- Rifles, Device for loading magazine-. R. J. Petersen. No. 1,088,925; Mar. 3; Gaz. vol. 200; p. 86.
- Rigging coupling-link. T. Chigris. No. 1,108,337; Aug. 25; Gaz. vol. 205; p. 1103.
- Rigid element. C. R. Harris. No. 1,093,267; Apr. 14; Gaz. vol. 201; p. 428.
- Rim-cementing apparatus. C. W. McLaughlin. No. 1,098,951; June 2; Gaz. vol. 203; p. 202.
- Rim construction, Removable. J. C. Cole. No. 1,119,067; Dec. 1; Gaz. vol. 209; p. 60.
- Rim construction, Split-. F. and N. M. Spranger. No. 1,088,108; Feb. 24; Gaz. vol. 199; p. 1023.
- Rim-contractor. G. P. Meyers. No. 1,108,774; Aug. 25; Gaz. vol. 205; p. 1252.
- Rim, Demountable. J. A. Anglada. No. 1,087,628; Feb. 17; Gaz. vol. 199; p. 810.
- Rim, Demountable. A. R. Behnke. No. 1,093,375; Apr. 14; Gaz. vol. 201; p. 465.
- Rim, Demountable. J. C. Cole. No. 1,114,965; Oct. 27; Gaz. vol. 207; p. 1030.
- Rim, Demountable. J. Craig. No. 1,085,324; Jan. 27; Gaz. vol. 198; p. 788.
- Rim, Demountable. S. E. Eddy. No. 1,100,719; June 23; Gaz. vol. 203; p. 940.
- Rim, Demountable. C. S. Goodfellow. No. 1,099,173; June 9; Gaz. vol. 203; p. 318.
- Rim, Demountable. C. G. Hawley and E. K. Baker. No. 1,095,996; May 5; Gaz. vol. 202; p. 279.
- Rim, Demountable. L. J. D. Healy. No. 1,100,875; June 23; Gaz. vol. 203; p. 994.
- Rim, Demountable. L. M. Hoverson. No. 1,113,899; Oct. 13; Gaz. vol. 207; p. 562.
- Rim, Demountable. H. B. Keiper. No. 1,097,550; May 19; Gaz. vol. 202; p. 893.
- Rim, Demountable. F. H. Moyer. No. 1,116,723; Nov. 10; Gaz. vol. 208; p. 476.
- Rim, Demountable. C. J. Severson. No. 1,113,497; Oct. 13; Gaz. vol. 207; p. 423.
- Rim, Demountable. S. E. Siggelkow. No. 1,106,980; Aug. 11; Gaz. vol. 205; p. 531.
- Rim fixture, Detachable flush-. P. Haas. No. 1,107,515; Aug. 18; Gaz. vol. 205; p. 767.
- Rim-locking device, Demountable-. H. C. Ford. No. 1,086,760; Feb. 10; Gaz. vol. 199; p. 458.
- Rim-retaining device, Demountable-. R. B. Robinson. No. 1,106,890; Aug. 11; Gaz. vol. 205; p. 500.
- Rim, Separable. H. B. Keiper. No. 1,097,444; May 19; Gaz. vol. 202; p. 857.
- Rim-spreader. G. E. Powers. No. 1,121,396; Dec. 15; Gaz. vol. 209; p. 952.
- Rim with movable bottom. M. Wolff. No. 1,084,518; Jan. 13; Gaz. vol. 198; p. 445.
- Rims, Device for breaking and locking. E. Weiser. No. 1,120,257; Dec. 8; Gaz. vol. 209; p. 505.
- Ring- See Baking-ring; Button-ring; Clamping-ring; Emblem-ring; Finger-ring; Gymnasium-ring; Key-ring; Lap-ring; Locking-ring; Memory-ring; Oil-ring; Packing-ring; Pipe-coupling clamping-ring; Piston-ring; Rein-ring; Sealing-ring; Shaft-wiping ring; Spinning-ring; Teething-ring; Ventilator-ring; Wear-ring.
- Ring attachment, Finger-. B. Holzel. No. 1,106,814; Aug. 11; Gaz. vol. 205; p. 473.
- Ring-cutting machine. J. Merritt and W. H. Honiss. No. 1,086,606; Feb. 10; Gaz. vol. 199; p. 405.
- Ring-forming apparatus. H. Henrich. No. 1,105,559; July 28; Gaz. vol. 204; p. 1297.
- Ring-forming apparatus. H. Henrich. No. 1,105,560; July 28; Gaz. vol. 204; p. 1297.
- Ring guard, Finger-. C. S. Applas. No. 1,115,764; Nov. 3; Gaz. vol. 208; p. 100.
- Ring-setting. H. A. Davidson. No. 1,109,403; Sept. 1; Gaz. vol. 206; p. 195.
- Ring-traveler. W. T. Lancaster. No. 1,121,378; Dec. 15; Gaz. vol. 209; p. 946.
- Rings, Apparatus for making molds for. G. E. Burns. No. 1,097,749; May 26; Gaz. vol. 202; p. 1008.
- Rings, Machine for rolling finger-. H. Henrich. No. 1,094,145; Apr. 21; Gaz. vol. 201; p. 762.
- Rings, Means for casting finger-. F. H. Curl. No. 1,115,905; Nov. 3; Gaz. vol. 208; p. 149.
- Ringer and secret-service device. J. G. and C. A. Neff. No. 1,108,847; Aug. 25; Gaz. vol. 205; p. 1278.
- Ringer, Biased polarized. W. Kaisling. No. 1,102,415; July 7; Gaz. vol. 204; p. 68.
- Ring-key, Indicating. E. B. Craft. No. 1,086,029; Feb. 3; Gaz. vol. 199; p. 161.
- Ring-key, Party-line. A. J. Carter. No. 1,099,164; June 9; Gaz. vol. 203; p. 315.
- Rink. E. Arnold. No. 1,094,411; Apr. 28; Gaz. vol. 201; p. 909.
- Ripener and pasteurizer. T. L. Valerius. No. 1,086,629; Feb. 10; Gaz. vol. 199; p. 412.
- Ripper and case, Safety. H. A. Smith. No. 1,104,563; July 21; Gaz. vol. 204; p. 902.
- Rivet. C. S. Eaton. No. 1,120,378; Dec. 8; Gaz. vol. 209; p. 548.
- Rivet. H. H. Herkens. No. 1,092,362; Apr. 7; Gaz. vol. 201; p. 82.
- Rivet-cloth. J. T. Rutledge. No. 1,106,060; Aug. 4; Gaz. vol. 205; p. 166.
- Rivet-head-cutting machine. W. M. Taylor. No. 1,115,348; Oct. 27; Gaz. vol. 207; p. 1163.
- Rivet-holding device. D. C. Dowdy. No. 1,105,892; Aug. 4; Gaz. vol. 205; p. 106.
- Rivet-set retainer. A. Levedahl and R. A. Norling. No. 1,105,669; Aug. 4; Gaz. vol. 205; p. 29.
- Rivet-setting machine. D. C. Sassemann. No. 1,116,849; Nov. 10; Gaz. vol. 208; p. 522.
- Riveters and similar tools, Attachment for pneumatic. H. B. Griner. No. 1,097,545; May 19; Gaz. vol. 202; p. 891.
- Riveters, Attachment for pneumatic. H. B. Griner. No. 1,098,249; May 26; Gaz. vol. 202; p. 1182.
- Riveting apparatus, Electric. F. P. Kobert. No. 1,096,921; May 19; Gaz. vol. 202; p. 674.
- Riveting-machine. F. Glader. No. 1,122,496; Dec. 29; Gaz. vol. 209; p. 1407.
- Riveting-machine. M. Sklovsky and G. W. Mixter. No. 1,116,747; Nov. 10; Gaz. vol. 208; p. 484.
- Riveting-machine. C. Snodgrass. No. 1,089,281; Mar. 3; Gaz. vol. 200; p. 208.
- Riveting machinery. M. C. Jackson. No. 1,113,900; Oct. 13; Gaz. vol. 207; p. 562.
- Riveting-tool. U. G. Detwiler. No. 1,100,230; June 16; Gaz. vol. 203; p. 719.
- Road-bed and making same. B. F. Richardson. No. 1,105,580; July 28; Gaz. vol. 204; p. 1304.
- Road-bed, Composition. F. P. Gilbert. No. 1,099,697; June 9; Gaz. vol. 203; p. 500.
- Road-bed construction. A. Goodell, Jr. No. 1,118,853; Nov. 24; Gaz. vol. 208; p. 1299.
- Road-beds and pavements, Making. J. A. Johnston. No. 1,102,927; July 7; Gaz. vol. 204; p. 244.
- Road-beds, Drainage plant for. K. Scheuermann. No. 1,108,852; Aug. 25; Gaz. vol. 205; p. 1280.
- Road breaking or scarifying device. C. M. Brown and F. Garver. No. 1,095,376; May 5; Gaz. vol. 202; p. 70.
- Road-dresser. H. L. Eggleston. No. 1,107,770; Aug. 18; Gaz. vol. 205; p. 859.
- Road-leveling device. N. S. Monroe. (Reissue.) No. 13,708; Mar. 31; Gaz. vol. 200; p. 1350.
- Road-machine. J. Brophy. No. 1,103,936; July 21; Gaz. vol. 204; p. 684.
- Road-machine. O. A. Moody. No. 1,089,427; Mar. 10; Gaz. vol. 200; p. 304.
- Road-machine. M. M. Sickler. No. 1,107,186; Aug. 11; Gaz. vol. 205; p. 602.
- Road-making machinery. W. Cooper. No. 1,117,333; Nov. 17; Gaz. vol. 208; p. 731.
- Road-making material. G. Sprung. No. 1,091,777; Mar. 31; Gaz. vol. 200; p. 1228.
- Road-repairing machine. J. Isom, Jr. No. 1,113,443; Oct. 13; Gaz. vol. 207; p. 404.
- Road-roller. O. A. Schameil. No. 1,102,443; July 7; Gaz. vol. 204; p. 78.
- Road-roller. L. B. Webster. No. 1,120,427; Dec. 8; Gaz. vol. 209; p. 565.
- Road-roller. K. Zawadzinski. No. 1,088,509; Feb. 24; Gaz. vol. 199; p. 1157.
- Road-smoother. E. McKean. No. 1,092,280; Apr. 7; Gaz. vol. 201; p. 55.
- Road-surfacing machine. T. J. McDonald. No. 1,089,145; Mar. 3; Gaz. vol. 200; p. 164.
- Road-surfacing machine. V. V. Messer. No. 1,084,810; Jan. 20; Gaz. vol. 198; p. 575.
- Road-sweeping machine. C. R. Prosser. No. 1,097,936; May 26; Gaz. vol. 202; p. 1075.
- Road-wheel of automobiles and the like. G. W. and E. F. Goodyear. No. 1,105,646; Aug. 4; Gaz. vol. 205; p. 21.
- Roads for covering the same with poured asphalt, Machine for heating the surface of. A. Grasso. No. 1,122,384; Dec. 29; Gaz. vol. 209; p. 1369.
- Roads, Liquid-hydrocarbon distributor for. D. Schoentag and E. J. Latus. No. 1,114,919; Oct. 27; Gaz. vol. 207; p. 1015.
- Roads, Machine for applying bituminous materials and the like to. E. C. and F. D. Perry. No. 1,113,139; Oct. 6; Gaz. vol. 207; p. 250.
- Roads, Sliding track for skip-. O. Lieber and C. A. Gibbs. No. 1,093,708; Apr. 21; Gaz. vol. 201; p. 618.
- Roads, Treating. W. H. Schoonmaker. No. 1,114,189; Oct. 20; Gaz. vol. 207; p. 705.
- Roadway, Asphaltic. E. M. Chadbourne. No. 1,085,667; Feb. 3; Gaz. vol. 199; p. 31.
- Roadway construction. T. H. Flère. No. 1,118,756; Nov. 24; Gaz. vol. 208; p. 1266.
- Roaster. See Coffee-roaster; Ore-roaster; Self-basting roaster.
- Roaster. H. L. Happer. No. 1,092,258; Apr. 7; Gaz. vol. 201; p. 45.

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- Roaster. R. Holman. No. 1,111,460; Sept. 22; Gaz. vol. 206; p. 1040.
- Roaster. R. Holman. No. 1,111,461; Sept. 22; Gaz. vol. 206; p. 1041.
- Roaster and broiler. A. Day. No. 1,085,671; Feb. 3; Gaz. vol. 199; p. 33.
- Roasting and smelting furnace, Combined. W. R. Heslewood. No. 1,121,559; Dec. 15; Gaz. vol. 209; p. 1009.
- Roasting apparatus. T. A. Nissinen. No. 1,086,843; Feb. 10; Gaz. vol. 199; p. 488.
- Roasting apparatus, Quick-. W. Kirsch. No. 1,122,610; Dec. 29; Gaz. vol. 209; p. 1447.
- Roasting-furnace. K. J. Beskow and A. Ramén. No. 1,104,288; July 21; Gaz. vol. 204; p. 804.
- Roasting-furnace. J. B. F. Herreshoff. No. 1,085,419; Jan. 27; Gaz. vol. 198; p. 820.
- Roasting-furnace. F. Laist. No. 1,114,371; Oct. 20; Gaz. vol. 207; p. 768.
- Roasting-furnace. A. Zavelberg. No. 1,107,006; Aug. 11; Gaz. vol. 205; p. 538.
- Roasting-furnace shaft. H. H. Stout. No. 1,119,325; Dec. 1; Gaz. vol. 209; p. 146.
- Robe, Combination sleeping-. F. E. Bissell and P. K. Karberg. No. 1,112,759; Oct. 6; Gaz. vol. 207; p. 124.
- Rock-crusher. S. C. Arnold. No. 1,109,158; Sept. 1; Gaz. vol. 206; p. 106.
- Rock-crusher, Gyratory. A. Washburne. No. 1,087,204; Feb. 17; Gaz. vol. 199; p. 660.
- Rock-crusher, Multiple-compartment. J. G. Kirksey. No. 1,096,307; May 12; Gaz. vol. 202; p. 423.
- Rock-cutter, Rotary. J. W. Cook. No. 1,083,666; Jan. 6; Gaz. vol. 198; p. 135.
- Rock-drill. J. H. Baldwin and F. P. Darte. No. 1,101,387; June 23; Gaz. vol. 203; p. 1170.
- Rock-drill. G. J. Beaudin. No. 1,106,537; Aug. 11; Gaz. vol. 205; p. 376.
- Rock-drill. J. T. Curnow. No. 1,102,012; June 30; Gaz. vol. 203; p. 1441.
- Rock-drill. H. Edgar. No. 1,088,334; Feb. 24; Gaz. vol. 199; p. 1100.
- Rock-drill. D. T. Fisher. No. 1,093,120; Apr. 14; Gaz. vol. 201; p. 377.
- Rock-drill. L. W. Greve. No. 1,100,071; June 16; Gaz. vol. 203; p. 664.
- Rock-drill. C. H. Locher. No. 1,089,930; Mar. 10; Gaz. vol. 200; p. 481.
- Rock-drill. J. Morrow. No. 1,113,467; Oct. 13; Gaz. vol. 207; p. 412.
- Rock-drill. J. J. Purcell. No. 1,109,782; Sept. 8; Gaz. vol. 206; p. 367.
- Rock-drill. M. Smith. No. 1,116,146; Nov. 3; Gaz. vol. 208; p. 233.
- Rock-drill. D. S. Waugh. No. 1,112,398; Sept. 29; Gaz. vol. 206; p. 1403.
- Rock-drill. D. S. Waugh. No. 1,114,949; Oct. 27; Gaz. vol. 207; p. 1025.
- Rock-drill. C. E. Youmans. No. 1,092,886; Apr. 14; Gaz. vol. 201; p. 296.
- Rock-drill chuck. J. C. H. Vaught. No. 1,083,310; Jan. 6; Gaz. vol. 198; p. 18.
- Rock-drill, Machine. T. A. Sone. No. 1,118,692; Nov. 24; Gaz. vol. 208; p. 1246.
- Rock-drill, Pneumatic. T. J. Barbre. No. 1,092,237; Apr. 7; Gaz. vol. 201; p. 38.
- Rock-drill, Pneumatic. G. A. Orr. No. 1,099,994; June 16; Gaz. vol. 203; p. 637.
- Rock-drill, Pneumatic. C. J. Smith. No. 1,086,625; Feb. 10; Gaz. vol. 199; p. 411.
- Rock-drills and for general forging, Machine for making and sharpening. C. Brown. No. 1,098,474; June 2; Gaz. vol. 203; p. 41.
- Rock-drills, Dust-remover for. V. P. Kessel. No. 1,084,152; Jan. 13; Gaz. vol. 198; p. 326.
- Rock-drills, Post-collar for. R. Nettell. No. 1,085,467; Jan. 27; Gaz. vol. 198; p. 835.
- Rock-drills, Rotating means for. D. S. Waugh. No. 1,084,183; Jan. 13; Gaz. vol. 198; p. 337.
- Rock-drilling apparatus. C. H. Locher. No. 1,092,583; Apr. 7; Gaz. vol. 201; p. 159.
- Rock-drilling machine. F. Bade. No. 1,087,706; Feb. 17; Gaz. vol. 199; p. 838.
- Rock-drilling machine. W. S. Benjamin. No. 1,087,632; Feb. 17; Gaz. vol. 199; p. 812.
- Rock-drilling machine. C. C. Hansen. No. 1,088,984; Mar. 3; Gaz. vol. 200; p. 107.
- Rock-drilling machine. C. C. Hansen. No. 1,097,224; May 19; Gaz. vol. 202; p. 782.
- Rock-drilling machine. C. C. Hansen. No. 1,097,225; May 19; Gaz. vol. 202; p. 782.
- Rock-gatherer. D. B. Hannan. No. 1,116,885; Nov. 10; Gaz. vol. 208; p. 534.
- Rock trap, Blue-. D. Best. No. 1,093,524; Apr. 14; Gaz. vol. 201; p. 510.
- Rocker and cradle, Combined. J. Stocker. No. 1,086,951; Feb. 10; Gaz. vol. 199; p. 523.
- Rocket apparatus. R. H. Goddard. No. 1,102,653; July 7; Gaz. vol. 204; p. 152.
- Rocket apparatus. R. H. Goddard. No. 1,102,653; July 14; Gaz. vol. 204; p. 489.
- Rod; See Automobile distance-rod; Connecting-rod; Curtain-rod; Extension-rod; Fish-rod; Fishing-rod; Invoice-rod; Lightning-rod; Piston-rod; Railway stay-rod; Reinforcing-rod; Steering reach-rod; Sucker-rod; Switch-rod.
- Rod-clamp. J. J. Ripper. No. 1,083,858; Jan. 6; Gaz. vol. 198; p. 195.
- Rod-extractor. F. S. James. No. 1,107,955; Aug. 18; Gaz. vol. 205; p. 919.
- Rod or pipe clamp. J. A. Hardman. No. 1,100,299; June 16; Gaz. vol. 203; p. 744.
- Rod or pipe clamp. S. J. Rielly. No. 1,088,182; Feb. 24; Gaz. vol. 199; p. 1048.
- Rods and pipes, Machine for straightening. P. B. Abramson. No. 1,097,281; May 19; Gaz. vol. 202; p. 802.
- Rods, Attachment for cleaning-. C. P. Mickelson. No. 1,107,688; Aug. 18; Gaz. vol. 205; p. 829.
- Rods, Forming headed. A. Bayton. No. 1,106,860; Aug. 11; Gaz. vol. 205; p. 490.
- Rodent-extermicator. C. J. Sill. No. 1,113,842; Oct. 13; Gaz. vol. 207; p. 543.
- Roentgen rays, Process and apparatus for producing. J. E. Lillienfeld. No. 1,122,011; Dec. 22; Gaz. vol. 209; p. 1205.
- Roll. C. O. C. Pack. No. 1,104,270; July 21; Gaz. vol. 204; p. 797.
- Roll. H. Parker. No. 1,100,090; June 16; Gaz. vol. 203; p. 671.
- Roll-adjusting mechanism. E. A. Wall. No. 1,088,116; Feb. 24; Gaz. vol. 199; p. 1025.
- Roll-adjusting mechanism. E. A. Wall. No. 1,103,113; July 14; Gaz. vol. 204; p. 358.
- Roll, Card-clothed. B. C. Calderwood. No. 1,084,786; Jan. 20; Gaz. vol. 198; p. 568.
- Roll-crusher. R. C. Newhouse. No. 1,086,842; Feb. 10; Gaz. vol. 199; p. 487.
- Roll-grading machine. J. C. Bell. No. 1,104,727; July 21; Gaz. vol. 204; p. 957.
- Roll-holder. C. W. Smith. No. 1,086,946; Feb. 10; Gaz. vol. 199; p. 522.
- Roll-polisher. J. Daniels and W. I. Silvis. No. 1,122,369; Dec. 29; Gaz. vol. 209; p. 1364.
- Roll polishing and grinding device. H. K. Collins, Sr. No. 1,086,806; Feb. 10; Gaz. vol. 199; p. 475.
- Roll ramming apparatus. J. L. Hurley. No. 1,088,424; Feb. 24; Gaz. vol. 199; p. 1129.
- Roll-ramming apparatus. H. P. Macdonald. No. 1,084,157; Jan. 13; Gaz. vol. 198; p. 328.
- Roll ramming apparatus. H. P. Macdonald. No. 1,092,844; Apr. 14; Gaz. vol. 201; p. 283.
- Roll-ramming apparatus. H. P. Macdonald and H. C. Parker. No. 1,086,064; Feb. 3; Gaz. vol. 199; p. 175.
- Roll ramming apparatus. H. P. Macdonald and H. C. Parker. No. 1,094,157; Apr. 21; Gaz. vol. 201; p. 767.
- Roll-splitting device. P. J. Collins. No. 1,098,941; June 2; Gaz. vol. 203; p. 199.
- Rolls, Making chilled. E. L. Patch. No. 1,084,105; Jan. 13; Gaz. vol. 198; p. 311.
- Rolls, Support and guide for fancy-. A. H. Morton. No. 1,118,214; Nov. 24; Gaz. vol. 208; p. 1078.
- Rolls, Truing up and renewing leather-covered. J. B. Hudson. No. 1,118,862; Nov. 24; Gaz. vol. 208; p. 1302.
- Roller; See Cigarette-roller; Crushing-roller; Curtain-roller; Dough-roller; Feeding-roller; Land-roller; Lawn-roller; Metallic roller; Road-roller; Shade-roller.
- Roller. E. R. Bainter. No. 1,087,345; Feb. 17; Gaz. vol. 199; p. 710.
- Roller. W. Ware. No. 1,110,360; Sept. 15; Gaz. vol. 206; p. 614.
- Roller-finishing machine. R. Smith. No. 1,098,336; May 26; Gaz. vol. 202; p. 1214.
- Roller-mill. W. A. Dunn. No. 1,109,051; Sept. 1; Gaz. vol. 206; p. 69.
- Roller-mills, Apparatus for removing rolls from frames of. W. H. Ramage. No. 1,115,106; Oct. 27; Gaz. vol. 207; p. 1081.
- Roller-press for hides and skins. F. A. Bradford. No. 1,113,189; Oct. 13; Gaz. vol. 207; p. 311.
- Roller-rack. J. F. Johnson. No. 1,096,722; May 12; Gaz. vol. 202; p. 561.
- Roller raising and lowering device. A. H. Neller and A. F. Lagemann. No. 1,123,199; Dec. 29; Gaz. vol. 209; p. 1657.
- Roller release, Platen-. R. M. Mosher. No. 1,104,538; July 21; Gaz. vol. 204; p. 893.
- Roller-screen, Knockdown. W. W. Watson. No. 1,113,721; Oct. 13; Gaz. vol. 207; p. 500.
- Rollers, Handle-locking device for. G. E. Karl. No. 1,105,279; July 28; Gaz. vol. 204; p. 1197.
- Rolling cutter, Spring-tensioned. M. C. Thompson. No. 1,103,101; July 14; Gaz. vol. 204; p. 353.
- Rolling flanged shapes. E. E. Slick. No. 1,086,789; Feb. 10; Gaz. vol. 199; p. 468.
- Rolling ingots. T. Allderice. No. 1,121,154; Dec. 15; Gaz. vol. 209; p. 871.
- Rolling iron rods, Process of and apparatus for. H. Frasch. No. 1,118,275; Nov. 24; Gaz. vol. 208; p. 1098.
- Rolling-machine screen attachment. A. L. Lentz. No. 1,084,646; Jan. 20; Gaz. vol. 198; p. 518.

Alphabetical list of inventions—Continued.

- Rolling machine. Tube. G. J. Thust. No. 1,113,383; Oct. 13; Gaz. vol. 207; p. 382.
- Rolling-mill. C. E. Duncan. No. 1,109,211; Sept. 1; Gaz. vol. 206; p. 126.
- Rolling-mill. W. J. Halsall. No. 1,110,625; Sept. 15; Gaz. vol. 206; p. 708.
- Rolling-mill. J. Kennedy. No. 1,094,218; Apr. 21; Gaz. vol. 201; p. 787.
- Rolling-mill. R. Ludwig. No. 1,122,013; Dec. 22; Gaz. vol. 209; p. 1205.
- Rolling-mill. E. Thomas. No. 1,083,774; Jan. 6; Gaz. vol. 198; p. 170.
- Rolling-mill-adjusting mechanism, Cold-. P. R. Johnson and F. W. Lodding. No. 1,108,447; Aug. 25; Gaz. vol. 205; p. 1139.
- Rolling-mill apparatus. J. W. Sheperdson. No. 1,100,404; June 16; Gaz. vol. 203; p. 780.
- Rolling-mill appliance. A. Pisarcik. No. 1,084,107; Jan. 13; Gaz. vol. 198; p. 311.
- Rolling mill, Cross-. R. E. Brock. No. 1,115,495; Nov. 3; Gaz. vol. 208; p. 10.
- Rolling-mill driving mechanism. J. Kennedy. No. 1,112,220; Sept. 29; Gaz. vol. 206; p. 1340.
- Rolling-mill for sheet metal. J. M. Wetcke. No. 1,106,172; Aug. 4; Gaz. vol. 205; p. 205.
- Rolling-mill guide. J. W. Sheperdson. No. 1,110,463; Sept. 15; Gaz. vol. 206; p. 652.
- Rolling-mill mechanism. C. M. Grey. No. 1,089,126; Mar. 3; Gaz. vol. 200; p. 156.
- Rolling-mill or similar installation. W. R. Webster. No. 1,109,885; Sept. 8; Gaz. vol. 206; p. 405.
- Rolling-mill plant. V. E. Edwards. No. 1,104,349; July 21; Gaz. vol. 204; p. 826.
- Rolling-mill roller-table. H. A. Lewis. No. 1,114,621; Oct. 20; Gaz. vol. 207; p. 854.
- Rolling-mill spindle-coupling. C. H. Hunt. No. 1,115,433; Oct. 27; Gaz. vol. 207; p. 1193.
- Rolling-mill trains, Mechanical cooling-bed for. H. Schuberth. No. 1,115,869; Nov. 3; Gaz. vol. 208; p. 137.
- Rolling-mills and the like, Speed-controlling mechanism for. W. R. Clark. No. 1,108,971; Sept. 1; Gaz. vol. 206; p. 39.
- Rolling-mills, Automatic feed mechanism for. W. H. Forbes. No. 1,104,788; July 28; Gaz. vol. 204; p. 1026.
- Rolling mills, Constructing a transferring device for rod or wire. A. Schöpf and H. Mosaner. No. 1,089,502; Mar. 10; Gaz. vol. 200; p. 332.
- Rolling mills, Feed mechanism for tube-. H. Stütting. No. 1,092,084; Mar. 31; Gaz. vol. 200; p. 1331.
- Rolling-mills, Gear-drive for three-high. J. Kennedy. No. 1,112,218; Sept. 29; Gaz. vol. 206; p. 1340.
- Rolling rail-joint bars. W. J. Bradley. No. 1,094,053; Apr. 21; Gaz. vol. 201; p. 731.
- Rolling round bodies, Apparatus for cross-. L. D. Davis. No. 1,123,179; Dec. 29; Gaz. vol. 209; p. 1650.
- Rolling steel wheels and wheel-centers, Rolls for. C. A. Witter. No. 1,112,959; Oct. 6; Gaz. vol. 207; p. 191.
- Röntgen-ray apparatus. S. Cabot. No. 1,095,379; May 5; Gaz. vol. 202; p. 70.
- Röntgen tubes, Cooling device for. J. A. Mannheim. No. 1,095,121; Apr. 28; Gaz. vol. 201; p. 1157.
- Roof-asphalting machine. O. Jacobsen, S. Troy, and H. Kjeldsen. No. 1,121,728; Dec. 22; Gaz. vol. 209; p. 1104.
- Roof bracket or jack. O. Sehorn. No. 1,111,707; Sept. 22; Gaz. vol. 206; p. 1128.
- Roof-carline. W. H. V. Rosing. No. 1,098,687; June 2; Gaz. vol. 203; p. 113.
- Roof, Circular metal. C. W. Conner. No. 1,116,244; Nov. 3; Gaz. vol. 208; p. 265.
- Roof construction. F. G. Neal. No. 1,112,717; Oct. 6; Gaz. vol. 207; p. 109.
- Roof construction. W. D. Plue. No. 1,117,600; Nov. 17; Gaz. vol. 208; p. 822.
- Roof construction, Dome-. W. L. Hartnell. No. 1,099,599; June 9; Gaz. vol. 203; p. 465.
- Roof-edging. R. M. Hopkins. No. 1,090,985; Mar. 24; Gaz. vol. 200; p. 914.
- Roof-flashing insert. W. A. and F. G. Wittbecker. No. 1,091,611; Mar. 31; Gaz. vol. 200; p. 1170.
- Roof for haystacks and the like and its manufacture, Protecting-. F. Adamec. No. 1,106,353; Aug. 4; Gaz. vol. 205; p. 264.
- Roof for silos or the like. C. E. Martin. No. 1,096,442; May 12; Gaz. vol. 202; p. 468.
- Roof for silos or the like. C. E. Martin. No. 1,096,443; May 12; Gaz. vol. 202; p. 468.
- Roof or wall covering. G. F. Bishopric. No. 1,088,803; Mar. 3; Gaz. vol. 200; p. 44.
- Roof, Suspension-. C. Butler. No. 1,109,399; Sept. 1; Gaz. vol. 206; p. 193.
- Roofs, Mold for forming the lower section of Mansard. M. G. Gambsky. No. 1,119,818; Dec. 8; Gaz. vol. 209; p. 350.
- Roofs, Snow-guard for. A. Danzer. No. 1,095,822; May 5; Gaz. vol. 202; p. 221.
- Roofs, Temporary bracket for shingling. H. Widlund. No. 1,112,876; Oct. 6; Gaz. vol. 207; p. 163.
- Roofing. A. P. Bamberger and W. S. Guistwhite. No. 1,107,568; Aug. 18; Gaz. vol. 205; p. 786.
- Roofing. C. Russell. No. 1,087,321; Feb. 17; Gaz. vol. 199; p. 702.
- Roofing and siding material. J. R. Powell and B. G. Casler. No. 1,114,032; Oct. 20; Gaz. vol. 207; p. 646.
- Roofing, Composite. F. J. McClaskey. No. 1,110,330; Sept. 15; Gaz. vol. 206; p. 603.
- Roofing compound. J. Racz. No. 1,087,400; Feb. 17; Gaz. vol. 199; p. 729.
- Roofing, Fastening-strip for prepared. W. H. Woerheide. No. 1,101,896; June 30; Gaz. vol. 203; p. 1398.
- Roofing implement. J. N. Farnham. No. 1,085,030; Jan. 20; Gaz. vol. 198; p. 649.
- Roofing, Laying waterproof. F. C. Overbury. No. 1,102,680; July 7; Gaz. vol. 204; p. 160.
- Roofing, Machine for making metal-reinforced. F. J. Jewett. No. 1,105,277; July 28; Gaz. vol. 204; p. 1196.
- Roofing material and applying the same. E. B. Coburn. No. 1,100,955; June 23; Gaz. vol. 203; p. 1023.
- Roofing member. B. H. Gedge. No. 1,088,815; Mar. 3; Gaz. vol. 200; p. 47.
- Roofing member. B. H. Gedge. No. 1,119,946; Dec. 8; Gaz. vol. 209; p. 395.
- Roofing member. B. H. Gedge. No. 1,119,947; Dec. 8; Gaz. vol. 209; p. 395.
- Roofing, Metal-reinforced. H. R. Wardell. No. 1,096,579; May 12; Gaz. vol. 202; p. 514.
- Roofing-nails and nailing-strips, Machine for manufacturing. T. M. Vaughan. No. 1,119,553; Dec. 1; Gaz. vol. 209; p. 226.
- Roofing-plate, Sheet-metal. H. E. Moomaw. No. 1,090,330; Mar. 17; Gaz. vol. 200; p. 658.
- Roofing product and making the same, Waterproof. S. H. Goldberg. No. 1,113,116; Oct. 6; Gaz. vol. 207; p. 242.
- Roofing, Sheet-metal. E. W. Edwards. No. 1,091,049; Mar. 24; Gaz. vol. 200; p. 937.
- Roofing, Sheet-metal. J. F. Galbraith. No. 1,122,492; Dec. 29; Gaz. vol. 209; p. 1406.
- Roofing, Sheet-metal. E. R. Probert. No. 1,110,272; Sept. 8; Gaz. vol. 206; p. 543.
- Roofing, Sheet-metal. E. R. Probert. No. 1,121,594; Dec. 15; Gaz. vol. 209; p. 1021.
- Roofing-slats, Means for securing. L. Giannelli. No. 1,114,686; Oct. 20; Gaz. vol. 207; p. 877.
- Roofing-strips, Machine for making ornamental. A. S. Spiegel. No. 1,110,238; Sept. 8; Gaz. vol. 206; p. 532.
- Room, Collapsible. H. D. Wiard. No. 1,100,273; June 16; Gaz. vol. 203; p. 735.
- Roost and dropping-board for hen-houses. E. Perkins. No. 1,102,794; July 7; Gaz. vol. 204; p. 199.
- Roost, Bat-. C. A. R. Campbell. No. 1,083,318; Jan. 6; Gaz. vol. 198; p. 20.
- Roost, Chicken-. F. Schardt. No. 1,087,833; Feb. 17; Gaz. vol. 199; p. 880.
- Roost, Disinfecting poultry-. S. P. Hindley. No. 1,120,308; Dec. 8; Gaz. vol. 209; p. 523.
- Roosting device for fowls. W. Callaway. No. 1,109,612; Sept. 1; Gaz. vol. 206; p. 264.
- Root-cutter. D. N. Mustard. No. 1,120,227; Dec. 8; Gaz. vol. 209; p. 495.
- Root-shredder. C. N. Choate. No. 1,099,966; June 16; Gaz. vol. 203; p. 627.
- Rope belt, rope band, and the like. A. Luckwell. No. 1,106,658; Aug. 11; Gaz. vol. 205; p. 420.
- Rope carrier, Fall-. J. T. Horton. No. 1,108,368; Aug. 25; Gaz. vol. 205; p. 1113.
- Rope-clamp. P. Arbon. No. 1,083,478; Jan. 6; Gaz. vol. 198; p. 73.
- Rope-clamp. J. Blackburn. No. 1,090,377; Mar. 17; Gaz. vol. 200; p. 675.
- Rope-clamp. S. E. Ryder. No. 1,094,255; Apr. 21; Gaz. vol. 201; p. 799.
- Rope, &c., coupling. R. W. Douglas. No. 1,087,738; Feb. 17; Gaz. vol. 199; p. 849.
- Rope-drive elevator. G. John. No. 1,102,514; July 7; Gaz. vol. 204; p. 102.
- Rope-grip or jockey for mechanical haulage and the like. G. T. Cannon. No. 1,092,137; Apr. 7; Gaz. vol. 201; p. 5.
- Rope-gripping device. J. R. Davidson. No. 1,117,801; Nov. 17; Gaz. vol. 208; p. 896.
- Rope-lock for trunks, crates, and the like. J. J. A. Miller. No. 1,088,163; Feb. 24; Gaz. vol. 199; p. 1042.
- Rope-machine. G. Horn. No. 1,093,053; Apr. 14; Gaz. vol. 201; p. 353.
- Rope-machine. F. J. Weiser. No. 1,110,472; Sept. 15; Gaz. vol. 206; p. 655.
- Rope or cable lubricator. G. D. Smith. No. 1,102,965; July 7; Gaz. vol. 204; p. 257.
- Rope-socket. A. P. McBride. No. 1,094,668; Apr. 28; Gaz. vol. 201; p. 1002.
- Rope-socket. O. Schelling and A. A. Phillips. No. 1,090,570; Mar. 17; Gaz. vol. 200; p. 743.
- Rope-socket, Swivel. C. S. Wright. No. 1,112,513; Oct. 6; Gaz. vol. 207; p. 35.
- Rope-socket, Wire-line. J. Burns. No. 1,107,889; Aug. 18; Gaz. vol. 205; p. 898.
- Rope take-up. J. C. Williamson. No. 1,092,618; Apr. 7; Gaz. vol. 201; p. 171.
- Rope-thimble. C. C. Sunderland. No. 1,121,306; Dec. 15; Gaz. vol. 209; p. 921.

Alphabetical list of inventions—Continued.

- Rosin cake. D. C. Lohmann. No. 1,098,277; May 26; Gaz. vol. 202; p. 1194.
- Rosin from resinous wood, Extracting. F. E. Lichten-thaler. No. 1,104,912; July 28; Gaz. vol. 204; p. 1071.
- Rosin, Purifying. H. T. Yaryan. No. 1,120,007; Dec. 8; Gaz. vol. 209; p. 417.
- Rosin solutions, Preparing. H. Graf. No. 1,099,438; June 9; Gaz. vol. 203; p. 410.
- Rosin, Treating. F. E. Mariner. No. 1,114,278; Oct. 20; Gaz. vol. 207; p. 736.
- Rosin, Treating. F. E. Mariner. No. 1,117,584; Nov. 17; Gaz. vol. 208; p. 817.
- Rosinous preparation and producing the same, Adhesive. H. Wolff. No. 1,095,058; Apr. 28; Gaz. vol. 201; p. 1137.
- Rotary air-motor. L. Clawson. No. 1,115,397; Oct. 27; Gaz. vol. 207; p. 1180.
- Rotary bodies, Apparatus for indicating the displacement of. W. C. Reed. No. 1,098,760; June 2; Gaz. vol. 203; p. 137.
- Rotary carrier. E. McKenna. No. 1,099,186; June 9; Gaz. vol. 203; p. 322.
- Rotary combustion-engine. H. G. Kress. No. 1,109,341; Sept. 1; Gaz. vol. 206; p. 172.
- Rotary cutter. L. R. Applegate. No. 1,099,900; June 9; Gaz. vol. 203; p. 568.
- Rotary cutter. R. Kenny. No. 1,111,751; Sept. 29; Gaz. vol. 206; p. 1177.
- Rotary cutter. A. Latham. No. 1,104,910; July 28; Gaz. vol. 204; p. 1070.
- Rotary cutter. H. W. Stark and W. Knuts. No. 1,121,776; Dec. 22; Gaz. vol. 209; p. 1120.
- Rotary-cylinder engine. C. E. Frederickson. No. 1,088,017; Feb. 24; Gaz. vol. 199; p. 991.
- Rotary drier. W. E. Prindle. No. 1,098,402; June 2; Gaz. vol. 203; p. 16.
- Rotary drill. T. F. Litaker. No. 1,114,375; Oct. 20; Gaz. vol. 207; p. 769.
- Rotary drill. G. W. McAllister. No. 1,113,132; Oct. 6; Gaz. vol. 207; p. 248.
- Rotary drink-mixer. H. B. Queal. No. 1,119,370; Dec. 1; Gaz. vol. 209; p. 163.
- Rotary engine. F. A. Almy. No. 1,088,391; Feb. 24; Gaz. vol. 199; p. 1118.
- Rotary engine. T. W. Benson. No. 1,106,617; Aug. 11; Gaz. vol. 205; p. 405.
- Rotary engine. T. J. Biggs. No. 1,111,053; Sept. 22; Gaz. vol. 206; p. 901.
- Rotary engine. C. M. Burton and R. Gardner. No. 1,090,021; Mar. 10; Gaz. vol. 200; p. 510.
- Rotary engine. F. I. L. Bylger. No. 1,091,806; Mar. 31; Gaz. vol. 200; p. 1239.
- Rotary engine. F. Carter. No. 1,105,617; Aug. 4; Gaz. vol. 205; p. 10.
- Rotary engine. H. I. Cromer. No. 1,121,806; Dec. 22; Gaz. vol. 209; p. 1131.
- Rotary engine. H. Dock. No. 1,087,735; Feb. 17; Gaz. vol. 199; p. 849.
- Rotary engine. L. S. Flatau. No. 1,110,302; Sept. 8; Gaz. vol. 206; p. 555.
- Rotary engine. E. B. Gale. No. 1,095,843; May 5; Gaz. vol. 202; p. 228.
- Rotary engine. E. F. Girod. No. 1,093,584; Apr. 14; Gaz. vol. 201; p. 529.
- Rotary engine. H. E. Goldberg. No. 1,086,159; Feb. 3; Gaz. vol. 199; p. 206.
- Rotary engine. N. T. Hanson. No. 1,086,595; Feb. 10; Gaz. vol. 199; p. 401.
- Rotary engine. H. Harford. No. 1,091,132; Mar. 24; Gaz. vol. 200; p. 966.
- Rotary engine. J. R. Harper. No. 1,098,256; May 26; Gaz. vol. 202; p. 1185.
- Rotary engine. R. B. Hayden. No. 1,105,076; July 28; Gaz. vol. 204; p. 1127.
- Rotary engine. W. M. Hoffman. No. 1,084,635; Jan. 20; Gaz. vol. 198; p. 515.
- Rotary engine. L. Holt. No. 1,089,469; Mar. 10; Gaz. vol. 200; p. 319.
- Rotary engine. R. Kelly. No. 1,093,861; Apr. 21; Gaz. vol. 201; p. 667.
- Rotary engine. C. Lexa. No. 1,122,403; Dec. 29; Gaz. vol. 209; p. 1375.
- Rotary engine. C. Miller. No. 1,093,796; Apr. 21; Gaz. vol. 201; p. 644.
- Rotary engine. G. F. Moors. No. 1,121,653; Dec. 22; Gaz. vol. 209; p. 1078.
- Rotary engine. C. R. Ord. No. 1,104,539; July 21; Gaz. vol. 204; p. 894.
- Rotary engine. W. A. Reed. No. 1,115,569; Nov. 3; Gaz. vol. 208; p. 34.
- Rotary engine. C. A. Rhoades. No. 1,096,862; May 19; Gaz. vol. 202; p. 653.
- Rotary engine. S. E. Rose. No. 1,108,241; Aug. 25; Gaz. vol. 205; p. 1069.
- Rotary engine. E. B. Tree. No. 1,104,331; July 21; Gaz. vol. 204; p. 819.
- Rotary engine. W. D. Troutman. No. 1,083,710; Jan. 6; Gaz. vol. 198; p. 150.
- Rotary engine. R. S. Wilkie. No. 1,094,284; Apr. 21; Gaz. vol. 201; p. 807.
- Rotary engine, Hydraulic. W. F. Andrews. No. 1,106,023; Aug. 4; Gaz. vol. 205; p. 153.
- Rotary engine or pump. J. Nielsen. No. 1,105,449; July 28; Gaz. vol. 204; p. 1259.
- Rotary engine or pump, Horizontal. J. Nielsen. No. 1,088,836; Mar. 3; Gaz. vol. 200; p. 56.
- Rotary expansion-engine. R. Eisermann and J. Lehne. No. 1,089,752; Mar. 10; Gaz. vol. 200; p. 418.
- Rotary explosive-engine. J. D. Blayne. No. 1,095,074; Apr. 28; Gaz. vol. 201; p. 1142.
- Rotary explosive-engine. O. F. Edqvist. No. 1,108,980; Sept. 1; Gaz. vol. 206; p. 43.
- Rotary explosive engine or motor. A. K. Landsmann and F. Dippon. No. 1,093,056; Apr. 14; Gaz. vol. 201; p. 354.
- Rotary furnace or kiln. G. F. Downs. No. 1,121,906; Dec. 22; Gaz. vol. 209; p. 1167.
- Rotary gas-engine. O. F. Edqvist. No. 1,108,152; Aug. 25; Gaz. vol. 205; p. 1038.
- Rotary gas-engine. S. Heath. No. 1,112,905; Oct. 6; Gaz. vol. 207; p. 172.
- Rotary gas-engine. C. H. Hildreth and C. C. Daubenspeck. No. 1,113,993; Oct. 20; Gaz. vol. 207; p. 633.
- Rotary gas-engine. C. W. Morgan. No. 1,113,234; Oct. 13; Gaz. vol. 207; p. 329.
- Rotary gas-engine. C. T. Raule. No. 1,100,618; June 16; Gaz. vol. 203; p. 851.
- Rotary gas-engine, Multicylinder. F. Weinberg. No. 1,105,618; July 28; Gaz. vol. 204; p. 1141.
- Rotary handle. L. A. Cornelius. No. 1,100,286; June 16; Gaz. vol. 203; p. 739.
- Rotary hydrocarbon-engine. S. G. Stapp. No. 1,114,816; Oct. 27; Gaz. vol. 207; p. 977.
- Rotary inclosed engine. H. Heinrich. No. 1,118,344; Nov. 24; Gaz. vol. 208; p. 1123.
- Rotary internal-combustion engine. G. Bouret. No. 1,093,309; Apr. 14; Gaz. vol. 201; p. 444.
- Rotary internal-combustion engine. S. Diamant. No. 1,101,688; June 30; Gaz. vol. 203; p. 1326.
- Rotary internal-combustion engine. H. E. Elson. No. 1,116,809; Nov. 10; Gaz. vol. 208; p. 507.
- Rotary internal-combustion engine. M. A. T. Hoffmann. No. 1,121,628; Dec. 22; Gaz. vol. 209; p. 1069.
- Rotary internal-combustion engine. H. M. Jacklin. No. 1,095,730; May 5; Gaz. vol. 202; p. 190.
- Rotary internal-combustion engine. J. R. Jahn. No. 1,094,790; Apr. 28; Gaz. vol. 201; p. 1044.
- Rotary internal-combustion engine. W. O. Miller. No. 1,106,666; Aug. 11; Gaz. vol. 205; p. 422.
- Rotary internal-combustion engine. L. S. de Richelle. No. 1,087,259; Feb. 17; Gaz. vol. 199; p. 681.
- Rotary internal-combustion engine. A. Sanchez and C. Baradat. No. 1,095,034; Apr. 28; Gaz. vol. 201; p. 1129.
- Rotary internal-combustion engine. J. Schnitter. No. 1,112,844; Oct. 6; Gaz. vol. 207; p. 151.
- Rotary internal-combustion engine. S. Vincent. No. 1,112,734; Oct. 6; Gaz. vol. 207; p. 115.
- Rotary internal-combustion engine. J. A. Wallis, 2d. No. 1,109,270; Sept. 1; Gaz. vol. 206; p. 147.
- Rotary kiln. H. E. Rilsager. No. 1,103,381; July 14; Gaz. vol. 204; p. 449.
- Rotary kiln. A. Schäffer. No. 1,084,170; Jan. 13; Gaz. vol. 198; p. 333.
- Rotary mixer. O. J. Moussette. No. 1,091,752; Mar. 31; Gaz. vol. 200; p. 1219.
- Rotary motor. D. Crayssac. No. 1,120,034; Dec. 8; Gaz. vol. 209; p. 426.
- Rotary motor. E. E. Hauer. No. 1,102,742; July 7; Gaz. vol. 204; p. 182.
- Rotary motor. E. E. Hauer. No. 1,102,743; July 7; Gaz. vol. 204; p. 182.
- Rotary motor. E. E. Hauer. No. 1,102,746; July 7; Gaz. vol. 204; p. 183.
- Rotary motor. E. E. Hauer. No. 1,102,748; July 7; Gaz. vol. 204; p. 184.
- Rotary motor. E. E. Hauer. No. 1,102,749; July 7; Gaz. vol. 204; p. 184.
- Rotary motor. E. E. Hauer. No. 1,102,915; July 7; Gaz. vol. 204; p. 240.
- Rotary motor. W. N. Mears. No. 1,118,505; Nov. 24; Gaz. vol. 208; p. 1181.
- Rotary motor. C. F. Overly. No. 1,104,070; July 21; Gaz. vol. 204; p. 730.
- Rotary motor for driving tools. C. F. Overly. No. 1,104,071; July 21; Gaz. vol. 204; p. 731.
- Rotary press. C. Rach. No. 1,092,800; Apr. 7; Gaz. vol. 201; p. 232.
- Rotary reversible engine. G. A. Bjornson. No. 1,118,840; Nov. 24; Gaz. vol. 208; p. 1294.
- Rotary screen and separator. F. L. Walter. No. 1,088,117; Feb. 24; Gaz. vol. 199; p. 1026.
- Rotary steam-engine. H. Harford. No. 1,116,816; Nov. 10; Gaz. vol. 208; p. 510.
- Rotary steam-engine. J. C. Mathiesen. No. 1,106,882; Aug. 11; Gaz. vol. 205; p. 497.
- Rotary steam-engine. D. Taifirnopoulos. No. 1,119,549; Dec. 1; Gaz. vol. 209; p. 224.
- Rotary steam-engine. C. R. Underhill. No. 1,094,276; Apr. 21; Gaz. vol. 201; p. 805.

Alphabetical list of inventions—Continued.

- Rotary steam-engine. B. O. Walker. No. 1,106,997; Aug. 11; Gaz. vol. 205; p. 535.
- Rotatable motor. M. Schischmarew. No. 1,094,480; Apr. 28; Gaz. vol. 201; p. 934.
- Rotating bodies, Means for supporting rapidly-. P. T. Sundberg. No. 1,113,712; Oct. 13; Gaz. vol. 207; p. 496.
- Rotor and bucket. C. W. Dake. No. 1,086,756; Feb. 10; Gaz. vol. 199; p. 457.
- Rough-rounder. G. Basler. No. 1,121,578; Dec. 15; Gaz. vol. 209; p. 1015.
- Round-top work. L. L. Hurst. No. 1,117,674; Nov. 17; Gaz. vol. 208; p. 850.
- Roundabout. J. C. Dunham. No. 1,121,813; Dec. 22; Gaz. vol. 209; p. 1133.
- Roundabout. R. W. Sattler. No. 1,093,591; Apr. 14; Gaz. vol. 201; p. 532.
- Roundabout. R. W. Smith. No. 1,116,508; Nov. 10; Gaz. vol. 208; p. 398.
- Roundabout for playgrounds. D. L. Newcomb. No. 1,108,080; Aug. 18; Gaz. vol. 205; p. 965.
- Roundhouse equipment. J. Riley. No. 1,109,017; Sept. 1; Gaz. vol. 206; p. 57.
- Rounding and channeling machine, Combined. H. A. Ballard. No. 1,099,334; June 9; Gaz. vol. 203; p. 374.
- Route-indicator mechanism. E. A. Jones. No. 1,092,147; Apr. 7; Gaz. vol. 201; p. 8.
- Routing-machines, Adjustable form for. A. Willson. No. 1,115,995; Nov. 3; Gaz. vol. 208; p. 181.
- Roving-can. P. I. Andrews. No. 1,100,516; June 16; Gaz. vol. 203; p. 817.
- Roving-frame. H. O. Nelson. No. 1,116,469; Nov. 10; Gaz. vol. 208; p. 382.
- Rowboat, Mechanical. R. E. C. Weir. No. 1,112,954; Oct. 6; Gaz. vol. 207; p. 189.
- Rowing apparatus. P. S. Medart. No. 1,111,269; Sept. 22; Gaz. vol. 206; p. 976.
- Rowing-gear. A. J. Herweg. No. 1,086,172; Feb. 3; Gaz. vol. 199; p. 210.
- Rubber. H. Moore. No. 1,100,319; June 16; Gaz. vol. 203; p. 750.
- Rubber and rubber products, Dyeing of. D. Spence. No. 1,122,653; Dec. 29; Gaz. vol. 209; p. 1463.
- Rubber and similar compositions, Mixing-machine for india-. A. Oller. No. 1,100,768; June 23; Gaz. vol. 203; p. 956.
- Rubber articles and manufacture of same, Patch for. J. G. Moomy. No. 1,111,804; Sept. 29; Gaz. vol. 206; p. 1198.
- Rubber articles, Apparatus for forming and vulcanizing. M. A. Dees. No. 1,109,048; Sept. 1; Gaz. vol. 206; p. 68.
- Rubber articles, Apparatus for forming and vulcanizing. N. W. McLeod. No. 1,118,503; Nov. 24; Gaz. vol. 208; p. 1180.
- Rubber articles, Apparatus for forming and vulcanizing. N. W. McLeod. No. 1,118,504; Nov. 24; Gaz. vol. 208; p. 1180.
- Rubber articles, Forming patches for. J. G. Moomy. No. 1,111,802; Sept. 29; Gaz. vol. 206; p. 1198.
- Rubber articles, Forming patches for. J. G. Moomy. No. 1,111,803; Sept. 29; Gaz. vol. 206; p. 1198.
- Rubber articles, Sectional core for hollow. T. Howard and G. B. Clegg. No. 1,113,009; Oct. 6; Gaz. vol. 207; p. 208.
- Rubber blocks for springs, &c., Manufacturing. A. G. Spencer. No. 1,092,129; Mar. 31; Gaz. vol. 200; p. 1347.
- Rubber-coated metal article and producing same. L. Daft. No. 1,120,795; Dec. 15; Gaz. vol. 209; p. 743.
- Rubber composition and its production. J. W. Aylsworth. No. 1,098,609; June 2; Gaz. vol. 203; p. 87.
- Rubber, Composition for and process of revivifying and preserving. A. A. Wright. No. 1,114,841; Oct. 27; Gaz. vol. 207; p. 986.
- Rubber compounds, Manufacture of. L. Collardon. No. 1,098,882; June 2; Gaz. vol. 203; p. 178.
- Rubber compounds, Molding-machine for. W. L. and O. Bland. No. 1,101,053; June 23; Gaz. vol. 203; p. 1058.
- Rubber-covered article and making same. L. Daft. No. 1,120,794; Dec. 15; Gaz. vol. 209; p. 742.
- Rubber footwear. L. J. Grosky. No. 1,105,270; July 28; Gaz. vol. 204; p. 1194.
- Rubber footwear, Apparatus for and process of the manufacture of. J. T. Crowley. No. 1,122,078; Dec. 22; Gaz. vol. 209; p. 1227.
- Rubber from hydrocarbons, Preparing. R. B. Earle. No. 1,093,923; Apr. 21; Gaz. vol. 201; p. 688.
- Rubber gaskets, Machine for cutting. F. Sr., and F. Brelle, Jr. No. 1,107,404; Aug. 18; Gaz. vol. 205; p. 728.
- Rubber goods, Apparatus for repairing india-. N. I. Spriggs. No. 1,118,596; Nov. 24; Gaz. vol. 208; p. 1213.
- Rubber heel. S. H. Servita. No. 1,121,141; Dec. 15; Gaz. vol. 209; p. 867.
- Rubber heels, Plug for. S. Feldman. No. 1,120,802; Dec. 15; Gaz. vol. 209; p. 745.
- Rubber hose, Manufacture of. H. Z. Cobb. No. 1,094,879; Apr. 28; Gaz. vol. 201; p. 1074.
- Rubber hose, Manufacture of. H. Z. Cobb. No. 1,110,671; Sept. 15; Gaz. vol. 206; p. 725.
- Rubber, leather, cereals, or other suitable substances, Apparatus for cutting, grinding, mincing, or pulverizing. J. Ogden. No. 1,102,789; July 7; Gaz. vol. 204; p. 198.
- Rubber, Machine for cleaning crude. W. R. Smith. No. 1,089,162; Mar. 3; Gaz. vol. 200; p. 170.
- Rubber, Making sponge-. J. Huebner. No. 1,103,359; July 14; Gaz. vol. 204; p. 442.
- Rubber, Manufacture of a substance resembling natural. R. Weissgerber and K. Keller. No. 1,099,107; June 2; Gaz. vol. 203; p. 250.
- Rubber, Manufacture of products from india-. H. Dogny, V. Henri, and E. Veil-Picard. No. 1,088,551; Feb. 24; Gaz. vol. 199; p. 1170.
- Rubber oversole. L. Maltby. No. 1,119,185; Dec. 1; Gaz. vol. 209; p. 100.
- Rubber sheets, Method of and machine for folding the edges of. J. E. Perrault. No. 1,111,232; Sept. 22; Gaz. vol. 206; p. 963.
- Rubber-shoe attachment. T. C. Ridge. No. 1,087,829; Feb. 17; Gaz. vol. 199; p. 879.
- Rubber sole. I. Shapiro. No. 1,118,954; Dec. 1; Gaz. vol. 209; p. 17.
- Rubber sole for boots and shoes. C. S. Redfield. No. 1,103,892; July 14; Gaz. vol. 204; p. 628.
- Rubber, Storm-. J. L. Moran. No. 1,116,462; Nov. 10; Gaz. vol. 208; p. 380.
- Rubber substitute. H. Mayer. No. 1,094,580; Apr. 28; Gaz. vol. 201; p. 968.
- Rubber-tired wheel. W. J. Kent. No. 1,115,548; Nov. 3; Gaz. vol. 208; p. 28.
- Rubber, Treating. G. Staunton. No. 1,115,031; Oct. 27; Gaz. vol. 207; p. 1054.
- Rubber, Treating. L. C. Warner. No. 1,122,824; Dec. 29; Gaz. vol. 209; p. 1524.
- Rubber-treating machine. L. Norzagaray. No. 1,110,340; Sept. 15; Gaz. vol. 206; p. 607.
- Rubber-tube and metal-stem protector, Pneumatic-. J. M. Majors. No. 1,092,927; Apr. 14; Gaz. vol. 201; p. 311.
- Rubbers, Improvement of inferior-grade. D. Spence and W. F. Russell. No. 1,112,938; Oct. 6; Gaz. vol. 207; p. 183.
- Rubberized fabric and rubber tires, Apparatus for forming and vulcanizing. M. A. Dees. No. 1,120,453; Dec. 8; Gaz. vol. 209; p. 575.
- Rubbing and sanding machine, Portable. E. S. Smith. No. 1,122,233; Dec. 22; Gaz. vol. 209; p. 1279.
- Rubbing-beds, Slab-holder for. C. L. Settergren. No. 1,116,333; Nov. 3; Gaz. vol. 208; p. 294.
- Rubbing-board. A. P. Miller. No. 1,084,467; Jan. 13; Gaz. vol. 198; p. 429.
- Rubbing-machine, Portable. V. J. Reed. No. 1,099,617; June 9; Gaz. vol. 203; p. 470.
- Rubbing-machine, Portable. V. J. Reed. No. 1,122,640; Dec. 29; Gaz. vol. 209; p. 1458.
- Rubbing or polishing machine. D. T. Clemons. No. 1,123,097; Dec. 29; Gaz. vol. 209; p. 1619.
- Rudder and fender, Combined. M. Vassalakis. No. 1,091,027; Mar. 24; Gaz. vol. 200; p. 930.
- Rudder, Foldable. A. A. Caille. No. 1,107,408; Aug. 18; Gaz. vol. 205; p. 730.
- Rudder for sail or other vessels. J. S. Brennan. No. 1,100,349; June 16; Gaz. vol. 203; p. 760.
- Rudder-indicator. C. A. Benham. No. 1,110,737; Sept. 15; Gaz. vol. 206; p. 748.
- Ruffling and stitching machine. A. H. De Voe. No. 1,094,707; Apr. 28; Gaz. vol. 201; p. 1016.
- Rug and carpet. F. P. Mogridge. No. 1,119,856; Dec. 8; Gaz. vol. 209; p. 363.
- Rug and carpet cleaning machine. A. H. Boelter. No. 1,116,225; Nov. 3; Gaz. vol. 208; p. 259.
- Rug-cleaning machine. N. Friedman. No. 1,122,097; Dec. 22; Gaz. vol. 209; p. 1234.
- Rug-fastener. R. P. Bennett. No. 1,115,489; Nov. 3; Gaz. vol. 208; p. 8.
- Rug-fastener. R. K. Myers. No. 1,101,318; June 23; Gaz. vol. 203; p. 1148.
- Rug fastener, Stair-. R. P. Bennett. No. 1,085,790; Feb. 3; Gaz. vol. 199; p. 76.
- Rug-hanger. T. A. Cleary and C. A. Johnson. No. 1,088,128; Feb. 24; Gaz. vol. 199; p. 1030.
- Rug-holder. W. J. Crutcher. No. 1,112,775; Oct. 6; Gaz. vol. 207; p. 128.
- Rug-rack. H. L. Gardner and W. L. Chase. No. 1,088,141; Feb. 24; Gaz. vol. 199; p. 1034.
- Rug-treating machine. J. A. Boyajean. No. 1,120,264; Dec. 8; Gaz. vol. 209; p. 507.
- Rug-treating machine. E. S. Craddock. No. 1,097,967; May 26; Gaz. vol. 202; p. 1087.
- Rug-withdrawer. N. W. Aldous. No. 1,087,096; Feb. 17; Gaz. vol. 199; p. 623.
- Rugs and textile fabrics, Machine for treating and refinishing. G. S. Kebabian. No. 1,093,433; Apr. 14; Gaz. vol. 201; p. 483.
- Rugs to be cleaned, Support for. F. M. Arnold. No. 1,103,019; July 14; Gaz. vol. 204; p. 325.
- Rule. F. M. Erwin. No. 1,110,195; Sept. 8; Gaz. vol. 206; p. 516.
- Rule and lead cutter. H. C. Hansen. No. 1,114,754; Oct. 27; Gaz. vol. 207; p. 955.
- Rule and square, Combined folding. L. D. Craig. No. 1,088,544; Feb. 24; Gaz. vol. 199; p. 1168.

Alphabetical list of inventions—Continued.

- Rule attachment. T. W. Southard. No. 1,110,968; Sept. 15; Gaz. vol. 206; p. 828.
- Rule, Column-. G. T. Trundle, Jr. No. 1,109,375; Sept. 1; Gaz. vol. 206; p. 186.
- Rule, Dressmaker's. E. C. Watters. No. 1,108,040; Aug. 18; Gaz. vol. 205; p. 951.
- Rule, Flexible. A. E. Hegardt. No. 1,122,595; Dec. 29; Gaz. vol. 209; p. 1442.
- Rule, Fountain-. O. J. Uphaus. No. 1,096,772; May 12; Gaz. vol. 202; p. 578.
- Rule, Handled folding. P. Neukirchen. No. 1,097,350; May 19; Gaz. vol. 202; p. 826.
- Rule, Level-. F. Buck. No. 1,120,443; Dec. 8; Gaz. vol. 209; p. 572.
- Rule-molding device, Beveled-. A. E. Markwell. No. 1,096,789; May 12; Gaz. vol. 202; p. 584.
- Rule, Self-registering measuring-. A. Kahanowicz. No. 1,096,376; May 12; Gaz. vol. 202; p. 446.
- Rule, Skirt-. E. C. Watters. No. 1,114,658; Oct. 20; Gaz. vol. 207; p. 868.
- Rule, Slide-. C. D. Allan. No. 1,110,855; Sept. 15; Gaz. vol. 206; p. 789.
- Rule, Slide-. W. O. Phillips. No. 1,088,175; Feb. 24; Gaz. vol. 199; p. 1046.
- Rule, Slide-. H. W. Tomlinson. No. 1,108,480; Aug. 25; Gaz. vol. 205; p. 1152.
- Rule, Square-. P. F. Haase. No. 1,098,571; June 2; Gaz. vol. 203; p. 76.
- Rule, square, and compasses, Combination. F. Luccioni. No. 1,101,132; June 23; Gaz. vol. 203; p. 1084.
- Rule, square, and miter, Combination. C. M. McFarland. No. 1,106,232; Aug. 4; Gaz. vol. 205; p. 224.
- Rule, Tailor's. M. Carroll. No. 1,090,024; Mar. 10; Gaz. vol. 200; p. 511.
- Rule, Traveling. A. W. Moseley. No. 1,107,340; Aug. 18; Gaz. vol. 205; p. 705.
- Rule, Underscoring-. J. T. Barton. No. 1,090,965; Mar. 24; Gaz. vol. 200; p. 908.
- Rules and slugs, Cutting-machine for. J. C. Backert. No. 1,114,329; Oct. 20; Gaz. vol. 207; p. 753.
- Rules, Angle-scale attachment for folding. N. E. Smith. No. 1,121,303; Dec. 15; Gaz. vol. 209; p. 920.
- Ruler. H. Meister and G. Birnbach. No. 1,086,545; Feb. 10; Gaz. vol. 199; p. 382.
- Ruler and blotter, Combined. E. Schmidt. No. 1,105,002; July 28; Gaz. vol. 204; p. 1100.
- Ruler attachment. H. A. McLaughlin. No. 1,109,444; Sept. 1; Gaz. vol. 206; p. 208.
- Ruler attachment. V. A. Russo. No. 1,091,461; Mar. 24; Gaz. vol. 200; p. 1073.
- Rulers and the like, Self-guiding arrangement for parallel. S. Sandurskyj. No. 1,084,711; Jan. 20; Gaz. vol. 198; p. 542.
- Ruling device. N. W. Von Holdt. No. 1,118,082; Nov. 24; Gaz. vol. 208; p. 1032.
- Rung-engaging clip. J. Roberts. No. 1,084,034; Jan. 13; Gaz. vol. 198; p. 287.
- Running-board. E. Gruber. No. 1,091,214; Mar. 24; Gaz. vol. 200; p. 995.
- Running-gear. R. K. Jayne. No. 1,109,926; Sept. 8; Gaz. vol. 206; p. 420.
- Running-gear. W. S. Proskey. No. 1,096,947; May 19; Gaz. vol. 202; p. 684.
- Running-gear. C. W. Reynolds. No. 1,102,356; July 7; Gaz. vol. 204; p. 47.
- Running-gear. T. J. Strupp. No. 1,094,492; Apr. 28; Gaz. vol. 201; p. 938.
- Running-gear. D. G. Tatum. No. 1,090,762; Mar. 17; Gaz. vol. 200; p. 805.
- Running-gear escapement. H. Thiel. No. 1,106,253; Aug. 4; Gaz. vol. 205; p. 231.
- Runway structure. A. L. Welham. No. 1,121,699; Dec. 22; Gaz. vol. 209; p. 1094.
- Rupture-preventing structure. F. Peiter. No. 1,099,932; June 16; Gaz. vol. 203; p. 616.
- S-iron-bending machine. F. J. Schroeder. No. 1,091,540; Mar. 31; Gaz. vol. 200; p. 1146.
- Saccharometer. A. Eppens. No. 1,089,464; Mar. 10; Gaz. vol. 200; p. 317.
- Sack. M. Quisenberry and A. P. Hamblen. No. 1,084,228; Jan. 13; Gaz. vol. 198; p. 354.
- Sack-cleaner. W. H. Wildrick. No. 1,115,357; Oct. 27; Gaz. vol. 207; p. 1166.
- Sack-holder. H. I. Moore. No. 1,103,370; July 14; Gaz. vol. 204; p. 446.
- Sack-holding device. N. Marie. No. 1,090,160; Mar. 17; Gaz. vol. 200; p. 599.
- Sack-holding device. C. N. Merritt. No. 1,111,850; Sept. 29; Gaz. vol. 206; p. 1215.
- Sack, Picker's. A. H. Larrabee. No. 1,098,949; June 2; Gaz. vol. 203; p. 201.
- Sack, Self-closing. B. W. Simer and A. Nichols. No. 1,089,279; Mar. 3; Gaz. vol. 200; p. 207.
- Sacking and weighing machine, Automatic. C. P. Brumby. No. 1,105,752; Aug. 4; Gaz. vol. 205; p. 58.
- Sacking-machine. F. Griffen. No. 1,119,693; Dec. 1; Gaz. vol. 209; p. 273.
- Sad-iron. J. E. Austin. No. 1,094,869; Apr. 28; Gaz. vol. 201; p. 1071.
- Sad-iron. C. A. Beach. No. 1,112,754; Oct. 6; Gaz. vol. 207; p. 122.
- Sad-iron. D. Beswick. No. 1,094,634; Apr. 28; Gaz. vol. 201; p. 989.
- Sad-iron. C. F. Coda. No. 1,116,386; Nov. 10; Gaz. vol. 208; p. 354.
- Sad-iron. A. H. Davies. No. 1,098,886; June 2; Gaz. vol. 203; p. 179.
- Sad-iron. J. Gross. No. 1,106,649; Aug. 11; Gaz. vol. 205; p. 417.
- Sad-iron. A. B. Hancock. No. 1,108,988; Sept. 1; Gaz. vol. 206; p. 46.
- Sad-iron. R. E. Hart. No. 1,098,572; June 2; Gaz. vol. 203; p. 76.
- Sad-iron. W. E. Hoyt. No. 1,109,528; Sept. 1; Gaz. vol. 206; p. 234.
- Sad-iron. C. J. Johnson. No. 1,088,228; Feb. 24; Gaz. vol. 199; p. 1063.
- Sad-iron. J. L. Poalk. No. 1,089,667; Mar. 10; Gaz. vol. 200; p. 389.
- Sad-iron. F. W. Rosengren. No. 1,114,916; Oct. 27; Gaz. vol. 207; p. 1013.
- Sad-iron-balancing mechanism. K. G. Boyajian. No. 1,109,317; Sept. 1; Gaz. vol. 206; p. 163.
- Sad-iron, Electric. W. S. Hadaway, Jr. No. 1,116,586; Nov. 10; Gaz. vol. 208; p. 427.
- Sad-iron, Electric. E. C. Loetscher. No. 1,110,805; Sept. 15; Gaz. vol. 206; p. 771.
- Sad-iron, Electric. E. E. Taubert. No. 1,114,413; Oct. 20; Gaz. vol. 207; p. 784.
- Sad-iron, Electrically-heated. F. Kuhn. No. 1,096,926; May 19; Gaz. vol. 202; p. 676.
- Sad-iron, Electrically-heated. F. Kuhn. No. 1,096,929; May 19; Gaz. vol. 202; p. 677.
- Sad-iron, Gas. R. J. Myers. No. 1,108,868; Aug. 25; Gaz. vol. 205; p. 1286.
- Sad-iron, Gas-heated. C. W. Harris and H. Buchholz. No. 1,112,610; Oct. 6; Gaz. vol. 207; p. 72.
- Sad-iron, Gas-heated. H. A. Koenig. No. 1,107,531; Aug. 18; Gaz. vol. 205; p. 772.
- Sad-iron, Gas-heated. G. W. La Rue. No. 1,093,440; Apr. 14; Gaz. vol. 201; p. 485.
- Sad-iron, Gas-heated. A. G. Sailer. No. 1,097,881; May 26; Gaz. vol. 202; p. 1055.
- Sad-iron, Gas-heating. C. Gunn, Jr. No. 1,115,308; Oct. 27; Gaz. vol. 207; p. 1152.
- Sad-iron handle, Detachable. C. L. and C. D. Wright and J. T. McCormick. No. 1,120,582; Dec. 8; Gaz. vol. 209; p. 620.
- Sad-iron holder. C. R. Dodge. No. 1,110,190; Sept. 8; Gaz. vol. 206; p. 514.
- Sad-iron, Reversible. F. P. Hinds and W. H. Dalton. No. 1,109,333; Sept. 1; Gaz. vol. 206; p. 169.
- Sad-iron, Self-heating. G. A. Humphrey. No. 1,086,453; Feb. 10; Gaz. vol. 199; p. 350.
- Sad-iron, Self-heating. R. B. Killgore. No. 1,112,916; Oct. 6; Gaz. vol. 207; p. 176.
- Sad-iron, Self-heating. D. W. Young, Jr. No. 1,092,196; Apr. 7; Gaz. vol. 201; p. 25.
- Sad-iron stand. M. Levy. No. 1,083,748; Jan. 6; Gaz. vol. 198; p. 163.
- Sad-iron stand. C. F. Smith. No. 1,101,967; June 30; Gaz. vol. 203; p. 1424.
- Sad-iron, Steam-heated. V. Pietrafesa. No. 1,096,388; May 12; Gaz. vol. 202; p. 450.
- Sad-irons and the like, Electrical connection for. E. A. Rutenber. No. 1,091,767; Mar. 31; Gaz. vol. 200; p. 1224.
- Saddle. L. Martin. No. 1,108,597; Aug. 25; Gaz. vol. 205; p. 1193.
- Saddle. D. S. Troxel. No. 1,118,600; Nov. 24; Gaz. vol. 208; p. 1214.
- Saddle and girth, Harness. R. Miller and W. E. Sell. No. 1,105,287; July 28; Gaz. vol. 204; p. 1199.
- Saddle, Gig-. F. P. Ames. No. 1,111,686; Sept. 22; Gaz. vol. 206; p. 1120.
- Saddle, Harness-. C. H. Grings. No. 1,083,738; Jan. 6; Gaz. vol. 198; p. 160.
- Saddle, Harness-. F. G. Hoover. No. 1,121,185; Dec. 15; Gaz. vol. 209; p. 881.
- Saddle, Harness-. C. F. Joy. No. 1,093,188; Apr. 14; Gaz. vol. 201; p. 400.
- Saddle, Harness-. D. Krug. No. 1,099,148; June 2; Gaz. vol. 203; p. 264.
- Saddle, Harness-. H. B. White. No. 1,104,397; July 21; Gaz. vol. 204; p. 842.
- Saddle, Spring-. W. Hawkins and H. E. Lobb. No. 1,083,538; Jan. 6; Gaz. vol. 198; p. 93.
- Saddle, Spring-. C. A. Persons. No. 1,084,226; Jan. 13; Gaz. vol. 198; p. 353.
- Saddle, Spring-. C. A. Persons. No. 1,097,361; May 19; Gaz. vol. 202; p. 830.
- Saddle-support for motor-cycles, &c. J. G. Epley. No. 1,120,379; Dec. 8; Gaz. vol. 209; p. 548.
- Saddles, Folding back for. G. W. Springsteen. No. 1,122,040; Dec. 22; Gaz. vol. 209; p. 1215.
- Saddles, Front rigging for riding-. G. W. Graves. No. 1,106,648; Aug. 11; Gaz. vol. 205; p. 416.
- Saddletree girth connection. J. F. Schoellkopf. No. 1,087,557; Feb. 17; Gaz. vol. 199; p. 785.
- Saddletree, Riding-. S. S. Adams. No. 1,111,817; Sept. 29; Gaz. vol. 206; p. 1203.

Alphabetical list of inventions—Continued.

- Safe. W. E. Arnold. No. 1,084,837; Jan. 20; Gaz. vol. 198; p. 585.
- Safe-boltwork, Automatic. H. M. Dalton. No. 1,109,666; Sept. 8; Gaz. vol. 206; p. 325.
- Safe, Burglar-proof. A. F. Blechschmidt. No. 1,097,076; May 19; Gaz. vol. 202; p. 730.
- Safe, Burglar-proof. E. E. Thompson. No. 1,113,507; Oct. 13; Gaz. vol. 207; p. 426.
- Safe construction. M. Mosler and C. Bartels. No. 1,087,175; Feb. 17; Gaz. vol. 199; p. 649.
- Safe construction. M. Mosler and C. Bartels. No. 1,113,236; Oct. 13; Gaz. vol. 207; p. 329.
- Safe construction. M. Mosler and C. Bartels. No. 1,117,421; Nov. 17; Gaz. vol. 208; p. 760.
- Safe-door. M. Mosler and C. Bartels. No. 1,118,436; Nov. 24; Gaz. vol. 208; p. 1157.
- Safe, Drip-water. J. J. Hickey. No. 1,095,864; May 5; Gaz. vol. 202; p. 235.
- Safe, Express-. J. Holek and D. Schwartz. No. 1,083,401; Jan. 6; Gaz. vol. 198; p. 48.
- Safe, Fireproof. C. U. Carpenter. No. 1,116,382; Nov. 10; Gaz. vol. 208; p. 353.
- Safe, money-box, and the like. W. J. Ford. No. 1,101,735; June 30; Gaz. vol. 203; p. 1341.
- Safe or vault wall construction. M. Mosler and C. Bartels. No. 1,109,695; Sept. 8; Gaz. vol. 206; p. 338.
- Safe, Pocket-. C. Hammon. No. 1,098,496; June 2; Gaz. vol. 203; p. 48.
- Safe, Vented burglar-proof. E. M. Benham. No. 1,120,435; Dec. 8; Gaz. vol. 209; p. 569.
- Safe, Wall-. J. H. Jann. No. 1,087,378; Feb. 17; Gaz. vol. 199; p. 722.
- Safes, Insulating-lining for. O. H. L. Wernicke. No. 1,084,986; Jan. 20; Gaz. vol. 198; p. 634.
- Safety appliance. J. Severance. No. 1,103,894; July 14; Gaz. vol. 204; p. 628.
- Safety-bar. L. A. Brown. No. 1,104,101; July 21; Gaz. vol. 204; p. 741.
- Safety-bar for bank-vaults, prisons, &c. N. Witsch. No. 1,094,043; Apr. 21; Gaz. vol. 201; p. 727.
- Safety-brake. J. Bauer. No. 1,116,546; Nov. 10; Gaz. vol. 208; p. 412.
- Safety-chest. L. Myers. No. 1,122,021; Dec. 22; Gaz. vol. 209; p. 1209.
- Safety-closure. W. H. McNutt. No. 1,093,576; Apr. 14; Gaz. vol. 201; p. 526.
- Safety-deposit box. C. Bartels. No. 1,091,556; Mar. 31; Gaz. vol. 200; p. 1151.
- Safety device. H. C. Anderson. No. 1,113,283; Oct. 13; Gaz. vol. 207; p. 346.
- Safety device. C. E. Burke. No. 1,088,528; Feb. 24; Gaz. vol. 199; p. 1162.
- Safety device. A. Montzheimer. No. 1,095,221; May 5; Gaz. vol. 202; p. 17.
- Safety device. C. W. Quin. No. 1,103,221; July 14; Gaz. vol. 204; p. 396.
- Safety device. J. Schade, Jr. No. 1,103,437; July 14; Gaz. vol. 204; p. 467.
- Safety device, Automatic. U. G. Ballinger. No. 1,090,011; Mar. 10; Gaz. vol. 200; p. 506.
- Safety device, Automatic. E. J. Laclair. No. 1,116,445; Nov. 10; Gaz. vol. 208; p. 374.
- Safety device for machines. G. Heap. No. 1,116,061; Nov. 3; Gaz. vol. 208; p. 203.
- Safety-elevator. B. H. Ocker. No. 1,101,086; June 23; Gaz. vol. 203; p. 1069.
- Safety-handle, Adjustable. C. F. Black. No. 1,087,103; Feb. 17; Gaz. vol. 199; p. 625.
- Safety-hook. F. Lody. No. 1,099,068; June 2; Gaz. vol. 203; p. 238.
- Safety-hook, Release. W. and A. C. E. Brown and T. B. Merry. No. 1,110,185; Sept. 8; Gaz. vol. 206; p. 513.
- Safety limit-stop. R. I. Wright. No. 1,113,593; Oct. 13; Gaz. vol. 207; p. 455.
- Safety limit-switch. R. I. Wright and H. F. Stratton. No. 1,113,592; Oct. 13; Gaz. vol. 207; p. 455.
- Safety-lock. J. C. Abbott. No. 1,116,361; Nov. 10; Gaz. vol. 208; p. 345.
- Safety-lock. C. A. Müller. No. 1,092,223; Apr. 7; Gaz. vol. 201; p. 34.
- Safety-lock. G. A. Null. No. 1,109,081; Sept. 1; Gaz. vol. 206; p. 80.
- Safety-lock. A. Re. No. 1,104,274; July 21; Gaz. vol. 204; p. 799.
- Safety-lock. W. F. Walker. No. 1,102,830; July 7; Gaz. vol. 204; p. 213.
- Safety-lock. W. F. Walker. No. 1,117,285; Nov. 17; Gaz. vol. 208; p. 713.
- Safety-pin. G. Houghton. No. 1,099,650; June 9; Gaz. vol. 203; p. 482.
- Safety-pin. A. G. Kaufman. No. 1,089,416; Mar. 10; Gaz. vol. 200; p. 300.
- Safety-pin. J. M. Pyron. No. 1,108,786; Aug. 25; Gaz. vol. 205; p. 1256.
- Safety-pin. F. C. Scott. No. 1,112,098; Sept. 29; Gaz. vol. 206; p. 1297.
- Safety-pin. W. F. Spence. No. 1,100,502; June 16; Gaz. vol. 203; p. 813.
- Safety-pin, Locking. K. G. Dieterich. No. 1,114,737; Oct. 27; Gaz. vol. 207; p. 948.
- Safety-pin shields, &c., Machine for feeding. G. E. Harcke. No. 1,119,823; Dec. 8; Gaz. vol. 209; p. 353.
- Safety-stop. L. R. Palmer. No. 1,099,512; June 9; Gaz. vol. 203; p. 435.
- Safety-strap. A. Schrenkeisen. No. 1,117,606; Nov. 17; Gaz. vol. 208; p. 824.
- Safety-switch. H. W. Cheney. No. 1,113,102; Oct. 6; Gaz. vol. 207; p. 237.
- Safety-switch. J. Sheppard. No. 1,119,461; Dec. 1; Gaz. vol. 209; p. 193.
- Safety-switch. H. B. Shreve. No. 1,114,813; Oct. 27; Gaz. vol. 207; p. 976.
- Safety-tube. J. H. Jones. No. 1,097,328; May 19; Gaz. vol. 202; p. 819.
- Salad-dressing mixer. F. L. Goddard. No. 1,111,374; Sept. 22; Gaz. vol. 206; p. 1011.
- Sales device. F. W. De Witt. No. 1,095,088; Apr. 28; Gaz. vol. 201; p. 1146.
- Saliva-ejector. A. A. Anzelewitz. No. 1,116,868; Nov. 10; Gaz. vol. 208; p. 528.
- Salmon-sliming machine. C. T. Carson. No. 1,109,039; Sept. 1; Gaz. vol. 206; p. 65.
- Salt and pepper box. L. A. Bower. No. 1,120,678; Dec. 15; Gaz. vol. 209; p. 702.
- Salt and pepper cruet, Combination. H. D. Kirkley. No. 1,085,137; Jan. 27; Gaz. vol. 198; p. 721.
- Salt and pepper shaker. L. L. Blum. No. 1,085,660; Feb. 3; Gaz. vol. 199; p. 28.
- Salt and pepper shaker. C. A. Conger. No. 1,102,978; July 7; Gaz. vol. 204; p. 261.
- Salt and pepper shaker, Combination. J. D. Sehorn. No. 1,086,943; Feb. 10; Gaz. vol. 199; p. 521.
- Salt by multiple-effect evaporation, Manufacture of. S. M. Lillie. No. 1,086,457; Feb. 10; Gaz. vol. 199; p. 352.
- Salt-cartridge. P. K. Stern. No. 1,087,469; Feb. 17; Gaz. vol. 199; p. 755.
- Salt-cellar. J. G. Lannoye. No. 1,108,376; Aug. 25; Gaz. vol. 205; p. 1116.
- Salt, Cleaning. J. Stauffer. No. 1,091,252; Mar. 24; Gaz. vol. 200; p. 1008.
- Salt, Making. C. L. Weil. No. 1,105,387; July 28; Gaz. vol. 204; p. 1238.
- Salt-making apparatus. C. L. Weil. No. 1,091,721; Mar. 31; Gaz. vol. 200; p. 1208.
- Salt, Manufacture of. J. H. Webster. No. 1,104,854; July 28; Gaz. vol. 204; p. 1050.
- Salt, Manufacture of common. A. W. Brown, J. H. Webster, and A. G. Salamon. No. 1,086,020; Feb. 3; Gaz. vol. 199; p. 158.
- Salt-shaker. A. Mendelson. No. 1,113,808; Oct. 13; Gaz. vol. 207; p. 531.
- Salt-shaker. J. M. Moran. No. 1,110,398; Sept. 15; Gaz. vol. 206; p. 628.
- Salt, Transporting. J. Stauffer. No. 1,091,251; Mar. 24; Gaz. vol. 200; p. 1008.
- Salts, Making Epsom. G. Clarke. No. 1,112,776; Oct. 6; Gaz. vol. 207; p. 127.
- Salts of mesothorium and of radium from thorium-bearing minerals, Obtaining. B. Keetman and F. Jost. No. 1,100,743; June 23; Gaz. vol. 203; p. 948.
- Salts of the aurothiosulfuric acid and making same. G. Spiess and A. Feldt. No. 1,115,610; Nov. 3; Gaz. vol. 208; p. 49.
- Sample-case and equipment. G. Robbins. No. 1,087,686; Feb. 17; Gaz. vol. 199; p. 832.
- Samples of powdered substances or liquids, Means for taking. T. Roberts. No. 1,101,568; June 30; Gaz. vol. 203; p. 1285.
- Sampling-gage. J. W. Snyder. No. 1,099,947; June 16; Gaz. vol. 203; p. 621.
- Sand and gravel screening machine. E. Gardie and M. Hill. No. 1,098,946; June 2; Gaz. vol. 203; p. 200.
- Sand and slime, Hydraulic classifier for separating. W. E. Darrow. No. 1,106,630; Aug. 11; Gaz. vol. 205; p. 410.
- Sand and water conveyor. C. A. Deal. No. 1,094,310; Apr. 21; Gaz. vol. 201; p. 815.
- Sand-blast apparatus. C. A. Dreisbach. No. 1,093,551; Apr. 14; Gaz. vol. 201; p. 518.
- Sand-blast apparatus. W. W. Sly. No. 1,116,505; Nov. 10; Gaz. vol. 208; p. 397.
- Sand-boxes, Electromagnetic control device for exits of. G. Orbin. No. 1,117,894; Nov. 17; Gaz. vol. 208; p. 926.
- Sand-distributor. P. Trask. No. 1,099,830; June 9; Gaz. vol. 203; p. 543.
- Sand-guard. M. W. Lewis. No. 1,090,078; Mar. 10; Gaz. vol. 200; p. 529.
- Sand molding apparatus. E. H. Mumford. No. 1,091,948; Mar. 31; Gaz. vol. 200; p. 1288.
- Sand molds, Pattern for circular. L. J. Askew and W. A. Masters. No. 1,110,282; Sept. 8; Gaz. vol. 206; p. 547.
- Sand molds, Ramming. H. P. Macdonald. No. 1,083,546; Jan. 6; Gaz. vol. 198; p. 96.
- Sand-moving machine. J. F. Makowski. No. 1,100,897; June 23; Gaz. vol. 203; p. 1001.
- Sand, ore, and the like, Apparatus for washing and separating. H. O. Johnson. No. 1,086,183; Feb. 3; Gaz. vol. 199; p. 214.
- Sand-pipe used on railway-locomotives. J. B. Swan. No. 1,118,247; Nov. 24; Gaz. vol. 208; p. 1087.

Alphabetical list of inventions—Continued.

- Sand screening and separating machine, Centrifugal. E. F. Anderson. No. 1,108,542; Aug. 25; Gaz. vol. 205; p. 1175.
- Sand-sifters, Riddle for. J. F. Durkin. No. 1,119,255; Dec. 1; Gaz. vol. 209; p. 122.
- Sand-trap. C. P. Ebersole. No. 1,089,541; Mar. 10; Gaz. vol. 200; p. 346.
- Sand-trap. W. H. White. No. 1,086,964; Feb. 10; Gaz. vol. 199; p. 528.
- Sand-trap. W. H. White. No. 1,117,119; Nov. 10; Gaz. vol. 208; p. 613.
- Sander. C. A. Johnson and H. Thissenius. No. 1,089,224; Mar. 3; Gaz. vol. 200; p. 190.
- Sander-device trap. H. Vissering. No. 1,109,093; Sept. 1; Gaz. vol. 206; p. 84.
- Sanding device. A. E. Hudson. No. 1,113,557; Oct. 13; Gaz. vol. 207; p. 444.
- Sanding-machine. O. Jacobsen. No. 1,114,884; Oct. 27; Gaz. vol. 207; p. 1001.
- Sandpapering-machine. H. W. Sellner. No. 1,094,484; Apr. 28; Gaz. vol. 201; p. 936.
- Sandal. L. H. Gilbert. No. 1,086,289; Feb. 3; Gaz. vol. 199; p. 248.
- Sandal. M. Lindberg. No. 1,090,731; Mar. 17; Gaz. vol. 200; p. 795.
- Sandal. R. Weidt. No. 1,088,309; Feb. 24; Gaz. vol. 199; p. 1091.
- Sandwich-machine. A. T. Maisch. No. 1,108,454; Aug. 25; Gaz. vol. 205; p. 1142.
- Sanitary apparatus. M. Mouat. No. 1,103,890; July 14; Gaz. vol. 204; p. 627.
- Sanitary closet. W. W. Boothe. No. 1,120,125; Dec. 8; Gaz. vol. 209; p. 458.
- Sanitary closet. A. R. Clark. No. 1,096,490; May 12; Gaz. vol. 202; p. 484.
- Sanitary closet. H. N. A. McLean. No. 1,107,685; Aug. 18; Gaz. vol. 205; p. 829.
- Sanitary closet. J. W. Nelson. No. 1,121,530; Dec. 15; Gaz. vol. 209; p. 998.
- Sanitary drinking-fountain. J. M. Ingberg. No. 1,119,606; Dec. 1; Gaz. vol. 209; p. 243.
- Sanitary trap. J. W. McAuliffe. No. 1,085,055; Jan. 20; Gaz. vol. 198; p. 657.
- Sanitary vessel. A. Abelson. No. 1,095,538; May 5; Gaz. vol. 202; p. 126.
- Sap-gathering receptacles, Hanger for. A. B. Waldron. No. 1,115,627; Nov. 3; Gaz. vol. 208; p. 54.
- Sarcophagus. C. L. Van Nostrand. No. 1,090,953; Mar. 24; Gaz. vol. 200; p. 904.
- Sash actuating device and lock, Combined. J. Leiner. No. 1,101,861; June 30; Gaz. vol. 203; p. 1386.
- Sash, Adjustable swinging window-. T. M. House. No. 1,105,199; July 28; Gaz. vol. 204; p. 1168.
- Sash adjuster, Window-. W. Bayley. No. 1,093,099; Apr. 14; Gaz. vol. 201; p. 369.
- Sash and door adjuster. C. D. Tabor. No. 1,120,169; Dec. 8; Gaz. vol. 209; p. 473.
- Sash and door, Sheet-metal. E. Carlson. (Reissue.) No. 1,3720; Apr. 28; Gaz. vol. 201; p. 1181.
- Sash and frame, Window. J. F. Armstrong. No. 1,117,755; Nov. 17; Gaz. vol. 208; p. 880.
- Sash and pane holder, Puttyless window. S. T. Brock. No. 1,110,530; Sept. 15; Gaz. vol. 206; p. 674.
- Sash and similar structure, Window-. R. T. Axe. No. 1,113,938; Oct. 20; Gaz. vol. 207; p. 615.
- Sash and weather-guard therefor, Window-. W. S. Hamm. No. 1,102,403; July 7; Gaz. vol. 204; p. 64.
- Sash attachment, Window-. P. Barnum. No. 1,100,342; June 16; Gaz. vol. 203; p. 758.
- Sash-balance. G. H. Forsyth. No. 1,103,496; July 14; Gaz. vol. 204; p. 487.
- Sash-balance. J. T. Jones. No. 1,110,139; Sept. 8; Gaz. vol. 206; p. 498.
- Sash-balance. W. E. Laycock. No. 1,118,561; Nov. 24; Gaz. vol. 208; p. 1201.
- Sash-balance. J. W. T. Morris. No. 1,119,365; Dec. 1; Gaz. vol. 209; p. 160.
- Sash-balance. J. E. Richardson. No. 1,091,082; Mar. 24; Gaz. vol. 200; p. 949.
- Sash-balance. E. Schoenheit. No. 1,102,444; July 7; Gaz. vol. 204; p. 78.
- Sash-bar. G. C. Hester. No. 1,090,303; Mar. 17; Gaz. vol. 200; p. 650.
- Sash-bar joint, Metal. J. J. Cheviron. No. 1,114,731; Oct. 27; Gaz. vol. 207; p. 946.
- Sash-closing device for windows, Automatic top-. D. J. Rosen. No. 1,122,646; Dec. 29; Gaz. vol. 209; p. 1460.
- Sash connection, Swinging-. G. T. Eklund. No. 1,106,791; Aug. 11; Gaz. vol. 205; p. 465.
- Sash construction. G. H. Forsyth. No. 1,086,316; Feb. 3; Gaz. vol. 199; p. 255.
- Sash construction. G. H. Forsyth. No. 1,105,970; Aug. 4; Gaz. vol. 205; p. 135.
- Sash construction. A. H. Sisson. No. 1,089,873; Mar. 10; Gaz. vol. 200; p. 458.
- Sash construction, Window-. H. W. Landolt. No. 1,108,914; Sept. 1; Gaz. vol. 206; p. 18.
- Sash-cord fastener. J. E. and J. F. Bennett. No. 1,086,267; Feb. 3; Gaz. vol. 199; p. 241.
- Sash device, Window-. C. Dipple, Jr. No. 1,112,688; Oct. 6; Gaz. vol. 207; p. 100.
- Sash-fastener. F. W. Beardsley. No. 1,116,213; Nov. 3; Gaz. vol. 208; p. 255.
- Sash-fastener. I. M. Deppen. No. 1,095,714; May 5; Gaz. vol. 202; p. 185.
- Sash-fastener. T. E. Gray. No. 1,098,378; June 2; Gaz. vol. 203; p. 7.
- Sash-fastener. C. A. Hunt. No. 1,111,585; Sept. 22; Gaz. vol. 206; p. 1084.
- Sash-fastener. W. C. Mattern and W. Koch. No. 1,103,214; July 14; Gaz. vol. 204; p. 394.
- Sash-fastener. E. F. Maul. No. 1,088,289; Feb. 24; Gaz. vol. 199; p. 1084.
- Sash-fastener. J. E. Randa. No. 1,086,462; Feb. 10; Gaz. vol. 199; p. 353.
- Sash-fastener. W. Romünder. No. 1,095,524; May 5; Gaz. vol. 202; p. 121.
- Sash-fastener. J. D. Shipman. No. 1,114,391; Oct. 20; Gaz. vol. 207; p. 775.
- Sash-fastener. A. Skibicki. No. 1,102,092; June 30; Gaz. vol. 203; p. 1469.
- Sash-fastener. C. L. Wecht. No. 1,111,511; Sept. 22; Gaz. vol. 206; p. 1058.
- Sash fastener and lock, Window-. J. O. Ford. No. 1,086,910; Feb. 10; Gaz. vol. 199; p. 510.
- Sash fastener, Storm-. C. F. Bemis. No. 1,096,811; May 12; Gaz. vol. 202; p. 593.
- Sash fastener, Window-. G. G. Altman. No. 1,095,368; May 5; Gaz. vol. 202; p. 67.
- Sash fastener, Window-. G. W. Lambert. No. 1,101,859; June 30; Gaz. vol. 203; p. 1385.
- Sash fastener, Window-. O. La Marsh. No. 1,116,300; Nov. 3; Gaz. vol. 208; p. 283.
- Sash fastener, Window-. A. J. Sthay. No. 1,108,271; Aug. 25; Gaz. vol. 205; p. 1080.
- Sash frames, Machine for use in the manufacture of pulley-stiles of window-. G. P. Pierce. No. 1,114,512; Oct. 20; Gaz. vol. 207; p. 820.
- Sash-grooving machine, Window-. H. Higgin. No. 1,114,761; Oct. 27; Gaz. vol. 207; p. 958.
- Sash-guide. E. R. Leonard. No. 1,105,147; July 28; Gaz. vol. 204; p. 1150.
- Sash-guide. E. R. Leonard. No. 1,115,844; Nov. 3; Gaz. vol. 208; p. 129.
- Sash hanger, Sliding-. F. B. Maslen. No. 1,088,434; Feb. 24; Gaz. vol. 199; p. 1133.
- Sash-holder. G. H. Bryant. No. 1,123,088; Dec. 29; Gaz. vol. 209; p. 1616.
- Sash-holder. O. J. Deisner. No. 1,123,112; Dec. 29; Gaz. vol. 209; p. 1624.
- Sash-holder. S. Ducsay. No. 1,093,387; Apr. 14; Gaz. vol. 201; p. 469.
- Sash-holder. R. S. Frary and W. W. Macfarren. No. 1,102,489; July 7; Gaz. vol. 204; p. 94.
- Sash-holder. J. J. Pruett. No. 1,097,108; May 19; Gaz. vol. 202; p. 740.
- Sash-holder. R. A. Robertson. No. 1,115,576; Nov. 3; Gaz. vol. 208; p. 37.
- Sash-holder. H. J. Storm. No. 1,099,726; June 9; Gaz. vol. 203; p. 509.
- Sash-holder. S. Viragh. No. 1,114,827; Oct. 27; Gaz. vol. 207; p. 981.
- Sash-holder. G. Wedel. No. 1,083,643; Jan. 6; Gaz. vol. 198; p. 127.
- Sash-holder for sliding sashes. T. Mason. No. 1,102,531; July 7; Gaz. vol. 204; p. 108.
- Sash-holding device. O. M. Edwards. No. 1,096,813; May 12; Gaz. vol. 202; p. 593.
- Sash-holding device, Window-. O. M. Edwards. No. 1,100,820; June 23; Gaz. vol. 203; p. 975.
- Sash joint, Metal-. L. V. Middlesworth. No. 1,108,511; Aug. 25; Gaz. vol. 205; p. 1163.
- Sash-lock. J. D. Babb. No. 1,102,710; July 7; Gaz. vol. 204; p. 170.
- Sash-lock. B. M. Brae. No. 1,088,526; Feb. 24; Gaz. vol. 199; p. 1162.
- Sash-lock. W. F. Gibbard. No. 1,107,418; Aug. 18; Gaz. vol. 205; p. 734.
- Sash-lock. W. R. Gilmore. No. 1,094,987; Apr. 28; Gaz. vol. 201; p. 1113.
- Sash-lock. E. O. Harvey. No. 1,104,991; July 28; Gaz. vol. 204; p. 1096.
- Sash-lock. A. R. Hill. No. 1,119,599; Dec. 1; Gaz. vol. 209; p. 241.
- Sash-lock. M. Lande. No. 1,102,519; July 7; Gaz. vol. 204; p. 104.
- Sash-lock. S. S. Mohn. No. 1,083,455; Jan. 6; Gaz. vol. 198; p. 66.
- Sash-lock. W. F. O'Rourke. No. 1,122,026; Dec. 22; Gaz. vol. 209; p. 1210.
- Sash-lock. E. L. Rasmussen. No. 1,105,100; July 28; Gaz. vol. 204; p. 1134.
- Sash-lock. F. H. Richards. No. 1,119,875; Dec. 8; Gaz. vol. 209; p. 370.
- Sash-lock. J. W. Schuble. No. 1,094,258; Apr. 21; Gaz. vol. 201; p. 800.
- Sash-lock. J. M. Shackelford. No. 1,122,035; Dec. 22; Gaz. vol. 209; p. 1213.
- Sash-lock. J. E. Sheppard. No. 1,113,915; Oct. 13; Gaz. vol. 207; p. 567.
- Sash-lock. H. J. Stang. No. 1,104,081; July 21; Gaz. vol. 204; p. 734.

Alphabetical list of inventions—Continued.

- Sash-lock. W. Tresselt. No. 1,097,379; May 19; Gaz. vol. 202; p. 836.
- Sash-lock. W. H. Vance. No. 1,103,229; July 14; Gaz. vol. 204; p. 398.
- Sash-lock and alarm, Combination. J. Tregoning. No. 1,093,955; Apr. 21; Gaz. vol. 201; p. 698.
- Sash lock and opener, Automatic. F. G. Burkhart. No. 1,121,228; Dec. 15; Gaz. vol. 209; p. 895.
- Sash-lock and ventilator-guard, Combination. F. C. Hamilton. No. 1,087,444; Feb. 17; Gaz. vol. 199; p. 746.
- Sash-lock for reversible windows. E. L. Reguin. No. 1,109,871; Sept. 8; Gaz. vol. 206; p. 399.
- Sash-lock, Ventilating. J. W. Watts. No. 1,092,234; Apr. 7; Gaz. vol. 201; p. 37.
- Sash lock, Window-. L. H. Bradshaw. No. 1,088,399; Feb. 24; Gaz. vol. 199; p. 1121.
- Sash lock, Window-. A. Fischer. No. 1,094,647; Apr. 28; Gaz. vol. 201; p. 993.
- Sash lock, Window-. L. Harrison. No. 1,090,149; Mar. 17; Gaz. vol. 200; p. 595.
- Sash lock, Window-. M. N. Putnam. No. 1,110,007; Sept. 8; Gaz. vol. 206; p. 448.
- Sash, Metal. T. F. Oechsle and A. Kumpf. No. 1,113,678; Oct. 13; Gaz. vol. 207; p. 484.
- Sash, Metal. D. Stock. No. 1,101,582; June 30; Gaz. vol. 203; p. 1290.
- Sash, Metal window-. J. A. Jones. No. 1,101,745; June 30; Gaz. vol. 203; p. 1344.
- Sash, Metal window-. J. T. Schlacks and P. L. Barter. No. 1,106,412; Aug. 11; Gaz. vol. 205; p. 329.
- Sash, Metallic. B. S. McClellan. No. 1,092,931; Apr. 14; Gaz. vol. 201; p. 312.
- Sash, Metallic window-. R. S. Drummond. No. 1,095,561; May 5; Gaz. vol. 202; p. 133.
- Sash-operating device. J. E. Jones. No. 1,109,928; Sept. 8; Gaz. vol. 206; p. 421.
- Sash-operating mechanism. G. G. Britton. No. 1,091,728; Mar. 31; Gaz. vol. 200; p. 1210.
- Sash or frame construction. L. S. Lachman. No. 1,100,247; June 16; Gaz. vol. 203; p. 725.
- Sash or shutter operating and fastening device. H. E. Harbaugh. No. 1,113,334; Oct. 13; Gaz. vol. 207; p. 364.
- Sash raising and lowering device. F. Eckey. No. 1,109,326; Sept. 1; Gaz. vol. 206; p. 167.
- Sash, Reversible window-. C. O. Kuehny. No. 1,105,523; July 28; Gaz. vol. 204; p. 1285.
- Sash, Reversible window-. S. Viragh. No. 1,087,202; Feb. 17; Gaz. vol. 199; p. 659.
- Sash, Swinging window-. W. Bayley. No. 1,115,160; Oct. 27; Gaz. vol. 207; p. 1100.
- Sash-weight. D. G. Carroll. No. 1,103,866; July 14; Gaz. vol. 204; p. 619.
- Sash-weight. M. J. Fitzgerald. No. 1,085,081; Jan. 20; Gaz. vol. 198; p. 666.
- Sash, Window-. F. E. Brandt. No. 1,107,580; Aug. 18; Gaz. vol. 205; p. 791.
- Sash, Window-. C. Cochar. No. 1,120,600; Dec. 8; Gaz. vol. 209; p. 627.
- Sash, Window-. P. E. Erlinder. No. 1,100,424; June 16; Gaz. vol. 203; p. 787.
- Sash, Window-. F. R. Eshbach. No. 1,120,186; Dec. 8; Gaz. vol. 209; p. 479.
- Sash, Window-. W. S. Frazier. No. 1,083,820; Jan. 6; Gaz. vol. 198; p. 184.
- Sash, Window-. J. H. Humphries. No. 1,117,053; Nov. 10; Gaz. vol. 208; p. 597.
- Sash, Window-. A. O. Johnson. No. 1,103,774; July 14; Gaz. vol. 204; p. 587.
- Sash, Window-. E. McClure. No. 1,093,587; Apr. 14; Gaz. vol. 201; p. 530.
- Sash, Window-. E. P. Sloss. No. 1,083,865; Jan. 6; Gaz. vol. 198; p. 197.
- Sashes and the like, Joint for window-. C. F. Ritter. No. 1,110,009; Sept. 8; Gaz. vol. 206; p. 449.
- Sashes, &c., Counterbalancing window-. J. B. Strauss. No. 1,096,402; May 12; Gaz. vol. 202; p. 454.
- Sashes, Expansion-joint for metallic window-. R. S. Drummond. No. 1,092,476; Apr. 7; Gaz. vol. 201; p. 123.
- Sashes of carriage-doors, Apparatus for operating the window-. E. Rheims and L. Auscher. No. 1,085,877; Feb. 3; Gaz. vol. 199; p. 106.
- Sashes, Screen attachment for window-. R. H. Banning. No. 1,107,877; Aug. 18; Gaz. vol. 205; p. 895.
- Satchel, Thief-proof. S. Roth. No. 1,119,193; Dec. 1; Gaz. vol. 209; p. 103.
- Satin-finish machine. J. F. Gail. No. 1,107,214; Aug. 11; Gaz. vol. 205; p. 612.
- Saucepans, Appliance for use in connection with. C. R. Trinder. No. 1,101,587; June 30; Gaz. vol. 203; p. 1292.
- Sausage-machine attachment. A. G. Wefer. No. 1,087,856; Feb. 17; Gaz. vol. 199; p. 887.
- Sausage-stuffer. G. J. Sayer. No. 1,091,537; Mar. 31; Gaz. vol. 200; p. 1145.
- Sausage-stuffer. G. J. Sayer. No. 1,109,548; Sept. 1; Gaz. vol. 206; p. 241.
- Sausage-stuffer - controlling device. G. J. Sayer. No. 1,091,538; Mar. 31; Gaz. vol. 200; p. 1145.
- Sausage-stuffing machine. V. Přibáň. No. 1,107,184; Aug. 11; Gaz. vol. 205; p. 602.
- Saw. H. C. Nugent. No. 1,100,606; June 16; Gaz. vol. 203; p. 846.
- Saw. F. Peterson. No. 1,088,719; Mar. 3; Gaz. vol. 200; p. 17.
- Saw. W. Smith. No. 1,085,503; Jan. 27; Gaz. vol. 198; p. 847.
- Saw, Band-. G. C. Hunter. No. 1,084,801; Jan. 20; Gaz. vol. 198; p. 573.
- Saw, Band-. A. D. Plowden. No. 1,109,458; Sept. 1; Gaz. vol. 206; p. 212.
- Saw-blade, Circular. J. Wettstein. No. 1,083,645; Jan. 6; Gaz. vol. 198; p. 128.
- Saw-blades or the like, Apparatus for brazing. F. Symer. No. 1,116,162; Nov. 3; Gaz. vol. 208; p. 238.
- Saw-brazing apparatus. C. W. Fosdick. No. 1,098,715; June 2; Gaz. vol. 203; p. 123.
- Saw, Butcher's. H. Disston. No. 1,120,457; Dec. 8; Gaz. vol. 209; p. 577.
- Saw, Butcher's. A. Tilden. No. 1,091,404; Mar. 24; Gaz. vol. 200; p. 1055.
- Saw, Chain. J. Deneen. No. 1,116,574; Nov. 10; Gaz. vol. 208; p. 422.
- Saw, Chain. H. E. Martin. No. 1,107,535; Aug. 18; Gaz. vol. 205; p. 774.
- Saw, Chain. H. E. Martin. No. 1,107,625; Aug. 18; Gaz. vol. 205; p. 807.
- Saw, Chain-feed. W. Giertsen. No. 1,109,747; Sept. 8; Gaz. vol. 206; p. 356.
- Saw, Chain-feed. A. W. Nelson. No. 1,110,709; Sept. 15; Gaz. vol. 206; p. 738.
- Saw-clamp. C. S. Mortenson. No. 1,089,429; Mar. 10; Gaz. vol. 200; p. 304.
- Saw-clamp. J. B. Walker. No. 1,119,908; Dec. 8; Gaz. vol. 209; p. 382.
- Saw, Combination-. E. Matson. No. 1,108,382; Aug. 25; Gaz. vol. 205; p. 1118.
- Saw, Cut-off. W. S. Sherman. No. 1,097,993; May 26; Gaz. vol. 202; p. 1096.
- Saw-dressing machine, Gin and delinter. J. H. Thayer. No. 1,086,483; Feb. 10; Gaz. vol. 199; p. 361.
- Saw-filer. J. B. Mullay. No. 1,121,120; Dec. 15; Gaz. vol. 209; p. 859.
- Saw-filing machine. W. J. Holmes. No. 1,087,373; Feb. 17; Gaz. vol. 199; p. 720.
- Saw-filing machine. H. Michels and F. L. Lamoreaux. No. 1,097,252; May 19; Gaz. vol. 202; p. 792.
- Saw-filing machine. J. A. Sevey. No. 1,091,397; Mar. 24; Gaz. vol. 200; p. 1053.
- Saw for working metal, Portable circular. A. A. Deleplanque. No. 1,108,093; Aug. 18; Gaz. vol. 205; p. 970.
- Saw-frame. H. Nielsen. No. 1,115,858; Nov. 3; Gaz. vol. 208; p. 134.
- Saw-gage. H. W. Wallace. No. 1,108,035; Aug. 18; Gaz. vol. 205; p. 949.
- Saw, Granite and stone. G. Griesche and A. Beck. No. 1,113,780; Oct. 13; Gaz. vol. 207; p. 521.
- Saw-guard. T. Coates. No. 1,099,588; June 9; Gaz. vol. 203; p. 462.
- Saw-guard. A. Flohr. No. 1,094,710; Apr. 28; Gaz. vol. 201; p. 1018.
- Saw-guard. C. Long. No. 1,099,610; June 9; Gaz. vol. 203; p. 468.
- Saw-guard. L. N. Nelson. No. 1,091,156; Mar. 24; Gaz. vol. 200; p. 975.
- Saw-guard, Adjustable. C. O. Huntington. No. 1,095,399; May 5; Gaz. vol. 202; p. 77.
- Saw guard, Circular-. W. B. Gardiner. No. 1,088,894; Mar. 3; Gaz. vol. 200; p. 76.
- Saw guard, Circular-. W. Jenkins. No. 1,089,223; Mar. 3; Gaz. vol. 200; p. 189.
- Saw-guard, Safety. G. H. Adam. No. 1,101,515; June 30; Gaz. vol. 203; p. 1267.
- Saw-guide. L. A. Kahrs. No. 1,111,904; Sept. 29; Gaz. vol. 206; p. 1235.
- Saw-guide. G. W. Moore. No. 1,093,458; Apr. 14; Gaz. vol. 201; p. 491.
- Saw-guide. C. L. Robbins. No. 1,102,080; June 30; Gaz. vol. 203; p. 1465.
- Saw-guide. J. E. Wilson. No. 1,121,217; Dec. 15; Gaz. vol. 209; p. 891.
- Saw guide, Band-. A. M. and E. Newell. No. 1,086,074; Feb. 3; Gaz. vol. 199; p. 178.
- Saw guide, Undercut-. C. Deverell. No. 1,096,693; May 12; Gaz. vol. 202; p. 552.
- Saw gummer and swager. W. H. Mzingo. No. 1,095,662; May 5; Gaz. vol. 202; p. 167.
- Saw-handle. H. Pedersen. No. 1,102,293; July 7; Gaz. vol. 204; p. 25.
- Saw-handle. H. A. J. Thrun. No. 1,086,310; Feb. 3; Gaz. vol. 199; p. 254.
- Saw handle, Crosscut-. C. Lindsey. No. 1,106,229; Aug. 4; Gaz. vol. 205; p. 223.
- Saw-holder. B. E. Smith. No. 1,094,939; Apr. 28; Gaz. vol. 201; p. 1095.
- Saw-jointer. W. E. Gibbs. No. 1,091,329; Mar. 24; Gaz. vol. 200; p. 1030.
- Saw-jointer. E. M. Pring. No. 1,116,842; Nov. 10; Gaz. vol. 208; p. 519.

Alphabetical list of inventions—Continued.

- Saw machine, Band-. E. E. Mershon. No. 1,112,822; Oct. 6; Gaz. vol. 207; p. 144.
- Saw, Meat-. A. S. Erquhart and C. Duclos. No. 1,089,192; Mar. 3; Gaz. vol. 200; p. 180.
- Saw, Mechanical hand-. P. E. White. No. 1,110,363; Sept. 15; Gaz. vol. 206; p. 615.
- Saw mechanism, Drag-. W. L. Hurley. No. 1,110,789; Sept. 15; Gaz. vol. 206; p. 765.
- Saw, Portable machine-. M. Reichlinger. No. 1,088,092; Feb. 24; Gaz. vol. 199; p. 1017.
- Saw, Power meat-. C. E. Brooks. No. 1,107,405; Aug. 18; Gaz. vol. 205; p. 728.
- Saw, Rail-. G. Johnston. No. 1,105,794; Aug. 4; Gaz. vol. 205; p. 72.
- Saw-set. H. Andersen. No. 1,111,348; Sept. 22; Gaz. vol. 206; p. 1003.
- Saw-set. O. N. Garness. No. 1,103,668; July 14; Gaz. vol. 204; p. 553.
- Saw-set. G. W. and L. E. Gore. No. 1,107,514; Aug. 18; Gaz. vol. 205; p. 767.
- Saw-set. D. McLure. No. 1,117,076; Nov. 10; Gaz. vol. 208; p. 600.
- Saw-set. W. C. Morrill. No. 1,106,829; Aug. 11; Gaz. vol. 205; p. 479.
- Saw-set. E. W. Setterlund. No. 1,096,131; May 12; Gaz. vol. 202; p. 362.
- Saw-set. J. I. Simmons and A. P. Tresp. No. 1,085,175; Jan. 27; Gaz. vol. 198; p. 735.
- Saw-set. W. Stafford. No. 1,111,926; Sept. 29; Gaz. vol. 206; p. 1241.
- Saw-set. W. H. Swainston. No. 1,088,941; Mar. 3; Gaz. vol. 200; p. 93.
- Saw-set. H. W. Uhlenkott. No. 1,094,497; Apr. 28; Gaz. vol. 201; p. 940.
- Saw set and gage. Combined. I. McMillan. No. 1,115,709; Nov. 3; Gaz. vol. 208; p. 83.
- Saw set and jointer. A. Dudgeon. No. 1,090,035; Mar. 10; Gaz. vol. 200; p. 514.
- Saw-set, Automatic. M. J. Lynch. No. 1,092,657; Apr. 7; Gaz. vol. 201; p. 184.
- Saw set, Crosscut-. L. A. Colby. No. 1,115,508; Nov. 3; Gaz. vol. 208; p. 14.
- Saw-setting device. N. O. Hedman. No. 1,122,922; Dec. 29; Gaz. vol. 209; p. 1557.
- Saw-setting device. J. E. and S. C. Turner. No. 1,097,272; May 19; Gaz. vol. 202; p. 800.
- Saw-setting tool. G. Halinka and F. Anton. No. 1,102,500; July 7; Gaz. vol. 204; p. 97.
- Saw-setting tool. G. W. Naylor and L. F. Autry. No. 1,099,097; June 2; Gaz. vol. 203; p. 247.
- Saw shield, Rip-. W. Hook. No. 1,090,063; Mar. 10; Gaz. vol. 200; p. 524.
- Saw-swage. F. A. Breeze. No. 1,089,313; Mar. 3; Gaz. vol. 200; p. 217.
- Saw-swage. C. H. Naulty. No. 1,119,628; Dec. 1; Gaz. vol. 209; p. 251.
- Saw-swage die. A. K. Hanchett. No. 1,091,930; Mar. 31; Gaz. vol. 200; p. 1282.
- Saw swagers and shapers, Machine for automatically operating. F. Regenold. No. 1,094,251; Apr. 21; Gaz. vol. 201; p. 798.
- Saw-table attachment. E. J. Davis. No. 1,118,477; Nov. 24; Gaz. vol. 208; p. 1172.
- Saw table, Miter-. H. J. Gage. No. 1,104,982; July 28; Gaz. vol. 204; p. 1094.
- Saw-teeth, Separable. A. M. Remington. No. 1,117,090; Nov. 10; Gaz. vol. 208; p. 605.
- Saw tensioning and straightening machine. T. W. Roach. No. 1,096,756; May 12; Gaz. vol. 202; p. 573.
- Saw-tool. J. H. Devini. No. 1,098,233; May 26; Gaz. vol. 202; p. 1177.
- Saw-tooth. W. S. McLean. No. 1,105,153; July 28; Gaz. vol. 204; p. 1152.
- Saw-tooth, Inserted. F. P. Petzold. No. 1,120,969; Dec. 15; Gaz. vol. 209; p. 803.
- Saw-tooth, Insertible. W. R. Kendall. No. 1,095,883; May 5; Gaz. vol. 202; p. 241.
- Saw-tooth-reshaping device. D. M. Bowman. No. 1,084,602; Jan. 20; Gaz. vol. 198; p. 503.
- Saw-tooth-rubbing machine. C. H. Douglas. No. 1,107,500; Aug. 18; Gaz. vol. 205; p. 763.
- Saw-tooth swage-shaper. S. T. Freas. No. 1,115,300; Oct. 27; Gaz. vol. 207; p. 1149.
- Saw, Trimmer-. W. H. Lieber. No. 1,116,301; Nov. 3; Gaz. vol. 208; p. 283.
- Saw, Well-. R. T. Fagan. No. 1,088,135; Feb. 24; Gaz. vol. 199; p. 1032.
- Saws and other cutters, Machine for jointing and grinding. E. C. Oatley. No. 1,117,595; Nov. 17; Gaz. vol. 208; p. 821.
- Saws and the like, Means for removing chips from the cutters of cutting-off. G. Gorton. No. 1,085,252; Jan. 27; Gaz. vol. 198; p. 763.
- Saws, Portable rig for circular. M. J. Severson. No. 1,119,886; Dec. 8; Gaz. vol. 209; p. 374.
- Saws, Spring-block set for. E. Godin. No. 1,088,895; Mar. 3; Gaz. vol. 200; p. 76.
- Saws, Swinging-jack journal for gang-. F. Pierce. No. 1,112,930; Oct. 6; Gaz. vol. 207; p. 181.
- Saws, Tube-feeder for. W. F. Clark. No. 1,121,167; Dec. 15; Gaz. vol. 209; p. 875.
- Sawing apparatus. W. R. Dawson. No. 1,108,718; Aug. 25; Gaz. vol. 205; p. 1234.
- Sawing apparatus, Crosscut-. N. Hansen. No. 1,110,777; Sept. 15; Gaz. vol. 206; p. 761.
- Sawing-machine. C. W. Allen. No. 1,085,656; Feb. 3; Gaz. vol. 199; p. 27.
- Sawing-machine. S. H. Austin. No. 1,110,736; Sept. 15; Gaz. vol. 206; p. 748.
- Sawing-machine. J. C. Holst. No. 1,100,016; June 16; Gaz. vol. 203; p. 645.
- Sawing-machine. F. Koons. No. 1,108,912; Sept. 1; Gaz. vol. 206; p. 18.
- Sawing-machine. F. Kramer. No. 1,122,402; Dec. 29; Gaz. vol. 209; p. 1375.
- Sawing-machine. A. F. Peters. No. 1,118,577; Nov. 24; Gaz. vol. 208; p. 1207.
- Sawing-machine. M. Schamann. No. 1,109,252; Sept. 1; Gaz. vol. 206; p. 141.
- Sawing-machine. J. F. Stewart. No. 1,097,480; May 19; Gaz. vol. 202; p. 870.
- Sawing-machine cut-off gage. F. H. Clement. No. 1,113,152; Oct. 6; Gaz. vol. 207; p. 255.
- Sawing-machine, Portable. K. Diehl. No. 1,111,441; Sept. 22; Gaz. vol. 206; p. 1033.
- Sawing machine, Tree-. J. Jack, Jr. No. 1,089,341; Mar. 3; Gaz. vol. 200; p. 226.
- Sawing machine, Wood-. W. Brethour. No. 1,095,076; Apr. 28; Gaz. vol. 201; p. 1142.
- Sawing machine, Wood-. R. T. Williams. No. 1,093,513; Apr. 14; Gaz. vol. 201; p. 507.
- Sawing-machines, Adjustable gage for. L. D. Brooks. No. 1,092,518; Apr. 7; Gaz. vol. 201; p. 137.
- Sawing or filing machine. M. Sporleder. No. 1,116,640; Nov. 10; Gaz. vol. 208; p. 448.
- Sawbuck. M. M. Callison. No. 1,092,974; Apr. 14; Gaz. vol. 201; p. 326.
- Sawdust-burning furnace. J. H. Hirt. No. 1,086,366; Feb. 10; Gaz. vol. 199; p. 320.
- Sawmill. D. L. Adams. No. 1,105,591; July 28; Gaz. vol. 204; p. 1308.
- Sawmill. R. H. Orr. No. 1,098,292; May 26; Gaz. vol. 202; p. 1199.
- Sawmill-carriage. B. D. Stevens. No. 1,093,215; Apr. 14; Gaz. vol. 201; p. 409.
- Sawmill-carriages, Offset mechanism for. C. R. Hopkins. No. 1,122,755; Dec. 29; Gaz. vol. 209; p. 1498.
- Sawmill-carriages, Track-cleaner for. R. H. Rawls. No. 1,097,466; May 19; Gaz. vol. 202; p. 865.
- Scaffold. G. Allen. No. 1,119,742; Dec. 1; Gaz. vol. 209; p. 288.
- Scaffold. M. Bertodo and R. F. Mohr. No. 1,092,422; Apr. 7; Gaz. vol. 201; p. 103.
- Scaffold. J. F. Bisbach. No. 1,115,775; Nov. 3; Gaz. vol. 208; p. 104.
- Scaffold. E. J. Carlson. No. 1,094,875; Apr. 28; Gaz. vol. 201; p. 1073.
- Scaffold. S. Rashkovsky. No. 1,100,777; June 23; Gaz. vol. 203; p. 959.
- Scaffold. G. E., W. S., and P. O. Thrall. No. 1,113,509; Oct. 13; Gaz. vol. 207; p. 427.
- Scaffold, Adjustable. G. Bonenberger. No. 1,109,505; Sept. 1; Gaz. vol. 206; p. 228.
- Scaffold, Adjustable. A. C. Davis. No. 1,111,824; Sept. 29; Gaz. vol. 206; p. 1205.
- Scaffold, Adjustable. L. L. Robertson. No. 1,115,975; Nov. 3; Gaz. vol. 208; p. 174.
- Scaffold apparatus. W. C. Mangel. No. 1,086,601; Feb. 10; Gaz. vol. 199; p. 403.
- Scaffold, Builder's. E. Waterson. No. 1,111,814; Sept. 29; Gaz. vol. 206; p. 1202.
- Scaffold, Folding. F. Anderson. No. 1,114,956; Oct. 27; Gaz. vol. 207; p. 1027.
- Scaffold, Hanging. C. M. Haynes. No. 1,085,607; Feb. 3; Gaz. vol. 199; p. 10.
- Scaffold, Hanging. G. Johnson. No. 1,090,856; Mar. 24; Gaz. vol. 200; p. 869.
- Scaffold, Pole-. C. E. Frederick. No. 1,098,945; June 2; Gaz. vol. 203; p. 200.
- Scaffold, Swinging. W. T. Gallagher. No. 1,115,803; Nov. 3; Gaz. vol. 208; p. 113.
- Scaffold, Swinging. N. Royack. No. 1,112,840; Oct. 6; Gaz. vol. 207; p. 150.
- Scaffold-tie. D. P. Jones. No. 1,107,798; Aug. 18; Gaz. vol. 205; p. 868.
- Scaffold, Tree-felling. H. Hardisty. No. 1,117,374; Nov. 17; Gaz. vol. 208; p. 745.
- Scaffold, Workman's. H. E. Brunelle. No. 1,110,881; Sept. 15; Gaz. vol. 206; p. 799.
- Scaffolding. A. Bolognesi. No. 1,086,348; Feb. 10; Gaz. vol. 199; p. 314.
- Scaffolding. M. O. Elvestrom. No. 1,101,839; June 30; Gaz. vol. 203; p. 1378.
- Scaffolding, &c., Binder-bracket for. C. Corkhill. No. 1,088,324; Feb. 24; Gaz. vol. 199; p. 1096.
- Scaffolding for buildings and the like. E. Schärer. No. 1,113,839; Oct. 13; Gaz. vol. 207; p. 542.
- Scaffolding-support. F. Opelt. No. 1,107,098; Aug. 11; Gaz. vol. 205; p. 569.
- Scalding-machine. W. B. Stevens. No. 1,104,571; July 21; Gaz. vol. 204; p. 905.

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- Scale. J. D. Burkholder. No. 1,096,096; May 12; Gaz. vol. 202; p. 350.
- Scale. A. A. Caille. No. 1,090,598; Mar. 17; Gaz. vol. 200; p. 753.
- Scale. I. Charet. No. 1,088,321; Feb. 24; Gaz. vol. 199; p. 1095.
- Scale. I. Charet. No. 1,102,137; June 30; Gaz. vol. 203; p. 1484.
- Scale. W. A. Cragin. No. 1,114,121; Oct. 20; Gaz. vol. 207; p. 679.
- Scale. S. G. Crane. No. 1,092,341; Apr. 7; Gaz. vol. 201; p. 75.
- Scale. A. De Vilbiss, Jr. No. 1,119,003; Dec. 1; Gaz. vol. 209; p. 35.
- Scale. A. De Vilbiss, Jr. No. 1,122,222; Dec. 22; Gaz. vol. 209; p. 1275.
- Scale. W. N. Gilbert. No. 1,106,799; Aug. 11; Gaz. vol. 205; p. 467.
- Scale. I. G. Greninger. No. 1,113,615; Oct. 13; Gaz. vol. 207; p. 462.
- Scale. J. H. Jones. No. 1,113,014; Oct. 6; Gaz. vol. 207; p. 209.
- Scale. B. W. King. No. 1,091,664; Mar. 31; Gaz. vol. 200; p. 1188.
- Scale. V. O. Klingler. No. 1,091,349; Mar. 24; Gaz. vol. 200; p. 1036.
- Scale. W. D. McBride and I. E. Hoover. No. 1,095,341; May 5; Gaz. vol. 202; p. 57.
- Scale. R. McFarlane. No. 1,090,819; Mar. 17; Gaz. vol. 200; p. 824.
- Scale. E. C. Pool. No. 1,109,359; Sept. 1; Gaz. vol. 206; p. 179.
- Scale. L. G. Sieber. No. 1,109,368; Sept. 1; Gaz. vol. 206; p. 182.
- Scale. W. F. Stimpson. No. 1,118,517; Nov. 24; Gaz. vol. 208; p. 1185.
- Scale and cash-register, Computing counter-. F. J. Sibley. No. 1,112,388; Sept. 29; Gaz. vol. 206; p. 1399.
- Scale and ice-box, Combination weighing-. W. C. Ather-ton. No. 1,120,883; Dec. 15; Gaz. vol. 209; p. 775.
- Scale attachment. E. P. Kendall. No. 1,114,004; Oct. 20; Gaz. vol. 207; p. 638.
- Scale, Automatic. A. M. Rich and J. P. Johnson. No. 1,087,685; Feb. 17; Gaz. vol. 199; p. 831.
- Scale, Automatic coin-controlled. G. D. Green. No. 1,087,116; Feb. 17; Gaz. vol. 199; p. 630.
- Scale, Automatic weighing-. E. D. Carter. No. 1,100,120; June 16; Gaz. vol. 203; p. 681.
- Scale, Automatic weighing-. E. A. Lavo. No. 1,117,678; Nov. 17; Gaz. vol. 208; p. 852.
- Scale-beam. H. E. Kintz. No. 1,094,722; Apr. 28; Gaz. vol. 201; p. 1022.
- Scale, Coin-controlled weighing-. H. W. Barson. No. 1,122,244; Dec. 29; Gaz. vol. 209; p. 1324.
- Scale, Computing-. B. D. Emanuel. No. 1,109,054; Sept. 1; Gaz. vol. 206; p. 71.
- Scale, Computing-. G. W. Kone. No. 1,112,808; Oct. 6; Gaz. vol. 207; p. 139.
- Scale, Computing-. W. D. and W. E. McBride. No. 1,118,666; Nov. 24; Gaz. vol. 208; p. 1237.
- Scale, Computing-. W. F. Stimpson. No. 1,106,323; Aug. 4; Gaz. vol. 205; p. 254.
- Scale, Computing-. W. F. Stimpson. No. 1,114,307; Oct. 20; Gaz. vol. 207; p. 746.
- Scale, Hydraulic weighing-. E. J. Walters and W. P. Symons. No. 1,098,197; May 26; Gaz. vol. 202; p. 1165.
- Scale-illuminating device, Computing-. C. B. Longstreth. No. 1,105,806; Aug. 4; Gaz. vol. 205; p. 76.
- Scale, Pendulum-. L. Jaenichen. No. 1,116,590; Nov. 10; Gaz. vol. 208; p. 429.
- Scale, Parcel-post. R. A. Lupton. No. 1,095,735; May 5; Gaz. vol. 202; p. 192.
- Scale, Price-. J. Hopkinson. No. 1,096,507; May 12; Gaz. vol. 202; p. 490.
- Scale-rack. W. K. Rose. No. 1,092,292; Apr. 7; Gaz. vol. 201; p. 59.
- Scale-remover. C. M. Terry. No. 1,111,330; Sept. 22; Gaz. vol. 206; p. 996.
- Scale, Self-calculating. W. F. Thompson. No. 1,095,246; May 5; Gaz. vol. 202; p. 25.
- Scale, Spring-balance. A. N. Ozias. No. 1,092,449; Apr. 7; Gaz. vol. 201; p. 113.
- Scale, Steelyard dairy-. A. Vilg. No. 1,106,528; Aug. 11; Gaz. vol. 205; p. 373.
- Scale-tester. G. Wenzelmann. No. 1,118,981; Dec. 1; Gaz. vol. 209; p. 27.
- Scale, Torsion balance-. M. Munzner. No. 1,121,861; Dec. 22; Gaz. vol. 209; p. 1152.
- Scale, Track-. A. Bousfield. No. 1,097,077; May 19; Gaz. vol. 202; p. 730.
- Scale, Wagon-. W. C. Price. No. 1,112,320; Sept. 29; Gaz. vol. 206; p. 1375.
- Scale, Wagon-. J. R. Stretesky and P. L. Larned. No. 1,088,479; Feb. 24; Gaz. vol. 199; p. 1147.
- Scale, Weighing-. J. C. Barrett. No. 1,086,345; Feb. 10; Gaz. vol. 199; p. 314.
- Scale, Weighing-. J. E. Cochran. No. 1,109,043; Sept. 1; Gaz. vol. 206; p. 67.
- Scale, Weighing-. G. M. Conway. No. 1,116,567; Nov. 10; Gaz. vol. 208; p. 420.
- Scale, Weighing-. M. H. Hansen. No. 1,116,268; Nov. 3; Gaz. vol. 208; p. 272.
- Scale, Weighing-. C. H. Hapgood. No. 1,104,496; July 21; Gaz. vol. 204; p. 877.
- Scale, Weighing-. D. C. Horner. No. 1,102,051; June 30; Gaz. vol. 203; p. 1455.
- Scale, Weighing-. G. Hutchinson. No. 1,099,051; June 2; Gaz. vol. 203; p. 233.
- Scale Weighing-. H. G. Nordeen. No. 1,108,610; Aug. 25; Gaz. vol. 205; p. 1198.
- Scale, Weighing-. W. Simonsson. No. 1,101,215; June 23; Gaz. vol. 203; p. 1114.
- Scale, Weighing and counting. J. Hopkinson. No. 1,110,262; Sept. 8; Gaz. vol. 206; p. 540.
- Scales, Adjustable index for. W. F. Stimpson. No. 1,092,872; Apr. 14; Gaz. vol. 201; p. 292.
- Scales and the like, Marker for. A. W. Jansen. No. 1,104,424; July 21; Gaz. vol. 204; p. 851.
- Scales, Balancing mechanism for. P. F. Hazen. No. 1,115,931; Nov. 3; Gaz. vol. 208; p. 158.
- Scales, Roller-platform for. H. M. Grant. No. 1,103,505; July 14; Gaz. vol. 204; p. 490.
- Scales, Suspension-bearing for platform-. T. L. Richmond. No. 1,100,258; June 16; Gaz. vol. 203; p. 729.
- Scales, Vertical loader for weighing-. H. M. B. Bary. No. 1,104,401; July 21; Gaz. vol. 204; p. 843.
- Scalloper or concaver, Top-lift. G. T. McLeod. No. 1,107,820; Aug. 18; Gaz. vol. 205; p. 875.
- Scalp appliance, Electric. P. P. Laposkey. No. 1,099,062; June 2; Gaz. vol. 203; p. 236.
- Scarf. A. J. Mandel and M. Cohen. No. 1,096,549; May 12; Gaz. vol. 202; p. 504.
- Scarf-pin holder. R. Fischer. (Reissue.) No. 13,740; May 26; Gaz. vol. 202; p. 1230.
- Scarfing-machine. H. Lyon. No. 1,113,364; Oct. 13; Gaz. vol. 207; p. 375.
- Scarifier. D. C. Boyd. No. 1,093,104; Apr. 14; Gaz. vol. 201; p. 371.
- Scarifier. D. B. Cook. No. 1,115,900; Nov. 3; Gaz. vol. 208; p. 147.
- Scenery-handling apparatus. S. G. Bailey. No. 1,091,109; Mar. 24; Gaz. vol. 200; p. 958.
- Scenic appliance. G. Y. Barber. No. 1,123,066; Dec. 29; Gaz. vol. 209; p. 1609.
- Scenic effects, Apparatus for producing. L. McCormick. No. 1,093,943; Apr. 21; Gaz. vol. 201; p. 694.
- Scholar's companion. J. Biefeld. No. 1,117,967; Nov. 24; Gaz. vol. 208; p. 991.
- Scissors. J. L. Bitz. No. 1,110,181; Sept. 8; Gaz. vol. 206; p. 512.
- Scissors. D. Borgetti. No. 1,090,130; Mar. 17; Gaz. vol. 200; p. 588.
- Scissors. A. V. Donor. No. 1,123,115; Dec. 29; Gaz. vol. 209; p. 1625.
- Scissors. R. J. Henderson. No. 1,100,876; June 23; Gaz. vol. 203; p. 994.
- Scissors and shears. G. F. Pearson. No. 1,093,726; Apr. 21; Gaz. vol. 201; p. 624.
- Scissors attachment. J. Prikla. No. 1,115,104; Oct. 27; Gaz. vol. 207; p. 1080.
- Scissors, Grape-. A. L. Dawson. No. 1,108,112; Aug. 18; Gaz. vol. 205; p. 977.
- Scleroscope. A. F. Shore. No. 1,121,050; Dec. 15; Gaz. vol. 209; p. 833.
- Scoop and elevator, Earth. E. J. Akins. No. 1,104,031; July 21; Gaz. vol. 204; p. 716.
- Scoop, Grain-shock. F. Gessner. No. 1,100,968; June 23; Gaz. vol. 203; p. 1028.
- Scoop, Loaf-sugar. E. F. Benoit. No. 1,104,097; July 21; Gaz. vol. 204; p. 739.
- Scoop washing-cylinder. W. Bartholomew. No. 1,097,510; May 19; Gaz. vol. 202; p. 880.
- Scoop, Weighing-. J. A. Pickens. No. 1,116,727; Nov. 10; Gaz. vol. 208; p. 477.
- Scoop, Wind-. H. A. Hunt. No. 1,115,315; Oct. 27; Gaz. vol. 207; p. 1154.
- Score-board, Electric. C. H. Smith. No. 1,089,798; Mar. 10; Gaz. vol. 200; p. 432.
- Score board or bulletin. J. W. Baker. No. 1,119,388; Dec. 1; Gaz. vol. 209; p. 169.
- Score-board or the like. W. S. Baird. No. 1,102,218; June 30; Gaz. vol. 203; p. 1514.
- Score indicating and recording device. R. S. Kelley. No. 1,090,626; Mar. 17; Gaz. vol. 200; p. 763.
- Scoring device. S. E. Page. No. 1,086,077; Feb. 3; Gaz. vol. 199; p. 179.
- Scoring-machine. F. D. Clarke. No. 1,098,711; June 2; Gaz. vol. 203; p. 122.
- Scoring-machine. S. T. Hobbs. No. 1,095,207; May 5; Gaz. vol. 202; p. 11.
- Scoring-machine. C. R. Seymour. No. 1,098,689; June 2; Gaz. vol. 203; p. 114.
- Scotch-block with roller. E. Scholle. No. 1,108,627; Aug. 25; Gaz. vol. 205; p. 1203.
- Scouring agent. H. Ockelmann. No. 1,111,488; Sept. 22; Gaz. vol. 206; p. 1050.
- Scouring-case. C. A. Shultz. No. 1,099,317; June 9; Gaz. vol. 203; p. 368.
- Scow, Unloading sand-. W. G. Mackie. No. 1,084,889; Jan. 20; Gaz. vol. 198; p. 602.

Alphabetical list of inventions—Continued.

- Scrap-bundling press. C. W. Kinter. No. 1,120,655; Dec. 8; Gaz. vol. 209; p. 647.
- Scraper. C. Child and A. H. Keir. No. 1,117,324; Nov. 17; Gaz. vol. 208; p. 727.
- Scraper. C. Child and A. H. Keir. No. 1,120,281; Dec. 8; Gaz. vol. 209; p. 513.
- Scraper. C. H. Gunn. No. 1,093,558; Apr. 14; Gaz. vol. 201; p. 520.
- Scraper. C. H. Gunn. No. 1,112,606; Oct. 6; Gaz. vol. 207; p. 70.
- Scraper. S. D. Le Clair. No. 1,120,824; Dec. 15; Gaz. vol. 209; p. 753.
- Scraper. W. H. Perkins. No. 1,085,355; Jan. 27; Gaz. vol. 198; p. 799.
- Scraper. C. B. Roberts. No. 1,098,640; June 2; Gaz. vol. 203; p. 98.
- Scraper. H. B. Sauerman. No. 1,087,324; Feb. 17; Gaz. vol. 199; p. 703.
- Scraper and grader, Road. A. Carver. No. 1,084,534; Jan. 13; Gaz. vol. 198; p. 450.
- Scraper and polisher. T. Wolf. No. 1,118,980; Dec. 1; Gaz. vol. 209; p. 30.
- Scraper and smoother, Road. G. E. Tucker. No. 1,092,676; Apr. 7; Gaz. vol. 201; p. 190.
- Scraper, Automatic revolving earth-. M. Adrian. No. 1,095,488; May 5; Gaz. vol. 202; p. 109.
- Scraper, Dirt-. J. MacDougall. No. 1,105,283; July 28; Gaz. vol. 204; p. 1198.
- Scraper, Excavating-. I. E. Burkett. No. 1,095,155; Apr. 28; Gaz. vol. 201; p. 1170.
- Scraper, Hand-. C. Bodmer. No. 1,098,706; June 2; Gaz. vol. 203; p. 120.
- Scraper-mat, Metallic. S. C. Cary. No. 1,123,094; Dec. 29; Gaz. vol. 209; p. 1618.
- Scraper, Reversible. S. A. Soule. No. 1,096,137; May 12; Gaz. vol. 202; p. 364.
- Scraper, Road-. G. Eysers. No. 1,103,951; July 21; Gaz. vol. 204; p. 690.
- Scraper, Road-. W. Gruner. No. 1,088,414; Feb. 24; Gaz. vol. 199; p. 1126.
- Scraper, Road-. C. Howard. No. 1,099,371; June 9; Gaz. vol. 203; p. 389.
- Scraper, Road-. A. McCallum. No. 1,112,713; Oct. 6; Gaz. vol. 207; p. 108.
- Scraper, Road-. H. Warren. No. 1,086,740; Feb. 10; Gaz. vol. 199; p. 450.
- Scraper, Wheel-. E. M. Utterback. No. 1,105,469; July 28; Gaz. vol. 204; p. 1267.
- Scraper, Wheeled. J. E. Steele. No. 1,107,460; Aug. 18; Gaz. vol. 205; p. 748.
- Scraper, Wheeled. W. H. Violet. No. 1,106,170; Aug. 4; Gaz. vol. 205; p. 204.
- Scraping apparatus. F. Previts. No. 1,088,089; Feb. 24; Gaz. vol. 199; p. 1016.
- Scraping-machine. A. H. Fargo. No. 1,090,910; Mar. 24; Gaz. vol. 200; p. 888.
- Scraping-machine. B. S. Loveland. No. 1,107,810; Aug. 18; Gaz. vol. 205; p. 872.
- Screen: See Air-screen; Bed-screen; Burglar-proof screen; Chalk-trough screen; Collapsible screen; Door-screen; Door and window screen; Fan-screen; Fish-screen; Fly-screen; Folding screen; Light-screen; Magic-lantern screen; Mining-screen; Pan-screen; Paper and pulp screen; Photographic screen; Picture-screen; Polychrome screen; Pulp-screen; Revolving screen; Roller-screen; Rotary screen; Self-cleaning screen; Threshing-machine screen; Unitary screen; Vehicle wind-screen; Vibrating screen; Weed-screen; Well-screen; Window-screen; Window and door screen.
- Screen. P. Carlson. No. 1,097,300; May 19; Gaz. vol. 202; p. 809.
- Screen. D. Cole. No. 1,111,217; Sept. 22; Gaz. vol. 206; p. 958.
- Screen. D. B. Collins. No. 1,120,601; Dec. 8; Gaz. vol. 209; p. 628.
- Screen. J. Garlinski. No. 1,086,817; Feb. 10; Gaz. vol. 199; p. 478.
- Screen. R. Heller. No. 1,093,779; Apr. 21; Gaz. vol. 201; p. 638.
- Screen. H. Hoehl. No. 1,122,117; Dec. 22; Gaz. vol. 209; p. 1239.
- Screen. L. G. Kleespies. No. 1,122,767; Dec. 29; Gaz. vol. 209; p. 1502.
- Screen. E. Lynch. No. 1,109,437; Sept. 1; Gaz. vol. 206; p. 206.
- Screen. H. A. Northrop. No. 1,123,136; Dec. 29; Gaz. vol. 209; p. 1633.
- Screen. T. J. Sturtevant. No. 1,087,994; Feb. 24; Gaz. vol. 199; p. 983.
- Screen. M. Sweeney. No. 1,122,437; Dec. 29; Gaz. vol. 209; p. 1387.
- Screen. E. J. White. No. 1,118,086; Nov. 24; Gaz. vol. 208; p. 1034.
- Screen. F. T. Wilson. No. 1,089,611; Mar. 10; Gaz. vol. 200; p. 369.
- Screen. E. A. Wood. No. 1,103,167; July 14; Gaz. vol. 204; p. 377.
- Screen and storm-door structure, Combined. I. W. Heryford. No. 1,100,564; June 16; Gaz. vol. 203; p. 833.
- Screen-chamber. J. H. Lance. No. 1,100,435; June 16; Gaz. vol. 203; p. 791.
- Screen-closure. T. A. Gebhardt. No. 1,087,757; Feb. 17; Gaz. vol. 199; p. 855.
- Screen-fastener. W. F. Roscoe. No. 1,084,167; Jan. 13; Gaz. vol. 198; p. 332.
- Screen fastener, Window-. J. M. Olson. No. 1,111,086; Sept. 22; Gaz. vol. 206; p. 912.
- Screen fastener, Window and door. F. M. King. No. 1,091,849; Mar. 31; Gaz. vol. 200; p. 1254.
- Screen-fastening. F. P. Calleson. No. 1,090,099; Mar. 10; Gaz. vol. 200; p. 537.
- Screen-fastening device. T. E. Barton. No. 1,113,946; Oct. 20; Gaz. vol. 207; p. 618.
- Screen-frame. W. W. Watson. No. 1,098,857; June 2; Gaz. vol. 203; p. 170.
- Screen-frame, Combination. J. E. Snook. No. 1,105,857; Aug. 4; Gaz. vol. 205; p. 95.
- Screen-frame-corner fastener. B. C. Rockwell. No. 1,089,499; Mar. 10; Gaz. vol. 200; p. 331.
- Screen-frame or the like hanger. E. F. Bodley. No. 1,108,323; Aug. 25; Gaz. vol. 205; p. 1099.
- Screen-opening. C. H. Paschall. No. 1,094,927; Apr. 28; Gaz. vol. 201; p. 1091.
- Screen or separator. T. J. Sturtevant. No. 1,111,044; Sept. 22; Gaz. vol. 206; p. 897.
- Screen or separator. T. J. Sturtevant. No. 1,116,512; Nov. 10; Gaz. vol. 208; p. 399.
- Screen or separator. T. L. and T. J. Sturtevant. No. 1,114,064; Oct. 20; Gaz. vol. 207; p. 658.
- Screen or sieve. W. L. George. No. 1,106,201; Aug. 4; Gaz. vol. 205; p. 215.
- Screen protector-frame. H. Illig. No. 1,094,443; Apr. 28; Gaz. vol. 201; p. 921.
- Screen-shovel. C. A. Mueller. No. 1,094,161; Apr. 21; Gaz. vol. 201; p. 763.
- Screens and sash, Hanger for. M. C. Palmer. No. 1,091,758; Mar. 31; Gaz. vol. 200; p. 1221.
- Screens for pictures or stage, Background for. J. F. Kieley. No. 1,099,852; June 9; Gaz. vol. 203; p. 550.
- Screens, Tightener means for projection and other. J. P. Fallon. No. 1,121,081; Dec. 15; Gaz. vol. 209; p. 844.
- Screening apparatus. J. W. Pettibone. No. 1,108,616; Aug. 25; Gaz. vol. 205; p. 1200.
- Screening apparatus. L. M. Sheridan. No. 1,085,997; Feb. 3; Gaz. vol. 199; p. 150.
- Screening-shovel. O. Thibault. No. 1,087,849; Feb. 17; Gaz. vol. 199; p. 885.
- Screw. J. Boyn. No. 1,110,250; Sept. 8; Gaz. vol. 206; p. 535.
- Screw. E. J. Foreman. No. 1,088,892; Mar. 3; Gaz. vol. 200; p. 75.
- Screw. W. H. Lasater. No. 1,084,643; Jan. 20; Gaz. vol. 198; p. 517.
- Screw. J. N. Lee. No. 1,091,674; Mar. 31; Gaz. vol. 200; p. 1192.
- Screw and bolt lock. I. Dimock. No. 1,090,908; Mar. 24; Gaz. vol. 200; p. 887.
- Screw and making the same, Tool-post. J. N. Warren. No. 1,094,825; Apr. 28; Gaz. vol. 201; p. 1057.
- Screw and operating mechanism, Clamping-. F. A. Breeze. No. 1,101,397; June 23; Gaz. vol. 203; p. 1174.
- Screw-blade for impellers. M. Donath. No. 1,088,883; Mar. 3; Gaz. vol. 200; p. 72.
- Screw-blank-making machine. G. T. Warwick. No. 1,091,551; Mar. 31; Gaz. vol. 200; p. 1149.
- Screw-clamp. F. Paulus. No. 1,089,953; Mar. 10; Gaz. vol. 200; p. 487.
- Screw-cutting die. J. F. Linehan. No. 1,088,431; Feb. 24; Gaz. vol. 199; p. 1132.
- Screw-cutting tap. W. Murchey. No. 1,100,984; June 23; Gaz. vol. 203; p. 1033.
- Screw-driver. W. Carter. No. 1,109,040; Sept. 1; Gaz. vol. 206; p. 66.
- Screw-driver and drilling-machine, Mechanical. J. P. Nissen. No. 1,102,947; July 7; Gaz. vol. 204; p. 250.
- Screw-driver attachment. R. A. Armstrong. No. 1,116,532; Nov. 10; Gaz. vol. 208; p. 406.
- Screw-driver handle, Detachable. J. W. Eggleston. No. 1,096,529; May 12; Gaz. vol. 202; p. 498.
- Screw-driving machine. D. D. Harbot. No. 1,093,848; Apr. 21; Gaz. vol. 201; p. 663.
- Screw-extractor. J. O. Roberts. No. 1,105,535; July 28; Gaz. vol. 204; p. 1289.
- Screw-fastening device. W. H. Bristol. No. 1,106,342; Aug. 4; Gaz. vol. 205; p. 260.
- Screw-heads, Means for protecting countersunk. G. H. Holm. No. 1,105,658; Aug. 4; Gaz. vol. 205; p. 25.
- Screw-holder. H. Comb and A. L. Girard. No. 1,090,028; Mar. 10; Gaz. vol. 200; p. 512.
- Screw, Hydraulic. A. Gieger. No. 1,114,603; Oct. 20; Gaz. vol. 207; p. 849.
- Screw-jack. F. M. Patterson. No. 1,106,835; Aug. 11; Gaz. vol. 205; p. 481.
- Screw-jack. J. W. Snider. No. 1,106,009; Aug. 4; Gaz. vol. 205; p. 148.
- Screw-joint coupling for supply-pipes, Adjustable. P. Mueller and A. C. Schuermann. No. 1,091,692; Mar. 31; Gaz. vol. 200; p. 1197.
- Screw-machine. G. B. Pickop. No. 1,110,570; Sept. 15; Gaz. vol. 206; p. 688.

Alphabetical list of inventions—Continued.

- Screw-machines, Threading mechanism for multiple-spindle. H. M. Hunter. No. 1,111,385; Sept. 22; Gaz. vol. 206; p. 1014.
- Screw-machines, Turret-operating mechanism for automatic. J. H. Jann. No. 1,109,843; Sept. 8; Gaz. vol. 206; p. 389.
- Screw-making machines, Screw-head-slotting mechanism for. W. F. Reed. No. 1,085,631; Feb. 3; Gaz. vol. 199; p. 18.
- Screw-plate. C. C. Russell. No. 1,083,340; Jan. 6; Gaz. vol. 198; p. 27.
- Screw-plate. C. C. Russell. No. 1,091,167; Mar. 24; Gaz. vol. 200; p. 979.
- Screw-press. T. C. Schuyler. No. 1,096,199; May 12; Gaz. vol. 202; p. 384.
- Screw, Propeller. W. G. G. Weldinger. No. 1,123,152; Dec. 29; Gaz. vol. 209; p. 1640.
- Screw-propeller, Air. R. Kornmann. No. 1,093,633; Apr. 21; Gaz. vol. 201; p. 590.
- Screw-retaining device. E. E. Greaves. No. 1,105,647; Aug. 4; Gaz. vol. 205; p. 22.
- Screw, Set. R. E. Noble. No. 1,107,177; Aug. 11; Gaz. vol. 205; p. 600.
- Screw, Stage. P. Witte. No. 1,103,723; July 14; Gaz. vol. 204; p. 570.
- Screw-thread-cutting device. W. Murchey. No. 1,114,629; Oct. 20; Gaz. vol. 207; p. 857.
- Screw-threads, Chaser for cutting. R. M. Phelan. No. 1,104,541; July 21; Gaz. vol. 204; p. 894.
- Screw-threads in cylindrical metal articles, Forming. E. H. Douglas. No. 1,083,598; Jan. 6; Gaz. vol. 198; p. 112.
- Screw-threading die. W. E. Brace. No. 1,112,762; Oct. 6; Gaz. vol. 207; p. 125.
- Screws and screw-threads, Gage for verifying the dimensions of. J. Dubail. No. 1,092,827; Apr. 14; Gaz. vol. 201; p. 277.
- Screws, Machine for slotting and shaping the heads of. G. T. Warwick. No. 1,099,678; June 9; Gaz. vol. 203; p. 493.
- Screws, Making hollow set. E. N. Garrison. No. 1,098,716; June 2; Gaz. vol. 203; p. 123.
- Screwless holders, Safety appliance for. L. W. Andersen. No. 1,114,571; Oct. 20; Gaz. vol. 207; p. 839.
- Scrip-cutter. A. H. Roberts. No. 1,095,598; May 5; Gaz. vol. 202; p. 145.
- Scrip-holder. G. H. Cleveland. No. 1,103,739; July 14; Gaz. vol. 204; p. 576.
- Scrubber-fountain. P. Cunneen. No. 1,122,079; Dec. 22; Gaz. vol. 209; p. 1228.
- Scrubbing device. C. H. Clark. No. 1,086,512; Feb. 10; Gaz. vol. 199; p. 371.
- Scrubbing-machine. W. J. Lane. No. 1,118,870; Nov. 24; Gaz. vol. 208; p. 1305.
- Scrubbing mechanism. J. P. Raymond and C. E. Baker. No. 1,086,618; Feb. 10; Gaz. vol. 199; p. 409.
- Scupper. S. Kahn. No. 1,104,806; July 28; Gaz. vol. 204; p. 1033.
- Scythe. F. W. Shields. No. 1,095,179; Apr. 28; Gaz. vol. 201; p. 1180.
- Scythe. G. Streit. No. 1,102,814; July 7; Gaz. vol. 204; p. 207.
- Scythe-fastening device. W. E. Hewitt. No. 1,117,044; Nov. 10; Gaz. vol. 208; p. 588.
- Scythe-snap coupling. J. K. Champ. No. 1,101,164; June 23; Gaz. vol. 203; p. 1095.
- Seal. K. N. Cather. No. 1,087,081; Feb. 10; Gaz. vol. 199; p. 565.
- Seal. J. C. Davis. No. 1,088,810; Mar. 3; Gaz. vol. 200; p. 46.
- Seal. J. L. Dinsmoor. No. 1,122,871; Dec. 29; Gaz. vol. 209; p. 1541.
- Seal. J. L. Dinsmoor. No. 1,122,872; Dec. 29; Gaz. vol. 209; p. 1541.
- Seal. J. L. Dinsmoor. No. 1,122,873; Dec. 29; Gaz. vol. 209; p. 1541.
- Seal, Bottle. B. F. Colby. No. 1,117,792; Nov. 17; Gaz. vol. 208; p. 893.
- Seal, Box. C. D. Harrington. No. 1,097,019; May 19; Gaz. vol. 202; p. 707.
- Seal, Bung. J. M. Hothersall. No. 1,104,506; July 21; Gaz. vol. 204; p. 881.
- Seal-cap machine, Crown. J. W. Nichols. No. 1,098,354; May 26; Gaz. vol. 202; p. 1220.
- Seal, Car. F. Dow. No. 1,112,123; Sept. 29; Gaz. vol. 206; p. 1305.
- Seal, Car. S. F. Estell. No. 1,095,271; May 5; Gaz. vol. 202; p. 33.
- Seal, Car. E. E. Jameson. No. 1,102,512; July 7; Gaz. vol. 204; p. 101.
- Seal, Car. W. C. and C. R. Martineau. No. 1,115,952; Nov. 3; Gaz. vol. 208; p. 165.
- Seal, Car. H. R. Romberger. No. 1,084,112; Jan. 13; Gaz. vol. 198; p. 313.
- Seal, Car. H. J. Ward. No. 1,108,953; Sept. 1; Gaz. vol. 206; p. 33.
- Seal cutter, Box. L. R. Hagen. No. 1,109,286; Sept. 1; Gaz. vol. 206; p. 152.
- Seal-detaching device, Bottle. J. W. Stovall and J. T. Furniss. No. 1,090,422; Mar. 17; Gaz. vol. 200; p. 692.
- Seal, Envelop. W. J. Ringer. No. 1,083,411; Jan. 6; Gaz. vol. 198; p. 52.
- Seal-fastening. T. E. Murray. No. 1,105,037; July 28; Gaz. vol. 204; p. 1112.
- Seal for cars and other purposes. L. J. Campbell. No. 1,097,913; May 26; Gaz. vol. 202; p. 1068.
- Seal for containing-cases. C. E. Beach. No. 1,084,060; Jan. 13; Gaz. vol. 198; p. 295.
- Seal for jolt ramming-machines, Liquid. E. H. Mumford. No. 1,106,671; Aug. 11; Gaz. vol. 205; p. 424.
- Seal for receptacles, Hermetic. F. S. Hereth. No. 1,100,432; June 16; Gaz. vol. 203; p. 790.
- Seal for record-books. G. Matthews. No. 1,114,279; Oct. 20; Gaz. vol. 207; p. 736.
- Seal for vacuum-conductors, Conducting. C. A. Kraus. No. 1,093,997; Apr. 21; Gaz. vol. 201; p. 712.
- Seal, Gas-tight mechanical. C. Krämer. No. 1,097,552; May 19; Gaz. vol. 202; p. 893.
- Seal-lock. V. Del Lungo. No. 1,105,550; July 28; Gaz. vol. 204; p. 1294.
- Seal-lock. S. F. Happel. No. 1,111,065; Sept. 22; Gaz. vol. 206; p. 905.
- Seal-lock. P. B. Johnson. No. 1,093,135; Apr. 14; Gaz. vol. 201; p. 382.
- Seal-lock. R. H. Jones. No. 1,087,020; Feb. 10; Gaz. vol. 199; p. 545.
- Seal-lock. E. Tyden. No. 1,093,661; Apr. 21; Gaz. vol. 201; p. 599.
- Seal-lock. E. Tyden. No. 1,115,620; Nov. 3; Gaz. vol. 208; p. 51.
- Seal-lock. L. C. Weyand. No. 1,115,756; Nov. 3; Gaz. vol. 208; p. 98.
- Seal, Metallic envelop. J. B. Reissig. No. 1,094,932; Apr. 28; Gaz. vol. 201; p. 1093.
- Seal, Meter. J. G. Gorgen. No. 1,119,594; Dec. 1; Gaz. vol. 209; p. 239.
- Seal, Pipe-coupling. T. Bartholomew. No. 1,112,189; Sept. 29; Gaz. vol. 206; p. 1328.
- Seal, Protecting. C. A. Gillingham. No. 1,118,121; Nov. 24; Gaz. vol. 208; p. 1046.
- Seal, Self-locking. E. Tyden. No. 1,115,751; Nov. 3; Gaz. vol. 208; p. 97.
- Seal, Snap. E. J. Brooks. No. 1,092,820; Apr. 14; Gaz. vol. 201; p. 274.
- Seal, Snap. E. J. Brooks. No. 1,107,026; Aug. 11; Gaz. vol. 205; p. 545.
- Seal, Snap. W. M. Brooks. No. 1,093,250; Apr. 14; Gaz. vol. 201; p. 422.
- Seal, Snap. G. Gordon. No. 1,102,262; July 7; Gaz. vol. 204; p. 14.
- Seal, Trap or water. F. B. Mueller. No. 1,096,385; May 12; Gaz. vol. 202; p. 449.
- Seal, Vessel. J. A. Jones. No. 1,110,138; Sept. 8; Gaz. vol. 206; p. 498.
- Seals or closures between metal and vitreous material, Production of gas-tight. H. J. S. Sand and F. Reynolds. No. 1,118,812; Nov. 24; Gaz. vol. 208; p. 1285.
- Sealed receptacle. O. E. Glidden and A. S. Nico. No. 1,101,430; June 23; Gaz. vol. 203; p. 1185.
- Sealed receptacle, Inner. S. C. Yeaton. No. 1,108,961; Sept. 1; Gaz. vol. 206; p. 36.
- Sealer, Envelop. C. A. Blair. No. 1,092,471; Apr. 7; Gaz. vol. 201; p. 121.
- Sealer, Envelop. H. C. Osborn. No. 1,109,011; Sept. 1; Gaz. vol. 206; p. 54.
- Sealer, Envelop. C. C. Wallace. No. 1,112,343; Sept. 29; Gaz. vol. 206; p. 1383.
- Sealing and opening device, Can. E. D. Waterbury. (Re-issue.) No. 13,709; Mar. 31; Gaz. vol. 200; p. 1351.
- Sealing apparatus, Can. A. Malmquist. No. 1,099,756; June 9; Gaz. vol. 203; p. 518.
- Sealing apparatus, Can. A. K. Malmquist. No. 1,107,974; Aug. 18; Gaz. vol. 205; p. 927.
- Sealing apparatus for cans in vacuum. L. S. Maede. No. 1,119,361; Dec. 1; Gaz. vol. 209; p. 159.
- Sealing attachment for stapling-machines, Envelop. J. Muth. No. 1,109,355; Sept. 1; Gaz. vol. 206; p. 178.
- Sealing bottles. R. Rothman. No. 1,092,399; Apr. 7; Gaz. vol. 201; p. 94.
- Sealing bottles, Means for. O. G. Graham and A. Kilian. No. 1,117,371; Nov. 17; Gaz. vol. 208; p. 744.
- Sealing caissons and erecting concrete piles. E. G. Schmitt. No. 1,097,369; May 19; Gaz. vol. 202; p. 832.
- Sealing composition, Making a puncture. G. E. Seely. No. 1,117,526; Nov. 17; Gaz. vol. 208; p. 797.
- Sealing device. H. L. Doherty. No. 1,098,486; June 2; Gaz. vol. 203; p. 45.
- Sealing device. J. D. Houck. No. 1,100,372; June 16; Gaz. vol. 203; p. 768.
- Sealing device, Can. H. Mallick. No. 1,097,657; May 26; Gaz. vol. 202; p. 975.
- Sealing device, Car-door. H. V. Cookingham. No. 1,120,447; Dec. 8; Gaz. vol. 209; p. 573.
- Sealing device, Car-door. R. D. Moore. No. 1,113,040; Oct. 6; Gaz. vol. 207; p. 217.
- Sealing device, Cigarette-rod. E. D. Smith. No. 1,084,044; Jan. 13; Gaz. vol. 198; p. 290.
- Sealing device, Envelop. C. F. Hansen. No. 1,089,375; Mar. 3; Gaz. vol. 200; p. 238.
- Sealing device for envelops. E. E. Fleming. No. 1,117,992; Nov. 24; Gaz. vol. 208; p. 1001.

Alphabetical list of inventions—Continued.

- Sealing device for newspapers, &c. F. H. Beals. (Re-issue.) No. 1,375,4; June 23; Gaz. vol. 203; p. 1217.
- Sealing device for toilet-elbows, Temporary. P. Baker. No. 1,099,158; June 9; Gaz. vol. 203; p. 312.
- Sealing discharge-passages of centrifugalizing-machines and the like. S. H. Hall. No. 1,100,872; June 23; Gaz. vol. 203; p. 992.
- Sealing foil envelopes. A. Bryner. No. 1,121,709; Dec. 22; Gaz. vol. 209; p. 1098.
- Sealing food-packages. F. Graeber. No. 1,114,747; Oct. 27; Gaz. vol. 207; p. 952.
- Sealing-machine. O. A. Hanford. No. 1,116,696; Nov. 10; Gaz. vol. 208; p. 467.
- Sealing machine, Bottle-. B. Adrlance and A. Calleson. No. 1,096,521; May 12; Gaz. vol. 202; p. 495.
- Sealing machine, Bottle-. A. Calleson. No. 1,096,527; May 12; Gaz. vol. 202; p. 497.
- Sealing machine, Bottle-. H. T. Snyder. No. 1,089,875; Mar. 10; Gaz. vol. 200; p. 459.
- Sealing machine, Bottle-. W. F. Stone. No. 1,083,768; Jan. 6; Gaz. vol. 198; p. 169.
- Sealing machine, Carton-. G. A. Cullom. No. 1,118,475; Nov. 24; Gaz. vol. 208; p. 1171.
- Sealing machine, Carton-. H. L. Johnson. No. 1,118,424; Nov. 24; Gaz. vol. 208; p. 1152.
- Sealing machine, Carton-. F. B. Martin. No. 1,094,451; Apr. 28; Gaz. vol. 201; p. 923.
- Sealing machine, Envelop-. F. W. Carrington. No. 1,120,688; Dec. 15; Gaz. vol. 209; p. 706.
- Sealing machine, Envelop-. J. A. Markoe. No. 1,096,309; May 12; Gaz. vol. 202; p. 424.
- Sealing machine, Envelop-. D. G. Saunders, Jr. No. 1,119,457; Dec. 1; Gaz. vol. 209; p. 192.
- Sealing machine, Envelop-. S. B. White. No. 1,090,771; Mar. 17; Gaz. vol. 200; p. 808.
- Sealing machine, Package-. H. P. Forté. No. 1,094,139; Apr. 21; Gaz. vol. 201; p. 759.
- Sealing machine, Wrapper-. P. R. Colvin. No. 1,099,237; June 9; Gaz. vol. 203; p. 341.
- Sealing machine, Wrapper-. E. L. Sons, M. J. Baker, and A. Reitmeyer. No. 1,109,259; Sept. 1; Gaz. vol. 206; p. 143.
- Sealing-pack. E. D. Chellis. No. 1,115,506; Nov. 3; Gaz. vol. 208; p. 14.
- Sealing paper boxes, Machine for. C. P. Ricker. No. 1,084,298; Jan. 13; Gaz. vol. 198; p. 375.
- Sealing-press. L. S. Brady. No. 1,115,385; Oct. 27; Gaz. vol. 207; p. 1176.
- Sealing-ring. J. S. Carlitz. No. 1,095,810; May 5; Gaz. vol. 202; p. 218.
- Sealing-rings for glass or porcelain covers, Forming. T. L. Taliaferro. No. 1,089,093; Mar. 3; Gaz. vol. 200; p. 143.
- Sealing tool or chuck for bottles. G. Lidseen. No. 1,111,753; Sept. 29; Gaz. vol. 206; p. 1178.
- Sealing waxed papers, Apparatus for. R. Friend. No. 1,114,744; Oct. 27; Gaz. vol. 207; p. 951.
- Sealing wrapped packages, Appliance for. H. A. Sévigné. No. 1,104,740; July 21; Gaz. vol. 204; p. 961.
- Seam-cutter. W. Trafford. No. 1,095,606; May 5; Gaz. vol. 202; p. 148.
- Seam for sewed articles. G. S. Savignac and C. E. Myers. No. 1,114,533; Oct. 20; Gaz. vol. 207; p. 827.
- Seam for sewed articles. V. J. Van Horn. No. 1,100,508; June 16; Gaz. vol. 203; p. 815.
- Seam for sewed articles. V. J. Van Horn. No. 1,100,510; June 16; Gaz. vol. 203; p. 815.
- Seam for sewed articles, Ornamental. V. J. Van Horn. No. 1,100,507; June 16; Gaz. vol. 203; p. 814.
- Seam for sewed articles, Ornamental. V. J. Van Horn. No. 1,100,509; June 16; Gaz. vol. 203; p. 815.
- Seam of stitches for uniting materials at their abutting edges. E. A. Perry. No. 1,104,072; July 21; Gaz. vol. 204; p. 731.
- Seam-ripper. J. B. Kent. No. 1,098,578; June 2; Gaz. vol. 203; p. 78.
- Seam-ripper. L. Williams. No. 1,084,990; Jan. 20; Gaz. vol. 198; p. 634.
- Seaming-machine. F. E. Adams. No. 1,087,059; Feb. 10; Gaz. vol. 199; p. 557.
- Seaming machine, Can-. J. W. Nichols. No. 1,115,008; Oct. 27; Gaz. vol. 207; p. 1046.
- Seaming machine, Double-. J. J. Griffin and G. M. Peacock. No. 1,090,049; Mar. 10; Gaz. vol. 200; p. 519.
- Seaming machine, Double-. J. J. Griffin and G. M. Peacock. No. 1,091,836; Mar. 31; Gaz. vol. 200; p. 1249.
- Seaming machine, Double-. F. Wegner. No. 1,104,751; July 21; Gaz. vol. 204; p. 965.
- Search-light, Automobile. O. G. Luyties. No. 1,095,583; May 5; Gaz. vol. 202; p. 140.
- Search-light for automobiles and other vehicles, Swinging. F. Jackson. No. 1,097,588; May 19; Gaz. vol. 202; p. 906.
- Search-light, Intermittent. E. F. Giannattasio. No. 1,086,040; Feb. 3; Gaz. vol. 199; p. 165.
- Search-light mechanism. J. L. Hall. No. 1,105,771; Aug. 4; Gaz. vol. 205; p. 65.
- Search-light, Rear-end. J. D. Perkins. No. 1,092,450; Apr. 7; Gaz. vol. 201; p. 113.
- Seasoning instrument. C. F. Pauls. No. 1,083,940; Jan. 13; Gaz. vol. 198; p. 253.
- Seat: *See* Agricultural-machine spring-seat; Automobile-seat; Automobile auxiliary seat; Boat-seat; Car-seat; Closet-seat; Corner-seat; Cycle passenger-seat; Cycle rear seat; Cycle tandem seat; Folding seat; Privy-seat; Spring-seat; Toilet-seat; Vehicle-seat; Vehicle hinged seat; Water-closet seat.
- Seat. G. Banks. No. 1,094,293; Apr. 21; Gaz. vol. 201; p. 810.
- Seat. A. F. Draper. No. 1,114,452; Oct. 20; Gaz. vol. 207; p. 798.
- Seat. H. F. Meyer. No. 1,107,090; Aug. 11; Gaz. vol. 205; p. 567.
- Seat and walking-cane, Combined. J. W. Vallier. No. 1,089,295; Mar. 3; Gaz. vol. 200; p. 212.
- Seat cover, Sanitary toilet-. G. C. Elvers. No. 1,085,597; Feb. 3; Gaz. vol. 199; p. 7.
- Seat cover, Toilet or water-closet. R. D. Quackenbush. No. 1,088,090; Feb. 24; Gaz. vol. 199; p. 1017.
- Seat shield, Toilet-. A. G. Dahlgren. No. 1,109,904; Sept. 8; Gaz. vol. 206; p. 411.
- Seat-spring. J. T. Wilcox. No. 1,084,917; Jan. 20; Gaz. vol. 198; p. 611.
- Seat structure, Removable. R. F. Rogers. No. 1,103,315; July 14; Gaz. vol. 204; p. 427.
- Seat-support. F. F. and R. U. Hall. No. 1,118,762; Nov. 24; Gaz. vol. 208; p. 1268.
- Seat-support, Resilient. L. H. Cobb. No. 1,122,690; Dec. 29; Gaz. vol. 209; p. 1477.
- Seat-support, Resilient. L. H. Cobb. No. 1,122,691; Dec. 29; Gaz. vol. 209; p. 1477.
- Seats, Making. G. F. Danielson. No. 1,116,875; Nov. 10; Gaz. vol. 208; p. 530.
- Seaweeds for the extraction of their elements, Treatment of. M. P. P. Gloess, L. P. J. and E. R. Darrasse. No. 1,103,283; July 14; Gaz. vol. 204; p. 417.
- Secondary cells, Safety device for. M. R. Hutchison. No. 1,116,893; Nov. 10; Gaz. vol. 208; p. 536.
- Secondary or storage battery. B. Ford. No. 1,095,722; May 5; Gaz. vol. 202; p. 187.
- Secondary or storage battery. G. L. and G. J. A. Fuller. No. 1,092,253; Apr. 7; Gaz. vol. 201; p. 44.
- Sectional boiler. W. M. Butler. No. 1,089,747; Mar. 10; Gaz. vol. 200; p. 416.
- Sectional boiler. G. F. Fuchs. No. 1,107,510; Aug. 18; Gaz. vol. 205; p. 765.
- Sectional case. F. H. Rahm. No. 1,084,360; Jan. 13; Gaz. vol. 198; p. 395.
- Sectional shears for metal bars. W. J. Bradley. No. 1,108,689; Aug. 25; Gaz. vol. 205; p. 1223.
- Sectional trough. F. W. Carpenter. No. 1,110,419; Sept. 15; Gaz. vol. 206; p. 636.
- Securing device. M. J. Coffman. No. 1,102,002; June 30; Gaz. vol. 203; p. 1437.
- Securing means. T. H. Willis. No. 1,106,691; Aug. 11; Gaz. vol. 205; p. 430.
- Sediment collector and retainer. P. S. Gray. No. 1,098,347; May 26; Gaz. vol. 202; p. 1218.
- Sediment-trap. B. F. Cranwell and W. J. Robertson. No. 1,115,784; Nov. 3; Gaz. vol. 208; p. 106.
- Seed-cleaner. C. A. Lee. No. 1,109,428; Sept. 1; Gaz. vol. 206; p. 203.
- Seed-cleaner. G. M. Webster. No. 1,092,191; Apr. 7; Gaz. vol. 201; p. 23.
- Seed-cleaner and corn-grader. J. C. Benson. No. 1,091,275; Mar. 24; Gaz. vol. 200; p. 1014.
- Seed cleaning and separating machine. A. L. Critchfield. No. 1,112,685; Oct. 6; Gaz. vol. 207; p. 98.
- Seed-cleaning machine. O. F. Kime. No. 1,122,765; Dec. 29; Gaz. vol. 209; p. 1501.
- Seed-cotton cleaner and distributor. W. R. Lamb. No. 1,105,441; July 28; Gaz. vol. 204; p. 1256.
- Seed-crusher. J. A. Gardner. No. 1,097,420; May 19; Gaz. vol. 202; p. 849.
- Seed-delinting machine, Cotton-. K. Dougan. No. 1,092,983; Apr. 14; Gaz. vol. 201; p. 330.
- Seed-drill. C. H. Pelton. No. 1,107,344; Aug. 18; Gaz. vol. 205; p. 707.
- Seed-drill attachment. A. Bottom. No. 1,094,422; Apr. 28; Gaz. vol. 201; p. 913.
- Seed-drills, Seed-boot for. G. M. Winwood, Jr. No. 1,116,525; Nov. 10; Gaz. vol. 208; p. 404.
- Seed extractor, Fruit-. E. Bunzl. No. 1,083,918; Jan. 13; Gaz. vol. 198; p. 246.
- Seed-feeding device. H. B. Bozard. No. 1,112,431; Oct. 6; Gaz. vol. 207; p. 5.
- Seed-germinator and plant-forcer. R. McCloy. No. 1,109,687; Sept. 8; Gaz. vol. 206; p. 335.
- Seed-grading machine. E. A. Oliver. No. 1,089,433; Mar. 10; Gaz. vol. 200; p. 306.
- Seed-grading machine. E. W. Van Fleet. No. 1,108,282; Aug. 25; Gaz. vol. 205; p. 1084.
- Seed huller, Cotton-. R. W. McLean. No. 1,088,085; Feb. 24; Gaz. vol. 199; p. 1015.
- Seed huller, Cotton-. W. D. Nash. No. 1,116,611; Nov. 10; Gaz. vol. 208; p. 436.
- Seed linter, Cotton-. F. A. Hoefer. No. 1,114,475; Oct. 20; Gaz. vol. 207; p. 808.
- Seed linter, Cotton-. A. A. Vardell. No. 1,102,177; June 30; Gaz. vol. 203; p. 1498.
- Seed or like drill. R. N. and F. M. Lea. No. 1,105,570; July 28; Gaz. vol. 204; p. 1300.

Alphabetical list of inventions—Continued.

- Seed-separator. C. D. Pantaze. No. 1,118,221; Nov. 24; Gaz. vol. 208; p. 1080.
- Seed separator and cleaner, Cotton-. C. A. Hazer. No. 1,098,349; May 26; Gaz. vol. 202; p. 1218.
- Seed, Sterilizing and preserving cotton-. E. R. Barrow. No. 1,119,672; Dec. 1; Gaz. vol. 209; p. 265.
- Seed stripper and harvester. L. Palmer. No. 1,122,798; Dec. 29; Gaz. vol. 209; p. 1514.
- Seed-tester. I. L. Van Schoiack. No. 1,090,251; Mar. 17; Gaz. vol. 200; p. 631.
- Seed-testing apparatus. B. H. and W. C. Adams. No. 1,085,780; Feb. 3; Gaz. vol. 199; p. 73.
- Seed-testing bed. M. P. Reynolds. No. 1,094,813; Apr. 28; Gaz. vol. 201; p. 1052.
- Seeder. J. O. Greene. No. 1,105,075; July 28; Gaz. vol. 204; p. 1126.
- Seeder. J. L. Jones. No. 1,083,746; Jan. 6; Gaz. vol. 198; p. 162.
- Seeder and cultivator tooth. T. B. Rowell. No. 1,087,319; Feb. 17; Gaz. vol. 199; p. 701.
- Seeder and planter. F. W. Alcorn. No. 1,112,962; Oct. 6; Gaz. vol. 207; p. 192.
- Seeder and planter. S. E. Norris. No. 1,093,462; Apr. 14; Gaz. vol. 201; p. 492.
- Seeder and planter, Endless-chain. F. Wojcihoski. No. 1,084,768; Jan. 20; Gaz. vol. 198; p. 562.
- Seeder, &c., Corn-. J. C. Smith. No. 1,099,774; June 9; Gaz. vol. 203; p. 524.
- Seeder, Hand-. J. F. Rittenhouse. No. 1,096,950; May 19; Gaz. vol. 202; p. 685.
- Seeder or pitter, Cherry. J. H. Stanfield. No. 1,093,361; Apr. 14; Gaz. vol. 201; p. 460.
- Seeder or pitter, Cherry. J. H. Stanfield. No. 1,105,858; Aug. 4; Gaz. vol. 205; p. 95.
- Seeding and pulping machine, Tomato. R. V. Crine. No. 1,097,213; May 19; Gaz. vol. 202; p. 778.
- Seeding-machine. F. R. Packham and W. L. Braley. No. 1,111,175; Sept. 22; Gaz. vol. 206; p. 944.
- Seeding-machine, Disk-drill. T. B. Rowell. No. 1,087,320; Feb. 17; Gaz. vol. 199; p. 701.
- Segmental block. H. E. Miller. No. 1,107,689; Aug. 18; Gaz. vol. 205; p. 830.
- Seine, Drag-. E. E. Woodfield. No. 1,108,417; Aug. 25; Gaz. vol. 205; p. 1129.
- Seine-handling apparatus. P. Negovatch. No. 1,102,945; July 7; Gaz. vol. 204; p. 250.
- Selsmograph. T. O'Brien. No. 1,095,022; Apr. 28; Gaz. vol. 201; p. 1125.
- Selecting apparatus. O. A. Danielson. No. 1,086,899; Feb. 10; Gaz. vol. 199; p. 506.
- Selecting mechanism. A. E. Case. No. 1,097,002; May 19; Gaz. vol. 202; p. 702.
- Selective apparatus. G. H. Groce. No. 1,085,036; Jan. 20; Gaz. vol. 198; p. 651.
- Selective apparatus for systems of communication. E. E. Clement. No. 1,107,149; Aug. 11; Gaz. vol. 205; p. 589.
- Selective calling system. M. F. Geer and R. C. Leake. No. 1,119,692; Dec. 1; Gaz. vol. 209; p. 272.
- Selective mechanical operator. E. R. Gill. No. 1,105,194; July 28; Gaz. vol. 204; p. 1166.
- Selective system. S. C. Snow. No. 1,110,834; Sept. 15; Gaz. vol. 206; p. 781.
- Selector. A. M. Bullard. No. 1,106,922; Aug. 11; Gaz. vol. 205; p. 511.
- Selector. W. S. Burnett. No. 1,110,418; Sept. 15; Gaz. vol. 206; p. 635.
- Selector apparatus. H. O. Rugh. No. 1,112,841; Oct. 6; Gaz. vol. 207; p. 150.
- Selector, Automatic-exchange. E. B. Craft. No. 1,099,343; June 9; Gaz. vol. 203; p. 378.
- Selector, Multiple-brush. J. N. Reynolds. No. 1,122,642; Dec. 29; Gaz. vol. 209; p. 1459.
- Selector-switch. J. L. McQuarrie. No. 1,122,626; Dec. 29; Gaz. vol. 209; p. 1453.
- Selector-switch, Automatic. J. N. Reynolds. No. 1,091,765; Mar. 31; Gaz. vol. 200; p. 1223.
- Selector-switch for automatic exchanges. W. Kaisling. No. 1,110,492; Sept. 15; Gaz. vol. 206; p. 662.
- Selenium-cell regulator. M. Moskowitz. No. 1,107,438; Aug. 18; Gaz. vol. 205; p. 741.
- Self-basting roaster. W. A. Stork. No. 1,091,445; Mar. 24; Gaz. vol. 200; p. 1068.
- Self-cleaning rake. W. F. Bahr. No. 1,094,770; Apr. 28; Gaz. vol. 201; p. 1038.
- Self-cleaning rake. J. W. Dowdle. No. 1,092,522; Apr. 7; Gaz. vol. 201; p. 138.
- Self-cleaning rake. A. J. Hayden. No. 1,095,966; May 5; Gaz. vol. 202; p. 268.
- Self-cleaning rake, Reversible. J. G. Crozer. No. 1,105,495; July 28; Gaz. vol. 204; p. 1275.
- Self-cleaning screen. F. O. Stromborg. No. 1,100,793; June 23; Gaz. vol. 203; p. 965.
- Self-closing can. W. H. McNutt. No. 1,122,623; Dec. 29; Gaz. vol. 209; p. 1452.
- Self-leveling table. J. Eberwein. No. 1,092,638; Apr. 7; Gaz. vol. 201; p. 179.
- Self-lighting burner. F. A. Butler. No. 1,088,320; Feb. 24; Gaz. vol. 199; p. 1094.
- Self-locking pen. W. E. Woodard. No. 1,111,513; Sept. 22; Gaz. vol. 206; p. 1058.
- Self-opening die. O. A. Smith. No. 1,085,762; Feb. 3; Gaz. vol. 199; p. 66.
- Self-propelled wheel. C. F. Linderth. No. 1,101,201; June 23; Gaz. vol. 203; p. 1108.
- Self-setting trap. C. Gleckler. No. 1,115,809; Nov. 3; Gaz. vol. 208; p. 115.
- Self-starter. G. F. Trotter. No. 1,114,069; Oct. 20; Gaz. vol. 207; p. 660.
- Self-starter. A. Winton. No. 1,113,852; Oct. 13; Gaz. vol. 207; p. 546.
- Semaphore-arm. J. W. Fenton. No. 1,114,684; Oct. 20; Gaz. vol. 207; p. 877.
- Sender. J. A. Kropp. No. 1,122,615; Dec. 29; Gaz. vol. 209; p. 1449.
- Separable connection. W. J. Roach. No. 1,099,100; June 2; Gaz. vol. 203; p. 248.
- Separating apparatus. W. S. Ayres. No. 1,094,621; Apr. 28; Gaz. vol. 201; p. 983.
- Separating apparatus. F. H. Mason and T. B. Griffin. No. 1,086,195; Feb. 3; Gaz. vol. 199; p. 217.
- Separating apparatus. W. E. Trent. No. 1,097,896; May 26; Gaz. vol. 202; p. 1060.
- Separating device. B. H. Reddy. No. 1,116,485; Nov. 10; Gaz. vol. 208; p. 388.
- Separating heavy and light comminuted materials, Means for. J. D. Nairne. No. 1,088,443; Feb. 24; Gaz. vol. 199; p. 1136.
- Separating-machine. T. O. Ballard. No. 1,086,011; Feb. 3; Gaz. vol. 199; p. 155.
- Separating-machine, Centrifugal. B. Hoffman. No. 1,101,548; June 30; Gaz. vol. 203; p. 1278.
- Separating-machine, Centrifugal. B. Hoffman. No. 1,101,549; June 30; Gaz. vol. 203; p. 1278.
- Separating solid matter, more particularly cellular matter, from liquids, Apparatus for. B. Hofer. No. 1,108,095; Aug. 18; Gaz. vol. 205; p. 971.
- Separating-tank. T. H. Schutt. No. 1,116,931; Nov. 10; Gaz. vol. 208; p. 549.
- Separating the rare earths, together with thorium, cerium, and zirconium, by electrolysis. L. M. Dennis. No. 1,115,513; Nov. 3; Gaz. vol. 208; p. 16.
- Separation of materials, Effecting the. R. Jaffé. No. 1,109,529; Sept. 1; Gaz. vol. 206; p. 235.
- Separation of organic compounds at low temperatures. W. E. Masland. No. 1,087,961; Feb. 24; Gaz. vol. 199; p. 971.
- Separator. *See* Battery-plate separator; Beer and hops separator; Belt-separator; Butter-separator; Centrifugal separator; Cream-separator; Dust-separator; Egg-separator; Electromagnetic separator; Electrostatic separator; Fluid-separator; Fruit-separator; Gasoline and oil separator; Gasoline and water separator; Grain-separator; Grease-separator; Liquid-separator; Magnetic separator; Oil-separator; Oil and gasoline separator; Oil and water separator; Ore-separator; Seed-separator; Sewage and refuse separator; Slime-separator; Steam-separator; Threshing-machine separator.
- Separator. J. M. Allen. No. 1,107,472; Aug. 18; Gaz. vol. 205; p. 753.
- Separator. G. A. Amedick. No. 1,101,775; June 30; Gaz. vol. 203; p. 1355.
- Separator. A. Bighetti. No. 1,085,528; Jan. 27; Gaz. vol. 198; p. 855.
- Separator. A. A. Bowser. No. 1,107,485; Aug. 18; Gaz. vol. 205; p. 758.
- Separator. R. W. Dull. No. 1,100,059; June 16; Gaz. vol. 203; p. 659.
- Separator. H. P. Ewell. No. 1,091,917; Mar. 31; Gaz. vol. 200; p. 1277.
- Separator. C. Jaquet. No. 1,111,261; Sept. 22; Gaz. vol. 206; p. 973.
- Separator. H. O. Johnson. No. 1,092,719; Apr. 7; Gaz. vol. 201; p. 204.
- Separator. P. Kropp. No. 1,104,051; July 21; Gaz. vol. 204; p. 723.
- Separator. H. Martinson. No. 1,111,227; Sept. 22; Gaz. vol. 206; p. 961.
- Separator. F. H. Mason. No. 1,117,876; Nov. 17; Gaz. vol. 208; p. 921.
- Separator. T. P. McDermott. No. 1,121,270; Dec. 15; Gaz. vol. 209; p. 909.
- Separator. W. I. Morgan. No. 1,091,947; Mar. 31; Gaz. vol. 200; p. 1287.
- Separator. H. C. Stahn. No. 1,086,477; Feb. 10; Gaz. vol. 199; p. 359.
- Separator and classifier for placer material, ground ore, &c. E. B. Goodwin. No. 1,122,908; Dec. 29; Gaz. vol. 209; p. 1553.
- Separator and grader. J. W. Linkhart. No. 1,112,302; Sept. 29; Gaz. vol. 206; p. 1368.
- Separator-disks, Device for cleaning. H. McCornack. No. 1,090,554; Mar. 17; Gaz. vol. 200; p. 738.
- Separator leveling attachment. A. Athman. No. 1,122,056; Dec. 22; Gaz. vol. 209; p. 1221.
- Separator mechanism. G. D. Beaston. No. 1,110,283; Sept. 8; Gaz. vol. 206; p. 548.
- Separator-skimmers, Apparatus for washing. P. L. Kimball. No. 1,121,731; Dec. 22; Gaz. vol. 209; p. 1106.
- Separator-trap. E. C. Kelly, Jr. No. 1,085,135; Jan. 27; Gaz. vol. 198; p. 721.

Alphabetical list of inventions—Continued.

- Separator-trap. E. C. Kelly, Jr. No. 1,123,128; Dec. 29; Gaz. vol. 209; p. 1630.
- Separators, Straw-deck for. W. C. Wachter. No. 1,114,073; Oct. 20; Gaz. vol. 207; p. 662.
- Septic tank for sewage disposal. T. I. Weston. No. 1,120,351; Dec. 8; Gaz. vol. 209; p. 539.
- Sequence-switch. F. R. McBerty. No. 1,105,811; Aug. 4; Gaz. vol. 205; p. 79.
- Sericulture. M. H. Mead. No. 1,096,116; May 12; Gaz. vol. 202; p. 357.
- Server for automatic serving systems. J. Doyle. No. 1,098,788; June 2; Gaz. vol. 203; p. 146.
- Service-meter. J. N. Reynolds. No. 1,097,363; May 19; Gaz. vol. 202; p. 830.
- Service-meter, Substation. J. G. Roberts. No. 1,097,366; May 19; Gaz. vol. 202; p. 831.
- Service-switch, Automatic. R. E. Wetter. No. 1,092,415; Apr. 7; Gaz. vol. 201; p. 100.
- Serving device. C. A. McGraw. No. 1,116,605; Nov. 10; Gaz. vol. 208; p. 434.
- Serving device. F. T. M. Schindeler. No. 1,103,225; July 14; Gaz. vol. 204; p. 397.
- Serving-machine. F. E. Ames. No. 1,094,047; Apr. 21; Gaz. vol. 201; p. 728.
- Serving-table and book-rest, Adjustable. S. Labedzki. No. 1,117,062; Nov. 10; Gaz. vol. 208; p. 595.
- Set-works. W. H. Trout. No. 1,097,271; May 19; Gaz. vol. 202; p. 799.
- Settee, Folding. P. A. Johnson. No. 1,110,695; Sept. 15; Gaz. vol. 206; p. 733.
- Setting. L. E. Ladd. No. 1,114,370; Oct. 20; Gaz. vol. 207; p. 767.
- Settling-tank. A. D. Wyckoff. No. 1,102,463; July 7; Gaz. vol. 204; p. 85.
- Seyering device. R. E. Rosewarne. No. 1,095,599; May 5; Gaz. vol. 202; p. 146.
- Sewage and refuse separator. B. Kaibel. No. 1,093,994; Apr. 21; Gaz. vol. 201; p. 712.
- Sewage and the like, Treatment of. N. Testrup. No. 1,116,953; Nov. 10; Gaz. vol. 208; p. 556.
- Sewage, Centrifugal apparatus for treating. J. Bromet, F. Thorman, and H. C. Wood. No. 1,098,554; June 2; Gaz. vol. 203; p. 70.
- Sewage disposal. R. W. Pratt. No. 1,122,155; Dec. 22; Gaz. vol. 209; p. 1252.
- Sewage disposal. R. W. Pratt. No. 1,122,156; Dec. 22; Gaz. vol. 209; p. 1253.
- Sewage-disposal and water-purification apparatus. A. T. Nabstedt. No. 1,115,857; Nov. 3; Gaz. vol. 208; p. 133.
- Sewage-disposal plants, Controlling apparatus for. A. Hellmuth and S. Maulbeck. No. 1,107,788; Aug. 18; Gaz. vol. 205; p. 865.
- Sewage-distributor. J. W. and C. J. Hartley. No. 1,106,212; Aug. 4; Gaz. vol. 205; p. 218.
- Sewage or the like, Apparatus for purifying. W. O. Travis and E. Ault. No. 1,101,106; June 23; Gaz. vol. 203; p. 1075.
- Sewage-tank for the purification of sewage. E. Seubert. No. 1,102,553; July 7; Gaz. vol. 204; p. 116.
- Sewage, &c., Treatment of. J. C. Butterfield. No. 1,122,474; Dec. 29; Gaz. vol. 209; p. 1399.
- Sewage, Treatment of. T. K. Irwin. No. 1,083,833; Jan. 6; Gaz. vol. 198; p. 188.
- Sewer-agitator. A. W. Shirk. No. 1,110,832; Sept. 15; Gaz. vol. 206; p. 781.
- Sewer, aqueduct, or like conduit. W. C. Flannery. No. 1,120,706; Dec. 15; Gaz. vol. 209; p. 711.
- Sewer-block. A. S. McCombe. No. 1,087,172; Feb. 17; Gaz. vol. 199; p. 649.
- Sewer-cleaner. W. J. Stevenson. No. 1,102,304; July 7; Gaz. vol. 204; p. 29.
- Sewer-cleaning device. J. Kelly. No. 1,117,192; Nov. 17; Gaz. vol. 208; p. 680.
- Sewer-cleaning means. J. Bruce. No. 1,087,721; Feb. 17; Gaz. vol. 199; p. 844.
- Sewer construction. J. M. Conkle. No. 1,110,898; Sept. 15; Gaz. vol. 206; p. 805.
- Sewer-inlet. J. H. MacDonald. No. 1,107,812; Aug. 18; Gaz. vol. 205; p. 872.
- Sewer-inlets, Mold for making. E. B. Hiatt. No. 1,090,211; Mar. 17; Gaz. vol. 200; p. 617.
- Sewer or storm-drain construction and forming the same. C. H. Frost. No. 1,093,612; Apr. 21; Gaz. vol. 201; p. 582.
- Sewer-pipe presses, Lowering-device regulator for. J. F. Keenan. No. 1,100,079; June 16; Gaz. vol. 203; p. 667.
- Sewer-trap. T. Smith. No. 1,101,043; June 23; Gaz. vol. 203; p. 1055.
- Sewers, Catch-basin for. M. Mulloy, Sr. No. 1,107,096; Aug. 11; Gaz. vol. 205; p. 568.
- Sewerage system. H. C. Huff. No. 1,092,649; Apr. 7; Gaz. vol. 201; p. 182.
- Sewerage system. I. Shone. No. 1,108,011; Aug. 18; Gaz. vol. 205; p. 941.
- Sewed articles, Circular seam for. M. Druckerman. No. 1,091,428; Mar. 24; Gaz. vol. 200; p. 1063.
- Sewed articles, Seam for. E. B. Allen. No. 1,115,649; Nov. 3; Gaz. vol. 208; p. 62.
- Sewed articles, Seam for. H. J. Dahl. No. 1,109,515; Sept. 1; Gaz. vol. 206; p. 230.
- Sewed articles, Seam for. C. M. Horton. No. 1,106,565; Aug. 11; Gaz. vol. 205; p. 387.
- Sewing and cutting machine, Overedge. C. M. Abercrombie. No. 1,098,003; May 26; Gaz. vol. 202; p. 1099.
- Sewing and embroidering machine, Hemstitch. R. Cornely. No. 1,090,136; Mar. 17; Gaz. vol. 200; p. 590.
- Sewing and ruffling machine. R. G. Woodward. No. 1,115,145; Oct. 27; Gaz. vol. 207; p. 1095.
- Sewing and trimming machine. A. F. Hilton. No. 1,116,701; Nov. 10; Gaz. vol. 208; p. 469.
- Sewing attachment, Button. H. H. Holdaway. No. 1,108,074; Aug. 18; Gaz. vol. 205; p. 963.
- Sewing books and eyes and loops on cards, Machine for. W. C. Diefenbach. No. 1,121,901; Dec. 22; Gaz. vol. 209; p. 1166.
- Sewing looped fabrics, Machine for. W. Rieck and E. E. Randall. No. 1,107,704; Aug. 18; Gaz. vol. 205; p. 835.
- Sewing loops onto cards, Machine for. W. C. Diefenbach. No. 1,121,902; Dec. 22; Gaz. vol. 209; p. 1166.
- Sewing-machine. H. Briggs. No. 1,098,011; May 26; Gaz. vol. 202; p. 1102.
- Sewing-machine. L. Bulasky. No. 1,093,971; Apr. 21; Gaz. vol. 201; p. 703.
- Sewing-machine. F. Chateaufneuf. No. 1,109,201; Sept. 1; Gaz. vol. 206; p. 123.
- Sewing-machine. J. Dashew. No. 1,116,679; Nov. 10; Gaz. vol. 208; p. 462.
- Sewing-machine. J. Dashew. No. 1,120,289; Dec. 8; Gaz. vol. 209; p. 516.
- Sewing-machine. M. Druckerman. No. 1,108,347; Aug. 25; Gaz. vol. 205; p. 1106.
- Sewing-machine. M. Druckerman. No. 1,108,348; Aug. 25; Gaz. vol. 205; p. 1106.
- Sewing-machine. A. Eppler. No. 1,114,240; Oct. 20; Gaz. vol. 207; p. 723.
- Sewing-machine. J. Fink. No. 1,107,599; Aug. 18; Gaz. vol. 205; p. 797.
- Sewing-machine. L. Goddu. No. 1,106,800; Aug. 11; Gaz. vol. 205; p. 467.
- Sewing-machine. J. C. Goodwin. No. 1,088,339; Feb. 24; Gaz. vol. 199; p. 1101.
- Sewing-machine. C. T. E. Gould. No. 1,086,662; Feb. 10; Gaz. vol. 199; p. 423.
- Sewing-machine. C. T. E. Gould. No. 1,087,165; Feb. 17; Gaz. vol. 199; p. 646.
- Sewing-machine. C. T. E. Gould. No. 1,119,272; Dec. 1; Gaz. vol. 209; p. 127.
- Sewing-machine. C. F. Gray. No. 1,115,663; Nov. 3; Gaz. vol. 208; p. 68.
- Sewing-machine. C. F. Gray and F. S. Woodhead. No. 1,111,828; Sept. 29; Gaz. vol. 206; p. 1206.
- Sewing-machine. J. Greenwood. No. 1,115,926; Nov. 3; Gaz. vol. 208; p. 157.
- Sewing-machine. J. H. Hagan. No. 1,087,489; Feb. 17; Gaz. vol. 199; p. 761.
- Sewing-machine. J. Heberling. No. 1,118,417; Nov. 24; Gaz. vol. 208; p. 1149.
- Sewing-machine. J. Heggie. No. 1,094,715; Apr. 28; Gaz. vol. 201; p. 1020.
- Sewing-machine. G. S. Hill. No. 1,094,896; Apr. 28; Gaz. vol. 201; p. 1080.
- Sewing-machine. R. K. Hohmann. No. 1,109,989; Sept. 8; Gaz. vol. 206; p. 442.
- Sewing-machine. H. Houston. No. 1,103,587; July 14; Gaz. vol. 204; p. 522.
- Sewing-machine. A. E. Jerram. No. 1,120,201; Dec. 8; Gaz. vol. 209; p. 485.
- Sewing-machine. J. Kiewicz. No. 1,118,290; Nov. 24; Gaz. vol. 208; p. 1103.
- Sewing-machine. J. Kiewicz. No. 1,121,106; Dec. 15; Gaz. vol. 209; p. 854.
- Sewing-machine. J. Leatham. No. 1,099,655; June 9; Gaz. vol. 203; p. 484.
- Sewing-machine. G. E. Molyneux. No. 1,084,223; Jan. 13; Gaz. vol. 198; p. 352.
- Sewing-machine. G. E. Molyneux. No. 1,111,167; Sept. 22; Gaz. vol. 206; p. 941.
- Sewing-machine. F. J. Nash. No. 1,087,602; Feb. 17; Gaz. vol. 199; p. 800.
- Sewing-machine. F. J. Nash. No. 1,101,208; June 23; Gaz. vol. 203; p. 1111.
- Sewing-machine. J. L. Ohlson. No. 1,100,441; June 16; Gaz. vol. 203; p. 793.
- Sewing-machine. L. Onderdonk and R. G. Woodward. No. 1,116,726; Nov. 10; Gaz. vol. 208; p. 477.
- Sewing-machine. F. A. Reece and J. Kiewicz. No. 1,088,624; Feb. 24; Gaz. vol. 199; p. 1194.
- Sewing-machine. F. H. Richards. No. 1,088,626; Feb. 24; Gaz. vol. 199; p. 1195.
- Sewing-machine. J. C. Ringe. No. 1,100,913; June 23; Gaz. vol. 203; p. 1008.
- Sewing-machine. J. C. Ringe. No. 1,116,629; Nov. 10; Gaz. vol. 208; p. 444.
- Sewing-machine. M. Sandt. No. 1,097,675; May 26; Gaz. vol. 202; p. 982.
- Sewing-machine. A. R. Schoenky. No. 1,085,093; Jan. 20; Gaz. vol. 198; p. 670.
- Sewing-machine. D. S. Seymour. No. 1,100,497; June 16; Gaz. vol. 203; p. 811.

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- Sewing-machine. J. Vannette. No. 1,096,407; May 12; Gaz. vol. 202; p. 456.
- Sewing-machine. J. P. Weis. No. 1,118,709; Nov. 24; Gaz. vol. 208; p. 1251.
- Sewing-machine. E. E. Winkley. No. 1,091,101; Mar. 24; Gaz. vol. 200; p. 955.
- Sewing-machine. R. G. Woodward. No. 1,118,092; Nov. 24; Gaz. vol. 208; p. 1035.
- Sewing-machine and looper therefor. R. G. Woodward. No. 1,121,219; Dec. 15; Gaz. vol. 209; p. 892.
- Sewing-machine and throat-plate and spreader-guard therefor. Overseaming. R. G. Woodward. No. 1,098,205; May 26; Gaz. vol. 202; p. 1168.
- Sewing-machine attachment. A. Ayob. No. 1,122,243; Dec. 29; Gaz. vol. 209; p. 1323.
- Sewing-machine attachment. E. J. Boyler. No. 1,085,104; Jan. 27; Gaz. vol. 198; p. 710.
- Sewing-machine attachment. J. Hudson. No. 1,093,185; Apr. 14; Gaz. vol. 201; p. 399.
- Sewing-machine attachment. W. Maechler. No. 1,117,206; Nov. 17; Gaz. vol. 208; p. 685.
- Sewing-machine attachment. W. Morrison. No. 1,095,659; May 5; Gaz. vol. 202; p. 166.
- Sewing-machine attachment. W. H. Raplee. No. 1,103,836; July 14; Gaz. vol. 204; p. 608.
- Sewing-machine attachment. M. E. Tynes. No. 1,085,307; Jan. 27; Gaz. vol. 198; p. 782.
- Sewing-machine attachment. Buttonhole-. B. M. Krell. No. 1,101,746; June 30; Gaz. vol. 203; p. 1345.
- Sewing-machine attachment-holder. E. J. Boyler and H. M. Greist. No. 1,085,105; Jan. 27; Gaz. vol. 198; p. 711.
- Sewing-machine attachment-holder. H. M. Greist. No. 1,107,931; Aug. 18; Gaz. vol. 205; p. 912.
- Sewing-machine attachment. Work-feeding. W. S. Mills. No. 1,119,098; Dec. 1; Gaz. vol. 209; p. 70.
- Sewing-machine attachment. Work-feeding. W. S. Mills. No. 1,119,099; Dec. 1; Gaz. vol. 209; p. 70.
- Sewing-machine attachment. Work-feeding. W. S. Mills. No. 1,119,100; Dec. 1; Gaz. vol. 209; p. 71.
- Sewing-machine. Automatic embroidery or ornamental-stitch. W. W. Parkes. No. 1,119,449; Dec. 1; Gaz. vol. 209; p. 189.
- Sewing machine, Bag-. L. A. Baudoin. No. 1,111,877; Sept. 29; Gaz. vol. 206; p. 1225.
- Sewing-machine, Blindstitch. C. Atherton. No. 1,083,651; Jan. 6; Gaz. vol. 198; p. 130.
- Sewing-machine, Blindstitch. W. E. Bailey. No. 1,091,619; Mar. 31; Gaz. vol. 200; p. 1173.
- Sewing-machine, Blindstitch. L. Onderdonk. No. 1,119,110; Dec. 1; Gaz. vol. 209; p. 74.
- Sewing machine, Book-. J. Griesinger. No. 1,093,694; Apr. 21; Gaz. vol. 201; p. 613.
- Sewing machine, Book-. F. Kugler. No. 1,088,348; Feb. 24; Gaz. vol. 199; p. 1104.
- Sewing machine, Boot and shoe. J. W. Wilson. No. 1,110,024; Sept. 8; Gaz. vol. 206; p. 454.
- Sewing-machine braid-guide. A. Schneider. No. 1,109,254; Sept. 1; Gaz. vol. 206; p. 141.
- Sewing-machine braiding attachment. H. M. Greist. No. 1,101,275; June 23; Gaz. vol. 203; p. 1132.
- Sewing machine, Button-. C. A. Anderson. No. 1,083,907; Jan. 13; Gaz. vol. 198; p. 243.
- Sewing machine, Button-. W. L. Barron. No. 1,085,786; Feb. 3; Gaz. vol. 199; p. 75.
- Sewing machine, Button-. W. L. Barron. No. 1,093,241; Apr. 14; Gaz. vol. 201; p. 419.
- Sewing machine, Button-. E. F. Burke. No. 1,120,274; Dec. 8; Gaz. vol. 209; p. 511.
- Sewing machine, Button-. H. Corral. No. 1,086,651; Feb. 10; Gaz. vol. 199; p. 420.
- Sewing machine, Button-. H. W. Morris. No. 1,087,601; Feb. 17; Gaz. vol. 199; p. 800.
- Sewing machine, Buttonhole-. C. A. Dahl. No. 1,088,652; Feb. 24; Gaz. vol. 199; p. 1203.
- Sewing machine, Buttonhole-. G. S. Hill. No. 1,088,420; Feb. 24; Gaz. vol. 199; p. 1127.
- Sewing machine, Buttonhole-. G. S. Hill. No. 1,106,810; Aug. 11; Gaz. vol. 205; p. 472.
- Sewing machine, Buttonhole-. J. T. Hogan. No. 1,085,910; Feb. 3; Gaz. vol. 199; p. 117.
- Sewing machine, Buttonhole-. J. Kiewicz. No. 1,083,284; Jan. 6; Gaz. vol. 198; p. 8.
- Sewing-machine buttonhole attachment. J. Jessen. No. 1,116,072; Nov. 3; Gaz. vol. 208; p. 207.
- Sewing-machine chain-severing device. D. S. Seymour. No. 1,114,542; Oct. 20; Gaz. vol. 207; p. 830.
- Sewing-machine chain-severing device. D. S. Seymour. No. 1,118,589; Nov. 24; Gaz. vol. 208; p. 1211.
- Sewing-machine, Chain-stitch. A. H. De Voe. No. 1,107,659; Aug. 18; Gaz. vol. 205; p. 820.
- Sewing-machine, Chain-stitch. M. Hemleb. No. 1,107,302; Aug. 18; Gaz. vol. 205; p. 690.
- Sewing-machine, Chain-stitch. C. P. Holmes. No. 1,116,353; Nov. 3; Gaz. vol. 208; p. 302.
- Sewing machine, Chain-stitch shoe-. H. A. Ballard. No. 1,110,863; Sept. 15; Gaz. vol. 206; p. 792.
- Sewing machine, Chain-stitch shoe-. H. A. Ballard. No. 1,117,304; Nov. 17; Gaz. vol. 208; p. 721.
- Sewing-machine cutting attachment. G. W. Parkinson and R. S. Tompkins. No. 1,103,825; July 14; Gaz. vol. 204; p. 604.
- Sewing-machine cutting mechanism. J. Bigelow. No. 1,117,160; Nov. 17; Gaz. vol. 208; p. 667.
- Sewing-machine edge-guide. J. M. Merrow. No. 1,094,858; Apr. 28; Gaz. vol. 201; p. 1068.
- Sewing-machine fabric-guiding attachment. A. Rontke. No. 1,111,862; Sept. 29; Gaz. vol. 206; p. 1220.
- Sewing-machine fan attachment. J. D. Warrell. No. 1,114,076; Oct. 20; Gaz. vol. 207; p. 663.
- Sewing-machine feed-actuating mechanism. M. Sandt. No. 1,118,059; Nov. 24; Gaz. vol. 208; p. 1024.
- Sewing-machine feed mechanism. L. Bulasky. No. 1,085,401; Jan. 27; Gaz. vol. 198; p. 814.
- Sewing-machine feed mechanism. R. K. Hohmann. No. 1,110,629; Sept. 15; Gaz. vol. 206; p. 710.
- Sewing-machine feed-regulator. P. Diehl and H. Eichhorn. No. 1,118,271; Nov. 24; Gaz. vol. 208; p. 1096.
- Sewing-machine feeding mechanism. A. Grieb. No. 1,111,829; Sept. 29; Gaz. vol. 206; p. 1207.
- Sewing-machine feeding mechanism. W. H. Hugg. No. 1,100,373; June 16; Gaz. vol. 203; p. 768.
- Sewing-machine feeding mechanism. W. A. Mack. No. 1,089,420; Mar. 10; Gaz. vol. 200; p. 301.
- Sewing-machine feeding mechanism. C. McNeil. No. 1,112,078; Sept. 29; Gaz. vol. 206; p. 1290.
- Sewing-machine feeding mechanism. G. E. Molyneux. No. 1,097,346; May 19; Gaz. vol. 202; p. 825.
- Sewing-machine feeding mechanism. L. Onderdonk. No. 1,115,096; Oct. 27; Gaz. vol. 207; p. 1077.
- Sewing-machine feeding mechanism. L. Onderdonk. No. 1,121,127; Dec. 15; Gaz. vol. 209; p. 861.
- Sewing-machine feeding mechanism. A. D. Smith. No. 1,107,718; Aug. 18; Gaz. vol. 205; p. 840.
- Sewing-machine feeding mechanism. J. P. Weis. No. 1,088,752; Mar. 3; Gaz. vol. 200; p. 28.
- Sewing-machine finger-guard. F. D. Martin. No. 1,091,363; Mar. 24; Gaz. vol. 200; p. 1042.
- Sewing-machine folder. C. L. Rathbun. No. 1,123,006; Dec. 29; Gaz. vol. 209; p. 1588.
- Sewing-machine folding attachment. D. Zeiser. No. 1,108,419; Aug. 25; Gaz. vol. 205; p. 1129.
- Sewing-machine folding device. C. L. Cone. No. 1,115,400; Oct. 27; Gaz. vol. 207; p. 1181.
- Sewing-machine for attaching labels. A. Rosenthal. No. 1,111,494; Sept. 22; Gaz. vol. 206; p. 1052.
- Sewing-machine for making thread buttons. H. Laula. No. 1,105,354; July 28; Gaz. vol. 204; p. 1226.
- Sewing-machine gage. P. Ciolino. No. 1,094,122; Apr. 21; Gaz. vol. 201; p. 754.
- Sewing-machine gage. A. L. Frosterus. No. 1,111,651; Sept. 22; Gaz. vol. 206; p. 1107.
- Sewing-machine guide. T. F. Dennison. No. 1,109,404; Sept. 1; Gaz. vol. 206; p. 195.
- Sewing-machine guide. H. M. Greist. No. 1,101,274; June 23; Gaz. vol. 203; p. 1132.
- Sewing-machine guide. W. J. Martus. No. 1,103,795; July 14; Gaz. vol. 204; p. 594.
- Sewing-machine hand-wheel clutch. G. E. Molyneux and F. Pech. No. 1,111,168; Sept. 22; Gaz. vol. 206; p. 941.
- Sewing-machine head. A. G. Cooper. No. 1,087,216; Feb. 17; Gaz. vol. 199; p. 665.
- Sewing-machine hemmer and the like. E. J. Boyler. No. 1,109,898; Sept. 8; Gaz. vol. 206; p. 409.
- Sewing-machine hemming attachment. W. Nicholson. No. 1,117,890; Nov. 17; Gaz. vol. 208; p. 925.
- Sewing-machine, High-speed revolving-hook. R. K. Hohmann. No. 1,096,369; May 12; Gaz. vol. 202; p. 444.
- Sewing-machine hook-holding device. H. B. Lyons. No. 1,101,134; June 23; Gaz. vol. 203; p. 1085.
- Sewing machine, Insole-lip-. A. E. Johnson. No. 1,089,473; Mar. 10; Gaz. vol. 200; p. 321.
- Sewing machine, Insole-lip-. A. E. Johnson. No. 1,089,474; Mar. 10; Gaz. vol. 200; p. 321.
- Sewing machine, Leather-. O. E. Hoffman. No. 1,119,017; Dec. 1; Gaz. vol. 209; p. 41.
- Sewing machine, Leather-. L. Rosenthal. No. 1,085,487; Jan. 27; Gaz. vol. 198; p. 841.
- Sewing machine, Lock-stitch shoe-. H. A. Ballard. No. 1,098,874; June 2; Gaz. vol. 203; p. 175.
- Sewing-machine loop-retainer. J. R. Moffatt. No. 1,097,041; May 19; Gaz. vol. 202; p. 717.
- Sewing-machine loop-taker mechanism. C. M. Horton. No. 1,107,308; Aug. 18; Gaz. vol. 205; p. 692.
- Sewing-machine loop-taking device. J. Lindeberg. No. 1,098,276; May 26; Gaz. vol. 202; p. 1194.
- Sewing-machine looper. J. R. Moffatt. No. 1,115,086; Oct. 27; Gaz. vol. 207; p. 1074.
- Sewing-machine looper-carrier. J. R. Moffatt. No. 1,113,813; Oct. 13; Gaz. vol. 207; p. 532.
- Sewing-machine looper mechanism. A. H. De Voe. No. 1,085,801; Feb. 3; Gaz. vol. 199; p. 80.
- Sewing-machine looper mechanism. J. P. Wels. No. 1,094,353; Apr. 21; Gaz. vol. 201; p. 828.
- Sewing-machine looper-operating mechanism. L. Onderdonk. No. 1,111,703; Sept. 22; Gaz. vol. 206; p. 1126.
- Sewing-machine looper-operating mechanism. L. Onderdonk. No. 1,111,704; Sept. 22; Gaz. vol. 206; p. 1127.

Alphabetical list of inventions—Continued.

- Sewing-machine looper-operating mechanism. L. Onderdonk. No. 1,111,705; Sept. 22; Gaz. vol. 206; p. 1127.
- Sewing-machine looper-operating mechanism. L. Onderdonk. No. 1,122,025; Dec. 22; Gaz. vol. 209; p. 1200.
- Sewing-machine lubricating device. H. Eichhorn. No. 1,097,403; May 19; Gaz. vol. 202; p. 844.
- Sewing-machine, Multineedle. K. Maier. No. 1,098,814; June 2; Gaz. vol. 203; p. 155.
- Sewing-machine needle-lubricating device. A. E. Johnson. No. 1,108,445; Aug. 25; Gaz. vol. 205; p. 1139.
- Sewing-machine needle-threader. J. A. Frey. No. 1,122,717; Dec. 29; Gaz. vol. 209; p. 1486.
- Sewing-machine needle-threader. L. O. Naylor. No. 1,100,763; June 23; Gaz. vol. 203; p. 954.
- Sewing-machine needle-threader. L. O. Naylor. No. 1,100,764; June 23; Gaz. vol. 203; p. 955.
- Sewing-machine needle-threading device. A. Anzelewitz. No. 1,107,873; Aug. 18; Gaz. vol. 205; p. 893.
- Sewing-machine, Overseaming. J. P. Weis. No. 1,119,912; Dec. 8; Gaz. vol. 209; p. 383.
- Sewing-machine, Overseaming. R. G. Woodward. No. 1,097,280; May 19; Gaz. vol. 202; p. 802.
- Sewing-machine piping and binding guide. H. M. Greist. No. 1,117,372; Nov. 17; Gaz. vol. 208; p. 744.
- Sewing-machine plait-folder. J. H. De Nike. No. 1,103,663; July 14; Gaz. vol. 204; p. 550.
- Sewing-machine, Pneumatic portable reciprocating. G. E. Morris and O. F. Oliver. No. 1,119,524; Dec. 1; Gaz. vol. 209; p. 216.
- Sewing-machine presser-foot. J. P. Weis. No. 1,118,711; Nov. 24; Gaz. vol. 208; p. 1252.
- Sewing-machine pull-off. P. Diehl and M. Hemleb. No. 1,105,968; Aug. 4; Gaz. vol. 205; p. 134.
- Sewing-machine quilting-frame. W. B. Chick. No. 1,091,194; Mar. 24; Gaz. vol. 200; p. 988.
- Sewing-machine, Revolving-hook. R. K. Hohmann. No. 1,091,062; Mar. 24; Gaz. vol. 200; p. 941.
- Sewing-machine ruffler. H. M. Greist. No. 1,107,420; Aug. 18; Gaz. vol. 205; p. 735.
- Sewing-machine ruffler. H. M. Greist. No. 1,107,421; Aug. 18; Gaz. vol. 205; p. 735.
- Sewing-machine ruffler. H. B. Woehrl. No. 1,118,254; Nov. 24; Gaz. vol. 208; p. 1090.
- Sewing-machine ruffling and feeding mechanism, Combined. J. P. Weis. No. 1,118,321; Nov. 24; Gaz. vol. 208; p. 1114.
- Sewing-machine seam-spacer. C. McNeil. No. 1,109,445; Sept. 1; Gaz. vol. 206; p. 208.
- Sewing-machine, Semi-automatically-controlled. G. E. Oathout. No. 1,121,863; Dec. 22; Gaz. vol. 209; p. 1153.
- Sewing machine, Shoe-. F. L. Alley. No. 1,122,353; Dec. 29; Gaz. vol. 209; p. 1359.
- Sewing machine, Shoe-. H. A. Ballard. No. 1,103,732; July 14; Gaz. vol. 204; p. 573.
- Sewing machine, Shoe-. H. A. Ballard. No. 1,118,524; Nov. 24; Gaz. vol. 208; p. 1187.
- Sewing machine, Shoe-. F. E. Beckman. No. 1,101,238; June 23; Gaz. vol. 203; p. 1121.
- Sewing machine, Shoe-. A. Eppler. No. 1,092,567; Apr. 7; Gaz. vol. 201; p. 152.
- Sewing machine, Shoe-. A. Eppler. No. 1,092,568; Apr. 7; Gaz. vol. 201; p. 153.
- Sewing machine, Shoe-. A. Eppler. No. 1,108,560; Aug. 25; Gaz. vol. 205; p. 1181.
- Sewing machine, Shoe-. A. Latham. No. 1,092,580; Apr. 7; Gaz. vol. 201; p. 157.
- Sewing machine, Shoe-. E. J. Ray. No. 1,114,287; Oct. 20; Gaz. vol. 207; p. 739.
- Sewing-machine shuttle. J. Kiewicz. No. 1,117,957; Nov. 17; Gaz. vol. 208; p. 948.
- Sewing-machine shuttle-bobbin. H. A. Ballard. No. 1,117,302; Nov. 17; Gaz. vol. 208; p. 720.
- Sewing-machine spreader or loop-retainer. L. Onderdonk. No. 1,087,817; Feb. 17; Gaz. vol. 199; p. 874.
- Sewing-machine stitch-forming mechanism. W. N. Parkes. No. 1,119,865; Dec. 8; Gaz. vol. 209; p. 367.
- Sewing-machine stitch-forming mechanism. C. J. Sibbald. No. 1,118,450; Nov. 24; Gaz. vol. 208; p. 1162.
- Sewing-machine stop mechanism, Buttonhole-. G. S. Hill. No. 1,115,936; Nov. 3; Gaz. vol. 208; p. 160.
- Sewing-machine stop-motion mechanism. D. Noble. No. 1,121,655; Dec. 22; Gaz. vol. 209; p. 1079.
- Sewing-machine stopping mechanism. H. C. Miller. No. 1,118,790; Nov. 24; Gaz. vol. 208; p. 1277.
- Sewing-machine strip-guide. F. L. Corson. No. 1,093,540; Apr. 14; Gaz. vol. 201; p. 515.
- Sewing-machine take-up mechanism. O. E. Brown. No. 1,097,389; May 19; Gaz. vol. 202; p. 840.
- Sewing-machine take-up mechanism, Shoe-. H. A. Ballard. No. 1,118,522; Nov. 24; Gaz. vol. 208; p. 1186.
- Sewing-machine thread-controller. O. E. Elwell. No. 1,105,413; July 28; Gaz. vol. 204; p. 1246.
- Sewing-machine thread-controller. L. Onderdonk. No. 1,120,524; Dec. 8; Gaz. vol. 209; p. 599.
- Sewing-machine thread-controlling means. C. H. T. Hagelstein. No. 1,084,736; Jan. 20; Gaz. vol. 198; p. 551.
- Sewing-machine thread-cutting attachment. R. L. Coley. No. 1,089,905; Mar. 10; Gaz. vol. 200; p. 470.
- Sewing-machine thread-drawing attachment. J. Holtzmann. No. 1,106,813; Aug. 11; Gaz. vol. 205; p. 473.
- Sewing-machine throat-plate. E. Phaneuf. No. 1,092,858; Apr. 14; Gaz. vol. 201; p. 288.
- Sewing-machine trimming attachment. W. J. Bell. No. 1,111,432; Sept. 22; Gaz. vol. 206; p. 1031.
- Sewing-machine trimming attachment, Shoe-. C. A. Bonney. No. 1,085,961; Feb. 3; Gaz. vol. 199; p. 136.
- Sewing-machine trimming device. J. R. Moffatt. No. 1,097,040; May 19; Gaz. vol. 202; p. 717.
- Sewing-machine trimming mechanism. J. R. Moffatt. No. 1,117,589; Nov. 17; Gaz. vol. 208; p. 818.
- Sewing-machine trimming mechanism. G. Scott. No. 1,117,607; Nov. 17; Gaz. vol. 208; p. 824.
- Sewing-machine, Wax-thread. F. W. Merrick. No. 1,102,199; June 30; Gaz. vol. 203; p. 1507.
- Sewing machine, Welt-. J. L. Dow. No. 1,094,838; Apr. 28; Gaz. vol. 201; p. 1061.
- Sewing-machine with chain-stitch attachment, Rotary. R. K. Hohmann. No. 1,090,151; Mar. 17; Gaz. vol. 200; p. 596.
- Sewing-machine, with top feed, Zigzag, straightaway, stitch. J. R. Moffatt. No. 1,109,635; Sept. 1; Gaz. vol. 206; p. 274.
- Sewing-machines, Adjustable connecting-rod for. J. L. Ohlson. No. 1,083,556; Jan. 6; Gaz. vol. 198; p. 99.
- Sewing-machines. Bender-actuating mechanism for blind-stitch. G. S. Hill. No. 1,113,628; Oct. 13; Gaz. vol. 207; p. 467.
- Sewing machines, Cord-guiding attachment for buttonhole-. F. M. Kennedy. No. 1,087,298; Feb. 17; Gaz. vol. 199; p. 694.
- Sewing-machines, Edge-turning attachment for. M. Abramowitz. No. 1,085,958; Feb. 3; Gaz. vol. 199; p. 135.
- Sewing machines, Feeding mechanism for button-. H. Waldes. No. 1,110,843; Sept. 15; Gaz. vol. 206; p. 784.
- Sewing-machines, Folding and guiding device for. E. Burke. No. 1,119,240; Dec. 1; Gaz. vol. 209; p. 118.
- Sewing-machines, Means of attaching work-supports of. D. S. Seymour. No. 1,110,237; Sept. 8; Gaz. vol. 206; p. 531.
- Sewing mechanism, Combined ruffling, trimming, and over-stitch. J. P. Weis and R. R. Hughes, Jr. No. 1,111,339; Sept. 22; Gaz. vol. 206; p. 999.
- Sewing outfit. L. Kalina. No. 1,099,252; June 9; Gaz. vol. 203; p. 345.
- Sewing, Selvage-. H. A. Blanchard. No. 1,089,816; Mar. 10; Gaz. vol. 200; p. 439.
- Sextant. A. Barr and W. Stroud. No. 1,098,212; May 26; Gaz. vol. 202; p. 1170.
- Sextants, Artificial horizon for. A. Démichel. No. 1,104,639; July 21; Gaz. vol. 204; p. 926.
- Shackle. W. J. Pitt. No. 1,121,865; Dec. 22; Gaz. vol. 209; p. 1153.
- Shackle, Cushion-. A. Buonicore. No. 1,104,343; July 21; Gaz. vol. 204; p. 823.
- Shackle, Rope-splicing. F. Axelson. No. 1,095,446; May 5; Gaz. vol. 202; p. 93.
- Shade adjustable bracket, Window-. M. E. Wagner. No. 1,090,355; Mar. 17; Gaz. vol. 200; p. 666.
- Shade, Adjustable window-. D. H. Harnly. No. 1,091,656; Mar. 31; Gaz. vol. 200; p. 1186.
- Shade-adjuster. A. H. Fechner. No. 1,100,655; June 16; Gaz. vol. 203; p. 862.
- Shade-adjuster. L. B. Girard and J. P. Whitmore. No. 1,112,000; Sept. 29; Gaz. vol. 206; p. 1264.
- Shade adjuster, Window-. J. Henry. No. 1,106,870; Aug. 11; Gaz. vol. 205; p. 493.
- Shade and curtain bracket. C. H. Koeker. No. 1,107,317; Aug. 18; Gaz. vol. 205; p. 696.
- Shade and curtain bracket. C. T. Reisner. No. 1,098,839; June 2; Gaz. vol. 203; p. 163.
- Shade and curtain bracket, Combination. S. A. Collier. No. 1,095,551; May 5; Gaz. vol. 202; p. 130.
- Shade and curtain bracket, Combination. A. C. Farley. No. 1,106,796; Aug. 11; Gaz. vol. 205; p. 466.
- Shade and curtain fixture, Window. C. Moore. No. 1,103,982; July 21; Gaz. vol. 204; p. 699.
- Shade and curtain hanger, Window. J. F. McGill. No. 1,093,061; Apr. 14; Gaz. vol. 201; p. 356.
- Shade and curtain holder, Combined. R. G. Cooper. No. 1,095,311; May 5; Gaz. vol. 202; p. 48.
- Shade and curtain-pole bracket. W. J. Reitz. No. 1,104,545; July 21; Gaz. vol. 204; p. 896.
- Shade and curtain-pole hanger. R. L. O'Brien. No. 1,116,837; Nov. 10; Gaz. vol. 208; p. 517.
- Shade and curtain-pole hanger, Adjustable. A. S. Shepard. No. 1,101,573; June 30; Gaz. vol. 203; p. 1287.
- Shade and curtain-pole supporting bracket, Combined window-. A. Simler. No. 1,121,412; Dec. 15; Gaz. vol. 209; p. 957.
- Shade and curtain support, Adjustable. C. F. Bobring. No. 1,092,424; Apr. 7; Gaz. vol. 201; p. 104.
- Shade and curtain support, Adjustable window. R. Muir. No. 1,111,669; Sept. 22; Gaz. vol. 206; p. 1113.
- Shade and curtain support, Combined. M. Iudiciani. No. 1,116,067; Nov. 3; Gaz. vol. 208; p. 205.
- Shade and fixture, Ventilating window. L. N. Moss. No. 1,094,917; Apr. 28; Gaz. vol. 201; p. 1087.
- Shade and shutter, Combined window. M. J. Smith. No. 1,095,292; May 5; Gaz. vol. 202; p. 41.

Alphabetical list of inventions—Continued.

- Shade and socket holder. W. F. Little. No. 1,110,066; Sept. 8; Gaz. vol. 206; p. 468.
- Shade-attaching device. H. L. Campbell. No. 1,099,021; June 2; Gaz. vol. 203; p. 224.
- Shade attachment, Window-. S. Jasgur. No. 1,098,730; June 2; Gaz. vol. 203; p. 127.
- Shade attachment, Window-. E. Kern. No. 1,114,485; Oct. 20; Gaz. vol. 207; p. 811.
- Shade-bracket. J. A. Berchtold. No. 1,089,898; Mar. 10; Gaz. vol. 200; p. 468.
- Shade-bracket. T. Gress and B. Moline. No. 1,115,427; Oct. 27; Gaz. vol. 207; p. 1192.
- Shade-bracket. P. J. Miller. No. 1,084,285; Jan. 13; Gaz. vol. 198; p. 371.
- Shade-bracket. J. M. Parker. No. 1,101,324; June 23; Gaz. vol. 203; p. 1150.
- Shade-bracket. L. M. Withrow. No. 1,115,997; Nov. 3; Gaz. vol. 208; p. 181.
- Shade bracket, Adjustable window-. G. M. Wilson and S. W. Everett. No. 1,112,510; Oct. 6; Gaz. vol. 207; p. 34.
- Shade bracket, Window-. C. L. Beck. No. 1,122,061; Dec. 22; Gaz. vol. 209; p. 1223.
- Shade bracket, Window-. T. C. Foley and J. C. Gardiner. No. 1,101,918; June 30; Gaz. vol. 203; p. 1406.
- Shade bracket, Window-. G. A. Fuhs. No. 1,090,043; Mar. 10; Gaz. vol. 200; p. 517.
- Shade bracket, Window-. T. L. Lofland. No. 1,090,319; Mar. 17; Gaz. vol. 200; p. 654.
- Shade-cloth. W. H. Regnery and S. Kempner. No. 1,100,255; June 16; Gaz. vol. 203; p. 728.
- Shade-controller. H. F. Richter. No. 1,104,221; July 21; Gaz. vol. 204; p. 781.
- Shade-controlling device, Window-. E. E. Harris. No. 1,099,360; June 9; Gaz. vol. 203; p. 387.
- Shade-fixture. F. J. Behrle. No. 1,084,781; Jan. 20; Gaz. vol. 198; p. 566.
- Shade-fixture. B. T. Burlingham. No. 1,115,052; Oct. 27; Gaz. vol. 207; p. 1061.
- Shade-fixture. C. E. Schaumloeffel. No. 1,095,035; Apr. 28; Gaz. vol. 201; p. 1129.
- Shade-fixture, Adjustable. I. S. Sherwin. No. 1,112,726; Oct. 6; Gaz. vol. 207; p. 111.
- Shade fixture, Adjustable window-. J. H. Bissett. No. 1,087,077; Feb. 10; Gaz. vol. 199; p. 564.
- Shade fixture, Window-. A. Danglo and L. Resch. No. 1,083,807; Jan. 6; Gaz. vol. 198; p. 180.
- Shade fixture, Window-. C. W. Hutchinson. No. 1,114,990; Oct. 27; Gaz. vol. 207; p. 1040.
- Shade fixture, Window-. C. W. Hutchinson. No. 1,114,991; Oct. 27; Gaz. vol. 207; p. 1040.
- Shade fixture, Window-. A. C. Kudla. No. 1,090,546; Mar. 17; Gaz. vol. 200; p. 735.
- Shade, Folding. O. C. Steele. No. 1,084,761; Jan. 20; Gaz. vol. 198; p. 559.
- Shade-guard. F. C. Sauls. No. 1,117,096; Nov. 10; Gaz. vol. 208; p. 607.
- Shade-hanger. W. H. Arbogast. No. 1,119,485; Dec. 1; Gaz. vol. 209; p. 202.
- Shade-hanger. W. Trojanoski. No. 1,115,257; Oct. 27; Gaz. vol. 207; p. 1134.
- Shade-hanger, Adjustable. L. Lemkuhl. No. 1,087,386; Feb. 17; Gaz. vol. 199; p. 725.
- Shade hanger, Adjustable window-. W. H. Huggins and J. F. Waddell. No. 1,114,832; Oct. 27; Gaz. vol. 207; p. 1001.
- Shade-hanger and lamp-socket support for lighting-fixtures, Combined. W. R. Kahns. No. 1,122,763; Dec. 29; Gaz. vol. 209; p. 1501.
- Shade hanger, Window-. C. N. Hiner. No. 1,094,070; Apr. 21; Gaz. vol. 201; p. 737.
- Shade hanger, Window-. G. Richter. No. 1,105,698; Aug. 4; Gaz. vol. 205; p. 39.
- Shade-hanging apparatus, Window-. L. H. Robinson. No. 1,121,290; Dec. 15; Gaz. vol. 209; p. 916.
- Shade-holder. M. A. Friedman. No. 1,098,104; May 26; Gaz. vol. 202; p. 1134.
- Shade-holder. F. Reutter. No. 1,114,522; Oct. 20; Gaz. vol. 207; p. 824.
- Shade-holder. G. B. Thomas. No. 1,106,254; Aug. 4; Gaz. vol. 205; p. 231.
- Shade-holder, Electric. L. W. Andersen. No. 1,099,783; June 9; Gaz. vol. 203; p. 528.
- Shade-holder, Spring-ring. T. J. Little, Jr. No. 1,090,635; Mar. 17; Gaz. vol. 200; p. 766.
- Shade holder, Window-. H. A. Mowrey. No. 1,089,252; Mar. 3; Gaz. vol. 200; p. 198.
- Shade holder, Window-. J. Petrirsch. No. 1,095,923; May 5; Gaz. vol. 202; p. 254.
- Shade-holding mechanism. P. G. Emery. No. 1,108,559; Aug. 25; Gaz. vol. 205; p. 1180.
- Shade, Light-focus-intercepting. W. J. Perkins. No. 1,109,013; Sept. 1; Gaz. vol. 206; p. 55.
- Shade or dimmer zone, Light-focus. W. J. Perkins. No. 1,109,014; Sept. 1; Gaz. vol. 206; p. 56.
- Shade-roller. E. F. Hartshorn. No. 1,093,931; Apr. 21; Gaz. vol. 201; p. 690.
- Shade-roller. J. A. Jackson. No. 1,122,938; Dec. 29; Gaz. vol. 209; p. 1563.
- Shade-roller. A. McLean. No. 1,090,931; Mar. 24; Gaz. vol. 200; p. 896.
- Shade-roller and bracket therefor. L. Barbeau. No. 1,094,965; Apr. 28; Gaz. vol. 201; p. 1106.
- Shade-roller and curtain bracket. J. E. Orr and W. E. Marshall. No. 1,087,179; Feb. 17; Gaz. vol. 199; p. 651.
- Shade-roller bracket. G. D. Caron. No. 1,105,486; July 28; Gaz. vol. 204; p. 1272.
- Shade-roller bracket. A. H. Hoenisch. No. 1,120,494; Dec. 8; Gaz. vol. 209; p. 589.
- Shade-roller bracket. E. Probst. No. 1,115,020; Oct. 27; Gaz. vol. 207; p. 1051.
- Shade-roller bracket. J. Taiz. No. 1,114,203; Oct. 20; Gaz. vol. 207; p. 710.
- Shade roller, Curtain-. O. B. Laurent. No. 1,106,227; Aug. 4; Gaz. vol. 205; p. 223.
- Shade-roller fixture. J. Farro. No. 1,084,419; Jan. 13; Gaz. vol. 198; p. 414.
- Shade-roller support, Adjustable. H. J. Druffel. No. 1,088,217; Feb. 24; Gaz. vol. 199; p. 1060.
- Shade-roller tensioning device. J. A. Wooton. No. 1,091,103; Mar. 24; Gaz. vol. 200; p. 956.
- Shade roller, Window-. D. M. Harrison. No. 1,085,417; Jan. 27; Gaz. vol. 198; p. 819.
- Shade roller, Window-. B. Rivkin. No. 1,095,177; Apr. 28; Gaz. vol. 201; p. 1179.
- Shade roller, Window-. J. L. Shipman. No. 1,097,477; May 19; Gaz. vol. 202; p. 869.
- Shade-rollers, Spear for spring. E. F. Hartshorn. No. 1,093,930; Apr. 21; Gaz. vol. 201; p. 690.
- Shade-support. E. W. Flint. No. 1,119,148; Dec. 1; Gaz. vol. 209; p. 87.
- Shade-support. J. E. Graybill. No. 1,122,911; Dec. 29; Gaz. vol. 209; p. 1554.
- Shade-support. P. Iudiciani. No. 1,109,925; Sept. 8; Gaz. vol. 206; p. 420.
- Shade-support, Adjustable. G. Ardito. No. 1,113,181; Oct. 13; Gaz. vol. 207; p. 308.
- Shade support, Window-. J. A. Berchtold. No. 1,108,681; Aug. 25; Gaz. vol. 205; p. 1221.
- Shade support, Window-. W. P. Hammers. No. 1,120,935; Dec. 15; Gaz. vol. 209; p. 792.
- Shade tester, Window-. J. Isaacs. No. 1,086,181; Feb. 3; Gaz. vol. 199; p. 213.
- Shade, Window-. D. Spivak. No. 1,112,940; Oct. 6; Gaz. vol. 207; p. 184.
- Shade, Window-. J. P. Vandenorth. No. 1,106,601; Aug. 11; Gaz. vol. 205; p. 400.
- Shade, Window-. W. W. Wiggs. No. 1,084,051; Jan. 13; Gaz. vol. 198; p. 293.
- Shades, Machine for making window-. E. O. Engberg. No. 1,094,846; Apr. 28; Gaz. vol. 201; p. 1064.
- Shades, Stop attachment for window-. H. L. Stedel. No. 1,089,731; Mar. 10; Gaz. vol. 200; p. 410.
- Shadograph-machine. W. J. Corbett. No. 1,099,023; June 2; Gaz. vol. 203; p. 224.
- Shaft adjusting and driving mechanism. S. M. Langston. No. 1,086,722; Feb. 10; Gaz. vol. 199; p. 444.
- Shaft and tongue detacher. J. K. Fisher. No. 1,096,231; May 12; Gaz. vol. 202; p. 395.
- Shaft attachment. W. T. Armstrong. No. 1,110,176; Sept. 8; Gaz. vol. 206; p. 510.
- Shaft attachment. J. H. Smith. No. 1,091,024; Mar. 24; Gaz. vol. 200; p. 929.
- Shaft-bearing. J. M. Garber. No. 1,096,298; May 12; Gaz. vol. 202; p. 419.
- Shaft-bearing. W. Kieser. No. 1,108,761; Aug. 25; Gaz. vol. 205; p. 1248.
- Shaft-centering device. M. Lidster and C. Andersen. No. 1,097,036; May 19; Gaz. vol. 202; p. 715.
- Shaft-coupling. G. J. Blum. No. 1,093,822; Apr. 21; Gaz. vol. 201; p. 654.
- Shaft-coupling. T. Fawcus. No. 1,096,162; May 12; Gaz. vol. 202; p. 372.
- Shaft-coupling. H. T. Hallowell. No. 1,107,606; Aug. 18; Gaz. vol. 205; p. 800.
- Shaft-coupling. R. R. Hanson. No. 1,109,836; Sept. 8; Gaz. vol. 206; p. 386.
- Shaft-coupling. C. A. Jansson. No. 1,092,574; Apr. 7; Gaz. vol. 201; p. 155.
- Shaft-coupling. J. Kennedy. No. 1,112,219; Sept. 29; Gaz. vol. 206; p. 1340.
- Shaft-coupling. C. O. Landgrebe. No. 1,120,510; Dec. 8; Gaz. vol. 209; p. 594.
- Shaft-coupling. W. H. Little. No. 1,091,520; Mar. 31; Gaz. vol. 200; p. 1139.
- Shaft-coupling. M. Rall. No. 1,117,704; Nov. 17; Gaz. vol. 208; p. 861.
- Shaft-coupling. J. J. Wallbillich. No. 1,103,716; July 14; Gaz. vol. 204; p. 568.
- Shaft coupling, Angle-. C. O. Jonsson. No. 1,119,514; Dec. 1; Gaz. vol. 209; p. 212.
- Shaft-coupling, Differential. W. Clifford. No. 1,093,537; Apr. 14; Gaz. vol. 201; p. 514.
- Shaft-coupling for grinding-mills. C. E. Needham. No. 1,095,986; May 5; Gaz. vol. 202; p. 276.
- Shaft-coupling guard. J. M. Nelson. No. 1,116,470; Nov. 10; Gaz. vol. 208; p. 383.
- Shaft-coupling sleeves, Making. H. T. Hollowell. No. 1,107,607; Aug. 18; Gaz. vol. 205; p. 800.
- Shaft-coupling, Yieldable. W. I. Saul. No. 1,118,586; Nov. 24; Gaz. vol. 208; p. 1210.

Alphabetical list of inventions—Continued.

- Shaft, Flexible. R. L. Hight. No. 1,111,714; Sept. 22; Gaz. vol. 206; p. 1130.
- Shaft-hanger. C. A. Brinley. No. 1,091,478; Mar. 31; Gaz. vol. 200; p. 1124.
- Shaft-hanger. H. Dalton. No. 1,114,124; Oct. 20; Gaz. vol. 207; p. 680.
- Shaft-hanger, Adjustable. P. E. Lenfestey. No. 1,111,474; Sept. 22; Gaz. vol. 206; p. 1045.
- Shaft-mounting for earthworking implements. G. W. Mixer. (Reissue.) No. 13,823; Nov. 3; Gaz. vol. 208; p. 305.
- Shaft-operating means, Drop-door. R. R. Weaver. No. 1,122,179; Dec. 22; Gaz. vol. 209; p. 1261.
- Shaft-rotating means. F. C. Cameron. No. 1,100,352; June 16; Gaz. vol. 203; p. 761.
- Shaft-sinking method and apparatus. E. O'Toole. No. 1,096,795; May 12; Gaz. vol. 202; p. 587.
- Shaft support, Buggy. B. M. Perdue. No. 1,112,929; Oct. 6; Gaz. vol. 207; p. 181.
- Shaft-wiping ring. W. A. Lofland. No. 1,086,458; Feb. 10; Gaz. vol. 199; p. 352.
- Shafts, Attachment for turning multiple-diameter. A. E. Newton. No. 1,118,875; Nov. 24; Gaz. vol. 208; p. 1306.
- Shafts, &c., Device for securing parts to. R. F. Rogers. No. 1,116,845; Nov. 10; Gaz. vol. 208; p. 520.
- Shafts, Means for connecting. E. Sebastian. No. 1,104,838; July 28; Gaz. vol. 204; p. 1044.
- Shafts, Means for eliminating vibrations in rotary. L. H. Vold. No. 1,107,731; Aug. 18; Gaz. vol. 205; p. 844.
- shafts, Synchronizing device for facilitating the coupling of rotating. A. F. Yarow. No. 1,110,414; Sept. 15; Gaz. vol. 206; p. 634.
- Shafts, Vehicle. H. A. Foster and F. C. Kittredge. No. 1,091,322; Mar. 24; Gaz. vol. 200; p. 1029.
- Shafting, Flexible. G. H. Hayes. No. 1,091,511; Mar. 31; Gaz. vol. 200; p. 1136.
- Shafting, Flexible. A. S. Reed. No. 1,100,097; June 16; Gaz. vol. 203; p. 673.
- Shaker. L. V. Lopez S. No. 1,085,450; Jan. 27; Gaz. vol. 198; p. 829.
- Shampoo-comb, Fountain. G. Smith. No. 1,113,843; Oct. 13; Gaz. vol. 207; p. 543.
- Shampooing device. J. Sparenburg. No. 1,083,707; Jan. 6; Gaz. vol. 198; p. 148.
- Shaped or molded block for making ceilings. J. Worner. No. 1,092,621; Apr. 7; Gaz. vol. 201; p. 172.
- Shaper. B. M. W. Hanson and F. C. Allen. No. 1,084,544; Jan. 13; Gaz. vol. 198; p. 453.
- Shaping-machine. J. A. Cummins. No. 1,113,201; Oct. 13; Gaz. vol. 207; p. 316.
- Shaping-machine. K. Jung. No. 1,114,363; Oct. 20; Gaz. vol. 207; p. 765.
- Shaping-machine. R. Stockbridge. No. 1,096,808; May 12; Gaz. vol. 202; p. 592.
- Shaping-machine-driving mechanism. R. Stockbridge. No. 1,109,188; Sept. 1; Gaz. vol. 206; p. 118.
- Sharpener and shaper, Picket. W. C. Hammond. No. 1,108,167; Aug. 25; Gaz. vol. 205; p. 1043.
- Sharpener, Blade. O. A. Rohrer and B. Reinbach. No. 1,115,025; Oct. 27; Gaz. vol. 207; p. 1052.
- Sharpener, Coal-pick. E. J. Davies. No. 1,107,912; Aug. 18; Gaz. vol. 205; p. 905.
- Sharpener, Disk. O. Green. No. 1,122,736; Dec. 29; Gaz. vol. 209; p. 1492.
- Sharpener, Disk. W. G. Smith. No. 1,120,420; Dec. 8; Gaz. vol. 209; p. 563.
- Sharpener, Disk. J. D. Stewart. No. 1,084,500; Jan. 13; Gaz. vol. 198; p. 438.
- Sharpener, Disk-harrow. L. Larson. No. 1,083,687; Jan. 6; Gaz. vol. 198; p. 142.
- Sharpener for lawn-mowers. G. W. Miller. No. 1,086,389; Feb. 10; Gaz. vol. 199; p. 327.
- Sharpener for razor-blades and the like. T. Sakata. No. 1,100,398; June 16; Gaz. vol. 203; p. 778.
- Sharpener, Knife. E. B. Haywood. No. 1,083,490; Jan. 6; Gaz. vol. 198; p. 77.
- Sharpener, Knife. W. B. Lynch. No. 1,098,672; June 2; Gaz. vol. 203; p. 107.
- Sharpener, Knife. P. Rybánsky. No. 1,111,273; Sept. 22; Gaz. vol. 206; p. 977.
- Sharpener, Knife. E. J. Stolz. No. 1,090,421; Mar. 17; Gaz. vol. 200; p. 691.
- Sharpener, Knife and scissors. A. Helmer. No. 1,092,713; Apr. 7; Gaz. vol. 201; p. 202.
- Sharpener, Lawn-mower. J. M. Brown. No. 1,100,951; June 23; Gaz. vol. 203; p. 1022.
- Sharpener, Lawn-mower. J. J. Chesbro. No. 1,092,021; Mar. 31; Gaz. vol. 200; p. 1310.
- Sharpener, Lawn-mower, J. Hineman. No. 1,103,584; July 14; Gaz. vol. 204; p. 521.
- Sharpener, Lawn-mower. G. L. Knowlton. No. 1,090,075; Mar. 10; Gaz. vol. 200; p. 528.
- Sharpener, Lawn-mower. G. W. Miller. No. 1,091,750; Mar. 31; Gaz. vol. 200; p. 1218.
- Sharpener-locking device. C. M. Kanawah. No. 1,085,267; Jan. 27; Gaz. vol. 198; p. 768.
- Sharpener, Portable saw. W. W. Steckel. No. 1,111,191; Sept. 22; Gaz. vol. 206; p. 949.
- Sharpener, Razor. J. A. Kress. No. 1,106,717; Aug. 11; Gaz. vol. 205; p. 439.
- Sharpener, Razor. J. H. Milks. No. 1,107,626; Aug. 18; Gaz. vol. 205; p. 807.
- Sharpener, Razor-blade. W. H. Neil. No. 1,112,827; Oct. 6; Gaz. vol. 207; p. 145.
- Sharpener, Saw. F. A. Breeze. No. 1,089,312; Mar. 3; Gaz. vol. 200; p. 217.
- Sharpener, Saw. W. L. Dekle. No. 1,096,689; May 12; Gaz. vol. 202; p. 551.
- Sharpener, Saw. P. Hilsinger. No. 1,095,865; May 5; Gaz. vol. 202; p. 235.
- Sharpener, Tool. O. M. Long and E. H. Matkin. No. 1,112,461; Oct. 6; Gaz. vol. 207; p. 16.
- Sharpeners, Gearing for knife. G. J. Seiss. No. 1,109,945; Sept. 8; Gaz. vol. 206; p. 426.
- Sharpening band cutting-knives, Device for. J. M. Whitcomb. No. 1,104,592; July 21; Gaz. vol. 204; p. 911.
- Sharpening bits, Guide for. H. H. Holmes. No. 1,096,719; May 12; Gaz. vol. 202; p. 560.
- Sharpening cutting instruments, Device for. A. Fornander. No. 1,110,619; Sept. 15; Gaz. vol. 206; p. 706.
- Sharpening dental sticks, &c., Device for. J. W. Ivory. No. 1,121,252; Dec. 15; Gaz. vol. 209; p. 903.
- Sharpening device. O. A. Christopherson. No. 1,100,418; June 16; Gaz. vol. 203; p. 786.
- Sharpening device. M. L. Hawks. No. 1,088,986; Mar. 3; Gaz. vol. 200; p. 108.
- Sharpening device. J. A. Wallace. No. 1,092,877; Apr. 14; Gaz. vol. 201; p. 294.
- Sharpening device, Razor-blade. W. W. Richards. No. 1,093,802; Apr. 21; Gaz. vol. 201; p. 646.
- Sharpening device, Saw. H. G. Conrad. No. 1,087,107; Feb. 17; Gaz. vol. 199; p. 627.
- Sharpening machine, Disk. G. W. Hoover. No. 1,117,383; Nov. 17; Gaz. vol. 208; p. 748.
- Sharpening machine, Knife. E. Dinger and H. Timmer. No. 1,101,261; June 23; Gaz. vol. 203; p. 1128.
- Sharpening machine, Razor. G. Browning. No. 1,100,051; June 16; Gaz. vol. 203; p. 657.
- Sharpening machine, Razor. G. A. Bursch. No. 1,090,197; Mar. 17; Gaz. vol. 200; p. 612.
- Sharpening machine, Razor. F. M. Gordon. No. 1,085,602; Feb. 3; Gaz. vol. 199; p. 8.
- Sharpening machine, Razor. L. J. Odell. No. 1,111,316; Sept. 22; Gaz. vol. 206; p. 991.
- Sharpening machine, Razor. K. A. Vogel. No. 1,097,953; May 26; Gaz. vol. 202; p. 1081.
- Sharpening machine, Razor. A. Winter. No. 1,102,706; July 7; Gaz. vol. 204; p. 169.
- Sharpening machine, Razor-blade. W. F. Sweet. No. 1,086,481; Feb. 10; Gaz. vol. 199; p. 360.
- Sharpening machine, Rotary razor. C. M. Herring. No. 1,087,536; Feb. 17; Gaz. vol. 199; p. 777.
- Sharpening machine, Saw. T. Humpage. No. 1,115,940; Nov. 3; Gaz. vol. 208; p. 161.
- Sharpening mechanism, Blade. W. H. Crichton-Clarke. No. 1,106,548; Aug. 11; Gaz. vol. 205; p. 380.
- Sharpening or dressing means for machine-knives and the like. P. J. Conway. No. 1,117,552; Nov. 17; Gaz. vol. 208; p. 806.
- Sharpening tailors' wax, Machine for. R. A. Edgerton and S. Dinovsky. No. 1,096,099; May 12; Gaz. vol. 202; p. 351.
- Sharpening the ends of fine wires. P. Friedrich. No. 1,090,469; Mar. 17; Gaz. vol. 200; p. 708.
- Shaving apparatus. H. Westendorp. No. 1,114,322; Oct. 20; Gaz. vol. 207; p. 751.
- Shaving-cream. P. C. Magdlen. No. 1,090,733; Mar. 17; Gaz. vol. 200; p. 796.
- Shaving-cream, Producing. K. Fischmann. No. 1,091,052; Mar. 24; Gaz. vol. 200; p. 938.
- Shaving-cup. C. E. Scott. No. 1,123,211; Dec. 29; Gaz. vol. 209; p. 1662.
- Shaving-cup. D. Stiro. No. 1,113,145; Oct. 6; Gaz. vol. 207; p. 253.
- Shaving-cup, Barber's aseptic. J. Lupowitz and B. MacKilbank. No. 1,084,865; Jan. 20; Gaz. vol. 198; p. 595.
- Shaving-cup soap-holder. D. W. Wardwell. No. 1,112,664; Oct. 6; Gaz. vol. 207; p. 91.
- Shaving-machine. H. C. Cloyd. No. 1,086,514; Feb. 10; Gaz. vol. 199; p. 372.
- Sheaf-loader. D. D. Henry. No. 1,106,652; Aug. 11; Gaz. vol. 205; p. 418.
- Sheaf hoist and chute. W. G. Fetrow and E. Eberly. No. 1,114,454; Oct. 20; Gaz. vol. 207; p. 799.
- Sheaf-shocker. W. H. Perrin. No. 1,105,999; Aug. 4; Gaz. vol. 205; p. 145.
- Sheaves, Making. C. H. Langill. No. 1,104,200; July 21; Gaz. vol. 204; p. 774.
- Shearing-machine. E. A. Palmer. No. 1,112,648; Oct. 6; Gaz. vol. 207; p. 85.
- Shearing-machine. J. Vertunni and A. T. Orelli. No. 1,122,558; Dec. 29; Gaz. vol. 209; p. 1428.
- Shearing machine, Sheet. P. H. Lange and H. L. Weigel. No. 1,105,668; Aug. 4; Gaz. vol. 205; p. 28.
- Shearing or clipping machine. A. Hawtrey. No. 1,117,377; Nov. 17; Gaz. vol. 208; p. 746.
- Shears. *See* Alligator-shears; Barber's shears; Decapitating-shears; Garden-shears; Grass-shears; Iron shears; Pruning-shears; Sectional shears; Tobacco-shears.
- Shears. G. H. Cunard. No. 1,115,404; Oct. 27; Gaz. vol. 207; p. 1183.

Alphabetical list of inventions—Continued.

- Shears. A. Hansen. No. 1,104,495; July 21; Gaz. vol. 204; p. 876.
- Shears. T. Kreseen. No. 1,088,429; Feb. 24; Gaz. vol. 199; p. 1132.
- Shears. J. C. Scoggins. No. 1,102,173; June 30; Gaz. vol. 203; p. 1497.
- Shears. D. W. Van Tine. No. 1,083,871; Jan. 6; Gaz. vol. 198; p. 199.
- Shears-handle. M. Beer. No. 1,089,183; Mar. 3; Gaz. vol. 200; p. 177.
- Shears, Making. E. A. Berg. No. 1,111,245; Sept. 22; Gaz. vol. 206; p. 968.
- Shears, Motor for electric. H. M. Barrer. No. 1,112,884; Oct. 6; Gaz. vol. 207; p. 165.
- Sheath or scabbard. V. H. Jennings. No. 1,108,864; Aug. 25; Gaz. vol. 205; p. 1285.
- Shed for airships and the like. V. Wisniewski. No. 1,101,372; June 23; Gaz. vol. 203; p. 1166.
- Sheep bed-ground. L. J. Logan. No. 1,085,815; Feb. 3; Gaz. vol. 199; p. 84.
- Sheep-hook. A. G. Adair. No. 1,120,115; Dec. 8; Gaz. vol. 209; p. 454.
- Sheep hook or catcher. J. and W. Taylor. No. 1,112,867; Oct. 6; Gaz. vol. 207; p. 160.
- Sheet-adjusting apparatus. J. Sampere. No. 1,085,301; Jan. 27; Gaz. vol. 198; p. 780.
- Sheet-assembling machine. H. M. Barber. No. 1,113,735; Oct. 13; Gaz. vol. 207; p. 504.
- Sheet-buckling tool. V. Thestrup. No. 1,108,024; Aug. 18; Gaz. vol. 205; p. 945.
- Sheet-container. W. T. Treadway. No. 1,112,041; Sept. 29; Gaz. vol. 206; p. 1277.
- Sheet-controlling mechanism, Pneumatic. J. W. Dickinson. No. 1,098,890; June 2; Gaz. vol. 203; p. 181.
- Sheet cutting, laying, and like machine. F. W. Vickery. No. 1,118,831; Nov. 24; Gaz. vol. 208; p. 1291.
- Sheet-deflecting device. J. Groom. No. 1,104,663; July 21; Gaz. vol. 204; p. 935.
- Sheet-delivery apparatus. W. B. Wait. No. 1,090,665; Mar. 17; Gaz. vol. 200; p. 775.
- Sheet-delivery apparatus. G. S., Sr., and I. J. Witham. No. 1,086,741; Feb. 10; Gaz. vol. 199; p. 451.
- Sheet-delivery mechanism. N. Meyers. No. 1,085,872; Feb. 3; Gaz. vol. 199; p. 104.
- Sheet-delivery mechanism. R. Miehle. No. 1,107,437; Aug. 18; Gaz. vol. 205; p. 741.
- Sheet-delivery mechanism. R. Miehle. No. 1,111,668; Sept. 22; Gaz. vol. 206; p. 1113.
- Sheet-delivery mechanism. F. W. Vickery. No. 1,106,261; Aug. 4; Gaz. vol. 205; p. 233.
- Sheet-detector. I. F. Niles. No. 1,114,020; Oct. 20; Gaz. vol. 207; p. 642.
- Sheet feed or separator. C. G. Harris. No. 1,112,609; Oct. 6; Gaz. vol. 207; p. 71.
- Sheet feed or separator. W. F. Minnick. No. 1,110,704; Sept. 15; Gaz. vol. 206; p. 737.
- Sheet-feeder, Device for actuating the counter in a. G. Spiess. No. 1,094,946; Apr. 28; Gaz. vol. 201; p. 1099.
- Sheet-feeders, Device for releasing combing-wheels in. G. Spiess. No. 1,088,377; Feb. 24; Gaz. vol. 199; p. 1114.
- Sheet-feeding apparatus. A. B. Dick. No. 1,086,351; Feb. 10; Gaz. vol. 199; p. 315.
- Sheet-feeding apparatus. A. B. Dick. No. 1,086,352; Feb. 10; Gaz. vol. 199; p. 316.
- Sheet-feeding apparatus. L. von Sazenhofen. No. 1,089,274; Mar. 3; Gaz. vol. 200; p. 205.
- Sheet-feeding device. H. W. Morgan. No. 1,119,857; Dec. 8; Gaz. vol. 209; p. 364.
- Sheet-feeding device. L. E. Morrison. No. 1,108,211; Aug. 25; Gaz. vol. 205; p. 1059.
- Sheet-feeding device, Automatic. J. de Blonay. No. 1,088,961; Mar. 3; Gaz. vol. 200; p. 100.
- Sheet-feeding machine. F. L. Cross. No. 1,113,200; Oct. 13; Gaz. vol. 207; p. 316.
- Sheet-feeding machine. R. A. Freeman. No. 1,087,533; Feb. 17; Gaz. vol. 199; p. 776.
- Sheet-feeding machine. J. G. Hardie. No. 1,112,791; Oct. 6; Gaz. vol. 207; p. 133.
- Sheet-feeding machine. H. K. King. No. 1,118,357; Nov. 24; Gaz. vol. 208; p. 1128.
- Sheet-feeding machine. H. C. La Batt. No. 1,087,244; Feb. 17; Gaz. vol. 199; p. 676.
- Sheet-feeding machine. H. C. La Batt. No. 1,092,271; Apr. 7; Gaz. vol. 201; p. 51.
- Sheet-feeding machine. H. C. La Batt. No. 1,092,272; Apr. 7; Gaz. vol. 201; p. 51.
- Sheet-feeding-machine registering device. H. C. La Batt. No. 1,087,245; Feb. 17; Gaz. vol. 199; p. 677.
- Sheet-feeding mechanism. N. Anderson. No. 1,115,152; Oct. 27; Gaz. vol. 207; p. 1097.
- Sheet-gage. W. B. Wait. No. 1,090,666; Mar. 17; Gaz. vol. 200; p. 776.
- Sheet-guiding mechanism. J. W. Dickinson. No. 1,098,891; June 2; Gaz. vol. 203; p. 182.
- Sheet material, Combination-feed for. E. W. Labombarde. No. 1,112,811; Oct. 6; Gaz. vol. 207; p. 140.
- Sheet material, Contouring device for. T. and P. W. D. Roche. No. 1,102,082; June 30; Gaz. vol. 203; p. 1465.
- Sheet-material cutter. E. A. Lundy. No. 1,098,671; June 2; Gaz. vol. 203; p. 107.
- Sheet material, Die for cutting. T. Lund. No. 1,097,247; May 19; Gaz. vol. 202; p. 790.
- Sheet material, Fastening. T. B. Hafertep. No. 1,114,125; Oct. 20; Gaz. vol. 207; p. 684.
- Sheet material, Stretching. L. S. Lachman. No. 1,106,516; Aug. 11; Gaz. vol. 205; p. 369.
- Sheet metal and the like, Reinforcement for. C. A. Nicholas. No. 1,099,570; June 9; Gaz. vol. 203; p. 456.
- Sheet-metal box. F. Westerbeck. No. 1,110,661; Sept. 15; Gaz. vol. 206; p. 722.
- Sheet-metal box, Folding. O. G. Franks. No. 1,113,608; Oct. 13; Gaz. vol. 207; p. 460.
- Sheet-metal can. I. E. Sexton. No. 1,107,854; Aug. 18; Gaz. vol. 205; p. 887.
- Sheet-metal can. F. Westerbeck. No. 1,083,574; Jan. 6; Gaz. vol. 198; p. 104.
- Sheet-metal can for sardines. W. E. Taylor. No. 1,112,037; Sept. 29; Gaz. vol. 206; p. 1276.
- Sheet-metal-corrugating means. C. Baumgartner. No. 1,098,144; May 26; Gaz. vol. 202; p. 1147.
- Sheet-metal cutter. C. J. Holub. No. 1,122,598; Dec. 29; Gaz. vol. 209; p. 1443.
- Sheet-metal-cutting machine. C. B. Gray. No. 1,098,376; June 2; Gaz. vol. 203; p. 6.
- Sheet-metal-cutting machine. T. W. Suggs. No. 1,115,347; Oct. 27; Gaz. vol. 207; p. 1163.
- Sheet-metal-expanding machine. F. C. Arey. No. 1,090,961; Mar. 24; Gaz. vol. 200; p. 906.
- Sheet-metal-flanging machine. O. J. Groehn. No. 1,112,696; Oct. 6; Gaz. vol. 207; p. 102.
- Sheet metal in layers, Apparatus for joining. E. G. Lindhe. No. 1,096,512; May 12; Gaz. vol. 202; p. 492.
- Sheet-metal-jointing machine. P. F. Flagge. No. 1,103,953; July 21; Gaz. vol. 204; p. 690.
- Sheet-metal panel, Reinforced. L. G. Berry. No. 1,096,218; May 12; Gaz. vol. 202; p. 391.
- Sheet-metal slitting and bending machine. C. Rehbein. No. 1,118,232; Nov. 24; Gaz. vol. 208; p. 1083.
- Sheet-metal stampings, Means for removing scrap from. S. Timings. No. 1,122,666; Dec. 29; Gaz. vol. 209; p. 1468.
- Sheet-metal stopper. A. L. Weissenthanner. No. 1,118,606; Nov. 24; Gaz. vol. 208; p. 1217.
- Sheet-metal strips, Magazine and feeder for. H. C. Leonard. No. 1,094,369; Apr. 21; Gaz. vol. 201; p. 833.
- Sheet-metal structural element. C. L. Dunbar. No. 1,096,612; May 12; Gaz. vol. 202; p. 525.
- Sheet-metal trim. F. C. Gunn. No. 1,085,605; Feb. 3; Gaz. vol. 199; p. 9.
- Sheet-metal ware, Seam-forming machine for. R. R. Dietrich. No. 1,113,205; Oct. 13; Gaz. vol. 207; p. 318.
- Sheet-metal wheel. F. B. Horn and A. Wagner. No. 1,102,193; June 30; Gaz. vol. 203; p. 1504.
- Sheet metallic strips, Drawing-die for. G. W. Frohlich. No. 1,119,266; Dec. 1; Gaz. vol. 209; p. 125.
- Sheet, Protecting. E. C. Wallace. No. 1,107,732; Aug. 18; Gaz. vol. 205; p. 845.
- Sheet-registering mechanism. H. A. Maley. No. 1,085,279; Jan. 27; Gaz. vol. 198; p. 772.
- Sheet-registering mechanism. L. E. Morrison. No. 1,111,968; Sept. 29; Gaz. vol. 206; p. 1253.
- Sheet separating apparatus, Printed and slip. H. A. W. Wood. No. 1,090,437; Mar. 17; Gaz. vol. 200; p. 698.
- Sheet-separating machine. W. R. Kinnear. No. 1,090,722; Mar. 17; Gaz. vol. 200; p. 792.
- Sheet-separating machine, Metallic. G. M. Johnston. No. 1,119,611; Dec. 1; Gaz. vol. 209; p. 246.
- Sheet-separating mechanism. L. E. Morrison. No. 1,117,592; Nov. 17; Gaz. vol. 208; p. 820.
- Sheet separating, registering, and feeding apparatus. H. B. Green. No. 1,095,726; May 5; Gaz. vol. 202; p. 188.
- Sheet-separator control device. J. Heinrich. No. 1,092,359; Apr. 7; Gaz. vol. 201; p. 82.
- Sheet splitting and cutting machine. H. A. Cumfer. No. 1,107,762; Aug. 18; Gaz. vol. 205; p. 855.
- Sheet-trimming machine. C. L. Lilleberg. No. 1,120,394; Dec. 8; Gaz. vol. 209; p. 554.
- Sheets and fabrics, Strength-testing machine for. W. H. and C. W. Putnam. No. 1,116,118; Nov. 3; Gaz. vol. 208; p. 223.
- Sheets, Effecting the successive advance of laminated. B. Adriance and A. Calleson. No. 1,096,522; May 12; Gaz. vol. 202; p. 495.
- Sheets, Handling. H. A. Maley. No. 1,085,280; Jan. 27; Gaz. vol. 198; p. 772.
- Sheets into strips, Machine for cutting. J. N. Moulton. No. 1,095,661; May 5; Gaz. vol. 202; p. 167.
- Sheets, Making planished. S. M. Cooper. No. 1,085,586; Jan. 27; Gaz. vol. 198; p. 874.
- Sheets, Rewinding device for selector. F. W. Hempelmann. No. 1,097,020; May 19; Gaz. vol. 202; p. 708.
- Sheeting mechanism, Slip. H. K. King. No. 1,094,908; Apr. 28; Gaz. vol. 201; p. 1084.
- Shelf and supporting means therefor. G. E. Pickup. No. 1,110,342; Sept. 15; Gaz. vol. 206; p. 608.
- Shelf and towel-rack, Combined. F. W. Koehler. No. 1,090,724; Mar. 17; Gaz. vol. 200; p. 793.
- Shelf-bracket. H. T. Aubry. No. 1,108,543; Aug. 25; Gaz. vol. 205; p. 1175.

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- Shelf-bracket. J. R. Casper. No. 1,098,227; May 26; Gaz. vol. 202; p. 1175.
- Shelf-bracket, Adjustable. I. E. Selstad. No. 1,114,921; Oct. 27; Gaz. vol. 207; p. 1016.
- Shelf-bracket, Single-piece. O. L. Smedberg. No. 1,083,763; Jan. 6; Gaz. vol. 198; p. 167.
- Shelf, Corner-. T. W. Hollander. No. 1,094,331; Apr. 21; Gaz. vol. 201; p. 821.
- Shelf, Folding. C. A. Kessler. No. 1,106,569; Aug. 11; Gaz. vol. 205; p. 388.
- Shelf-rail. J. P. Eustis. No. 1,083,675; Jan. 6; Gaz. vol. 198; p. 138.
- Shelf, Sink-. A. P. Curtiss. No. 1,095,312; May 5; Gaz. vol. 202; p. 48.
- Shelf-support. E. A. Goddin. No. 1,115,465; Oct. 27; Gaz. vol. 207; p. 1203.
- Shelf, Supporting-. J. A. McDonald. No. 1,116,091; Nov. 3; Gaz. vol. 208; p. 215.
- Shelf, Swinging. W. R. Walker. No. 1,114,948; Oct. 27; Gaz. vol. 207; p. 1025.
- Shelving. F. Baehn. No. 1,113,183; Oct. 13; Gaz. vol. 207; p. 308.
- Shelving, Foldable. M. Hartley. No. 1,099,649; June 9; Gaz. vol. 203; p. 482.
- Shelving, Rotary display-. J. H. Hines. No. 1,101,849; June 30; Gaz. vol. 203; p. 1381.
- Shell-assembling machine. H. Talley. No. 1,105,937; Aug. 4; Gaz. vol. 205; p. 123.
- Shell carrier and shuttle. H. Talley. No. 1,105,936; Aug. 4; Gaz. vol. 205; p. 123.
- Shell, Exploding. H. Mayer. No. 1,096,734; May 12; Gaz. vol. 202; p. 566.
- Shell filling and loading machine. H. Talley. No. 1,083,771; Jan. 6; Gaz. vol. 198; p. 170.
- Shell-grinder. F. Di Gianni. No. 1,109,405; Sept. 1; Gaz. vol. 206; p. 196.
- Shell or grenade with percussion-fusee, Rifle. R. Machenbach. No. 1,094,340; Apr. 21; Gaz. vol. 201; p. 823.
- Shell, Receiver-. J. B. Edwards. No. 1,115,520; Nov. 3; Gaz. vol. 208; p. 18.
- Shells, Strengthening receiver-. J. B. Edwards. No. 1,115,519; Nov. 3; Gaz. vol. 208; p. 18.
- Sheller. See Bean-sheller; Corn-sheller; Pea-sheller.
- Shelling and deburring machines, Feed-regulator for. W. Martin. No. 1,097,658; May 26; Gaz. vol. 202; p. 975.
- Shelling peas and like vegetable matters. W. Northrop. No. 1,118,673; Nov. 24; Gaz. vol. 208; p. 1240.
- Shelter, Portable folding. L. A. Bell. No. 1,092,514; Apr. 7; Gaz. vol. 201; p. 135.
- Shield. S. Szalkay. No. 1,110,084; Sept. 8; Gaz. vol. 206; p. 476.
- Shield and grip, Combination. C. H. Mayer. No. 1,122,971; Dec. 29; Gaz. vol. 209; p. 1575.
- Shield-cleaner. F. Klitchko. No. 1,086,371; Feb. 10; Gaz. vol. 199; p. 322.
- Shield or screen. B. F. Barnes. No. 1,094,049; Apr. 21; Gaz. vol. 201; p. 729.
- Shield, Ornamental. S. Suraci. No. 1,088,480; Feb. 24; Gaz. vol. 199; p. 1147.
- Shield, Sanitary. J. C. Keffer. No. 1,102,759; July 7; Gaz. vol. 204; p. 188.
- Shield, Ventilating-. M. H. Williams. No. 1,117,292; Nov. 17; Gaz. vol. 208; p. 716.
- Shifter mechanism. G. L. McCain. No. 1,119,362; Dec. 1; Gaz. vol. 209; p. 159.
- Shingle. F. H. Grant. No. 1,094,893; Apr. 28; Gaz. vol. 201; p. 1079.
- Shingle. R. B. Marschke. No. 1,119,439; Dec. 1; Gaz. vol. 209; p. 186.
- Shingle and roof construction. A. P. Gosnell. No. 1,086,524; Feb. 10; Gaz. vol. 199; p. 375.
- Shingle, Composite waterproof. C. S. Bird. No. 1,108,884; Sept. 1; Gaz. vol. 206; p. 7.
- Shingle-cutter. J. D. Kizer. No. 1,106,224; Aug. 4; Gaz. vol. 205; p. 222.
- Shingle-cutting machine. C. Neely. No. 1,092,381; Apr. 7; Gaz. vol. 201; p. 88.
- Shingle for repairing old or leaky roofs. R. B. Hall. No. 1,090,531; Mar. 17; Gaz. vol. 200; p. 730.
- Shingle-forming apparatus, Roofing-. A. S. Spiegel. No. 1,116,149; Nov. 3; Gaz. vol. 208; p. 234.
- Shingle-gage. C. Russell. No. 1,115,741; Nov. 3; Gaz. vol. 208; p. 93.
- Shingle, Metallic. C. A. and C. B. Pruitt. No. 1,111,674; Sept. 22; Gaz. vol. 206; p. 1115.
- Shingle, Metallic repair-. W. S. Hull. No. 1,121,365; Dec. 15; Gaz. vol. 209; p. 942.
- Shingle, Roofing-. H. M. Reynolds. No. 1,108,236; Aug. 25; Gaz. vol. 205; p. 1068.
- Shingle, Roofing-. H. M. Reynolds. No. 1,115,866; Nov. 3; Gaz. vol. 208; p. 136.
- Shingles, Treating bundles of. C. M. Abbott. No. 1,105,055; July 28; Gaz. vol. 204; p. 1119.
- Shingler's chair. G. A. Thomas and C. Heberer. No. 1,113,068; Oct. 6; Gaz. vol. 207; p. 226.
- Shingling-bracket. G. Bonenberger. No. 1,109,506; Sept. 1; Gaz. vol. 206; p. 228.
- Shingling-bracket. W. Gibson. No. 1,113,775; Oct. 13; Gaz. vol. 207; p. 519.
- Ship. R. S. Clift. No. 1,119,749; Dec. 1; Gaz. vol. 209; p. 290.
- Ship. W. Kincaid. No. 1,087,385; Feb. 17; Gaz. vol. 199; p. 725.
- Ship. G. Kovalevitch. No. 1,113,173; Oct. 6; Gaz. vol. 207; p. 264.
- Ship-brake, Emergency. J. H. Hyde. No. 1,087,660; Feb. 17; Gaz. vol. 199; p. 823.
- Ship-building construction. D. Johnson. No. 1,097,326; May 19; Gaz. vol. 203; p. 818.
- Ship construction. T. R. Gawley. No. 1,093,692; Apr. 21; Gaz. vol. 201; p. 612.
- Ship construction. J. T. Horne. No. 1,114,263; Oct. 20; Gaz. vol. 207; p. 731.
- Ship construction. J. Szepessy. No. 1,105,009; July 28; Gaz. vol. 204; p. 1102.
- Ship-fender. J. P. Kause. No. 1,117,579; Nov. 17; Gaz. vol. 208; p. 815.
- Ship-fender. T. Orlando. No. 1,100,607; June 16; Gaz. vol. 203; p. 847.
- Ship-fender. G. R. Shipman. No. 1,105,461; July 28; Gaz. vol. 204; p. 1263.
- Ship-hatch. A. and A. M. McDougall. No. 1,118,667; Nov. 24; Gaz. vol. 208; p. 1238.
- Ship, Non-sinkable. A. Nogar. No. 1,119,715; Dec. 1; Gaz. vol. 209; p. 280.
- Ship-protector. S. H. Wood. No. 1,087,057; Feb. 10; Gaz. vol. 199; p. 557.
- Ship-repairing appliance. T. Czerniawski. No. 1,099,167; June 9; Gaz. vol. 203; p. 316.
- Ship-reversing device, Automatic. J. A. Savoy. No. 1,105,537; July 28; Gaz. vol. 204; p. 1289.
- Ship-steadying device. T. C. Forbes. (Reissue.) No. 13,755; June 23; Gaz. vol. 203; p. 1217.
- Ship-steadying device, Turbo. E. Thomson. No. 1,093,159; Apr. 14; Gaz. vol. 201; p. 391.
- Ship-table. S. Beker. No. 1,108,318; Aug. 25; Gaz. vol. 205; p. 1097.
- Ship-table, Non-spillable. P. W. Keymer. No. 1,115,213; Oct. 27; Gaz. vol. 207; p. 1120.
- Ship, Tank-. R. Zolling. No. 1,103,239; July 14; Gaz. vol. 204; p. 402.
- Ships and other vessels, Construction of. J. R. Oldham. No. 1,110,077; Sept. 8; Gaz. vol. 206; p. 473.
- Ships and the like, Heating of. M. Macleod. No. 1,114,498; Oct. 20; Gaz. vol. 207; p. 816.
- Ships, Apparatus for discharging ashes and other materials from. W. L. Baylay. No. 1,100,705; June 23; Gaz. vol. 203; p. 935.
- Ships, Apparatus for raising sunken. S. Steiner. No. 1,106,983; Aug. 11; Gaz. vol. 105; p. 532.
- Ships, Arrangement for closing leaks in. D. Lucka. No. 1,107,680; Aug. 18; Gaz. vol. 205; p. 827.
- Ship's bilge-tunnel. G. Simpson and J. R. Gordon. No. 1,118,956; Dec. 1; Gaz. vol. 209; p. 17.
- Ship's buffer. J. Ontko, Jr. No. 1,095,919; May 5; Gaz. vol. 202; p. 252.
- Ship's-course-recording device. F. Spalazzi. No. 1,094,487; Apr. 28; Gaz. vol. 201; p. 937.
- Ships, Floating platform for. P. Drocac. No. 1,121,617; Dec. 22; Gaz. vol. 209; p. 1064.
- Ships, Hull of steel. S. Holmes. No. 1,089,135; Mar. 3; Gaz. vol. 200; p. 160.
- Ships, Instrument for indicating the righting-arms and other particulars relating to the stability of. S. B. Ralston. No. 1,116,119; Nov. 3; Gaz. vol. 208; p. 224.
- Ships, Means for removing coal and other foreign bodies from coal-bunker doors or other water-tight closures on. G. Mazzolini. No. 1,084,701; Jan. 20; Gaz. vol. 198; p. 539.
- Ships, Method and means for automatically applying differential air-pressure to compartments of. F. J. and F. D. Sprague. No. 1,113,257; Oct. 13; Gaz. vol. 207; p. 337.
- Ships' ports, Fastening device suitable for. M. McKenzie. No. 1,097,249; May 19; Gaz. vol. 202; p. 790.
- Ship's safety device. A. H. Matthew and J. B. Prouty. No. 1,102,533; July 7; Gaz. vol. 204; p. 109.
- Ship's table. T. Dedio. No. 1,104,251; July 21; Gaz. vol. 204; p. 791.
- Ship's table. J. Zsilavetz. No. 1,088,118; Feb. 24; Gaz. vol. 199; p. 1026.
- Ships, Trim-indicator for. R. C. Roberts. No. 1,110,347; Sept. 15; Gaz. vol. 206; p. 610.
- Shipping and display carton, Combined. W. A. V. Porter. No. 1,120,238; Dec. 8; Gaz. vol. 209; p. 498.
- Shipping-box. J. P. Hummel. No. 1,119,165; Dec. 1; Gaz. vol. 209; p. 93.
- Shipping-box. J. W. Schleicher. No. 1,116,632; Nov. 10; Gaz. vol. 208; p. 445.
- Shipping-box for automobiles, Demountable. T. Jory and G. A. Grimm. No. 1,086,670; Feb. 10; Gaz. vol. 199; p. 426.
- Shipping-box for umbrellas and canes. S. H. Roberts and G. W. Schaefer. No. 1,112,325; Sept. 29; Gaz. vol. 206; p. 1376.
- Shipping-case. A. J. Coughenour. No. 1,120,792; Dec. 15; Gaz. vol. 209; p. 742.
- Shipping-case. C. G. Quackenbush. No. 1,100,326; June 16; Gaz. vol. 203; p. 752.
- Shipping-case. J. L. Rieger. No. 1,100,099; June 16; Gaz. vol. 203; p. 673.

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- Shipping case, Produce. M. E. Butts. No. 1,119,805; Dec. 8; Gaz. vol. 209; p. 346.
- Shipping device. B. L. Monesmith. No. 1,085,285; Jan. 27; Gaz. vol. 198; p. 774.
- Shipping-package. P. Mandeville and J. Wilkins. No. 1,122,522; Dec. 29; Gaz. vol. 209; p. 1417.
- Shipping-package. J. F. Simpson. No. 1,116,746; Nov. 10; Gaz. vol. 208; p. 484.
- Shipping-package. P. T. Snyder. No. 1,108,937; Sept. 1; Gaz. vol. 206; p. 28.
- Shipping-package. H. Thompson. No. 1,102,820; July 7; Gaz. vol. 204; p. 209.
- Shipping-package. E. Werness. No. 1,097,695; May 26; Gaz. vol. 202; p. 989.
- Shipping-receptacles, Machine for making wire-bound. J. J. Miller. No. 1,110,073; Sept. 8; Gaz. vol. 206; p. 471.
- Shirt. H. C. Berryman. No. 1,107,021; Aug. 11; Gaz. vol. 205; p. 543.
- Shirt. A. F. Chase. No. 1,083,430; Jan. 6; Gaz. vol. 198; p. 58.
- Shirt. C. C. Filson. No. 1,088,891; Mar. 3; Gaz. vol. 200; p. 75.
- Shirt. W. H. Fox. No. 1,119,589; Dec. 1; Gaz. vol. 209; p. 238.
- Shirt. L. D. Livingston. No. 1,119,617; Dec. 1; Gaz. vol. 209; p. 248.
- Shirt. A. Reznicek. No. 1,110,822; Sept. 15; Gaz. vol. 206; p. 777.
- Shirt. D. Schlesinger. No. 1,117,525; Nov. 17; Gaz. vol. 208; p. 797.
- Shirt. W. S. Tothill. No. 1,111,626; Sept. 22; Gaz. vol. 206; p. 1098.
- Shirt. G. E. Watts. No. 1,089,999; Mar. 10; Gaz. vol. 200; p. 503.
- Shirt and drawers. J. M. Atkinson. No. 1,113,924; Oct. 13; Gaz. vol. 207; p. 570.
- Shirt and trousers-support. J. A. Erwin. No. 1,110,912; Sept. 15; Gaz. vol. 206; p. 810.
- Shirt-band, Reinforced and protective. S. P. Simon. No. 1,089,592; Mar. 10; Gaz. vol. 200; p. 363.
- Shirt-box. C. C. Wilson. No. 1,115,639; Nov. 3; Gaz. vol. 208; p. 58.
- Shirt, Coatless. L. T. Spriggs. No. 1,095,939; May 5; Gaz. vol. 202; p. 259.
- Shirt-front attachment. J. P. Rees. No. 1,098,638; June 2; Gaz. vol. 203; p. 97.
- Shirt-holder. C. H. Damman. No. 1,103,742; July 14; Gaz. vol. 204; p. 576.
- Shirt-neckband. J. H. Funk. No. 1,097,856; May 26; Gaz. vol. 202; p. 1045.
- Shirt. Negligée. A. Kolb. No. 1,097,101; May 19; Gaz. vol. 202; p. 738.
- Shirt, Negligée. G. H. Nicholas. No. 1,118,792; Nov. 24; Gaz. vol. 208; p. 1278.
- Shirt-protector. E. D. McCahey. No. 1,110,701; Sept. 15; Gaz. vol. 206; p. 736.
- Shirt protector, Laundried. N. J. Goodman. No. 1,107,513; Aug. 18; Gaz. vol. 205; p. 767.
- Shirt, Safety cuff-button. J. Falkenberg. No. 1,100,674; June 16; Gaz. vol. 203; p. 868.
- Shirt-sleeve, Adjustable. L. Bauer. No. 1,085,399; Jan. 27; Gaz. vol. 198; p. 814.
- Shirt-sleeve holder. H. P. Lynch. No. 1,116,307; Nov. 3; Gaz. vol. 208; p. 285.
- Shirt-waist. M. Cohn. No. 1,090,452; Mar. 17; Gaz. vol. 200; p. 703.
- Shirts, Adjustable neckband for. C. C. Baldwin. No. 1,119,217; Dec. 1; Gaz. vol. 209; p. 111.
- Shirts, Tab for neckbands of. W. M. Steppacher. No. 1,122,327; Dec. 29; Gaz. vol. 209; p. 1351.
- Shoal-indicator. E. S. Wheeler. No. 1,122,343; Dec. 29; Gaz. vol. 209; p. 1356.
- Shock-absorber. H. A. Ahnert. No. 1,112,961; Oct. 6; Gaz. vol. 207; p. 191.
- Shock-absorber. F. H. Babcock. No. 1,120,885; Dec. 15; Gaz. vol. 209; p. 775.
- Shock-absorber. J. Baker, Jr. No. 1,097,286; May 19; Gaz. vol. 202; p. 804.
- Shock-absorber. A. A. Barber. No. 1,121,547; Dec. 15; Gaz. vol. 209; p. 1004.
- Shock-absorber. W. Bardsley. No. 1,105,603; Aug. 4; Gaz. vol. 205; p. 5.
- Shock-absorber. K. V. Bennis. No. 1,120,013; Dec. 8; Gaz. vol. 209; p. 419.
- Shock-absorber. J. G. Bethune and F. H. Babcock. No. 1,102,858; July 7; Gaz. vol. 204; p. 222.
- Shock-absorber. J. Boccolin. No. 1,110,876; Sept. 15; Gaz. vol. 206; p. 798.
- Shock-absorber. C. F. Boidot. No. 1,088,523; Feb. 24; Gaz. vol. 199; p. 1161.
- Shock-absorber. R. H. Bowen. No. 1,101,993; June 30; Gaz. vol. 203; p. 1434.
- Shock-absorber. H. H. Boyce. No. 1,102,864; July 7; Gaz. vol. 204; p. 224.
- Shock-absorber. W. Bramham. No. 1,101,614; June 30; Gaz. vol. 203; p. 1301.
- Shock-absorber. C. P. C. Bretschneider. No. 1,084,925; Jan. 20; Gaz. vol. 198; p. 614.
- Shock-absorber. W. J. Brocker and N. J. Baker. No. 1,112,671; Oct. 6; Gaz. vol. 207; p. 93.
- Shock-absorber. O. T. Bugg. No. 1,108,488; Aug. 25; Gaz. vol. 205; p. 1155.
- Shock-absorber. R. H. Carr and J. C. Maddux. No. 1,102,644; July 7; Gaz. vol. 204; p. 149.
- Shock-absorber. W. G. Chipley. No. 1,121,476; Dec. 15; Gaz. vol. 209; p. 980.
- Shock-absorber. M. T. Convery. No. 1,122,694; Dec. 29; Gaz. vol. 209; p. 1478.
- Shock-absorber. W. C. Cornwell. No. 1,112,771; Oct. 6; Gaz. vol. 207; p. 127.
- Shock-absorber. B. W. Davis. No. 1,111,739; Sept. 29; Gaz. vol. 206; p. 1171.
- Shock-absorber. C. H. De La Monte. No. 1,099,539; June 9; Gaz. vol. 203; p. 445.
- Shock-absorber. H. Dodge. No. 1,096,609; May 12; Gaz. vol. 202; p. 524.
- Shock-absorber. L. Dufour. No. 1,099,640; June 9; Gaz. vol. 203; p. 479.
- Shock-absorber. J. Dunn. No. 1,083,734; Jan. 6; Gaz. vol. 198; p. 159.
- Shock-absorber. H. Evans. No. 1,119,005; Dec. 1; Gaz. vol. 209; p. 36.
- Shock-absorber. C. F. Fernald. No. 1,090,292; Mar. 17; Gaz. vol. 200; p. 646.
- Shock-absorber. W. R. Frommater. No. 1,089,830; Mar. 10; Gaz. vol. 200; p. 444.
- Shock-absorber. P. Gresser. No. 1,099,646; June 9; Gaz. vol. 203; p. 481.
- Shock-absorber. C. F. Griffith. No. 1,118,761; Nov. 24; Gaz. vol. 208; p. 1268.
- Shock-absorber. A. E. Hall. No. 1,101,696; June 30; Gaz. vol. 203; p. 1329.
- Shock-absorber. A. E. Hall. No. 1,102,265; July 7; Gaz. vol. 204; p. 15.
- Shock-absorber. C. H. Hammersmith. No. 1,113,619; Oct. 13; Gaz. vol. 207; p. 463.
- Shock-absorber. A. Herz. No. 1,114,691; Oct. 20; Gaz. vol. 207; p. 879.
- Shock-absorber. O. J. Hobson. No. 1,086,174; Feb. 3; Gaz. vol. 199; p. 211.
- Shock-absorber. W. H. Horstmann. No. 1,086,917; Feb. 10; Gaz. vol. 199; p. 512.
- Shock-absorber. M. Houdaille. No. 1,087,017; Feb. 10; Gaz. vol. 199; p. 544.
- Shock-absorber. J. M. Jackson. No. 1,086,182; Feb. 3; Gaz. vol. 199; p. 213.
- Shock-absorber. E. Jeno and S. Kruchio. No. 1,104,196; July 21; Gaz. vol. 204; p. 772.
- Shock-absorber. C. P. Johnson. No. 1,093,187; Apr. 14; Gaz. vol. 201; p. 400.
- Shock-absorber. T. C. Kinkaid. No. 1,112,705; Oct. 6; Gaz. vol. 207; p. 105.
- Shock-absorber. R. M. Lyon. No. 1,089,002; Mar. 3; Gaz. vol. 200; p. 112.
- Shock-absorber. H. K. McClure. No. 1,122,292; Dec. 29; Gaz. vol. 209; p. 1339.
- Shock-absorber. J. R. McConnell. No. 1,084,353; Jan. 13; Gaz. vol. 198; p. 393.
- Shock-absorber. J. A. McKnight. No. 1,104,064; July 21; Gaz. vol. 204; p. 728.
- Shock-absorber. J. A. McKnight. No. 1,120,834; Dec. 15; Gaz. vol. 209; p. 756.
- Shock-absorber. F. X. Mudd. No. 1,098,826; June 2; Gaz. vol. 203; p. 159.
- Shock-absorber. J. E. Muhlfield. No. 1,093,642; Apr. 21; Gaz. vol. 201; p. 593.
- Shock-absorber. J. H. Neder. No. 1,086,929; Feb. 10; Gaz. vol. 199; p. 516.
- Shock-absorber. W. O. Olson. No. 1,097,353; May 19; Gaz. vol. 202; p. 827.
- Shock-absorber. H. W. Owen. No. 1,116,474; Nov. 10; Gaz. vol. 208; p. 384.
- Shock-absorber. J. and A. Raab. No. 1,109,546; Sept. 1; Gaz. vol. 206; p. 241.
- Shock-absorber. W. Reynolds. No. 1,088,093; Feb. 24; Gaz. vol. 199; p. 1018.
- Shock-absorber. I. C. Richards. No. 1,088,450; Feb. 24; Gaz. vol. 199; p. 1138.
- Shock-absorber. K. Sato. No. 1,100,494; June 16; Gaz. vol. 203; p. 810.
- Shock-absorber. A. H. Schaal. No. 1,099,943; June 16; Gaz. vol. 203; p. 619.
- Shock-absorber. F. Schimmel. No. 1,114,651; Oct. 20; Gaz. vol. 207; p. 866.
- Shock-absorber. D. C. Shaw and J. F. McGillivray. No. 1,097,194; May 19; Gaz. vol. 202; p. 770.
- Shock-absorber. D. M. Sherman. No. 1,118,818; Nov. 24; Gaz. vol. 208; p. 1287.
- Shock-absorber. J. D. Show. No. 1,095,936; May 5; Gaz. vol. 202; p. 258.
- Shock-absorber. E. A. Spagnolo. No. 1,120,555; Dec. 8; Gaz. vol. 209; p. 611.
- Shock-absorber. M. D. Tillman. No. 1,087,898; Feb. 17; Gaz. vol. 199; p. 901.
- Shock-absorber. C. H. and G. B. Van Wert. No. 1,113,073; Oct. 6; Gaz. vol. 207; p. 228.
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- Shock-absorber. W. M. Ward. No. 1,095,610; May 5; Gaz. vol. 202; p. 149.
- Shock-absorber. E. L. Williams. No. 1,121,315; Dec. 15; Gaz. vol. 209; p. 924.
- Shock-absorber. R. T. Williams. No. 1,096,279; May 12; Gaz. vol. 202; p. 413.
- Shock-absorber, Air-compressing. J. J. Campodonico. No. 1,114,857; Oct. 27; Gaz. vol. 207; p. 992.
- Shock-absorber and antirecoil device. J. C. Sherman. No. 1,117,261; Nov. 17; Gaz. vol. 208; p. 704.
- Shock-absorber, Automobile. J. C. Lautenbacher and A. Geary. No. 1,098,271; May 26; Gaz. vol. 202; p. 1191.
- Shock-absorber for motor-car springs. W. Evans. No. 1,111,015; Sept. 22; Gaz. vol. 206; p. 888.
- Shock-absorber for motor-cars and other road-vehicles. L. M. Brew and E. H. Reeves. No. 1,086,750; Feb. 10; Gaz. vol. 199; p. 454.
- Shock-absorber for motor-cycles. C. W. Heath. No. 1,104,500; July 21; Gaz. vol. 204; p. 878.
- Shock-absorber for motor-cycles. C. W. Heath. No. 1,104,501; July 21; Gaz. vol. 204; p. 879.
- Shock-absorber for motor-vehicles. R. M. Brasington. No. 1,110,875; Sept. 15; Gaz. vol. 206; p. 797.
- Shock-absorber for percussion-operated tools. G. Cook. No. 1,093,830; Apr. 21; Gaz. vol. 201; p. 657.
- Shock-absorber for valves. E. A. Perkins. No. 1,091,238; Mar. 24; Gaz. vol. 200; p. 1003.
- Shock-absorber, Frictional. F. Schimmel. No. 1,097,050; May 19; Gaz. vol. 202; p. 720.
- Shock-absorber, Pneumatic. R. E. Bates. No. 1,105,953; Aug. 4; Gaz. vol. 205; p. 128.
- Shock-absorber, Rail-joint. S. D. Myers. No. 1,109,862; Sept. 8; Gaz. vol. 206; p. 396.
- Shock-absorber, Road-vehicle. J. J. Griffin and G. M. Peacock. No. 1,091,884; Mar. 31; Gaz. vol. 200; p. 1266.
- Shock-absorber, Vehicle. E. Bugatti. No. 1,099,586; June 9; Gaz. vol. 203; p. 461.
- Shock-absorber, Vehicle. W. J. Faber. No. 1,117,014; Nov. 10; Gaz. vol. 208; p. 579.
- Shock-absorber, Vehicle. J. Moir. No. 1,099,073; June 2; Gaz. vol. 203; p. 239.
- Shock-absorber, Vehicle. P. K. Olechna. No. 1,104,380; July 21; Gaz. vol. 204; p. 836.
- Shock-absorber, Vehicle. G. Schwager. No. 1,109,255; Sept. 1; Gaz. vol. 206; p. 141.
- Shock-absorber, Vehicle. M. G. Stewart. No. 1,115,746; Nov. 3; Gaz. vol. 208; p. 95.
- Shock-absorber, Vehicle spring. J. N. Lewis. No. 1,089,363; Mar. 3; Gaz. vol. 200; p. 234.
- Shock-absorbing device. C. H. Foster. No. 1,089,828; Mar. 10; Gaz. vol. 200; p. 444.
- Shock-absorbing spring. J. M. Bateman. No. 1,120,671; Dec. 15; Gaz. vol. 209; p. 700.
- Shock-absorbing spring for vehicles. J. B. King. No. 1,107,964; Aug. 18; Gaz. vol. 205; p. 923.
- Shock-absorbing wheel. H. A. Becker. No. 1,091,622; Mar. 31; Gaz. vol. 200; p. 1174.
- Shock-binder. P. H. Casey. No. 1,117,788; Nov. 17; Gaz. vol. 208; p. 891.
- Shock-carrier. E. Paulson. No. 1,103,311; July 14; Gaz. vol. 204; p. 426.
- Shock-collecting apparatus. M. D. Reip. No. 1,085,161; Jan. 27; Gaz. vol. 198; p. 731.
- Shock-compressor. R. L. Miller. No. 1,115,085; Oct. 27; Gaz. vol. 207; p. 1074.
- Shock-conveyer. G. H. Pallady. No. 1,090,337; Mar. 17; Gaz. vol. 200; p. 661.
- Shock-equalizer. O. Neuvians. No. 1,111,852; Sept. 29; Gaz. vol. 206; p. 1216.
- Shock-forming machine. P. Ketelsen. No. 1,088,592; Feb. 24; Gaz. vol. 199; p. 1183.
- Shock-loader. P. J. Donovan. (Reissue.) No. 13,700; Mar. 17; Gaz. vol. 200; p. 829.
- Shock-loader. J. F. Vailentyne. No. 1,110,469; Sept. 15; Gaz. vol. 206; p. 654.
- Shock-loader. W. Weigel. No. 1,086,005; Feb. 3; Gaz. vol. 199; p. 152.
- Shock-loader. P. T. Zollars. No. 1,102,848; July 7; Gaz. vol. 204; p. 219.
- Shock-loading device. M. W. Hoag. No. 1,087,447; Feb. 17; Gaz. vol. 199; p. 747.
- Shock-tying device. C. C. Zugschwerdt. No. 1,086,974; Feb. 10; Gaz. vol. 199; p. 531.
- Shocker, Automatic. E. Moore. No. 1,121,527; Dec. 15; Gaz. vol. 209; p. 997.
- Shocking-hook. O. C. Anderson. No. 1,086,636; Feb. 10; Gaz. vol. 199; p. 415.
- Shocking-machine. C. W. Davison, W. Herriot, E. T. Spidy, and F. A. Mattson. No. 1,103,273; July 14; Gaz. vol. 204; p. 414.
- Shoe. A. H. Batten. No. 1,114,435; Oct. 20; Gaz. vol. 207; p. 792.
- Shoe. R. D. S. Bennett. No. 1,085,010; Jan. 20; Gaz. vol. 198; p. 642.
- Shoe. C. C. Eaton. No. 1,103,914; July 14; Gaz. vol. 204; p. 634.
- Shoe. K. Engel. No. 1,101,419; June 23; Gaz. vol. 203; p. 1182.
- Shoe. H. M. Fauteux. No. 1,117,175; Nov. 17; Gaz. vol. 208; p. 673.
- Shoe. O. Hjelkrem. No. 1,092,146; Apr. 7; Gaz. vol. 201; p. 8.
- Shoe. W. J. Hoar. No. 1,106,811; Aug. 11; Gaz. vol. 205; p. 472.
- Shoe. I. Horton. No. 1,115,467; Oct. 27; Gaz. vol. 207; p. 1204.
- Shoe. J. C. Hosmer. No. 1,118,130; Nov. 24; Gaz. vol. 208; p. 1049.
- Shoe. W. J. MacFarland. No. 1,101,747; June 30; Gaz. vol. 203; p. 1345.
- Shoe. A. J. Mathews. No. 1,114,783; Oct. 27; Gaz. vol. 207; p. 966.
- Shoe. W. F. Randall. No. 1,112,834; Oct. 6; Gaz. vol. 207; p. 148.
- Shoe. G. H. Ricke. No. 1,091,165; Mar. 24; Gaz. vol. 200; p. 978.
- Shoe. H. Rose, Jr. No. 1,117,246; Nov. 17; Gaz. vol. 208; p. 699.
- Shoe. M. E. Shoemaker. No. 1,101,341; June 23; Gaz. vol. 203; p. 1155.
- Shoe. J. M. Sundean. No. 1,087,517; Feb. 17; Gaz. vol. 199; p. 770.
- Shoe. J. Wehrwein. No. 1,083,573; Jan. 6; Gaz. vol. 198; p. 104.
- Shoe and the like. J. Frank. No. 1,116,051; Nov. 3; Gaz. vol. 208; p. 200.
- Shoe-angle, Rolled. B. G. Braine and W. J. Bradley. No. 1,110,529; Sept. 15; Gaz. vol. 206; p. 674.
- Shoe, Antislipping. T. H. Johnson. No. 1,120,059; Dec. 8; Gaz. vol. 209; p. 435.
- Shoe-bottom filler. A. Thoma. No. 1,120,634; Dec. 8; Gaz. vol. 209; p. 640.
- Shoe-bottom filler and making same. A. Thoma. No. 1,114,819; Oct. 27; Gaz. vol. 207; p. 979.
- Shoe-bottom filler and making same, Plastic. A. Thoma. No. 1,121,688; Dec. 22; Gaz. vol. 209; p. 1091.
- Shoe-bottom-filler machine. W. F. Torrey. No. 1,122,661; Dec. 29; Gaz. vol. 209; p. 1466.
- Shoe-bottom filler, Tough. A. Thoma. No. 1,121,689; Dec. 22; Gaz. vol. 209; p. 1091.
- Shoe-bottom filler, Using. A. Thoma. No. 1,118,161; Nov. 24; Gaz. vol. 208; p. 1058.
- Shoe-bow. G. Sachse. No. 1,090,882; Mar. 24; Gaz. vol. 200; p. 879.
- Shoe-buckle. F. Pitsch. No. 1,119,722; Dec. 1; Gaz. vol. 209; p. 282.
- Shoe-buffer. W. R. Landy. No. 1,115,468; Oct. 27; Gaz. vol. 207; p. 1204.
- Shoe, Burial. F. M. Barnhart. No. 1,121,158; Dec. 15; Gaz. vol. 209; p. 873.
- Shoe cleaning and polishing device. S. Szarka. No. 1,119,201; Dec. 1; Gaz. vol. 209; p. 105.
- Shoe-cleaning device. C. Varga. No. 1,114,944; Oct. 27; Gaz. vol. 207; p. 1024.
- Shoe-cleaning machine. A. G. Kopacki. No. 1,101,194; June 23; Gaz. vol. 203; p. 1105.
- Shoe-creat. F. A. Schroeder. No. 1,093,358; Apr. 14; Gaz. vol. 201; p. 459.
- Shoe-closure. J. Jürgens. No. 1,107,616; Aug. 18; Gaz. vol. 205; p. 804.
- Shoe construction. T. J. Aldridge and M. A. Reilly. No. 1,101,379; June 23; Gaz. vol. 203; p. 1168.
- Shoe construction. A. H. Buttles. No. 1,115,651; Nov. 3; Gaz. vol. 208; p. 63.
- Shoe construction. A. H. Pratt. No. 1,112,553; Oct. 6; Gaz. vol. 207; p. 50.
- Shoe-counter. J. F. McMahon. No. 1,113,031; Oct. 6; Gaz. vol. 207; p. 215.
- Shoe-dressing and making the same. T. Miyata and S. Kuwayama. No. 1,106,957; Aug. 11; Gaz. vol. 205; p. 524.
- Shoe-edge-trimming machines, Lubricating device for the shields of. A. E. West. No. 1,092,465; Apr. 7; Gaz. vol. 201; p. 118.
- Shoe, Electric. K. H. Brown. No. 1,090,682; Mar. 17; Gaz. vol. 200; p. 780.
- Shoe-expander. C. D. Compton. No. 1,084,400; Jan. 13; Gaz. vol. 198; p. 408.
- Shoe-fastener. W. W. McCoy. No. 1,098,283; May 26; Gaz. vol. 202; p. 1196.
- Shoe-fastener. F. E. Slocum. No. 1,116,142; Nov. 3; Gaz. vol. 208; p. 232.
- Shoe-fastener for heels. E. J. Wesp. No. 1,119,555; Dec. 1; Gaz. vol. 209; p. 227.
- Shoe-filler and making same, Paste. A. Thoma. No. 1,121,054; Dec. 15; Gaz. vol. 209; p. 834.
- Shoe-fillers, Plastic composition for. A. Thoma. No. 1,115,988; Nov. 3; Gaz. vol. 208; p. 179.
- Shoe-filling machine. A. Perri. No. 1,120,847; Dec. 15; Gaz. vol. 209; p. 761.
- Shoe-finishing machine. H. A. Ballard. No. 1,117,299; Nov. 17; Gaz. vol. 208; p. 718.
- Shoe-finishing machine. W. Jackson. No. 1,102,511; July 7; Gaz. vol. 204; p. 101.
- Shoe for golf-hole marker-rods. H. Hinckley. No. 1,115,937; Nov. 3; Gaz. vol. 208; p. 160.
- Shoe for ladders. C. D. Kline and E. Nall. No. 1,113,446; Oct. 13; Gaz. vol. 207; p. 404.

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- Shoe-form. A. G. Legge. No. 1,104,304; July 21; Gaz. vol. 204; p. 809.
- Shoe-form. A. G. Legge. No. 1,109,771; Sept. 8; Gaz. vol. 206; p. 364.
- Shoe-form. A. G. Legge. No. 1,115,320; Oct. 27; Gaz. vol. 207; p. 1155.
- Shoe-form. W. E. Lougee. No. 1,087,308; Feb. 17; Gaz. vol. 199; p. 697.
- Shoe-form. W. S. Lougee. No. 1,087,884; Feb. 17; Gaz. vol. 199; p. 896.
- Shoe-form. L. W. Reinhardt. No. 1,118,582; Nov. 24; Gaz. vol. 208; p. 1208.
- Shoe-form. J. Youngman and H. W. Drenan. No. 1,102,464; July 7; Gaz. vol. 204; p. 85.
- Shoe-form, Pneumatic. O. E. Moore. No. 1,086,782; Feb. 10; Gaz. vol. 199; p. 466.
- Shoe, Hockey-. N. Johnson. No. 1,095,213; May 5; Gaz. vol. 202; p. 15.
- Shoe-hook. G. W. Riddle. No. 1,102,077; June 30; Gaz. vol. 203; p. 1464.
- Shoe-linings, Making. A. L. Harris. No. 1,095,857; May 5; Gaz. vol. 202; p. 233.
- Shoe, Logging-. E. Jaworek. No. 1,106,098; Aug. 4; Gaz. vol. 205; p. 181.
- Shoe-machine. O. Ashton. No. 1,113,085; Oct. 6; Gaz. vol. 207; p. 232.
- Shoe-machine, Automatic. E. E. Winkley. No. 1,088,390; Feb. 24; Gaz. vol. 199; p. 1118.
- Shoe-machine jack. E. A. Stiggins. No. 1,104,016; July 21; Gaz. vol. 204; p. 710.
- Shoe machinery. H. Raab. No. 1,105,834; Aug. 4; Gaz. vol. 205; p. 87.
- Shoe-machinery controller. V. Hoffman. No. 1,103,204; July 14; Gaz. vol. 204; p. 391.
- Shoe-machinery-feeding mechanism. A. E. Jerram. No. 1,118,016; Nov. 24; Gaz. vol. 208; p. 1008.
- Shoe-making machine. R. C. Simmons. No. 1,119,046; Dec. 1; Gaz. vol. 209; p. 53.
- Shoe, Non-slipping low. G. Guiffre. No. 1,110,624; Sept. 15; Gaz. vol. 206; p. 708.
- Shoe or slipper tree, Ventilating. W. A. Nickless. No. 1,095,917; May 5; Gaz. vol. 202; p. 252.
- Shoe-ornaments, Fastening device for. E. P. Cushman. No. 1,120,035; Dec. 8; Gaz. vol. 209; p. 427.
- Shoe-ornaments, &c., Machine for assembling parts of. S. O'Brien. No. 1,094,588; Apr. 28; Gaz. vol. 201; p. 971.
- Shoe parts, Making dies for. E. O. Krentler. No. 1,121,377; Dec. 15; Gaz. vol. 209; p. 946.
- Shoe-polishing apparatus. W. H. Gaggins. No. 1,110,384; Sept. 15; Gaz. vol. 206; p. 623.
- Shoe-polishing apparatus. W. H. Gaggins. No. 1,110,385; Sept. 15; Gaz. vol. 206; p. 623.
- Shoe-polishing device, Reversible. T. A. and L. T. Smith. No. 1,086,475; Feb. 10; Gaz. vol. 199; p. 358.
- Shoe-polishing machine. C. F. Burkhardt. (Reissue.) No. 1,379,797; Sept. 8; Gaz. vol. 206; p. 557.
- Shoe-polishing machine. C. F. Dieckmann. No. 1,086,032; Feb. 3; Gaz. vol. 199; p. 163.
- Shoe-polishing machine. G. B. Grafton. No. 1,088,563; Feb. 24; Gaz. vol. 199; p. 1173.
- Shoe-polishing machine. G. F. Green. No. 1,086,043; Feb. 3; Gaz. vol. 199; p. 166.
- Shoe-polishing machine. A. H. R. Heller. No. 1,091,657; Mar. 31; Gaz. vol. 200; p. 1186.
- Shoe-polishing machines, Foot-support for. I. E. Campbell. No. 1,086,023; Feb. 3; Gaz. vol. 199; p. 159.
- Shoe-protector. M. W. Dalton. No. 1,110,045; Sept. 8; Gaz. vol. 206; p. 462.
- Shoe-protector. N. J. Jerry. No. 1,120,310; Dec. 8; Gaz. vol. 209; p. 523.
- Shoe-pulling-on device. J. Carmichael and R. Whipps. No. 1,116,797; Nov. 10; Gaz. vol. 208; p. 503.
- Shoe-rack. W. P. Hammond. No. 1,100,072; June 16; Gaz. vol. 203; p. 664.
- Shoe-rack. E. F. O'Brien. No. 1,113,818; Oct. 13; Gaz. vol. 207; p. 534.
- Shoe re-forming machine, Turn-. A. Bates and H. E. Cooper. No. 1,121,967; Dec. 22; Gaz. vol. 209; p. 1188.
- Shoe-reinforcement. N. H. Davis. No. 1,099,430; June 9; Gaz. vol. 203; p. 408.
- Shoe-repairing machine. R. S. Cade. No. 1,103,347; July 14; Gaz. vol. 204; p. 439.
- Shoe-repairing tool. H. F. Pabst and H. Epstein. No. 1,121,941; Dec. 22; Gaz. vol. 209; p. 1180.
- Shoe-rest. W. H. Gaggins. No. 1,110,386; Sept. 15; Gaz. vol. 206; p. 623.
- Shoe, Roof-. A. E. Van Wie. No. 1,103,108; July 14; Gaz. vol. 204; p. 356.
- Shoe, Rubber-soled. C. B. Slater. No. 1,110,353; Sept. 15; Gaz. vol. 206; p. 612.
- Shoe-shaping machine. C. De Minico. No. 1,085,595; Feb. 3; Gaz. vol. 199; p. 6.
- Shoe-shiner's clamp. F. L. Campbell. No. 1,090,022; Mar. 10; Gaz. vol. 200; p. 511.
- Shoe-slugging machine. E. Erickson. No. 1,114,242; Oct. 20; Gaz. vol. 207; p. 723.
- Shoe, Snow-. C. E. Ellis. No. 1,087,745; Feb. 17; Gaz. vol. 199; p. 851.
- Shoe-sole, &c., grade-marker, Automatic. E. P. Nichols. No. 1,119,367; Dec. 1; Gaz. vol. 209; p. 161.
- Shoe, Spiked. J. S. Caldwell. No. 1,087,212; Feb. 17; Gaz. vol. 199; p. 663.
- Shoe, Sporting-. F. Cucinotta. No. 1,088,328; Feb. 24; Gaz. vol. 199; p. 1098.
- Shoe, Sporting-. D. J. Golden. No. 1,094,434; Apr. 28; Gaz. vol. 201; p. 917.
- Shoe-stand attachment. C. Hohmann. No. 1,093,699; Apr. 21; Gaz. vol. 201; p. 614.
- Shoe, Stitch-down. W. S. Shaft. No. 1,088,244; Feb. 24; Gaz. vol. 199; p. 1069.
- Shoe-strap. T. F. Byrnes. No. 1,109,107; Sept. 1; Gaz. vol. 206; p. 88.
- Shoe-stretcher. R. B. Codling. No. 1,107,037; Aug. 11; Gaz. vol. 205; p. 548.
- Shoe-stretcher. J. Contos. No. 1,117,164; Nov. 17; Gaz. vol. 208; p. 669.
- Shoe-stretcher. E. E. Ellmann. No. 1,117,818; Nov. 17; Gaz. vol. 208; p. 902.
- Shoe-stretcher. P. C. Holzemer and D. Zemborski. No. 1,097,437; May 19; Gaz. vol. 202; p. 853.
- Shoe-stretcher. T. A. Littlejohn. No. 1,100,752; June 23; Gaz. vol. 203; p. 950.
- Shoe-stretcher. F. Vogel. No. 1,101,221; June 23; Gaz. vol. 203; p. 1115.
- Shoe-stretcher. E. M. Whitney. No. 1,083,576; Jan. 6; Gaz. vol. 198; p. 104.
- Shoe-stretcher. E. M. Whitney. No. 1,083,577; Jan. 6; Gaz. vol. 198; p. 105.
- Shoe-support. L. A. Casgrain. No. 1,122,240; Dec. 22; Gaz. vol. 209; p. 1281.
- Shoe-support. J. C. Walsh. No. 1,104,396; July 21; Gaz. vol. 204; p. 841.
- Shoe-support for turn-shoe re-forming and other machines. A. Bates and H. E. Cooper. No. 1,121,968; Dec. 22; Gaz. vol. 209; p. 1189.
- Shoe, Tennis-. N. E. Tousley and C. H. Roper. No. 1,115,875; Nov. 3; Gaz. vol. 208; p. 139.
- Shoe-tip-drying rack, Apparel-. A. B. Goodbar. No. 1,085,601; Feb. 3; Gaz. vol. 199; p. 8.
- Shoe-top protector. H. W. Lambert. No. 1,105,332; July 28; Gaz. vol. 204; p. 1217.
- Shoe-tree. A. R. Anderson. No. 1,116,666; Nov. 10; Gaz. vol. 208; p. 457.
- Shoe-tree. P. A. Bowen. No. 1,119,744; Dec. 1; Gaz. vol. 209; p. 289.
- Shoe-tree. H. G. S. Denker. No. 1,121,233; Dec. 15; Gaz. vol. 209; p. 896.
- Shoe-tree. J. G. Gardner. No. 1,095,724; May 5; Gaz. vol. 202; p. 188.
- Shoe-tree. J. S. Hansen. No. 1,114,349; Oct. 20; Gaz. vol. 207; p. 760.
- Shoe-tree, External. A. L. Loomis. No. 1,106,465; Aug. 11; Gaz. vol. 205; p. 350.
- Shoe, Turned. F. A. Beal. No. 1,097,511; May 19; Gaz. vol. 202; p. 880.
- Shoe, Turned. R. B. Melanson. No. 1,098,819; June 2; Gaz. vol. 203; p. 156.
- Shoe upper and counter, Machine for tacking the. J. F. Waid. No. 1,102,617; July 7; Gaz. vol. 204; p. 140.
- Shoe-upper-folding machine. C. S. Marshall. No. 1,101,750; June 30; Gaz. vol. 203; p. 1346.
- Shoe-upper support. H. W. Lambert. No. 1,105,333; July 28; Gaz. vol. 204; p. 1217.
- Shoe upper, Tennis-. C. H. Roper. No. 1,113,831; Oct. 13; Gaz. vol. 207; p. 539.
- Shoe ventilating and disinfecting means. H. W. Halley. No. 1,103,874; July 14; Gaz. vol. 204; p. 622.
- Shoes, Adjustable auxiliary shank for. M. E. Normandin. No. 1,091,696; Mar. 31; Gaz. vol. 200; p. 1199.
- Shoes, Antiskid means for. F. L. Kryder. No. 1,097,239; May 19; Gaz. vol. 202; p. 787.
- Shoes, Applying protectors to. W. F. Bostock. No. 1,103,170; July 14; Gaz. vol. 204; p. 378.
- Shoes, Arch-support and ventilator for. J. Ball. No. 1,092,557; Apr. 7; Gaz. vol. 201; p. 149.
- Shoes, Arch-support for. P. Iacovino. No. 1,089,378; Mar. 3; Gaz. vol. 200; p. 239.
- Shoes, Fly-closer for button-. C. A. Bonney. No. 1,108,423; Aug. 25; Gaz. vol. 205; p. 1131.
- Shoes, High form for. A. G. Legge. No. 1,115,445; Oct. 27; Gaz. vol. 207; p. 1196.
- Shoes, Inner pad for. R. M. Sanderson and C. P. Whisler. No. 1,106,114; Aug. 4; Gaz. vol. 205; p. 186.
- Shoes, Inseam for. W. B. White. No. 1,096,581; May 12; Gaz. vol. 202; p. 514.
- Shoes, Machine for filling the bottoms of. A. Thoma. No. 1,113,381; Oct. 13; Gaz. vol. 207; p. 381.
- Shoes, Machine for operating on. E. E. Winkley. No. 1,092,619; Apr. 7; Gaz. vol. 201; p. 171.
- Shoes, Machine for use in the manufacture of welt-. J. B. Hadaway. No. 1,093,697; Apr. 21; Gaz. vol. 201; p. 614.
- Shoes, Making. A. Bates. No. 1,120,672; Dec. 15; Gaz. vol. 209; p. 700.
- Shoes, Making. J. A. Brogan. No. 1,093,030; Apr. 14; Gaz. vol. 201; p. 344.
- Shoes, Making. E. Brothers. No. 1,103,937; July 21; Gaz. vol. 204; p. 685.

Alphabetical list of inventions—Continued.

- Shoes, Making. H. G. Calef. No. 1,110,885; Sept. 15; Gaz. vol. 206; p. 800.
- Shoes, Making. J. Cavanagh. No. 1,084,312; Jan. 13; Gaz. vol. 198; p. 380.
- Shoes, Making. C. C. Eaton. No. 1,103,913; July 14; Gaz. vol. 204; p. 634.
- Shoes, Making. T. Lund. No. 1,122,139; Dec. 22; Gaz. vol. 209; p. 1246.
- Shoes, Making. W. J. MacFarland. No. 1,101,748; June 30; Gaz. vol. 203; p. 1345.
- Shoes, Making. W. D. Patterson. No. 1,115,099; Oct. 27; Gaz. vol. 207; p. 1078.
- Shoes, Making. A. H. Prenzel. No. 1,117,086; Nov. 10; Gaz. vol. 208; p. 603.
- Shoes, Making. A. H. Prenzel. No. 1,117,088; Nov. 10; Gaz. vol. 208; p. 604.
- Shoes, Making patent-leather. J. A. Kelly. No. 1,115,680; Nov. 3; Gaz. vol. 208; p. 73.
- Shoes, Making welt-. G. W. Smith. No. 1,119,729; Dec. 1; Gaz. vol. 209; p. 284.
- Shoes, Manufacture of. E. Bayard. No. 1,100,469; June 16; Gaz. vol. 203; p. 802.
- Shoes, Manufacture of. J. Cavanagh. No. 1,106,780; Aug. 11; Gaz. vol. 205; p. 461.
- Shoes, Manufacturing. M. Hilgert. No. 1,120,489; Dec. 8; Gaz. vol. 209; p. 588.
- Shoes, Manufacturing. F. W. Merrick. No. 1,093,563; Apr. 14; Gaz. vol. 201; p. 521.
- Shoes, Means for facilitating the marking of button positions on. O. R. Roenius and W. F. Gleue. No. 1,112,096; Sept. 29; Gaz. vol. 206; p. 1296.
- Shoes, Self-buttoner for. G. W. Ayres. No. 1,088,316; Feb. 24; Gaz. vol. 199; p. 1093.
- Shoes, Treating innersoles for. C. M. Guy. No. 1,120,193; Dec. 8; Gaz. vol. 209; p. 482.
- Shoes, Vamp-stay for. F. W. Merrick. No. 1,088,665; Feb. 24; Gaz. vol. 199; p. 1208.
- Shoemaker's jack. W. Esche. No. 1,104,484; July 21; Gaz. vol. 204; p. 872.
- Shoemaker's work-bench. G. T. McLeod. No. 1,104,372; July 21; Gaz. vol. 204; p. 833.
- Shoestring-fastener. H. De Bry. No. 1,085,550; Jan. 27; Gaz. vol. 198; p. 861.
- Shoestring-fastener. A. G. Hansen. No. 1,101,277; June 23; Gaz. vol. 203; p. 1133.
- Shook. U. G. Holley. No. 1,114,614; Oct. 20; Gaz. vol. 207; p. 853.
- Shooting-gallery. E. Howarth. No. 1,091,339; Mar. 24; Gaz. vol. 200; p. 1033.
- Shooting-gallery. A. J. Smith. No. 1,121,945; Dec. 22; Gaz. vol. 209; p. 1181.
- Shooting-glasses. D. D. Hubbell. No. 1,092,769; Apr. 7; Gaz. vol. 201; p. 221.
- Shot-carton, Tubular. C. H. Stevenson. No. 1,113,708; Oct. 13; Gaz. vol. 207; p. 495.
- Shot-spreader. L. A. and H. E. Sherman. No. 1,096,272; May 12; Gaz. vol. 202; p. 411.
- Shotgun, Automatic. H. B. Febiger. No. 1,096,615; May 12; Gaz. vol. 202; p. 526.
- Shotgun-barrel attachment. C. Ehrler. No. 1,089,403; Mar. 10; Gaz. vol. 200; p. 295.
- Short-circuit detector. J. K. Rush. No. 1,115,580; Nov. 3; Gaz. vol. 208; p. 38.
- Short-circuiting device. E. Bretch. No. 1,111,358; Sept. 22; Gaz. vol. 206; p. 1006.
- Shoulder-brace. J. U. Adams. No. 1,117,746; Nov. 17; Gaz. vol. 208; p. 876.
- Shoulder-brace. T. G. Bowers. No. 1,093,379; Apr. 14; Gaz. vol. 201; p. 466.
- Shoulder-brace. E. F. Small. No. 1,100,499; June 16; Gaz. vol. 203; p. 812.
- Shoulder-clasp. R. F. Holland. No. 1,101,184; June 23; Gaz. vol. 203; p. 1102.
- Shoulder-shield. P. F. Dunigan. No. 1,111,012; Sept. 22; Gaz. vol. 206; p. 887.
- Shoulder-support for personal wear. F. W. Ersfeld. No. 1,112,201; Sept. 29; Gaz. vol. 206; p. 1333.
- Shovel: See Cultivator-shovel; Mechanical shovel; Power-shovel; Screen-shovel; Screening-shovel; Steam-shovel; Tunnel-shovel.
- Shovel. S. E. Burchell. No. 1,107,583; Aug. 18; Gaz. vol. 205; p. 792.
- Shovel. J. S. Surbaugh. No. 1,085,642; Feb. 3; Gaz. vol. 199; p. 22.
- Shovel. H. K. Wood. No. 1,099,958; June 16; Gaz. vol. 203; p. 624.
- Shovel and hoe, Combination. O. Sandberg. No. 1,109,469; Sept. 1; Gaz. vol. 206; p. 216.
- Shovel and hoe, Combined. R. R. Clark. No. 1,083,920; Jan. 13; Gaz. vol. 198; p. 246.
- Shovel and spade attachment. A. E. James. No. 1,109,758; Sept. 8; Gaz. vol. 206; p. 359.
- Shovel attachment. J. C. Gregory. No. 1,097,313; May 19; Gaz. vol. 202; p. 814.
- Shovel attachment. W. T. Hunt. No. 1,119,605; Dec. 1; Gaz. vol. 209; p. 243.
- Shovel, spade, and scoop. J. S. Surbaugh. No. 1,083,952; Jan. 13; Gaz. vol. 198; p. 258.
- Shoveling or mucking machine. M. T. Hoster. No. 1,100,241; June 16; Gaz. vol. 203; p. 722.
- Show-case. A. Brymer. No. 1,093,169; Apr. 14; Gaz. vol. 201; p. 395.
- Show-case. E. Carpenter. No. 1,094,120; Apr. 21; Gaz. vol. 201; p. 753.
- Show-case. F. Gurley. No. 1,104,297; July 21; Gaz. vol. 204; p. 807.
- Show-case. A. Vanderveld. No. 1,103,230; July 14; Gaz. vol. 204; p. 399.
- Show-case. J. M. Waddell. No. 1,112,500; Oct. 6; Gaz. vol. 207; p. 30.
- Show-case construction. M. A. Skall. No. 1,089,593; Mar. 10; Gaz. vol. 200; p. 363.
- Show-case corner. D. C. Morris. No. 1,107,694; Aug. 18; Gaz. vol. 205; p. 832.
- Show-case door. F. T. Barton and O. Heuson. No. 1,094,695; Apr. 28; Gaz. vol. 201; p. 1011.
- Show-case door. M. Kump. No. 1,091,670; Mar. 31; Gaz. vol. 200; p. 1190.
- Show-case, Revolving-rack. L. W. Welch. No. 1,101,600; June 30; Gaz. vol. 203; p. 1297.
- Show-case, Revolving-rack. L. W. Welch. No. 1,104,156; July 21; Gaz. vol. 204; p. 758.
- Show-cases, Collar-supporting device for. E. H. Betts. No. 1,120,122; Dec. 8; Gaz. vol. 209; p. 456.
- Show-cases, Glass-locking device for. E. Morris. No. 1,086,392; Feb. 10; Gaz. vol. 199; p. 328.
- Show-cases, Metallic base for. H. J. Hunt. No. 1,098,903; June 2; Gaz. vol. 203; p. 186.
- Show-cases, Metallic shelf for. H. J. Hunt. No. 1,100,306; June 16; Gaz. vol. 203; p. 747.
- Show-cases, Tray-lifting device for. O. I. Tawney. No. 1,098,994; June 2; Gaz. vol. 203; p. 215.
- Show-jar. D. Bloom. No. 1,096,992; May 19; Gaz. vol. 202; p. 699.
- Show or display case dividers, Interchangeable. E. K. Chaney and W. Brown. No. 1,116,996; Nov. 10; Gaz. vol. 208; p. 572.
- Shower-bath. A. S. Harvey and J. W. Brill. No. 1,111,692; Sept. 22; Gaz. vol. 206; p. 1122.
- Shower-bath. H. W. A. Lehnert. No. 1,116,897; Nov. 10; Gaz. vol. 208; p. 538.
- Shower-bath. E. C. Oswald. No. 1,083,505; Jan. 6; Gaz. vol. 198; p. 82.
- Shower-bath, Disappearing. R. Freeman. No. 1,095,837; May 5; Gaz. vol. 202; p. 227.
- Shower-head. A. S. Newton. No. 1,105,576; July 28; Gaz. vol. 204; p. 1303.
- Shower-head. A. S. Newton. No. 1,112,927; Oct. 6; Gaz. vol. 207; p. 180.
- Shrapnel-guide. R. Machenbach. No. 1,101,136; June 23; Gaz. vol. 203; p. 1086.
- Shredding-machine. S. T. Stuver. No. 1,114,411; Oct. 20; Gaz. vol. 207; p. 783.
- Shroud or other garment. C. G. Howe. No. 1,092,265; Apr. 7; Gaz. vol. 201; p. 48.
- Shuffle-board. W. Bush. No. 1,099,690; June 9; Gaz. vol. 203; p. 498.
- Shuffle-board table. H. F. Beatty. No. 1,099,419; June 9; Gaz. vol. 203; p. 404.
- Shut-off, Adjustable. S. Pykett. No. 1,111,805; Sept. 29; Gaz. vol. 206; p. 1199.
- Shut-off, Automatic. J. E. Baldwin. No. 1,093,238; Apr. 14; Gaz. vol. 201; p. 417.
- Shut-off, Float-operated. J. King. No. 1,085,689; Feb. 3; Gaz. vol. 199; p. 39.
- Shutter-fastener. J. M. De Witt. No. 1,095,826; May 5; Gaz. vol. 202; p. 223.
- Shutter for projecting apparatus. A. G. Donnelly. No. 1,098,370; June 2; Gaz. vol. 203; p. 4.
- Shutter-holder. A. D. Sorensen. No. 1,085,064; Jan. 20; Gaz. vol. 198; p. 660.
- Shutter-mounting. G. Powers. No. 1,117,903; Nov. 17; Gaz. vol. 208; p. 929.
- Shutter-operating device. J. T. Holtfoth. No. 1,104,118; July 21; Gaz. vol. 204; p. 745.
- Shutter-operating mechanism. G. W. Lancaster. No. 1,087,786; Feb. 17; Gaz. vol. 199; p. 864.
- Shutter operator and fastener, Window-. J. Jacobsen. No. 1,116,286; Nov. 3; Gaz. vol. 208; p. 279.
- Shutter operator and latch. A. Appling. No. 1,123,064; Dec. 29; Gaz. vol. 209; p. 1608.
- Shutter, Outside rolling window-. D. Higgins. No. 1,107,069; Aug. 11; Gaz. vol. 205; p. 559.
- Shutters and similar swinging closures, Inside operator for. L. B. Smyser. No. 1,095,602; May 5; Gaz. vol. 202; p. 147.
- Shuttle. J. B. and E. Daudelin. No. 1,117,002; Nov. 10; Gaz. vol. 208; p. 575.
- Shuttle. W. G. Eaton. No. 1,102,890; July 7; Gaz. vol. 204; p. 232.
- Shuttle. A. C. Hough. No. 1,112,799; Oct. 6; Gaz. vol. 207; p. 136.
- Shuttle. J. and W. Middleton. No. 1,121,523; Dec. 15; Gaz. vol. 209; p. 995.
- Shuttle. F. Renzo. No. 1,089,670; Mar. 10; Gaz. vol. 200; p. 390.
- Shuttle. V. Royle. No. 1,109,250; Sept. 1; Gaz. vol. 206; p. 140.
- Shuttle. J. C. Sergeson. No. 1,090,572; Mar. 17; Gaz. vol. 200; p. 744.

Alphabetical list of inventions—Continued.

- Shuttle A. B. Weissenborn. No. 1,119,132; Dec. 1; Gaz. vol. 209; p. 81.
- Shuttle-driving mechanism. H. A. Ballard. No. 1,093,239; Apr. 14; Gaz. vol. 201; p. 418.
- Shuttle embroidery-machine. R. Zahn. No. 1,119,561; Dec. 1; Gaz. vol. 209; p. 229.
- Shuttle-eye. J. Faltus. No. 1,086,446; Feb. 10; Gaz. vol. 199; p. 348.
- Shuttle, Hand-threading. N. Demers. No. 1,104,416; July 21; Gaz. vol. 204; p. 848.
- Shuttle, Hand-threading. S. A. Dudley. No. 1,122,880; Dec. 29; Gaz. vol. 209; p. 1544.
- Shuttle mechanism. A. C. Hough. No. 1,103,586; July 14; Gaz. vol. 204; p. 521.
- Shuttle-motion. G. G. Grower. No. 1,083,827; Jan. 6; Gaz. vol. 198; p. 186.
- Shuttle-operating mechanism, Electromagnetic. E. L. De Long. No. 1,086,444; Feb. 10; Gaz. vol. 199; p. 347.
- Shuttle-replenishing devices, Protecting means for. S. Toyoda. No. 1,093,088; Apr. 14; Gaz. vol. 201; p. 366.
- Shuttle, Self-threading. A. Guilmette. No. 1,099,647; June 9; Gaz. vol. 203; p. 481.
- Shuttle, Self-threading. A. Meunier. No. 1,093,713; Apr. 21; Gaz. vol. 201; p. 619.
- Shuttle tension device. E. Burgess. No. 1,111,435; Sept. 22; Gaz. vol. 206; p. 1031.
- Shuttle tension device. A. F. Petithory. No. 1,113,045; Oct. 6; Gaz. vol. 207; p. 219.
- Shuttle-tensioning device. D. H. Clark. No. 1,112,675; Oct. 6; Gaz. vol. 207; p. 95.
- Shuttle-threader. J. Dufresne. No. 1,093,837; Apr. 21; Gaz. vol. 201; p. 660.
- Shuttle-threading device. J. E. Masters. No. 1,117,073; Nov. 10; Gaz. vol. 208; p. 598.
- Shuttle-threading means. G. B. Hayes. No. 1,103,414; July 14; Gaz. vol. 204; p. 460.
- Shuttle, Weft-moistening. E. Prein. No. 1,101,712; June 30; Gaz. vol. 203; p. 1333.
- Shuttles, Device to facilitate threading. J. D. Whyte. No. 1,105,733; Aug. 4; Gaz. vol. 205; p. 52.
- Shuttles, Friction device for. I. Snow. No. 1,099,624; June 9; Gaz. vol. 203; p. 473.
- Sickle apparatus. A. Stearns. No. 1,112,231; Sept. 29; Gaz. vol. 206; p. 1344.
- Sickle-bar holder. J. Watkins. No. 1,108,039; Aug. 18; Gaz. vol. 205; p. 951.
- Sickle guard or tooth, Binder-. D. F. Barnes. No. 1,104,240; July 21; Gaz. vol. 204; p. 787.
- Sickle-guard-point shield. J. W. Calta. No. 1,083,662; Jan. 6; Gaz. vol. 198; p. 134.
- Side-delivery rotary rake. J. Dain. No. 1,120,288; Dec. 8; Gaz. vol. 209; p. 515.
- Side frame. G. G. Floyd. No. 1,100,127; June 16; Gaz. vol. 203; p. 684.
- Side-frame construction. O. S. Pulliam and J. Allison. No. 1,117,518; Nov. 17; Gaz. vol. 208; p. 795.
- Sidestick and galley lock. E. E. Wilson. No. 1,123,154; Dec. 29; Gaz. vol. 209; p. 1640.
- Sidewalk. C. C. McDonald. No. 1,089,380; Mar. 3; Gaz. vol. 200; p. 239.
- Sidewalk air and light grating. E. Berson. No. 1,113,868; Oct. 13; Gaz. vol. 207; p. 552.
- Sidewalk, &c., Metal-frame and concrete. H. F. Bayley. No. 1,103,472; July 14; Gaz. vol. 204; p. 480.
- Sidewalk, Traveling. C. D. Seeberger. No. 1,096,960; May 19; Gaz. vol. 202; p. 689.
- Siding-gage. E. H. Snyder. No. 1,097,146; May 19; Gaz. vol. 202; p. 755.
- Sieve. M. Harrel. No. 1,086,596; Feb. 10; Gaz. vol. 199; p. 401.
- Sieve apparatus, Shaking-. C. D. Van Raalten. No. 1,093,579; Apr. 14; Gaz. vol. 201; p. 527.
- Sieve-driving mechanism. K. Rojahn. No. 1,116,124; Nov. 3; Gaz. vol. 208; p. 226.
- Sieve, Reversible sample-separating. C. R. Anderson. No. 1,083,423; Jan. 6; Gaz. vol. 198; p. 56.
- Sieves, Motion-imparting mechanism for bolter-. J. W. Barrett. No. 1,083,652; Jan. 6; Gaz. vol. 198; p. 130.
- Sieving device, Ash-. J. F. Lutz. No. 1,096,044; May 12; Gaz. vol. 202; p. 332.
- Sifter. H. W. Case. No. 1,087,727; Feb. 17; Gaz. vol. 199; p. 846.
- Sifter. R. W. Foster. No. 1,118,927; Dec. 1; Gaz. vol. 209; p. 8.
- Sifter. O. F. Mattingly. No. 1,089,777; Mar. 10; Gaz. vol. 200; p. 426.
- Sifter. J. Prokop. No. 1,100,149; June 16; Gaz. vol. 203; p. 691.
- Sifter and bolter. B. E. White. No. 1,099,833; June 9; Gaz. vol. 203; p. 543.
- Sifter and mixer, Combined. S. Toda. No. 1,121,311; Dec. 15; Gaz. vol. 209; p. 923.
- Sifter, Ash-. P. C. Brenner. No. 1,109,395; Sept. 1; Gaz. vol. 206; p. 192.
- Sifter, Ash-. G. C. Burrowes. No. 1,123,091; Dec. 29; Gaz. vol. 209; p. 1617.
- Sifter, Ash-. P. Connor. No. 1,090,454; Mar. 17; Gaz. vol. 200; p. 704.
- Sifter, Ash-. A. R. Kerr. No. 1,085,434; Jan. 27; Gaz. vol. 198; p. 824.
- Sifter, Ash-. G. Schindler. No. 1,099,824; June 9; Gaz. vol. 203; p. 541.
- Sifter, Ash-. J. Singer. No. 1,095,037; Apr. 28; Gaz. vol. 201; p. 1129.
- Sifter, Ash-. A. F. Staples. No. 1,108,270; Aug. 25; Gaz. vol. 205; p. 1079.
- Sifter, Ash-. G. Verber. No. 1,101,977; June 30; Gaz. vol. 203; p. 1427.
- Sifter control and driving mechanism. A. C. Brantingham. No. 1,095,797; May 5; Gaz. vol. 202; p. 213.
- Sifter-driving mechanism. A. C. Brantingham. No. 1,104,870; July 28; Gaz. vol. 204; p. 1056.
- Sifter, Dustless ash-. J. Bush. No. 1,085,539; Jan. 27; Gaz. vol. 198; p. 858.
- Sifter, Dustless ash-. W. Teg. No. 1,117,106; Nov. 10; Gaz. vol. 208; p. 609.
- Sifter, Flour-. H. J. Ostdiek and J. A. Ekkelund. No. 1,115,009; Oct. 27; Gaz. vol. 207; p. 1046.
- Sifter, Flour-. J. C. Root. No. 1,085,824; Feb. 3; Gaz. vol. 199; p. 88.
- Sifter, Flour-. M. Schlesinger-Thury. No. 1,103,328; July 14; Gaz. vol. 204; p. 432.
- Sifter, Sand-. J. C. Everson. No. 1,084,323; Jan. 13; Gaz. vol. 198; p. 384.
- Sifter support, Gyratory-. R. Koerner. No. 1,098,042; May 26; Gaz. vol. 202; p. 1113.
- Sifting apparatus. W. Lindsay. No. 1,120,950; Dec. 15; Gaz. vol. 209; p. 798.
- Sifting device. C. S. McCord. No. 1,087,173; Feb. 17; Gaz. vol. 199; p. 649.
- Sifting-machines and the like, Conveying device for. J. Brown. No. 1,100,213; June 16; Gaz. vol. 203; p. 714.
- Sifting testing-machine. W. J. Bell. No. 1,120,012; Dec. 8; Gaz. vol. 209; p. 418.
- Sifting-top can. E. P. Pullen. No. 1,118,049; Nov. 24; Gaz. vol. 208; p. 1021.
- Sight-feed device. J. T. Pedersen. No. 1,096,561; May 12; Gaz. vol. 202; p. 508.
- Sight-feed lubricator. J. F. McCanna. No. 1,095,654; May 5; Gaz. vol. 202; p. 164.
- Sight-illuminator. E. Schwarz. No. 1,084,905; Jan. 20; Gaz. vol. 198; p. 607.
- Sight-support. W. Cobourn. No. 1,102,601; June 30; Gaz. vol. 203; p. 1437.
- Sight-testing apparatus. C. S. Gowlland. No. 1,119,273; Dec. 1; Gaz. vol. 209; p. 128.
- Sighting device. R. Schürmann. No. 1,089,973; Mar. 10; Gaz. vol. 200; p. 493.
- Sign. E. Bambeck and W. A. Van Male. No. 1,100,415; June 16; Gaz. vol. 203; p. 784.
- Sign. J. K. Burleigh. No. 1,086,021; Feb. 3; Gaz. vol. 199; p. 158.
- Sign. J. F. Burnam. No. 1,107,585; Aug. 18; Gaz. vol. 205; p. 792.
- Sign. C. Elliot. No. 1,110,910; Sept. 15; Gaz. vol. 206; p. 809.
- Sign. W. G. Foard. No. 1,085,200; Jan. 27; Gaz. vol. 198; p. 743.
- Sign. L. Gottschall. No. 1,099,035; June 2; Gaz. vol. 203; p. 228.
- Sign. J. A. Hanggi. No. 1,105,653; Aug. 4; Gaz. vol. 205; p. 24.
- Sign. J. J. Jones. No. 1,118,866; Nov. 24; Gaz. vol. 208; p. 1303.
- Sign. A. A. Schramm. No. 1,095,739; May 5; Gaz. vol. 202; p. 193.
- Sign. P. Witz. No. 1,120,876; Dec. 15; Gaz. vol. 209; p. 772.
- Sign, Advertising-. G. Adams. No. 1,096,088; May 12; Gaz. vol. 202; p. 348.
- Sign, Advertising-. B. S. McFarlan. No. 1,102,160; June 30; Gaz. vol. 203; p. 1492.
- Sign, Advertising-. W. D. Smith. No. 1,116,942; Nov. 10; Gaz. vol. 208; p. 553.
- Sign, Advertising-. G. H. Webb. No. 1,096,580; May 12; Gaz. vol. 202; p. 514.
- Sign-board, Metal. G. L. Palmer. No. 1,104,921; July 28; Gaz. vol. 204; p. 1073.
- Sign, Changeable. G. W. Cox and R. Shields. No. 1,120,285; Dec. 8; Gaz. vol. 209; p. 514.
- Sign, Changeable. S. Evans. No. 1,117,360; Nov. 17; Gaz. vol. 208; p. 739.
- Sign, Changeable illuminated. C. P. Murdock. No. 1,103,812; July 14; Gaz. vol. 204; p. 600.
- Sign, Changeable prismatic. J. H. La Pearl. No. 1,112,921; Oct. 6; Gaz. vol. 207; p. 177.
- Sign, Display-. F. V. Walker. No. 1,107,125; Aug. 11; Gaz. vol. 205; p. 578.
- Sign, Electric. W. W. Arnold. No. 1,098,211; May 26; Gaz. vol. 202; p. 1170.
- Sign, Electric. H. Deschere. No. 1,091,916; Mar. 31; Gaz. vol. 200; p. 1277.
- Sign, Electric. L. H. and L. M. Jones. No. 1,103,294; July 14; Gaz. vol. 204; p. 420.
- Sign, Electric. G. T. Kelly. No. 1,090,989; Mar. 24; Gaz. vol. 200; p. 915.
- Sign, Electric. A. C. Meyer. No. 1,094,033; Apr. 21; Gaz. vol. 201; p. 741.
- Sign, Electric. M. Norden. No. 1,102,788; July 7; Gaz. vol. 204; p. 197.

Alphabetical list of inventions—Continued.

- Sign, Electric. G. F. Peglow. No. 1,117,435; Nov. 17; Gaz. vol. 208; p. 765.
- Sign, Electric. W. K. Queen and T. F. Pickett. No. 1,120,971; Dec. 15; Gaz. vol. 209; p. 804.
- Sign, Electric. R. T. Savage. No. 1,098,842; June 2; Gaz. vol. 203; p. 164.
- Sign, Electric window-. W. J. Murphey and O. R. Burgess. No. 1,096,448; May 12; Gaz. vol. 202; p. 470.
- Sign, Electrical. T. S. Hastings. No. 1,118,765; Nov. 24; Gaz. vol. 208; p. 1269.
- Sign-flashing mechanism. W. S. Ryan. No. 1,100,917; June 23; Gaz. vol. 203; p. 1010.
- Sign-hanger. E. W. Storey. No. 1,086,238; Feb. 3; Gaz. vol. 199; p. 232.
- Sign-holder. S. A. Melvin. No. 1,102,425; July 7; Gaz. vol. 204; p. 72.
- Sign, Illuminated. J. A. Bergmann. No. 1,088,869; Mar. 3; Gaz. vol. 200; p. 67.
- Sign, Illuminated. J. L. Dawes. No. 1,087,574; Feb. 17; Gaz. vol. 199; p. 791.
- Sign, Illuminated. J. L. Dawes. No. 1,106,135; Aug. 4; Gaz. vol. 205; p. 193.
- Sign, Illuminated. O. Grahmann. No. 1,083,362; Jan. 6; Gaz. vol. 198; p. 34.
- Sign, Illuminated changeable. L. H. Jones. No. 1,114,267; Oct. 20; Gaz. vol. 207; p. 732.
- Sign, Illuminated-lens. W. M. Scarborough. No. 1,104,008; July 21; Gaz. vol. 204; p. 707.
- Sign, Illuminating-. A. E. Schneider. No. 1,122,164; Dec. 22; Gaz. vol. 209; p. 1255.
- Sign holder, Street-. S. J. Lord. No. 1,117,509; Nov. 17; Gaz. vol. 208; p. 792.
- Sign, Lens-. L. J. Meyers. No. 1,116,831; Nov. 10; Gaz. vol. 208; p. 515.
- Sign-letter holder. G. H. Reith and H. F. Anderson. No. 1,116,628; Nov. 10; Gaz. vol. 208; p. 444.
- Sign-letter, Illuminating. M. W. Askin. No. 1,107,875; Aug. 18; Gaz. vol. 205; p. 894.
- Sign-letters and ornaments for glass, Composite blank and method for gold and silver leaf. J. A. Dainoff. No. 1,116,803; Nov. 10; Gaz. vol. 208; p. 505.
- Sign or device, Advertising. H. G. De Hamel and G. Makgill. No. 1,090,707; Mar. 17; Gaz. vol. 200; p. 788.
- Sign or display-card. F. V. Walker. No. 1,089,996; Mar. 10; Gaz. vol. 200; p. 501.
- Sign-rack. J. E. Gasson. No. 1,121,491; Dec. 15; Gaz. vol. 209; p. 985.
- Sign, Rotary wind-actuated sheet-metal. C. Stollberg. No. 1,088,378; Feb. 24; Gaz. vol. 199; p. 1114.
- Sign, Rotating. J. S. Kendall. No. 1,106,148; Aug. 4; Gaz. vol. 205; p. 197.
- Sign-support. E. A. Havens. No. 1,109,921; Sept. 8; Gaz. vol. 206; p. 418.
- Sign, Swinging. M. Mayer. No. 1,089,143; Mar. 3; Gaz. vol. 200; p. 163.
- Sign system, Electric. H. L. Burns and S. B. Williams, Jr. No. 1,116,007; Nov. 3; Gaz. vol. 208; p. 185.
- Signs and notices, Supporting member for. J. Draycott. No. 1,111,142; Sept. 22; Gaz. vol. 206; p. 932.
- Signs, Device for forming display-. E. E. Bellamy. No. 1,106,340; Aug. 4; Gaz. vol. 205; p. 260.
- Signal: See Automobile-signal; Automobile lamp-signal; Automobile rear signal; Carrier-pigeon signal; Classification-signal; Danger-signal; Direction-signal; Direction-indicating signal; Electric signal; Elevator signal; Engine-room signal; Engineer's signal; Guide-signal; Mail-box signal; Railway-signal; Railway automatic signal; Railway-crossing signal; Railway danger-signal; Railway electric signal; Rain-signal; Switch-signal; Telephone-signal; Tradesman's signal; Train-signal; Vehicle-signal; Vehicle rear signal; Vehicle rear-end signal; Way-signal; Weather-signal.
- Signal. F. W. Harrington. No. 1,115,668; Nov. 3; Gaz. vol. 208; p. 69.
- Signal. J. Kertész. No. 1,103,052; July 14; Gaz. vol. 204; p. 336.
- Signal. A. L. Maillard and L. H. Crook. No. 1,109,684; Sept. 8; Gaz. vol. 206; p. 333.
- Signal. C. O. Redman. No. 1,095,673; May 5; Gaz. vol. 202; p. 171.
- Signal. O. W. Sammt. No. 1,108,398; Aug. 25; Gaz. vol. 205; p. 1124.
- Signal. L. W. Yaggy. No. 1,086,114; Feb. 3; Gaz. vol. 199; p. 193.
- Signal. S. L. Young. No. 1,083,978; Jan. 13; Gaz. vol. 198; p. 267.
- Signal-alarm. F. Winter. No. 1,099,480; June 9; Gaz. vol. 203; p. 424.
- Signal apparatus. S. Borland. No. 1,108,860; Aug. 25; Gaz. vol. 205; p. 1284.
- Signal apparatus. V. J. Crettol. No. 1,095,084; Apr. 28; Gaz. vol. 201; p. 1144.
- Signal apparatus. C. G. Kamiske. No. 1,091,578; Mar. 31; Gaz. vol. 200; p. 1158.
- Signaling apparatus. C. W. Kinney. No. 1,122,766; Dec. 29; Gaz. vol. 209; p. 1502.
- Signal apparatus. J. D. Nelson. No. 1,112,645; Oct. 6; Gaz. vol. 207; p. 84.
- Signal apparatus. H. F. Newbury. No. 1,100,767; June 23; Gaz. vol. 203; p. 956.
- Signal apparatus. F. H. Pettit. No. 1,105,099; July 28; Gaz. vol. 204; p. 1134.
- Signal apparatus. F. W. Wood. No. 1,111,345; Sept. 22; Gaz. vol. 206; p. 1002.
- Signal apparatus, Electrical. W. Kepler. No. 1,085,433; Jan. 27; Gaz. vol. 198; p. 824.
- Signal apparatus for mines. A. J. Gurney. No. 1,089,763; Mar. 10; Gaz. vol. 200; p. 421.
- Signal-block. C. Mathis. No. 1,087,030; Feb. 10; Gaz. vol. 199; p. 548.
- Signal-circuits, Contact-wheel for. W. O. Powers, Jr. No. 1,111,033; Sept. 22; Gaz. vol. 206; p. 894.
- Signal device. G. L. Barrett. No. 1,096,215; May 12; Gaz. vol. 202; p. 390.
- Signal device. D. G. Knittel. No. 1,092,918; Apr. 14; Gaz. vol. 201; p. 308.
- Signal device. J. H. McCarthy. No. 1,092,732; Apr. 7; Gaz. vol. 201; p. 208.
- Signal device. G. J. Seiss. No. 1,112,566; Oct. 6; Gaz. vol. 207; p. 55.
- Signal device, Auxiliary. R. Ireland. No. 1,107,794; Aug. 18; Gaz. vol. 205; p. 867.
- Signal for submarine vessels. F. A. Lovegrove. No. 1,113,799; Oct. 13; Gaz. vol. 207; p. 527.
- Signal-horn, Diaphragm. H. H. Boyce. No. 1,103,933; July 21; Gaz. vol. 204; p. 683.
- Signal-lever, Divided semi-automatic. W. K. Howe. No. 1,103,206; July 14; Gaz. vol. 204; p. 392.
- Signal mechanism, Electric. W. K. Howe. No. 1,092,266; Apr. 7; Gaz. vol. 201; p. 49.
- Signal mechanism, Inherent-power return. W. K. Howe. No. 1,114,766; Oct. 27; Gaz. vol. 207; p. 960.
- Signal mechanism, Semi-automatic. R. G. Balcaen. No. 1,100,817; June 23; Gaz. vol. 203; p. 973.
- Signal-operator, Automatic. E. R. Gill. (Reissue.) No. 13,800; Sept. 15; Gaz. vol. 206; p. 844.
- Signal or alarm device. W. M. Waite and J. H. Wheelock. No. 1,098,772; June 2; Gaz. vol. 203; p. 141.
- Signal-receiver. C. A. Bals. No. 1,116,537; Nov. 10; Gaz. vol. 208; p. 408.
- Signal-receiving apparatus, Submarine. C. Berger. No. 1,101,830; June 30; Gaz. vol. 203; p. 1375.
- Signal-receiving device. C. S. Rhoads, Jr. No. 1,105,837; Aug. 4; Gaz. vol. 205; p. 88.
- Signal-receiving device, Substation. H. O. Rugh. No. 1,106,680; Aug. 11; Gaz. vol. 205; p. 426.
- Signal-receiving instrument, Submarine. C. Berger. No. 1,111,351; Sept. 22; Gaz. vol. 206; p. 1004.
- Signal-sounder. W. Baumgartner. No. 1,113,400; Oct. 13; Gaz. vol. 207; p. 388.
- Signal system. E. F. Bliss. No. 1,102,861; July 7; Gaz. vol. 204; p. 223.
- Signal system. L. A. Hawkins. No. 1,102,916; July 7; Gaz. vol. 204; p. 241.
- Signal system. E. E. Mullvain. No. 1,107,697; Aug. 18; Gaz. vol. 205; p. 832.
- Signal system. G. W. Phelps. No. 1,093,801; Apr. 21; Gaz. vol. 201; p. 646.
- Signal system. J. J. Ruddick. No. 1,112,385; Sept. 29; Gaz. vol. 206; p. 1398.
- Signal system. S. C. Venners. No. 1,115,349; Oct. 27; Gaz. vol. 207; p. 1163.
- Signal system. F. H. Webster. No. 1,109,381; Sept. 1; Gaz. vol. 206; p. 187.
- Signal system, Electric. A. H. Caven. No. 1,111,213; Sept. 22; Gaz. vol. 206; p. 956.
- Signal system, Induction automatic stop and cab. C. L. Bopp. No. 1,114,430; Oct. 20; Gaz. vol. 207; p. 790.
- Signal system, Normal-danger-. L. A. Hawkins. No. 1,091,134; Mar. 24; Gaz. vol. 200; p. 967.
- Signal system, Normal-danger-. L. A. Hawkins and E. F. Bliss. No. 1,086,706; Feb. 10; Gaz. vol. 199; p. 438.
- Signal system, Selective. W. R. Tomlin. No. 1,114,939; Oct. 27; Gaz. vol. 207; p. 1022.
- Signal-transmitter. D. G. Knittel and W. J. Davis. No. 1,092,919; Apr. 14; Gaz. vol. 201; p. 308.
- Signal-transmitter, Selective. M. Levison. No. 1,085,142; Jan. 27; Gaz. vol. 198; p. 723.
- Signals, &c., Actuating mechanism for. A. Weinberg. No. 1,102,619; July 7; Gaz. vol. 204; p. 140.
- Signals, Apparatus for producing electric. F. Rieber. No. 1,093,292; Apr. 14; Gaz. vol. 201; p. 436.
- Signals, Apparatus for receiving or relaying electric. G. W. Pierce. No. 1,112,655; Oct. 6; Gaz. vol. 207; p. 87.
- Signals, Automatic train control for cab-. B. F. Wooding. No. 1,115,364; Oct. 27; Gaz. vol. 207; p. 1169.
- Signals by light, Automatic control of. W. A. Moffett and R. P. Perkins. No. 1,087,966; Feb. 24; Gaz. vol. 199; p. 973.
- Signals, Electrical apparatus for transmitting and receiving. A. T. Dawson and G. T. Buckham. No. 1,098,617; June 2; Gaz. vol. 203; p. 90.
- Signals, Membranous or diaphragm transmitter for submarine sound-. H. Hecht. No. 1,097,859; May 26; Gaz. vol. 202; p. 1046.
- Signaling and controlling system, Train. J. F. Webb, Jr. No. 1,114,078; Oct. 20; Gaz. vol. 207; p. 663.
- Signaling and telephone system, Combined. M. J. Carney. No. 1,099,338; June 9; Gaz. vol. 203; p. 376.

Alphabetical list of inventions—Continued.

- Signaling apparatus. A. Andrén. No. 1,109,950; Sept. 8; Gaz. vol. 206; p. 428.
- Signaling apparatus. S. Danenhower. No. 1,106,788; Aug. 11; Gaz. vol. 205; p. 464.
- Signaling apparatus. C. Lean. No. 1,094,368; Apr. 21; Gaz. vol. 201; p. 833.
- Signaling apparatus. E. Lissauer. No. 1,091,938; Mar. 31; Gaz. vol. 200; p. 1284.
- Signaling apparatus. E. D. Lopez. No. 1,092,063; Mar. 31; Gaz. vol. 200; p. 1324.
- Signaling apparatus, Alarm. L. A. Meyers and O. H. Tracy. No. 1,113,460; Oct. 13; Gaz. vol. 207; p. 409.
- Signaling apparatus, Electric. R. A. Fessenden. No. 1,101,914; June 30; Gaz. vol. 203; p. 1404.
- Signaling apparatus for marine vessels. J. W. Flagg. No. 1,117,176; Nov. 17; Gaz. vol. 208; p. 673.
- Signaling apparatus, Subaqueous audible. S. M. Davison. No. 1,121,986; Dec. 22; Gaz. vol. 209; p. 1196.
- Signaling apparatus, Submarine. C. Berger. No. 1,117,766; Nov. 17; Gaz. vol. 208; p. 884.
- Signaling apparatus, Submarine. J. Schiessler. No. 1,099,998; June 16; Gaz. vol. 203; p. 639.
- Signaling apparatus, Substation. H. O. Rugh. No. 1,105,842; Aug. 4; Gaz. vol. 205; p. 90.
- Signaling by sound and other longitudinal elastic impulses. R. A. Fessenden. No. 1,108,895; Sept. 1; Gaz. vol. 206; p. 11.
- Signaling-circuit for train-despatching systems. J. C. Field. No. 1,101,018; June 23; Gaz. vol. 203; p. 1045.
- Signaling device. G. L. Barrett. No. 1,103,860; July 14; Gaz. vol. 204; p. 616.
- Signaling device. W. A. Bischoff. No. 1,113,187; Oct. 13; Gaz. vol. 207; p. 310.
- Signaling device. S. Chase. No. 1,091,038; Mar. 24; Gaz. vol. 200; p. 934.
- Signaling device. C. W. Guill. No. 1,112,286; Sept. 29; Gaz. vol. 206; p. 1363.
- Signaling device. C. Henschel. No. 1,090,816; Mar. 17; Gaz. vol. 200; p. 824.
- Signaling device. S. L. Martin and W. A. Smith. No. 1,085,989; Feb. 3; Gaz. vol. 199; p. 147.
- Signaling device. D. G. McLean. No. 1,113,673; Oct. 13; Gaz. vol. 207; p. 482.
- Signaling device. M. S. Morse. No. 1,094,584; Apr. 28; Gaz. vol. 201; p. 969.
- Signaling device. E. Rogers. No. 1,106,973; Aug. 11; Gaz. vol. 205; p. 529.
- Signaling device. B. B. Simons. No. 1,114,545; Oct. 20; Gaz. vol. 207; p. 831.
- Signaling device. J. H. Simpson. No. 1,092,229; Apr. 7; Gaz. vol. 201; p. 36.
- Signaling device, Automatic. C. L. Bopp. No. 1,114,432; Oct. 20; Gaz. vol. 207; p. 791.
- Signaling device, Automatic. P. C. Johnson. No. 1,105,793; Aug. 4; Gaz. vol. 205; p. 72.
- Signaling device, Electric. A. S. Huckins. No. 1,120,499; Dec. 8; Gaz. vol. 209; p. 590.
- Signaling device for racing-coasters. L. A. Thompson. No. 1,102,821; July 7; Gaz. vol. 204; p. 210.
- Signaling device, Selective. J. P. C. Boswau. No. 1,101,679; June 30; Gaz. vol. 203; p. 1323.
- Signaling device, Selective. M. F. Geer and R. C. Leake. No. 1,118,120; Nov. 24; Gaz. vol. 208; p. 1046.
- Signaling for grade-crossings, System of car-. W. N. Johnson. No. 1,113,013; Oct. 6; Gaz. vol. 207; p. 209.
- Signaling from one vessel to others, Apparatus for. W. M. Hunt and F. W. Wood. No. 1,117,576; Nov. 17; Gaz. vol. 208; p. 815.
- Signaling means, Selective. J. McFell. No. 1,095,655; May 5; Gaz. vol. 202; p. 164.
- Signaling mechanism. H. C. Crumrine. No. 1,106,441; Aug. 11; Gaz. vol. 205; p. 339.
- Signaling mechanism, Electric. O. D. Plummer, G. H. Hausser, and E. A. Warner. No. 1,105,829; Aug. 4; Gaz. vol. 205; p. 85.
- Signaling mechanism, Electrical block-. W. J. Cook and M. W. Breuer. No. 1,111,296; Sept. 22; Gaz. vol. 206; p. 985.
- Signaling on railways, Transmitting apparatus for use in electric. G. H. Brown. No. 1,111,733; Sept. 29; Gaz. vol. 206; p. 1169.
- Signaling, Station-box for watchmen and fire-alarm. F. Williams. No. 1,119,738; Dec. 1; Gaz. vol. 209; p. 237.
- Signaling system. F. B. Adam and L. H. Arens. No. 1,091,465; Mar. 24; Gaz. vol. 200; p. 1074.
- Signaling system. C. E. Beach. No. 1,084,059; Jan. 13; Gaz. vol. 198; p. 295.
- Signaling system. C. E. Beach. No. 1,117,633; Nov. 17; Gaz. vol. 208; p. 835.
- Signaling system. C. E. Beach. No. 1,120,995; Dec. 15; Gaz. vol. 209; p. 812.
- Signaling system. C. E. Beach and H. W. Doughty. No. 1,084,780; Jan. 20; Gaz. vol. 198; p. 566.
- Signaling system. L. De Forest. No. 1,123,118; Dec. 29; Gaz. vol. 209; p. 1626.
- Signaling system. F. A. Emery and A. A. Adams. No. 1,114,597; Oct. 20; Gaz. vol. 207; p. 847.
- Signaling system. R. H. Gaylord and G. B. Capps. No. 1,093,926; Apr. 21; Gaz. vol. 201; p. 689.
- Signaling system. E. R. Gill. (Reissue.) No. 13,795; Sept. 1; Gaz. vol. 206; p. 281.
- Signaling system. H. C. Goldrick. No. 1,117,832; Nov. 17; Gaz. vol. 208; p. 906.
- Signaling system. M. L. Johnson. No. 1,105,350; July 28; Gaz. vol. 204; p. 1224.
- Signaling system. M. E. Launbranch. No. 1,117,864; Nov. 17; Gaz. vol. 208; p. 917.
- Signaling system. M. Levison. No. 1,100,382; June 16; Gaz. vol. 203; p. 772.
- Signaling system. M. Levison. No. 1,108,998; Sept. 1; Gaz. vol. 206; p. 50.
- Signaling system. H. O. Rugh. No. 1,114,049; Oct. 20; Gaz. vol. 207; p. 653.
- Signaling system. C. Stephens. No. 1,105,860; Aug. 4; Gaz. vol. 205; p. 96.
- Signaling system and apparatus. C. E. Beach. No. 1,101,987; June 30; Gaz. vol. 203; p. 1431.
- Signaling system, Automatic electric block-. A. Conrad and W. G. Kelly. No. 1,123,100; Dec. 29; Gaz. vol. 209; p. 1620.
- Signaling system, Automatic trunk. F. R. McBerty. No. 1,117,511; Nov. 17; Gaz. vol. 208; p. 792.
- Signaling system, Electric. A. Bull. No. 1,110,479; Sept. 15; Gaz. vol. 206; p. 657.
- Signaling system, Electric. C. P. Nachod. No. 1,108,927; Sept. 1; Gaz. vol. 206; p. 23.
- Signaling system, Electric. J. D. Taylor. No. 1,088,306; Jan. 6; Gaz. vol. 198; p. 16.
- Signaling system, Electrical. E. A. Hummel. No. 1,097,636; May 26; Gaz. vol. 202; p. 967.
- Signaling system, Electrical. E. E. Kleinschmidt. No. 1,114,007; Oct. 20; Gaz. vol. 207; p. 638.
- Signaling system for mines and the like. G. T. Plumb. No. 1,102,951; July 7; Gaz. vol. 204; p. 252.
- Signaling system, Harmonic. H. G. Webster. No. 1,090,435; Mar. 17; Gaz. vol. 200; p. 697.
- Signaling system, Selective. E. R. Gill. No. 1,091,832; Mar. 31; Gaz. vol. 200; p. 1248.
- Signaling system, Selective. E. R. Gill. No. 1,111,792; Sept. 29; Gaz. vol. 206; p. 1194.
- Signaling system, Selective. R. N. Hill. No. 1,103,288; July 14; Gaz. vol. 204; p. 418.
- Signaling system, Selective. R. N. Hill. No. 1,103,583; July 14; Gaz. vol. 204; p. 520.
- Signaling system, Selective. O. T. Lademan. No. 1,120,207; Dec. 8; Gaz. vol. 209; p. 488.
- Signaling system, Selective. O. T. Lademan. No. 1,121,562; Dec. 15; Gaz. vol. 209; p. 1010.
- Signaling system, Selective. J. J. Lyng. No. 1,101,133; June 23; Gaz. vol. 203; p. 1085.
- Signaling system, Selective. H. O. Rugh. No. 1,115,977; Nov. 3; Gaz. vol. 208; p. 175.
- Signaling system, Semaphore. R. M. De Vignier. No. 1,104,480; July 21; Gaz. vol. 204; p. 871.
- Signaling systems, Condition-indicating mechanism for. H. W. Doughty. No. 1,120,459; Dec. 8; Gaz. vol. 209; p. 577.
- Signaling systems, Siding protection for. W. H. Lane and C. W. Coleman. No. 1,097,241; May 19; Gaz. vol. 202; p. 788.
- Signaling through space, System for. W. Harrison. No. 1,120,054; Dec. 8; Gaz. vol. 209; p. 433.
- Signaling, Transmitting apparatus for electric. P. O. Pedersen. No. 1,091,159; Mar. 24; Gaz. vol. 200; p. 976.
- Signaling, Wireless. R. A. Fessenden. No. 1,101,915; June 30; Gaz. vol. 203; p. 1405.
- Signature-gathering machine. C. A. Juengst. No. 1,109,127; Sept. 1; Gaz. vol. 206; p. 95.
- Signature-gathering machines, Jogging attachment for. A. Gullberg and C. L. Smith. No. 1,090,473; Mar. 17; Gaz. vol. 200; p. 710.
- Signature - handling mechanism. E. R. Kast. No. 1,083,617; Jan. 6; Gaz. vol. 198; p. 119.
- Signature machine, Multiple. W. F. Williams. No. 1,100,513; June 16; Gaz. vol. 203; p. 816.
- Signature-opening machine. E. M. Roller. No. 1,112,659; Oct. 6; Gaz. vol. 207; p. 89.
- Silage-handling apparatus. J. L. Beane. No. 1,113,738; Oct. 13; Gaz. vol. 207; p. 506.
- Silicon monoxid, Producing. H. N. Potter. No. 1,104,384; July 21; Gaz. vol. 204; p. 838.
- Silk and making it, Weighted. E. Stern. No. 1,095,684; May 5; Gaz. vol. 202; p. 175.
- Silk fabrics, Equalizing device for. H. Goldberg and F. Ludwigs. No. 1,106,704; Aug. 11; Gaz. vol. 205; p. 434.
- Silk, Manufacture of artificial. H. Timpe. No. 1,087,700; Feb. 17; Gaz. vol. 199; p. 836.
- Silk stretching and drying machines, Fiber-covered metallic tubing, a device for. J. Knott. No. 1,088,029; Feb. 24; Gaz. vol. 199; p. 995.
- Sill construction, Center-. J. F. Streib. No. 1,100,206; June 16; Gaz. vol. 203; p. 711.
- Sill-pocket, Pressed-steel. H. E. Price. No. 1,097,934; May 26; Gaz. vol. 202; p. 1074.
- Silo. J. W. Ames. No. 1,093,904; Apr. 21; Gaz. vol. 201; p. 681.
- Silo. E. A. Berry. No. 1,104,866; July 28; Gaz. vol. 204; p. 1055.
- Silo. T. E. Brooks. No. 1,122,250; Dec. 29; Gaz. vol. 209; p. 1325.

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- Silo. S. N. Brookshire. No. 1,109,566; Sept. 1; Gaz. vol. 206; p. 247.
- Silo. E. N. Cramer. No. 1,090,282; Mar. 17; Gaz. vol. 200; p. 641.
- Silo. M. C. Frisbie. No. 1,106,868; Aug. 11; Gaz. vol. 205; p. 492.
- Silo. M. Hermann. No. 1,118,857; Nov. 24; Gaz. vol. 208; p. 1300.
- Silo. C. Hungerford. No. 1,099,749; June 9; Gaz. vol. 203; p. 516.
- Silo. A. A. Kramer. No. 1,100,081; June 16; Gaz. vol. 203; p. 668.
- Silo. J. H. Mayer. No. 1,094,080; Apr. 21; Gaz. vol. 201; p. 740.
- Silo. E. C. Mc Nerney. No. 1,109,348; Sept. 1; Gaz. vol. 206; p. 175.
- Silo. F. J. Oberer. No. 1,114,639; Oct. 20; Gaz. vol. 207; p. 861.
- Silo. J. H. Ray. No. 1,118,231; Nov. 24; Gaz. vol. 208; p. 1082.
- Silo. E. M. Sellors. No. 1,106,897; Aug. 11; Gaz. vol. 205; p. 502.
- Silo. C. M. Spinks. No. 1,117,717; Nov. 17; Gaz. vol. 208; p. 866.
- Silo. F. P. Van Hook. No. 1,095,481; May 5; Gaz. vol. 202; p. 106.
- Silo. D. E. Virtue. No. 1,093,898; Apr. 21; Gaz. vol. 201; p. 679.
- Silo. G. P. Youmans. No. 1,087,524; Feb. 17; Gaz. vol. 199; p. 772.
- Silo. G. Wenzelmann. No. 1,115,880; Nov. 3; Gaz. vol. 208; p. 140.
- Silo. G. Wenzelmann. No. 1,116,654; Nov. 10; Gaz. vol. 208; p. 453.
- Silo and roof connector. M. J. O'Reilly. No. 1,087,394; Feb. 17; Gaz. vol. 199; p. 728.
- Silo and tile therefor. J. Merley. No. 1,091,946; Mar. 31; Gaz. vol. 200; p. 1287.
- Silo-building apparatus. W. Hayward. No. 1,101,182; June 23; Gaz. vol. 203; p. 1101.
- Silo, Combination wood and concrete. W. D. Pugh. No. 1,089,010; Mar. 3; Gaz. vol. 200; p. 115.
- Silo construction. C. S. H. F., E. G., and W. D. Finzer. No. 1,116,405; Nov. 10; Gaz. vol. 208; p. 360.
- Silo-door. J. H. Mayer. No. 1,106,662; Aug. 11; Gaz. vol. 205; p. 421.
- Silo-door. J. M. Moore. No. 1,117,218; Nov. 17; Gaz. vol. 208; p. 689.
- Silo-door frame. D. W. Osborn. No. 1,084,164; Jan. 13; Gaz. vol. 198; p. 331.
- Silo-filler. W. H. Mengle. No. 1,113,809; Oct. 13; Gaz. vol. 207; p. 531.
- Silo-hoop. H. E. Boldt. No. 1,089,742; Mar. 10; Gaz. vol. 200; p. 414.
- Silo-mold. G. N. Hartman. No. 1,099,038; June 2; Gaz. vol. 203; p. 229.
- Silo-packer. G. C. Park. No. 1,111,610; Sept. 22; Gaz. vol. 206; p. 1092.
- Silo-reinforcing device. F. P. Cory. No. 1,109,045; Sept. 1; Gaz. vol. 206; p. 67.
- Silo-roof. W. D. Church. No. 1,109,109; Sept. 1; Gaz. vol. 206; p. 89.
- Silo-roof. B. M. Headley. No. 1,110,059; Sept. 8; Gaz. vol. 206; p. 466.
- Silo-roof. C. E. Martin. No. 1,106,150; Aug. 4; Gaz. vol. 205; p. 198.
- Silo-roof. T. F. Meyer. No. 1,106,398; Aug. 11; Gaz. vol. 205; p. 324.
- Silo-roof. E. E. Wells. No. 1,107,002; Aug. 11; Gaz. vol. 205; p. 537.
- Silo-roof, Adjustable. C. W. and W. H. Chambers. No. 1,105,402; July 28; Gaz. vol. 204; p. 1243.
- Silo-support. C. F. Stewart. No. 1,111,928; Sept. 29; Gaz. vol. 206; p. 1241.
- Silos and other circular structures, Tension member for. H. N. King. No. 1,095,643; May 5; Gaz. vol. 202; p. 161.
- Silos, Extension and roof for. L. S. Nafziger. No. 1,102,201; June 30; Gaz. vol. 203; p. 1507.
- Silos, grain-bins, and storage-tanks, Joint for. J. R. Boardman. No. 1,084,531; Jan. 13; Gaz. vol. 198; p. 449.
- Silos of concrete and the like, Mold for forming. A. J. Stoesser. No. 1,122,329; Dec. 29; Gaz. vol. 209; p. 1351.
- Silos, Packer for. J. A. Westbrook. No. 1,104,333; July 21; Gaz. vol. 204; p. 820.
- Silos, Stave-retaining device for. W. A. Holnagel. No. 1,106,383; Aug. 11; Gaz. vol. 205; p. 319.
- Silos, tanks, and the like, Tightening means for. C. F. Sperry. No. 1,111,107; Sept. 22; Gaz. vol. 206; p. 919.
- Silos, Truss or bridge for hoops of. S. E. Anderson. No. 1,103,339; July 14; Gaz. vol. 204; p. 436.
- Silver ores, Metallurgical treatment of. O. Dyckerhoff. No. 1,085,675; Feb. 3; Gaz. vol. 199; p. 34.
- Silver-polish. A. T. Fletcher. No. 1,113,322; Oct. 13; Gaz. vol. 207; p. 360.
- Silverware ornamentations, Making hollow. L. F. Grandmont. No. 1,098,567; June 2; Gaz. vol. 203; p. 75.
- Singeing device. E. C. Daniels. No. 1,113,417; Oct. 13; Gaz. vol. 207; p. 394.
- Singeing-machine. W. W. Sibson and T. Allsop. No. 1,089,085; Mar. 3; Gaz. vol. 200; p. 141.
- Single-delivery paper box. A. Abt. No. 1,119,213; Dec. 1; Gaz. vol. 209; p. 109.
- Single-phase motor. C. B. Mills. No. 1,090,328; Mar. 17; Gaz. vol. 200; p. 657.
- Sink. J. Gardner. No. 1,090,704; Mar. 17; Gaz. vol. 200; p. 787.
- Sink, Dumping-. J. D. Hoffa. No. 1,089,130; Mar. 3; Gaz. vol. 200; p. 158.
- Sink, Portable. T. R. Perego. No. 1,116,913; Nov. 10; Gaz. vol. 208; p. 543.
- Sink-trap cleaner. M. Lunney. No. 1,085,052; Jan. 20; Gaz. vol. 198; p. 656.
- Sink utensil, Kitchen-. G. H. Barker. No. 1,116,543; Nov. 10; Gaz. vol. 208; p. 411.
- Sintering and stretching process, Combined. K. R. R. Seifert. No. 1,103,382; July 14; Gaz. vol. 204; p. 449.
- Sintering apparatus. J. E. Greenawalt. No. 1,110,623; Sept. 15; Gaz. vol. 206; p. 708.
- Sintering-machine. E. H. Laws. No. 1,097,592; May 19; Gaz. vol. 202; p. 907.
- Sintering smelting products and the like. J. Savelsberg. No. 1,103,318; July 14; Gaz. vol. 204; p. 429.
- Siphon. S. B. Drinkhouse. No. 1,088,973; Mar. 3; Gaz. vol. 200; p. 103.
- Siphon for aerated liquids. W. T. W. Idris and W. O. Ross. No. 1,099,850; June 9; Gaz. vol. 203; p. 549.
- Siphon for aerated liquids. W. T. W. Idris and W. O. Ross. No. 1,109,291; Sept. 1; Gaz. vol. 206; p. 154.
- Siphon-head. J. Baach, Jr. No. 1,107,738; Aug. 18; Gaz. vol. 205; p. 847.
- Siphon, Liquid-dispensing. A. Kleinfeldt and B. F. Priemer. No. 1,099,925; June 16; Gaz. vol. 203; p. 614.
- Siren. H. C. Heath. No. 1,086,822; Feb. 10; Gaz. vol. 199; p. 479.
- Sizing. J. A. Porter. No. 1,117,902; Nov. 17; Gaz. vol. 208; p. 929.
- Sizing comminuted material, Process of and apparatus for. H. M. Sutton, W. L. and E. G. Steele. No. 1,119,662; Dec. 1; Gaz. vol. 209; p. 262.
- Sizing, Composition of matter for adhesive. A. V. Kirkeby. No. 1,085,919; Feb. 3; Gaz. vol. 199; p. 120.
- Sizing or classifying comminuted materials, Process and apparatus for. H. M. Sutton, W. L. and E. G. Steele. No. 1,114,935; Oct. 27; Gaz. vol. 207; p. 1020.
- Skate. C. B. Drevitson. No. 1,115,790; Nov. 3; Gaz. vol. 208; p. 108.
- Skate. C. Hille. No. 1,100,976; June 23; Gaz. vol. 203; p. 1031.
- Skate. G. L. Pierce. No. 1,097,875; May 26; Gaz. vol. 202; p. 1053.
- Skate. L. A. Wharrad. No. 1,098,199; May 26; Gaz. vol. 202; p. 1166.
- Skate, Ice-. W. S. Button. No. 1,111,246; Sept. 22; Gaz. vol. 206; p. 968.
- Skate, Ice-. L. von Köppen. No. 1,092,653; Apr. 7; Gaz. vol. 201; p. 183.
- Skate, Roller-. J. E. Allan. No. 1,120,008; Dec. 8; Gaz. vol. 209; p. 417.
- Skate, Roller-. A. L. Porter. No. 1,116,840; Nov. 10; Gaz. vol. 208; p. 518.
- Skates, sleighs, skees, and the like, Blade for. L. von Köppen. No. 1,088,709; Mar. 3; Gaz. vol. 200; p. 14.
- Skee-harness. O. Selmer. No. 1,113,496; Oct. 13; Gaz. vol. 207; p. 423.
- Skee-skate. G. L. Jacques. No. 1,101,631; June 30; Gaz. vol. 203; p. 1308.
- Skee, Skimming-propeller. T. C. Moore. No. 1,086,608; Feb. 10; Gaz. vol. 199; p. 406.
- Skee, Water-. V. Voller. No. 1,091,259; Mar. 24; Gaz. vol. 200; p. 1010.
- Skein-unwinding device. T. J. Sands. No. 1,085,360; Jan. 27; Gaz. vol. 198; p. 800.
- Skeins on reels, Device for binding. G. A. Berthold. No. 1,084,193; Jan. 13; Gaz. vol. 198; p. 341.
- Skeins on reels, Device for binding the. G. A. Berthold. No. 1,086,504; Feb. 10; Gaz. vol. 199; p. 368.
- Skeleton frame and receptacle. R. M. Baddeley. No. 1,103,646; July 14; Gaz. vol. 204; p. 544.
- Skel-charging machine, Magnetic. W. T. Garlitz. No. 1,113,772; Oct. 13; Gaz. vol. 207; p. 518.
- Sketching apparatus. W. T. S. O'Brien. No. 1,111,608; Sept. 22; Gaz. vol. 206; p. 1092.
- Skewer-step mounting. W. O. Aldrich. No. 1,120,641; Dec. 8; Gaz. vol. 209; p. 642.
- Skewer-step mounting. C. A. Allen. No. 1,108,420; Aug. 25; Gaz. vol. 205; p. 1130.
- Skid. G. H. Danver. No. 1,101,526; June 30; Gaz. vol. 203; p. 1270.
- Skid. J. H. Foster. No. 1,121,912; Dec. 22; Gaz. vol. 209; p. 1169.
- Skid. F. T. Murdoch. No. 1,115,721; Nov. 3; Gaz. vol. 208; p. 87.
- Skid. E. W. Niswanger. No. 1,103,155; July 14; Gaz. vol. 204; p. 373.
- Skid. W. M. Sexton. No. 1,098,179; May 26; Gaz. vol. 202; p. 1159.
- Skillet-making machine. R. W. Thompson, Jr. No. 1,099,950; June 16; Gaz. vol. 203; p. 621.
- Skimmer, Tank-. W. J. Welch. No. 1,107,391; Aug. 18; Gaz. vol. 205; p. 723.

Alphabetical list of inventions—Continued.

- Skin-stretching board. C. Drueding. No. 1,118,641; Nov. 24; Gaz. vol. 208; p. 1228.
- Skip or kibble for automatically receiving loose material, Double. P. Volkenborn. No. 1,103,387; July 14; Gaz. vol. 204; p. 450.
- Skirt. M. Cohn. No. 1,119,136; Dec. 1; Gaz. vol. 209; p. 83.
- Skirt. K. Johnson. No. 1,113,998; Oct. 20; Gaz. vol. 207; p. 635.
- Skirt. F. A. Kaufer. No. 1,106,818; Aug. 11; Gaz. vol. 205; p. 474.
- Skirt. M. Mayers. No. 1,104,267; July 21; Gaz. vol. 204; p. 796.
- Skirt. A. M. Schneider. No. 1,104,319; July 21; Gaz. vol. 204; p. 814.
- Skirt, Bloomer-. M. Langman. No. 1,095,895; May 5; Gaz. vol. 202; p. 245.
- Skirt, Divided. F. R. Galluzzo. No. 1,091,827; Mar. 31; Gaz. vol. 200; p. 1246.
- Skirt-frame. W. Ruggeberg. No. 1,083,704; Jan. 6; Gaz. vol. 198; p. 147.
- Skirt-gage. E. H. Gates. No. 1,098,491; June 2; Gaz. vol. 203; p. 47.
- Skirt-gage. C. H. Pearse. No. 1,112,651; Oct. 6; Gaz. vol. 207; p. 86.
- Skirt-gage. C. Seaman. No. 1,092,177; Apr. 7; Gaz. vol. 201; p. 18.
- Skirt-hanger for cabinets. G. E. Bish. No. 1,095,073; Apr. 28; Gaz. vol. 201; p. 1142.
- Skirt-holder, Woven. R. Feldheim. No. 1,100,868; June 23; Gaz. vol. 203; p. 991.
- Skirt, Lady's. A. Malsin. No. 1,103,148; July 14; Gaz. vol. 204; p. 370.
- Skirt-marker. A. J. Cwiek. No. 1,119,577; Dec. 1; Gaz. vol. 209; p. 234.
- Skirt-marker. K. J. Jaeger. No. 1,084,212; Jan. 13; Gaz. vol. 198; p. 347.
- Skirt-marker. C. E. and O. A. McIntosh. No. 1,106,152; Aug. 4; Gaz. vol. 205; p. 198.
- Skirt-marker, bias-folder, and pattern-marker, Combination. B. S. Cramer. No. 1,108,143; Aug. 25; Gaz. vol. 205; p. 1035.
- Skirt-measuring machine. R. Goldstein. No. 1,096,833; May 19; Gaz. vol. 202; p. 643.
- Skirt, petticoat, and the like. V. Sablove. No. 1,084,968; Jan. 20; Gaz. vol. 198; p. 628.
- Skirt-supporter. C. J. Whitney. No. 1,086,965; Feb. 10; Gaz. vol. 199; p. 528.
- Skirt-waistband. G. Ladavière. No. 1,100,186; June 16; Gaz. vol. 203; p. 705.
- Skiving-machine. A. M. Alexander. No. 1,084,521; Jan. 13; Gaz. vol. 198; p. 446.
- Skiving-machine. A. M. Alexander. No. 1,117,541; Nov. 17; Gaz. vol. 208; p. 802.
- Skiving-machine. A. Bates, A. E. Jerrom, and J. Gould-bourn. No. 1,103,928; July 21; Gaz. vol. 204; p. 681.
- Skiving-machine. F. M. Courser. No. 1,120,033; Dec. 8; Gaz. vol. 209; p. 426.
- Skiving-machine. A. W. Eaton and C. Pease. No. 1,083,274; Jan. 6; Gaz. vol. 198; p. 5.
- Skiving-machine. W. S. Fitzgerald. No. 1,098,240; May 26; Gaz. vol. 202; p. 1179.
- Skiving-machine. H. C. Gee. No. 1,096,424; May 12; Gaz. vol. 202; p. 462.
- Skiving-machine. P. F. W. C. Krippendorf. No. 1,106,461; Aug. 11; Gaz. vol. 205; p. 348.
- Skiving-machine. L. Muther and W. F. Lautenschlager. No. 1,091,753; Mar. 31; Gaz. vol. 200; p. 1219.
- Skiving-machine. E. Nall and W. C. Tyler. No. 1,111,170; Sept. 22; Gaz. vol. 206; p. 942.
- Skiving-machine. E. Nall and W. C. Tyler. No. 1,118,101; Nov. 3; Gaz. vol. 208; p. 218.
- Skiving-machine. F. J. Nash. No. 1,090,164; Mar. 17; Gaz. vol. 200; p. 600.
- Skiving-machines, Device for mounting the feed-disks in. L. Muther and W. M. Sprye. No. 1,092,122; Mar. 31; Gaz. vol. 200; p. 1345.
- Skull-breaking apparatus. A. G. McGregor. No. 1,097,105; May 19; Gaz. vol. 202; p. 739.
- Skylight. A. H. Jeter. No. 1,119,829; Dec. 8; Gaz. vol. 209; p. 355.
- Skylight. C. Yauch. No. 1,090,186; Mar. 17; Gaz. vol. 200; p. 609.
- Skylight and greenhouse bar. D. Kraft. No. 1,093,937; Apr. 21; Gaz. vol. 201; p. 692.
- Skylight-covers, &c., Operating mechanism for. F. M. McLean and P. Dross. No. 1,120,321; Dec. 8; Gaz. vol. 209; p. 527.
- Slab cutting and separating machine. F. H. Merrell and W. K. Blackburn. No. 1,108,204; Aug. 25; Gaz. vol. 205; p. 1056.
- Slack-adjuster. J. E. Anger. No. 1,099,145; June 2; Gaz. vol. 203; p. 263.
- Slack-adjuster. L. A. Hoerr. No. 1,092,215; Apr. 7; Gaz. vol. 201; p. 32.
- Slack-adjuster, Automatic. R. E. Adreon. No. 1,120,640; Dec. 8; Gaz. vol. 209; p. 641.
- Slack-adjuster, Automatic. R. C. Swartzwelder. No. 1,122,436; Dec. 29; Gaz. vol. 209; p. 1386.
- Slack-adjusting device, Automatic. J. S. Harding. No. 1,120,936; Dec. 15; Gaz. vol. 209; p. 792.
- Slack-adjusting device, Automatic. J. F. Richards. No. 1,087,182; Feb. 17; Gaz. vol. 199; p. 652.
- Slag, Apparatus for granulating molten. R. Donaldson. No. 1,117,644; Nov. 17; Gaz. vol. 208; p. 839.
- Slag-disintegrating apparatus. L. Larson. No. 1,103,886; July 14; Gaz. vol. 204; p. 625.
- Slag-handling apparatus. R. C. Gangewere. No. 1,091,828; Mar. 31; Gaz. vol. 200; p. 1246.
- Slag, Making articles from. M. Chiapponi. No. 1,114,581; Oct. 20; Gaz. vol. 207; p. 842.
- Slate blocks and the like, Apparatus for splitting. C. Sudre. No. 1,094,177; Apr. 21; Gaz. vol. 201; p. 774.
- Slaughtering cattle and like animals, Appliance for. C. Ransom. No. 1,099,935; June 16; Gaz. vol. 203; p. 617.
- Sled. F. Andruszkiewicz. No. 1,110,525; Sept. 15; Gaz. vol. 206; p. 673.
- Sled. C. J. Carlson, J. and E. Lindberg. No. 1,111,005; Sept. 22; Gaz. vol. 206; p. 884.
- Sled. A. Dewinsky. No. 1,121,811; Dec. 22; Gaz. vol. 209; p. 1133.
- Sled. E. E. Foster. No. 1,084,697; Jan. 20; Gaz. vol. 198; p. 538.
- Sled. D. Y. Hallock. No. 1,090,052; Mar. 10; Gaz. vol. 200; p. 520.
- Sled. F. Hornquist. No. 1,090,152; Mar. 17; Gaz. vol. 200; p. 596.
- Sled. F. Krause. No. 1,117,860; Nov. 17; Gaz. vol. 208; p. 915.
- Sled. O. Pearson. No. 1,117,434; Nov. 17; Gaz. vol. 208; p. 765.
- Sled. F. R. Peets. No. 1,119,112; Dec. 1; Gaz. vol. 209; p. 75.
- Sled. T. J. Phillips. No. 1,091,955; Mar. 31; Gaz. vol. 200; p. 1290.
- Sled. J. C. Van Aken. No. 1,098,650; June 2; Gaz. vol. 203; p. 101.
- Sled and carriage, Convertible. H. S. Coleman. No. 1,117,638; Nov. 17; Gaz. vol. 208; p. 837.
- Sled and wagon, Combination. L. Tabbert. No. 1,120,251; Dec. 8; Gaz. vol. 209; p. 503.
- Sled attachment. F. Eisen. No. 1,122,707; Dec. 29; Gaz. vol. 209; p. 1483.
- Sled, Automobile. F. T. Kindahl. No. 1,117,677; Nov. 17; Gaz. vol. 208; p. 851.
- Sled, Bankable flexible. M. Walker. No. 1,083,713; Jan. 6; Gaz. vol. 198; p. 151.
- Sled, Bob-. C. Board. No. 1,108,322; Aug. 25; Gaz. vol. 205; p. 1099.
- Sled, Bob-. J. W. Miller. No. 1,117,882; Nov. 17; Gaz. vol. 208; p. 923.
- Sled-brake. C. W. Foote. No. 1,104,649; July 21; Gaz. vol. 204; p. 930.
- Sled, Coaster-. W. J. Roche. No. 1,116,487; Nov. 10; Gaz. vol. 208; p. 390.
- Sled, Coasting-. J. V. Hackett. No. 1,099,700; June 9; Gaz. vol. 203; p. 501.
- Sled-knee. L. F. Jordan. No. 1,114,484; Oct. 20; Gaz. vol. 207; p. 811.
- Sled-mobile. T. A. Dora. No. 1,086,033; Feb. 3; Gaz. vol. 199; p. 163.
- Sled, Motor-. J. F. Oakes. No. 1,098,523; June 2; Gaz. vol. 203; p. 58.
- Sled, Motor-. G. L. Thydean. No. 1,115,617; Nov. 3; Gaz. vol. 208; p. 51.
- Sled or sleigh. H. M. Oliver. No. 1,084,709; Jan. 20; Gaz. vol. 198; p. 542.
- Sled, Propeller-. A. Nelson. No. 1,087,047; Feb. 10; Gaz. vol. 199; p. 554.
- Sled-propelling mechanism. T. D. Woolson. No. 1,100,643; June 16; Gaz. vol. 203; p. 858.
- Sled-runner attachment. J. A. Bergren. No. 1,094,420; Apr. 28; Gaz. vol. 201; p. 912.
- Sled-runner end or crook. C. F. Sutter. No. 1,121,950; Dec. 22; Gaz. vol. 209; p. 1183.
- Sled, Steering-. A. C. Himebaugh. No. 1,104,799; July 28; Gaz. vol. 204; p. 1030.
- Sled, Wheeled. F. C. Simon. No. 1,086,945; Feb. 10; Gaz. vol. 199; p. 521.
- Sledge, Motor-. A. Kégresse. No. 1,096,815; May 12; Gaz. vol. 202; p. 594.
- Sleeve. A. W. Schloss. No. 1,096,270; May 12; Gaz. vol. 202; p. 411.
- Sleeve holder or clasp. G. M. Burgess. No. 1,083,385; Jan. 6; Gaz. vol. 198; p. 42.
- Sleeve-lining. W. Abrahams. No. 1,106,912; Aug. 11; Gaz. vol. 205; p. 508.
- Sleeve, Storm-. H. Hertz. No. 1,092,047; Mar. 31; Gaz. vol. 200; p. 1318.
- Sleigh. W. J. Roecker. No. 1,105,536; July 28; Gaz. vol. 204; p. 1289.
- Sleigh and wheeled vehicle, Combination. W. E. Wise. No. 1,118,720; Nov. 24; Gaz. vol. 208; p. 1256.
- Sleigh attachment for motor-vehicles. J. S. Thomson. No. 1,105,939; Aug. 4; Gaz. vol. 205; p. 124.
- Sleigh attachment for vehicles. A. Hofacker. No. 1,103,415; July 14; Gaz. vol. 204; p. 460.
- Sleigh-brake. J. M. Barienger. No. 1,085,189; Jan. 27; Gaz. vol. 198; p. 740.
- Sleigh, Monorunner coasting-. M. Diener and C. F. Urban. No. 1,117,807; Nov. 17; Gaz. vol. 208; p. 898.

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- Sleigh-runner for baby-carriages, Detachable. C. Schilpp. No. 1,093,483; Apr. 14; Gaz. vol. 201; p. 497.
- Sleigh-runner, Non-skid metal. T. J. Field and I. Simley. No. 1,108,160; Aug. 25; Gaz. vol. 205; p. 1041.
- Slicer and grader, Household. R. A. Gillespie. No. 1,087,652; Feb. 17; Gaz. vol. 199; p. 820.
- Slicer, Bread-. A. F. Wellman. No. 1,123,050; Dec. 29; Gaz. vol. 209; p. 1603.
- Slicer, Fruit and vegetable. F. G. Mower. No. 1,107,695; Aug. 18; Gaz. vol. 205; p. 832.
- Slicer, Meat-. C. J. McCarthy. No. 1,086,680; Feb. 10; Gaz. vol. 199; p. 429.
- Slicer, Vegetable-. J. Emel, Sr. No. 1,094,318; Apr. 21; Gaz. vol. 201; p. 817.
- Slicing and cooking machine, Vegetable. J. H. Varian. No. 1,086,248; Feb. 3; Gaz. vol. 199; p. 236.
- Slicing-machine. A. J. Loga. No. 1,115,697; Nov. 3; Gaz. vol. 208; p. 80.
- Slicing-machine. H. Stukart. No. 1,106,591; Aug. 11; Gaz. vol. 205; p. 396.
- Slicing machine, Bread-. W. H. Cronk. No. 1,123,176; Dec. 29; Gaz. vol. 209; p. 1649.
- Slicing machine, Fruit-. F. J. Cunha. No. 1,102,011; June 30; Gaz. vol. 203; p. 1440.
- Slicing machine, Fruit or vegetable. W. H. Boutell. No. 1,102,467; July 7; Gaz. vol. 204; p. 86.
- Slicing machine, Meat-. A. L. Gardner. No. 1,105,643; Aug. 4; Gaz. vol. 205; p. 20.
- Slicing-machines, Material-clamping mechanism for. J. H. Hampp. No. 1,091,655; Mar. 31; Gaz. vol. 200; p. 1185.
- Slicing-machines, Meat-holding clamp for. J. I. McCormick. No. 1,122,526; Dec. 29; Gaz. vol. 209; p. 1418.
- Slide. C. A. Buettner. No. 1,083,985; Jan. 13; Gaz. vol. 198; p. 269.
- Slide, Extension-. G. C. Kimmel. No. 1,102,416; July 7; Gaz. vol. 204; p. 69.
- Slidable bolt. S. Mahaj. No. 1,113,667; Oct. 13; Gaz. vol. 207; p. 480.
- Sliding-jaw wrench. D. R. Hawley. No. 1,122,921; Dec. 29; Gaz. vol. 209; p. 1557.
- Sliding-jaw wrench. C. N. Griffith. No. 1,100,479; June 16; Gaz. vol. 203; p. 805.
- Sliding-jaw wrench. P. Sabo. No. 1,111,616; Sept. 22; Gaz. vol. 206; p. 1095.
- Slime cakes, Dislodging. G. W. Shepherd. No. 1,096,132; May 12; Gaz. vol. 202; p. 362.
- Slime-separator. C. Allen. No. 1,118,614; Nov. 24; Gaz. vol. 208; p. 1219.
- Slimes, Apparatus for separating fine-grained admixtures from. R. Freygang. No. 1,097,855; May 26; Gaz. vol. 202; p. 1045.
- Slimes-roasting apparatus. R. T. Wales. No. 1,085,831; Feb. 3; Gaz. vol. 199; p. 90.
- Sling. F. E. Slutman. No. 1,112,866; Oct. 6; Gaz. vol. 207; p. 160.
- Sling, Self-adjusting equine. W. M. McFadden. No. 1,083,627; Jan. 6; Gaz. vol. 198; p. 122.
- Slip-folder. F. P. Rockwell. No. 1,104,276; July 21; Gaz. vol. 204; p. 799.
- Slip-holder. L. V. Metzgar. No. 1,101,315; June 23; Gaz. vol. 203; p. 1147.
- Slip-hook. L. von Rantzow. No. 1,096,126; May 12; Gaz. vol. 202; p. 360.
- Slip-joint machine. J. P. Harner. No. 1,084,429; Jan. 13; Gaz. vol. 198; p. 417.
- Slipper. I. Goldberg. No. 1,120,808; Dec. 15; Gaz. vol. 209; p. 747.
- Slipper attachment. R. H. Fullerton. No. 1,103,191; July 14; Gaz. vol. 204; p. 386.
- Slipper, Foldable. N. H. Hassel. No. 1,104,357; July 21; Gaz. vol. 204; p. 828.
- Slitting and scoring machine. J. T. Ferres. No. 1,091,204; Mar. 24; Gaz. vol. 200; p. 991.
- Slitting-machine. J. A. Cameron and G. B. Birch. No. 1,116,795; Nov. 10; Gaz. vol. 208; p. 502.
- Sliver-working machine. E. K. Swift. No. 1,117,462; Nov. 17; Gaz. vol. 208; p. 775.
- Slivers, Mechanism for evening fibrous. A. Birch and W. Hamer. No. 1,111,290; Sept. 22; Gaz. vol. 206; p. 982.
- Slot guard or shield. J. I. McCormick. No. 1,104,370; July 21; Gaz. vol. 204; p. 832.
- Slot-machine. J. H. Egan and J. H. Frierson. No. 1,084,076; Jan. 13; Gaz. vol. 198; p. 301.
- Slot-machine. S. Madsen. No. 1,116,599; Nov. 10; Gaz. vol. 208; p. 432.
- Slotting, creasing, and slitting machine. H. N. Sickler. No. 1,103,695; July 14; Gaz. vol. 204; p. 562.
- Slow-feed can. W. McNutt. No. 1,122,624; Dec. 29; Gaz. vol. 209; p. 1452.
- Slub-catcher. M. Ewing. No. 1,102,213; June 30; Gaz. vol. 203; p. 1512.
- Slub-catcher stop-motion for winders. M. Ewing. No. 1,102,214; June 30; Gaz. vol. 203; p. 1513.
- Slug-cutter. E. F. Barber. No. 1,106,026; Aug. 4; Gaz. vol. 205; p. 155.
- Slugging-machine. F. E. Valois. No. 1,114,943; Oct. 27; Gaz. vol. 207; p. 1023.
- Sluice and ore-concentrator. C. S. Richardson. No. 1,110,824; Sept. 15; Gaz. vol. 206; p. 777.
- Sluice-box. H. W. Fry. No. 1,117,828; Nov. 17; Gaz. vol. 208; p. 906.
- Sluice-box. J. C. Wilson and J. E. Quick. No. 1,085,516; Jan. 27; Gaz. vol. 198; p. 851.
- Sluice-gate, Automatic. G. Larson. No. 1,089,232; Mar. 3; Gaz. vol. 200; p. 192.
- Small-arm, Automatic. J. Eastwick. No. 1,109,910; Sept. 8; Gaz. vol. 206; p. 413.
- Small-arm, Magazine. W. J. Whiting. No. 1,121,437; Dec. 15; Gaz. vol. 209; p. 967.
- Small-arms, Practice apparatus for. H. B. Hollifield. No. 1,094,854; Apr. 28; Gaz. vol. 201; p. 1067.
- Smelter-fumes and recovering their values, Apparatus for arresting. C. S. Vadner. No. 1,085,712; Feb. 3; Gaz. vol. 199; p. 47.
- Smelter-fumes, Device for treating. O. V. Blom. No. 1,098,611; June 2; Gaz. vol. 203; p. 87.
- Smelter-fumes useful and recovery of their values, Rendering. C. S. Vadner. No. 1,103,165; July 14; Gaz. vol. 204; p. 376.
- Smelters, Fume-concentrator for. S. W. Smith. No. 1,112,860; Oct. 6; Gaz. vol. 207; p. 157.
- Smelting and briquetting. B. T. Colley. No. 1,098,883; June 2; Gaz. vol. 203; p. 178.
- Smelting and purifying iron. G. R. Gehrandt. No. 1,110,540; Sept. 15; Gaz. vol. 206; p. 677.
- Smelting apparatus, Ore-. J. A. Potter. No. 1,113,481; Oct. 13; Gaz. vol. 207; p. 417.
- Smelting-furnace. T. H. Holroyd. No. 1,108,175; Aug. 25; Gaz. vol. 205; p. 1045.
- Smelting-furnace. E. Riveroll. No. 1,105,001; July 28; Gaz. vol. 204; p. 1100.
- Smelting-furnace. W. E. Williams. No. 1,108,821; Aug. 25; Gaz. vol. 205; p. 1268.
- Smelting ores. F. J. Machalske. No. 1,099,709; June 9; Gaz. vol. 203; p. 504.
- Smoke-abating system for railway-stations. R. A. Ilg. No. 1,114,001; Oct. 20; Gaz. vol. 207; p. 636.
- Smoke, air, and other gases, Apparatus for washing. G. Lister. No. 1,098,389; June 2; Gaz. vol. 203; p. 11.
- Smoke and fume filter. E. H. Gagnon. No. 1,116,053; Nov. 3; Gaz. vol. 208; p. 201.
- Smoke and fumes, Apparatus for treating. J. Mercer. No. 1,121,746; Dec. 22; Gaz. vol. 209; p. 1110.
- Smoke and heat protector for firemen. M. Panian. No. 1,084,958; Jan. 20; Gaz. vol. 198; p. 625.
- Smoke-burning device. F. T. Farnum. No. 1,087,358; Feb. 17; Gaz. vol. 199; p. 714.
- Smoke-cleaning apparatus. J. D. Jackson. No. 1,100,307; June 16; Gaz. vol. 203; p. 747.
- Smoke-consumer. R. Hawkins. No. 1,123,207; Dec. 29; Gaz. vol. 209; p. 1660.
- Smoke-consumer. E. C. Heimlich. No. 1,120,484; Dec. 8; Gaz. vol. 209; p. 586.
- Smoke-consumer. W. Kelly. No. 1,083,540; Jan. 6; Gaz. vol. 198; p. 93.
- Smoke-consumer. L. Kidd. No. 1,090,072; Mar. 20; Gaz. vol. 200; p. 527.
- Smoke-consumer. J. A. Packard. No. 1,091,013; Mar. 24; Gaz. vol. 200; p. 924.
- Smoke-consumer. W. S. Tucker. No. 1,113,070; Oct. 6; Gaz. vol. 207; p. 227.
- Smoke-consumer. J. W. Wilder. No. 1,117,614; Nov. 17; Gaz. vol. 208; p. 827.
- Smoke-consuming device. D. Townsend. No. 1,088,639; Feb. 24; Gaz. vol. 199; p. 1199.
- Smoke-consuming device for heaters or boilers. E. C. Hock. No. 1,106,709; Aug. 11; Gaz. vol. 205; p. 436.
- Smoke-consuming furnace. H. C. Alford. No. 1,095,489; May 5; Gaz. vol. 202; p. 109.
- Smoke-consuming furnace. P. H. McGlehan. No. 1,095,907; May 5; Gaz. vol. 202; p. 249.
- Smoke-consuming furnace. O. D. Orvis. No. 1,097,662; May 26; Gaz. vol. 202; p. 977.
- Smoke-consuming heater or boiler. E. C. Hock. No. 1,097,718; May 26; Gaz. vol. 202; p. 997.
- Smoke-conveyer. C. F. Kellems. No. 1,090,071; Mar. 10; Gaz. vol. 200; p. 527.
- Smoke-eliminator. C. Cable. No. 1,120,129; Dec. 8; Gaz. vol. 209; p. 459.
- Smoke-filter and spark-eliminator. E. H. Gagnon. No. 1,114,461; Oct. 20; Gaz. vol. 207; p. 802.
- Smoke-indicator. T. W. McNeill and I. J. Babcock. No. 1,103,603; July 14; Gaz. vol. 204; p. 527.
- Smoke-jack. W. Reenstrom. No. 1,108,234; Aug. 25; Gaz. vol. 205; p. 1067.
- Smoke-precipitator. C. W. Lent. No. 1,103,304; July 14; Gaz. vol. 204; p. 423.
- Smoke-preventer. B. F. B. Fairbrother. No. 1,088,136; Feb. 24; Gaz. vol. 199; p. 1032.
- Smoke-preventer. T. W. Langan. No. 1,104,909; July 28; Gaz. vol. 204; p. 1069.
- Smoke-preventer. H. Lindsay and W. B. Jackson. No. 1,092,582; Apr. 7; Gaz. vol. 201; p. 158.
- Smoke-recorder. H. C. Alger. No. 1,122,229; Dec. 22; Gaz. vol. 209; p. 1278.
- Smoke-recording apparatus. H. C. Alger. No. 1,093,903; Apr. 21; Gaz. vol. 201; p. 681.
- Smoke-ring-making device. R. F. R. Huntsman. No. 1,103,514; July 14; Gaz. vol. 204; p. 494.

Alphabetical list of inventions—Continued.

- Smoke-stack cleaner. F. C. Willat. No. 1,104,030; July 21; Gaz. vol. 204; p. 715.
- Smoke-stack protector. E. C. French and T. E. Craig. No. 1,090,389; Mar. 17; Gaz. vol. 200; p. 679.
- Smoke-uptake. R. L. Paulson. No. 1,108,222; Aug. 25; Gaz. vol. 205; p. 1062.
- Smoke-washer. L. Bottenstein. No. 1,102,996; July 7; Gaz. vol. 204; p. 267.
- Smoker, Animal-. G. L. Lake. No. 1,117,063; Nov. 10; Gaz. vol. 208; p. 595.
- Smoker's accessory. B. Stricker. No. 1,112,575; Oct. 6; Gaz. vol. 207; p. 59.
- Smokers, Piston for pneumatic. B. A. Shaw. No. 1,112,334; Sept. 29; Gaz. vol. 206; p. 1380.
- Smoker's pouch. C. Twining. No. 1,096,771; May 12; Gaz. vol. 202; p. 578.
- Smoker's set. S. W. Cohn. No. 1,102,003; June 30; Gaz. vol. 203; p. 1437.
- Smoker's utensil. J. H. Astruck. No. 1,088,254; Feb. 24; Gaz. vol. 199; p. 1072.
- Smoking implement. M. L. Thomas. No. 1,118,828; Nov. 24; Gaz. vol. 208; p. 1290.
- Smoking-pipe. W. E. Davis. (Reissue.) No. 13,827; Nov. 17; Gaz. vol. 208; p. 952.
- Smoking-pipe. J. A. Donnelly. No. 1,119,934; Dec. 8; Gaz. vol. 209; p. 391.
- Smoking-pipe. L. B. Linkman. No. 1,104,203; July 21; Gaz. vol. 204; p. 775.
- Smoking-pipe attachment. G. A. Fredericks. No. 1,118,276; Nov. 24; Gaz. vol. 208; p. 1098.
- Smudge-kindler, Automatic. I. G. Van Nest and A. J. Killen. No. 1,102,616; July 7; Gaz. vol. 204; p. 139.
- Smudge-pot, Automatic. F. J. Fisher. No. 1,095,496; May 5; Gaz. vol. 202; p. 111.
- Snake-puller. F. A. Thies. No. 1,108,025; Aug. 18; Gaz. vol. 205; p. 945.
- Snap-fastener. E. N. Humphrey. No. 1,094,333; Apr. 21; Gaz. vol. 201; p. 822.
- Snap-fastener. J. G. Smith. No. 1,107,122; Aug. 11; Gaz. vol. 205; p. 577.
- Snap-fastener top. A. H. Greenebaum. No. 1,113,211; Oct. 13; Gaz. vol. 207; p. 320.
- Snap-hook. J. B. Baxter. No. 1,092,238; Apr. 7; Gaz. vol. 201; p. 39.
- Snap-hook. C. E. Kelly. No. 1,093,630; Apr. 21; Gaz. vol. 201; p. 589.
- Snap-hook. O. B. Sandifur. No. 1,101,815; June 30; Gaz. vol. 203; p. 1370.
- Snap-hook, Pivoted-tongue. J. B. Baxter. No. 1,109,390; Sept. 1; Gaz. vol. 206; p. 191.
- Snap socket-shell. C. D. Platt. No. 1,086,080; Feb. 3; Gaz. vol. 199; p. 180.
- Snap-switch. G. W. Hart. No. 1,103,412; July 14; Gaz. vol. 204; p. 459.
- Snap-switch. C. Roth. No. 1,112,161; Sept. 29; Gaz. vol. 206; p. 1319.
- Snare strainer and muffler, Combined. J. A. Meyer. No. 1,104,373; July 21; Gaz. vol. 204; p. 833.
- Snare-trap. J. La Frenier. No. 1,091,923; Mar. 31; Gaz. vol. 200; p. 1280.
- Snatch-block. F. M. Smith. No. 1,114,814; Oct. 27; Gaz. vol. 207; p. 976.
- Snatch-block. F. M. Smith. No. 1,122,545; Dec. 29; Gaz. vol. 209; p. 1424.
- Snow and drying sand and like substances, Apparatus for melting. A. P. Link. No. 1,092,778; Apr. 7; Gaz. vol. 201; p. 224.
- Snow and ice from rails, Apparatus for removing. D. C. Joyce. No. 1,101,503; June 23; Gaz. vol. 203; p. 1213.
- Snow and ice melting machine. A. Wettervik. No. 1,111,628; Sept. 22; Gaz. vol. 206; p. 1099.
- Snow-drifts, Device for preventing. B. F. Swezey. No. 1,108,943; Sept. 1; Gaz. vol. 206; p. 30.
- Snow gathering and melting machine. G. Schuler. No. 1,106,735; Aug. 11; Gaz. vol. 205; p. 446.
- Snow-melting apparatus. S. Denemark. No. 1,117,985; Nov. 24; Gaz. vol. 208; p. 998.
- Snow-plow. W. H. James. No. 1,086,298; Feb. 3; Gaz. vol. 199; p. 250.
- Snow-plow. J. A. Lawrence. No. 1,100,021; June 16; Gaz. vol. 203; p. 646.
- Snow-plow. W. L. Stadig. No. 1,084,498; Jan. 13; Gaz. vol. 198; p. 437.
- Snow-plow. W. L. Stadig. No. 1,093,493; Apr. 14; Gaz. vol. 201; p. 501.
- Snow-removing device. W. H. Masterson. No. 1,109,240; Sept. 1; Gaz. vol. 206; p. 136.
- Snow-scraper. C. J. Brodie. No. 1,114,442; Oct. 20; Gaz. vol. 207; p. 795.
- Snow-scraper. H. E. Plummer. No. 1,100,197; June 16; Gaz. vol. 203; p. 708.
- Soap amalgamating and mixing machine. C. C. Swane. No. 1,101,104; June 23; Gaz. vol. 203; p. 1074.
- Soap and resin, Manufacturing resin. J. Aktschourin. No. 1,103,336; July 14; Gaz. vol. 204; p. 435.
- Soap-box. A. L. Jones. No. 1,114,483; Oct. 20; Gaz. vol. 207; p. 811.
- Soap-container. H. F. Prescott. No. 1,108,083; Aug. 18; Gaz. vol. 205; p. 966.
- Soap-delivery apparatus, Dry-. E. S. Bacon. No. 1,095,542; May 5; Gaz. vol. 202; p. 127.
- Soap-dishes, Footpiece connection for. G. M. Condit. No. 1,084,022; Jan. 20; Gaz. vol. 198; p. 646.
- Soap dispenser, Liquid-. A. W. Lawnin. No. 1,103,521; July 14; Gaz. vol. 204; p. 496.
- Soap dispenser, Liquid-. M. J. C. Nyborg. No. 1,116,613; Nov. 10; Gaz. vol. 208; p. 437.
- Soap dispenser, Powdered-. E. C. Wideman. No. 1,089,097; Mar. 3; Gaz. vol. 200; p. 145.
- Soap-dispensing apparatus. T. E. Jones. No. 1,095,215; May 5; Gaz. vol. 202; p. 15.
- Soap-dispensing device, Liquid-. E. G. Watrous. No. 1,118,977; Dec. 1; Gaz. vol. 209; p. 25.
- Soap-dispensing machine. H. R. Evans. No. 1,108,982; Sept. 1; Gaz. vol. 206; p. 44.
- Soap, Embedding thin printed labels made of gelatin in transparent. H. Kestner. No. 1,114,006; Oct. 20; Gaz. vol. 207; p. 638.
- Soap fixture, Liquid-. E. G. Watrous. No. 1,094,615; Apr. 28; Gaz. vol. 201; p. 981.
- Soap-holder. T. Bowes. No. 1,117,634; Nov. 17; Gaz. vol. 208; p. 835.
- Soap-holder. E. G. East. No. 1,122,882; Dec. 29; Gaz. vol. 209; p. 1544.
- Soap-holder. J. J. Lisbae. No. 1,088,783; Mar. 3; Gaz. vol. 200; p. 37.
- Soap holder, Liquid-. J. F. Henderson. No. 1,110,135; Sept. 8; Gaz. vol. 206; p. 497.
- Soap-holder, Rotatable. P. E. Fischer. No. 1,107,278; Aug. 18; Gaz. vol. 205; p. 683.
- Soap in water, Emulsifying resin. W. J. Dolan. No. 1,111,689; Sept. 22; Gaz. vol. 206; p. 1121.
- Soap-lather, Apparatus for beating. W. B. Nilsson. No. 1,085,992; Feb. 3; Gaz. vol. 199; p. 148.
- Soap, Making disinfectant. W. A. Waltke. No. 1,083,571; Jan. 6; Gaz. vol. 198; p. 103.
- Soap, Manufacture of milled. F. A. V. Klopfer. No. 1,085,437; Jan. 27; Gaz. vol. 198; p. 825.
- Soap-press. B. H. Becker and J. Ciesla. No. 1,085,236; Jan. 27; Gaz. vol. 198; p. 757.
- Soap-press. B. H. Becker and J. Ciesla. No. 1,110,610; Sept. 15; Gaz. vol. 206; p. 703.
- Soap sizing composition, Rosin-. J. A. De Cew. No. 1,099,168; June 9; Gaz. vol. 203; p. 316.
- Soap-stick, Refillable. H. D. Dye. No. 1,092,436; Apr. 7; Gaz. vol. 201; p. 108.
- Soap-wrapping machine. W. O. Sargent. No. 1,099,398; June 9; Gaz. vol. 203; p. 397.
- Sock. C. Tighe. No. 1,094,273; Apr. 21; Gaz. vol. 201; p. 804.
- Socket-cap. J. H. Goss. No. 1,103,504; July 14; Gaz. vol. 204; p. 490.
- Socket-cover and holder, Screwless. L. W. Andersen. No. 1,096,523; May 12; Gaz. vol. 202; p. 496.
- Socket, Plural. F. E. Seeley. No. 1,107,120; Aug. 11; Gaz. vol. 205; p. 576.
- Socket-shell. T. A. C. Both. No. 1,108,547; Aug. 25; Gaz. vol. 205; p. 1177.
- Socket-shell and holder combined. L. W. Andersen. No. 1,089,180; Mar. 3; Gaz. vol. 200; p. 177.
- Sod-cutter. J. Larsen. No. 1,099,607; June 9; Gaz. vol. 203; p. 468.
- Soda-fountains, Mixing device for. J. F. Dwiggins. No. 1,115,518; Nov. 3; Gaz. vol. 208; p. 18.
- Soda-water, Attachment for conveyers for bottled. E. R. Barber. No. 1,100,645; June 16; Gaz. vol. 203; p. 859.
- Sodium and potassium salts from mixtures thereof, Recovering. C. E. Dolbear. No. 1,088,216; Feb. 24; Gaz. vol. 199; p. 1059.
- Sodium and potassium salts from mixtures thereof, Recovering. C. E. Dolbear. No. 1,088,333; Feb. 24; Gaz. vol. 199; p. 1099.
- Sodium and potassium salts, Separating. H. P. Bassett. No. 1,091,033; Mar. 24; Gaz. vol. 200; p. 932.
- Sodium bisulfate in a directly-calcinable form, Manufacture of. P. Löffler. No. 1,104,913; July 28; Gaz. vol. 204; p. 1071.
- Sodium bisulfite and producing same, Stable crystalline. H. Howard. No. 1,099,177; June 9; Gaz. vol. 203; p. 320.
- Sodium bisulfite, Making solid. H. Howard. No. 1,084,436; Jan. 13; Gaz. vol. 198; p. 419.
- Sodium carbonate, Producing. M. Spazier. No. 1,122,323; Dec. 29; Gaz. vol. 209; p. 1349.
- Sofa and bed, Convertible. J. F. Kampe. No. 1,088,587; Feb. 24; Gaz. vol. 199; p. 1181.
- Sofa, Convertible. J. A. Arton. No. 1,119,563; Dec. 1; Gaz. vol. 209; p. 230.
- Sofa or davenport and bed. S. Rusnak. No. 1,105,928; Aug. 4; Gaz. vol. 205; p. 120.
- Soffit-clip. C. F. Travallad. No. 1,115,749; Nov. 3; Gaz. vol. 208; p. 96.
- Soil-stack connection. R. J. Schweitzer. No. 1,095,291; May 5; Gaz. vol. 202; p. 40.
- Soil-tester. M. L. Melberg. No. 1,109,446; Sept. 1; Gaz. vol. 206; p. 208.
- Solar energy, Utilizing. H. E. Willsie. No. 1,101,001; June 23; Gaz. vol. 203; p. 1039.
- Solar heat, Apparatus for utilizing. H. E. Willsie. No. 1,101,000; June 23; Gaz. vol. 203; p. 1039.
- Solar heater. H. L. Foresman. No. 1,093,925; Apr. 21; Gaz. vol. 201; p. 689.

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- Solder. C. F. Grimm. No. 1,093,403; Apr. 14; Gaz. vol. 201; p. 475.
- Solder-placing machine. B. Hausheer. No. 1,104,261; July 21; Gaz. vol. 204; p. 794.
- Solder-solvent. W. F. Koper. No. 1,097,926; May 26; Gaz. vol. 202; p. 1072.
- Soldering. A. R. Braden. No. 1,109,659; Sept. 8; Gaz. vol. 206; p. 323.
- Soldering alloy. G. D. Long and E. W. Rapp. No. 1,107,082; Aug. 11; Gaz. vol. 205; p. 564.
- Soldering and welding materials. A. Cornand and H. Van de Cruys. No. 1,092,340; Apr. 7; Gaz. vol. 201; p. 75.
- Soldering caps to cans. B. Hausheer. No. 1,105,778; Aug. 4; Gaz. vol. 205; p. 68.
- Soldering-chain. C. A. Becker. No. 1,113,947; Oct. 20; Gaz. vol. 207; p. 618.
- Soldering implement. L. Balogh and G. Széles. No. 1,106,357; Aug. 11; Gaz. vol. 205; p. 311.
- Soldering-iron. L. L. Bivens and G. G. Hunter. No. 1,097,518; May 19; Gaz. vol. 202; p. 882.
- Soldering-iron. L. M. Lasley. No. 1,088,286; Feb. 24; Gaz. vol. 199; p. 1084.
- Soldering-iron. P. F. Reichhelm. No. 1,111,762; Sept. 29; Gaz. vol. 206; p. 1182.
- Soldering-iron. R. G. Vawter. No. 1,092,678; Apr. 7; Gaz. vol. 201; p. 191.
- Soldering-iron and blow-torch. Gasolene. J. C. Schmidt. No. 1,121,136; Dec. 15; Gaz. vol. 209; p. 864.
- Soldering-iron attachment. C. Hermann. No. 1,083,363; Jan. 6; Gaz. vol. 198; p. 34.
- Soldering-iron, Convertible. H. A. Paquette. No. 1,085,294; Jan. 27; Gaz. vol. 198; p. 777.
- Soldering-iron, Electric. J. C. Royce. No. 1,106,476; Aug. 11; Gaz. vol. 205; p. 354.
- Soldering-iron gun. H. F. Leitner. No. 1,092,725; Apr. 7; Gaz. vol. 201; p. 206.
- Soldering-iron, Self-heating. H. C. Balch. No. 1,108,666; Aug. 25; Gaz. vol. 205; p. 1216.
- Soldering-iron, Self-heating. G. J. Clautice. No. 1,102,997; July 7; Gaz. vol. 204; p. 267.
- Soldering-iron, Self-heating. J. L. Finnegan. No. 1,090,141; Mar. 17; Gaz. vol. 200; p. 592.
- Soldering-iron, Self-heating. R. W. Marvell. No. 1,107,813; Aug. 18; Gaz. vol. 205; p. 872.
- Soldering-iron, Self-heating. B. S. Suzuki. No. 1,113,846; Oct. 13; Gaz. vol. 207; p. 544.
- Soldering-machine. S. F. Bowser. No. 1,123,080; Dec. 29; Gaz. vol. 209; p. 1614.
- Soldering-machine. S. F. Bowser. No. 1,123,081; Dec. 29; Gaz. vol. 209; p. 1614.
- Soldering-machine. S. F. Bowser. No. 1,123,082; Dec. 29; Gaz. vol. 209; p. 1614.
- Soldering-machine. F. P. McColl. No. 1,103,067; July 14; Gaz. vol. 204; p. 341.
- Soldering machine, Can-. H. S. Bechtel. No. 1,104,767; July 28; Gaz. vol. 204; p. 1020.
- Soldering machine, Can-. R. G. Clark. No. 1,100,535; June 16; Gaz. vol. 203; p. 824.
- Soldering-tool. C. Willmott. No. 1,099,957; June 16; Gaz. vol. 203; p. 624.
- Soldering-tool, Assembling. J. E. Ebaugh. No. 1,093,552; Apr. 14; Gaz. vol. 201; p. 519.
- Soldering, welding, and the like, Apparatus for. L. Michaelis and E. Fernholz. No. 1,096,637; May 12; Gaz. vol. 202; p. 534.
- Sole and heel. B. F. Rhodes. No. 1,120,082; Dec. 8; Gaz. vol. 209; p. 442.
- Sole and soling material, Composite. G. F. Butterfield. No. 1,116,009; Nov. 3; Gaz. vol. 208; p. 186.
- Sole-cementing machine. I. L. Keith. No. 1,099,551; June 9; Gaz. vol. 203; p. 449.
- Sole cutting and marking machine. M. Cook, Jr. No. 1,113,544; Oct. 13; Gaz. vol. 207; p. 439.
- Sole-edge thickening machine. J. E. Collins. No. 1,093,035; Apr. 14; Gaz. vol. 201; p. 346.
- Sole-edge trimming and finishing tool. A. D. Frasca. No. 1,094,551; Apr. 28; Gaz. vol. 201; p. 958.
- Sole evening and grading machine. E. F. Nichols. No. 1,089,492; Mar. 10; Gaz. vol. 200; p. 328.
- Sole for boots and shoes and other uses. R. T. Elwell. No. 1,101,487; June 23; Gaz. vol. 203; p. 1206.
- Sole for shoes. Pneumatic. E. C. Kaye. No. 1,109,130; Sept. 1; Gaz. vol. 206; p. 96.
- Sole-leveling machine. P. A. Bowen. No. 1,117,775; Nov. 17; Gaz. vol. 208; p. 887.
- Sole-leveling machine. J. Gouldbourn. No. 1,114,253; Oct. 20; Gaz. vol. 207; p. 728.
- Sole-leveling machine. E. E. Winkley. No. 1,104,235; July 21; Gaz. vol. 204; p. 786.
- Sole-leveling machine. E. E. Winkley. No. 1,110,663; Sept. 15; Gaz. vol. 206; p. 722.
- Sole-machine. E. E. Winkley. No. 1,101,603; June 30; Gaz. vol. 203; p. 1297.
- Sole-molding machine. A. G. Brewer. No. 1,109,196; Sept. 1; Gaz. vol. 206; p. 121.
- Sole molding or bending machine, Shoe. W. C. Meyer. No. 1,110,637; Sept. 15; Gaz. vol. 206; p. 712.
- Sole-plate. J. J. Olbrantz and J. Emanuel. No. 1,114,022; Oct. 20; Gaz. vol. 207; p. 643.
- Sole-pressing machine. H. W. Eastham. No. 1,117,557; Nov. 17; Gaz. vol. 208; p. 808.
- Sole-pressing machine. E. N. Preble. No. 1,094,809; Apr. 28; Gaz. vol. 201; p. 1051.
- Sole-pressing machine. E. N. Preble. No. 1,098,401; June 2; Gaz. vol. 203; p. 15.
- Sole-pressing machine. E. N. Preble. No. 1,108,472; Aug. 25; Gaz. vol. 205; p. 1149.
- Sole protector, Boot and shoe. F. Genecand. No. 1,115,304; Oct. 27; Gaz. vol. 207; p. 1151.
- Sole-rolling machine. L. C. Colt. No. 1,097,845; May 26; Gaz. vol. 202; p. 1041.
- Sole-rolling machine. L. C. Colt. No. 1,102,389; July 7; Gaz. vol. 204; p. 59.
- Sole rounding and channeling machine. H. A. Ballard. No. 1,117,303; Nov. 17; Gaz. vol. 208; p. 720.
- Sole rounding and channeling machine. A. B. Fowler. No. 1,118,484; Nov. 24; Gaz. vol. 208; p. 1175.
- Sole-rounding machine. E. L. Hurd. No. 1,109,812; Sept. 8; Gaz. vol. 206; p. 388.
- Sole-rounding machine. G. Julian. No. 1,092,996; Apr. 14; Gaz. vol. 201; p. 334.
- Sole-rounding machine. G. Julian. No. 1,101,186; June 23; Gaz. vol. 203; p. 1102.
- Sole vulcanizing and applying apparatus, Shoe-. G. F. Butterfield. No. 1,111,436; Sept. 22; Gaz. vol. 206; p. 1032.
- Soles for spring-heel shoes, Making. A. H. Prenzel. No. 1,105,694; Aug. 4; Gaz. vol. 205; p. 38.
- Soles, Holder for cementing. G. E. Brittain. (Reissue.) No. 13,714; Apr. 21; Gaz. vol. 201; p. 849.
- Soles, Machine for operating upon. F. M. Furber. No. 1,111,791; Sept. 29; Gaz. vol. 206; p. 1193.
- Soles, Making. W. B. Greene. (Reissue.) No. 13,715; Apr. 21; Gaz. vol. 201; p. 850.
- Soles of boots and shoes, Device for moistening the. A. E. James. No. 1,113,638; Oct. 13; Gaz. vol. 207; p. 470.
- Soles of boots and shoes, Machine for setting, burnishing, and brushing the edges of the. Z. Beaudry. No. 1,113,089; Oct. 6; Gaz. vol. 207; p. 233.
- Solenoid-brake, Self-adjusting. E. Price. No. 1,096,454; May 12; Gaz. vol. 202; p. 472.
- Solids, Apparatus for liquid separation of. F. I. Du Pont. No. 1,106,195; Aug. 4; Gaz. vol. 205; p. 213.
- Solids, Automatic dispenser for. H. Becker. No. 1,098,083; May 26; Gaz. vol. 202; p. 1127.
- Solids from liquids, Obtaining the. I. S. and O. E. Merrill. No. 1,102,601; July 7; Gaz. vol. 204; p. 134.
- Solutions, Manufacturing an elastic foam from volatile. F. Laarmann. No. 1,089,482; Mar. 10; Gaz. vol. 200; p. 324.
- Solvent. W. E. Masland. No. 1,084,702; Jan. 20; Gaz. vol. 198; p. 540.
- Solvents, Manufacture of organic. H. Hibbert. No. 1,086,048; Feb. 3; Gaz. vol. 199; p. 168.
- Soot-blower. G. P. Brown. No. 1,086,751; Feb. 10; Gaz. vol. 199; p. 454.
- Sorter. C. E. Leeper. No. 1,091,675; Mar. 31; Gaz. vol. 200; p. 1192.
- Sorting documents, &c., Machine for. F. R. Frost and J. L. C. Rubardt. No. 1,122,897; Dec. 29; Gaz. vol. 209; p. 1549.
- Sorting heterogeneous material, Apparatus for. D. R. and J. W. Bryan. No. 1,099,420; June 9; Gaz. vol. 203; p. 405.
- Sound and image producing apparatus. H. H. Clubb and R. A. Whitehead. No. 1,094,704; Apr. 28; Gaz. vol. 201; p. 1015.
- Sound-box. J. W. Aylsworth. No. 1,115,374; Oct. 27; Gaz. vol. 207; p. 1173.
- Sound-box. G. L. Funnell. No. 1,104,182; July 21; Gaz. vol. 204; p. 768.
- Sound-box. E. R. Johnson. No. 1,118,348; Nov. 24; Gaz. vol. 208; p. 1124.
- Sound-box. T. H. Macdonald. No. 1,091,001; Mar. 24; Gaz. vol. 200; p. 920.
- Sound-box. H. C. Miller. No. 1,087,035; Feb. 10; Gaz. vol. 199; p. 550.
- Sound-box. P. J. Mukautz. No. 1,085,354; Jan. 27; Gaz. vol. 198; p. 799.
- Sound-box. P. Weber. No. 1,087,339; Feb. 17; Gaz. vol. 199; p. 708.
- Sound-box. C. E. Woods. No. 1,119,920; Dec. 8; Gaz. vol. 209; p. 387.
- Sound-box. W. W. Zackey. No. 1,092,552; Apr. 7; Gaz. vol. 201; p. 147.
- Sound-box and mounting therefor. T. H. Macdonald. No. 1,093,710; Apr. 21; Gaz. vol. 201; p. 618.
- Sound-box diaphragm. J. C. English. No. 1,091,202; Mar. 24; Gaz. vol. 200; p. 991.
- Sound-box for reproducing and recording sound-waves. R. L. Gibson. No. 1,118,647; Nov. 24; Gaz. vol. 208; p. 1230.
- Sound-damping intermediate layers, Making. O. Rothschild. No. 1,094,477; Apr. 28; Gaz. vol. 201; p. 934.
- Sound-effect machine. S. Lapin. No. 1,100,833; June 23; Gaz. vol. 203; p. 979.
- Sound-intensifier. C. D. Lyon. No. 1,114,496; Oct. 20; Gaz. vol. 207; p. 815.
- Sound-modifier. T. A. Edison. No. 1,110,382; Sept. 15; Gaz. vol. 206; p. 622.

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- Sound-operating mechanism. C. L. Metzger, J. A. Forster, and W. E. Kune. No. 1,101,497; June 23; Gaz. vol. 203; p. 1210.
- Sound-operating mechanism. C. L. Metzger, J. A. Forster, and W. E. Kune. No. 1,106,664; Aug. 11; Gaz. vol. 205; p. 422.
- Sound-producers, Control for mechanical. J. Gordon, Jr., and A. W. Stringham. No. 1,106,446; Aug. 11; Gaz. vol. 205; p. 341.
- Sound-producing device. H. A. Gaydon. No. 1,102,260; July 7; Gaz. vol. 204; p. 13.
- Sound-producing device. J. W. Timmons. No. 1,088,482; Feb. 24; Gaz. vol. 199; p. 1148.
- Sound-producing devices, Blower for. G. B. Dusenberre. No. 1,120,377; Dec. 8; Gaz. vol. 209; p. 548.
- Sound-producing diaphragm. S. D. Paddock. No. 1,102,291; July 7; Gaz. vol. 204; p. 25.
- Sound-producing instrument. R. Tikijian. No. 1,119,897; Dec. 8; Gaz. vol. 209; p. 378.
- Sound-proof boxes, Shutter for. R. Hope-Jones. No. 1,110,441; Sept. 15; Gaz. vol. 206; p. 643.
- Sound-record. T. A. Edison. No. 1,119,142; Dec. 1; Gaz. vol. 209; p. 85.
- Sound-record. V. H. Emerson. No. 1,107,502; Aug. 18; Gaz. vol. 205; p. 763.
- Sound-record and production thereof. V. H. Emerson. No. 1,084,415; Jan. 13; Gaz. vol. 198; p. 412.
- Sound-record, Composite-disk. V. H. Emerson, G. A. Manwaring, and J. K. Reynard. No. 1,102,253; July 7; Gaz. vol. 204; p. 11.
- Sound-record, Disk. V. H. Emerson. No. 1,113,973; Oct. 20; Gaz. vol. 207; p. 626.
- Sound-record material. V. H. Emerson. No. 1,084,138; Jan. 13; Gaz. vol. 198; p. 322.
- Sound-record, Metal. T. H. Macdonald. No. 1,114,010; Oct. 20; Gaz. vol. 207; p. 637.
- Sound-record molds, Forming. S. T. Moore. No. 1,097,985; May 26; Gaz. vol. 202; p. 1093.
- Sound-record molds, Making. T. A. Edison. No. 1,099,349; June 9; Gaz. vol. 203; p. 380.
- Sound-records, Making molds for. T. A. Edison. No. 1,118,114; Nov. 24; Gaz. vol. 208; p. 1043.
- Sound-records, Production of disk. F. L. Capps. No. 1,107,491; Aug. 18; Gaz. vol. 205; p. 760.
- Sound-records, Stylus-guiding attachment for. C. W. Ebeling. No. 1,112,406; Sept. 29; Gaz. vol. 206; p. 1406.
- Sound-records, Stylus-guiding attachment for. C. W. Ebeling. No. 1,112,407; Sept. 29; Gaz. vol. 206; p. 1406.
- Sound-records, Stylus-guiding attachment for. H. W. Rogers. No. 1,112,838; Oct. 6; Gaz. vol. 207; p. 149.
- Sound, Recording and reproducing. F. W. H. Clay. No. 1,101,906; June 30; Gaz. vol. 203; p. 1402.
- Sound-recording apparatus. J. Noll. No. 1,118,219; Nov. 24; Gaz. vol. 208; p. 1079.
- Sound-recording apparatus. H. W. Rogers. No. 1,119,317; Dec. 1; Gaz. vol. 209; p. 143.
- Sound-reproducer. T. A. Edison. No. 1,119,141; Dec. 1; Gaz. vol. 209; p. 84.
- Sound-reproducers, Diaphragm for. F. W. Thomas. No. 1,116,165; Nov. 3; Gaz. vol. 208; p. 239.
- Sound-reproducers, Diaphragm for. F. W. Thomas. No. 1,116,166; Nov. 3; Gaz. vol. 208; p. 240.
- Sound reproducing and recording instrument. H. G. Wieder. No. 1,102,839; July 7; Gaz. vol. 204; p. 216.
- Sound-reproducing apparatus. G. F. Norris. No. 1,120,841; Dec. 15; Gaz. vol. 209; p. 759.
- Sound-reproducing instruments, Attachment for. S. Dayan. No. 1,095,195; May 5; Gaz. vol. 202; p. 7.
- Sound-reproducing machine. A. S. B. Little. No. 1,108,451; Aug. 25; Gaz. vol. 205; p. 1141.
- Sound-reproducing machine. H. E. Markle. No. 1,111,716; Sept. 22; Gaz. vol. 206; p. 1130.
- Sound-reproducing machines, Automatic brake for. E. O. Klemm. No. 1,089,230; Mar. 3; Gaz. vol. 200; p. 192.
- Sound-reproducing machines, Automatic stop for. W. V. Gerster. No. 1,104,489; July 21; Gaz. vol. 204; p. 874.
- Sound-reproducing machines, Stylus for. G. Lehr. No. 1,103,592; July 14; Gaz. vol. 204; p. 524.
- Sound-transmitter. W. H. Cotton. No. 1,102,007; June 30; Gaz. vol. 203; p. 1439.
- Sound-transmitter, Electrical. M. E. Pearson. No. 1,088,923; Mar. 3; Gaz. vol. 200; p. 85.
- Sound-vibrations, Instrument for magnetically recording. J. C. Sherman. No. 1,123,147; Dec. 29; Gaz. vol. 209; p. 1638.
- Sounds by means of Hertzian waves, Transmitting. W. Harrison. No. 1,118,004; Nov. 24; Gaz. vol. 208; p. 1004.
- Sounds by means of Hertzian waves, Transmitting. W. Harrison. No. 1,122,594; Dec. 29; Gaz. vol. 209; p. 1441.
- Sounds, Transmitting of vocal and other. F. P. Herrguth. No. 1,086,530; Feb. 10; Gaz. vol. 199; p. 377.
- Sounder. E. C. Wood. No. 1,109,811; Sept. 8; Gaz. vol. 206; p. 377.
- Sounder. E. C. Wood. No. 1,112,106; Sept. 29; Gaz. vol. 206; p. 1300.
- Sounder, Electromagnetically-operated. C. J. Schwarze. No. 1,092,117; Mar. 31; Gaz. vol. 200; p. 1344.
- Sounding-machine. H. L. Waite. No. 1,094,763; Apr. 28; Gaz. vol. 201; p. 1035.
- Sounding-machine. H. L. Waite. No. 1,094,868; Apr. 28; Gaz. vol. 201; p. 1071.
- Sowing land-plaster, Machine for. W. A. Hermens. No. 1,103,768; July 14; Gaz. vol. 204; p. 585.
- Sowing-machine. T. Vega y Vega. No. 1,098,416; June 2; Gaz. vol. 203; p. 21.
- Space-block. H. Geisenhöner. No. 1,083,822; Jan. 6; Gaz. vol. 198; p. 185.
- Space-block for cross-arms. O. T. McEwen. No. 1,099,612; June 9; Gaz. vol. 203; p. 469.
- Spacer-bolt. G. Cousins. No. 1,108,888; Sept. 1; Gaz. vol. 206; p. 8.
- Spacing and clamping bolt, Longitudinally-adjustable. J. R. Gordon. No. 1,100,822; June 23; Gaz. vol. 203; p. 975.
- Spades and the like, Attachment for. J. F. Reeder. No. 1,098,460; June 2; Gaz. vol. 203; p. 36.
- Spanner or wrench. W. Endlein. No. 1,083,524; Jan. 6; Gaz. vol. 198; p. 87.
- Spark advancing and retarding mechanism. E. L. Pardee. No. 1,089,256; Mar. 3; Gaz. vol. 200; p. 199.
- Spark and cinder arrester, Locomotive. A. L. Johnson. No. 1,096,035; May 12; Gaz. vol. 202; p. 329.
- Spark-arrester. W. L. Buck. No. 1,091,283; Mar. 24; Gaz. vol. 200; p. 1017.
- Spark-arrester. E. A. Carey. No. 1,100,224; June 16; Gaz. vol. 203; p. 717.
- Spark-arrester. W. G. Chillis. No. 1,090,026; Mar. 10; Gaz. vol. 200; p. 512.
- Spark-arrester. R. M. Crosby. No. 1,108,710; Aug. 25; Gaz. vol. 205; p. 1231.
- Spark-arrester. G. E. Davidson. No. 1,118,844; Nov. 24; Gaz. vol. 208; p. 1296.
- Spark-arrester. F. Domowitch. No. 1,112,364; Sept. 29; Gaz. vol. 206; p. 1390.
- Spark-arrester. R. E. Jackson and F. E. Bell. No. 1,093,054; Apr. 14; Gaz. vol. 201; p. 353.
- Spark-arrester. R. Kurz. No. 1,101,556; June 30; Gaz. vol. 203; p. 1281.
- Spark-arrester. A. M. Lindsey. No. 1,122,288; Dec. 29; Gaz. vol. 209; p. 1338.
- Spark-arrester. S. E. Pfeister. No. 1,093,469; Apr. 14; Gaz. vol. 201; p. 494.
- Spark-arrester. L. A. Swem. No. 1,100,034; June 16; Gaz. vol. 203; p. 650.
- Spark-arrester. L. A. Swem. No. 1,100,035; June 16; Gaz. vol. 203; p. 651.
- Spark-arrester. G. Thomas. No. 1,118,452; Nov. 24; Gaz. vol. 208; p. 1163.
- Spark-arrester. J. W. Willing. No. 1,111,816; Sept. 29; Gaz. vol. 206; p. 1203.
- Spark-arrester. F. E. Young and C. A. Bragg. No. 1,086,973; Feb. 10; Gaz. vol. 199; p. 531.
- Spark-arrester and smoke-treating device. H. A. Weber. No. 1,109,884; Sept. 8; Gaz. vol. 206; p. 404.
- Spark-coil. C. R. Underhill. No. 1,095,437; May 5; Gaz. vol. 202; p. 90.
- Spark collector and distributor. M. Gerardy. No. 1,087,651; Feb. 17; Gaz. vol. 199; p. 819.
- Spark-controlling device for magneto ignition. H. H. Lanning. No. 1,106,953; Aug. 11; Gaz. vol. 205; p. 523.
- Spark-deflector. W. G. Sears. No. 1,101,887; June 30; Gaz. vol. 203; p. 1395.
- Spark-extinguisher. C. H. Oder and J. H. Baker. No. 1,119,448; Dec. 1; Gaz. vol. 209; p. 188.
- Spark-extinguisher. E. Thompson. No. 1,109,486; Sept. 1; Gaz. vol. 206; p. 221.
- Spark-extinguisher and smoke-consumer. P. Mulloy and H. Firminhac. No. 1,104,822; July 28; Gaz. vol. 204; p. 1039.
- Spark-gap. G. F. Knorr. No. 1,111,963; Sept. 29; Gaz. vol. 206; p. 1252.
- Spark-indicator. C. D. Bremer and J. L. Mooney. No. 1,096,151; May 12; Gaz. vol. 202; p. 368.
- Spark-plug. J. D. Barmore. No. 1,092,687; Apr. 7; Gaz. vol. 201; p. 193.
- Spark-plug. C. W. Beck. No. 1,084,838; Jan. 20; Gaz. vol. 198; p. 585.
- Spark-plug. C. W. Beck. No. 1,093,598; Apr. 21; Gaz. vol. 201; p. 577.
- Spark-plug. A. G. and A. J. Bergstrom. No. 1,098,705; June 2; Gaz. vol. 203; p. 120.
- Spark-plug. W. M. T. Besson. No. 1,100,650; June 16; Gaz. vol. 203; p. 861.
- Spark-plug. W. T. M. Besson. No. 1,119,674; Dec. 1; Gaz. vol. 209; p. 266.
- Spark-plug. R. R. Brown. No. 1,098,093; May 26; Gaz. vol. 202; p. 1130.
- Spark-plug. H. J. Butler and L. P. Casper. No. 1,116,238; Nov. 3; Gaz. vol. 208; p. 263.
- Spark-plug. P. T. Campbell. No. 1,101,834; June 30; Gaz. vol. 203; p. 1376.
- Spark-plug. A. J. Champion. No. 1,094,528; Apr. 28; Gaz. vol. 201; p. 950.
- Spark-plug. E. W. Cole. No. 1,105,064; July 28; Gaz. vol. 204; p. 1122.
- Spark-plug. C. M. Conklin. No. 1,093,113; Apr. 14; Gaz. vol. 201; p. 374.
- Spark-plug. A. De Clairmont. No. 1,085,024; Jan. 20; Gaz. vol. 198; p. 647.

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- Spark-plug. F. M. Furber. No. 1,084,543; Jan. 13; Gaz. vol. 198; p. 453.
- Spark-plug. E. C. Gingrich. No. 1,116,584; Nov. 10; Gaz. vol. 208; p. 426.
- Spark-plug. J. J. Hagen. No. 1,115,526; Nov. 3; Gaz. vol. 208; p. 20.
- Spark-plug. F. E. Harter. No. 1,090,815; Mar. 17; Gaz. vol. 200; p. 823.
- Spark-plug. N. J. Hoag and H. E. Vosburgh. No. 1,120,384; Dec. 8; Gaz. vol. 209; p. 550.
- Spark-plug. E. Holzworth. No. 1,093,423; Apr. 14; Gaz. vol. 201; p. 480.
- Spark-plug. M. G. Kopf. No. 1,086,327; Feb. 3; Gaz. vol. 199; p. 259.
- Spark-plug. G. A. Long. No. 1,114,157; Oct. 20; Gaz. vol. 207; p. 692.
- Spark-plug. J. R. McDowell. No. 1,089,244; Mar. 3; Gaz. vol. 200; p. 196.
- Spark-plug. E. McFarland and E. C. Churning. No. 1,103,797; July 14; Gaz. vol. 204; p. 595.
- Spark-plug. A. D. Melanson. No. 1,101,137; June 23; Gaz. vol. 203; p. 1086.
- Spark-plug. C. F. Meyer. No. 1,109,004; Sept. 1; Gaz. vol. 206; p. 52.
- Spark-plug. F. J. Muldoon. No. 1,122,297; Dec. 29; Gaz. vol. 209; p. 1341.
- Spark-plug. E. J. Noble. No. 1,110,813; Sept. 15; Gaz. vol. 206; p. 774.
- Spark-plug. J. J. Platt. No. 1,088,620; Feb. 24; Gaz. vol. 199; p. 1192.
- Spark-plug. E. C. Rauch. No. 1,098,637; June 2; Gaz. vol. 203; p. 96.
- Spark-plug. C. E. Talbert. No. 1,087,897; Feb. 17; Gaz. vol. 199; p. 902.
- Spark-plug. H. S. Thomasson. No. 1,107,634; Aug. 18; Gaz. vol. 205; p. 810.
- Spark-plug. J. F. Tracy. No. 1,093,744; Apr. 21; Gaz. vol. 201; p. 628.
- Spark-plug. H. F. Whalton. No. 1,116,655; Nov. 10; Gaz. vol. 208; p. 453.
- Spark-plug. W. S. Witter. No. 1,092,322; Apr. 7; Gaz. vol. 201; p. 69.
- Spark-plug. W. S. Witter. No. 1,104,159; July 21; Gaz. vol. 204; p. 759.
- Spark-plug. H. H. Young. No. 1,114,219; Oct. 20; Gaz. vol. 207; p. 715.
- Spark-plug and air-compressor. D. B. Combs. No. 1,091,295; Mar. 24; Gaz. vol. 200; p. 1020.
- Spark-plug and vaporizer for internal-combustion engines, Combined. J. C. Henderson. No. 1,099,365; June 9; Gaz. vol. 203; p. 386.
- Spark-plug cleaner. H. E. Solbrig. No. 1,117,102; Nov. 10; Gaz. vol. 208; p. 608.
- Spark-plug, Explosive-engine. M. T. Minogue. No. 1,119,302; Dec. 1; Gaz. vol. 209; p. 138.
- Spark-plug, primer, and indicator, Combined. A. P. Seiss and G. W. Rohrig. No. 1,108,009; Aug. 18; Gaz. vol. 205; p. 940.
- Spark-plug tester and terminal. H. Dalitz. No. 1,107,498; Aug. 18; Gaz. vol. 205; p. 762.
- Spark-plug with priming device. I. V. Beam. No. 1,098,214; May 26; Gaz. vol. 202; p. 1171.
- Spark-plugs, Terminal connector for. C. W. Beck. No. 1,108,674; Aug. 25; Gaz. vol. 205; p. 1219.
- Spark-plug device. S. Wheatley and C. B. Larmon. No. 1,088,388; Feb. 24; Gaz. vol. 199; p. 1117.
- Spark-plug. B. T. Ferguson and R. F. Fenton. No. 1,103,187; July 14; Gaz. vol. 204; p. 385.
- Spark-plug. O. Freiberg. No. 1,106,703; Aug. 11; Gaz. vol. 205; p. 434.
- Spark-plug, Make-and-break. G. Nagel. No. 1,095,664; May 5; Gaz. vol. 202; p. 168.
- Spear. Fish-. F. D. Kratochwill. No. 1,110,213; Sept. 8; Gaz. vol. 206; p. 522.
- Specific gravity, Apparatus for determining. B. R. Jolly. (Reissue.) No. 13,745; June 9; Gaz. vol. 203; p. 572.
- Spectacle-frame. F. A. Persohn. No. 1,083,702; Jan. 6; Gaz. vol. 198; p. 147.
- Spectacle-frame. C. Teske. No. 1,116,514; Nov. 10; Gaz. vol. 208; p. 400.
- Spectacle-glass. B. M. Hanna. No. 1,103,962; July 21; Gaz. vol. 204; p. 694.
- Spectacles. N. M. Baker. No. 1,115,482; Nov. 3; Gaz. vol. 208; p. 5.
- Spectacles. S. C. Laffin. No. 1,098,911; June 2; Gaz. vol. 203; p. 189.
- Spectacles. E. Riggs. No. 1,092,290; Apr. 7; Gaz. vol. 201; p. 58.
- Spectacles. C. F. Sperry. No. 1,099,404; June 9; Gaz. vol. 203; p. 399.
- Spectacles. J. C. Wells. No. 1,108,957; Sept. 1; Gaz. vol. 206; p. 35.
- Spectacles, Adjustable and detachable bow for. E. Blanchard. No. 1,084,064; Jan. 13; Gaz. vol. 198; p. 297.
- Spectacles and eyeglasses. S. C. Laffin. No. 1,097,337; May 19; Gaz. vol. 202; p. 822.
- Spectacles and eyeglasses. J. C. Wells. No. 1,090,181; Mar. 17; Gaz. vol. 200; p. 607.
- Spectacles, eyeglasses, and the like, Frame for. H. Haase. No. 1,109,285; Sept. 1; Gaz. vol. 206; p. 152.
- Spectacles, Mounting for. L. F. Adt. No. 1,098,366; June 2; Gaz. vol. 203; p. 3.
- Speculum. F. C. Joutas. No. 1,094,575; Apr. 28; Gaz. vol. 201; p. 967.
- Speculum. F. P. Nourse. No. 1,090,746; Mar. 17; Gaz. vol. 200; p. 800.
- Speculum. F. E. P'Pool. No. 1,110,818; Sept. 15; Gaz. vol. 206; p. 776.
- Speculum, Vaginal. F. H. Boucher. No. 1,119,794; Dec. 8; Gaz. vol. 209; p. 343.
- Speed and distance indicating and recording mechanism. T. M. Foote. No. 1,101,840; June 30; Gaz. vol. 203; p. 1378.
- Speed changing and controlling device. A. Spear. No. 1,121,413; Dec. 15; Gaz. vol. 209; p. 958.
- Speed-changing device. F. N. Connet. No. 1,103,923; July 14; Gaz. vol. 204; p. 638.
- Speed-changing device. A. Fretz. No. 1,112,205; Sept. 29; Gaz. vol. 206; p. 1335.
- Speed-changing device. E. Woerner. No. 1,103,335; July 14; Gaz. vol. 204; p. 435.
- Speed-changing mechanism. J. C. Dorr. No. 1,115,058; Oct. 27; Gaz. vol. 207; p. 1064.
- Speed-changing mechanism. C. W. Hottmann. No. 1,113,635; Oct. 13; Gaz. vol. 207; p. 469.
- Speed-changing mechanism. O. Schnitzler. No. 1,092,297; Apr. 7; Gaz. vol. 201; p. 61.
- Speed-changing mechanism, Differentially-g geared. F. I. and B. P. Remy and A. Berger. No. 1,090,411; Mar. 17; Gaz. vol. 200; p. 688.
- Speed-check. F. S. Howell. No. 1,110,784; Sept. 15; Gaz. vol. 206; p. 763.
- Speed-comparing device. R. Miller, Jr. No. 1,091,686; Mar. 31; Gaz. vol. 200; p. 1195.
- Speed-control for motors. S. K. Evans. No. 1,117,361; Nov. 17; Gaz. vol. 208; p. 740.
- Speed-controller. A. A. Miller. No. 1,100,143; June 16; Gaz. vol. 203; p. 689.
- Speed-controller. E. E. Norton. No. 1,110,293; Sept. 8; Gaz. vol. 206; p. 551.
- Speed-controller and brake, Combined. T. Douglas. No. 1,121,485; Dec. 15; Gaz. vol. 209; p. 983.
- Speed-controlling device. K. L. Harter and H. T. Reynolds. No. 1,111,748; Sept. 29; Gaz. vol. 206; p. 1176.
- Speed-controlling device. C. Ryden. No. 1,089,793; Mar. 10; Gaz. vol. 200; p. 431.
- Speed-controlling means. H. A. Mavor. No. 1,092,797; Apr. 7; Gaz. vol. 201; p. 231.
- Speed device, Electromechanical variable-. H. H. Cutler and F. S. Wilhoit. No. 1,122,483; Dec. 29; Gaz. vol. 209; p. 1402.
- Speed device, Variable-. R. W. Martin. No. 1,115,000; Oct. 27; Gaz. vol. 207; p. 1043.
- Speed device, Variable-. C. Ryden. No. 1,085,942; Feb. 3; Gaz. vol. 199; p. 129.
- Speed-governor for prime movers. G. Rennerfelt. No. 1,105,696; Aug. 4; Gaz. vol. 205; p. 38.
- Speed indicating and recording device. W. K. Menns. No. 1,089,246; Mar. 3; Gaz. vol. 200; p. 196.
- Speed indicating and signaling device. J. Coplon. No. 1,117,335; Nov. 17; Gaz. vol. 208; p. 731.
- Speed-indicating instrument. C. H. Warner and A. B. Cadman. No. 1,088,948; Mar. 3; Gaz. vol. 200; p. 95.
- Speed-indicating mechanism. B. M. W. Hanson and W. T. Sears. No. 1,086,528; Feb. 10; Gaz. vol. 199; p. 376.
- Speed-indicator. E. W. Cash. No. 1,102,319; July 7; Gaz. vol. 204; p. 34.
- Speed-indicator. R. Cronley and F. G. Axtell. No. 1,087,217; Feb. 17; Gaz. vol. 199; p. 666.
- Speed-indicator. L. C. Duncan. No. 1,092,828; Apr. 14; Gaz. vol. 201; p. 277.
- Speed-indicator. T. Hooker. No. 1,086,665; Feb. 10; Gaz. vol. 199; p. 424.
- Speed-indicator. C. B. Sala. No. 1,116,848; Nov. 10; Gaz. vol. 208; p. 521.
- Speed-indicator. J. K. Stewart. No. 1,118,964; Dec. 1; Gaz. vol. 209; p. 21.
- Speed-indicator. E. Thomson. No. 1,095,131; Apr. 28; Gaz. vol. 201; p. 1160.
- Speed-indicator. H. H. Welch. No. 1,084,587; Jan. 13; Gaz. vol. 198; p. 471.
- Speed-indicator for calling devices. J. Erickson. No. 1,112,994; Oct. 6; Gaz. vol. 207; p. 202.
- Speed indicator for continuous or alternating current motors. M. C. A. Latour. No. 1,117,144; Nov. 10; Gaz. vol. 208; p. 623.
- Speed-indicator for passing vehicles. R. M. Dean. No. 1,098,358; May 26; Gaz. vol. 202; p. 1222.
- Speed-indicator ships' logs, Navigator's. H. H. Cummings. No. 1,083,597; Jan. 6; Gaz. vol. 198; p. 112.
- Speed-measure. F. N. Lambert. No. 1,110,698; Sept. 15; Gaz. vol. 206; p. 734.
- Speed measuring and controlling device. J. H. Core. No. 1,110,900; Sept. 15; Gaz. vol. 206; p. 806.
- Speed-measuring device. W. H. Pratt. No. 1,092,452; Apr. 7; Gaz. vol. 201; p. 114.
- Speed mechanism, Change-. G. O. Leopold. No. 1,103,784; July 14; Gaz. vol. 204; p. 591.

Alphabetical list of inventions—Continued.

- Speed mechanism for metal-working machines, Variable-. J. Hartness. No. 1,090,300; Mar. 17; Gaz. vol. 200; p. 649.
- Speed mechanism, Variable-. J. Arnott. No. 1,096,409; May 12; Gaz. vol. 202; p. 457.
- Speed mechanism, Variable-. J. Becker. No. 1,115,487; Nov. 3; Gaz. vol. 208; p. 7.
- Speed mechanism, Variable-. J. H. Brimson. No. 1,101,681; June 30; Gaz. vol. 203; p. 1324.
- Speed mechanism, Variable-. J. Gell. No. 1,108,741; Aug. 25; Gaz. vol. 205; p. 1242.
- Speed mechanism, Variable-. C. T. Henderson. No. 1,122,924; Dec. 29; Gaz. vol. 209; p. 1558.
- Speed mechanism, Variable-. L. Huffman. No. 1,107,613; Aug. 18; Gaz. vol. 205; p. 802.
- Speed mechanism, Variable-. R. K. Le Blond and W. F. Groene. No. 1,090,484; Mar. 17; Gaz. vol. 200; p. 714.
- Speed mechanism, Variable-. R. C. Townsend. No. 1,098,697; June 2; Gaz. vol. 203; p. 117.
- Speed of electric motors. Method of and apparatus for indicating the. E. F. W. Alexanderson. No. 1,100,280; June 16; Gaz. vol. 203; p. 737.
- Speed of motor-cars to be regulated and the excess of speed recorded. Apparatus enabling the. A. R. A. G. de Recondo. No. 1,100,254; June 16; Gaz. vol. 203; p. 727.
- Speed of trains. Automatic control for the. R. A. and J. A. Rice. No. 1,122,643; Dec. 29; Gaz. vol. 209; p. 1459.
- Speed-reducer. A. I. Rissir. No. 1,104,223; July 21; Gaz. vol. 204; p. 782.
- Speed-reducing and stopping mechanism. G. Koch. No. 1,098,041; May 26; Gaz. vol. 202; p. 1112.
- Speed-regulating device. C. G. Sprado. No. 1,112,394; Sept. 29; Gaz. vol. 206; p. 1402.
- Speed-regulating mechanism. E. L. Orcutt. No. 1,114,644; Oct. 20; Gaz. vol. 207; p. 863.
- Speed-regulation system. L. E. Bogen. No. 1,113,094; Oct. 6; Gaz. vol. 207; p. 234.
- Speed-regulator. L. Johnson. No. 1,109,530; Sept. 1; Gaz. vol. 206; p. 235.
- Speed-regulator. H. A. Laycock. No. 1,100,748; June 23; Gaz. vol. 203; p. 949.
- Speed-regulator. H. L. Ogg. No. 1,106,156; Aug. 4; Gaz. vol. 205; p. 200.
- Speed-regulator. E. E. Woodward. No. 1,106,434; Aug. 11; Gaz. vol. 205; p. 337.
- Speed-transmission device, Hydraulic variable-. E. Ciarlo. No. 1,111,994; Sept. 29; Gaz. vol. 206; p. 1262.
- Speed-transmission device, Variable-. C. E. Clark. No. 1,083,348; Jan. 6; Gaz. vol. 198; p. 30.
- Speed-transmission gearing, Fluid-controlled variable-. W. E. Scheibner. No. 1,119,320; Dec. 1; Gaz. vol. 209; p. 144.
- Speed-transmission mechanism, Variable-. C. Lea. No. 1,090,401; Mar. 17; Gaz. vol. 200; p. 684.
- Speed-transmitting device, Variable-. M. E. Pearson and L. F. Lane. No. 1,115,971; Nov. 3; Gaz. vol. 208; p. 172.
- Speed-varying mechanism. D. C. Woodworth. No. 1,122,563; Dec. 29; Gaz. vol. 209; p. 1430.
- Speeders. Equalizing device for. J. Jackson. No. 1,111,466; Sept. 22; Gaz. vol. 206; p. 1043.
- Speedometer. S. A. Asquith. No. 1,093,166; Apr. 14; Gaz. vol. 201; p. 393.
- Speedometer. W. M. Heaton. No. 1,120,482; Dec. 8; Gaz. vol. 209; p. 586.
- Speedometer. A. Hoffecker. No. 1,087,658; Feb. 17; Gaz. vol. 199; p. 822.
- Speedometer. H. Hornig. No. 1,116,282; Nov. 3; Gaz. vol. 208; p. 277.
- Speedometer. W. O. Nelson. No. 1,090,938; Mar. 24; Gaz. vol. 200; p. 898.
- Speedometer. E. C. Oliver. No. 1,092,590; Apr. 7; Gaz. vol. 201; p. 161.
- Speedometer. A. F. Poole. No. 1,110,143; Sept. 8; Gaz. vol. 206; p. 499.
- Speedometer. J. Whitcomb. No. 1,091,410; Mar. 24; Gaz. vol. 200; p. 1057.
- Speedometer-alarm. A. Picken. No. 1,104,704; July 21; Gaz. vol. 204; p. 948.
- Speedometer attachment. A. E. Cole. No. 1,118,742; Nov. 24; Gaz. vol. 208; p. 1263.
- Speedometer, Centrifugal. C. S. Burton. No. 1,089,746; Mar. 10; Gaz. vol. 200; p. 415.
- Speedometer-drive for vehicles. F. E. Watts and D. T. Hastings. No. 1,088,048; Feb. 24; Gaz. vol. 199; p. 1002.
- Speedometer for motor-cycles. J. Taylor. No. 1,102,364; July 7; Gaz. vol. 204; p. 49.
- Speedometer-indicator, Illuminating. J. Parkinson. No. 1,116,619; Nov. 10; Gaz. vol. 208; p. 439.
- Speedometer, Recording-. C. and P. Knopf. No. 1,097,590; May 19; Gaz. vol. 202; p. 906.
- Speedometer, Recording-. C. and P. Knopf. No. 1,097,591; May 19; Gaz. vol. 202; p. 907.
- Speedometer shaft-coupling. G. D. Peebles. No. 1,111,670; Sept. 22; Gaz. vol. 206; p. 1114.
- Speedoscope. L. C. Duncan. No. 1,105,411; July 28; Gaz. vol. 204; p. 1246.
- Spelling-board. A. E. Jacobs. No. 1,094,570; Apr. 28; Gaz. vol. 201; p. 965.
- Sphere, Sidereal. D. R. Scholes. No. 1,099,315; June 9; Gaz. vol. 203; p. 367.
- Sphere-testing device. E. E. Dungan and D. B. Johnson. No. 1,099,917; June 16; Gaz. vol. 203; p. 610.
- Spherically, chromatically, astigmatically, and comatically corrected double objective. W. Zschokke. No. 1,108,307; Aug. 25; Gaz. vol. 205; p. 1093.
- Spherometer. J. Becker. No. 1,093,307; Apr. 14; Gaz. vol. 201; p. 443.
- Sphygmomanometer. P. Nicholson. No. 1,093,199; Apr. 14; Gaz. vol. 201; p. 404.
- Sphygmomanometer. P. Nicholson. No. 1,094,464; Apr. 28; Gaz. vol. 201; p. 929.
- Sphygmomanometer. C. J. Pilling. No. 1,119,369; Dec. 1; Gaz. vol. 209; p. 162.
- Spigot. J. C. Dujat. No. 1,087,001; Feb. 10; Gaz. vol. 199; p. 540.
- Spigot. F. W. Mennickhein, Jr. No. 1,107,435; Aug. 18; Gaz. vol. 205; p. 740.
- Spigot, Drain-. P. T. Coffield. No. 1,098,712; June 2; Gaz. vol. 203; p. 122.
- Spigot or faucet. M. M. Leonard. No. 1,095,003; Apr. 28; Gaz. vol. 201; p. 1119.
- Spike. N. Abramson. No. 1,108,483; Aug. 25; Gaz. vol. 205; p. 1154.
- Spike. G. M. Brox and H. S. Knight. No. 1,106,622; Aug. 11; Gaz. vol. 205; p. 407.
- Spike. J. D. Crites. No. 1,121,484; Dec. 15; Gaz. vol. 209; p. 983.
- Spike. R. W. Davis. No. 1,119,686; Dec. 1; Gaz. vol. 209; p. 270.
- Spike. C. A. Forrest. No. 1,088,560; Feb. 24; Gaz. vol. 199; p. 1173.
- Spike. E. Haeussner. No. 1,113,004; Oct. 6; Gaz. vol. 207; p. 206.
- Spike. A. E. Halladay. No. 1,120,934; Dec. 15; Gaz. vol. 209; p. 792.
- Spike. C. W. McKently. No. 1,118,431; Nov. 24; Gaz. vol. 208; p. 1155.
- Spike. H. Norris. No. 1,111,720; Sept. 22; Gaz. vol. 206; p. 1132.
- Spike. C. Read. No. 1,112,557; Oct. 6; Gaz. vol. 207; p. 52.
- Spike. C. D. Russell. No. 1,103,542; July 14; Gaz. vol. 204; p. 503.
- Spike. J. Sertell and W. F. Ryan. No. 1,112,849; Oct. 6; Gaz. vol. 207; p. 153.
- Spike. T. Starbuck. No. 1,114,305; Oct. 20; Gaz. vol. 207; p. 745.
- Spike. F. H. Walter. No. 1,112,871; Oct. 6; Gaz. vol. 207; p. 161.
- Spike. C. M. Wickham. No. 1,092,683; Apr. 7; Gaz. vol. 201; p. 192.
- Spike. S. C. Wood. No. 1,097,495; May 19; Gaz. vol. 202; p. 875.
- Spike-fastening means. L. H. Kirk. No. 1,115,438; Oct. 27; Gaz. vol. 207; p. 1194.
- Spike-lock. C. C. Dinger and G. B. Goucher. No. 1,095,626; May 5; Gaz. vol. 202; p. 154.
- Spike-puller. C. H. Kugler. No. 1,093,863; Apr. 21; Gaz. vol. 201; p. 668.
- Spike-retainer. J. E. Rorke. No. 1,103,317; July 14; Gaz. vol. 204; p. 428.
- Spike, Self-locking. G. I. De Force and M. Dryfoos. No. 1,084,405; Jan. 13; Gaz. vol. 198; p. 409.
- Spike, Self-retaining. G. Galligan. No. 1,118,544; Nov. 24; Gaz. vol. 208; p. 1195.
- Spillway, Automatic. C. Schalles. No. 1,085,491; Jan. 27; Gaz. vol. 198; p. 842.
- Spillway, Siphon-. W. R. Davis and G. F. Stickney. No. 1,083,995; Jan. 13; Gaz. vol. 198; p. 273.
- Spindle. See Axle - spindle; Knob - spindle; Spinning - machine spindle.
- Spindle-adjusting mechanism. R. S. Brown. No. 1,103,479; July 14; Gaz. vol. 204; p. 483.
- Spindle drill, Multiple-. W. E. Elliott. No. 1,103,180; July 14; Gaz. vol. 204; p. 382.
- Spindle-driving mechanism. A. H. Morton. No. 1,101,874; June 30; Gaz. vol. 203; p. 1391.
- Spindle-driving mechanism. A. E. Newton. No. 1,105,529; July 28; Gaz. vol. 204; p. 1286.
- Spindle-lubricator. A. J. Britt. No. 1,093,970; Apr. 21; Gaz. vol. 201; p. 702.
- Spindle-mounting. J. Parker. No. 1,119,311; Dec. 1; Gaz. vol. 209; p. 141.
- Spindle-skein lubricator. J. M. Whitworth. No. 1,107,469; Aug. 18; Gaz. vol. 205; p. 752.
- Spindle-step. J. R. Mitchell. No. 1,088,919; Mar. 3; Gaz. vol. 200; p. 84.
- Spindle, Two-part. J. H. Hodde and O. White. No. 1,119,654; Dec. 1; Gaz. vol. 209; p. 292.
- Spindles, Driving. P. Schlitte. No. 1,092,666; Apr. 7; Gaz. vol. 201; p. 187.
- Spindles, Feed for drill-. R. Milne. No. 1,119,625; Dec. 1; Gaz. vol. 209; p. 250.
- Spindles, Stopping device for winding-. S. W. Wardwell. No. 1,097,691; May 26; Gaz. vol. 202; p. 987.
- Spinning and doubling machines, Spindle and filer for. W. T. Smith. No. 1,086,233; Feb. 3; Gaz. vol. 199; p. 230.

Alphabetical list of inventions—Continued.

- Spinning and ring-doubling machines, Thread-winding apparatus for ring-. J. F. Roth. No. 1,121,538; Dec. 15; Gaz. vol. 209; p. 1000.
- Spinning and twisting frame. P. Saracco. No. 1,096,059; May 12; Gaz. vol. 202; p. 338.
- Spinning and winding machine. H. W. Owen. No. 1,119,530; Dec. 1; Gaz. vol. 209; p. 218.
- Spinning apparatus, Yarn-. A. Avery. No. 1,113,286; Oct. 13; Gaz. vol. 207; p. 347.
- Spinning, doubling, and the like, Flier-frame for. J. S. Gaunt and H. Dyson. No. 1,103,194; July 14; Gaz. vol. 204; p. 387.
- Spinning-frame. F. Casablancas. No. 1,092,631; Apr. 7; Gaz. vol. 201; p. 176.
- Spinning-frame device. J. D. Ezell and J. G. King. No. 1,104,881; July 28; Gaz. vol. 204; p. 1059.
- Spinning-frame doffer. B. A. Peterson. No. 1,120,626; Dec. 8; Gaz. vol. 209; p. 637.
- Spinning-frame roving-stop. E. J. Vales. No. 1,103,329; July 14; Gaz. vol. 204; p. 432.
- Spinning-frame stop-motion. E. G. Brookshire and H. G. Wiles. No. 1,108,127; Aug. 25; Gaz. vol. 205; p. 1029.
- Spinning-frame tension device. R. G. Carle. No. 1,106,280; Aug. 4; Gaz. vol. 205; p. 239.
- Spinning-frames, Machine for doffing. B. A. Peterson. No. 1,115,564; Nov. 3; Gaz. vol. 208; p. 33.
- Spinning-frames, Saddle for the top rolls of. R. L. Reynolds and A. D. McGraw. No. 1,104,932; July 28; Gaz. vol. 204; p. 1077.
- Spinning-machine. W. W. Caldwell. No. 1,122,231; Dec. 22; Gaz. vol. 209; p. 1278.
- Spinning-machine. W. Hartley. No. 1,113,434; Oct. 13; Gaz. vol. 207; p. 401.
- Spinning-machine. H. Ryder. No. 1,113,489; Oct. 13; Gaz. vol. 207; p. 421.
- Spinning-machine. A. L. Schoelles. No. 1,103,160; July 14; Gaz. vol. 204; p. 375.
- Spinning-machine doffing mechanism. T. O. Aked. No. 1,090,958; Mar. 24; Gaz. vol. 200; p. 906.
- Spinning-machine guide-wire. J. P. O'Connell. No. 1,117,596; Nov. 17; Gaz. vol. 208; p. 821.
- Spinning-machine power control. F. E. Bates. No. 1,109,195; Sept. 1; Gaz. vol. 206; p. 120.
- Spinning-machine roving-clamp. G. F. Roberts. No. 1,088,036; Feb. 24; Gaz. vol. 199; p. 998.
- Spinning-machine roving-clamp. G. F. Roberts. No. 1,110,716; Sept. 15; Gaz. vol. 206; p. 741.
- Spinning-machine spindle. V. J. Robidou. No. 1,116,844; Nov. 10; Gaz. vol. 208; p. 520.
- Spinning-machine thread-board. D. O. Pease. No. 1,118,226; Nov. 24; Gaz. vol. 208; p. 1081.
- Spinning machines, Appliance for use with ring-. H. and R. Staubli. No. 1,109,309; Sept. 1; Gaz. vol. 206; p. 160.
- Spinning machines, Building-motion for ring-. J. Poisson. No. 1,091,015; Mar. 24; Gaz. vol. 200; p. 925.
- Spinning-machines, Device for placing travelers on rings of. A. P. Hurt. No. 1,110,690; Sept. 15; Gaz. vol. 206; p. 731.
- Spinning-machines, Device for placing travelers on the rings of. A. P. Hurt. No. 1,110,691; Sept. 15; Gaz. vol. 206; p. 732.
- Spinning machines, Feeding device for horsehair-. N. Frank. No. 1,095,098; Apr. 28; Gaz. vol. 201; p. 1149.
- Spinning machinery. W. Cuttill and S. and P. Marshall. No. 1,095,458; May 5; Gaz. vol. 202; p. 97.
- Spinning-mule. W. Hamer and J. H. Howarth. No. 1,094,327; Apr. 21; Gaz. vol. 201; p. 820.
- Spinning-mule yarn-guide. J. Hilberger. No. 1,085,864; Feb. 3; Gaz. vol. 199; p. 101.
- Spinning-mules, Cop-forming mechanism for. G. C. Hawkins. No. 1,088,071; Feb. 24; Gaz. vol. 199; p. 1009.
- Spinning-mules, Reversing mechanism for the band-cylinders of. J. H. Ryalls. (Reissue.) No. 13,692; Feb. 24; Gaz. vol. 199; p. 1212.
- Spinning-mules, Reversing mechanism for the band-cylinders of. J. H. Ryalls. No. 1,094,100; Apr. 21; Gaz. vol. 201; p. 747.
- Spinning or twisting apparatus. L. W. Southgate. No. 1,122,167; Dec. 22; Gaz. vol. 209; p. 1256.
- Spinning or twisting machine. J. Good. No. 1,102,334; July 7; Gaz. vol. 204; p. 40.
- Spinning or twisting machine, Ring. A. E. Rhoades. No. 1,121,942; Dec. 22; Gaz. vol. 209; p. 1181.
- Spinning or winding machine. H. W. Owen. No. 1,119,310; Dec. 1; Gaz. vol. 209; p. 140.
- Spinning-ring. M. H. Maloney. No. 1,088,158; Feb. 24; Gaz. vol. 199; p. 1040.
- Spinning-ring holder. G. L. Pierce. No. 1,098,525; June 2; Gaz. vol. 203; p. 59.
- Spinning-ring holder. G. L. Pierce. No. 1,109,869; Sept. 8; Gaz. vol. 206; p. 398.
- Spinning screw-formed windings or curls of hair or like material, Device for. A. E. Möller. No. 1,114,016; Oct. 20; Gaz. vol. 207; p. 641.
- Spinning, twisting, and analogous machine. H. Shackleton. No. 1,090,757; Mar. 17; Gaz. vol. 200; p. 803.
- Spinning, twisting, and like machines, Spindle for. A. H. Morton. No. 1,101,877; June 30; Gaz. vol. 203; p. 1391.
- Spinning, twisting, and like machines, Thread-board for. A. H. Morton. No. 1,093,715; Apr. 21; Gaz. vol. 201; p. 620.
- Spinning, twisting, and like machines, Thread-board for. A. H. Morton. No. 1,101,876; June 30; Gaz. vol. 203; p. 1391.
- Spinning, twisting, or like machines, Roll-support for. H. E. Blanchard. No. 1,094,697; Apr. 28; Gaz. vol. 201; p. 1012.
- Spittoon-holder. F. Jr., and J. Sochurek. No. 1,092,869; Apr. 14; Gaz. vol. 201; p. 291.
- Spittoon-washing machine. O. W. Lundeen. No. 1,092,924; Apr. 14; Gaz. vol. 201; p. 310.
- Splash-board fastening. J. E. Gray. No. 1,104,792; July 28; Gaz. vol. 204; p. 1028.
- Splice-bar. S. E. Brady. No. 1,088,058; Feb. 24; Gaz. vol. 199; p. 1005.
- Splice-bar. S. B. Miller. No. 1,121,749; Dec. 22; Gaz. vol. 209; p. 1111.
- Splice-bar. A. Robiczek. No. 1,102,081; June 30; Gaz. vol. 203; p. 1465.
- Splice-bar. W. J. Smith. No. 1,107,123; Aug. 11; Gaz. vol. 205; p. 577.
- Splice-bars, Making. E. E. Slick. No. 1,121,676; Dec. 22; Gaz. vol. 209; p. 1087.
- Spint, Adjustable. J. F. Baughman. No. 1,089,305; Mar. 3; Gaz. vol. 200; p. 215.
- Split pins or cotter-pins, Machine for forming. I. J. Young. No. 1,106,484; Aug. 11; Gaz. vol. 205; p. 357.
- Splitting and scarfing machine. T. G. Smith. No. 1,095,293; May 5; Gaz. vol. 202; p. 41.
- Splitting-machine. A. W. Eaton and C. Pease. No. 1,115,059; Oct. 27; Gaz. vol. 207; p. 1064.
- Splitting-machine. F. M. Furber. No. 1,111,255; Sept. 22; Gaz. vol. 206; p. 971.
- Splitting or skiving machine. C. H. Bayley. No. 1,100,470; June 16; Gaz. vol. 203; p. 802.
- Splitting or skiving machine. C. Pease. No. 1,104,001; July 21; Gaz. vol. 204; p. 705.
- Spoke-socket and felly-fastener. P. H. Breeding. No. 1,100,348; June 16; Gaz. vol. 203; p. 760.
- Sponge-retaining and water-supplying device. C. Budal. No. 1,114,678; Oct. 20; Gaz. vol. 207; p. 875.
- Sponging and sprinkling cloth, Apparatus for. H. Peskin. No. 1,119,368; Dec. 1; Gaz. vol. 209; p. 162.
- Spool. G. W. Adams. No. 1,091,106; Mar. 24; Gaz. vol. 200; p. 957.
- Spool. J. C. Hoffman. No. 1,113,345; Oct. 13; Gaz. vol. 207; p. 368.
- Spool. W. Trent. No. 1,119,552; Dec. 1; Gaz. vol. 209; p. 226.
- Spool. A. Wold. No. 1,089,452; Mar. 10; Gaz. vol. 200; p. 313.
- Spool-blanks, &c., Machine for separating and feeding. L. S. Bisbee. No. 1,120,893; Dec. 15; Gaz. vol. 209; p. 778.
- Spool, Expanding carrier-. L. Zeni. No. 1,113,082; Oct. 6; Gaz. vol. 207; p. 231.
- Spool-head. O. F. Forsberg. No. 1,100,178; June 16; Gaz. vol. 203; p. 702.
- Spool-holder. R. Fraser. No. 1,112,692; Oct. 6; Gaz. vol. 207; p. 101.
- Spool-holder. S. Haas. No. 1,102,740; July 7; Gaz. vol. 204; p. 181.
- Spool-holder. E. Zimmerman and C. B. Britt. No. 1,114,568; Oct. 20; Gaz. vol. 207; p. 839.
- Spool holder and locking device. H. Goldberger. No. 1,100,477; June 16; Gaz. vol. 203; p. 805.
- Spool-magazine. E. Prince. No. 1,099,766; June 9; Gaz. vol. 203; p. 521.
- Spool or reel. D. Frisoli. No. 1,095,723; May 5; Gaz. vol. 202; p. 188.
- Spool-rack. W. J. Larimer. No. 1,103,302; July 14; Gaz. vol. 204; p. 423.
- Spool, Sheet-metal. G. W. Weber. No. 1,104,458; July 21; Gaz. vol. 204; p. 863.
- Spoolers, Tension-controlling means for. P. H. Donnelly. No. 1,105,969; Aug. 4; Gaz. vol. 205; p. 134.
- Spooling-machine-bobbin holder. H. W. Owen. No. 1,116,347; Nov. 3; Gaz. vol. 208; p. 300.
- Spooling or like machines, Stop-motion for. J. H. O'Connell. No. 1,094,344; Apr. 21; Gaz. vol. 201; p. 825.
- Spoon. W. H. Lechner. No. 1,108,767; Aug. 25; Gaz. vol. 205; p. 1250.
- Spoon. F. W. Rice. No. 1,095,469; May 5; Gaz. vol. 202; p. 102.
- Spoon. A. J. Tartiss. No. 1,108,813; Aug. 25; Gaz. vol. 205; p. 1265.
- Spoon, Green-corn. A. Taubert. No. 1,110,161; Sept. 8; Gaz. vol. 206; p. 505.
- Spoon-handle. S. B. Willis. No. 1,121,701; Dec. 22; Gaz. vol. 209; p. 1095.
- Spoon-holder. R. Trenowith. No. 1,113,918; Oct. 13; Gaz. vol. 207; p. 568.
- Spoon, Sanitary. R. D. Kunz. No. 1,111,910; Sept. 29; Gaz. vol. 206; p. 1237.
- Spot-light attachment. H. C. Daley and A. A. Taynor. No. 1,101,414; June 23; Gaz. vol. 203; p. 1180.
- Spot-setting machine. C. Niskanen. No. 1,100,088; June 16; Gaz. vol. 203; p. 670.

Alphabetical list of inventions—Continued.

- Spotting-cup, Cleaner's safety. C. C. Palmer. No. 1,098,524; June 2; Gaz. vol. 203; p. 59.
- Spout-guard and strainer. D. B. Rock. No. 1,118,235; Nov. 24; Gaz. vol. 208; p. 1084.
- Spout, Pouring-. G. W. Blake. No. 1,093,600; Apr. 21; Gaz. vol. 201; p. 578.
- Spout, Pouring-. G. W. Blake. No. 1,118,626; Nov. 24; Gaz. vol. 208; p. 1224.
- Spout, Sap-directing. C. L. Krager. No. 1,107,969; Aug. 18; Gaz. vol. 205; p. 925.
- Sprag. J. H. Lavers. No. 1,085,691; Feb. 3; Gaz. vol. 199; p. 39.
- Sprag-brake. E. F. Orner. No. 1,103,821; July 14; Gaz. vol. 204; p. 603.
- Spray, Bath-. H. E. Grabau. No. 1,102,736; July 7; Gaz. vol. 204; p. 180.
- Spray for mineral-washing, Movable. W. E. Darrow. No. 1,111,300; Sept. 22; Gaz. vol. 206; p. 986.
- Spray-nozzle. J. L. Fitts. No. 1,089,406; Mar. 10; Gaz. vol. 200; p. 296.
- Spray, Steam-vapor. W. H. Gough. No. 1,105,419; July 28; Gaz. vol. 204; p. 1249.
- Sprayer. A. B. Brown. No. 1,097,788; May 26; Gaz. vol. 202; p. 1023.
- Sprayer. H. S. Munson. No. 1,105,993; Aug. 4; Gaz. vol. 205; p. 142.
- Sprayer. J. Overbeke. No. 1,117,228; Nov. 17; Gaz. vol. 208; p. 693.
- Sprayer. A. R. Pritchard. No. 1,116,733; Nov. 10; Gaz. vol. 208; p. 479.
- Sprayer. T. Wang. No. 1,109,883; Sept. 8; Gaz. vol. 206; p. 404.
- Sprayer, Tree-. W. S. Boyce. No. 1,087,634; Feb. 17; Gaz. vol. 199; p. 813.
- Spraying apparatus. B. F. Cranwell. No. 1,095,710; May 5; Gaz. vol. 202; p. 183.
- Spraying apparatus. W. Cressy. No. 1,104,633; July 21; Gaz. vol. 204; p. 924.
- Spraying apparatus. C. Reichert. No. 1,089,083; Mar. 3; Gaz. vol. 200; p. 140.
- Spraying apparatus. H. C. Rich. No. 1,112,384; Sept. 29; Gaz. vol. 206; p. 1398.
- Spraying apparatus, Oil-. G. H. Gray. No. 1,097,090; May 19; Gaz. vol. 202; p. 736.
- Spraying apparatus or the like. E. L. Gross. No. 1,086,819; Feb. 10; Gaz. vol. 199; p. 478.
- Spraying apparatus, Portable liquid-. W. H. Gilmour. No. 1,122,099; Dec. 22; Gaz. vol. 209; p. 1235.
- Spraying-compound mixer. E. W. Grant. No. 1,122,735; Dec. 29; Gaz. vol. 209; p. 1491.
- Spraying device. H. Danielsen, F. A. Haase, Jr., and J. H. B. Shannon. No. 1,096,892; May 19; Gaz. vol. 202; p. 664.
- Spraying device. E. W. Gaube. No. 1,114,252; Oct. 20; Gaz. vol. 207; p. 727.
- Spraying device. R. Mackie. No. 1,098,160; May 26; Gaz. vol. 202; p. 1152.
- Spraying device. M. and C. G. Schneider. No. 1,092,865; Apr. 14; Gaz. vol. 201; p. 290.
- Spraying device, Automatic. J. H. B. Shannon. No. 1,122,544; Dec. 29; Gaz. vol. 209; p. 1424.
- Spraying device for the hair and scalp. H. Sopha. No. 1,089,596; Mar. 10; Gaz. vol. 200; p. 364.
- Spraying device, Multiple. A. E. Yerkes. No. 1,108,058; Aug. 18; Gaz. vol. 205; p. 958.
- Spraying gardens, roads, and the like. Apparatus for. D. Elder. No. 1,121,118; Dec. 22; Gaz. vol. 209; p. 1065.
- Spraying liquid metal. Apparatus for. G. Ostermann. No. 1,095,414; May 5; Gaz. vol. 202; p. 82.
- Spraying-machine. R. F. North. No. 1,091,952; Mar. 31; Gaz. vol. 200; p. 1289.
- Spraying machine, Dust-. H. D. Babcock, F. C. Wells, and J. W. Brown. No. 1,107,015; Aug. 11; Gaz. vol. 205; p. 541.
- Spraying machine, Dust-. G. C. and C. E. Johnson. No. 1,118,286; Nov. 24; Gaz. vol. 208; p. 1101.
- Spraying machine, Multiple-row plant-. I. Willis and O. F. Woodworth. No. 1,118,091; Nov. 24; Gaz. vol. 208; p. 1035.
- Spraying machine, Road-. J. A. Johnston. No. 1,101,936; June 30; Gaz. vol. 203; p. 1413.
- Spraying mechanism. A. A. Blomfeldt. No. 1,108,885; Sept. 1; Gaz. vol. 206; p. 7.
- Spraying oil on roads, Apparatus for. G. H. Gray. No. 1,097,091; May 19; Gaz. vol. 202; p. 736.
- Spreader. C. Hatter. No. 1,099,362; June 9; Gaz. vol. 203; p. 386.
- Spring. *See* Air-spring; Automobile-spring; Automobile auxiliary spring; Auxiliary spring; Balance-spring; Bed-spring; Bolster-spring; Car-seat spring; Chute-spring; Control-spring; Cross-spring; Cushion-spring; Door-spring; Door-holding spring; Elliptical spring; Gate-spring; Leaf-spring; Metal spring; Pedal-lever spring; Pneumatic spring; Seat-spring; Shock-absorbing spring; Vehicle-spring; Vehicle leaf-spring; Vehicle plate-spring; Vehicle suspension-spring; Watchcase-spring.
- Spring. J. H. Athons. No. 1,107,567; Aug. 18; Gaz. vol. 205; p. 786.
- Spring. L. A. Avera. No. 1,116,203; Nov. 3; Gaz. vol. 208; p. 252.
- Spring. C. P. Randolph. No. 1,112,095; Sept. 29; Gaz. vol. 206; p. 1296.
- Spring. F. G. Winkler. No. 1,096,582; May 12; Gaz. vol. 202; p. 514.
- Spring-actuated motor. A. Czarnikow. No. 1,096,829; May 19; Gaz. vol. 202; p. 641.
- Spring and shock-absorber. V. Andersen. No. 1,113,941; Oct. 20; Gaz. vol. 207; p. 616.
- Spring-attaching clip. P. J. Knauff. No. 1,104,678; July 21; Gaz. vol. 204; p. 939.
- Spring-bending press. A. A. Longaker and W. H. Markland. No. 1,114,699; Oct. 20; Gaz. vol. 207; p. 881.
- Spring-board. M. W. Bush. No. 1,090,836; Mar. 24; Gaz. vol. 200; p. 863.
- Spring-box. T. H. Symington. No. 1,103,632; July 14; Gaz. vol. 204; p. 538.
- Spring-clamp. C. A. Boreham. No. 1,097,386; May 19; Gaz. vol. 202; p. 838.
- Spring-clasp. J. Bonner. No. 1,085,103; Jan. 27; Gaz. vol. 198; p. 710.
- Spring-clip. T. I. A. Tomasini. No. 1,114,312; Oct. 20; Gaz. vol. 207; p. 748.
- Spring-clip and yoke. J. F. Holcombe. No. 1,091,513; Mar. 31; Gaz. vol. 200; p. 1137.
- Spring-clip, Vehicle. W. H. Smith. No. 1,097,370; May 19; Gaz. vol. 202; p. 833.
- Spring-coiling machine, Spiral-. E. Wagner. No. 1,122,447; Dec. 29; Gaz. vol. 209; p. 1390.
- Spring-compressing mechanism. L. Gerdirés. No. 1,114,601; Oct. 20; Gaz. vol. 207; p. 848.
- Spring construction for upholstered davenport, couches, and chairs. P. E. Kroehler. No. 1,122,283; Dec. 29; Gaz. vol. 209; p. 1336.
- Spring-contracting device. N. J. Hoag. No. 1,113,343; Oct. 13; Gaz. vol. 207; p. 368.
- Spring-coupling. E. Steinhart. No. 1,119,767; Dec. 1; Gaz. vol. 209; p. 296.
- Spring-coupling. K. Völler and E. Steinhart. No. 1,091,989; Mar. 31; Gaz. vol. 200; p. 1301.
- Spring-cushioned wheel. S. C. Hoen. No. 1,100,133; June 16; Gaz. vol. 203; p. 685.
- Spring-die. O. A. Smith. No. 1,111,412; Sept. 22; Gaz. vol. 206; p. 1024.
- Spring-equilibrator. G. L. Robertson. No. 1,088,298; Feb. 24; Gaz. vol. 199; p. 1087.
- Spring for spring-bearings. T. H. Miller. No. 1,086,781; Feb. 10; Gaz. vol. 199; p. 466.
- Spring for spring-bearings. T. H. Miller. No. 1,107,690; Aug. 18; Gaz. vol. 205; p. 830.
- Spring-fork. M. Ekstrom. No. 1,096,417; May 12; Gaz. vol. 202; p. 460.
- Spring-forming device. B. A. Litchfield and L. Zimmermann. No. 1,105,982; Aug. 4; Gaz. vol. 205; p. 138.
- Spring-forming machine. H. Poffinbarger. No. 1,118,046; Nov. 24; Gaz. vol. 208; p. 1020.
- Spring gage, Double-. C. J. Manning. No. 1,100,756; June 23; Gaz. vol. 203; p. 952.
- Spring-lubricating device. G. F. Voight. No. 1,084,181; Jan. 13; Gaz. vol. 198; p. 337.
- Spring lubricator, Leaf-. W. Grus, Jr. No. 1,121,354; Dec. 15; Gaz. vol. 209; p. 938.
- Spring-manufacturing machine. E. J. Harvey. No. 1,113,987; Oct. 20; Gaz. vol. 207; p. 631.
- Spring-motor. W. A. Blaydes. No. 1,100,050; June 16; Gaz. vol. 203; p. 656.
- Spring-motor. O. E. Larson. No. 1,118,207; Nov. 24; Gaz. vol. 208; p. 1075.
- Spring-motor. F. B. Marriott. No. 1,108,456; Aug. 25; Gaz. vol. 205; p. 1142.
- Spring-motor. E. J. Scott. No. 1,121,944; Dec. 22; Gaz. vol. 209; p. 1181.
- Spring-motor for fans and the like. F. Johnston and C. H. Larson. No. 1,084,548; Jan. 13; Gaz. vol. 198; p. 456.
- Spring or spring-mattress. A. J. Kreuzkamp. No. 1,100,379; June 16; Gaz. vol. 203; p. 771.
- Spring-seat. F. Jackson. No. 1,080,644; Mar. 10; Gaz. vol. 200; p. 381.
- Spring-seat. W. Lewis. No. 1,087,248; Feb. 17; Gaz. vol. 199; p. 678.
- Spring-seat. D. C. Travis. No. 1,116,859; Nov. 10; Gaz. vol. 208; p. 525.
- Spring-spoke wheel. J. D. Hayman. No. 1,118,487; Nov. 24; Gaz. vol. 208; p. 1176.
- Spring-spoke wheel. P. Hinkel. No. 1,121,501; Dec. 15; Gaz. vol. 209; p. 989.
- Spring structure. F. P. D'Arcy. No. 1,095,712; May 5; Gaz. vol. 202; p. 184.
- Spring structure. F. P. D'Arcy. No. 1,096,801; May 12; Gaz. vol. 202; p. 589.
- Spring structure. O. R. Hunt. No. 1,085,426; Jan. 27; Gaz. vol. 198; p. 822.
- Spring structure. G. J. King. No. 1,118,136; Nov. 24; Gaz. vol. 208; p. 1051.
- Spring structure and upholstering-cover therefor. G. B. Brink. No. 1,110,987; Sept. 15; Gaz. vol. 206; p. 834.
- Spring structures, Brace for. L. A. Young. No. 1,085,232; Jan. 27; Gaz. vol. 198; p. 755.
- Spring-support, Elastic. J. McNeil and R. Lienhard, Jr. No. 1,093,143; Apr. 14; Gaz. vol. 201; p. 385.

Alphabetical list of inventions—Continued.

- Spring-switch. E. N. Prouty and J. M. Ault. No. 1,084,294; Jan. 13; Gaz. vol. 198; p. 373.
- Spring system. W. H. Son. No. 1,088,738; Mar. 3; Gaz. vol. 200; p. 24.
- Spring-testing means, Vehicle. E. J. Harvey. No. 1,091,219; Mar. 24; Gaz. vol. 200; p. 997.
- Spring vehicle-wheel. W. H. Fahrney. No. 1,108,564; Aug. 25; Gaz. vol. 205; p. 1182.
- Spring-wheel. W. H. Abbott. No. 1,104,752; July 21; Gaz. vol. 204; p. 965.
- Spring-wheel. H. K. Allen. No. 1,121,600; Dec. 22; Gaz. vol. 209; p. 1059.
- Spring-wheel. M. L. Aten. No. 1,117,152; Nov. 17; Gaz. vol. 208; p. 664.
- Spring-wheel. F. P. Bacon. No. 1,090,373; Mar. 17; Gaz. vol. 200; p. 673.
- Spring-wheel. C. V. Brandt. No. 1,101,680; June 30; Gaz. vol. 203; p. 1024.
- Spring-wheel. L. W. Brown. No. 1,083,316; Jan. 6; Gaz. vol. 198; p. 20.
- Spring-wheel. S. Brown. No. 1,116,984; Nov. 10; Gaz. vol. 208; p. 567.
- Spring-wheel. R. M. Clark. No. 1,103,563; July 14; Gaz. vol. 204; p. 512.
- Spring-wheel. J. W. Clifton. No. 1,101,405; June 23; Gaz. vol. 203; p. 1177.
- Spring-wheel. M. H. Conklin and D. J. Kirtland. No. 1,114,583; Oct. 20; Gaz. vol. 207; p. 843.
- Spring-wheel. G. E. Crawford. No. 1,095,821; May 5; Gaz. vol. 202; p. 221.
- Spring-wheel. T. J. Crowe. No. 1,094,308; Apr. 21; Gaz. vol. 201; p. 815.
- Spring-wheel. J. S. Culp. No. 1,111,883; Sept. 29; Gaz. vol. 206; p. 1227.
- Spring-wheel. J. J. Fahrney. No. 1,122,890; Dec. 29; Gaz. vol. 209; p. 1547.
- Spring-wheel. R. Fourchy. No. 1,093,391; Apr. 14; Gaz. vol. 201; p. 470.
- Spring-wheel. P. Fuhrer. No. 1,119,267; Dec. 1; Gaz. vol. 209; p. 125.
- Spring-wheel. L. A. Furuseth. No. 1,090,703; Mar. 17; Gaz. vol. 200; p. 787.
- Spring-wheel. A. Gage. No. 1,084,421; Jan. 13; Gaz. vol. 198; p. 414.
- Spring-wheel. G. J. and H. C. Garrett. No. 1,084,882; Jan. 20; Gaz. vol. 198; p. 600.
- Spring-wheel. H. S. Gover. No. 1,112,285; Sept. 29; Gaz. vol. 206; p. 1363.
- Spring-wheel. G. W. Graves, M. McCollman, and A. P. Gibson. No. 1,093,124; Apr. 14; Gaz. vol. 201; p. 379.
- Spring-wheel. D. A. Gray. No. 1,086,162; Feb. 3; Gaz. vol. 199; p. 207.
- Spring-wheel. J. A. Hagerstrom. No. 1,120,142; Dec. 8; Gaz. vol. 209; p. 463.
- Spring-wheel. T. W. Hawley. No. 1,103,045; July 14; Gaz. vol. 204; p. 333.
- Spring-wheel. F. P. Holmes. No. 1,091,515; Mar. 31; Gaz. vol. 200; p. 1137.
- Spring-wheel. J. C. Howells. No. 1,100,242; June 16; Gaz. vol. 203; p. 723.
- Spring-wheel. G. F. Jones. No. 1,118,492; Nov. 24; Gaz. vol. 208; p. 1177.
- Spring-wheel. T. N. Jordan. No. 1,103,295; July 14; Gaz. vol. 204; p. 420.
- Spring-wheel. A. S. Kinney. No. 1,084,448; Jan. 13; Gaz. vol. 198; p. 423.
- Spring-wheel. E. F. Krell. No. 1,100,137; June 16; Gaz. vol. 203; p. 687.
- Spring-wheel. S. T. Kronenberg. No. 1,101,195; June 23; Gaz. vol. 203; p. 1106.
- Spring-wheel. C. Kühn and G. Zahn. No. 1,101,082; June 23; Gaz. vol. 203; p. 1068.
- Spring-wheel. J. Kunkel. No. 1,101,293; June 23; Gaz. vol. 203; p. 1140.
- Spring-wheel. W. B. Lefter. No. 1,118,502; Nov. 24; Gaz. vol. 208; p. 1180.
- Spring-wheel. W. L. Mann. No. 1,114,161; Oct. 20; Gaz. vol. 207; p. 693.
- Spring-wheel. M. Mathiesen. No. 1,087,963; Feb. 24; Gaz. vol. 199; p. 972.
- Spring-wheel. O. F. Miller. No. 1,112,309; Sept. 29; Gaz. vol. 206; p. 1371.
- Spring-wheel. J. O. Nelson. No. 1,112,718; Oct. 6; Gaz. vol. 207; p. 109.
- Spring-wheel. J. W. Nippert. No. 1,107,439; Aug. 18; Gaz. vol. 205; p. 741.
- Spring-wheel. J. L. Parker. No. 1,086,689; Feb. 10; Gaz. vol. 199; p. 433.
- Spring-wheel. J. E. Pinguely. No. 1,096,749; May 12; Gaz. vol. 202; p. 571.
- Spring-wheel. E. Rammelsberg. No. 1,107,355; Aug. 18; Gaz. vol. 205; p. 710.
- Spring-wheel. F. M. Ross and H. G. Horstman. No. 1,111,863; Sept. 29; Gaz. vol. 206; p. 1220.
- Spring-wheel. D. W. Sartain. No. 1,119,645; Dec. 1; Gaz. vol. 209; p. 257.
- Spring-wheel. G. H. Schanck. No. 1,084,664; Jan. 20; Gaz. vol. 198; p. 523.
- Spring-wheel. C. Schevitz. No. 1,109,549; Sept. 1; Gaz. vol. 206; p. 242.
- Spring-wheel. J. D. Short. No. 1,090,797; Mar. 17; Gaz. vol. 200; p. 817.
- Spring-wheel. T. B. Smith. No. 1,102,205; June 30; Gaz. vol. 203; p. 1509.
- Spring-wheel. F. Stitzel. No. 1,085,641; Feb. 3; Gaz. vol. 199; p. 22.
- Spring-wheel. F. Stitzel. No. 1,089,979; Mar. 10; Gaz. vol. 200; p. 495.
- Spring-wheel. F. Stitzel. No. 1,114,930; Oct. 27; Gaz. vol. 207; p. 1019.
- Spring-wheel. W. Tilson. No. 1,117,534; Nov. 17; Gaz. vol. 208; p. 800.
- Spring-wheel. G. Weaver. No. 1,088,386; Feb. 24; Gaz. vol. 199; p. 1117.
- Spring-wheel. F. A. Weckert. No. 1,103,332; July 14; Gaz. vol. 204; p. 434.
- Spring-wheel. H. Wedeman. No. 1,104,283; July 21; Gaz. vol. 204; p. 803.
- Spring-wheel. C. W. Whaland. No. 1,099,728; June 9; Gaz. vol. 203; p. 509.
- Spring-wheel. H. A. Wheeling. No. 1,110,849; Sept. 15; Gaz. vol. 206; p. 786.
- Spring-wheel. C. F. Willner. No. 1,084,515; Jan. 13; Gaz. vol. 198; p. 444.
- Spring-wheel. N. Withers and C. Speidel. No. 1,086,497; Feb. 10; Gaz. vol. 199; p. 365.
- Spring-wheel. A. M. Wolf. No. 1,095,257; May 5; Gaz. vol. 202; p. 28.
- Spring-wheel. O. G. Worsley. No. 1,113,177; Oct. 6; Gaz. vol. 207; p. 265.
- Spring-wheel. C. L. H. Wraae and J. Liddell. No. 1,097,114; May 19; Gaz. vol. 202; p. 743.
- Spring-wheel. A. W. Youngkvist. No. 1,111,204; Sept. 22; Gaz. vol. 206; p. 954.
- Spring-wheel for vehicles. W. J. Luttrell. No. 1,087,960; Feb. 24; Gaz. vol. 199; p. 971.
- Spring-wheel, Pneumatic. A. O. Schoelch. No. 1,096,959; May 19; Gaz. vol. 202; p. 688.
- Springs, Device for opening elliptical. C. N. Sowden. No. 1,091,975; Mar. 31; Gaz. vol. 200; p. 1296.
- Springs, Hanger construction for auto running-gear. E. F. Goodman. No. 1,088,777; Mar. 3; Gaz. vol. 200; p. 36.
- Springs, Leaf-separating device for leaf. E. I. Emerson. No. 1,117,819; Nov. 17; Gaz. vol. 208; p. 902.
- Springs, Machine for bending and cutting coiled. J. P. Leggett. No. 1,094,076; Apr. 21; Gaz. vol. 201; p. 739.
- Springs, Machine for forming loops on coiled. C. R. Barrett and E. A. Samuel. No. 1,114,846; Oct. 27; Gaz. vol. 207; p. 988.
- Springs, Machine for making coil. A. J. Lewis. No. 1,083,501; Jan. 6; Gaz. vol. 198; p. 80.
- Springs, Machine for making coiled wire. W. B. Greenleaf. No. 1,113,779; Oct. 13; Gaz. vol. 207; p. 520.
- Springs, Removable tip for the contacting ends of armature. C. M. Proctor. No. 1,093,076; Apr. 14; Gaz. vol. 201; p. 361.
- Springs, Spreader for the leaves of. C. F. Adamson. No. 1,108,111; Aug. 18; Gaz. vol. 205; p. 977.
- Sprinkler: See Automatic sprinkler; Clothes-sprinkler; Lawn-sprinkler; Street-sprinkler.
- Sprinkler. G. Buelna and A. Beverley. No. 1,099,536; June 9; Gaz. vol. 203; p. 443.
- Sprinkler. W. Webster. No. 1,114,079; Oct. 20; Gaz. vol. 207; p. 664.
- Sprinkler and water-pail, Convertible. J. J. Slitski, Jr. No. 1,091,971; Mar. 31; Gaz. vol. 200; p. 1295.
- Sprinkler for lawns, golf-greens, gardens, and the like. P. Zeyssolff. No. 1,089,179; Mar. 3; Gaz. vol. 200; p. 176.
- Sprinkler-head. W. W. Hawkins. No. 1,115,930; Nov. 3; Gaz. vol. 208; p. 158.
- Sprinkler-head. F. V. Sackett. No. 1,107,845; Aug. 18; Gaz. vol. 205; p. 884.
- Sprinkler-head, Automatic. J. R. Hamilton. No. 1,108,362; Aug. 25; Gaz. vol. 205; p. 1111.
- Sprinkler-head, Automatic. E. M. Long. No. 1,107,198; Aug. 11; Gaz. vol. 205; p. 607.
- Sprinkler-heads, Fusible link for. G. D. Bennet. No. 1,113,596; Oct. 13; Gaz. vol. 207; p. 456.
- Sprinkler-heads, Link for. P. Evans. No. 1,120,462; Dec. 8; Gaz. vol. 209; p. 578.
- Sprinkler supervisory system. C. F. Patterson. No. 1,090,497; Mar. 17; Gaz. vol. 200; p. 718.
- Sprinkler systems, Alarm device for automatic. A. C. Johnson. No. 1,088,024; Feb. 24; Gaz. vol. 199; p. 994.
- Sprocket. P. L. Crowe and A. Frankenhelm. No. 1,123,177; Dec. 29; Gaz. vol. 209; p. 1649.
- Sprocket and chain therefor. C. P. Browning. No. 1,101,398; June 23; Gaz. vol. 203; p. 1174.
- Sprocket-rim, Sheet-metal. W. H. Bristol. No. 1,098,473; June 2; Gaz. vol. 203; p. 40.
- Sprocket-wheel. H. Ullensaker. No. 1,104,086; July 21; Gaz. vol. 204; p. 735.
- Sprie-cutter. F. X. Riel and F. W. Williston. No. 1,095,356; May 5; Gaz. vol. 202; p. 62.
- Spud. C. B. King and H. T. Gracely. No. 1,122,401; Dec. 29; Gaz. vol. 209; p. 1375.
- Spudding attachment. J. W. Miller. No. 1,100,086; June 16; Gaz. vol. 203; p. 669.

Alphabetical list of inventions—Continued.

- Sputum-cup. E. B. Giertsen, R. Skancke, and A. N. Böhler. No. 1,087,009; Feb. 10; Gaz. vol. 199; p. 542.
- Square. M. Clarke. No. 1,103,564; July 14; Gaz. vol. 204; p. 513.
- Square. H. C. Hart. No. 1,091,332; Mar. 24; Gaz. vol. 200; p. 1030.
- Square, Bevel-. L. Spies. No. 1,091,978; Mar. 31; Gaz. vol. 200; p. 1297.
- Square, Carpenter's. C. O. Buckland. No. 1,100,530; June 16; Gaz. vol. 203; p. 822.
- Square-clamping attachment. T. P. W. Krauss. No. 1,121,512; Dec. 15; Gaz. vol. 209; p. 992.
- Square, Combination-. C. A. Kenworthy. No. 1,107,077; Aug. 11; Gaz. vol. 205; p. 562.
- Square, Folding. B. L. Bronson. No. 1,090,811; Mar. 17; Gaz. vol. 200; p. 822.
- Square, Folding. J. C. Fullmer. No. 1,101,625; June 30; Gaz. vol. 203; p. 1305.
- Square, Folding. A. H. Sterner. No. 1,114,655; Oct. 20; Gaz. vol. 207; p. 867.
- Square, Folding. A. H. Sterner. No. 1,114,656; Oct. 20; Gaz. vol. 207; p. 867.
- Square, Framing-. H. B. Sargent. No. 1,102,689; July 7; Gaz. vol. 204; p. 163.
- Square, Knockdown carpenter's. F. B. Hardsocg. No. 1,102,192; June 30; Gaz. vol. 203; p. 1504.
- Square, protractor, and level, Combination. J. E. Nordlie. No. 1,118,907; Nov. 24; Gaz. vol. 208; p. 1316.
- Square, Separable. H. E. Harris. No. 1,107,516; Aug. 18; Gaz. vol. 205; p. 768.
- Square, Tailor's. V. Spevacek. No. 1,123,031; Dec. 29; Gaz. vol. 209; p. 1597.
- Square, Try, rafter, and miter. G. E. Stanwood and W. E. Smith. No. 1,084,973; Jan. 20; Gaz. vol. 198; p. 629.
- Squeegee. M. Bandringa. No. 1,107,131; Aug. 11; Aug. vol. 205; p. 581.
- Squeezer. F. F. Bradley. No. 1,094,974; Apr. 28; Gaz. vol. 201; p. 1109.
- Squeezer. D. H. Mosteller. No. 1,098,288; May 26; Gaz. vol. 202; p. 1197.
- Squirrel-cage rotor. F. W. Stefater. No. 1,089,597; Mar. 10; Gaz. vol. 200; p. 365.
- Stabilizing mechanism for flying-machines. E. Berliner. No. 1,119,567; Dec. 1; Gaz. vol. 209; p. 231.
- Stable appliance, Cow-. W. J. Pfeifer. No. 1,097,667; May 26; Gaz. vol. 202; p. 978.
- Stable mixture containing perborates. H. H. Wünsche. No. 1,105,739; Aug. 4; Gaz. vol. 205; p. 54.
- Stable nitrobenzene-diazonium derivatives. O. N. Witt. No. 1,093,567; Apr. 14; Gaz. vol. 201; p. 523.
- Stack-cover. G. W. Boll. No. 1,102,466; July 7; Gaz. vol. 204; p. 86.
- Stack-cover. M. Hansen. No. 1,114,755; Oct. 27; Gaz. vol. 207; p. 955.
- Stack-cover. W. B. Spalding. No. 1,114,057; Oct. 20; Gaz. vol. 207; p. 656.
- Stack-cover. C. R. Wright. No. 1,095,484; May 5; Gaz. vol. 202; p. 107.
- Stack-cover, Sectional metal. F. W. Martin. No. 1,103,793; July 14; Gaz. vol. 204; p. 594.
- Stack-fitting. J. H. Lonskey. No. 1,106,392; Aug. 11; Gaz. vol. 205; p. 322.
- Stack-flashing. R. F. Fife. No. 1,103,666; July 14; Gaz. vol. 204; p. 552.
- Stack razing and conveying mechanism. J. D. Adami. No. 1,101,161; June 23; Gaz. vol. 203; p. 1094.
- Stacker. E. Behrns. No. 1,103,733; July 14; Gaz. vol. 204; p. 574.
- Stacker. D. M. Graham. No. 1,104,885; July 28; Gaz. vol. 204; p. 1061.
- Stacker. E. A. Roach. No. 1,104,447; July 21; Gaz. vol. 204; p. 859.
- Stacker, Hay-. B. W. Bivens. No. 1,098,553; June 2; Gaz. vol. 203; p. 70.
- Stacker, Hay-. A. J. Davidson. No. 1,103,492; July 14; Gaz. vol. 204; p. 486.
- Stacker, Hay-. T. F. House. No. 1,104,671; July 21; Gaz. vol. 204; p. 937.
- Stacker, Hay-. E. J. Nebuda. No. 1,099,190; June 9; Gaz. vol. 203; p. 324.
- Stacker, Hay-. W. Randolph. No. 1,094,017; Apr. 21; Gaz. vol. 201; p. 719.
- Stacker, Hay and grain. J. M. and J. A. Harvey. No. 1,113,988; Oct. 20; Gaz. vol. 207; p. 631.
- Stacker hood, Pneumatic-. A. P. Determann. No. 1,121,810; Dec. 22; Gaz. vol. 209; p. 1132.
- Stacker, Straw-. J. Maserang. No. 1,090,638; Mar. 17; Gaz. vol. 200; p. 767.
- Stackers, Hood for pneumatic. L. Link. No. 1,096,041; May 12; Gaz. vol. 202; p. 331.
- Stacking-machine. B. G. Richards. No. 1,117,244; Nov. 17; Gaz. vol. 208; p. 699.
- Staff-holder. A. C. and H. E. Thorpe. No. 1,096,869; May 19; Gaz. vol. 202; p. 655.
- Stage effects, Apparatus for producing. H. Thurston. No. 1,104,846; July 28; Gaz. vol. 204; p. 1047.
- Stage-lighting device. A. W. Beuttell and J. A. Manners-Smith. No. 1,107,651; Aug. 18; Gaz. vol. 205; p. 816.
- Stage-rain, Device for producing. N. Linton. No. 1,106,391; Aug. 11; Gaz. vol. 205; p. 321.
- Staging. D. N. Hunt. No. 1,085,383; Jan. 27; Gaz. vol. 198; p. 809.
- Stair. F. A. Winslow. No. 1,096,086; May 12; Gaz. vol. 202; p. 347.
- Stair construction. D. A. Daly. No. 1,101,012; June 23; Gaz. vol. 203; p. 1043.
- Stair construction. F. Hartmann. No. 1,092,572; Apr. 7; Gaz. vol. 201; p. 154.
- Stair-covering-fastening means. K. C. Schuele and W. Borneman. No. 1,100,102; June 16; Gaz. vol. 203; p. 675.
- Stair for sleeping-car berths, Foldable. E. C. Paterson. No. 1,083,939; Jan. 13; Gaz. vol. 198; p. 253.
- Stair-sheet, Antislip. C. Messick. No. 1,094,859; Apr. 28; Gaz. vol. 201; p. 1068.
- Stair structure. J. T. Nesdall. No. 1,113,368; Oct. 13; Gaz. vol. 207; p. 376.
- Stairway, Movable. F. E. Bessler. No. 1,088,056; Feb. 24; Gaz. vol. 199; p. 1005.
- Stairway, Movable. F. E. Bessler. No. 1,088,960; Mar. 3; Gaz. vol. 200; p. 99.
- Stairways, Spring-tread for. C. Buellesbach. No. 1,105,877; Aug. 4; Gaz. vol. 205; p. 102.
- Stake-pocket, Collapsible. J. J. Tatum. No. 1,091,546; Mar. 31; Gaz. vol. 200; p. 1148.
- Stake-pocket, Folding. E. Donadon and M. M. Mathes. No. 1,123,181; Dec. 29; Gaz. vol. 209; p. 1650.
- Stake-pocket, Folding. J. M. Rohlfing. No. 1,123,143; Dec. 29; Gaz. vol. 209; p. 1636.
- Stake-pocket, Folding. J. M. Rohlfing. No. 1,123,144; Dec. 29; Gaz. vol. 209; p. 1637.
- Stalk-chopper. O. F. Scott. No. 1,083,635; Jan. 6; Gaz. vol. 198; p. 124.
- Stalk-cutter. M. L. Adams. No. 1,105,949; Aug. 4; Gaz. vol. 205; p. 127.
- Stalk-cutter. P. Blakely. No. 1,088,257; Feb. 24; Gaz. vol. 199; p. 1073.
- Stalk-cutter. R. A. Blunck. No. 1,117,314; Nov. 17; Gaz. vol. 208; p. 724.
- Stalk-cutter. J. V. Edwards. No. 1,097,617; May 26; Gaz. vol. 202; p. 960.
- Stalk-cutter. O. F. Scott. No. 1,083,636; Jan. 6; Gaz. vol. 198; p. 125.
- Stalk-cutter. J. W. Smith. No. 1,111,925; Sept. 29; Gaz. vol. 206; p. 1241.
- Stalk-cutter. J. R. Weatherly. No. 1,095,252; May 5; Gaz. vol. 202; p. 27.
- Stalk-cutter. L. S. Williams. No. 1,085,776; Feb. 3; Gaz. vol. 199; p. 72.
- Stalk-cutter and roller, Combined. J. J. Nohr. No. 1,089,948; Mar. 10; Gaz. vol. 200; p. 486.
- Stalk-cutter, Hand-operated. J. A. Stockton and M. N. Willimon. No. 1,104,573; July 21; Gaz. vol. 204; p. 905.
- Stalk-puller. R. W. Brooks. No. 1,108,325; Aug. 25; Gaz. vol. 205; p. 1099.
- Stall construction. H. L. Ferris. No. 1,101,169; June 23; Gaz. vol. 203; p. 1097.
- Stall construction. H. L. Ferris. No. 1,118,754; Nov. 24; Gaz. vol. 208; p. 1266.
- Stall, Shower-. H. H. Dupont. No. 1,112,200; Sept. 29; Gaz. vol. 206; p. 1333.
- Stall-side construction. H. L. Ferris. No. 1,086,812; Feb. 10; Gaz. vol. 199; p. 476.
- Stalls, Automatic door for. J. Betty. No. 1,116,220; Nov. 3; Gaz. vol. 208; p. 258.
- Stamp. T. O. Matthews. No. 1,104,367; July 21; Gaz. vol. 204; p. 831.
- Stamp. H. L. Nagel. No. 1,121,940; Dec. 22; Gaz. vol. 209; p. 1180.
- Stamp. G. E. Perry. No. 1,100,773; June 23; Gaz. vol. 203; p. 958.
- Stamp. G. E. Perry. No. 1,102,795; July 7; Gaz. vol. 204; p. 200.
- Stamp, Adjustable hand-. W. Dowling. No. 1,117,007; Nov. 10; Gaz. vol. 208; p. 576.
- Stamp-affixer. J. W. Bohne. No. 1,096,525; May 12; Gaz. vol. 202; p. 497.
- Stamp-affixer. B. D. Straight. No. 1,093,658; Apr. 21; Gaz. vol. 201; p. 598.
- Stamp affixing and canceling machine, Postage-. R. Stein. No. 1,100,790; June 23; Gaz. vol. 203; p. 964.
- Stamp-affixing apparatus. E. Haas. No. 1,098,254; May 26; Gaz. vol. 202; p. 1184.
- Stamp-affixing device. A. Fischer. No. 1,108,729; Aug. 25; Gaz. vol. 205; p. 1238.
- Stamp-affixing device. M. J. Graef. No. 1,117,488; Nov. 17; Gaz. vol. 208; p. 784.
- Stamp-affixing machine. C. A. H. Bullock. No. 1,109,105; Sept. 1; Gaz. vol. 206; p. 87.
- Stamp-affixing machine. W. Dornheim. No. 1,113,420; Oct. 13; Gaz. vol. 207; p. 395.
- Stamp-applying and envelop-sealing machine. F. R. Allen. No. 1,110,097; Sept. 8; Gaz. vol. 306; p. 481.
- Stamp-applying machine. A. J. Downey. No. 1,121,554; Dec. 15; Gaz. vol. 209; p. 1007.
- Stamp-canceling machine. F. de Coppet. No. 1,092,561; Apr. 7; Gaz. vol. 201; p. 150.
- Stamp-cutter. O. Mullins. No. 1,093,460; Apr. 14; Gaz. vol. 201; p. 491.

Alphabetical list of inventions—Continued.

- Stamp, Dating-. H. M. G. Pinkerton. No. 1,091,388; Mar. 24; Gaz. vol. 200; p. 1050.
- Stamp, Dating-. T. R. Post. No. 1,086,851; Feb. 10; Gaz. vol. 199; p. 491.
- Stamp, Dating-. T. R. Post. No. 1,086,852; Feb. 10; Gaz. vol. 199; p. 491.
- Stamp delivering and affixing machine. C. A. H. Bullock. No. 1,121,227; Dec. 15; Gaz. vol. 209; p. 894.
- Stamp-feeding mechanism. J. Ibarra. No. 1,114,478; Oct. 20; Gaz. vol. 207; p. 809.
- Stamp, Folding seal-. E. Gebhardt. No. 1,122,903; Dec. 29; Gaz. vol. 209; p. 1552.
- Stamp, Hand-. E. Fisher. No. 1,089,198; Mar. 3; Gaz. vol. 200; p. 182.
- Stamp, Hand-. H. S. Folger. No. 1,117,364; Nov. 17; Gaz. vol. 208; p. 741.
- Stamp, Hand-. H. S. Folger, A. M. Comstock, M. M. Corey, and W. Boulthouse. No. 1,094,062; Apr. 21; Gaz. vol. 201; p. 734.
- Stamp, Hand-. B. Kulla. No. 1,093,561; Apr. 14; Gaz. vol. 201; p. 521.
- Stamp, Hand-. T. L. Parker. No. 1,083,336; Jan. 6; Gaz. vol. 198; p. 26.
- Stamp, Hand-. L. K. Scotford. No. 1,091,394; Mar. 24; Gaz. vol. 200; p. 1052.
- Stamp, Hand-. L. K. Scotford and M. C. Price. No. 1,093,485; Apr. 14; Gaz. vol. 201; p. 498.
- Stamp, Hand-. C. E. Snyder. No. 1,104,564; July 21; Gaz. vol. 204; p. 902.
- Stamp-mill mortar. E. H. Moyle. No. 1,121,117; Dec. 15; Gaz. vol. 209; p. 858.
- Stamp-mill mortar. E. H. Moyle. No. 1,121,118; Dec. 15; Gaz. vol. 209; p. 858.
- Stamp-mills and the like, Lifting mechanism for. T. Frey. No. 1,086,151; Feb. 3; Gaz. vol. 199; p. 204.
- Stamp, Pencil-. M. M. Anderson. No. 1,108,314; Aug. 25; Gaz. vol. 205; p. 1096.
- Stamp, Printing-. H. Schmidt and F. Hubert. No. 1,118,814; Nov. 24; Gaz. vol. 208; p. 1286.
- Stamp rack, Adjustable molding-. A. Riminger. No. 1,096,391; May 12; Gaz. vol. 202; p. 450.
- Stamp-shoe, Manganese-steel. F. A. Haughton. No. 1,085,861; Feb. 3; Gaz. vol. 199; p. 100.
- Stamp-sticking apparatus. F. Kaspar. No. 1,090,721; Mar. 17; Gaz. vol. 200; p. 792.
- Stamp, Straight-line time-. A. Beyer. No. 1,087,102; Feb. 17; Gaz. vol. 199; p. 625.
- Stamp-supporting mechanism, Yielding. R. N. Pitcher. No. 1,120,742; Dec. 15; Gaz. vol. 209; p. 724.
- Stamp, Ticket-. H. M. Lukens, Jr. No. 1,087,597; Feb. 17; Gaz. vol. 199; p. 799.
- Stamp, Time-. G. E. Perry. No. 1,115,102; Oct. 27; Gaz. vol. 207; p. 1080.
- Stamps and the like to envelops or other articles, Machine for feeding, detaching, and affixing postage-. N. S. McNab. No. 1,111,601; Sept. 22; Gaz. vol. 206; p. 1089.
- Stamps, Device for applying transfer-. C. G. Richardson. No. 1,086,402; Feb. 10; Gaz. vol. 199; p. 332.
- Stamps, Machine for applying transfer-. C. G. Richardson. No. 1,086,400; Feb. 10; Gaz. vol. 199; p. 331.
- Stamps, tickets, and the like, Machine for delivering postage-. G. L. Richards. No. 1,114,912; Oct. 27; Gaz. vol. 207; p. 1012.
- Stamps to fabrics, Machine for applying transfer-. C. G. Richardson. No. 1,086,401; Feb. 10; Gaz. vol. 199; p. 331.
- Stamping device. J. Malsch. No. 1,085,143; Jan. 27; Gaz. vol. 198; p. 724.
- Stamping-knife. F. Schreiber. No. 1,116,332; Nov. 3; Gaz. vol. 208; p. 294.
- Stamping-machine. J. J. Gillespie. No. 1,102,039; June 30; Gaz. vol. 203; p. 1451.
- Stamping-machine. G. E. Willard and C. N. Cowden. No. 1,100,641; June 16; Gaz. vol. 203; p. 858.
- Stamping machine, Cloth-. A. E. Nielsen and L. Geer. No. 1,108,929; Sept. 1; Gaz. vol. 206; p. 24.
- Stamping-machine, Hand. A. Marks. No. 1,121,518; Dec. 15; Gaz. vol. 209; p. 994.
- Stamping machines, Wiping device for die-. E. W. Savory and A. F. Battey. No. 1,100,153; June 16; Gaz. vol. 203; p. 693.
- Stamping-press, Electrically-heated. L. Airhart. No. 1,099,892; June 9; Gaz. vol. 203; p. 565.
- Stanchion. W. J. Benesh. No. 1,100,343; June 16; Gaz. vol. 203; p. 758.
- Stanchion. C. S. Buckingham. No. 1,119,570; Dec. 1; Gaz. vol. 209; p. 232.
- Stanchion. H. L. Ferris. No. 1,083,605; Jan. 6; Gaz. vol. 198; p. 115.
- Stanchion. H. J. Ferris. No. 1,122,711; Dec. 29; Gaz. vol. 209; p. 1484.
- Stanchion. J. C. Fitzgerald. No. 1,091,646; Mar. 31; Gaz. vol. 200; p. 1182.
- Stanchion. J. N. Jensen. No. 1,106,713; Aug. 11; Gaz. vol. 205; p. 437.
- Stanchion. F. W. Moldenhauer. No. 1,085,284; Jan. 27; Gaz. vol. 198; p. 774.
- Stanchion. F. W. Moldenhauer and B. G. Edgerton. No. 1,109,933; Sept. 8; Gaz. vol. 206; p. 422.
- Stanchion. J. B. Oleson. No. 1,084,816; Jan. 20; Gaz. vol. 198; p. 577.
- Stanchion. S. M. Shoemaker. No. 1,119,649; Dec. 1; Gaz. vol. 209; p. 258.
- Stanchion. L. B. Spaulding. No. 1,110,514; Sept. 15; Gaz. vol. 206; p. 669.
- Stanchion. F. O. Wood. No. 1,088,862; Mar. 3; Gaz. vol. 200; p. 65.
- Stanchion, Cattle-. A. J. Butler. No. 1,095,703; May 5; Gaz. vol. 202; p. 181.
- Stanchion, Cattle-. G. Gleason. No. 1,086,157; Feb. 3; Gaz. vol. 199; p. 206.
- Stanchion, Cattle-. W. F. Jacobs. No. 1,107,524; Aug. 18; Gaz. vol. 205; p. 770.
- Stanchion for hand-rails. C. B. O'Connor. No. 1,105,685; Aug. 4; Gaz. vol. 205; p. 34.
- Stanchion holder, Cattle-. W. Loudon. No. 1,097,809; May 26; Gaz. vol. 202; p. 1030.
- Stanchion, Multiple. C. M. Sletten. No. 1,099,623; June 9; Gaz. vol. 203; p. 473.
- Stanchion-release. R. S. Haun. No. 1,102,150; June 30; Gaz. vol. 203; p. 1489.
- Stanchion-retainer. A. Tuscany and L. J. Peterson. No. 1,084,179; Jan. 13; Gaz. vol. 198; p. 336.
- Stand. See Barrel-stand; Bicycle-stand; Blacking-stand; Blowpipe-stand; Boiler-stand; Book-stand; Cheese-stand; Culinary stand; Cuspidor-stand; Cycle-stand; Display-stand; Drawing-stand; Drawing-board stand; Drilling-stand; Flat-iron stand; Flower-stand; Folding stand; Fruit stand; Hod-stand; Lamp-stand; Mail-box stand; Match-stand; Newspaper-stand; Photograph-printing stand; Printing-stand; Railway-switch stand; Sad-iron stand; Switch-stand; Telephone-stand; Tree-stand; Treeing-stand; Trolley-stand; Tub-stand; Type-writer stand; Umbrella-stand; Votive-offering stand; Washstand.
- Stand. P. H. Kelleher. No. 1,105,910; Aug. 4; Gaz. vol. 205; p. 112.
- Stand. N. Nyberg. No. 1,111,607; Sept. 22; Gaz. vol. 206; p. 1091.
- Stand-boiler. R. T. Parisen. No. 1,104,381; July 21; Gaz. vol. 204; p. 837.
- Stand, Connector-. F. J. Ravlin and J. Lofgren. No. 1,096,457; May 12; Gaz. vol. 202; p. 473.
- Stand-pipe. R. B. Greenway. No. 1,113,330; Oct. 13; Gaz. vol. 207; p. 363.
- Stannic chlorid from materials containing oxid of tin, Manufacturing. H. Goldschmidt. No. 1,105,902; Aug. 4; Gaz. vol. 205; p. 110.
- Staple. R. L. Lynch. No. 1,119,847; Dec. 8; Gaz. vol. 209; p. 361.
- Staple. F. R. White. No. 1,110,091; Sept. 8; Gaz. vol. 206; p. 479.
- Staple-affixing machine. G. F. Hullings and D. P. Moore. No. 1,117,673; Nov. 17; Gaz. vol. 208; p. 850.
- Staple blank or strip. E. T. Greenfield. No. 1,106,938; Aug. 11; Gaz. vol. 205; p. 517.
- Staple driver and puller. C. N. Richardson. No. 1,106,241; Aug. 4; Gaz. vol. 205; p. 227.
- Staple-driving appliance. R. J. Watts. No. 1,100,208; June 16; Gaz. vol. 203; p. 712.
- Staple, Fence-. C. T. Sheppard. No. 1,087,264; Feb. 17; Gaz. vol. 199; p. 683.
- Staple for fences and other purposes. W. E. Amberg. No. 1,104,094; July 21; Gaz. vol. 204; p. 739.
- Staple forming and driving mechanism. H. Weber. No. 1,111,114; Sept. 22; Gaz. vol. 206; p. 921.
- Staple-holder. J. D. Stingle. No. 1,087,092; Feb. 10; Gaz. vol. 199; p. 569.
- Staple-retainer. L. M. Vance. No. 1,106,600; Aug. 11; Gaz. vol. 205; p. 400.
- Staple-retainer. L. M. Vance. No. 1,110,975; Sept. 15; Gaz. vol. 206; p. 830.
- Staple-set. E. W. Carter. No. 1,119,807; Dec. 8; Gaz. vol. 209; p. 347.
- Staple-setting and wire-stretching tool. E. R. Beadle and H. V. Etter. No. 1,106,861; Aug. 11; Gaz. vol. 205; p. 490.
- Stapling device. I. Epstein. No. 1,085,856; Feb. 3; Gaz. vol. 199; p. 99.
- Stapling-machine. I. Epstein. No. 1,093,040; Apr. 14; Gaz. vol. 201; p. 348.
- Stapling-machine. A. H. Ferrell. No. 1,122,093; Dec. 22; Gaz. vol. 209; p. 1233.
- Stapling-machine. E. T. Greenfield. No. 1,086,362; Feb. 10; Gaz. vol. 199; p. 319.
- Stapling-machine. H. Ragsdale. No. 1,101,659; June 30; Gaz. vol. 203; p. 1316.
- Stapling-machine for boxes, cases, and the like. H. Weber. No. 1,111,113; Sept. 22; Gaz. vol. 206; p. 921.
- Stapling-machine, Portable. A. H. Maynard. No. 1,119,093; Dec. 1; Gaz. vol. 209; p. 68.
- Stapling machine, Wire-. H. Weber. No. 1,111,112; Sept. 22; Gaz. vol. 206; p. 920.
- Stapling-machine work-support. H. Weber and W. Osterholm. No. 1,103,234; July 14; Gaz. vol. 204; p. 400.
- Stapling-strip. H. A. McGee. No. 1,083,848; Jan. 6; Gaz. vol. 198; p. 192.
- Starch-drying apparatus. L. P. Bauer. No. 1,099,276; June 9; Gaz. vol. 203; p. 353.

Alphabetical list of inventions—Continued.

- Starch excavating and conveying apparatus. D. M. Wilder. No. 1,102,376; July 7; Gaz. vol. 204; p. 53.
- Starch heater or table. O. M. Steppacher. No. 1,094,175; Apr. 21; Gaz. vol. 201; p. 773.
- Starch-separating machine. N. C. Newell and J. A. Harrington. No. 1,105,294; July 28; Gaz. vol. 204; p. 1202.
- Starching-machine. O. Miller. No. 1,085,929; Feb. 3; Gaz. vol. 199; p. 124.
- Starching-machine. E. S. Parker and T. W. Durant. No. 1,089,494; Mar. 10; Gaz. vol. 200; p. 329.
- Starter and ignition control. J. B. Entz. No. 1,084,931; Jan. 20; Gaz. vol. 198; p. 616.
- Starter, Automatic. B. S. Williams. No. 1,101,159; June 23; Gaz. vol. 203; p. 1093.
- Starting and stopping mechanism. A. A. Ball, Jr. No. 1,084,526; Jan. 13; Gaz. vol. 198; p. 447.
- Starting-box. M. Taigman. No. 1,116,952; Nov. 10; Gaz. vol. 208; p. 556.
- Starting-box, Automatic. M. E. Custer. No. 1,103,662; July 14; Gaz. vol. 204; p. 550.
- Starting device. J. J. Byrne. No. 1,094,056; Apr. 21; Gaz. vol. 201; p. 732.
- Starting device. J. D. Kneedler. No. 1,112,627; Oct. 6; Gaz. vol. 207; p. 77.
- Starting device. C. G. Tate. No. 1,091,092; Mar. 24; Gaz. vol. 200; p. 951.
- Starting mechanism. H. Meredith-Jones. No. 1,086,683; Feb. 10; Gaz. vol. 199; p. 430.
- Starting-motor and compressor. W. H. Shimpf. No. 1,120,337; Dec. 8; Gaz. vol. 209; p. 533.
- Static collecting and discharging mechanism. J. S. Thompson. No. 1,120,984; Dec. 15; Gaz. vol. 209; p. 808.
- Station-indicator. G. S. Emery. No. 1,094,783; Apr. 28; Gaz. vol. 201; p. 1042.
- Station-indicator. C. S. Mackearnin. No. 1,099,386; June 9; Gaz. vol. 203; p. 393.
- Station-indicator. B. Rivkin. No. 1,083,898; Jan. 6; Gaz. vol. 198; p. 206.
- Station-indicator or advertiser. B. R. Skinner. No. 1,120,338; Dec. 8; Gaz. vol. 209; p. 534.
- Station-platform. C. M. Swedberg. No. 1,116,160; Nov. 3; Gaz. vol. 208; p. 237.
- Stationery. E. C. Myers. No. 1,084,027; Jan. 13; Gaz. vol. 198; p. 284.
- Stave bending and forming machine. E. C. Thorschmidt. No. 1,108,946; Sept. 1; Gaz. vol. 206; p. 31.
- Stave-jointing machine. E. F. Beugler. No. 1,105,609; Aug. 4; Gaz. vol. 205; p. 7.
- Stave-sawing machine. G. A. Mullins. No. 1,118,569; Nov. 24; Gaz. vol. 208; p. 1203.
- Stave tapping-out apparatus. F. A. Wilkes. No. 1,115,138; Oct. 27; Gaz. vol. 207; p. 1092.
- Stay, Adjustable. T. G. Clark. No. 1,122,075; Dec. 22; Gaz. vol. 209; p. 1227.
- Stay and clasp, Garment. J. M. Welsh. No. 1,108,534; Aug. 25; Gaz. vol. 205; p. 1171.
- Stay and hook and eyelet, Combined. M. Wolff. No. 1,112,105; Sept. 29; Gaz. vol. 206; p. 1299.
- Stay-bolt. E. I. Dodds. No. 1,086,144; Feb. 3; Gaz. vol. 199; p. 201.
- Stay-bolt. E. I. Dodds. No. 1,086,145; Feb. 3; Gaz. vol. 199; p. 202.
- Stay-bolt. E. I. Dodds. No. 1,121,173; Dec. 15; Gaz. vol. 209; p. 877.
- Stay-bolt. H. A. Pike. No. 1,113,046; Oct. 6; Gaz. vol. 207; p. 219.
- Stay-bolt cutter. W. Brown. No. 1,085,967; Feb. 3; Gaz. vol. 199; p. 138.
- Stay-bolt-cutter clamp. W. Brown. No. 1,122,364; Dec. 29; Gaz. vol. 209; p. 1362.
- Stay-bolt, Flexible. R. G. Taylor. No. 1,086,737; Feb. 10; Gaz. vol. 199; p. 449.
- Stay-bolts, Means for keeping open telltale holes of. C. A. Thomas. No. 1,117,463; Nov. 17; Gaz. vol. 208; p. 776.
- Stay-bolts, Process of heading. C. P. Vauclain. No. 1,119,735; Dec. 1; Gaz. vol. 209; p. 286.
- Stay, Garment. M. M. Beeman. No. 1,095,262; May 5; Gaz. vol. 202; p. 30.
- Stay, Garment. M. M. Beeman. No. 1,098,468; June 2; Gaz. vol. 203; p. 39.
- Stay, Garment. J. R. Dean. No. 1,104,108; July 21; Gaz. vol. 204; p. 742.
- Stay, Garment. J. R. Dean. No. 1,113,758; Oct. 13; Gaz. vol. 207; p. 513.
- Stay, Garment. J. R. Dean. No. 1,121,331; Dec. 15; Gaz. vol. 209; p. 930.
- Stay, Garment. J. R. Dean. No. 1,121,332; Dec. 15; Gaz. vol. 209; p. 930.
- Stay, Garment. J. R. Dean. No. 1,121,333; Dec. 15; Gaz. vol. 209; p. 930.
- Stay, Garment. W. K. Dean. No. 1,121,334; Dec. 15; Gaz. vol. 209; p. 931.
- Stay, Garment. J. W. Hatch. No. 1,119,015; Dec. 1; Gaz. vol. 209; p. 40.
- Stay, Garment. D. Schuler. No. 1,106,477; Aug. 11; Gaz. vol. 205; p. 354.
- Stay, Garment. D. Schuler. No. 1,108,251; Aug. 25; Gaz. vol. 205; p. 1073.
- Stay, Garment. D. Schuler. No. 1,108,252; Aug. 25; Gaz. vol. 205; p. 1074.
- Stay, Garment. F. L. O. Wadsworth. No. 1,106,481; Aug. 11; Gaz. vol. 205; p. 356.
- Stays, Machine for forming garment. J. F. Kitchen. No. 1,118,020; Nov. 24; Gaz. vol. 208; p. 1010.
- Stays, Machine for forming wire. J. F. Kitchen. No. 1,118,019; Nov. 24; Gaz. vol. 208; p. 1010.
- Steak-chopper. J. P. Carter. No. 1,121,475; Dec. 15; Gaz. vol. 209; p. 979.
- Steam and compressed-air engine, Combined. H. G. Farr. No. 1,090,523; Mar. 17; Gaz. vol. 200; p. 728.
- Steam and the like, Apparatus for unrolling. E. Kluge. No. 1,109,588; Sept. 1; Gaz. vol. 206; p. 256.
- Steam-boiler. J. E. Bell. No. 1,096,090; May 12; Gaz. vol. 202; p. 348.
- Steam-boiler. U. Beretta and B. Gianese. No. 1,084,782; Jan. 20; Gaz. vol. 198; p. 567.
- Steam-boiler. C. W. Crowell. No. 1,115,787; Nov. 3; Gaz. vol. 208; p. 107.
- Steam-boiler. T. F. Downey. No. 1,097,402; May 19; Gaz. vol. 202; p. 844.
- Steam-boiler. A. Fernández. No. 1,105,896; Aug. 4; Gaz. vol. 205; p. 107.
- Steam-boiler. J. and A. Niclausse. No. 1,093,067; Apr. 14; Gaz. vol. 201; p. 358.
- Steam-boiler. D. E. Slocum. No. 1,097,886; May 26; Gaz. vol. 202; p. 1057.
- Steam-boiler and water-heater, Interconnected. H. B. Friedman. No. 1,106,037; Aug. 4; Gaz. vol. 205; p. 159.
- Steam-boiler construction. J. W. F. Macdonald and D. W. Robb. No. 1,120,071; Dec. 8; Gaz. vol. 209; p. 439.
- Steam-boiler in conjunction with gas-producers. A. E. Ayer. No. 1,123,162; Dec. 29; Gaz. vol. 209; p. 1644.
- Steam-boiler, Semi-flash. C. A. Sawtelle. No. 1,085,634; Feb. 3; Gaz. vol. 199; p. 19.
- Steam-boiler, Water-tube marine. M. Vallino. No. 1,120,254; Dec. 8; Gaz. vol. 209; p. 504.
- Steam-brake for single-truck log-loaders. J. A. Perego. No. 1,084,754; Jan. 20; Gaz. vol. 198; p. 557.
- Steam-condensing and vacuum-producing apparatus. D. B. Morison. No. 1,085,152; Jan. 27; Gaz. vol. 198; p. 727.
- Steam-condensing apparatus. D. B. Morison. No. 1,089,942; Mar. 10; Gaz. vol. 200; p. 484.
- Steam-condensing plant working under vacuum. D. B. Morison. No. 1,091,376; Mar. 24; Gaz. vol. 200; p. 1045.
- Steam-controlling apparatus. L. Cubelic. No. 1,093,917; Apr. 21; Gaz. vol. 201; p. 686.
- Steam-dehydrator. E. H. Conklin. No. 1,120,691; Dec. 15; Gaz. vol. 209; p. 707.
- Steam-distributing head. S. S. Riegel. No. 1,110,647; Sept. 15; Gaz. vol. 206; p. 716.
- Steam-engine. W. T. Blake. No. 1,088,521; Feb. 24; Gaz. vol. 199; p. 1160.
- Steam-engine. R. L. Dean. No. 1,088,214; Feb. 24; Gaz. vol. 199; p. 1059.
- Steam-engine. E. R. Dickey. No. 1,112,987; Oct. 6; Gaz. vol. 207; p. 200.
- Steam-engine. T. Ganderton. No. 1,089,408; Mar. 10; Gaz. vol. 200; p. 297.
- Steam-engine. E. Luginbrehl. No. 1,088,156; Feb. 24; Gaz. vol. 199; p. 1039.
- Steam-engine. R. V. McMullen. No. 1,095,968; May 5; Gaz. vol. 202; p. 269.
- Steam-engine. J. H. Missong. No. 1,108,923; Sept. 1; Gaz. vol. 206; p. 22.
- Steam-engine. J. E. Rankin. No. 1,092,226; Apr. 7; Gaz. vol. 201; p. 35.
- Steam-engine. E. Schweter. No. 1,093,655; Apr. 21; Gaz. vol. 201; p. 597.
- Steam-engine. F. H. Stanard. No. 1,102,102; June 30; Gaz. vol. 203; p. 1473.
- Steam-engine. R. C. Stevens. No. 1,106,338; Aug. 4; Gaz. vol. 205; p. 259.
- Steam-engine. R. C. Stevens. No. 1,112,489; Oct. 6; Gaz. vol. 207; p. 26.
- Steam-engine. R. C. Stevens. No. 1,112,490; Oct. 6; Gaz. vol. 207; p. 26.
- Steam-engine, Compound. H. Lentz. No. 1,118,662; Nov. 24; Gaz. vol. 208; p. 1235.
- Steam-engine, Mid-exhaust. H. Lentz. No. 1,118,661; Nov. 24; Gaz. vol. 208; p. 1235.
- Steam-engine, Multicylinder. H. Lentz. No. 1,118,663; Nov. 24; Gaz. vol. 208; p. 1236.
- Steam-engine, Terminal-exhaust. J. Davidson. No. 1,084,404; Jan. 13; Gaz. vol. 198; p. 409.
- Steam-engine, Terminal-exhaust. J. Davidson. No. 1,090,030; Mar. 10; Gaz. vol. 200; p. 513.
- Steam-engine, Unidirectional-flow. J. Davidson and W. O. Larmuth. No. 1,112,985; Oct. 6; Gaz. vol. 207; p. 200.
- Steam from steam-turbines, Extracting. F. E. Norton. No. 1,091,078; Mar. 24; Gaz. vol. 200; p. 947.
- Steam from turbines for industrial purposes, Extracting. E. D. Dickinson. No. 1,085,114; Jan. 27; Gaz. vol. 198; p. 714.
- Steam generated by quenching coke, Method of and means for utilizing. H. Koppers. No. 1,116,297; Nov. 3; Gaz. vol. 208; p. 282.

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- Steam-generating apparatus. D. Hogan. No. 1,103,205; July 14; Gaz. vol. 204; p. 392.
- Steam-generating apparatus. A. F. Randall and E. A. Bates. No. 1,109,360; Sept. 1; Gaz. vol. 206; p. 180.
- Steam-generating means. S. A. Hoge. No. 1,118,202; Nov. 24; Gaz. vol. 208; p. 1073.
- Steam-generator. J. E. Barranger. No. 1,103,248; July 14; Gaz. vol. 204; p. 406.
- Steam-generator. A. A. Cary. No. 1,109,041; Sept. 1; Gaz. vol. 206; p. 66.
- Steam-generator. R. L. Dalley. No. 1,090,779; Mar. 17; Gaz. vol. 200; p. 811.
- Steam-generator. J. Howden. No. 1,116,428; Nov. 10; Gaz. vol. 208; p. 368.
- Steam-generator. E. Makin. No. 1,104,811; July 28; Gaz. vol. 204; p. 1035.
- Steam-generator. J. Meikle. No. 1,112,463; Oct. 6; Gaz. vol. 207; p. 17.
- Steam-generator. W. K. Omick. No. 1,122,796; Dec. 29; Gaz. vol. 209; p. 1513.
- Steam-generator. F. P. Rudder. No. 1,102,959; July 7; Gaz. vol. 204; p. 255.
- Steam-generator. O. Sumner. No. 1,109,483; Sept. 1; Gaz. vol. 206; p. 220.
- Steam-generator. M. Von Pagenhardt. No. 1,111,176; Sept. 22; Gaz. vol. 206; p. 944.
- Steam-generator, Auxiliary. J. J. Plank. No. 1,089,076; Mar. 3; Gaz. vol. 200; p. 137.
- Steam-generator, Flash. C. Lemale. No. 1,102,345; July 7; Gaz. vol. 204; p. 43.
- Steam-generator, Low-pressure. F. P. Coffin. No. 1,105,405; July 28; Gaz. vol. 204; p. 1243.
- Steam-generator, Slag. C. H. Smoot. No. 1,121,946; Dec. 22; Gaz. vol. 209; p. 1182.
- Steam-generator tube, Multitubular. A. Niclausse. No. 1,103,531; July 14; Gaz. vol. 204; p. 500.
- Steam-generators, Automatic liquid-fuel regulator for. A. Ford. No. 1,097,413; May 19; Gaz. vol. 202; p. 847.
- Steam-generators, Header for. A. S. Hay. No. 1,088,224; Feb. 24; Gaz. vol. 199; p. 1062.
- Steam-generators, Superheat-regulator for. J. H. Rosenthal. No. 1,096,128; May 12; Gaz. vol. 202; p. 361.
- Steam-generators, Superheat-regulator for. J. H. Rosenthal. No. 1,119,318; Dec. 1; Gaz. vol. 209; p. 143.
- Steam-heater. E. C. Barth. No. 1,092,626; Apr. 7; Gaz. vol. 201; p. 174.
- Steam-heater. M. S. Clawson. No. 1,095,550; May 5; Gaz. vol. 202; p. 130.
- Steam-heater, Electric. C. C. Ponting. No. 1,087,607; Feb. 17; Gaz. vol. 199; p. 802.
- Steam-injectors, Mechanism for automatically operating. J. D. Patrick. No. 1,105,373; July 28; Gaz. vol. 204; p. 1234.
- Steam-jet apparatus. A. Miersbe. No. 1,095,910; May 5; Gaz. vol. 202; p. 250.
- Steam, Means for utilizing exhaust. A. H. Kruesi. No. 1,096,925; May 19; Gaz. vol. 202; p. 676.
- Steam of water before passing to the cylinder of an engine, Apparatus for relieving. H. Lather. No. 1,116,596; Nov. 10; Gaz. vol. 208; p. 431.
- Steam regenerative accumulator. L. L. Battu. No. 1,097,835; May 26; Gaz. vol. 202; p. 1038.
- Steam regenerative accumulator. D. B. Morison. No. 1,095,913; May 5; Gaz. vol. 202; p. 251.
- Steam-regenerator. W. Ahlen. No. 1,105,122; July 28; Gaz. vol. 204; p. 1141.
- Steam-regenerator. L. L. Battu. No. 1,097,836; May 26; Gaz. vol. 202; p. 1038.
- Steam-regenerator. H. McNulta. No. 1,097,983; May 26; Gaz. vol. 202; p. 1093.
- Steam-regenerator installation. L. L. Battu. No. 1,097,837; May 26; Gaz. vol. 202; p. 1039.
- Steam-separator. T. H. McGraw, Jr. No. 1,122,784; Dec. 29; Gaz. vol. 209; p. 1508.
- Steam-separator. C. D. Mosher. No. 1,100,603; June 16; Gaz. vol. 203; p. 845.
- Steam-shovel. J. T. Albert. No. 1,118,724; Nov. 24; Gaz. vol. 208; p. 1257.
- Steam-trap. F. Abels. No. 1,086,260; Feb. 3; Gaz. vol. 199; p. 239.
- Steam-trap. F. V. Anderson. No. 1,085,719; Feb. 3; Gaz. vol. 199; p. 49.
- Steam-trap. L. Coster. No. 1,088,882; Mar. 3; Gaz. vol. 200; p. 71.
- Steam-trap. J. L. Creveling. No. 1,094,883; Apr. 28; Gaz. vol. 201; p. 1076.
- Steam-trap. W. G. Dodd. No. 1,099,969; June 16; Gaz. vol. 203; p. 628.
- Steam-trap. T. Durant and C. H. Hannover. No. 1,113,207; Oct. 13; Gaz. vol. 207; p. 319.
- Steam-trap. R. T. Evans and W. G. Nord. No. 1,117,359; Nov. 17; Gaz. vol. 208; p. 739.
- Steam-trap. J. H. Hedmark. No. 1,095,159; Apr. 28; Gaz. vol. 201; p. 1172.
- Steam-trap. C. W. Judd. No. 1,085,983; Feb. 3; Gaz. vol. 199; p. 144.
- Steam-trap. M. Konold and R. T. Prall. No. 1,119,286; Dec. 1; Gaz. vol. 209; p. 132.
- Steam-trap. G. M. Lear. No. 1,098,669; June 2; Gaz. vol. 203; p. 106.
- Steam-trap. C. J. Mackerey. No. 1,118,300; Nov. 24; Gaz. vol. 208; p. 1106.
- Steam-trap. J. H. Manning. No. 1,114,162; Oct. 20; Gaz. vol. 207; p. 694.
- Steam-trap. G. U. Merrill. No. 1,108,603; Aug. 25; Gaz. vol. 205; p. 1195.
- Steam-trap. O. Pappano and C. G. Allgrunn. No. 1,122,994; Dec. 29; Gaz. vol. 209; p. 1583.
- Steam-trap. J. M. Towne. No. 1,095,046; Apr. 28; Gaz. vol. 201; p. 1133.
- Steam-trap. L. Woerner. No. 1,094,108; Apr. 21; Gaz. vol. 201; p. 750.
- Steam-trap, Automatic. W. Telfer. No. 1,105,112; July 28; Gaz. vol. 204; p. 1138.
- Steam-trap, Gravity. J. R. Taylor. No. 1,122,662; Dec. 29; Gaz. vol. 209; p. 1467.
- Steamer, Dress-goods. H. Yessne. No. 1,095,061; Apr. 28; Gaz. vol. 201; p. 1138.
- Steamer, Facial. R. F. Warham. No. 1,119,910; Dec. 8; Gaz. vol. 209; p. 382.
- Steaming apparatus. H. E. Hawk. No. 1,118,856; Nov. 24; Gaz. vol. 208; p. 1300.
- Steaming device. B. Cavalier. No. 1,093,532; Apr. 14; Gaz. vol. 201; p. 513.
- Steel. A. J. Rossi. No. 1,085,488; Jan. 27; Gaz. vol. 198; p. 841.
- Steel, Alloy. S. S. Wales. No. 1,111,710; Sept. 22; Gaz. vol. 206; p. 1129.
- Steel alloy, Producing. B. D. Saklatwalla. No. 1,119,643; Dec. 1; Gaz. vol. 209; p. 256.
- Steel, Alloyed. J. Churchward. No. 1,122,861; Dec. 29; Gaz. vol. 209; p. 1537.
- Steel, Alloyed. S. S. Wales. No. 1,111,711; Sept. 22; Gaz. vol. 206; p. 1129.
- Steel and concrete building construction, Combination. C. H. Snyder. No. 1,086,866; Feb. 10; Gaz. vol. 199; p. 496.
- Steel and iron in their manufacture, Treating. C. R. Gostling. No. 1,091,330; Mar. 24; Gaz. vol. 200; p. 1030.
- Steel articles, Manufacture of. H. M. Howe. No. 1,123,193; Dec. 29; Gaz. vol. 209; p. 1655.
- Steel bands, wires, or the like enveloped in celluloid or similar material, Manufacturing. H. Günthner. No. 1,099,598; June 9; Gaz. vol. 203; p. 465.
- Steel bars, Removing defective surfaces of. T. H. Mathias. No. 1,120,831; Dec. 15; Gaz. vol. 209; p. 755.
- Steel body-bolster, Cast. J. H. Weisbrod. No. 1,109,606; Sept. 1; Gaz. vol. 206; p. 262.
- Steel for painting, Preparing. G. D. Feidt. No. 1,109,670; Sept. 8; Gaz. vol. 206; p. 327.
- Steel from scrap, Manufacture of manganese. H. M. Howe. No. 1,117,384; Nov. 17; Gaz. vol. 208; p. 748.
- Steel-grit blast-machine. R. J. Barr. No. 1,089,388; Mar. 10; Gaz. vol. 200; p. 289.
- Steel hanger-box, Pressed. C. S. Lockwood. No. 1,107,677; Aug. 18; Gaz. vol. 205; p. 825.
- Steel-hardening machine. G. Wuelser. No. 1,118,723; Nov. 24; Gaz. vol. 208; p. 1257.
- Steel, Heat treatment of manganese. W. S. Potter. No. 1,123,003; Dec. 29; Gaz. vol. 209; p. 1586.
- Steel, High-speed tool. R. Becker. No. 1,096,669; May 12; Gaz. vol. 202; p. 544.
- Steel, High-speed tool. R. Becker. No. 1,099,531; June 9; Gaz. vol. 203; p. 442.
- Steel, High-speed tool. R. Becker. No. 1,099,532; June 9; Gaz. vol. 203; p. 442.
- Steel, High-speed tool. R. Furness. No. 1,095,842; May 5; Gaz. vol. 202; p. 228.
- Steel in electric furnaces with basic hearths, Treating. W. R. Walker. No. 1,086,489; Feb. 10; Gaz. vol. 199; p. 363.
- Steel ingots, Treating manganese. C. G. Osborne. No. 1,094,090; Apr. 21; Gaz. vol. 201; p. 744.
- Steel, iron, &c. Hardening or treatment of. A. W. Machlet. No. 1,092,925; Apr. 14; Gaz. vol. 201; p. 310.
- Steel, Making. W. G. Nichols. No. 1,100,905; June 23; Gaz. vol. 203; p. 1004.
- Steel, Manufacture of. G. H. Benjamin. No. 1,095,184; May 5; Gaz. vol. 202; p. 3.
- Steel, Manufacture of. W. R. Walker. No. 1,086,003; Feb. 3; Gaz. vol. 199; p. 151.
- Steel, Manufacture of manganese. W. Campbell, J. H. Hall, and H. M. Howe. No. 1,113,539; Oct. 13; Gaz. vol. 207; p. 438.
- Steel-manufacturing apparatus. G. H. Benjamin. No. 1,102,382; July 7; Gaz. vol. 204; p. 55.
- Steel or iron sheets, Oxidizing. J. E. Carnahan. No. 1,105,251; July 28; Gaz. vol. 204; p. 1187.
- Steel or iron sheets, Oxidizing. J. E. Carnahan and A. J. Maskrey. No. 1,115,281; Oct. 27; Gaz. vol. 207; p. 1142.
- Steel or iron with copper, Coating. J. E. Sheaffer. No. 1,115,870; Nov. 3; Gaz. vol. 208; p. 137.
- Steel, Process and apparatus for the manufacture of. N. E. Maccallum. (Reissue.) No. 13,782; July 28; Gaz. vol. 204; p. 1312.
- Steel, Protection of. E. M. Caffall. No. 1,098,368; June 2; Gaz. vol. 203; p. 4.
- Steel, Refining. A. Hethy. No. 1,089,410; Mar. 10; Gaz. vol. 200; p. 298.

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- Steel, Silicon-. W. E. Ruder. No. 1,110,010; Sept. 8; Gaz. vol. 206; p. 449.
- Steel, Treating. A. J. Rossi. No. 1,084,036; Jan. 13; Gaz. vol. 198; p. 288.
- Steering apparatus. S. Jacobson and F. E. Anderson. No. 1,107,073; Aug. 11; Gaz. vol. 205; p. 561.
- Steering apparatus. Steam. F. W. Thomson. No. 1,093,085; Apr. 14; Gaz. vol. 201; p. 364.
- Steering apparatus. Steam. F. W. Thomson. No. 1,098,086; Apr. 14; Gaz. vol. 201; p. 365.
- Steering attachment. A. H. Perry. No. 1,103,538; July 14; Gaz. vol. 204; p. 502.
- Steering-compensator for rowboat-motors. O. F. Fisher. No. 1,091,645; Mar. 31; Gaz. vol. 200; p. 1182.
- Steering device. O. E. Milligan. No. 1,122,145; Dec. 22; Gaz. vol. 209; p. 1249.
- Steering device, Automatic. A. T. Nelson and C. A. Klawiter. No. 1,122,794; Dec. 29; Gaz. vol. 209; p. 1513.
- Steering device for ships. F. R. Hemenger. No. 1,092,213; Apr. 7; Gaz. vol. 201; p. 31.
- Steering-engine. J. Bergesen. No. 1,116,975; Nov. 10; Gaz. vol. 208; p. 564.
- Steering-gear. C. E. Bauder. No. 1,110,103; Sept. 8; Gaz. vol. 206; p. 483.
- Steering-gear. W. A. Besserdich. No. 1,094,297; Apr. 21; Gaz. vol. 201; p. 811.
- Steering-gear. F. A. Bowman and J. E. Briggs. No. 1,109,316; Sept. 1; Gaz. vol. 206; p. 163.
- Steering-gear. W. F. Brown. No. 1,102,239; July 7; Gaz. vol. 204; p. 7.
- Steering-gear. G. R. Gates. No. 1,111,534; Sept. 22; Gaz. vol. 206; p. 1066.
- Steering-gear. M. Jubak and J. Smela. No. 1,119,703; Dec. 1; Gaz. vol. 209; p. 276.
- Steering-gear. F. C. Kainer. No. 1,089,136; Mar. 3; Gaz. vol. 200; p. 161.
- Steering-gear. M. and G. Sizaire. No. 1,120,096; Dec. 8; Gaz. vol. 209; p. 447.
- Steering-gear. J. F. Vogel. No. 1,109,718; Sept. 8; Gaz. vol. 206; p. 346.
- Steering-gear, Automatic. J. P. Lundgren. No. 1,107,973; Aug. 18; Gaz. vol. 205; p. 927.
- Steering-gear, Electrical. J. D. Williamson, Jr. No. 1,088,503; Feb. 24; Gaz. vol. 199; p. 1155.
- Steering-gear, Lock means for. J. A. and L. R. Malone. No. 1,117,510; Nov. 17; Gaz. vol. 208; p. 792.
- Steering-gear, Marine. L. C. Burns. No. 1,103,738; July 14; Gaz. vol. 204; p. 575.
- Steering-gear, Ship's. J. R. Clay. No. 1,100,420; June 16; Gaz. vol. 203; p. 786.
- Steering-guide. J. A. Stange. No. 1,105,107; July 28; Gaz. vol. 204; p. 1136.
- Steering mechanism. C. E. Brooks. No. 1,091,423; Mar. 24; Gaz. vol. 200; p. 1060.
- Steering mechanism. C. Krsien. No. 1,087,591; Feb. 17; Gaz. vol. 199; p. 797.
- Steering mechanism. O. F. Persson. No. 1,091,861; Mar. 31; Gaz. vol. 200; p. 1259.
- Steering mechanism, Automatic. M. G. Brandao. No. 1,084,392; Jan. 13; Gaz. vol. 198; p. 405.
- Steering-post light. A. S. Oliver, Jr. No. 1,105,370; July 28; Gaz. vol. 204; p. 1232.
- Steering-posts, Automatic switch and locking device for lever control of. R. Herman. No. 1,093,622; Apr. 21; Gaz. vol. 201; p. 586.
- Steering-reach rod. A. D. Wilt, Jr. No. 1,117,123; Nov. 10; Gaz. vol. 208; p. 615.
- Steering system, Ship's. J. R. Andrews. No. 1,093,964; Apr. 21; Gaz. vol. 201; p. 701.
- Steering-wheel. J. S. Hill. No. 1,091,932; Mar. 31; Gaz. vol. 200; p. 1282.
- Steering-wheel. K. Hodge. No. 1,114,762; Oct. 27; Gaz. vol. 207; p. 958.
- Steering-wheel. R. H. Scheibert. No. 1,103,438; July 14; Gaz. vol. 204; p. 468.
- Steering-wheel. C. T. Schroyer. No. 1,088,796; Mar. 3; Gaz. vol. 200; p. 42.
- Steering-wheel for motor-vehicles, Tilting. F. C. Prindle. No. 1,098,301; May 26; Gaz. vol. 202; p. 1202.
- Steering-wheel, Sectional. L. E. Laurance. No. 1,093,441; Apr. 14; Gaz. vol. 201; p. 485.
- Steering-wheels, Locking device for. J. E. Gibbons. No. 1,098,435; June 2; Gaz. vol. 203; p. 28.
- Stein, Beer-. T. P. Pick. No. 1,094,469; Apr. 28; Gaz. vol. 201; p. 931.
- Stem winding and setting mechanism. W. K. Menns. No. 1,094,582; Apr. 28; Gaz. vol. 201; p. 969.
- Stencil. F. D. Belknap. No. 1,101,240; June 23; Gaz. vol. 203; p. 1122.
- Stencil. A. B. Bostwick. No. 1,111,002; Sept. 22; Gaz. vol. 206; p. 883.
- Stencil and a cross-reference card, Simultaneous production of a. W. E. Choate. No. 1,084,314; Jan. 13; Gaz. vol. 198; p. 381.
- Stencil and making the same. A. J. McCauley. No. 1,098,745; June 2; Gaz. vol. 203; p. 133.
- Stencil fabric and producing the same. A. E. Strippel. No. 1,092,509; Apr. 7; Gaz. vol. 201; p. 134.
- Stencil for drawing structural details in technical plans. H. Seehase and E. Pansegrau. No. 1,087,326; Feb. 17; Gaz. vol. 199; p. 704.
- Stencil-machines, Sheet-attaching device for. E. A. Cox. No. 1,106,440; Aug. 11; Gaz. vol. 205; p. 339.
- Stencil-plate. F. Arrachart. No. 1,111,429; Sept. 22; Gaz. vol. 206; p. 1030.
- Stencil-rack. J. F. Carlson. No. 1,102,243; July 7; Gaz. vol. 204; p. 8.
- Stencil-sheet. F. D. Belknap. No. 1,101,241; June 23; Gaz. vol. 203; p. 1122.
- Stencil-sheet. F. D. Belknap. No. 1,101,242; June 23; Gaz. vol. 203; p. 1122.
- Stencil-sheet. A. B. Dick. No. 1,101,260; June 23; Gaz. vol. 203; p. 1128.
- Stencil-sheet. L. E. Fuller. No. 1,101,268; June 23; Gaz. vol. 203; p. 1130.
- Stencil-sheets, Forming. L. E. Fuller. No. 1,101,269; June 23; Gaz. vol. 203; p. 1131.
- Stencil-strip-making machine. S. Elliott. No. 1,121,080; Dec. 15; Gaz. vol. 209; p. 843.
- Stencil unit. W. E. Choate. No. 1,084,315; Jan. 13; Gaz. vol. 198; p. 381.
- Stencils, Making. J. H. Langrock. No. 1,103,005; July 7; Gaz. vol. 204; p. 272.
- Stencils, Preparing duplicating-. L. E. Fuller. No. 1,101,270; June 23; Gaz. vol. 203; p. 1131.
- Stenciling. W. G. Fuerth. No. 1,087,441; Feb. 17; Gaz. vol. 199; p. 745.
- Stenciling-machine. C. Gibbs. No. 1,094,713; Apr. 28; Gaz. vol. 201; p. 1019.
- Stenciling-machine. C. Gibbs and J. Sokolov. No. 1,095,275; May 5; Gaz. vol. 202; p. 34.
- Stenciling-machine. C. Gibbs and J. Sokolov. No. 1,120,381; Dec. 8; Gaz. vol. 209; p. 549.
- Stenciling-machine. S. T. Smith, Jr. No. 1,095,428; May 5; Gaz. vol. 202; p. 87.
- Stenciling material. A. B. Dick. No. 1,094,837; Apr. 28; Gaz. vol. 201; p. 1060.
- Stenciling material. A. B. Dick. No. 1,101,259; June 23; Gaz. vol. 203; p. 1128.
- Stenciling material. S. O. Edmonds. No. 1,101,262; June 23; Gaz. vol. 203; p. 1128.
- Stenciling material. W. G. Fuerth. No. 1,092,768; Apr. 7; Gaz. vol. 201; p. 221.
- Stenciling material and using the same. A. B. Dick. No. 1,101,258; June 23; Gaz. vol. 203; p. 1127.
- Step. P. O. Wheeler. No. 1,103,719; July 14; Gaz. vol. 204; p. 569.
- Step and step-operating mechanism. R. T. Senter. No. 1,103,705; Aug. 4; Gaz. vol. 205; p. 42.
- Step-by-step elevator. E. B. Barrett. No. 1,114,847; Oct. 27; Gaz. vol. 207; p. 988.
- Step-by-step mechanism. M. J. Doner. No. 1,110,751; Sept. 15; Gaz. vol. 206; p. 752.
- Step, Extension-. M. L. Hendricks. No. 1,101,437; June 23; Gaz. vol. 203; p. 1188.
- Step, Extension-. H. J. and C. A. Roebuck. No. 1,118,584; Nov. 24; Gaz. vol. 208; p. 1209.
- Step form, Cement-. H. D. Cornelius. No. 1,106,627; Aug. 11; Gaz. vol. 205; p. 409.
- Step-ladder and ironing-board, Combination. W. M. Caughlan. No. 1,119,243; Dec. 1; Gaz. vol. 209; p. 118.
- Steps, Means for operating sliding. W. S. Adams. No. 1,090,008; Mar. 10; Gaz. vol. 200; p. 506.
- Stereo apparatus for plastic reproduction. E. von Orel. No. 1,090,493; Mar. 17; Gaz. vol. 200; p. 717.
- Stereo-isohypsograph. E. von Orel. No. 1,090,494; Mar. 17; Gaz. vol. 200; p. 717.
- Stereomograph. F. Schwanhauser. No. 1,108,935; Sept. 1; Gaz. vol. 206; p. 27.
- Stereopticon. R. A. Whitehead. No. 1,110,247; Sept. 8; Gaz. vol. 206; p. 534.
- Stereopticon and motion-picture machines, Burner for. F. W. Bell. No. 1,083,654; Jan. 6; Gaz. vol. 198; p. 131.
- Stereopticon attachment. H. A. Gottlieb. No. 1,093,401; Apr. 14; Gaz. vol. 201; p. 474.
- Stereopticon-slide carrier. F. A. Apfelbaum. No. 1,116,201; Nov. 3; Gaz. vol. 208; p. 251.
- Stereopticons and the like, Slide positioning and changing mechanism for. H. N. Ott. No. 1,099,310; June 9; Gaz. vol. 203; p. 365.
- Stereopticons, Motion-slide for. E. L. Gilmore. No. 1,083,679; Jan. 6; Gaz. vol. 198; p. 139.
- Stereopticons, Motion-slide for. E. L. Gilmore. No. 1,113,610; Oct. 13; Gaz. vol. 207; p. 461.
- Stereoscope. L. C. D. A. Chéron. No. 1,114,232; Oct. 20; Gaz. vol. 207; p. 720.
- Stereoscope. J. J. Murphy. No. 1,101,948; June 30; Gaz. vol. 203; p. 1418.
- Stereoscope. J. J. Murphy. No. 1,121,529; Dec. 15; Gaz. vol. 209; p. 997.
- Stereoscope. H. C. White. No. 1,118,455; Nov. 24; Gaz. vol. 208; p. 1164.
- Stereoscope, Folding. A. Maerz. No. 1,097,601; May 19; Gaz. vol. 202; p. 911.
- Stereoscopic apparatus. G. Belmitgère. No. 1,105,395; July 28; Gaz. vol. 204; p. 1241.
- Stereoscopic ocular. C. Pulfrich. No. 1,096,642; May 12; Gaz. vol. 202; p. 536.

Alphabetical list of inventions—Continued.

- Stereotype. J. J. C. Smith. No. 1,083,890; Jan. 6; Gaz. vol. 198; p. 204.
- Stereotype-matrices, Locking device for. A. Egli. No. 1,090,842; Mar. 24; Gaz. vol. 200; p. 864.
- Stereotype-matrix-drying machine, Electrically-operated. R. J. Gibbon. No. 1,106,936; Aug. 11; Gaz. vol. 205; p. 516.
- Stereotype-matrix-making press. R. T. Johnston. No. 1,103,210; July 14; Gaz. vol. 204; p. 393.
- Stereotype-plate-finishing machine. G. Seidel. No. 1,098,177; May 26; Gaz. vol. 202; p. 1158.
- Stereotype-plates, Apparatus for shaving curved. B. J. J. Goulding. No. 1,109,831; Sept. 8; Gaz. vol. 206; p. 384.
- Stereotype-plates, Apparatus for the manufacture of curved. R. C. Annand. No. 1,117,151; Nov. 17; Gaz. vol. 208; p. 664.
- Stereotype-plates, Producing molds for casting. C. Winkler. No. 1,104,595; July 21; Gaz. vol. 204; p. 913.
- Stereotyping apparatus. C. E. Hopkins. No. 1,092,264; Apr. 7; Gaz. vol. 201; p. 48.
- Stereotyping, Preparing dry mats for. J. F. Frey. No. 1,093,323; Apr. 14; Gaz. vol. 201; p. 448.
- Stereotyping, Producing paper matrices for half-tone. N. Bendixen. No. 1,108,677; Aug. 25; Gaz. vol. 205; p. 1219.
- Sterilizer. S. S. Grosjean. No. 1,098,570; June 2; Gaz. vol. 203; p. 75.
- Sterilizer. G. F. Hall. No. 1,114,880; Oct. 27; Gaz. vol. 207; p. 1000.
- Sterilizer. J. O. Halverson. No. 1,117,039; Nov. 10; Gaz. vol. 208; p. 586.
- Sterilizer. H. Tödt. No. 1,093,500; Apr. 14; Gaz. vol. 201; p. 503.
- Sterilizer. P. G. Triquet. No. 1,089,990; Mar. 10; Gaz. vol. 200; p. 499.
- Sterilizer. A. E. Walden. No. 1,085,955; Feb. 3; Gaz. vol. 199; p. 134.
- Sterilizing and preserving apparatus. N. J. Darden. No. 1,083,731; Jan. 6; Gaz. vol. 198; p. 157.
- Sterilizing and preserving apparatus. N. J. Darden. No. 1,083,732; Jan. 6; Gaz. vol. 198; p. 158.
- Sterilizing apparatus. B. C. Olney. No. 1,114,023; Oct. 20; Gaz. vol. 207; p. 643.
- Sterilizing apparatus. M. P. Orr. No. 1,106,579; Aug. 11; Gaz. vol. 205; p. 392.
- Sterilizing apparatus. O. Weaver. No. 1,086,004; Feb. 3; Gaz. vol. 199; p. 152.
- Sterilizing-case. M. C. Hurd. No. 1,092,716; Apr. 7; Gaz. vol. 201; p. 203.
- Sterilizing-machines, Treating-chamber for. W. B. Fenn. No. 1,109,976; Sept. 8; Gaz. vol. 206; p. 438.
- Sterilizing-tank. C. B. Dalzell. No. 1,105,187; July 28; Gaz. vol. 204; p. 1164.
- Stile and rail rabbeter. C. E. Evans. No. 1,091,203; Mar. 24; Gaz. vol. 200; p. 991.
- Stile and rail rabbeter. C. E. Evans. No. 1,097,407; May 19; Gaz. vol. 202; p. 845.
- Stile or barrier. H. A. Davis. No. 1,086,315; Feb. 3; Gaz. vol. 199; p. 255.
- Still. A. G. Duncan. No. 1,116,578; Nov. 10; Gaz. vol. 208; p. 424.
- Still. E. S. Lindsey. No. 1,100,834; June 23; Gaz. vol. 203; p. 980.
- Still. C. L. Turner. No. 1,091,781; Mar. 31; Gaz. vol. 200; p. 1230.
- Still. J. A. Ullman. No. 1,113,515; Oct. 13; Gaz. vol. 207; p. 429.
- Still, Ammonia-. W. H. Wright. No. 1,114,843; Oct. 27; Gaz. vol. 207; p. 987.
- Still and water-heater. D. W. Daley. No. 1,116,804; Nov. 10; Gaz. vol. 208; p. 505.
- Still or retort. S. E. Kelsey. No. 1,092,366; Apr. 7; Gaz. vol. 201; p. 84.
- Stirrer or conveyer. D. J. Nevill. No. 1,111,084; Sept. 22; Gaz. vol. 206; p. 912.
- Stirrup. W. F. Bible, Jr. No. 1,113,093; Oct. 6; Gaz. vol. 207; p. 234.
- Stirrup. L. A. Lively. No. 1,088,598; Feb. 24; Gaz. vol. 199; p. 1185.
- Stirrup-block. E. F. Koch. No. 1,121,848; Dec. 22; Gaz. vol. 209; p. 1147.
- Stirrup-leather, Quickly-adjustable. J. W. Kerr. (Re-issue.) No. 13,778; July 21; Gaz. vol. 204; p. 973.
- Stirrup, Saddle-. S. Harms. No. 1,087,762; Feb. 17; Gaz. vol. 199; p. 856.
- Stirrup, Safety-. E. J. and A. Boyd and T. M. Slife. No. 1,111,731; Sept. 29; Gaz. vol. 206; p. 1168.
- Stirrup, Safety-. E. H. Chappell. No. 1,098,662; June 2; Gaz. vol. 203; p. 104.
- Stirrup, Safety-. J. C. Dolan and J. Lenord. No. 1,088,552; Feb. 24; Gaz. vol. 199; p. 1170.
- Stirrup, Safety-. N. S. Hensley. No. 1,122,275; Dec. 29; Gaz. vol. 209; p. 1334.
- Stirrup, Safety-. J. Kenyon. No. 1,089,227; Mar. 3; Gaz. vol. 200; p. 190.
- Stirrup, Safety-. G. Korittke. No. 1,102,762; July 7; Gaz. vol. 204; p. 189.
- Stirrup, Safety-. C. S. Neidigh. No. 1,087,503; Feb. 17; Gaz. vol. 199; p. 766.
- Stirrup, Safety-. W. A. Ostwald. No. 1,104,216; July 21; Gaz. vol. 204; p. 779.
- Stirrup, Safety-. H. C. and J. E. Upton. No. 1,083,641; Jan. 6; Gaz. vol. 198; p. 127.
- Stitch-controller, Automatic. M. Druckerman. No. 1,089,751; Mar. 10; Gaz. vol. 200; p. 418.
- Stitch-forming mechanism. O. E. Brown. No. 1,092,821; Apr. 14; Gaz. vol. 201; p. 275.
- Stitch-forming mechanism. O. E. Brown. No. 1,111,132; Sept. 22; Gaz. vol. 206; p. 928.
- Stitch-forming mechanism, Multiple-needle overedge. J. P. Weis and C. E. Johnson. No. 1,083,967; Jan. 13; Gaz. vol. 198; p. 263.
- Stitch-forming reciprocating elements, Raceway for. J. M. Merrow. No. 1,086,607; Feb. 10; Gaz. vol. 199; p. 405.
- Stitch-forming reciprocating elements, Raceway for. W. H. Stedman. No. 1,086,790; Feb. 10; Gaz. vol. 199; p. 469.
- Stitch machine, Impression or imitation. L. A. Casgrain. No. 1,109,199; Sept. 1; Gaz. vol. 206; p. 122.
- Stitch-ripper. W. A. Courtland. No. 1,097,614; May 26; Gaz. vol. 202; p. 959.
- Stitch transferring and doubling device. L. N. D. Williams. No. 1,089,174; Mar. 3; Gaz. vol. 200; p. 174.
- Stitches, Forming and setting chain-. C. P. Holmes. No. 1,096,532; May 12; Gaz. vol. 202; p. 498.
- Stitching-machine. F. C. Crofts. No. 1,101,011; June 23; Gaz. vol. 203; p. 1043.
- Stitching machine, Automatic glove-. G. B. Oathout. No. 1,121,862; Dec. 22; Gaz. vol. 209; p. 1152.
- Stitching machine, Buttonhole-. J. Kiewicz. No. 1,083,896; Jan. 6; Gaz. vol. 198; p. 206.
- Stitching-machine feeding mechanism. D. Reiser. No. 1,086,084; Feb. 3; Gaz. vol. 199; p. 181.
- Stitching-machine, Overedge. J. P. Weis. No. 1,097,381; May 19; Gaz. vol. 202; p. 836.
- Stitching machine, Pamphlet-. D. Reiser. No. 1,086,085; Feb. 3; Gaz. vol. 199; p. 182.
- Stitching machine, Pamphlet-. D. Reiser. No. 1,114,386; Oct. 20; Gaz. vol. 207; p. 773.
- Stitching machine, Pamphlet-. A. A. Sturtevant and W. H. Honiss. No. 1,114,063; Oct. 20; Gaz. vol. 207; p. 658.
- Stitching-machine work-feeding mechanism. H. Weber, Jr. No. 1,095,253; May 5; Gaz. vol. 202; p. 27.
- Stitching machines, Awl-feed adjustment for shoe-. W. R. Blair. No. 1,092,892; Apr. 14; Gaz. vol. 201; p. 299.
- Stitching machines, Guard for outsole and welt. G. E. Mongeau. No. 1,112,152; Sept. 29; Gaz. vol. 206; p. 1316.
- Stitching machines, Work-supporting table for wire-. H. H. Latham and W. Osterholm. No. 1,096,113; May 12; Gaz. vol. 202; p. 356.
- Stitching mechanism, Shoe-sole-. H. Michelsen. No. 1,083,373; Jan. 6; Gaz. vol. 198; p. 38.
- Stock and dies. H. K. Drawbaugh. No. 1,108,346; Aug. 25; Gaz. vol. 205; p. 1106.
- Stock and grain rack. F. E. Eldredge. No. 1,119,585; Dec. 1; Gaz. vol. 209; p. 237.
- Stock and poultry fountain, Automatic. J. H. Threlkeld. No. 1,102,176; June 30; Gaz. vol. 203; p. 1498.
- Stock, Apparatus for and method of bending and setting. J. W. Hice. No. 1,122,750; Dec. 29; Gaz. vol. 209; p. 1496.
- Stock-breeding appliance. A. L. Townsend. No. 1,085,954; Feb. 3; Gaz. vol. 199; p. 134.
- Stock-fountain. D. Benson. No. 1,115,049; Oct. 27; Gaz. vol. 207; p. 1060.
- Stock fountain or trough. J. Q. Clarke. No. 1,086,513; Feb. 10; Gaz. vol. 199; p. 371.
- Stock-quotation indicator. R. W. Bumstead. No. 1,114,578; Oct. 20; Gaz. vol. 207; p. 842.
- Stock-rack. O. C. Apple. No. 1,114,094; Oct. 20; Gaz. vol. 207; p. 670.
- Stock-releasing device. W. S. Knox. No. 1,092,723; Apr. 7; Gaz. vol. 201; p. 205.
- Stock-waterer. W. W. Bratcher. No. 1,094,775; Apr. 28; Gaz. vol. 201; p. 1039.
- Stocking. E. H. Beers. No. 1,116,214; Nov. 3; Gaz. vol. 208; p. 255.
- Stocking. M. E. Blessing. No. 1,111,353; Sept. 22; Gaz. vol. 206; p. 1004.
- Stocking. E. W. Decker. No. 1,119,930; Dec. 8; Gaz. vol. 209; p. 390.
- Stocking. J. R. Foster. No. 1,083,735; Jan. 6; Gaz. vol. 198; p. 159.
- Stocking. G. A. Landenberger. No. 1,111,658; Sept. 22; Gaz. vol. 206; p. 1110.
- Stocking. J. Samuels. No. 1,119,884; Dec. 8; Gaz. vol. 209; p. 374.
- Stocking. J. Samuels. No. 1,123,014; Dec. 29; Gaz. vol. 209; p. 1591.
- Stocking and knitting the same, Seamless. E. E. Kilbourn. W. E. Smith, and I. W. Kilbourn. No. 1,110,443; Sept. 15; Gaz. vol. 206; p. 644.
- Stocking and making same. H. H. West. No. 1,117,934; Nov. 17; Gaz. vol. 208; p. 939.
- Stocking and making the same. R. W. Scott. No. 1,114,298; Oct. 20; Gaz. vol. 207; p. 743.

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- Stocking attachment. J. Samuels. No. 1,123,015; Dec. 29; Gaz. vol. 209; p. 1591.
- Stocking-drier. W. M. Schwartz and H. Coulston. No. 1,112,329; Sept. 29; Gaz. vol. 206; p. 1378.
- Stocking drying and shaping form. E. R. Applin. No. 1,103,245; July 14; Gaz. vol. 204; p. 405.
- Stocking-drying former. C. B. Upp. No. 1,106,260; Aug. 4; Gaz. vol. 205; p. 233.
- Stocking-form. A. B. Eastwood. No. 1,104,348; July 21; Gaz. vol. 204; p. 825.
- Stocking mechanism. G. Morrison, Jr. No. 1,115,004; Oct. 27; Gaz. vol. 207; p. 1045.
- Stocking, Reinforced. A. Hale. No. 1,106,208; Aug. 4; Gaz. vol. 205; p. 217.
- Stocking-wetling machine. J. P. Weis. No. 1,118,322; Nov. 24; Gaz. vol. 208; p. 1114.
- Stogies, Container for. G. H. Schmunk. No. 1,112,328; Sept. 29; Gaz. vol. 206; p. 1377.
- Stogies, Packing. G. H. Schmunk. No. 1,097,142; May 19; Gaz. vol. 202; p. 753.
- Stoker. D. F. Crawford. No. 1,119,927; Dec. 8; Gaz. vol. 209; p. 389.
- Stoker. H. B. Holt. No. 1,122,203; Dec. 22; Gaz. vol. 209; p. 1268.
- Stoker. W. M. Stewart. No. 1,118,068; Nov. 24; Gaz. vol. 208; p. 1027.
- Stoker, Automatic. W. C. A. Henry. No. 1,096,106; May 12; Gaz. vol. 202; p. 353.
- Stoker, Automatic. E. A. and J. E. Jones. No. 1,107,217; Aug. 11; Gaz. vol. 205; p. 613.
- Stoker, Automatic. D. T. Williams. No. 1,118,985; Dec. 1; Gaz. vol. 209; p. 28.
- Stoker, Automatic. D. T. Williams. No. 1,120,174; Dec. 8; Gaz. vol. 209; p. 475.
- Stoker, Automatic. H. L. Williams. No. 1,096,877; May 19; Gaz. vol. 202; p. 658.
- Stoker, Automatic. C. D. Young. No. 1,113,398; Oct. 13; Gaz. vol. 207; p. 387.
- Stoker, Chain-grate. W. A. Jones. No. 1,117,395; Nov. 17; Gaz. vol. 208; p. 752.
- Stoker, Chain-grate. J. H. Rosenthal and C. S. Davy. No. 1,091,166; Mar. 24; Gaz. vol. 200; p. 978.
- Stoker-controlling mechanism. W. J. Kenny and H. P. Grohn. No. 1,087,952; Feb. 24; Gaz. vol. 199; p. 968.
- Stoker, Fluid-blast. J. M. and F. W. Shults. No. 1,109,367; Sept. 1; Gaz. vol. 206; p. 182.
- Stoker for boiler and like furnaces, Mechanical. G. de Grahl. No. 1,098,565; June 2; Gaz. vol. 203; p. 74.
- Stoker for boiler and like furnaces, Mechanical. G. de Grahl. No. 1,098,566; June 2; Gaz. vol. 203; p. 74.
- Stoker for firing locomotive-furnaces, Mechanical. N. E. Gee. No. 1,103,407; July 14; Gaz. vol. 204; p. 457.
- Stoker for furnaces and boilers of the underfeed type. J. McCulloch. No. 1,113,569; Oct. 13; Gaz. vol. 207; p. 447.
- Stoker for locomotives, Automatic. P. M. Thayer. No. 1,109,802; Sept. 8; Gaz. vol. 206; p. 373.
- Stoker for promoting smokeless combustion, Mechanical. K. Yano. No. 1,116,664; Nov. 10; Gaz. vol. 208; p. 457.
- Stoker for underfeed furnace-grates. F. E. Davis. No. 1,085,248; Jan. 27; Gaz. vol. 198; p. 761.
- Stoker, Locomotive. D. F. Crawford. No. 1,083,432; Jan. 6; Gaz. vol. 198; p. 59.
- Stoker, Locomotive. N. E. Gee. No. 1,103,406; July 14; Gaz. vol. 204; p. 457.
- Stoker, Mechanical. F. M. Clark. No. 1,120,445; Dec. 8; Gaz. vol. 209; p. 572.
- Stoker, Mechanical. W. M. Duncan. No. 1,088,772; Mar. 3; Gaz. vol. 200; p. 33.
- Stoker, Mechanical. A. G. Elvin. No. 1,111,531; Sept. 22; Gaz. vol. 206; p. 1065.
- Stoker, Mechanical. F. C. Fosdick. No. 1,089,697; Mar. 10; Gaz. vol. 200; p. 399.
- Stoker, Mechanical. H. Iserman. No. 1,114,142; Oct. 20; Gaz. vol. 207; p. 686.
- Stoker, Mechanical. G. B. Rait. No. 1,085,630; Feb. 3; Gaz. vol. 199; p. 18.
- Stoker, Mechanical. R. S. Riley. No. 1,107,842; Aug. 18; Gaz. vol. 205; p. 883.
- Stoker, Mechanical. F. M. Underwood. No. 1,091,406; Mar. 24; Gaz. vol. 200; p. 1055.
- Stoker, Mechanical. W. R. Wood. No. 1,087,155; Feb. 17; Gaz. vol. 199; p. 643.
- Stoker, Positive-cleaning and self-dumping. R. S. Riley. No. 1,090,651; Mar. 17; Gaz. vol. 200; p. 770.
- Stoker, Rotating mechanical. S. H. Dunning. No. 1,118,748; Nov. 24; Gaz. vol. 208; p. 1264.
- Stokers, Feeding fuel in blast-feed. W. T. Hanna. (Re-issue.) No. 13,761; June 30; Gaz. vol. 203; p. 1520.
- Stone and its production, Porous artificial. J. W. Aylsworth and F. L. Dyer. No. 1,087,098; Feb. 17; Gaz. vol. 199; p. 623.
- Stone, Apparatus for making artificial. F. R. Stehm. No. 1,101,578; June 30; Gaz. vol. 203; p. 1289.
- Stone, Apparatus for manufacturing artificial. J. W. Hughes. No. 1,100,374; June 16; Gaz. vol. 203; p. 769.
- Stone, Artificial. P. Kuhn. No. 1,105,979; Aug. 4; Gaz. vol. 205; p. 137.
- Stone composition, Artificial. W. Heslop. No. 1,105,905; Aug. 4; Gaz. vol. 205; p. 111.
- Stone, Composition for the manufacture of artificial. W. H. Good. No. 1,100,478; June 16; Gaz. vol. 203; p. 805.
- Stone, Cutting. E. A. Chase. No. 1,095,707; May 5; Gaz. vol. 202; p. 182.
- Stone-cutting machine. E. A. Chase. No. 1,095,708; May 5; Gaz. vol. 202; p. 183.
- Stone-cutting machine. A. Lautz. No. 1,097,034; May 19; Gaz. vol. 202; p. 714.
- Stone-cutting machine. A. W. Pratt. No. 1,113,828; Oct. 13; Gaz. vol. 207; p. 538.
- Stone-dressing machine. H. J. Beck. No. 1,089,104; Mar. 3; Gaz. vol. 200; p. 147.
- Stone from natural-rock waste, Production of artificial. W. Laufer. No. 1,094,727; Apr. 28; Gaz. vol. 201; p. 1024.
- Stone-gathering machine. J. B. Conine. No. 1,106,190; Aug. 4; Gaz. vol. 205; p. 211.
- Stone-gathering machine. J. O. Richard. No. 1,090,231; Mar. 17; Gaz. vol. 200; p. 624.
- Stone machine, Artificial. F. R. Stehm. No. 1,100,452; June 16; Gaz. vol. 203; p. 796.
- Stone, Manufacturing artificial. M. H. Avram. No. 1,102,851; July 7; Gaz. vol. 204; p. 219.
- Stone or wet molds, Drying artificial. S. Davidson. No. 1,090,387; Mar. 17; Gaz. vol. 200; p. 679.
- Stone-picker. J. K. Zug. No. 1,098,207; May 26; Gaz. vol. 202; p. 1168.
- Stone-picking machine. O. Gingras and J. Couture. No. 1,122,101; Dec. 22; Gaz. vol. 209; p. 1235.
- Stone, Process and apparatus for manufacturing. C. W. Thomas. No. 1,093,363; Apr. 14; Gaz. vol. 201; p. 460.
- Stone pulp, Device for removing water from layers of artificial. A. Hermann. No. 1,083,279; Jan. 6; Gaz. vol. 198; p. 6.
- Stone-saw apparatus. G. H. Bickford. No. 1,097,747; May 26; Gaz. vol. 202; p. 1008.
- Stone-sawing machine. D. W. Parker. No. 1,095,415; May 5; Gaz. vol. 202; p. 82.
- Stone shingles, Machine for making artificial. C. Sivertson and O. Segrow. No. 1,085,706; Feb. 3; Gaz. vol. 199; p. 44.
- Stone-splitting machine. E. A. Stroud. No. 1,117,926; Nov. 17; Gaz. vol. 208; p. 936.
- Stone, Tool for treating artificial. J. O. Berg. No. 1,102,856; July 7; Gaz. vol. 204; p. 221.
- Stone, &c., Treating artificial. C. H. Seaman. No. 1,085,227; Jan. 27; Gaz. vol. 198; p. 753.
- Stone washer and drier. W. Lange. No. 1,120,316; Dec. 8; Gaz. vol. 209; p. 525.
- Stones and clay products, Preparation of refacing and hardening flattening. F. M. Basile. No. 1,110,808; Sept. 15; Gaz. vol. 206; p. 772.
- Stones from clay, Means for separating. R. W. Lyle. No. 1,092,780; Apr. 7; Gaz. vol. 201; p. 225.
- Stoneworking-machine. J. O. Gyger. No. 1,102,190; June 30; Gaz. vol. 203; p. 1503.
- Stoneworking-machine. L. Muste. No. 1,091,949; Mar. 31; Gaz. vol. 200; p. 1288.
- Stoneworking-machine, Universal. O. Bauer. No. 1,112,250; Sept. 29; Gaz. vol. 206; p. 1352.
- Stool. E. C. Hurlbert. No. 1,111,586; Sept. 22; Gaz. vol. 206; p. 1084.
- Stool. J. L. Kunkle. No. 1,120,509; Dec. 8; Gaz. vol. 209; p. 594.
- Stool, Adjustable. G. O. Johnson. No. 1,092,445; Apr. 7; Gaz. vol. 201; p. 112.
- Stool, Adjustable. J. H. Steinmetz. No. 1,114,062; Oct. 20; Gaz. vol. 207; p. 658.
- Stool, Adjustable. J. H. Steinmetz. No. 1,116,947; Nov. 10; Gaz. vol. 208; p. 555.
- Stool, Milking. A. J. Hood. No. 1,107,521; Aug. 18; Gaz. vol. 205; p. 769.
- Stool, Milking. W. McMahon. No. 1,122,143; Dec. 22; Gaz. vol. 209; p. 1248.
- Stool, Piano. E. Schwarz. No. 1,113,696; Oct. 13; Gaz. vol. 207; p. 490.
- Stool, Stepping. A. W. Tellander. No. 1,095,945; May 5; Gaz. vol. 202; p. 261.
- Stop and waste, Compression. A. E. Bacon. No. 1,096,885; May 19; Gaz. vol. 202; p. 661.
- Stop, Automatic. A. R. Tye. No. 1,094,037; Apr. 21; Gaz. vol. 201; p. 725.
- Stop device, Automatic. R. C. Wootten. No. 1,102,707; July 7; Gaz. vol. 204; p. 169.
- Stop mechanism. B. F. Mayo. No. 1,091,071; Mar. 24; Gaz. vol. 200; p. 945.
- Stop mechanism. F. J. Nash. No. 1,093,588; Apr. 14; Gaz. vol. 201; p. 531.
- Stop mechanism. W. H. Schoonmaker. No. 1,121,138; Dec. 15; Gaz. vol. 209; p. 865.
- Stop mechanism, Automatic. J. Pedery. No. 1,107,343; Aug. 18; Gaz. vol. 205; p. 706.
- Stop mechanism for machinery. D. M. Cooper. No. 1,103,867; July 14; Gaz. vol. 204; p. 619.
- Stop mechanism, Safety. R. A. Beausejour. No. 1,117,545; Nov. 17; Gaz. vol. 208; p. 804.
- Stop-motion. J. Good. No. 1,094,435; Apr. 28; Gaz. vol. 201; p. 917.

Alphabetical list of inventions—Continued.

- Stop-motion. D. B. Hathaway. No. 1,117,489; Nov. 17; Gaz. vol. 208; p. 785.
- Stop-motion. K. Sloat. No. 1,099,772; June 9; Gaz. vol. 203; p. 523.
- Stop-motion device. L. von Sazenhofen. No. 1,120,547; Dec. 8; Gaz. vol. 209; p. 608.
- Stop-motion device. T. C. Sheehan. No. 1,123,025; Dec. 29; Gaz. vol. 209; p. 1594.
- Stop-motion, Feeler. C. W. Asman. No. 1,103,340; July 14; Gaz. vol. 204; p. 436.
- Stop-motion for speeders. E. L. Jackson. No. 1,092,364; Apr. 7; Gaz. vol. 201; p. 83.
- Stop, Safety limit-. L. C. Hart. No. 1,113,337; Oct. 13; Gaz. vol. 207; p. 366.
- Stopper: See Bottle-stopper; Bottle or jar stopper; Container-stopper; Flue-stopper; Leak-stopper; Sheet-metal stopper.
- Stopper. T. C. Spelling. No. 1,118,244; Nov. 24; Gaz. vol. 208; p. 1086.
- Stopper. C. F. Tukey. No. 1,096,969; May 19; Gaz. vol. 202; p. 692.
- Stopper and extractor therefor. A. L. Newsom. No. 1,093,288; Apr. 14; Gaz. vol. 201; p. 435.
- Stopper-cap. R. H. Maloney. No. 1,083,849; Jan. 6; Gaz. vol. 198; p. 193.
- Stopper-extractor. J. J. Charvat. No. 1,086,645; Feb. 10; Gaz. vol. 199; p. 418.
- Stopper-extractor. E. J. Doheny. No. 1,091,301; Mar. 24; Gaz. vol. 200; p. 1023.
- Stopper-feeding mechanism, Bottle-. T. A. Nissinen and C. Hartwig. No. 1,094,163; Apr. 21; Gaz. vol. 201; p. 769.
- Stopper for condiment-holders. I. S. Slade. No. 1,102,302; July 7; Gaz. vol. 204; p. 28.
- Stopper-head and sleeve-brick. H. Teeter. No. 1,085,181; Jan. 27; Gaz. vol. 198; p. 737.
- Stopping device, Automatic. W. H. Yetman. No. 1,083,315; Jan. 6; Gaz. vol. 198; p. 19.
- Storage battery. T. A. Edison. No. 1,083,356; Jan. 6; Gaz. vol. 198; p. 32.
- Storage battery. F. M. Holmes. No. 1,116,818; Nov. 10; Gaz. vol. 208; p. 511.
- Storage battery. H. C. Hubbell. No. 1,113,348; Oct. 13; Gaz. vol. 207; p. 369.
- Storage battery. W. E. Poole. No. 1,114,802; Oct. 27; Gaz. vol. 207; p. 972.
- Storage battery. W. E. Poole. No. 1,115,018; Oct. 27; Gaz. vol. 207; p. 1050.
- Storage battery. A. H. Snyder. No. 1,112,861; Oct. 6; Gaz. vol. 207; p. 158.
- Storage-bin. R. E. Baker. No. 1,088,762; Mar. 3; Gaz. vol. 200; p. 30.
- Storage-bin. W. F. Watkins. No. 1,112,952; Oct. 6; Gaz. vol. 207; p. 188.
- Storage bin or hopper. W. B. Wright. No. 1,094,826; Apr. 28; Gaz. vol. 201; p. 1057.
- Storage-case. A. P. Odell. No. 1,106,236; Aug. 4; Gaz. vol. 205; p. 225.
- Storage-rack. F. Kuhn. No. 1,119,837; Dec. 8; Gaz. vol. 209; p. 358.
- Storage-tank. O. W. Willcox and L. F. Lemp. No. 1,121,057; Dec. 15; Gaz. vol. 209; p. 835.
- Storage tank or container. W. Whigham. No. 1,118,714; Nov. 24; Gaz. vol. 208; p. 1254.
- Storage vessels, Guard and indicator for. F. B. Easton. No. 1,105,068; July 28; Gaz. vol. 204; p. 1124.
- Store-front construction. C. S. Thorne. No. 1,085,229; Jan. 27; Gaz. vol. 198; p. 754.
- Store-front construction, Ventilated-. G. C. Hester. No. 1,083,830; Jan. 6; Gaz. vol. 198; p. 187.
- Store-service apparatus. C. P. Hidden. No. 1,122,597; Dec. 29; Gaz. vol. 209; p. 1442.
- Store-service apparatus. G. Jacobs. No. 1,111,835; Sept. 29; Gaz. vol. 206; p. 1209.
- Store-service apparatus. C. S. Jennings. No. 1,087,948; Feb. 24; Gaz. vol. 199; p. 966.
- Store-service apparatus. C. J. Miller. No. 1,085,752; Feb. 3; Gaz. vol. 199; p. 62.
- Store-service apparatus. C. J. Miller. No. 1,118,037; Nov. 24; Gaz. vol. 208; p. 1015.
- Store-service apparatus. F. D. Powell. No. 1,097,560; May 19; Gaz. vol. 202; p. 896.
- Store-service apparatus. F. D. Powell. No. 1,118,048; Nov. 24; Gaz. vol. 208; p. 1020.
- Store-service apparatus. H. L. Wilson. No. 1,085,777; Feb. 3; Gaz. vol. 199; p. 72.
- Store-service apparatus, Device for. F. D. Powell. No. 1,096,053; May 12; Gaz. vol. 202; p. 336.
- Store-service-credit-system apparatus. C. F. Kettering. No. 1,108,185; Aug. 25; Gaz. vol. 205; p. 1049.
- Store-service credit system apparatus. C. F. Kettering. No. 1,122,605; Dec. 29; Gaz. vol. 209; p. 1445.
- Store-service system. V. F. King. No. 1,122,608; Dec. 29; Gaz. vol. 209; p. 1446.
- Stove. A. L. Castle. No. 1,108,336; Aug. 25; Gaz. vol. 205; p. 1102.
- Stove. L. S. Chadwick. No. 1,122,857; Dec. 29; Gaz. vol. 209; p. 1535.
- Stove. E. V. Coulston. No. 1,098,097; May 26; Gaz. vol. 202; p. 1132.
- Stove. F. J. Doyle. No. 1,108,977; Sept. 1; Gaz. vol. 206; p. 42.
- Stove. H. Dulz. No. 1,113,760; Oct. 13; Gaz. vol. 207; p. 514.
- Stove. J. B. Gohmann. No. 1,091,833; Mar. 31; Gaz. vol. 200; p. 1248.
- Stove. J. J. Hickey. No. 1,098,798; June 2; Gaz. vol. 203; p. 149.
- Stove. L. A. Knowles. No. 1,085,740; Feb. 3; Gaz. vol. 199; p. 57.
- Stove. C. A. Notman. No. 1,105,683; Aug. 4; Gaz. vol. 205; p. 33.
- Stove. W. H. Ryer, Sr. No. 1,116,742; Nov. 10; Gaz. vol. 208; p. 482.
- Stove. W. E. Scripps. No. 1,107,712; Aug. 18; Gaz. vol. 205; p. 838.
- Stove. S. P. Smith. No. 1,105,856; Aug. 4; Gaz. vol. 205; p. 95.
- Stove. C. A. Wilkinson. No. 1,108,648; Aug. 25; Gaz. vol. 205; p. 1210.
- Stove. J. C. Ziegler. No. 1,110,854; Sept. 15; Gaz. vol. 206; p. 788.
- Stove and fireless cooker, Combined. J. B. Van Etten. No. 1,113,072; Oct. 6; Gaz. vol. 207; p. 228.
- Stove and furnace. G. G. Garey. No. 1,114,248; Oct. 20; Gaz. vol. 207; p. 726.
- Stove and range, Cook. C. Ottershagen. No. 1,102,430; July 7; Gaz. vol. 204; p. 74.
- Stove and range, Cooking. W. N. Goldhamer. No. 1,103,140; July 14; Gaz. vol. 204; p. 367.
- Stove and washing-machine boiler, Combined laundry gas-. R. Ramsek. No. 1,103,313; July 14; Gaz. vol. 204; p. 427.
- Stove ash-pan. H. Gnoth. No. 1,095,276; May 5; Gaz. vol. 202; p. 35.
- Stove attachment. D. B. Bartel. No. 1,085,007; Jan. 20; Gaz. vol. 198; p. 641.
- Stove attachment. A. A. Gladden. No. 1,090,045; Mar. 10; Gaz. vol. 200; p. 518.
- Stove attachment. F. G. Lawrence. No. 1,096,039; May 12; Gaz. vol. 202; p. 331.
- Stove automatic burner, Gas-. G. Bruton. No. 1,108,861; Aug. 25; Gaz. vol. 205; p. 1284.
- Stove, Collapsible. E. Davis. No. 1,092,027; Mar. 31; Gaz. vol. 200; p. 1311.
- Stove, Collapsible. E. C. Moats. No. 1,096,739; May 12; Gaz. vol. 202; p. 568.
- Stove controller, Gas-. S. F. Minton. No. 1,093,872; Apr. 21; Gaz. vol. 201; p. 671.
- Stove, Cook-. E. M. Jones. No. 1,100,890; June 23; Gaz. vol. 203; p. 999.
- Stove, Cook-. G. W. Montgomery. No. 1,083,692; Jan. 6; Gaz. vol. 198; p. 143.
- Stove, Cooking-. K. Alt. No. 1,088,251; Feb. 24; Gaz. vol. 199; p. 1071.
- Stove-door. A. L. Castle. No. 1,108,698; Aug. 25; Gaz. vol. 205; p. 1227.
- Stove, Electric. W. V. Hardy. No. 1,118,763; Nov. 24; Gaz. vol. 208; p. 1268.
- Stove, Electric. C. S. Steward. No. 1,087,199; Feb. 17; Gaz. vol. 199; p. 658.
- Stove, Electrically-heated. T. S. Perkins and E. E. Rose. No. 1,090,339; Mar. 17; Gaz. vol. 200; p. 662.
- Stove, Foldable gas-. R. S. Way. No. 1,092,681; Apr. 7; Gaz. vol. 201; p. 192.
- Stove, Galley-. R. L. Paulson. No. 1,090,226; Mar. 17; Gaz. vol. 200; p. 622.
- Stove, Galley-. R. L. Paulson. No. 1,090,227; Mar. 17; Gaz. vol. 200; p. 622.
- Stove, Gas-. J. W. Ashbaugh. No. 1,115,765; Nov. 3; Gaz. vol. 208; p. 100.
- Stove, Gas-. F. Will and H. Becker. No. 1,089,172; Mar. 3; Gaz. vol. 200; p. 173.
- Stove, Gas-. C. C. Coulter. No. 1,123,175; Dec. 29; Gaz. vol. 209; p. 1648.
- Stove, Gas-. C. F. and F. L. Grady. No. 1,091,649; Mar. 31; Gaz. vol. 200; p. 1183.
- Stove, Gas-. H. C. Maul. No. 1,089,422; Mar. 10; Gaz. vol. 200; p. 302.
- Stove, Gas-. O. C. Syvertsen. No. 1,088,849; Mar. 3; Gaz. vol. 200; p. 60.
- Stove, Gas-. J. M. Tobias. No. 1,121,691; Dec. 22; Gaz. vol. 209; p. 1091.
- Stove, Gas-burning. J. C. Ziegler. No. 1,116,665; Nov. 10; Gaz. vol. 208; p. 457.
- Stove, Gas cooking-. E. V. Coulston. No. 1,120,032; Dec. 8; Gaz. vol. 209; p. 426.
- Stove, Gas cooking-. C. E. Wills. No. 1,108,650; Aug. 25; Gaz. vol. 205; p. 1211.
- Stove, Gas heating-. J. M. Tobias. No. 1,093,499; Apr. 14; Gaz. vol. 201; p. 502.
- Stove-grate. S. Henderson. No. 1,102,267; July 7; Gaz. vol. 204; p. 16.
- Stove, Heating-. E. W. Hake. No. 1,099,359; June 9; Gaz. vol. 203; p. 384.
- Stove, Heating-. G. W. Howes. No. 1,106,871; Aug. 11; Gaz. vol. 205; p. 493.
- Stove, Heating-. E. F. and C. C. Paquin. No. 1,112,027; Sept. 29; Gaz. vol. 206; p. 1272.
- Stove, Heating-. W. S. Price. No. 1,122,536; Dec. 29; Gaz. vol. 209; p. 1421.

Alphabetical list of inventions—Continued.

- Stove, Heating-. O. C. Williams. No. 1,105,944; Aug. 4; Gaz. vol. 205; p. 125.
- Stove, Heating-. J. M. Wishart. No. 1,121,440; Dec. 15; Gaz. vol. 209; p. 968.
- Stove, Hot-blast. J. E. Hausfeld. No. 1,121,557; Dec. 15; Gaz. vol. 209; p. 1008.
- Stove, Hot-blast. G. H. Smith. No. 1,114,403; Oct. 20; Gaz. vol. 207; p. 779.
- Stove-key-plate ratchet-support. J. E. Leonard. No. 1,095,333; May 5; Gaz. vol. 202; p. 55.
- Stove, Knockdown. L. B. and N. Goldberg. No. 1,106,555; Aug. 11; Gaz. vol. 205; p. 383.
- Stove, Knockdown or collapsible. O. C. Kemp. No. 1,094,151; Apr. 21; Gaz. vol. 201; p. 764.
- Stove, Laundry-. W. I. Gong. No. 1,096,105; May 12; Gaz. vol. 202; p. 353.
- Stove-lid. J. Braubach. No. 1,095,075; Apr. 28; Gaz. vol. 201; p. 1142.
- Stove-lid. W. H. Cloud. No. 1,103,565; July 14; Gaz. vol. 204; p. 513.
- Stove-lid. W. J. M. Graves. No. 1,087,487; Feb. 17; Gaz. vol. 199; p. 760.
- Stove-lid. N. E. Rice. No. 1,117,091; Nov. 10; Gaz. vol. 208; p. 605.
- Stove-lid lifter. H. Lawrence. No. 1,103,780; July 14; Gaz. vol. 204; p. 589.
- Stove lid or cover. P. Becker. No. 1,104,163; July 21; Gaz. vol. 204; p. 761.
- Stove-lifter. E. J. H. Ellingen. No. 1,122,374; Dec. 29; Gaz. vol. 209; p. 1366.
- Stove, Oil-. J. L. Cox. No. 1,104,966; July 28; Gaz. vol. 204; p. 1089.
- Stove, Oil-. R. Hoffman. No. 1,092,261; Apr. 7; Gaz. vol. 201; p. 47.
- Stove, Oil-. R. Hoffman. No. 1,094,149; Apr. 21; Gaz. vol. 201; p. 764.
- Stove, Oil-. L. Stockstrom. No. 1,103,703; July 14; Gaz. vol. 204; p. 564.
- Stove, Oil or gas cooking-. J. W. Seale. No. 1,096,200; May 12; Gaz. vol. 202; p. 384.
- Stove or cooker, Fireless cook-. E. L. Brown and M. Murphy. No. 1,110,184; Sept. 8; Gaz. vol. 206; p. 513.
- Stove or iron, Electric. G. Wenzelmann. No. 1,093,510; Apr. 14; Gaz. vol. 201; p. 506.
- Stove or range. E. Lucerino. No. 1,119,182; Dec. 1; Gaz. vol. 209; p. 99.
- Stove or range, Combination coal and gas. M. L. Scanlon. No. 1,121,207; Dec. 15; Gaz. vol. 209; p. 888.
- Stove or range, Cook. L. C. Matthews. No. 1,100,318; June 16; Gaz. vol. 203; p. 750.
- Stove-polish. F. Cameron, Jr. No. 1,094,302; Apr. 21; Gaz. vol. 201; p. 813.
- Stove, Portable. F. E. Dodds. No. 1,118,537; Nov. 24; Gaz. vol. 208; p. 1192.
- Stove, Portable knockdown. C. Wamble. No. 1,084,509; Jan. 13; Gaz. vol. 198; p. 441.
- Stove reservoir, Oil-. A. J. Lindemann. No. 1,120,827; Dec. 15; Gaz. vol. 209; p. 754.
- Stove, Reversible. F. G. Sutton. No. 1,094,758; Apr. 28; Gaz. vol. 201; p. 1034.
- Stove-top support. G. E. Heidbreder and A. Ohnemus. No. 1,103,673; July 14; Gaz. vol. 204; p. 554.
- Stove-top supporting device. J. E. Kennedy. No. 1,092,916; Apr. 14; Gaz. vol. 201; p. 307.
- Stove water-back, Gas-. A. Heagele. No. 1,101,279; June 23; Gaz. vol. 203; p. 1134.
- Stoves and furnaces, Grate for. V. M. Haas. No. 1,121,180; Dec. 15; Gaz. vol. 209; p. 879.
- Stoves and ranges, Water-heater for combination. P. A. Britt. No. 1,105,616; Aug. 4; Gaz. vol. 205; p. 10.
- Stoves and ranges, Water-reservoir attachment for. G. G. Garey. No. 1,115,063; Oct. 27; Gaz. vol. 207; p. 1066.
- Stoves, Automatic gas-saving attachment for gas-. L. H. Bear. No. 1,090,094; Mar. 10; Gaz. vol. 200; p. 535.
- Stoves, Heat-distributing attachment for. M. S. C. Hartmann. No. 1,101,926; June 30; Gaz. vol. 203; p. 1409.
- Stoves, Means for raising combustion-tubes on blue-flame wick-. H. Ruppel. No. 1,103,845; July 14; Gaz. vol. 204; p. 611.
- Stoves, ranges, and the like, Lid for. W. B. Evans. No. 1,084,879; Jan. 20; Gaz. vol. 198; p. 599.
- Stoves, Reservoir for oil-. J. S. Brennan. No. 1,118,263; Nov. 24; Gaz. vol. 208; p. 1093.
- Stoves, Safety-valve for gas-. L. Knezek. No. 1,121,024; Dec. 15; Gaz. vol. 209; p. 823.
- Stoves, Seamless aluminum well for fireless cook-. M. Murphy. No. 1,117,889; Nov. 17; Gaz. vol. 208; p. 925.
- Stoves, Water-boiling attachment for gas-. C. Lefebure. No. 1,083,884; Jan. 6; Gaz. vol. 198; p. 203.
- Stoves, Water-heating appliance for gas-. C. H. Glese. No. 1,111,148; Sept. 22; Gaz. vol. 206; p. 934.
- Stoves, Water-heating attachment for. E. A. Mills and R. H. Richards. No. 1,094,341; Apr. 21; Gaz. vol. 201; p. 824.
- Stoves, Wick-regulator for blue-flame wick-. H. Ruppel. No. 1,113,835; Oct. 13; Gaz. vol. 207; p. 541.
- Stovepipe. T. M. Hopkins. No. 1,111,384; Sept. 22; Gaz. vol. 206; p. 1014.
- Stovepipe. H. W. Kerstner. No. 1,095,884; May 5; Gaz. vol. 202; p. 242.
- Stovepipe-anchor. J. Roth. No. 1,101,096; June 23; Gaz. vol. 203; p. 1072.
- Stovepipe-anchor. J. M. Wilson. No. 1,122,832; Dec. 29; Gaz. vol. 209; p. 1527.
- Stovepipe cleaner and damper. W. J. Sexton. No. 1,085,304; Jan. 27; Gaz. vol. 198; p. 781.
- Stovepipe-cutter. T. C. Fyhrle. No. 1,086,286; Feb. 3; Gaz. vol. 199; p. 247.
- Stovepipe-elbow. W. Howd. No. 1,101,283; June 23; Gaz. vol. 203; p. 1135.
- Stovepipe-elbows, Device for casting. J. Soderberg. No. 1,117,269; Nov. 17; Gaz. vol. 208; p. 707.
- Stovepipe-fastener. S. G. Givens and H. Lewis. No. 1,097,423; May 19; Gaz. vol. 202; p. 850.
- Stovepipe-fastener. N. Hannahs. No. 1,099,797; June 9; Gaz. vol. 203; p. 533.
- Stovepipe-fastener. L. A. Lowe. No. 1,112,814; Oct. 6; Gaz. vol. 207; p. 141.
- Stovepipe-fastener. W. C. Pratt. No. 1,090,649; Mar. 17; Gaz. vol. 200; p. 770.
- Stovepipe-fastener. J. Takács. No. 1,117,142; Nov. 10; Gaz. vol. 208; p. 623.
- Stovepipe-fastener. T. F. White. No. 1,103,235; July 14; Gaz. vol. 204; p. 401.
- Stovepipe-holder, Adjustable. J. W. James. No. 1,110,938; Sept. 15; Gaz. vol. 206; p. 818.
- Stovepipe-lock. D. R. Barton. No. 1,109,030; Sept. 1; Gaz. vol. 206; p. 62.
- Stovepipe or chimney thimble. W. Petersen. No. 1,088,718; Mar. 3; Gaz. vol. 200; p. 17.
- Stovepipe-shield. E. Gier. No. 1,094,066; Apr. 21; Gaz. vol. 201; p. 735.
- Stovepipe-thimble. E. E. Morlan. No. 1,097,557; May 19; Gaz. vol. 202; p. 895.
- Straight-edge. G. W. Penn. No. 1,115,101; Oct. 27; Gaz. vol. 207; p. 1079.
- Straight-edge implement. A. A. Wilson. No. 1,102,115; June 30; Gaz. vol. 203; p. 1478.
- Straightening-machine. B. Boykin, Jr. No. 1,096,349; May 12; Gaz. vol. 202; p. 438.
- Straightening-machine. G. W. Sargent and J. W. Weitzenkorn. No. 1,119,044; Dec. 1; Gaz. vol. 209; p. 52.
- Strainer. C. F. Brown. No. 1,116,234; Nov. 3; Gaz. vol. 208; p. 263.
- Strainer. A. B. Chapin. No. 1,115,505; Nov. 3; Gaz. vol. 208; p. 14.
- Strainer. H. B. Douglas. No. 1,110,483; Sept. 15; Gaz. vol. 206; p. 659.
- Strainer. W. P. Hall. No. 1,122,745; Dec. 29; Gaz. vol. 209; p. 1494.
- Strainer. W. Harling. No. 1,117,375; Nov. 17; Gaz. vol. 208; p. 745.
- Strainer. E. E. Hauer. No. 1,102,747; July 7; Gaz. vol. 204; p. 184.
- Strainer. A. E. Krause. No. 1,111,470; Sept. 22; Gaz. vol. 206; p. 1044.
- Strainer. A. E. Krause. No. 1,111,471; Sept. 22; Gaz. vol. 206; p. 1044.
- Strainer. C. F. Overly. No. 1,102,791; July 7; Gaz. vol. 204; p. 198.
- Strainer. C. R. Vinquist. No. 1,088,307; Feb. 24; Gaz. vol. 199; p. 1091.
- Strainer and brush-holder, Combined. K. H. Knox. No. 1,111,159; Sept. 22; Gaz. vol. 206; p. 937.
- Strainer and sifter, Combined. L. A. Drynan. No. 1,091,737; Mar. 31; Gaz. vol. 200; p. 1213.
- Strainer attachment. G. Bendix. No. 1,087,708; Feb. 17; Gaz. vol. 199; p. 839.
- Strainer, Automatic. H. J. and S. H. Carbis. No. 1,120,595; Dec. 8; Gaz. vol. 209; p. 625.
- Strainer, Ditch-sand. F. D. Heafer and J. H. League. No. 1,115,534; Nov. 3; Gaz. vol. 208; p. 23.
- Strainer for coffee-pots. H. C. Zeunert. No. 1,113,859; Oct. 13; Gaz. vol. 207; p. 549.
- Strainer for water-pipes. F. L. Black. No. 1,104,772; July 28; Gaz. vol. 204; p. 1027.
- Strainer, Gasolene-. E. C. Courtwright. No. 1,111,249; Sept. 22; Gaz. vol. 206; p. 969.
- Strainer, Gasolene-. E. F. Daws. No. 1,107,766; Aug. 18; Gaz. vol. 205; p. 857.
- Strainer, Gasolene-. A. A. Edey. No. 1,095,494; May 5; Gaz. vol. 202; p. 111.
- Strainer, Gasolene-. A. D. Elster. No. 1,093,258; Apr. 14; Gaz. vol. 201; p. 424.
- Strainer, Gasolene-. L. W. Short. No. 1,087,692; Feb. 17; Gaz. vol. 199; p. 834.
- Strainer, Milk-. A. S. Foster. No. 1,116,260; Nov. 3; Gaz. vol. 208; p. 270.
- Strainer, Pulp-. T. Oviller and H. Stub. No. 1,092,389; Apr. 7; Gaz. vol. 201; p. 91.
- Strainer, Shoddy-. J. R. Gammeter. No. 1,094,892; Apr. 28; Gaz. vol. 201; p. 1079.
- Strainer, Sink-. T. M. Aiken. No. 1,093,342; Apr. 14; Gaz. vol. 201; p. 453.
- Strand-separating machine. E. R. Tillinghast. No. 1,117,724; Nov. 17; Gaz. vol. 208; p. 869.
- Strands and the like, Holding means for. E. W. Bechler. No. 1,113,401; Oct. 13; Gaz. vol. 207; p. 388.
- Strands, Feed mechanism for. A. R. Wiens. No. 1,084,773; Jan. 20; Gaz. vol. 198; p. 563.

Alphabetical list of inventions—Continued.

- Strap: See Bonding-strap; Breeching-strap; Elastic strap; Jock-strap; Journal-box tie-strap; Pipe-strap; Safety-strap; Shoe-strap; Woven strap.
- Strap and tab forming machine. F. Metzenbacher. No. 1,087,804; Feb. 17; Gaz. vol. 199; p. 871.
- Strap-fastening plate or like structure. A. L. Sessions. No. 1,122,807; Dec. 29; Gaz. vol. 209; p. 1517.
- Strap-holder. H. L. Schroeder. No. 1,107,451; Aug. 18; Gaz. vol. 205; p. 745.
- Strap terminal and hook. Detachable. C. L. Depollier. No. 1,095,825; May 5; Gaz. vol. 202; p. 222.
- Strap-tightener. W. E. Carter. No. 1,092,203; Apr. 7; Gaz. vol. 201; p. 27.
- Straw-dispensing apparatus. T. B. Long. No. 1,088,912; Mar. 3; Gaz. vol. 200; p. 81.
- Straw-spreader. H. T. Beckwith and W. Phillips. No. 1,096,011; May 12; Gaz. vol. 202; p. 321.
- Stream-motor. C. Schoenfeld. No. 1,092,403; Apr. 7; Gaz. vol. 201; p. 96.
- Streamers, Device for holding. A. O. Joslyn. No. 1,096,375; May 12; Gaz. vol. 202; p. 446.
- Street and station indicator. C. O. Young. No. 1,108,652; Aug. 25; Gaz. vol. 205; p. 1212.
- Street-cleaning machine. W. H. Dodge. No. 1,090,034; Mar. 10; Gaz. vol. 200; p. 514.
- Street construction. C. N. Stevens. No. 1,116,857; Nov. 10; Gaz. vol. 208; p. 524.
- Street-indicator. A. Lorig. No. 1,117,205; Nov. 17; Gaz. vol. 208; p. 684.
- Street-indicator. G. Okuyama. No. 1,102,679; July 7; Gaz. vol. 204; p. 160.
- Street-indicator for cars. B. Hamilton and C. C. Timmons. No. 1,086,527; Feb. 10; Gaz. vol. 199; p. 376.
- Street-indicator for cars. F. H. Webster. No. 1,093,508; Apr. 14; Gaz. vol. 201; p. 505.
- Street-marker. T. Wight. No. 1,114,834; Oct. 27; Gaz. vol. 207; p. 984.
- Street-marker. T. Wight. No. 1,118,087; Nov. 24; Gaz. vol. 208; p. 1034.
- Street or station indicator. J. D. Harvey and H. L. Goodwin. No. 1,085,980; Feb. 3; Gaz. vol. 199; p. 143.
- Street or station indicator. S. J. James. No. 1,101,444; June 23; Gaz. vol. 203; p. 1190.
- Street or station indicator. J. L. Olson. No. 1,094,743; Apr. 28; Gaz. vol. 201; p. 1028.
- Street-sprinkler. O. A. Yonker. No. 1,120,177; Dec. 8; Gaz. vol. 209; p. 476.
- Street-sweeper. M. Banks. No. 1,094,294; Apr. 21; Gaz. vol. 201; p. 810.
- Street-sweeper. F. R. Brugger. No. 1,097,911; May 26; Gaz. vol. 202; p. 1068.
- Street-sweeper. W. Dubocq. No. 1,122,702; Dec. 29; Gaz. vol. 209; p. 1481.
- Street-sweeper. D. H. Finch. No. 1,085,676; Feb. 3; Gaz. vol. 199; p. 34.
- Street-sweeper. T. A. Killman. No. 1,087,588; Feb. 17; Gaz. vol. 199; p. 796.
- Street-sweeper. F. A. Lambert. No. 1,118,559; Nov. 24; Gaz. vol. 208; p. 1200.
- Street-sweeper. G. MacConchie. No. 1,089,935; Mar. 10; Gaz. vol. 200; p. 482.
- Street-sweeper. N. M. Miller and G. R. Evans. No. 1,094,235; Apr. 21; Gaz. vol. 201; p. 792.
- Street-sweeper. H. Pezzetti. No. 1,085,475; Jan. 27; Gaz. vol. 198; p. 837.
- Street-sweeper. D. N. Towe. No. 1,088,746; Mar. 3; Gaz. vol. 200; p. 26.
- Street-sweeper. H. A. Ullrich and J. Turpin. No. 1,101,045; June 23; Gaz. vol. 203; p. 1055.
- Street-sweeper and loader. R. P. Maxwell. No. 1,092,929; Apr. 14; Gaz. vol. 201; p. 311.
- Street-sweeping apparatus. J. C. Lundy. No. 1,120,068; Dec. 8; Gaz. vol. 209; p. 438.
- Street-sweeping machine. A. A. Andrews. No. 1,121,059; Dec. 15; Gaz. vol. 209; p. 836.
- Street-sweeping machine. J. A. Cunningham. No. 1,088,651; Feb. 24; Gaz. vol. 199; p. 1203.
- Street-sweeping machine. J. M. Himes. No. 1,083,932; Jan. 13; Gaz. vol. 198; p. 250.
- Street-sweeping machine. B. H. Wilson. No. 1,100,808; June 23; Gaz. vol. 203; p. 971.
- Street-sweeping trailer. C. H. Butler. No. 1,110,531; Sept. 15; Gaz. vol. 206; p. 675.
- Strength-testing device. F. G. Johnson. No. 1,115,826; Nov. 3; Gaz. vol. 208; p. 120.
- Stretcher. S. W. Dodge. No. 1,112,274; Sept. 29; Gaz. vol. 206; p. 1360.
- Stretcher. E. L. Fitzgerald. No. 1,102,029; June 30; Gaz. vol. 203; p. 1447.
- Stretcher, Portable. M. Saltis. No. 1,109,083; Sept. 1; Gaz. vol. 206; p. 80.
- Stretcher, Portable hydraulic. E. Taylor. No. 1,110,838; Sept. 15; Gaz. vol. 206; p. 783.
- Stretching and ironing table for laundries. R. D. Howell. No. 1,104,507; July 21; Gaz. vol. 204; p. 881.
- Stretching device. E. O. Foulk. No. 1,108,732; Aug. 25; Gaz. vol. 205; p. 1239.
- Stretching mechanism. J. Alexander. No. 1,115,269; Oct. 27; Gaz. vol. 207; p. 1138.
- Strike-plate. J. R. Fletcher. No. 1,091,453; Mar. 24; Gaz. vol. 200; p. 1070.
- Strike-plate. A. D. Methven. No. 1,108,873; Aug. 25; Gaz. vol. 205; p. 1288.
- Strike-plate, Adjustable. F. Ziganek and F. W. Wilkinson. No. 1,111,425; Sept. 22; Gaz. vol. 206; p. 1028.
- Striking-bag. R. Reach. No. 1,119,635; Dec. 1; Gaz. vol. 209; p. 253.
- Striking-machine. A. C. Morgan. No. 1,120,518; Dec. 8; Gaz. vol. 209; p. 597.
- Striking mechanism. F. M. Ober. No. 1,100,393; June 16; Gaz. vol. 203; p. 776.
- String or thread cutter. D. M. Mottram. No. 1,098,123; May 26; Gaz. vol. 202; p. 1140.
- Stringed instruments, Chord-making attachment for. C. E. Schmidt. No. 1,120,091; Dec. 8; Gaz. vol. 209; p. 445.
- Strip-feeding mechanism. H. C. Leonard. No. 1,109,237; Sept. 1; Gaz. vol. 206; p. 135.
- Strip-serving apparatus. E. L. Brownson. No. 1,120,788; Dec. 15; Gaz. vol. 209; p. 740.
- Stripper-operating mechanism. T. C. Sheehan. No. 1,123,022; Dec. 29; Gaz. vol. 209; p. 1593.
- Stripping surfaces, Apparatus for. W. H. and S. S. Adams. No. 1,112,960; Oct. 6; Gaz. vol. 207; p. 191.
- Stripping-tool. J. E. Schmandt. No. 1,083,862; Jan. 6; Gaz. vol. 198; p. 196.
- Stroke mechanism, Variable. J. Pierce. No. 1,112,832; Oct. 6; Gaz. vol. 207; p. 147.
- Stopping-machine. I. W. Irving. No. 1,090,854; Mar. 24; Gaz. vol. 200; p. 868.
- Structural connection. C. F. Gailor. No. 1,113,981; Oct. 20; Gaz. vol. 207; p. 629.
- Structural coupling for pipes, shafts, and the like. W. Loudon. No. 1,092,655; Apr. 7; Gaz. vol. 201; p. 183.
- Structural member. J. Kahn and T. H. Kane. No. 1,085,429; Jan. 27; Gaz. vol. 198; p. 823.
- Structural members, Lock connection for. G. W. Hansbrough. No. 1,102,502; July 7; Gaz. vol. 204; p. 98.
- Structure, Composite. G. H. Barbour. No. 1,101,983; June 30; Gaz. vol. 203; p. 1429.
- Structure, Gyrotory. G. W. Combs. No. 1,123,167; Dec. 29; Gaz. vol. 209; p. 1646.
- Structure, Gyrotory. G. W. Combs. No. 1,123,168; Dec. 29; Gaz. vol. 209; p. 1646.
- Structure, Gyrotory. G. W. Combs. No. 1,123,169; Dec. 29; Gaz. vol. 209; p. 1646.
- Structure, Gyrotory. G. W. Combs. No. 1,123,170; Dec. 29; Gaz. vol. 209; p. 1647.
- Structure, Locking-bolt. W. A. Lurie. No. 1,102,527; July 7; Gaz. vol. 204; p. 106.
- Structure, Metallic. M. Lachman. No. 1,090,312; Mar. 17; Gaz. vol. 200; p. 653.
- Structure, Metallic. M. and L. S. Lachman. (Reissue.) No. 13,712; Apr. 7; Gaz. vol. 201; p. 238.
- Structures, Driving and restraining means for self-balancing gyrotory. G. W. Combs. No. 1,123,171; Dec. 29; Gaz. vol. 209; p. 1647.
- Structures, Hanging for flexible. S. S. Lake. No. 1,090,993; Mar. 24; Gaz. vol. 200; p. 917.
- Strut-cover of stream-line surface. G. R. Eddelbuttel-Reimers. No. 1,104,254; July 21; Gaz. vol. 204; p. 792.
- Stub-puller. L. L. Zihler. No. 1,108,059; Aug. 18; Gaz. vol. 205; p. 958.
- Stubble-burner. A. Ward. No. 1,112,241; Sept. 29; Gaz. vol. 206; p. 1348.
- Stucco construction. J. Bristow, Jr. No. 1,110,309; Sept. 15; Gaz. vol. 206; p. 595.
- Stud, Collar. G. E. Figg. No. 1,098,793; June 2; Gaz. vol. 203; p. 148.
- Stud, Shirt. J. P. Rowley. No. 1,097,772; May 26; Gaz. vol. 202; p. 1016.
- Studs to strips, Machine for attaching. J. E. Mayo. No. 1,084,218; Jan. 13; Gaz. vol. 198; p. 350.
- Studding and metal yoking-clip for supporting and securing plaster-boards together in partition construction, Metallic. M. H. Jester. No. 1,087,019; Feb. 10; Gaz. vol. 199; p. 545.
- Studding-fastener. A. Steinhauser. No. 1,089,878; Mar. 10; Gaz. vol. 200; p. 460.
- Studding, Metallic. P. Randolph and H. C. Matthews. No. 1,103,430; July 14; Gaz. vol. 204; p. 465.
- Stuffing-box. W. R. Collins. No. 1,087,639; Feb. 17; Gaz. vol. 199; p. 815.
- Stuffing-box. J. L. Gray. No. 1,097,127; May 19; Gaz. vol. 202; p. 748.
- Stump-burner. F. M. Barfield. No. 1,112,967; Oct. 6; Gaz. vol. 207; p. 194.
- Stump-burner. A. J. Coover. No. 1,104,780; July 28; Gaz. vol. 204; p. 1024.
- Stump-burning apparatus. G. C. Sutton, I. W. Crowl, and J. O. Hamberg. No. 1,111,241; Sept. 22; Gaz. vol. 206; p. 966.
- Stump-cutting machine. A. L. and G. D. Moore. No. 1,104,535; July 21; Gaz. vol. 204; p. 892.
- Stump-extractor. A. Granlund. No. 1,112,998; Oct. 6; Gaz. vol. 207; p. 204.
- Stump-extractor. D. W. Merrill. No. 1,099,711; June 9; Gaz. vol. 203; p. 504.
- Stump extractor and lift, Rotary. A. L. Moore. No. 1,114,505; Oct. 20; Gaz. vol. 207; p. 818.

Alphabetical list of inventions—Continued.

- Stump-puller. R. G. Enevoldson, J. R. Marsh, and A. P. Enevoldson. No. 1,122,087; Dec. 22; Gaz. vol. 209; p. 1231.
- Stump-puller. W. J. Fuller. No. 1,122,898; Dec. 29; Gaz. vol. 209; p. 1550.
- Stump-pulling apparatus. J. A. Gorman and H. W. Sumner. No. 1,092,907; Apr. 14; Gaz. vol. 201; p. 304.
- Stumps, Apparatus for withdrawing. H. L. Betten. No. 1,101,899; June 30; Gaz. vol. 203; p. 1398.
- Stumps out of the ground, Apparatus for pulling tree-. K. Von der Malsburg. No. 1,096,874; May 19; Gaz. vol. 202; p. 657.
- Stylus. S. Levin. No. 1,114,493; Oct. 20; Gaz. vol. 207; p. 814.
- Submarine craft. K. Whiting. No. 1,097,700; May 26; Gaz. vol. 202; p. 990.
- Submarine tender. C. Laurenti. No. 1,113,450; Oct. 13; Gaz. vol. 207; p. 406.
- Submarines and submersibles, Apparatus for raising. L. A. J. Leduc. No. 1,114,155; Oct. 20; Gaz. vol. 207; p. 691.
- Submarines, Housing for the conning-towers, periscopes, and ventilating-shafts of. M. F. Hay. No. 1,099,126; June 2; Gaz. vol. 203; p. 257.
- Submarines, Pressure-regulating air-circulating system for. T. J. P. Aanstoots. No. 1,115,367; Oct. 27; Gaz. vol. 207; p. 1170.
- Submarines, Ventilating-shaft for. M. F. Hay. No. 1,099,127; June 2; Gaz. vol. 203; p. 257.
- Subpiling, Apparatus for driving. H. S. Taft. No. 1,094,949; Apr. 28; Gaz. vol. 201; p. 1100.
- Subsoil attachment. D. D. Littlejohn. No. 1,106,312; Aug. 4; Gaz. vol. 205; p. 250.
- Subsoiler. J. M. Aydlott. No. 1,091,031; Mar. 24; Gaz. vol. 200; p. 932.
- Subsoiler. W. A. Dolezal. No. 1,095,314; May 5; Gaz. vol. 202; p. 48.
- Subsoiler. J. S. Harris and J. A. Graham. No. 1,109,063; Sept. 1; Gaz. vol. 206; p. 73.
- Subsoiler. I. R. Storie. No. 1,120,859; Dec. 15; Gaz. vol. 209; p. 765.
- Substance isolated from the apocynaceæ and producing the same. L. Taub and G. Fickewirth. No. 1,113,714; Oct. 13; Gaz. vol. 207; p. 497.
- Subterranean strata, Ascertaining the nature of. H. Löwy. No. 1,092,065; Mar. 31; Gaz. vol. 200; p. 1324.
- Sucker-rod. C. C. Cook. No. 1,101,682; June 30; Gaz. vol. 203; p. 1324.
- Sucker-rod coupling. C. C. Cook. No. 1,098,018; May 26; Gaz. vol. 202; p. 1105.
- Sucker-rod elevator. W. T. Clinger. No. 1,106,130; Aug. 4; Gaz. vol. 205; p. 192.
- Sucker-rod-pulling device. J. B. Dunlap and W. D. Bryan. No. 1,109,668; Sept. 8; Gaz. vol. 206; p. 327.
- Suction apparatus. J. C. Ford. No. 1,093,389; Apr. 14; Gaz. vol. 201; p. 470.
- Suction apparatus. R. Galloway. No. 1,113,426; Oct. 13; Gaz. vol. 207; p. 398.
- Suction-cleaner. E. M. Barnes. No. 1,090,129; Mar. 17; Gaz. vol. 200; p. 587.
- Suction-cleaner. E. J. Bodey. No. 1,104,612; July 21; Gaz. vol. 204; p. 917.
- Suction-cleaner. E. J. Bodey. No. 1,104,613; July 21; Gaz. vol. 204; p. 918.
- Suction-cleaner. G. C. Schmitz. No. 1,108,248; Aug. 25; Gaz. vol. 205; p. 1072.
- Suction-cleaner. C. H. and M. C. Van Alstyne. No. 1,096,078; May 12; Gaz. vol. 202; p. 343.
- Suction cleaner and dust-separator. I. H. Spencer. No. 1,114,059; Oct. 20; Gaz. vol. 207; p. 657.
- Suction elevator and loader, Combination. R. A. Sallee. No. 1,100,992; June 23; Gaz. vol. 203; p. 1036.
- Suction-roll. C. H. Atkins. No. 1,120,432; Dec. 8; Gaz. vol. 209; p. 567.
- Suction supporting device. A. Bouchery. No. 1,117,548; Nov. 17; Gaz. vol. 208; p. 805.
- Sugar, Bleaching. M. Barrios. No. 1,117,154; Nov. 17; Gaz. vol. 208; p. 665.
- Sugar-bowl, Sanitary. E. W. Sanderson. No. 1,084,757; Jan. 20; Gaz. vol. 198; p. 558.
- Sugar-container, Sanitary. J. Kantor. No. 1,113,018; Oct. 6; Gaz. vol. 207; p. 210.
- Sugar-containing juice, Purifying raw-. J. Carniol. No. 1,095,189; May 5; Gaz. vol. 202; p. 5.
- Sugar-distributing bowl. S. A. Addis. No. 1,084,873; Jan. 20; Gaz. vol. 198; p. 597.
- Sugar evaporator, Maple-. R. H. and H. K. Ober. No. 1,112,380; Sept. 29; Gaz. vol. 206; p. 1397.
- Sugar from cane, Making. F. G. P. Leao. No. 1,083,545; Jan. 6; Gaz. vol. 198; p. 95.
- Sugar from centrifugal machines, Device for removing. E. Lougher. No. 1,105,444; July 28; Gaz. vol. 204; p. 1257.
- Sugar from molasses, Obtaining. A. Gräntzdörffer. No. 1,095,852; May 5; Gaz. vol. 202; p. 231.
- Sugar holder and dispenser, Sanitary. A. G. Bettman. No. 1,084,530; Jan. 13; Gaz. vol. 198; p. 449.
- Sugar-juices, Apparatus for extraction of. W. Raabe. No. 1,089,495; Mar. 10; Gaz. vol. 200; p. 329.
- Sugar, Machine for breaking and packaging blocks of. A. Letort. No. 1,084,887; Jan. 20; Gaz. vol. 198; p. 601.
- Sugar, Making. A. L. Mathews. No. 1,097,724; May 26; Gaz. vol. 202; p. 999.
- Sugar, Making superior. N. B. Bach. No. 1,104,095; July 21; Gaz. vol. 204; p. 739.
- Sugar manufacture, Concentration and crystallization apparatus especially for. F. Tiemann. No. 1,087,409; Feb. 17; Gaz. vol. 199; p. 732.
- Sugar, Manufacture of cane-. J. S. de Haan. No. 1,101,071; June 23; Gaz. vol. 203; p. 1064.
- Sugar, Manufacturing refined. M. Weinrich. No. 1,084,771; Jan. 20; Gaz. vol. 198; p. 562.
- Sugar-mill. J. I. Boyer. No. 1,097,842; May 26; Gaz. vol. 202; p. 1040.
- Sugar-mill feed-roller mechanism. J. Ogg. No. 1,108,780; Aug. 25; Gaz. vol. 205; p. 1254.
- Sugar or cane-sugar syrup, Defecating raw cane-. M. Weinrich. No. 1,084,772; Jan. 20; Gaz. vol. 198; p. 563.
- Sugar, Refining. J. G. Kremers. No. 1,107,172; Aug. 11; Gaz. vol. 205; p. 598.
- Sugar solutions, Clarification of. E. Köpke. No. 1,101,940; June 30; Gaz. vol. 203; p. 1415.
- Sugar solutions, Electrolytic apparatus for the clarification of. H. McCubbin. No. 1,084,556; Jan. 13; Gaz. vol. 198; p. 459.
- Sugar solutions, Purifying and decolorizing. F. Tiemann. No. 1,101,156; June 23; Gaz. vol. 203; p. 1092.
- Sugars, Producing fermentable. F. E. Gallagher. No. 1,091,327; Mar. 24; Gaz. vol. 200; p. 1030.
- Sugars, Producing fermentable. F. E. Gallagher and H. S. Mork. No. 1,096,030; May 12; Gaz. vol. 202; p. 328.
- Suit-box. R. P. Brown. No. 1,084,394; Jan. 13; Gaz. vol. 198; p. 406.
- Suit-box. J. B. Moses. No. 1,091,075; Mar. 24; Gaz. vol. 200; p. 946.
- Suit-box, Folding. J. G. Bauer. No. 1,122,464; Dec. 29; Gaz. vol. 209; p. 1396.
- Suit, Sportsman's. R. Lesselbaum. No. 1,084,945; Jan. 20; Gaz. vol. 198; p. 620.
- Suit, Union. W. H. Bilbrough. No. 1,120,892; Dec. 15; Gaz. vol. 209; p. 777.
- Suitcase. F. A. Schwarzrock. No. 1,093,484; Apr. 14; Gaz. vol. 201; p. 498.
- Suitcase-carrier. W. J. Pohrer. No. 1,099,933; June 16; Gaz. vol. 203; p. 616.
- Suitcase-latch. L. Mann. No. 1,122,211; Dec. 22; Gaz. vol. 209; p. 1271.
- Sulfids of the alkalis or alkaline earths, Regeneration of. L. P. Wilson. No. 1,106,266; Aug. 4; Gaz. vol. 205; p. 235.
- Sulfite fiber and reclaiming sulfur dioxid, Making. H. K. Moore and R. B. Wolf. No. 1,119,977; Dec. 8; Gaz. vol. 209; p. 406.
- Sulfite fiber, Reclaiming waste products in the manufacture of. H. K. Moore and R. B. Wolf. No. 1,103,216; July 14; Gaz. vol. 204; p. 395.
- Sulfite fiber, Reclaiming waste products in the manufacture of. H. K. Moore and R. B. Wolf. No. 1,110,454; Sept. 15; Gaz. vol. 206; p. 648.
- Sulfite liquor and preparing same, Bleached waste. M. F. Coughlin and C. E. Swett. No. 1,114,120; Oct. 20; Gaz. vol. 207; p. 679.
- Sulfite liquor, Making. H. K. Moore and R. B. Wolf. No. 1,099,565; June 9; Gaz. vol. 203; p. 454.
- Sulfite liquor, Making. R. B. Wolf. No. 1,097,781; May 26; Gaz. vol. 202; p. 1020.
- Sulfite-liquor-making apparatus. R. B. Wolf. No. 1,097,782; May 26; Gaz. vol. 202; p. 1020.
- Sulfite-liquor-making apparatus. R. B. Wolf. No. 1,097,785; May 26; Gaz. vol. 202; p. 1022.
- Sulfite pulp-digester liquor, Process and product of treating. O. Grothe. No. 1,087,911; Feb. 17; Gaz. vol. 199; p. 906.
- Sulfite pulp from resinous woods, Manufacture of. O. Carr. No. 1,089,691; Mar. 10; Gaz. vol. 200; p. 397.
- Sulfite-waste and shellac, Composition containing. M. F. Coughlin. No. 1,103,267; July 14; Gaz. vol. 204; p. 411.
- Sulfites or bisulfites, Manufacture of. R. Friedrich and F. Hirsch. No. 1,091,429; Mar. 24; Gaz. vol. 200; p. 1003.
- Sulfites or bisulfites of homogeneous chemical constitution, Manufacture of solid. R. Friedrich and F. Hirsch. No. 1,091,325; Mar. 24; Gaz. vol. 200; p. 1029.
- Sulfo compounds of quinolin-4-carboxylic acids arylated in the 2 position. A. Thiele. No. 1,091,870; Mar. 31; Gaz. vol. 200; p. 1262.
- Sulfur and sulfates from sulfites, Producing. C. Hansen. No. 1,101,740; June 30; Gaz. vol. 203; p. 1343.
- Sulfur and sulfates, Producing. C. Hansen. No. 1,102,911; July 7; Gaz. vol. 204; p. 239.
- Sulfur compound and making same. C. E. Hite. (Reissue.) No. 13,796; Sept. 1; Gaz. vol. 206; p. 283.
- Sulfur derivatives of hydrocarbons, Producing. W. Steinkopf. No. 1,085,708; Feb. 3; Gaz. vol. 199; p. 45.
- Sulfur dioxide, Producing. H. K. Moore and R. B. Wolf. No. 1,091,639; Mar. 31; Gaz. vol. 200; p. 1196.
- Sulfur in elementary form from pyrite, Recovering. G. Riggs. No. 1,103,081; July 14; Gaz. vol. 204; p. 345.
- Sulky attachment. J. A. Logan and W. F. Downs. No. 1,095,898; May 5; Gaz. vol. 202; p. 246.

Alphabetical list of inventions—Continued.

- Sun, Device for concentrating the rays of the. H. D. Smelser. No. 1,111,239; Sept. 22; Gaz. vol. 206; p. 966.
- Superheater. E. J. Akins. No. 1,093,519; Apr. 14; Gaz. vol. 201; p. 509.
- Superheater. A. W. Bruce. No. 1,085,107; Jan. 27; Gaz. vol. 198; p. 711.
- Superheater. G. H. Emerson and H. Yoerg. No. 1,105,633; Aug. 4; Gaz. vol. 205; p. 16.
- Superheater. G. H. Emerson and H. Yoerg. No. 1,105,634; Aug. 4; Gaz. vol. 205; p. 17.
- Superheater. E. H. Foster. No. 1,106,036; Aug. 4; Gaz. vol. 205; p. 158.
- Superheater apparatus, Locomotive. C. D. Young. No. 1,089,807; Mar. 10; Gaz. vol. 200; p. 436.
- Superheater-boiler. J. E. Whittlesey. No. 1,102,836; July 7; Gaz. vol. 204; p. 215.
- Superheater-coupling. F. Conrath. No. 1,086,807; Feb. 10; Gaz. vol. 199; p. 475.
- Superheater-element ends, Connecting member for. P. Thomsen. No. 1,112,868; Oct. 6; Gaz. vol. 207; p. 160.
- Superheater for boilers. E. D. Meier. No. 1,114,785; Oct. 27; Gaz. vol. 207; p. 966.
- Superheater for boilers, Steam-. M. F. Cox. No. 1,090,688; Mar. 17; Gaz. vol. 200; p. 782.
- Superheater for locomotive and like tubular boilers, Steam-. J. G. Robinson. No. 1,093,293; Apr. 14; Gaz. vol. 201; p. 437.
- Superheater for locomotive and other boilers, Steam-. J. G. Robinson. No. 1,109,303; Sept. 1; Gaz. vol. 206; p. 158.
- Superheater for locomotive and other boilers, Steam-. J. G. Robinson. No. 1,109,304; Sept. 1; Gaz. vol. 206; p. 158.
- Superheater for locomotive-boilers. W. Schmidt and P. Thomsen. No. 1,114,812; Oct. 27; Gaz. vol. 207; p. 976.
- Superheater for steam-boiler furnaces, Air-. R. Weaver. No. 1,097,692; May 26; Gaz. vol. 202; p. 988.
- Superheater for vapor and gases. M. Honigmann. No. 1,117,050; Nov. 10; Gaz. vol. 208; p. 590.
- Superheater, Grease-. F. Lowry. No. 1,113,666; Oct. 13; Gaz. vol. 207; p. 480.
- Superheater, Locomotive-. A. W. Anderson. No. 1,113,731; Oct. 13; Gaz. vol. 207; p. 503.
- Superheater, Smoke-tube. W. Schmidt. No. 1,106,734; Aug. 11; Gaz. vol. 205; p. 445.
- Superheater, Smoke-tube. P. Thomsen. No. 1,116,646; Nov. 20; Gaz. vol. 208; p. 450.
- Superheater, Steam-. J. Fehmer. No. 1,095,720; May 5; Gaz. vol. 202; p. 187.
- Superheater, Steam-. R. C. Stevens. No. 1,102,361; July 7; Gaz. vol. 204; p. 48.
- Superheater, Steam-. M. Toltz. No. 1,093,954; Apr. 21; Gaz. vol. 201; p. 698.
- Superheater units, Manufacture of. C. K. Lassiter. No. 1,083,688; Jan. 6; Gaz. vol. 198; p. 142.
- Superheater units, Manufacture of. C. K. Lassiter. No. 1,090,551; Mar. 17; Gaz. vol. 200; p. 737.
- Superheaters, Apparatus for controlling steam-. R. C. Stevens. No. 1,106,337; Aug. 4; Gaz. vol. 205; p. 258.
- Superheaters, Safety device and drain attachment for locomotive-. D. H. Griffith. No. 1,122,912; Dec. 29; Gaz. vol. 209; p. 1554.
- Superphosphate, Apparatus for use in the manufacture of. G. H. Lynen. No. 1,093,141; Apr. 14; Gaz. vol. 201; p. 385.
- Superphosphates, &c., Drying. T. L. Willson and M. M. Hafl. No. 1,122,183; Dec. 22; Gaz. vol. 209; p. 1262.
- Supply-holder. S. I. Kamigashira. No. 1,089,225; Mar. 3; Gaz. vol. 200; p. 190.
- Support. S. A. Hesla. No. 1,109,987; Sept. 8; Gaz. vol. 206; p. 441.
- Support. W. A. Llewellyn. No. 1,099,505; June 9; Gaz. vol. 203; p. 432.
- Support. W. J. Loudenslager. No. 1,086,067; Feb. 10; Gaz. vol. 199; p. 560.
- Support. W. A. Powell. No. 1,089,958; Mar. 10; Gaz. vol. 200; p. 489.
- Support. M. D. S. Stiles. No. 1,119,896; Dec. 8; Gaz. vol. 209; p. 378.
- Support, Auxiliary. E. B. Sellew. No. 1,092,867; Apr. 14; Gaz. vol. 201; p. 291.
- Support, Collapsible. W. W. Owens. No. 1,115,731; Nov. 3; Gaz. vol. 208; p. 90.
- Support, Extensible. P. C. Burns. No. 1,109,038; Sept. 1; Gaz. vol. 206; p. 65.
- Supporter. R. A. Moore. No. 1,120,155; Dec. 8; Gaz. vol. 209; p. 468.
- Supporter. J. Warren. No. 1,103,114; July 14; Gaz. vol. 204; p. 358.
- Supporting and delivering device. F. Geiger. No. 1,088,979; Mar. 3; Gaz. vol. 200; p. 106.
- Supporting-bracket. R. B. Cable, Jr. No. 1,094,977; Apr. 28; Gaz. vol. 201; p. 1110.
- Supporting-bracket. R. W. Monk. No. 1,090,105; Mar. 10; Gaz. vol. 200; p. 539.
- Supporting device. G. X. Hickerson. No. 1,115,818; Nov. 3; Gaz. vol. 208; p. 118.
- Supporting device. F. N. Thayer. No. 1,084,504; Jan. 13; Gaz. vol. 198; p. 440.
- Supporting device. D. S. Williams. No. 1,099,137; June 2; Gaz. vol. 203; p. 261.
- Supporting device for movable objects, Adjustable. C. A. Hawk. No. 1,118,199; Nov. 24; Gaz. vol. 208; p. 1072.
- Supporting-frame. J. W. Schnabel. No. 1,097,192; May 19; Gaz. vol. 202; p. 769.
- Supporting-rack. J. G. Lenhart. No. 1,109,430; Sept. 1; Gaz. vol. 206; p. 204.
- Supporting structure. L. W. Noyes. No. 1,121,280; Dec. 15; Gaz. vol. 209; p. 912.
- Supporting-table. C. A. Puckett. No. 1,106,057; Aug. 4; Gaz. vol. 205; p. 165.
- Suppository. R. E. V. Angresius. No. 1,096,884; May 19; Gaz. vol. 202; p. 661.
- Surface-gage, Combined. R. E. Benson. No. 1,118,839; Nov. 24; Gaz. vol. 208; p. 1294.
- Surface-indicator. J. W. Gheen. No. 1,097,797; May 26; Gaz. vol. 202; p. 1026.
- Surfaces of irregular-shaped articles, Machine for finishing. E. T. H. Sperl. No. 1,101,576; June 30; Gaz. vol. 203; p. 1288.
- Surfacing and polishing machine. F. P. Huyck. No. 1,086,368; Feb. 10; Gaz. vol. 199; p. 321.
- Surfacing, Metallic. J. F. Wixom. No. 1,089,613; Mar. 10; Gaz. vol. 200; p. 370.
- Surgeon's knife. M. Parker. No. 1,100,394; June 16; Gaz. vol. 203; p. 777.
- Surgery appliances, Mechanical. C. West and R. Bernard. No. 1,116,773; Nov. 10; Gaz. vol. 208; p. 494.
- Surgical apparatus. R. H. Clarke. No. 1,093,112; Apr. 14; Gaz. vol. 201; p. 374.
- Surgical apparatus. M. E. Goolsby. No. 1,092,643; Apr. 7; Gaz. vol. 201; p. 182.
- Surgical appliance. A. Ach. No. 1,117,618; Nov. 17; Gaz. vol. 208; p. 829.
- Surgical appliance. M. De Tar. No. 1,119,813; Dec. 8; Gaz. vol. 209; p. 349.
- Surgical appliance. M. Iversen. No. 1,111,587; Sept. 22; Gaz. vol. 206; p. 1085.
- Surgical appliance. M. Iversen. No. 1,111,588; Sept. 22; Gaz. vol. 206; p. 1085.
- Surgical appliance. W. O. Sherman. No. 1,105,105; July 28; Gaz. vol. 204; p. 1136.
- Surgical-bandage container. P. S. Bauer. No. 1,107,747; Aug. 18; Gaz. vol. 205; p. 850.
- Surgical bandage or splint. L. H. Reuter. No. 1,107,357; Aug. 18; Gaz. vol. 205; p. 711.
- Surgical-bandage package. P. S. Bauer. No. 1,087,916; Feb. 24; Gaz. vol. 199; p. 953.
- Surgical bandages, Machine for making. O. C. Schulz. No. 1,109,184; Sept. 1; Gaz. vol. 206; p. 116.
- Surgical bandages, Making. O. C. Schulz. No. 1,109,185; Sept. 1; Gaz. vol. 206; p. 117.
- Surgical dressings, Aseptic package for. P. A. H. A. Schulz. No. 1,092,176; Apr. 7; Gaz. vol. 201; p. 18.
- Surgical instrument. G. Gajdos. No. 1,108,737; Aug. 25; Gaz. vol. 205; p. 1241.
- Surgical instrument. N. C. Morse. No. 1,116,099; Nov. 3; Gaz. vol. 208; p. 217.
- Surgical-instrument-sterilizing apparatus. T. L. Perrin. No. 1,107,834; Aug. 18; Gaz. vol. 205; p. 880.
- Surgical irrigating apparatus. L. J. Stilling. No. 1,112,168; Sept. 29; Gaz. vol. 206; p. 1321.
- Surgical needle. J. S. Turner. No. 1,110,468; Sept. 15; Gaz. vol. 206; p. 653.
- Surgical support for injured arms. G. H. Houghton. No. 1,100,483; June 16; Gaz. vol. 203; p. 807.
- Surgically cleansing wounds and other surfaces. C. E. Kells. No. 1,114,268; Oct. 20; Gaz. vol. 207; p. 732.
- Surveying instrument. R. E. Beebe. No. 1,086,124; Feb. 3; Gaz. vol. 199; p. 195.
- Surveying instrument. M. J. Dikeman. No. 1,109,667; Sept. 8; Gaz. vol. 206; p. 326.
- Surveying instrument. M. J. Lorraine. No. 1,116,452; Nov. 10; Gaz. vol. 208; p. 376.
- Surveying instrument. F. Stoddard. No. 1,100,698; June 16; Gaz. vol. 203; p. 876.
- Surveying instrument. J. Wainwright. No. 1,108,034; Aug. 18; Gaz. vol. 205; p. 949.
- Surveying instrument or range-finder. A. M. Bridges. No. 1,106,774; Aug. 11; Gaz. vol. 205; p. 459.
- Suspender attachment. H. H. Boyer. No. 1,094,520; Apr. 28; Gaz. vol. 201; p. 947.
- Suspender cast-off. G. O. Smith. No. 1,105,933; Aug. 4; Gaz. vol. 205; p. 122.
- Suspender, Garment-. W. H. Sheeley. No. 1,100,498; June 16; Gaz. vol. 203; p. 812.
- Suspender-tab and belt-loop for trousers, Combined. A. Leighton. No. 1,105,355; July 28; Gaz. vol. 204; p. 1227.
- Suspenders. F. W. Malley and E. P. Hudson. No. 1,084,095; Jan. 13; Gaz. vol. 198; p. 307.
- Suspenders. A. Noras. No. 1,119,716; Dec. 1; Gaz. vol. 209; p. 280.
- Suspenders, Cast-off for. S. S. Kornreich. No. 1,100,581; June 16; Gaz. vol. 203; p. 838.
- Suspenders, Cast-off for. A. M. Ziegler. No. 1,119,771; Dec. 1; Gaz. vol. 209; p. 298.

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- Suspenders, Cord-eye for cord-back. G. E. Prentice. No. 1,098,125; May 26; Gaz. vol. 202; p. 1141.
- Suspenders, Cord-eye for cord-back. G. E. Prentice. No. 1,110,145; Sept. 8; Gaz. vol. 206; p. 500.
- Suspenders, Garment-. S. S. Jones. No. 1,100,308; June 16; Gaz. vol. 203; p. 747.
- Suspending device. H. E. Stewart. No. 1,111,812; Sept. 29; Gaz. vol. 206; p. 1201.
- Suspending device. R. Whitcomb. No. 1,112,581; Oct. 6; Gaz. vol. 207; p. 61.
- Suspension device, Self-winding. J. V. Genovese. No. 1,084,623; Jan. 20; Gaz. vol. 198; p. 510.
- Suspension-fitting. R. B. Benjamin. No. 1,108,679; Aug. 25; Gaz. vol. 205; p. 1220.
- Suspension-rack, Revolving. W. H. Martin. No. 1,084,022; Jan. 13; Gaz. vol. 198; p. 283.
- Suspensory and protector, Combination. A. J. Sunden. No. 1,106,987; Aug. 11; Gaz. vol. 205; p. 533.
- Swab. H. F. Beam. No. 1,122,246; Dec. 29; Gaz. vol. 209; p. 1324.
- Swaging-machine. W. T. Murphy. No. 1,117,423; Nov. 17; Gaz. vol. 208; p. 761.
- Swaging-machine. W. E. Thompson and W. A. Lockhart. No. 1,099,523; June 9; Gaz. vol. 203; p. 438.
- Swaging-machines, Tube-feeding device for. F. L. Sessions. No. 1,084,042; Jan. 13; Gaz. vol. 198; p. 289.
- Sweat-band. E. M. Wood. No. 1,115,143; Oct. 27; Gaz. vol. 207; p. 1094.
- Sweater. L. D. Marsh. No. 1,122,212; Dec. 22; Gaz. vol. 209; p. 1271.
- Sweep-rake. W. H. Sellers, Jr. No. 1,093,487; Apr. 14; Gaz. vol. 201; p. 499.
- Sweep-rake, Power-lift. J. H. Cope. No. 1,117,334; Nov. 17; Gaz. vol. 208; p. 731.
- Sweeper. J. H. Townsend. No. 1,105,048; July 28; Gaz. vol. 204; p. 1117.
- Sweeper, Pneumatic. J. G. Stamm. No. 1,089,800; Mar. 10; Gaz. vol. 200; p. 433.
- Sweeper, Suction-. F. Steinkoenig. No. 1,114,928; Oct. 27; Gaz. vol. 207; p. 1018.
- Sweepers, Scraper for. A. F. H. Head. No. 1,116,423; Nov. 10; Gaz. vol. 208; p. 366.
- Sweeping device, Sanitary. J. W. Dodd. No. 1,120,038; Dec. 8; Gaz. vol. 209; p. 428.
- Sweetmeat-shell. T. Becherer. No. 1,085,658; Feb. 3; Gaz. vol. 199; p. 27.
- Sweets, Double-acting machine for manufacturing. C. Rost. No. 1,095,031; Apr. 28; Gaz. vol. 201; p. 1128.
- Swift, Automatic. W. E. Somerville. No. 1,122,812; Dec. 29; Gaz. vol. 209; p. 1519.
- Swimmer's foot-paddle. J. Bonito. No. 1,098,471; June 2; Gaz. vol. 203; p. 40.
- Swimmer's foot-paddle. J. W. Goodenberger. No. 1,114,466; Oct. 20; Gaz. vol. 207; p. 804.
- Swimming apparatus. H. Crawford. No. 1,083,595; Jan. 6; Gaz. vol. 198; p. 111.
- Swimming apparatus. M. Hlinka. No. 1,093,417; Apr. 14; Gaz. vol. 201; p. 478.
- Swimming apparatus. F. Skaszynski. No. 1,099,575; June 9; Gaz. vol. 203; p. 458.
- Swimming-apparatus gown. N. L. Bernatzky. No. 1,109,504; Sept. 1; Gaz. vol. 206; p. 227.
- Swimming device. P. J. Caspers. No. 1,083,874; Jan. 6; Gaz. vol. 198; p. 200.
- Swimming device. J. Davis. No. 1,094,538; Apr. 28; Gaz. vol. 201; p. 953.
- Swimming device. L. Luki. No. 1,102,526; July 7; Gaz. vol. 204; p. 106.
- Swimming device. E. G. Österberg. No. 1,113,820; Oct. 13; Gaz. vol. 207; p. 535.
- Swimming device. J. H. Picken. No. 1,108,392; Aug. 25; Gaz. vol. 205; p. 1122.
- Swimming, Device for teaching. G. Read. No. 1,122,219; Dec. 22; Gaz. vol. 209; p. 1274.
- Swimming device, Mechanical. A. Patus and A. Csicsmann. No. 1,100,195; June 16; Gaz. vol. 203; p. 707.
- Swimming-machine. A. H. Johnson. No. 1,120,720; Dec. 15; Gaz. vol. 209; p. 716.
- Swimming-paddle. C. A. Spradling. No. 1,115,343; Oct. 27; Gaz. vol. 207; p. 1161.
- Swimming-tank. R. G. Larsen and W. S. Morrell. No. 1,097,242; May 19; Gaz. vol. 202; p. 788.
- Swing. G. M. Cohee. No. 1,083,387; Jan. 6; Gaz. vol. 198; p. 43.
- Swing. J. Gomez. No. 1,097,712; May 26; Gaz. vol. 202; p. 995.
- Swing. R. J. Oldfield. No. 1,107,341; Aug. 18; Gaz. vol. 205; p. 705.
- Swing. J. L. Reed. No. 1,095,518; May 5; Gaz. vol. 202; p. 119.
- Swing. E. M. Sprich. No. 1,111,769; Sept. 29; Gaz. vol. 206; p. 1184.
- Swing-canopy. J. J. Parent. No. 1,104,309; July 21; Gaz. vol. 204; p. 810.
- Swing-chair. J. F. Sittler. No. 1,100,264; June 16; Gaz. vol. 203; p. 731.
- Swing, Convertible. W. H. Müller. No. 1,109,454; Sept. 1; Gaz. vol. 206; p. 211.
- Swing, Porch-. W. L. Lindsley. No. 1,121,027; Dec. 15; Gaz. vol. 209; p. 824.
- Swing, Porch-. W. H. Simons. No. 1,094,028; Apr. 21; Gaz. vol. 201; p. 723.
- Swing-support, Rotatable. G. A. Langley. No. 1,095,505; May 5; Gaz. vol. 202; p. 114.
- Swing, Tractor-. W. H. Muzzy. No. 1,121,029; Dec. 15; Gaz. vol. 209; p. 825.
- Swinging bracket. M. W. Keith. No. 1,089,768; Mar. 10; Gaz. vol. 200; p. 423.
- Swinging gate. J. Volkers. No. 1,115,624; Nov. 3; Gaz. vol. 208; p. 53.
- Swinging objects, Supporting means for. A. E. Rittenhouse. No. 1,090,118; Mar. 10; Gaz. vol. 200; p. 543.
- Swinging-structure mount. H. V. Steuernagel. No. 1,115,345; Oct. 27; Gaz. vol. 207; p. 1162.
- Swinging table, Ship's. V. A. Treadwell. No. 1,083,778; Jan. 6; Gaz. vol. 198; p. 172.
- Swingle and double tree attachment. L. Murkowski. No. 1,096,742; May 12; Gaz. vol. 202; p. 569.
- Swingletree. L. C. Bigbie. No. 1,114,099; Oct. 20; Gaz. vol. 207; p. 672.
- Swingletree and attachment. H. T. Hill. No. 1,110,260; Sept. 8; Gaz. vol. 206; p. 539.
- Swingletree-coupling. G. F. Schahl. No. 1,087,986; Feb. 24; Gaz. vol. 199; p. 980.
- Swingletree device. J. E. McGraner. No. 1,111,717; Sept. 22; Gaz. vol. 206; p. 1131.
- Swingletree-hook. L. D. Greenland. No. 1,094,556; Apr. 28; Gaz. vol. 201; p. 960.
- Swingletree-hook. A. Undi. No. 1,098,997; June 2; Gaz. vol. 203; p. 216.
- Swingletree, Three-horse. R. Kjuus. No. 1,112,625; Oct. 6; Gaz. vol. 207; p. 76.
- Switch. *See* Automatic switch; Automatic sectionalizing-switch; Automatically-operated switch; Automobile-switch; Centrifugal switch; Centrifugally-operated switch; Clock-switch; Contact-switch; Electric switch; Electric-horn switch; Electric pull-switch; Electric time-switch; Electrical switch; Electrical-circuit-changing switch; Electrical selective switch; Electrically-controlled switch; Electromagnetic switch; Electromechanical switch; Fuse-switch; Governor-switch; High-tension switch; High-voltage switch; I-beam switch; Knife-switch; Lock-switch; Locking-switch; Magnetic break-switch; Mercury-tube switch; Motor-switch; Motor-operated switch; Motor-starting switch; Oil-switch; Oil time-switch; Plug-switch; Pull-button-controlling switch; Push-switch; Push-button switch; Railway-switch; Railway-track switch; Reversing-switch; Safety-switch; Safety limit-switch; Selector-switch; Sequence-switch; Service-switch; Snap-switch; Spring-switch; Time-switch; Time contact-switch; Tongue-switch; Trolley-switch; Vehicle safety-switch.
- Switch. C. J. Anderson. No. 1,118,256; Nov. 24; Gaz. vol. 208; p. 1090.
- Switch. G. W. Anderson. No. 1,112,965; Oct. 6; Gaz. vol. 207; p. 193.
- Switch. M. C. Arnold. No. 1,119,670; Dec. 1; Gaz. vol. 209; p. 265.
- Switch. S. F. Briggs. No. 1,100,949; June 23; Gaz. vol. 203; p. 1021.
- Switch. H. W. Cheney. No. 1,088,769; Mar. 3; Gaz. vol. 200; p. 32.
- Switch. R. Fay. No. 1,120,465; Dec. 8; Gaz. vol. 209; p. 579.
- Switch. W. S. Harlow. No. 1,103,511; July 14; Gaz. vol. 204; p. 492.
- Switch. G. W. Hart. No. 1,103,199; July 14; Gaz. vol. 204; p. 389.
- Switch. B. Haskins. No. 1,120,382; Dec. 8; Gaz. vol. 209; p. 549.
- Switch. J. S. Lockard. No. 1,083,751; Jan. 6; Gaz. vol. 198; p. 163.
- Switch. J. M. Lorenz. No. 1,116,902; Nov. 10; Gaz. vol. 208; p. 539.
- Switch. W. J. Newton. No. 1,094,806; Apr. 28; Gaz. vol. 201; p. 1050.
- Switch. W. R. Ross. No. 1,104,547; July 21; Gaz. vol. 204; p. 896.
- Switch. E. E. Smart and G. H. Hart. No. 1,098,849; June 2; Gaz. vol. 203; p. 167.
- Switch. F. W. Wood. No. 1,094,690; Apr. 28; Gaz. vol. 201; p. 1009.
- Switch-actuating mechanism. G. W. Fisher and F. Hoyland. No. 1,090,467; Mar. 17; Gaz. vol. 200; p. 708.
- Switch arrangement, Automatic. L. C. Nicholson. No. 1,105,823; Aug. 4; Gaz. vol. 205; p. 83.
- Switch-box. C. C. Maison. No. 1,096,548; May 12; Gaz. vol. 202; p. 504.
- Switch-box, Contact. S. R. Hipple and W. L. Conwell. No. 1,105,907; Aug. 4; Gaz. vol. 205; p. 111.
- Switch-box, Protective. T. E. Murray. No. 1,115,091; Oct. 27; Gaz. vol. 207; p. 1076.
- Switch-buttons, Means for operating electric. A. Kaufman. No. 1,083,837; Jan. 6; Gaz. vol. 198; p. 189.
- Switch-chair. M. J. Connerton. No. 1,104,629; July 21; Gaz. vol. 204; p. 923.
- Switch construction. H. A. Benedict. No. 1,086,639; Feb. 10; Gaz. vol. 199; p. 416.
- Switch construction. R. E. Brannen and L. Wallace. No. 1,103,934; July 21; Gaz. vol. 204; p. 683.

Alphabetical list of inventions—Continued.

- Switch-contacts, Process and machine for forming and affixing. W. F. Hosford. No. 1,090,619; Mar. 17; Gaz. vol. 200; p. 761.
- Switch control. S. A. McConnell and B. Erickson. No. 1,089,850; Mar. 10; Gaz. vol. 200; p. 450.
- Switch controller, Automatic pressure-. C. S. Jennings. No. 1,084,277; Jan. 13; Gaz. vol. 198; p. 368.
- Switch-controlling mechanism, Automatic. H. S. Blankenship. No. 1,092,423; Apr. 7; Gaz. vol. 201; p. 103.
- Switch-controlling system. C. E. Beach and H. W. Doughty. No. 1,109,657; Sept. 8; Gaz. vol. 206; p. 322.
- Switch-frog. W. Keller. No. 1,093,860; Apr. 21; Gaz. vol. 201; p. 667.
- Switch-indicator. C. M. Roe. No. 1,088,454; Feb. 24; Gaz. vol. 199; p. 1139.
- Switch-key. A. F. F. Gilson. No. 1,109,919; Sept. 8; Gaz. vol. 206; p. 417.
- Switch-key. F. E. Munsell. No. 1,115,720; Nov. 3; Gaz. vol. 208; p. 87.
- Switch-key. G. P. Tromp. No. 1,109,947; Sept. 8; Gaz. vol. 206; p. 427.
- Switch-lever lock. P. Ramsey. No. 1,086,082; Feb. 3; Gaz. vol. 199; p. 181.
- Switch-lock. C. B. Harn. No. 1,092,259; Apr. 7; Gaz. vol. 201; p. 46.
- Switch-lock. J. D. Moore. No. 1,098,958; June 2; Gaz. vol. 203; p. 204.
- Switch-lock. M. Schroyer. No. 1,085,171; Jan. 27; Gaz. vol. 198; p. 734.
- Switch-lock. M. Schroyer. No. 1,085,172; Jan. 27; Gaz. vol. 198; p. 734.
- Switch-lock, Automatic. J. Rogers. No. 1,119,641; Dec. 1; Gaz. vol. 209; p. 255.
- Switch-lock, Automatic safety. F. C. Anderson. No. 1,118,462; Nov. 24; Gaz. vol. 208; p. 1166.
- Switch-lock, Permutation. E. E. Theis. No. 1,115,130; Oct. 27; Gaz. vol. 207; p. 1090.
- Switch-locking device. H. G. French. No. 1,119,590; Dec. 1; Gaz. vol. 209; p. 238.
- Switch-locking device. J. A. Nash. No. 1,106,154; Aug. 4; Gaz. vol. 205; p. 199.
- Switch-lug. J. W. Latta. No. 1,102,931; July 7; Gaz. vol. 204; p. 246.
- Switch mechanism. W. Herskovitz. No. 1,089,051; Mar. 3; Gaz. vol. 200; p. 129.
- Switch mechanism. E. J. Pace. No. 1,119,719; Dec. 1; Gaz. vol. 209; p. 281.
- Switch mechanism, Automatic. C. H. Bencsik. No. 1,116,973; Nov. 10; Gaz. vol. 208; p. 563.
- Switch mechanism, Electrical. R. W. Pachaly. No. 1,091,012; Mar. 24; Gaz. vol. 200; p. 923.
- Switch mechanism, Safety. M. A. Dow. No. 1,096,895; May 19; Gaz. vol. 202; p. 665.
- Switch mechanism, Time-. J. A. Skinner. No. 1,106,416; Aug. 11; Gaz. vol. 205; p. 330.
- Switch-movement. B. C. Webster. No. 1,122,828; Dec. 29; Gaz. vol. 209; p. 1525.
- Switch-opener. H. J. Lantz. No. 1,083,286; Jan. 6; Gaz. vol. 198; p. 9.
- Switch-operating device. E. von Böhlke. No. 1,106,274; Aug. 4; Gaz. vol. 205; p. 237.
- Switch-operating device. C. T. Schaefer. No. 1,116,330; Nov. 3; Gaz. vol. 208; p. 294.
- Switch-operating device. C. L. Stilson. No. 1,086,237; Feb. 3; Gaz. vol. 199; p. 231.
- Switch-operating device, Electric-. A. T. Ytterberg. No. 1,106,126; Aug. 4; Gaz. vol. 205; p. 190.
- Switch-operating mechanism. C. Dougherty, C. F. Jones, and D. M. Case. No. 1,097,971; May 26; Gaz. vol. 202; p. 1089.
- Switch-operating mechanism. A. S. Eliason. No. 1,112,691; Oct. 6; Gaz. vol. 207; p. 101.
- Switch-operating mechanism. J. W. Stone. No. 1,093,589; Apr. 14; Gaz. vol. 201; p. 531.
- Switch parts, Process and machine for making. W. F. Hosford. No. 1,090,618; Mar. 17; Gaz. vol. 200; p. 760.
- Switch-plug. H. R. Sargent. No. 1,094,479; Apr. 28; Gaz. vol. 201; p. 934.
- Switch-plug lock. H. Butz. No. 1,116,561; Nov. 10; Gaz. vol. 208; p. 418.
- Switch-point. F. B. Jones. No. 1,122,004; Dec. 22; Gaz. vol. 209; p. 1202.
- Switch-point-controlling device. W. Thorsteinson. No. 1,089,685; Mar. 10; Gaz. vol. 200; p. 395.
- Switch-point-operating device. D. V. Hochstetler. No. 1,088,342; Feb. 24; Gaz. vol. 199; p. 1102.
- Switch-point-operating mechanism. D. Samaia. No. 1,089,588; Mar. 10; Gaz. vol. 200; p. 361.
- Switch-point, Safety. J. B. Cobb, Jr. No. 1,089,903; Mar. 10; Gaz. vol. 200; p. 469.
- Switch-rod. J. A. McElroy and W. B. Freeman. No. 1,089,940; Mar. 10; Gaz. vol. 200; p. 484.
- Switch-shield. H. H. Jones. No. 1,083,745; Jan. 6; Gaz. vol. 198; p. 162.
- Switch-signal. E. F. Brumbaugh. No. 1,110,880; Sept. 15; Gaz. vol. 206; p. 799.
- Switch-signal apparatus. H. M. Poor. No. 1,119,871; Dec. 8; Gaz. vol. 209; p. 369.
- Switch-stand. H. E. Billman and L. R. Mann. No. 1,120,364; Dec. 8; Gaz. vol. 209; p. 543.
- Switch-stand. H. E. Billman and L. R. Mann. No. 1,120,365; Dec. 8; Gaz. vol. 209; p. 543.
- Switch-stand. R. J. Davidson and J. B. Strong. No. 1,098,021; May 26; Gaz. vol. 202; p. 1105.
- Switch-stand. T. A. Gerlach. No. 1,106,869; Aug. 11; Gaz. vol. 205; p. 493.
- Switch-stand. B. C. Haukenberry. No. 1,094,650; Apr. 28; Gaz. vol. 201; p. 994.
- Switch-stand. J. C. Holman. No. 1,104,895; July 28; Gaz. vol. 204; p. 1065.
- Switch-stand. D. C. Mulvihill. No. 1,099,566; June 9; Gaz. vol. 203; p. 454.
- Switch-stand. S. F. Philips. No. 1,120,529; Dec. 8; Gaz. vol. 209; p. 601.
- Switch-stand. J. W. Straughan. No. 1,099,627; June 9; Gaz. vol. 203; p. 474.
- Switch-stand. J. B. Strong. No. 1,097,996; May 26; Gaz. vol. 202; p. 1097.
- Switch-stand. J. W. Thomas. No. 1,121,778; Dec. 22; Gaz. vol. 209; p. 1121.
- Switch-stand and lock. J. D. Maupin, H. E. Allen, and S. Baldwin. No. 1,104,689; July 21; Gaz. vol. 204; p. 943.
- Switch-stand-crank mechanism. F. C. Anderson. No. 1,088,119; Feb. 24; Gaz. vol. 199; p. 1026.
- Switch-stand lock. L. G. Coleman. No. 1,116,388; Nov. 10; Gaz. vol. 208; p. 355.
- Switch-stand lock. C. Wood. No. 1,089,176; Mar. 3; Gaz. vol. 200; p. 174.
- Switch-stand lock. C. Wood. No. 1,089,177; Mar. 3; Gaz. vol. 200; p. 175.
- Switch-stand mechanism, Interlocking. F. C. Anderson. No. 1,106,533; Aug. 11; Gaz. vol. 205; p. 374.
- Switch-stand mechanism, Lock for interlocking. F. C. Anderson. No. 1,108,879; Sept. 1; Gaz. vol. 206; p. 5.
- Switch-stand target mechanism. F. C. Anderson. No. 1,108,659; Aug. 25; Gaz. vol. 205; p. 1214.
- Switch system, Selective. F. E. Case. No. 1,098,015; May 26; Gaz. vol. 202; p. 1104.
- Switch-throw. W. Hardick and L. A. Ogden. No. 1,110,626; Sept. 15; Gaz. vol. 206; p. 709.
- Switch-throw. W. A. Lines. No. 1,106,657; Aug. 11; Gaz. vol. 205; p. 419.
- Switch-throw. T. L. Wyatt. No. 1,101,771; June 30; Gaz. vol. 203; p. 1354.
- Switch-throwing apparatus, Automatic. J. H. Parkhurst. No. 1,116,108; Nov. 3; Gaz. vol. 208; p. 220.
- Switch-throwing device. E. J. Andrews. No. 1,108,662; Aug. 25; Gaz. vol. 205; p. 1215.
- Switch-throwing device. C. E. Long. No. 1,092,372; Apr. 7; Gaz. vol. 201; p. 86.
- Switch-throwing device. U. S. Moffitt. No. 1,111,313; Sept. 22; Gaz. vol. 206; p. 990.
- Switch-throwing device. F. Wajda. No. 1,110,088; Sept. 8; Gaz. vol. 206; p. 478.
- Switches, Control of electrically-operated. E. R. Carichoff. No. 1,089,820; Mar. 10; Gaz. vol. 200; p. 441.
- Switches, System of selective control of remote-control. P. T. McNally. No. 1,112,019; Sept. 29; Gaz. vol. 206; p. 1269.
- Switchboard-cord reel. F. R. Parker. No. 1,102,164; June 30; Gaz. vol. 203; p. 1493.
- Switchboard-mounting. A. W. Schramm. No. 1,104,709; July 21; Gaz. vol. 204; p. 950.
- Switchboard-plug. R. M. De Vignier. No. 1,101,731; June 30; Gaz. vol. 203; p. 1339.
- Switchboard-plug. M. A. Janes. No. 1,104,195; July 21; Gaz. vol. 204; p. 772.
- Switchboard-plug. L. H. Snyder. No. 1,106,118; Aug. 4; Gaz. vol. 205; p. 187.
- Switching apparatus. H. F. Newbury. No. 1,112,378; Sept. 29; Gaz. vol. 206; p. 1395.
- Switching apparatus, Selective. A. M. Bullard. No. 1,119,923; Dec. 8; Gaz. vol. 209; p. 388.
- Switching apparatus, Selective. E. B. Craft. No. 1,117,553; Nov. 17; Gaz. vol. 208; p. 806.
- Switching apparatus, Selective. A. F. Dixon. No. 1,097,540; May 19; Gaz. vol. 202; p. 889.
- Switching device. D. D. Gordon. No. 1,091,505; Mar. 31; Gaz. vol. 200; p. 1134.
- Switching mechanism. C. A. Bals. No. 1,105,349; July 28; Gaz. vol. 204; p. 1224.
- Switching mechanism. J. A. Nelson. No. 1,099,813; June 9; Gaz. vol. 203; p. 538.
- Switching socket or connector. G. C. Knauff. No. 1,083,542; Jan. 6; Gaz. vol. 198; p. 94.
- Switching socket or connector. G. C. Knauff. No. 1,119,832; Dec. 8; Gaz. vol. 209; p. 356.
- Swivel. E. Chalmers. No. 1,104,408; July 21; Gaz. vol. 204; p. 845.
- Swivel. C. E. Wilcox and W. G. Knapp. No. 1,114,835; Oct. 27; Gaz. vol. 207; p. 984.
- Swivel-connector. G. W. Oakes. No. 1,098,291; May 26; Gaz. vol. 202; p. 1199.
- Swivel, Hydraulic. C. S. Wright. No. 1,113,397; Oct. 13; Gaz. vol. 207; p. 387.
- Swiveling coupling, Fluid-tight. J. G. Leyner. No. 1,096,436; May 12; Gaz. vol. 202; p. 466.
- Synchronism-indicator. V. A. Wolcott. No. 1,091,722; Mar. 31; Gaz. vol. 200; p. 1208.

Alphabetical list of inventions—Continued.

- Synchronizing apparatus. S. Lubin. No. 1,116,453; Nov. 10; Gaz. vol. 208; p. 377.
- Syringe. W. E. Allen. No. 1,123,159; Dec. 29; Gaz. vol. 209; p. 1643.
- Syringe. F. Borsody. No. 1,098,220; May 26; Gaz. vol. 202; p. 1173.
- Syringe. C. F. Dewitt. No. 1,084,257; Jan. 13; Gaz. vol. 198; p. 362.
- Syringe. C. R. Dodge. No. 1,110,189; Sept. 8; Gaz. vol. 206; p. 514.
- Syringe. C. E. Kells. No. 1,116,825; Nov. 10; Gaz. vol. 208; p. 513.
- Syringe. C. D. McAllum. No. 1,115,224; Oct. 27; Gaz. vol. 207; p. 1124.
- Syringe. F. O. Northey. No. 1,115,561; Nov. 3; Gaz. vol. 208; p. 32.
- Syringe. A. Spangler. No. 1,094,685; Apr. 28; Gaz. vol. 201; p. 1007.
- Syringe. J. A. Speck. No. 1,091,977; Mar. 31; Gaz. vol. 200; p. 1297.
- Syringe. C. A. Tyrrell. No. 1,086,873; Feb. 10; Gaz. vol. 199; p. 498.
- Syringe. A. E. Wilde. No. 1,092,684; Apr. 7; Gaz. vol. 201; p. 193.
- Syringe. A. E. Wilde. No. 1,114,561; Oct. 20; Gaz. vol. 207; p. 836.
- Syringe attachment, Fountain-. H. F. Ong. No. 1,099,760; June 9; Gaz. vol. 203; p. 520.
- Syringe, Fountain-. L. E. Pease. No. 1,093,353; Apr. 14; Gaz. vol. 201; p. 457.
- Syringe, hot-water bag, and ice-bag, Combined. I. L. Turman. No. 1,119,666; Dec. 1; Gaz. vol. 209; p. 264.
- Syringe, Hypodermic. R. E. Ingalls. No. 1,105,275; July 28; Gaz. vol. 204; p. 1195.
- Syringe, Hypodermic. R. S. Porter. No. 1,093,471; Apr. 14; Gaz. vol. 201; p. 495.
- Syringe, Hypodermic. G. R. Schimmel. No. 1,101,571; June 30; Gaz. vol. 203; p. 1287.
- Syringe, Hypodermic. J. H. Wedig. No. 1,100,798; June 23; Gaz. vol. 203; p. 967.
- Syringe, Hypodermic. J. H. Wedig. No. 1,100,799; June 23; Gaz. vol. 203; p. 967.
- Syringe-nozzle. F. A. Gordon. No. 1,104,659; July 21; Gaz. vol. 204; p. 933.
- Syringe nozzle, Vaginal-. S. L. Kistler. No. 1,089,061; Mar. 3; Gaz. vol. 200; p. 132.
- Syringe pressure-clamp, Fountain-. M. J. Rabat. No. 1,102,953; July 7; Gaz. vol. 204; p. 253.
- Syringe, Rectal. A. C. Eggers. No. 1,087,935; Feb. 24; Gaz. vol. 199; p. 961.
- Syringe-tank. E. Telleson. No. 1,092,231; Apr. 7; Gaz. vol. 201; p. 36.
- Syringe, Vaginal. C. O. Rice. No. 1,115,107; Oct. 27; Gaz. vol. 207; p. 1081.
- Syrup-making device. J. Kaufer. No. 1,094,660; Apr. 28; Gaz. vol. 201; p. 999.
- Syrup, Manufacture of. M. C. Rich. No. 1,104,135; July 21; Gaz. vol. 204; p. 752.
- Syrups and sugars, Producing. C. B. Duryea. No. 1,110,755; Sept. 15; Gaz. vol. 206; p. 753.
- Tab end. H. J. Stuart. No. 1,112,396; Sept. 29; Gaz. vol. 206; p. 1402.
- Tab-inserting mechanism. S. J. Halliday. No. 1,117,564; Nov. 17; Gaz. vol. 208; p. 810.
- Table. See Adjustable table; Automobile turn-table; Baling-press feed-table; Bed-table; Billiard-table; Brick-cut-off table; Cabinet-table; Concentrating-table; Convertible table; Cutting-table; Cutting and pasting table; Dining-table; Electric heating-table; Electric-lamp table; Extensible table; Extension-table; Foldable table; Folding table; Folding and knockdown table; Form-table; Fracture-table; Game-table; Glass-grinding table; Ironing-table; Knockdown table; Mill-table; Operating-table; Ore-concentrating table; Osteopathic table; Printing-press feed-table; Receiving-table; Revolving table; Rolling-mill roller-table; Saw-table; Self-leveling table; Serving-table; Ship-table; Ship's table; Shuffle-board table; Stretching and ironing table; Supporting-table; Swinging table; Time-table; Turn-table; Veterinary operating-table.
- Table. P. Albano. No. 1,086,800; Feb. 10; Gaz. vol. 199; p. 473.
- Table. W. O. Bagaasen. No. 1,118,725; Nov. 24; Gaz. vol. 208; p. 1257.
- Table. D. Choquette. No. 1,123,096; Dec. 29; Gaz. vol. 209; p. 1619.
- Table. J. B. Clouser. No. 1,115,899; Nov. 3; Gaz. vol. 208; p. 147.
- Table. G. Corbo. No. 1,085,323; Jan. 27; Gaz. vol. 198; p. 788.
- Table. B. T. Eaton. No. 1,112,276; Sept. 29; Gaz. vol. 206; p. 1360.
- Table. C. S. Holt. No. 1,094,900; Apr. 28; Gaz. vol. 201; p. 1082.
- Table. R. Luigi and R. Amindo. No. 1,096,732; May 12; Gaz. vol. 202; p. 565.
- Table. L. Miller. No. 1,104,917; July 28; Gaz. vol. 204; p. 1072.
- Table. C. G. Quackenbush. No. 1,090,752; Mar. 17; Gaz. vol. 200; p. 801.
- Table. F. K. B. T. Rose. No. 1,118,447; Nov. 24; Gaz. vol. 208; p. 1161.
- Table. F. C. Rowell. No. 1,115,578; Nov. 3; Gaz. vol. 208; p. 38.
- Table. N. P. Samuelsen and S. R. Dejgaard. No. 1,099,620; June 9; Gaz. vol. 203; p. 471.
- Table. G. Steingrüber. No. 1,084,499; Jan. 13; Gaz. vol. 198; p. 438.
- Table. S. C. Thompson. No. 1,089,289; Mar. 3; Gaz. vol. 200; p. 210.
- Table. G. D. Tolman. No. 1,118,704; Nov. 24; Gaz. vol. 208; p. 1250.
- Table. M. B. Turner. No. 1,118,851; Nov. 24; Gaz. vol. 208; p. 1298.
- Table. J. Wallin. No. 1,097,956; May 26; Gaz. vol. 202; p. 1083.
- Table and ironing-board, Combined. J. Jasus. No. 1,100,887; June 23; Gaz. vol. 203; p. 998.
- Table attachment, Dining-. I. J. Burd. No. 1,108,692; Aug. 25; Gaz. vol. 205; p. 1224.
- Table attachment, Operating-. I. Eriksen. No. 1,115,794; Nov. 3; Gaz. vol. 208; p. 110.
- Table chest, Combination provision and extensible-. H. W. Bauer. No. 1,109,734; Sept. 8; Gaz. vol. 206; p. 352.
- Table-equilibrizer. D. A. Penedo. No. 1,095,668; May 5; Gaz. vol. 202; p. 169.
- Table for instruments and the like. F. B. Henderson. No. 1,113,991; Oct. 20; Gaz. vol. 207; p. 633.
- Table-lock. C. S. Burton. No. 1,098,013; May 26; Gaz. vol. 202; p. 1103.
- Table-lock and opener, Combination. G. T. Buddle. No. 1,103,029; July 14; Gaz. vol. 204; p. 328.
- Table-leg socket. H. S. Erdman. No. 1,120,702; Dec. 15; Gaz. vol. 209; p. 710.
- Table or counter attachment. N. Lauletta. No. 1,113,793; Oct. 13; Gaz. vol. 207; p. 525.
- Table-slide. F. B. Walter. No. 1,085,648; Feb. 3; Gaz. vol. 199; p. 24.
- Table slide, Extension-. R. Hobbs and A. E. Teal. No. 1,121,627; Dec. 22; Gaz. vol. 209; p. 1069.
- Table-sweeper. P. J. Rees. No. 1,115,023; Oct. 27; Gaz. vol. 207; p. 1052.
- Tables and other supports, Attachment for. E. L. Combes. No. 1,098,482; June 2; Gaz. vol. 203; p. 44.
- Tables, Extension-leaf for folding. H. A. Stone. No. 1,094,032; Apr. 21; Gaz. vol. 201; p. 724.
- Tables, Head mechanism for shaking-. C. I. Glassbrook. No. 1,120,304; Dec. 8; Gaz. vol. 209; p. 521.
- Tables or the like, Pivoting means for. T. A. De Vilbiss. No. 1,093,038; Apr. 14; Gaz. vol. 201; p. 347.
- Tables, Paper-cutter attachment for. I. Deatherage. No. 1,093,543; Apr. 14; Gaz. vol. 201; p. 516.
- Tables, Pedal-operated lock for extension-. C. S. Burton. No. 1,113,192; Oct. 13; Gaz. vol. 207; p. 312.
- Tablet. W. K. Waterman. No. 1,086,960; Feb. 10; Gaz. vol. 199; p. 527.
- Tablet and antidote, Poisonous. J. A. Bergstrom. No. 1,112,755; Oct. 6; Gaz. vol. 207; p. 122.
- Tablet holder, Memorial-. L. Hoffmann. No. 1,090,062; Mar. 10; Gaz. vol. 200; p. 524.
- Tablet-machine. E. L. Richards. No. 1,105,838; Aug. 4; Gaz. vol. 205; p. 88.
- Tablet-making machine. L. P. Tenca. No. 1,100,928; June 23; Gaz. vol. 203; p. 1014.
- Tablet-packaging machine. O. E. Hermann and E. C. De Witt. No. 1,095,277; May 5; Gaz. vol. 202; p. 35.
- Tablet-wrapping machine. F. Grover. No. 1,110,133; Sept. 8; Gaz. vol. 206; p. 596.
- Tablet, Writing-. J. E. Smid. No. 1,093,082; Apr. 14; Gaz. vol. 201; p. 363.
- Tabulating-machine. H. E. Goldberg. No. 1,119,010; Dec. 1; Gaz. vol. 209; p. 38.
- Tabulating-machine. H. Hollerith. No. 1,087,061; Feb. 10; Gaz. vol. 199; p. 558.
- Tabulating-machine. R. B. Webster. No. 1,118,978; Dec. 1; Gaz. vol. 209; p. 26.
- Tabulating mechanism. G. W. Ramsey. No. 1,109,870; Sept. 8; Gaz. vol. 206; p. 399.
- Tabulating systems, Apparatus for use in. H. Hollerith. No. 1,109,841; Sept. 8; Gaz. vol. 206; p. 388.
- Tabulator, Expense-. E. L. Brown. No. 1,094,299; Apr. 21; Gaz. vol. 201; p. 812.
- Tabulator mechanism. G. C. Blickensderfer. No. 1,116,553; Nov. 10; Gaz. vol. 208; p. 415.
- Tachometers for temperature variations, Means for compensating. E. M. Thompson. No. 1,088,943; Mar. 3; Gaz. vol. 200; p. 93.
- Tack. A. Hamill. No. 1,087,580; Feb. 17; Gaz. vol. 199; p. 793.
- Tack, Baling-. G. W. Furth. No. 1,109,746; Sept. 8; Gaz. vol. 206; p. 356.
- Tack-driver. J. P. Gardner. No. 1,106,646; Aug. 11; Gaz. vol. 205; p. 415.
- Tack-machines, Automatic feeding device for. T. H. Wynn. No. 1,102,625; July 7; Gaz. vol. 204; p. 143.
- Tack or rivet setter. K. A. Maxwell. No. 1,122,525; Dec. 29; Gaz. vol. 209; p. 1418.
- Tack-plate feeder. A. T. Keith. No. 1,098,906; June 2; Gaz. vol. 203; p. 187.
- Tack puller, Lasting-. W. L. Thorne. No. 1,101,105; June 23; Gaz. vol. 203; p. 1074.

Alphabetical list of inventions—Continued.

- Tack pulling and resetting machine. J. B. Hadaway. No. 1,109,220; Sept. 1; Gaz. vol. 206; p. 129.
- Tack-pulling machine. H. Lyon. No. 1,119,708; Dec. 1; Gaz. vol. 209; p. 278.
- Tack-pulling machine. F. L. MacKenzie. No. 1,109,238; Sept. 1; Gaz. vol. 206; p. 136.
- Tack, Shoe-. C. Pendzialek. No. 1,083,855; Jan. 6; Gaz. vol. 198; p. 194.
- Tack-supplying mechanism. R. F. McFeely. No. 1,107,337; Aug. 18; Gaz. vol. 205; p. 703.
- Tackers, Loader for hand-. H. A. Ballard. No. 1,114,330; Oct. 20; Gaz. vol. 207; p. 754.
- Tacking device. B. W. Tucker. No. 1,093,300; Apr. 14; Gaz. vol. 201; p. 440.
- Tag. C. R. Dodge. No. 1,108,835; Aug. 25; Gaz. vol. 205; p. 1274.
- Tag affixing and marking machine, Combined. C. R. Dodge. No. 1,108,837; Aug. 25; Gaz. vol. 205; p. 1275.
- Tag carrier, License-. H. A. Devlin. No. 1,086,445; Feb. 10; Gaz. vol. 199; p. 347.
- Tag-fastener. D. E. Walshe. No. 1,103,853; July 14; Gaz. vol. 204; p. 614.
- Tag former and affixer. C. R. Dodge. No. 1,108,836; Aug. 25; Gaz. vol. 205; p. 1274.
- Tag-holder. E. F. Brown. No. 1,117,478; Nov. 17; Gaz. vol. 208; p. 781.
- Tag holder, Illuminated license-. T. Schwab. No. 1,115,585; Nov. 3; Gaz. vol. 208; p. 40.
- Tag-holding device. M. E. Towler. No. 1,110,467; Sept. 15; Gaz. vol. 206; p. 653.
- Tag-hook. W. L. Daly. No. 1,107,910; Aug. 18; Gaz. vol. 205; p. 904.
- Tag, Identification or marking. L. D. Wheatley. No. 1,111,629; Sept. 22; Gaz. vol. 206; p. 1099.
- Tag, Key-ring. T. C. J. Andersen. No. 1,099,869; June 9; Gaz. vol. 203; p. 557.
- Tag, Laundry-. F. L. Borchert. No. 1,120,592; Dec. 8; Gaz. vol. 209; p. 624.
- Tag, Marking-. F. C. Noyes. No. 1,110,509; Sept. 15; Gaz. vol. 206; p. 668.
- Tag marking and forming machine. W. C. Bonthron. No. 1,086,583; Feb. 10; Gaz. vol. 199; p. 397.
- Tag or check. A. B. Polyanich. No. 1,089,956; Mar. 10; Gaz. vol. 200; p. 488.
- Tag or ticket making apparatus, Factory. C. H. Nichols. No. 1,105,995; Aug. 4; Gaz. vol. 205; p. 143.
- Tag, Shipping-. J. G. Hughes. No. 1,096,370; May 12; Gaz. vol. 202; p. 445.
- Tag, Snap-. T. W. Bartholomew. No. 1,121,061; Dec. 15; Gaz. vol. 209; p. 837.
- Tag-stringing machine. E. W. T. and R. S. G. Frodigh. No. 1,102,259; July 7; Gaz. vol. 204; p. 13.
- Tail-block, Wheel-press. G. T. Reiss. No. 1,092,597; Apr. 7; Gaz. vol. 201; p. 164.
- Tail-light frontal indicator, Vehicular. G. E. Kilburn. No. 1,099,751; June 9; Gaz. vol. 203; p. 517.
- Tailings, Apparatus for the disposal of. J. V. Dorr. No. 1,103,352; July 14; Gaz. vol. 204; p. 440.
- Tailings, Disposal of. J. V. Dorr. No. 1,103,351; July 14; Gaz. vol. 204; p. 440.
- Tailor's iron. A. Durand. No. 1,110,537; Sept. 15; Gaz. vol. 206; p. 676.
- Talking-machine. G. W. Brogan. No. 1,099,913; June 16; Gaz. vol. 203; p. 609.
- Talking-machine. M. B. Claussen. No. 1,084,571; Jan. 13; Gaz. vol. 198; p. 464.
- Talking-machine. M. B. Claussen. No. 1,084,572; Jan. 13; Gaz. vol. 198; p. 464.
- Talking-machine. M. B. Claussen. No. 1,084,573; Jan. 13; Gaz. vol. 198; p. 465.
- Talking-machine. J. C. English. No. 1,107,597; Aug. 18; Gaz. vol. 205; p. 797.
- Talking-machine. E. A. Friedlander. No. 1,093,611; Apr. 21; Gaz. vol. 201; p. 582.
- Talking-machine. J. Green. No. 1,094,067; Apr. 21; Gaz. vol. 201; p. 736.
- Talking-machine. C. L. Hibbard. No. 1,118,902; Nov. 24; Gaz. vol. 208; p. 1315.
- Talking-machine. T. H. Macdonald. No. 1,099,928; June 16; Gaz. vol. 203; p. 615.
- Talking-machine. E. E. Norton. No. 1,095,225; May 5; Gaz. vol. 202; p. 18.
- Talking-machine. W. H. Pumphrey. No. 1,087,256; Feb. 17; Gaz. vol. 199; p. 680.
- Talking-machine. C. Ruppel. No. 1,104,935; July 28; Gaz. vol. 204; p. 1078.
- Talking-machine. G. di Stanislao. No. 1,095,747; May 5; Gaz. vol. 202; p. 196.
- Talking-machine. C. E. Woods. No. 1,106,269; Aug. 4; Gaz. vol. 205; p. 236.
- Talking-machine. C. E. Woods. No. 1,108,301; Aug. 25; Gaz. vol. 205; p. 1091.
- Talking-machine attachment. W. C. Holland. No. 1,087,493; Feb. 17; Gaz. vol. 199; p. 762.
- Talking-machine attachment. W. H. Schoonmaker. No. 1,121,139; Dec. 15; Gaz. vol. 209; p. 865.
- Talking-machine automatic stop. Q. A. and L. D. Atwood. No. 1,108,315; Aug. 25; Gaz. vol. 205; p. 1096.
- Talking-machine automatic stop. J. Kohn. No. 1,107,079; Aug. 11; Gaz. vol. 205; p. 563.
- Talking-machine cabinet. A. M. Ewart. No. 1,121,238; Dec. 15; Gaz. vol. 209; p. 897.
- Talking-machine, Disk. M. Marcus. No. 1,115,707; Nov. 3; Gaz. vol. 208; p. 83.
- Talking-machine-record-filing device. A. L. Wels. No. 1,120,872; Dec. 15; Gaz. vol. 209; p. 770.
- Talking-machine records, Filing device for. A. L. Wels. No. 1,117,118; Nov. 10; Gaz. vol. 208; p. 613.
- Talking-machine records, Mechanism for exhibiting illustrations of. H. Seemann. No. 1,101,760; June 30; Gaz. vol. 203; p. 1350.
- Talking-machine repeating device. L. Abraham. No. 1,117,143; Nov. 10; Gaz. vol. 208; p. 623.
- Talking-machine sound-box. W. N. Dennison. No. 1,084,319; Jan. 13; Gaz. vol. 198; p. 383.
- Talking-machine sound-box. H. W. Hess. No. 1,118,345; Nov. 24; Gaz. vol. 208; p. 1123.
- Talking-machine sound-box. A. D. Jones. No. 1,118,653; Nov. 24; Gaz. vol. 208; p. 1232.
- Talking-machine sound-box. H. Sheble. No. 1,102,090; June 30; Gaz. vol. 203; p. 1468.
- Talking-machine speed-governor. C. E. Woods. No. 1,121,887; Dec. 22; Gaz. vol. 209; p. 1161.
- Talking-machine starter. H. B. Fitz Gerald. No. 1,084,420; Jan. 13; Gaz. vol. 198; p. 414.
- Talking-machine tone-arm. E. Peltovitz. No. 1,094,166; Apr. 21; Gaz. vol. 201; p. 770.
- Talking-machine tone-arm. C. E. Woods. No. 1,108,302; Aug. 25; Gaz. vol. 205; p. 1092.
- Talking-machines, Automatic stop for. E. C. Baldon. No. 1,095,066; Apr. 28; Gaz. vol. 201; p. 1139.
- Talking-machines, Clarifying attachment for. W. J. Burchett. No. 1,084,570; Jan. 13; Gaz. vol. 198; p. 464.
- Talking-machines, Diaphragm for the sound-boxes of. J. Schmittinger. No. 1,104,833; July 28; Gaz. vol. 204; p. 1043.
- Talking-machines, Flexible joint for the tone-arms of. A. Fischer. No. 1,097,618; May 26; Gaz. vol. 202; p. 960.
- Talking-machines, Repeating device for disk. L. Abraham. No. 1,104,760; July 28; Gaz. vol. 204; p. 1017.
- Talking-machines, Repeating mechanism for. L. Abraham. No. 1,107,242; Aug. 11; Gaz. vol. 205; p. 622.
- Talking-machines, Reproducer for. C. E. Woods. No. 1,096,661; May 12; Gaz. vol. 202; p. 542.
- Tally. F. T. Riley. No. 1,090,346; Mar. 17; Gaz. vol. 200; p. 664.
- Tally-card. T. A. Stevens. No. 1,092,184; Apr. 7; Gaz. vol. 201; p. 21.
- Tamp. J. F. McCoy. No. 1,107,976; Aug. 18; Gaz. vol. 205; p. 928.
- Tamper. F. A. Stafford. No. 1,085,505; Jan. 27; Gaz. vol. 198; p. 847.
- Tamping apparatus. C. S. Wert. No. 1,085,716; Feb. 3; Gaz. vol. 199; p. 48.
- Tamping-machine. C. W. Bradley. No. 1,085,534; Jan. 27; Gaz. vol. 198; p. 856.
- Tamping machine, Cement-block-. W. C. Hazelton. No. 1,120,383; Dec. 8; Gaz. vol. 209; p. 550.
- Tandem press. A. J. Lewis. No. 1,106,571; Aug. 11; Gaz. vol. 205; p. 389.
- Tangential-flame furnace. W. N. Best. No. 1,091,475; Mar. 31; Gaz. vol. 200; p. 1123.
- Tank. See Air-tank; Automobile fuel-tank; Chemical-tank; Closet-tank; Compression-tank; Cooling-tank; Cycle oil-tank; Engine-tank; Film-developing tank; Flush-tank; Flushing-tank; Freezing-tank; Hog-scalding tank; Photographic developing-tank; Reserve-tank; Reserve-supply tank; Separating-tank; Settling-tank; Sewage-tank; Sterilizing-tank; Storage-tank; Swimming-tank; Syringe-tank.
- Tank. G. F. Bason. No. 1,103,470; July 14; Gaz. vol. 204; p. 480.
- Tank. E. A. Hornbostel. No. 1,086,711; Feb. 10; Gaz. vol. 199; p. 440.
- Tank. K. Jagschitz. No. 1,120,199; Dec. 8; Gaz. vol. 209; p. 485.
- Tank. E. James. No. 1,085,685; Feb. 3; Gaz. vol. 199; p. 87.
- Tank and stand-pipe protector. J. F. Warwick. No. 1,120,108; Dec. 8; Gaz. vol. 209; p. 451.
- Tank-bottom holder. W. O. Smith. No. 1,106,743; Aug. 11; Gaz. vol. 205; p. 448.
- Tank bulb or valve. I. F. Kepler. No. 1,112,294; Sept. 29; Gaz. vol. 206; p. 1366.
- Tank-closure and strainer, Fusible. W. H. McNutt. No. 1,114,166; Oct. 20; Gaz. vol. 207; p. 695.
- Tank-filling apparatus. A. A. Bowser. No. 1,107,886; Aug. 18; Gaz. vol. 205; p. 897.
- Tank-gage. G. G. Duffoth. No. 1,106,552; Aug. 11; Gaz. vol. 205; p. 382.
- Tank-heater. J. H. Bernhard. No. 1,113,185; Oct. 13; Gaz. vol. 207; p. 309.
- Tank-heater. F. H. V. Langelan. No. 1,098,328; May 26; Gaz. vol. 202; p. 1212.
- Tank-heater. H. A. Schuck. No. 1,119,195; Dec. 1; Gaz. vol. 209; p. 103.
- Tank-heater. A. E. Smith. No. 1,118,514; Nov. 24; Gaz. vol. 208; p. 1184.

Alphabetical list of inventions—Continued.

- Tank-heater and feed-cooker, Submerged combination. A. L. Trachte. No. 1,118,599; Nov. 24; Gaz. vol. 208; p. 1214.
- Tank heater, Water-. J. M. Sieger. No. 1,114,394; Oct. 20; Gaz. vol. 207; p. 776.
- Tank-indicator. H. N. Palmer. No. 1,106,106; Aug. 4; Gaz. vol. 205; p. 183.
- Tank indicator, Gasolene-. C. J. L. F. Cetti. No. 1,112,522; Oct. 6; Gaz. vol. 207; p. 39.
- Tank inlet, Swimming-. J. F. Booraem and G. E. Rohmer. No. 1,091,799; Mar. 31; Gaz. vol. 200; p. 1236.
- Tank lever, Flush-. H. R. Kuehner. No. 1,086,456; Feb. 10; Gaz. vol. 199; p. 352.
- Tank-outflow. V. W. Harmon. No. 1,101,073; June 23; Gaz. vol. 203; p. 1064.
- Tank-outlet. V. W. Gould and C. P. Field. No. 1,086,663; Feb. 10; Gaz. vol. 199; p. 423.
- Tank-outlet. W. Q. Pfahler. No. 1,113,683; Oct. 13; Gaz. vol. 207; p. 485.
- Tank-regulator, Automatic. W. M. Fulton. No. 1,102,035; June 30; Gaz. vol. 203; p. 1449.
- Tank regulator, Flush-. E. G. Wagner. No. 1,113,518; Oct. 13; Gaz. vol. 207; p. 430.
- Tape reproducer, Perforated-. C. G. Ashley. No. 1,120,356; Dec. 8; Gaz. vol. 209; p. 540.
- Tank reserve attachment, Fuel-. W. W. Williams. No. 1,102,971; July 7; Gaz. vol. 204; p. 259.
- Tank-siphon. P. Balze. No. 1,090,189; Mar. 17; Gaz. vol. 200; p. 610.
- Tank-trap. M. N. Diall. No. 1,095,827; May 5; Gaz. vol. 202; p. 223.
- Tanks and the like, Device for cleaning watering-. H. C. Harrington. No. 1,101,541; June 30; Gaz. vol. 203; p. 1275.
- Tanks, Blow-off and valve for gas-. G. Clarke. No. 1,093,254; Apr. 14; Gaz. vol. 201; p. 423.
- Tanks, Electric low-level signal for. O. C. Carr. No. 1,095,811; May 5; Gaz. vol. 202; p. 218.
- Tanks, Means for preventing condensation of moisture in transformer-. F. C. Green. No. 1,108,746; Aug. 25; Gaz. vol. 205; p. 1244.
- Tanner's toggle. J. D. Coughlin. No. 1,084,539; Jan. 13; Gaz. vol. 198; p. 452.
- Tanning extracts, Making. M. Hamel. No. 1,098,348; May 26; Gaz. vol. 202; p. 1218.
- Tanning hides. G. S. Kimball. No. 1,086,538; Feb. 10; Gaz. vol. 199; p. 380.
- Tanning leather. J. C. Cleary. No. 1,107,759; Aug. 18; Gaz. vol. 205; p. 855.
- Tanning liquors, Apparatus for preparing. J. Forster. No. 1,107,925; Aug. 18; Gaz. vol. 205; p. 910.
- Tanning material. O. Schmidt and J. Müller. No. 1,089,797; Mar. 10; Gaz. vol. 200; p. 432.
- Tanning skins and making same, Compounds for. L. Polak. No. 1,107,107; Aug. 11; Gaz. vol. 205; p. 572.
- Tap. S. Dupre, Jr. No. 1,095,716; May 5; Gaz. vol. 202; p. 185.
- Tap. W. A. Fraser. No. 1,097,416; May 19; Gaz. vol. 202; p. 848.
- Tap and drill-gage, Combined. F. O. Jaques, Jr. No. 1,093,331; Apr. 14; Gaz. vol. 201; p. 450.
- Tap and valve. J. Scherr. No. 1,089,160; Mar. 3; Gaz. vol. 200; p. 170.
- Tap-barrel. J. Melisch. No. 1,096,117; May 12; Gaz. vol. 202; p. 357.
- Tap, Double-ended. O. A. Smith. No. 1,111,413; Sept. 22; Gaz. vol. 206; p. 1024.
- Tap extension. A. Walz. No. 1,088,855; Mar. 3; Gaz. vol. 200; p. 62.
- Tap-wrench. F. E. Wells. No. 1,099,681; June 9; Gaz. vol. 203; p. 494.
- Tapping-machine. A. W. Cash. No. 1,094,425; Apr. 28; Gaz. vol. 201; p. 913.
- Tape case and winding drum. G. F. Putnam and H. H. Wessendorff. No. 1,105,579; July 28; Gaz. vol. 204; p. 1304.
- Tape-condenser. F. Queiser. No. 1,092,595; Apr. 7; Gaz. vol. 201; p. 163.
- Tape for fastening clothes. P. Burdet-Chevalier. No. 1,095,805; May 5; Gaz. vol. 202; p. 216.
- Tape-line holder. J. Pronovost. No. 1,100,325; June 16; Gaz. vol. 203; p. 752.
- Tape, Loop-. G. B. Smith. No. 1,108,262; Aug. 25; Gaz. vol. 205; p. 1076.
- Tape machine, Gummed-. F. Koch. No. 1,097,721; May 26; Gaz. vol. 202; p. 998.
- Tape-reel. G. F. Putnam. No. 1,106,969; Aug. 11; Gaz. vol. 205; p. 528.
- Tape-reel. N. Roe. No. 1,110,994; Sept. 15; Gaz. vol. 206; p. 836.
- Tape, Twistless. G. F. Earnshaw. No. 1,100,060; June 16; Gaz. vol. 203; p. 660.
- Taper-pin box-tool, Adjustable. T. W. Chapman. No. 1,096,152; May 12; Gaz. vol. 202; p. 369.
- Target. G. A. Wehner. No. 1,093,667; Apr. 21; Gaz. vol. 201; p. 602.
- Target apparatus. C. W. Harper. No. 1,098,255; May 26; Gaz. vol. 202; p. 1185.
- Target caused at sea by rolling and yawing, Method and apparatus for simulating the appearance of movement in a. W. D. MacDougall. No. 1,093,639; Apr. 21; Gaz. vol. 201; p. 592.
- Target figure. O. J. Boyt. No. 1,120,265; Dec. 8; Gaz. vol. 209; p. 508.
- Target for pleasure-shooting, Impact-illuminated. W. H. Buell. No. 1,091,116; Mar. 24; Gaz. vol. 200; p. 960.
- Target for pleasure-shooting, Impact-illuminated. W. H. Buell. No. 1,093,171; Apr. 14; Gaz. vol. 201; p. 395.
- Target for plumb-bob strings. B. Wuth. No. 1,101,375; June 23; Gaz. vol. 203; p. 1167.
- Target-indicating means. I. L. Reeves. No. 1,121,867; Dec. 22; Gaz. vol. 209; p. 1154.
- Target-operating mechanism. C. E. Wenrich. No. 1,088,668; Feb. 24; Gaz. vol. 199; p. 1209.
- Target-practice apparatus. A. A. Adams. No. 1,086,882; Feb. 10; Gaz. vol. 199; p. 501.
- Target-practice apparatus. F. Mitchell. No. 1,086,836; Feb. 10; Gaz. vol. 199; p. 485.
- Target, Rifle-. C. H. Whitman. No. 1,123,051; Dec. 29; Gaz. vol. 209; p. 1604.
- Target, Self-indicating. O. Klein. No. 1,100,246; June 16; Gaz. vol. 203; p. 725.
- Target, Self-scoring. M. S. Ellis. No. 1,096,292; May 12; Gaz. vol. 202; p. 418.
- Target, Switch-. E. R. Trammell. No. 1,098,063; May 26; Gaz. vol. 202; p. 1120.
- Target system, Movable-. M. A. Palen. No. 1,087,507; Feb. 17; Gaz. vol. 199; p. 767.
- Taxicab-meter protector. W. L. Dixon and F. E. Shanley. No. 1,112,273; Sept. 29; Gaz. vol. 206; p. 1359.
- Taximeter. W. Lewin. No. 1,084,018; Jan. 13; Gaz. vol. 198; p. 281.
- Taximeter. C. Mascart. No. 1,100,138; June 16; Gaz. vol. 203; p. 688.
- Taximeter. P. Richert. No. 1,084,032; Jan. 13; Gaz. vol. 198; p. 286.
- Tea, Compounding a commercial essence of. J. T. Moncrief. No. 1,094,675; Apr. 28; Gaz. vol. 201; p. 1004.
- Teaching fractions, Device for. I. Pannenkowa. No. 1,098,330; May 26; Gaz. vol. 202; p. 1212.
- Teaching spelling and the like, Means for. J. L. Thomson. No. 1,099,324; June 9; Gaz. vol. 203; p. 371.
- Teddy bear, Double-faced. L. S. Schiffer. No. 1,099,208; June 9; Gaz. vol. 203; p. 330.
- Tee-box. L. F. Deming. No. 1,089,824; Mar. 10; Gaz. vol. 200; p. 442.
- Teeth, Anchor for artificial. J. W. Ivory. No. 1,110,791; Sept. 15; Gaz. vol. 206; p. 766.
- Teeth, Artificial. F. Heyde. No. 1,112,697; Oct. 6; Gaz. vol. 207; p. 103.
- Teeth, Backing-plate for artificial. G. E. Fritz. No. 1,122,718; Dec. 29; Gaz. vol. 209; p. 1486.
- Teeth, Composition of matter to be used for the manufacture of plates for artificial. R. H. Newton. No. 1,090,939; Mar. 24; Gaz. vol. 200; p. 898.
- Teeth, Dental pin for artificial. H. A. Edwards and E. A. Shilling. No. 1,083,893; Jan. 6; Gaz. vol. 198; p. 205.
- Teeth, Filling. T. B. Magill. No. 1,118,301; Nov. 24; Gaz. vol. 208; p. 1107.
- Teeth-fillings, Adjustable matrix for. T. D. Thurmond. No. 1,095,948; May 5; Gaz. vol. 202; p. 262.
- Teeth for practice-work in dental surgery, Set of. F. D. Weisse. No. 1,108,290; Aug. 25; Gaz. vol. 205; p. 1087.
- Teeth, Implement for forming metal backs for artificial. E. D. R. Garden. No. 1,113,325; Oct. 13; Gaz. vol. 207; p. 361.
- Teeth or for similar purposes, Matrix device for use in stopping or filling. F. J. Bonnalie. No. 1,097,520; May 19; Gaz. vol. 202; p. 883.
- Teeth, Removable attachment for compensating malarticulation of. M. S. Charles. No. 1,104,290; July 21; Gaz. vol. 204; p. 805.
- Teeth, Retaining means for sets of. J. Lautenburg. No. 1,091,852; Mar. 31; Gaz. vol. 200; p. 1255.
- Teething device. J. S. Bridges. No. 1,095,264; May 5; Gaz. vol. 202; p. 31.
- Teething-ring. W. Ripley. No. 1,117,093; Nov. 10; Gaz. vol. 208; p. 606.
- Telautographic apparatus. G. S. Tiffany. No. 1,085,069; Jan. 20; Gaz. vol. 198; p. 661.
- Telegraph alarm, Automatic ship's-. J. A. Sullivan. No. 1,099,673; June 6; Gaz. vol. 203; p. 490.
- Telegraph alphabet, Printing-. D. S. Hulfish. No. 1,118,650; Nov. 24; Gaz. vol. 208; p. 1231.
- Telegraph and like lines against inductive action from neighboring circuits, Device for protecting. O. Moll and P. Kuschewitz. No. 1,120,517; Dec. 8; Gaz. vol. 209; p. 596.
- Telegraph and like pole bracket. H. Lench. No. 1,121,513; Dec. 15; Gaz. vol. 209; p. 992.
- Telegraph and telephone systems, Line-protector for. T. Gonzalez y Sebasco. No. 1,111,574; Sept. 22; Gaz. vol. 206; p. 1081.
- Telegraph apparatus. G. P. Blessing. No. 1,108,545; Aug. 25; Gaz. vol. 205; p. 1176.
- Telegraph apparatus, Attachment for. L. C. Page. No. 1,093,725; Apr. 21; Gaz. vol. 201; p. 623.

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- Telegraph, Electric writing-. E. H. and K. A. Widegren. No. 1,106,762; Aug. 11; Gaz. vol. 205; p. 455.
- Telegraph, Electromagnetic. D. M. Bliss. No. 1,102,234; July 7; Gaz. vol. 204; p. 5.
- Telegraph installation for aerial vessels, Wireless-. L. Rouzet. No. 1,106,729; Aug. 11; Gaz. vol. 205; p. 444.
- Telegraph-key. A. H. Adams. No. 1,100,167; June 16; Gaz. vol. 203; p. 698.
- Telegraph-key. A. H. Adams and J. N. Wallace. No. 1,100,168; June 16; Gaz. vol. 203; p. 699.
- Telegraph-key. R. L. Boulter. No. 1,109,818; Sept. 8; Gaz. vol. 206; p. 379.
- Telegraph-key. R. L. Boulter. No. 1,110,373; Sept. 15; Gaz. vol. 206; p. 619.
- Telegraph-key. R. C. Brittin. No. 1,099,912; June 16; Gaz. vol. 203; p. 609.
- Telegraph-key. B. B. Youmans. No. 1,109,310; Sept. 1; Gaz. vol. 206; p. 160.
- Telegraph-lines, Apparatus and method for counteracting the inductance disturbances in. C. Priest. No. 1,094,472; Apr. 28; Gaz. vol. 201; p. 932.
- Telegraph or telephone device, Intercommunicating. A. C. Carlson. No. 1,105,485; July 28; Gaz. vol. 204; p. 1271.
- Telegraph or telephone system, Wireless. W. H. Shephard and A. E. McKechnie. No. 1,104,712; July 21; Gaz. vol. 204; p. 951.
- Telegraph or telephone system, Wireless. W. H. Shephard and A. E. McKechnie. No. 1,104,746; July 21; Gaz. vol. 204; p. 963.
- Telegraph-pole and the like. B. Haskell. No. 1,093,326; Apr. 14; Gaz. vol. 201; p. 448.
- Telegraph-pole and the like. B. Haskell. No. 1,105,776; Aug. 4; Gaz. vol. 205; p. 67.
- Telegraph-pole and the like. B. Haskell. No. 1,105,777; Aug. 4; Gaz. vol. 205; p. 67.
- Telegraph, Printing-. D. S. Hulfish. No. 1,108,580; Aug. 25; Gaz. vol. 205; p. 1188.
- Telegraph, Printing-. F. R. McBerty. No. 1,107,336; Aug. 18; Gaz. vol. 205; p. 703.
- Telegraph, Printing-. C. E. Scribner and F. R. McBerty. No. 1,107,365; Aug. 18; Gaz. vol. 205; p. 713.
- Telegraph, Printing-. C. J. Wiley. No. 1,116,657; Nov. 10; Gaz. vol. 208; p. 454.
- Telegraph, Printing-. J. E. Wright. No. 1,090,365; Mar. 17; Gaz. vol. 200; p. 670.
- Telegraph-receiver. A. Parodi. No. 1,096,747; May 12; Gaz. vol. 202; p. 570.
- Telegraph-receiver. C. E. Scribner. No. 1,107,366; Aug. 18; Gaz. vol. 205; p. 713.
- Telegraph-receiver. C. E. Scribner. No. 1,107,367; Aug. 18; Gaz. vol. 205; p. 714.
- Telegraph receiver, Printing-. A. F. Dixon. No. 1,103,133; July 14; Gaz. vol. 204; p. 365.
- Telegraph receiver, Printing-. G. S. Hiltz. No. 1,085,124; Jan. 27; Gaz. vol. 198; p. 717.
- Telegraph receiver, Printing-. G. S. Hiltz. No. 1,086,049; Feb. 3; Gaz. vol. 199; p. 168.
- Telegraph receiver, Wireless-. J. G. Balsillie. No. 1,093,240; Apr. 14; Gaz. vol. 201; p. 418.
- Telegraph-repeater. R. T. Davenport. No. 1,111,566; Sept. 22; Gaz. vol. 206; p. 1077.
- Telegraph-repeater. G. L. Rawdon. No. 1,106,001; Aug. 4; Gaz. vol. 205; p. 145.
- Telegraph repeating system. A. T. Jester. No. 1,116,591; Nov. 10; Gaz. vol. 208; p. 429.
- Telegraph system. A. H. Adams and A. F. Dixon. No. 1,108,109; Aug. 18; Gaz. vol. 205; p. 976.
- Telegraph system. I. Kitsee. No. 1,088,708; Mar. 3; Gaz. vol. 200; p. 13.
- Telegraph system. B. F. Thompson. No. 1,106,750; Aug. 11; Gaz. vol. 205; p. 451.
- Telegraph system. C. R. Underhill. No. 1,108,529; Aug. 25; Gaz. vol. 205; p. 1169.
- Telegraph system, Automatic. D. H. Cameron. No. 1,110,376; Sept. 15; Gaz. vol. 206; p. 620.
- Telegraph system, Cable-. I. Kitsee. No. 1,089,479; Mar. 10; Gaz. vol. 200; p. 323.
- Telegraph system, Cable-. I. Kitsee. No. 1,099,380; June 9; Gaz. vol. 203; p. 391.
- Telegraph system, Printing-. A. H. Adams and A. F. Dixon. No. 1,086,695; Feb. 10; Gaz. vol. 199; p. 435.
- Telegraph system, Printing-. C. G. Ashley. No. 1,095,541; May 5; Gaz. vol. 202; p. 127.
- Telegraph system, Printing-. F. H. McBerty and A. H. Adams. No. 1,090,868; Mar. 24; Gaz. vol. 200; p. 874.
- Telegraph system, Printing-. D. Murray. No. 1,114,905; Oct. 27; Gaz. vol. 207; p. 1009.
- Telegraph system, Quadruplex. J. Gott. No. 1,109,830; Sept. 8; Gaz. vol. 206; p. 384.
- Telegraph systems, Direction-indicator for electromechanical-. W. K. Queen and T. F. Pickett. No. 1,091,242; Mar. 24; Gaz. vol. 200; p. 1005.
- Telegraph systems, Keyboard for printing-. J. E. Wright. No. 1,090,366; Mar. 17; Gaz. vol. 200; p. 670.
- Telegraph systems, Printer for printing-. D. Murray. No. 1,114,904; Oct. 27; Gaz. vol. 207; p. 1009.
- Telegraph systems, Series-multiple switch and condenser for wireless-. T. B. Miller. No. 1,114,626; Oct. 20; Gaz. vol. 207; p. 856.
- Telegraph systems, Translator for printing-. J. E. Wright. No. 1,090,367; Mar. 17; Gaz. vol. 200; p. 671.
- Telegraph systems, Translator for printing-. J. E. Wright. No. 1,120,261; Dec. 8; Gaz. vol. 209; p. 506.
- Telegraph systems, Transmitter for printing-. J. E. Wright. No. 1,090,368; Mar. 17; Gaz. vol. 200; p. 671.
- Telegraph-transmitter. R. F. Gale. No. 1,109,411; Sept. 1; Gaz. vol. 206; p. 198.
- Telegraph-transmitter. L. I. Moore. No. 1,098,959; June 2; Gaz. vol. 203; p. 204.
- Telegraph transmitting system. E. Raymond-Barker. No. 1,119,117; Dec. 1; Gaz. vol. 209; p. 76.
- Telegraphs, Retractor for printing-. A. H. Adams. No. 1,098,545; June 2; Gaz. vol. 203; p. 67.
- Telegraphic receiving organism. I. Kitsee. No. 1,092,151; Apr. 7; Gaz. vol. 201; p. 9.
- Telegraphic signals, Automatic transmitter for. H. Bille. No. 1,098,084; May 26; Gaz. vol. 202; p. 1127.
- Telegraphic signals, Transmitting means for. I. Kitsee. No. 1,097,334; May 19; Gaz. vol. 202; p. 821.
- Telegraphic transmitter. P. B. Delany. No. 1,100,357; June 16; Gaz. vol. 203; p. 763.
- Telegraphing, Apparatus for selective wireless. F. G. Sargent. No. 1,102,442; July 7; Gaz. vol. 204; p. 77.
- Telegraphy. P. B. Delany. No. 1,108,147; Aug. 25; Gaz. vol. 205; p. 1036.
- Telegraphy. P. B. Delany. No. 1,108,148; Aug. 25; Gaz. vol. 205; p. 1036.
- Telegraphy. I. Kitsee. No. 1,090,217; Mar. 17; Gaz. vol. 200; p. 619.
- Telegraphy. I. Kitsee. No. 1,093,001; Apr. 14; Gaz. vol. 201; p. 335.
- Telegraphy. I. Kitsee. No. 1,097,131; May 19; Gaz. vol. 202; p. 749.
- Telegraphy. L. M. Potts. No. 1,105,920; Aug. 4; Gaz. vol. 205; p. 116.
- Telegraphy. L. M. Potts. No. 1,105,922; Aug. 4; Gaz. vol. 205; p. 117.
- Telegraphy, Aerial for wireless. E. Girardeau. No. 1,101,175; June 23; Gaz. vol. 203; p. 1099.
- Telegraphy and telephony, Detector for wireless. G. W. Pickard. No. 1,104,073; July 21; Gaz. vol. 204; p. 731.
- Telegraphy and telephony, Receiving apparatus for alternative wireless. J. Schiessler. No. 1,092,294; Apr. 7; Gaz. vol. 201; p. 60.
- Telegraphy, Antenna for wireless. N. J. Jeffries. No. 1,106,945; Aug. 11; Gaz. vol. 205; p. 520.
- Telegraphy, Cable. I. Kitsee. No. 1,095,329; May 5; Gaz. vol. 202; p. 53.
- Telegraphy, Cable. I. Kitsee. No. 1,097,030; May 19; Gaz. vol. 202; p. 713.
- Telegraphy, Cable. I. Kitsee. No. 1,103,421; July 14; Gaz. vol. 204; p. 462.
- Telegraphy, Detector for wireless. R. C. Browne. No. 1,102,184; June 30; Gaz. vol. 203; p. 1501.
- Telegraphy, Duplex. I. Kitsee. No. 1,094,578; Apr. 28; Gaz. vol. 201; p. 968.
- Telegraphy, Duplex wireless. G. Marconi. No. 1,116,309; Nov. 3; Gaz. vol. 208; p. 286.
- Telegraphy, Method of and apparatus for selective wireless. F. G. Sargent. No. 1,091,768; Mar. 31; Gaz. vol. 200; p. 1224.
- Telegraphy, Receiver for wireless. E. Weintraub. No. 1,116,183; Nov. 3; Gaz. vol. 208; p. 244.
- Telegraphy, Spark-gap for wireless. J. Loeffler. No. 1,117,681; Nov. 17; Gaz. vol. 208; p. 853.
- Telegraphy, Wireless. L. De Forest. No. 1,101,533; June 30; Gaz. vol. 203; p. 1273.
- Telegraphy, Wireless. W. C. Woodland. No. 1,114,840; Oct. 27; Gaz. vol. 207; p. 986.
- Telemeter. O. Eppenstein. No. 1,099,432; June 9; Gaz. vol. 203; p. 409.
- Telemeter. O. Eppenstein and F. Eckardt. No. 1,107,503; Aug. 18; Gaz. vol. 205; p. 763.
- Telemeter. R. Stützer. No. 1,085,883; Feb. 3; Gaz. vol. 199; p. 108.
- Telemeter. R. Stützer. No. 1,100,850; June 23; Gaz. vol. 203; p. 985.
- Telemeter, Base-line. P. Beck. No. 1,103,023; July 14; Gaz. vol. 204; p. 326.
- Telemeter, Base-line. H. Jacob. No. 1,108,180; Aug. 25; Gaz. vol. 205; p. 1046.
- Telemeter, Coincidence-. O. Eppenstein. No. 1,117,820; Nov. 17; Gaz. vol. 208; p. 903.
- Telemeter, Horizontal. O. Eppenstein. No. 1,118,337; Nov. 24; Gaz. vol. 208; p. 1120.
- Telemotor. R. S. Riley. No. 1,092,397; Apr. 7; Gaz. vol. 201; p. 94.
- Telephone. L. S. and O. E. Boyce. No. 1,107,024; Aug. 11; Gaz. vol. 205; p. 544.
- Telephone. P. L. Jensen and E. S. Pridham. No. 1,088,283; Feb. 24; Gaz. vol. 199; p. 1083.
- Telephone. E. S. Pridham and P. L. Jensen. No. 1,105,924; Aug. 4; Gaz. vol. 205; p. 118.
- Telephone and other like wires, Apparatus for correcting disturbances on. J. B. Speed. No. 1,114,409; Oct. 20; Gaz. vol. 207; p. 782.

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- Telephone and switchboard cord conductor, Moisture-proofing and moisture-proofed. A. Pruessman. No. 1,120,849; Dec. 15; Gaz. vol. 209; p. 762.
- Telephone apparatus. A. H. Dyson. No. 1,098,372; June 2; Gaz. vol. 203; p. 5.
- Telephone apparatus. O. M. Glunt and E. C. G. Mueller. No. 1,120,049; Dec. 8; Gaz. vol. 209; p. 432.
- Telephone attachment. P. M. Bein. No. 1,121,604; Dec. 22; Gaz. vol. 209; p. 1060.
- Telephone attachment. E. Gransaul. No. 1,084,328; Jan. 13; Gaz. vol. 198; p. 386.
- Telephone attachment. F. E. Miller. No. 1,098,822; June 2; Gaz. vol. 203; p. 157.
- Telephone attachment. W. J. Stuart. No. 1,084,239; Jan. 13; Gaz. vol. 198; p. 357.
- Telephone attachment. C. C. Wright. No. 1,122,347; Dec. 29; Gaz. vol. 209; p. 1357.
- Telephone attachment, Wall-. A. S. Ellsworth. No. 1,118,751; Nov. 24; Gaz. vol. 208; p. 1265.
- Telephone automatic trunk-selecting system. M. Setter. No. 1,104,451; July 21; Gaz. vol. 204; p. 860.
- Telephone-booth door. E. W. Walsh. No. 1,089,449; Mar. 10; Gaz. vol. 200; p. 312.
- Telephone call-bell or ringer. W. Kaisling. No. 1,106,655; Aug. 11; Gaz. vol. 205; p. 419.
- Telephone-call register. W. G. Bell and W. H. Vinto. No. 1,094,968; Apr. 28; Gaz. vol. 201; p. 1107.
- Telephone, Call-registering. F. D. Fader, J. and J. W. Tibb. No. 1,106,501; Aug. 11; Gaz. vol. 205; p. 363.
- Telephone calling device, Automatic. P. Richardt. No. 1,121,400; Dec. 15; Gaz. vol. 209; p. 953.
- Telephone central switching system. E. A. Gray and E. C. Molina. No. 1,102,907; July 7; Gaz. vol. 204; p. 238.
- Telephone-circuit, Train-despatcher's. H. C. Egerton. No. 1,110,913; Sept. 15; Gaz. vol. 206; p. 810.
- Telephone coin-register. W. O. Beck. No. 1,103,650; July 14; Gaz. vol. 204; p. 546.
- Telephone cut-off. R. J. Robison. No. 1,089,673; Mar. 10; Gaz. vol. 200; p. 391.
- Telephone cut-out. J. Anderson, Jr. No. 1,116,667; Nov. 10; Gaz. vol. 208; p. 457.
- Telephone, Desk-. N. Pedersen. No. 1,097,359; May 19; Gaz. vol. 202; p. 829.
- Telephone desk set. H. L. Knight and B. W. Sweet. No. 1,083,406; Jan. 6; Gaz. vol. 198; p. 50.
- Telephone device for calling cabs, porters, and the like. A. Hinzpeter. No. 1,084,012; Jan. 13; Gaz. vol. 198; p. 279.
- Telephone-disinfecting device. R. B. and L. Adams, C. H. Wells, and H. G. Payne. No. 1,095,950; May 5; Gaz. vol. 202; p. 263.
- Telephone equipment. W. M. Haralson and J. F. Pilkington. No. 1,100,480; June 16; Gaz. vol. 203; p. 806.
- Telephone-exchange apparatus, Automatic. F. R. McBerty. No. 1,117,212; Nov. 17; Gaz. vol. 208; p. 687.
- Telephone-exchange, Automatic. F. N. Reeves and A. E. Lundell. No. 1,121,668; Dec. 22; Gaz. vol. 209; p. 1082.
- Telephone-exchange calling device. C. A. Anderson. No. 1,095,539; May 5; Gaz. vol. 202; p. 126.
- Telephone-exchange selector, Automatic. F. R. McBerty. No. 1,097,868; May 26; Gaz. vol. 202; p. 1050.
- Telephone-exchange system. R. M. Beard. No. 1,117,156; Nov. 17; Gaz. vol. 208; p. 665.
- Telephone-exchange system. E. E. Clement. No. 1,091,193; Mar. 24; Gaz. vol. 200; p. 987.
- Telephone-exchange system. E. E. Clement. (Reissue.) No. 1,3776; July 21; Gaz. vol. 204; p. 969.
- Telephone-exchange system. E. E. Clement. No. 1,105,490; July 28; Gaz. vol. 204; p. 1273.
- Telephone-exchange system. E. E. Clement. No. 1,105,492; July 28; Gaz. vol. 204; p. 1274.
- Telephone-exchange system. E. E. Clement. No. 1,105,545; July 28; Gaz. vol. 204; p. 1292.
- Telephone-exchange system. E. E. Clement. No. 1,105,589; July 28; Gaz. vol. 204; p. 1307.
- Telephone-exchange system. E. E. Clement. No. 1,107,133; Aug. 11; Gaz. vol. 205; p. 581.
- Telephone-exchange system. E. E. Clement. No. 1,107,134; Aug. 11; Gaz. vol. 205; p. 582.
- Telephone-exchange system. E. E. Clement. No. 1,107,136; Aug. 11; Gaz. vol. 205; p. 583.
- Telephone-exchange system. E. E. Clement. No. 1,107,137; Aug. 11; Gaz. vol. 205; p. 583.
- Telephone-exchange system. E. E. Clement. No. 1,107,139; Aug. 11; Gaz. vol. 205; p. 584.
- Telephone-exchange system. E. E. Clement. No. 1,107,140; Aug. 11; Gaz. vol. 205; p. 585.
- Telephone-exchange system. E. E. Clement. No. 1,107,141; Aug. 11; Gaz. vol. 205; p. 585.
- Telephone-exchange system. E. E. Clement. No. 1,107,142; Aug. 11; Gaz. vol. 205; p. 586.
- Telephone-exchange system. E. E. Clement. No. 1,107,143; Aug. 11; Gaz. vol. 205; p. 586.
- Telephone-exchange system. E. E. Clement. No. 1,107,145; Aug. 11; Gaz. vol. 205; p. 587.
- Telephone-exchange system. E. E. Clement. No. 1,107,146; Aug. 11; Gaz. vol. 205; p. 588.
- Telephone-exchange system. E. E. Clement. No. 1,107,147; Aug. 11; Gaz. vol. 205; p. 588.
- Telephone-exchange system. E. E. Clement. No. 1,107,148; Aug. 11; Gaz. vol. 205; p. 589.
- Telephone-exchange system. E. E. Clement. No. 1,107,150; Aug. 11; Gaz. vol. 205; p. 590.
- Telephone-exchange system. E. E. Clement. No. 1,107,151; Aug. 11; Gaz. vol. 205; p. 590.
- Telephone-exchange system. E. E. Clement. No. 1,107,152; Aug. 11; Gaz. vol. 205; p. 591.
- Telephone-exchange system. E. E. Clement. No. 1,107,154; Aug. 11; Gaz. vol. 205; p. 592.
- Telephone-exchange system. E. E. Clement. No. 1,107,155; Aug. 11; Gaz. vol. 205; p. 592.
- Telephone-exchange system. E. E. Clement. No. 1,107,157; Aug. 11; Gaz. vol. 205; p. 593.
- Telephone-exchange system. E. E. Clement. No. 1,109,511; Sept. 1; Gaz. vol. 206; p. 229.
- Telephone-exchange system. E. E. Clement. No. 1,109,615; Sept. 1; Gaz. vol. 206; p. 265.
- Telephone-exchange system. E. E. Clement. No. 1,109,617; Sept. 1; Gaz. vol. 206; p. 267.
- Telephone-exchange system. E. E. Clement. No. 1,109,618; Sept. 1; Gaz. vol. 206; p. 267.
- Telephone-exchange system. E. E. Clement. No. 1,109,619; Sept. 1; Gaz. vol. 206; p. 268.
- Telephone-exchange system. E. E. Clement. No. 1,109,620; Sept. 1; Gaz. vol. 206; p. 268.
- Telephone-exchange system. E. R. Corwin. No. 1,109,163; Sept. 1; Gaz. vol. 206; p. 108.
- Telephone-exchange system. E. R. Corwin. No. 1,109,164; Sept. 1; Gaz. vol. 206; p. 109.
- Telephone-exchange system. M. L. Johnson. No. 1,109,165; Sept. 1; Gaz. vol. 206; p. 109.
- Telephone-exchange system. M. L. Johnson. No. 1,116,538; Nov. 10; Gaz. vol. 208; p. 408.
- Telephone-exchange system. M. L. Johnson. No. 1,116,539; Nov. 10; Gaz. vol. 208; p. 409.
- Telephone-exchange system. M. L. Johnson. No. 1,116,540; Nov. 10; Gaz. vol. 208; p. 409.
- Telephone-exchange system. M. L. Johnson. No. 1,116,541; Nov. 10; Gaz. vol. 208; p. 410.
- Telephone-exchange system. J. W. Lattig and C. L. Goodrum. (Reissue.) No. 13,742; June 2; Gaz. vol. 203; p. 266.
- Telephone-exchange system. T. G. Martin. No. 1,109,650; Sept. 1; Gaz. vol. 206; p. 279.
- Telephone-exchange system. F. R. McBerty. No. 1,108,383; Aug. 25; Gaz. vol. 205; p. 1119.
- Telephone-exchange system. F. R. McBerty. No. 1,109,686; Sept. 8; Gaz. vol. 206; p. 334.
- Telephone-exchange system. F. N. Reeves. No. 1,109,703; Sept. 8; Gaz. vol. 206; p. 341.
- Telephone-exchange system. H. G. Webster. (Reissue.) No. 13,710; Mar. 31; Gaz. vol. 200; p. 1352.
- Telephone-exchange system. J. L. Wright. No. 1,117,297; Nov. 17; Gaz. vol. 208; p. 718.
- Telephone-exchange system and apparatus. E. E. Clement. No. 1,107,135; Aug. 11; Gaz. vol. 205; p. 582.
- Telephone-exchange system and apparatus. S. B. Williams. No. 1,097,204; May 19; Gaz. vol. 202; p. 774.
- Telephone-exchange system, Automatic. W. R. Binkley. No. 1,093,525; Apr. 14; Gaz. vol. 201; p. 511.
- Telephone-exchange system, Automatic. E. E. Clement. No. 1,107,138; Aug. 11; Gaz. vol. 205; p. 584.
- Telephone-exchange system, Automatic. E. B. Craft. No. 1,101,684; June 30; Gaz. vol. 203; p. 1325.
- Telephone-exchange system, Automatic. G. Grabe. No. 1,109,216; Sept. 1; Gaz. vol. 206; p. 128.
- Telephone-exchange system, Automatic. F. N. Reeves and A. E. Lundell. No. 1,115,739; Nov. 3; Gaz. vol. 208; p. 92.
- Telephone-exchange system, Automatic. F. Schoenwolf. No. 1,110,460; Sept. 15; Gaz. vol. 206; p. 651.
- Telephone-exchange system, Coin-controlled automatic. W. W. Leach. No. 1,108,194; Aug. 25; Gaz. vol. 205; p. 1052.
- Telephone-exchange systems, Service-meter circuit for. S. B. Williams, Jr. No. 1,119,915; Dec. 8; Gaz. vol. 209; p. 384.
- Telephone-exchanges, Call-recording system for. E. E. Clement. No. 1,089,394; Mar. 10; Gaz. vol. 200; p. 291.
- Telephone-exchanges, Electrical signaling system for. E. E. Clement. No. 1,109,616; Sept. 1; Gaz. vol. 206; p. 266.
- Telephone-exchanges, Selector-switch for automatic. F. R. McBerty. No. 1,097,867; May 26; Gaz. vol. 202; p. 1049.
- Telephone-exchanges, Wiring system for. F. R. McBerty. No. 1,104,062; July 21; Gaz. vol. 204; p. 727.
- Telephone-indicator. H. Christensen. No. 1,102,719; July 7; Gaz. vol. 204; p. 173.
- Telephone-lighting system. J. A. Boze. No. 1,113,537; Oct. 13; Gaz. vol. 207; p. 437.
- Telephone-locking device. J. W. Harvey. No. 1,090,053; Mar. 10; Gaz. vol. 200; p. 521.
- Telephone metering system. E. Thomson. No. 1,121,953; Dec. 22; Gaz. vol. 209; p. 1183.
- Telephone-mouthpiece, Antiseptic. I. S. Rosenblatt. No. 1,115,868; Nov. 3; Gaz. vol. 208; p. 136.

Alphabetical list of inventions—Continued.

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- Telephone-mouthpiece protector. C. Russell. No. 1,091,965; Mar. 31; Gaz. vol. 200; p. 1293.
- Telephone-mouthpiece with antiseptic attachment. T. Duquette, Sr. No. 1,083,671; Jan. 6; Gaz. vol. 198; p. 136.
- Telephone-mouthpieces, Antiseptic holder for. J. G. O'Donnell. No. 1,112,469; Oct. 6; Gaz. vol. 207; p. 19.
- Telephone-operator's equipment. W. G. Blauvelt and E. C. Molina. No. 1,104,956; July 28; Gaz. vol. 204; p. 1085.
- Telephone party-lines, Testing system for. C. C. Bradbury. No. 1,100,116; June 16; Gaz. vol. 203; p. 679.
- Telephone pay-station. G. A. Long. No. 1,101,130; June 23; Gaz. vol. 203; p. 1084.
- Telephone pay-station, Coin-controlled. G. A. Long. No. 1,094,000; Apr. 21; Gaz. vol. 201; p. 714.
- Telephone-receiver. G. N. Blanchard and O. G. Minzenmayer. No. 1,104,610; July 21; Gaz. vol. 204; p. 917.
- Telephone-receiver. S. G. Brown. No. 1,096,676; May 12; Gaz. vol. 202; p. 546.
- Telephone-receiver. W. H. Cotton. No. 1,115,053; Oct. 27; Gaz. vol. 207; p. 1062.
- Telephone-receiver. A. Plecher. No. 1,110,228; Sept. 8; Gaz. vol. 206; p. 527.
- Telephone-receiver. A. Rosenberg. No. 1,096,127; May 12; Gaz. vol. 202; p. 360.
- Telephone-receiver. J. L. Spence. No. 1,112,392; Sept. 29; Gaz. vol. 206; p. 1401.
- Telephone-receiver holder. S. Dusak. No. 1,092,637; Apr. 7; Gaz. vol. 201; p. 178.
- Telephone-receiver-holding device. K. H. Atherton and M. N. Rodgers. No. 1,096,484; May 12; Gaz. vol. 202; p. 482.
- Telephone receiver, Loud-speaking. C. Adams-Randall. No. 1,083,788; Jan. 6; Gaz. vol. 198; p. 174.
- Telephone-receiver support. H. W. Münch. No. 1,119,366; Dec. 1; Gaz. vol. 209; p. 161.
- Telephone-receivers, Case and cap for. L. Steinberger. No. 1,093,951; Apr. 21; Gaz. vol. 201; p. 697.
- Telephone-receivers, Head-support for. C. Adams-Randall. No. 1,087,704; Feb. 17; Gaz. vol. 199; p. 837.
- Telephone receiving instrument. T. B. Miller. No. 1,114,902; Oct. 27; Gaz. vol. 207; p. 1008.
- Telephone registering system. E. E. Clement. No. 1,107,156; Aug. 11; Gaz. vol. 205; p. 593.
- Telephone-relay. C. Stille. No. 1,099,406; June 9; Gaz. vol. 203; p. 400.
- Telephone-relay. H. G. Webster. No. 1,119,131; Dec. 1; Gaz. vol. 209; p. 81.
- Telephone release-insuring means. T. G. Martin. No. 1,115,324; Oct. 27; Gaz. vol. 207; p. 1156.
- Telephone repeating device. D. H. Wilson. No. 1,097,960; May 26; Gaz. vol. 202; p. 1085.
- Telephone set. P. L. Jensen and E. S. Pridham. No. 1,099,550; June 9; Gaz. vol. 203; p. 449.
- Telephone set. R. H. Manson. No. 1,086,832; Feb. 10; Gaz. vol. 199; p. 483.
- Telephone set, Moisture-proof. C. E. Hague. No. 1,108,166; Aug. 25; Gaz. vol. 205; p. 1042.
- Telephone shelf or stand, Knockdown. W. A. Noble and A. L. Phillips. No. 1,097,258; May 19; Gaz. vol. 202; p. 794.
- Telephone signal and recorder. F. J. McGowen. No. 1,102,421; July 7; Gaz. vol. 204; p. 71.
- Telephone signal system. J. Meyerhoff. No. 1,093,794; Apr. 21; Gaz. vol. 201; p. 644.
- Telephone signaling apparatus. D. D. Wright. No. 1,108,305; Aug. 25; Gaz. vol. 205; p. 1093.
- Telephone signaling for railways. M. Lutenberger. No. 1,085,621; Feb. 3; Gaz. vol. 199; p. 15.
- Telephone signaling system. F. R. Parker. No. 1,103,909; July 14; Gaz. vol. 204; p. 633.
- Telephone-stand. J. W. Rodas. No. 1,084,966; Jan. 20; Gaz. vol. 198; p. 627.
- Telephone-stand attachment. L. E. Wright. No. 1,114,842; Oct. 27; Gaz. vol. 207; p. 986.
- Telephone-standards, Hand-grip for. J. Harrison. No. 1,122,593; Dec. 29; Gaz. vol. 209; p. 1441.
- Telephone-support. R. M. Allen. No. 1,088,669; Feb. 24; Gaz. vol. 199; p. 1209.
- Telephone-support. C. J. Landin. No. 1,119,782; Dec. 1; Gaz. vol. 209; p. 301.
- Telephone-support. K. B. Miller. No. 1,087,808; Feb. 17; Gaz. vol. 199; p. 872.
- Telephone-support. K. B. Miller and C. G. Ashley. No. 1,087,807; Feb. 17; Gaz. vol. 199; p. 871.
- Telephone-switches, Control system for automatic. F. R. McBerty. No. 1,100,385; June 16; Gaz. vol. 203; p. 773.
- Telephone switching apparatus. G. Swope. No. 1,086,869; Feb. 10; Gaz. vol. 199; p. 497.
- Telephone switching system. W. Aitken. No. 1,110,027; Sept. 8; Gaz. vol. 206; p. 455.
- Telephone switching systems, Controlling apparatus for. E. C. Molina. No. 1,114,174; Oct. 20; Gaz. vol. 207; p. 699.
- Telephone system. E. F. W. Alexanderson. No. 1,102,628; July 7; Gaz. vol. 204; p. 143.
- Telephone system. C. A. Bals. No. 1,105,348; July 28; Gaz. vol. 204; p. 1223.
- Telephone system. J. G. Blessing. No. 1,119,394; Dec. 1; Gaz. vol. 209; p. 171.
- Telephone system. H. P. Clausen. No. 1,088,879; Mar. 3; Gaz. vol. 200; p. 70.
- Telephone system. E. E. Clement. No. 1,107,144; Aug. 11; Gaz. vol. 205; p. 587.
- Telephone system. O. Coleman. No. 1,109,111; Sept. 1; Gaz. vol. 206; p. 90.
- Telephone system. E. R. Corwin. No. 1,035,974; Feb. 3; Gaz. vol. 199; p. 141.
- Telephone system. E. R. Corwin. No. 1,105,344; July 28; Gaz. vol. 204; p. 1221.
- Telephone system. W. W. Dean. No. 1,120,605; Dec. 8; Gaz. vol. 209; p. 629.
- Telephone system. A. H. Dyson. No. 1,097,307; May 19; Gaz. vol. 202; p. 811.
- Telephone system. W. A. Fricke. No. 1,088,270; Feb. 24; Gaz. vol. 199; p. 1079.
- Telephone system. J. Harrison. No. 1,121,356; Dec. 15; Gaz. vol. 209; p. 938.
- Telephone system. D. S. Hulfish. No. 1,112,140; Sept. 29; Gaz. vol. 206; p. 1311.
- Telephone system. B. G. Jamieson. No. 1,096,108; May 12; Gaz. vol. 202; p. 354.
- Telephone system. B. G. Jamieson. No. 1,119,083; Dec. 1; Gaz. vol. 209; p. 64.
- Telephone system. E. Land and F. L. Fisher. No. 1,117,407; Nov. 17; Gaz. vol. 208; p. 756.
- Telephone system. P. Lavery and W. E. Bandlow. No. 1,085,615; Feb. 3; Gaz. vol. 199; p. 12.
- Telephone system. F. A. Lundquist. No. 1,110,634; Sept. 15; Gaz. vol. 206; p. 711.
- Telephone system. F. R. Parker. No. 1,090,821; Mar. 17; Gaz. vol. 200; p. 825.
- Telephone system. F. R. Parker. No. 1,115,969; Nov. 3; Gaz. vol. 208; p. 172.
- Telephone system. F. R. Parker and E. R. Corwin. No. 1,095,666; May 5; Gaz. vol. 202; p. 168.
- Telephone system. C. A. Simpson. No. 1,107,371; Aug. 18; Gaz. vol. 205; p. 715.
- Telephone system. F. E. Summers. No. 1,106,592; Aug. 11; Gaz. vol. 205; p. 397.
- Telephone system. A. R. Tucker. No. 1,100,856; June 23; Gaz. vol. 203; p. 987.
- Telephone system. C. S. Winston. No. 1,108,482; Aug. 25; Gaz. vol. 205; p. 1153.
- Telephone system. C. S. Winston. No. 1,111,876; Sept. 29; Gaz. vol. 206; p. 1225.
- Telephone system. C. S. Winston. No. 1,113,395; Oct. 13; Gaz. vol. 207; p. 386.
- Telephone system. F. M. Wolf and R. M. Austin. No. 1,084,189; Jan. 13; Gaz. vol. 198; p. 340.
- Telephone system, Automatic. B. G. Dunham. No. 1,103,572; July 14; Gaz. vol. 204; p. 516.
- Telephone system, Automatic. A. H. Dyson. No. 1,110,613; Sept. 15; Gaz. vol. 206; p. 704.
- Telephone system, Automatic. A. H. Dyson. No. 1,118,910; Nov. 24; Gaz. vol. 208; p. 1318.
- Telephone system, Automatic. D. S. Hulfish. No. 1,118,490; Nov. 24; Gaz. vol. 208; p. 1177.
- Telephone system, Automatic. A. E. Keith, J. and C. J. Erickson. No. 1,101,853; June 30; Gaz. vol. 203; p. 1383.
- Telephone system for trains. H. E. Barber and J. W. McFarland. No. 1,104,605; July 21; Gaz. vol. 204; p. 915.
- Telephone system, Intercommunicating. S. A. Koltonski. No. 1,097,760; May 26; Gaz. vol. 202; p. 1012.
- Telephone system, Loud-speaking. J. J. Comer. No. 1,084,070; Jan. 13; Gaz. vol. 198; p. 298.
- Telephone system, Non-interfering extension or party-line. L. Keller. No. 1,113,649; Oct. 13; Gaz. vol. 207; p. 474.
- Telephone system, Party-line. A. G. Cerda. No. 1,093,034; Apr. 14; Gaz. vol. 201; p. 346.
- Telephone system, Party-line. W. W. Dean. No. 1,120,606; Dec. 8; Gaz. vol. 209; p. 629.
- Telephone system, Party-line. C. J. Erickson. No. 1,093,041; Apr. 14; Gaz. vol. 201; p. 349.
- Telephone-system receiver. J. Erickson. No. 1,118,926; Dec. 1; Gaz. vol. 209; p. 7.
- Telephone-system selector, Automatic. F. R. McBerty. No. 1,097,927; May 26; Gaz. vol. 202; p. 1072.
- Telephone system, Semi-automatic. A. H. Weiss. No. 1,117,290; Nov. 17; Gaz. vol. 208; p. 715.
- Telephone system, Two-party. H. F. Joeckel. No. 1,111,024; Sept. 22; Gaz. vol. 206; p. 891.
- Telephone system with automatic ringing. R. I. Utter. No. 1,112,497; Oct. 6; Gaz. vol. 207; p. 29.
- Telephone systems, Apparatus for metering conversations in automatic. G. Grabe. No. 1,107,290; Aug. 18; Gaz. vol. 205; p. 686.
- Telephone systems, Automatic switch for. A. H. Dyson. No. 1,103,040; July 14; Gaz. vol. 204; p. 331.
- Telephone systems, Automatic toll-recorder for. E. G. Godfree. No. 1,111,742; Sept. 29; Gaz. vol. 206; p. 1173.
- Telephone systems, Fire-alarm signal-box for automatic. J. Erickson. No. 1,089,404; Mar. 10; Gaz. vol. 200; p. 295.

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- Telephone-table instrument. G. B. H. Meyer. No. 1,119,301; Dec. 1; Gaz. vol. 209; p. 137.
- Telephone-testing system. E. A. Mellinger. No. 1,113,937; Oct. 13; Gaz. vol. 207; p. 575.
- Telephone-testing system, Automatic. W. L. Campbell. No. 1,109,960; Sept. 8; Gaz. vol. 206; p. 431.
- Telephone-timekeeper. C. L. Braucher and E. R. Johnson. No. 1,083,915; Jan. 13; Gaz. vol. 198; p. 245.
- Telephone-timekeeper. C. L. Braucher and E. R. Johnson. No. 1,113,538; Oct. 13; Gaz. vol. 207; p. 438.
- Telephone toll-collecting apparatus, Emergency signaling system for. J. J. O'Connell. No. 1,103,073; July 14; Gaz. vol. 204; p. 343.
- Telephone toll device and circuit therefor. J. L. McQuarrie. No. 1,117,215; Nov. 17; Gaz. vol. 208; p. 688.
- Telephone-toll-line system. F. A. Lundquist. No. 1,121,739; Dec. 22; Gaz. vol. 209; p. 1108.
- Telephone transmission-circuits. H. C. Egerton. No. 1,089,825; Mar. 10; Gaz. vol. 200; p. 443.
- Telephone-transmitter. L. and H. L. Bradley. No. 1,107,255; Aug. 18; Gaz. vol. 205; p. 675.
- Telephone-transmitter. S. G. Brown. No. 1,096,677; May 12; Gaz. vol. 202; p. 546.
- Telephone-transmitter. E. B. Craft. No. 1,096,153; May 12; Gaz. vol. 202; p. 369.
- Telephone-transmitter. A. D. Jones. No. 1,118,780; Nov. 24; Gaz. vol. 208; p. 1274.
- Telephone-transmitter. F. R. McBerty. No. 1,102,600; July 7; Gaz. vol. 204; p. 133.
- Telephone-transmitter. J. Redding. No. 1,095,354; May 5; Gaz. vol. 202; p. 62.
- Telephone-transmitter. J. L. Spence. No. 1,112,167; Sept. 29; Gaz. vol. 206; p. 1321.
- Telephone-transmitter cut-out. A. R. Langdon. No. 1,096,434; May 12; Gaz. vol. 202; p. 465.
- Telephone-transmitter-mouthpiece attachment. P. C. Burns. No. 1,109,037; Sept. 1; Gaz. vol. 206; p. 65.
- Telephone-transmitters, Protector for. H. Van Hoevenberg. No. 1,083,569; Jan. 6; Gaz. vol. 198; p. 103.
- Telephone trunking system. C. S. Winston. No. 1,113,274; Oct. 13; Gaz. vol. 207; p. 343.
- Telephones and the like, Electrical connection for. J. A. Douglas. No. 1,086,147; Feb. 3; Gaz. vol. 199; p. 202.
- Telephones, Carriage attachment for desk. H. K. McKinney. No. 1,085,693; Feb. 3; Gaz. vol. 199; p. 40.
- Telephones, Coin-collector for. A. E. Case. No. 1,110,669; Sept. 15; Gaz. vol. 206; p. 725.
- Telephones, Coin-controlled pay-station for. A. B. Flagg and W. H. Livermore. No. 1,112,370; Sept. 29; Gaz. vol. 206; p. 1393.
- Telephones, Coin-controlled pay-station for. A. B. Flagg and W. H. Livermore. No. 1,113,321; Oct. 13; Gaz. vol. 207; p. 360.
- Telephones, Conductor-wire-reeling mechanism for. C. W. Ferguson. No. 1,116,402; Nov. 10; Gaz. vol. 208; p. 359.
- Telephones, Loud-speaking attachment for. H. W. Prance. No. 1,084,822; Jan. 20; Gaz. vol. 198; p. 580.
- Telephones, Microphone attachment for. H. W. Christensen. No. 1,110,420; Sept. 15; Gaz. vol. 206; p. 636.
- Telephones, Signaling device for party-line. T. Kernan. No. 1,090,627; Mar. 17; Gaz. vol. 200; p. 763.
- Telephonic and telegraphic apparatus. J. Schiessler. No. 1,109,472; Sept. 1; Gaz. vol. 206; p. 217.
- Telephonic and telegraphic purposes, Sound-magnifying appliance for. H. Smith. No. 1,113,499; Oct. 13; Gaz. vol. 207; p. 424.
- Telephonic apparatus. E. E. Clement. No. 1,109,621; Sept. 1; Gaz. vol. 206; p. 268.
- Telephonic apparatus and system. E. E. Clement. No. 1,109,622; Sept. 1; Gaz. vol. 206; p. 269.
- Telephonic apparatus, Cover for. G. H. Nash. No. 1,084,657; Jan. 20; Gaz. vol. 198; p. 521.
- Telephonic apparatus, Intercommunicating. M. R. Hutchison. No. 1,085,916; Feb. 3; Gaz. vol. 199; p. 119.
- Telephonic instrument. G. R. Preusse. No. 1,118,230; Nov. 24; Gaz. vol. 208; p. 1082.
- Telephonic receiver. A. Marr. No. 1,087,127; Feb. 17; Gaz. vol. 199; p. 634.
- Telephonic receiver. A. Marr. No. 1,087,128; Feb. 17; Gaz. vol. 199; p. 634.
- Telephonic transmitter. J. J. Comer. No. 1,105,066; July 28; Gaz. vol. 204; p. 1123.
- Telephony. C. A. Bals. No. 1,105,564; July 28; Gaz. vol. 204; p. 1298.
- Telephony. E. R. Corwin. No. 1,105,345; July 28; Gaz. vol. 204; p. 1221.
- Telephony. M. L. Johnson. No. 1,105,346; July 28; Gaz. vol. 204; p. 1222.
- Telephony. M. L. Johnson. No. 1,105,347; July 28; Gaz. vol. 204; p. 1222.
- Telephony. M. L. Johnson. No. 1,105,563; July 28; Gaz. vol. 204; p. 1298.
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- Telephony. M. L. Johnson. No. 1,109,167; Sept. 1; Gaz. vol. 206; p. 111.
- Telephony. M. L. Johnson. No. 1,116,542; Nov. 10; Gaz. vol. 208; p. 410.
- Telephony. M. L. Johnson. No. 1,119,355; Dec. 1; Gaz. vol. 209; p. 157.
- Telephony and telegraphy for mining-cages. J. H. Reineke. No. 1,098,528; June 2; Gaz. vol. 203; p. 60.
- Telephony, Transmitter for wireless. W. T. Ditcham. No. 1,088,686; Mar. 3; Gaz. vol. 200; p. 6.
- Telescope for guns, Panoramic sighting. H. Korrodi. No. 1,089,480; Mar. 10; Gaz. vol. 200; p. 324.
- Telescope, Lookout. A. König. No. 1,097,646; May 26; Gaz. vol. 202; p. 971.
- Telescope mount, Astronomical. B. M. Lupton, Jr. No. 1,118,564; Nov. 24; Gaz. vol. 208; p. 1202.
- Telescope-mounting, Rifle. A. L. Lowe. No. 1,083,288; Jan. 6; Gaz. vol. 198; p. 10.
- Telescope, Multifocal. F. B. Warner. No. 1,088,494; Feb. 24; Gaz. vol. 199; p. 1152.
- Telescope of unvariable length and progressively variable magnification. H. Jacob. No. 1,116,069; Nov. 3; Gaz. vol. 208; p. 206.
- Telescope, Sighting. F. J. Cleary. No. 1,086,140; Feb. 3; Gaz. vol. 199; p. 200.
- Telescope, Variable-power. A. König. No. 1,094,724; Apr. 28; Gaz. vol. 201; p. 1023.
- Telescope with variable magnification. J. Humbrecht. No. 1,091,933; Mar. 31; Gaz. vol. 200; p. 1282.
- Telescope with variable magnification. J. Humbrecht. No. 1,097,635; May 26; Gaz. vol. 202; p. 967.
- Telescopes, Adjusting device for. T. A. Fidjeland. No. 1,086,037; Feb. 3; Gaz. vol. 199; p. 164.
- Telescopes, Cross-line-adjusting means for sighting. F. J. Cleary. No. 1,086,141; Feb. 3; Gaz. vol. 199; p. 200.
- Telescopes, Cross-wire frame for firearm sighting. T. A. Fidjeland. No. 1,088,137; Feb. 24; Gaz. vol. 199; p. 1033.
- Telescopic box. H. V. Martin. No. 1,099,808; June 9; Gaz. vol. 203; p. 536.
- Telescopic post for stands and similar articles. J. H. Astruck. No. 1,103,246; July 14; Gaz. vol. 204; p. 405.
- Telescopic sight. W. V. Hukill. No. 1,085,048; Jan. 20; Gaz. vol. 198; p. 655.
- Telescoping gate. W. F. Snohr. No. 1,115,605; Nov. 3; Gaz. vol. 208; p. 47.
- Telescoping members, Lock for. G. C. Schoenborn. No. 1,094,169; Apr. 21; Gaz. vol. 201; p. 771.
- Tellurian. R. J. App. No. 1,093,024; Apr. 14; Gaz. vol. 201; p. 342.
- Tellurian. H. L. Bretsch. No. 1,099,014; June 2; Gaz. vol. 203; p. 222.
- Temperature-alarm apparatus. H. R. Shirley. No. 1,110,580; Sept. 15; Gaz. vol. 206; p. 691.
- Temperature-indicating device. M. S. Clawson. No. 1,094,530; Apr. 28; Gaz. vol. 201; p. 950.
- Temperature-indicator. E. R. Murray. No. 1,097,348; May 19; Gaz. vol. 202; p. 826.
- Temperature-indicator. M. C. Rypinski. No. 1,108,934; Sept. 1; Gaz. vol. 206; p. 27.
- Temperature of articles, Apparatus for raising the. C. Goodwin. No. 1,121,723; Dec. 22; Gaz. vol. 209; p. 1103.
- Temperature-recording device. C. L. Brown. No. 1,115,496; Nov. 3; Gaz. vol. 208; p. 10.
- Temperature-regulating device, Thermostatic. J. R. Relnecke, E. C. Weber, and E. A. Krah, Jr. No. 1,087,908; Feb. 17; Gaz. vol. 199; p. 905.
- Temperature-regulator. C. R. Burlew. No. 1,118,328; Nov. 24; Gaz. vol. 208; p. 1117.
- Temperature-regulator. R. A. Crew. No. 1,107,761; Aug. 18; Gaz. vol. 205; p. 855.
- Temperature-regulator. W. B. Dahl. No. 1,096,004; May 5; Gaz. vol. 202; p. 281.
- Temperature-regulator. W. B. Dahl. No. 1,097,005; May 19; Gaz. vol. 202; p. 703.
- Temperature-regulator. W. S. Hadaway, Jr. No. 1,093,126; Apr. 14; Gaz. vol. 201; p. 379.
- Temperature-regulator. F. A. Kuntz. No. 1,104,680; July 21; Gaz. vol. 204; p. 940.
- Temperature-regulator. W. D. Luce. No. 1,113,363; Oct. 13; Gaz. vol. 207; p. 374.
- Tempering. A. M. Chase. No. 1,091,120; Mar. 24; Gaz. vol. 200; p. 962.
- Temple. C. E. Owens. No. 1,103,074; July 14; Gaz. vol. 204; p. 343.
- Templet, Adjustable crown. T. K. Legaré. No. 1,093,867; Apr. 21; Gaz. vol. 201; p. 669.
- Templet, Lettering. H. W. McAll. No. 1,105,810; Aug. 4; Gaz. vol. 205; p. 79.
- Tempo-regulator. H. Koch. No. 1,087,668; Feb. 17; Gaz. vol. 199; p. 826.
- Tennis or like ball. J. Gordon. No. 1,097,973; May 26; Gaz. vol. 202; p. 1090.
- Tennis-racket. J. J. Curley. No. 1,094,705; Apr. 28; Gaz. vol. 201; p. 1015.
- Tennis-racket. W. H. Johnson. No. 1,100,244; June 16; Gaz. vol. 203; p. 724.
- Tennis-racket case or cover. A. J. Brauer. No. 1,091,280; Mar. 24; Gaz. vol. 200; p. 1016.
- Tenon-cutter. M. Bohlrig. No. 1,107,483; Aug. 18; Gaz. vol. 205; p. 757.

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- Tenoning-machine. O. Millette. No. 1,097,763; May 26; Gaz. vol. 202; p. 1013.
- Tenpin. E. G. Willson. No. 1,088,315; Feb. 24; Gaz. vol. 199; p. 1093.
- Tenpin-setter. J. C. McFarland. No. 1,122,622; Dec. 29; Gaz. vol. 209; p. 1451.
- Tension device and automatic take-up. C. Parent. No. 1,113,243; Oct. 13; Gaz. vol. 207; p. 332.
- Tension-regulator. J. Good. No. 1,109,580; Sept. 1; Gaz. vol. 206; p. 253.
- Tensioning device. W. C. Tyler and E. Nall. No. 1,100,039; June 16; Gaz. vol. 203; p. 652.
- Tensioning-frame for fabric to be embroidered and the like. A. Jucker and T. Hempel. No. 1,093,136; Apr. 14; Gaz. vol. 201; p. 383.
- Tensioning mechanism. J. P. Weis. No. 1,118,710; Nov. 24; Gaz. vol. 208; p. 1252.
- Tent. A. W. Barnard. No. 1,089,103; Mar. 3; Gaz. vol. 200; p. 147.
- Tent. W. R. Faribault. No. 1,095,272; May 5; Gaz. vol. 202; p. 33.
- Tent, hammock, and sleeping-bag, Combined. E. P. Jones. No. 1,116,074; Nov. 3; Gaz. vol. 208; p. 208.
- Tent, House. J. F. Lockwood. No. 1,100,189; June 16; Gaz. vol. 203; p. 705.
- Tent-ropes or the like, Means for adjusting. P. B. Tod. No. 1,083,958; Jan. 13; Gaz. vol. 198; p. 259.
- Tent-support. D. W. House. No. 1,113,898; Oct. 13; Gaz. vol. 207; p. 562.
- Tent-support. R. A. McDonald. No. 1,090,738; Mar. 17; Gaz. vol. 200; p. 797.
- Tent-support. H. O. Wellman. No. 1,089,803; Mar. 10; Gaz. vol. 200; p. 434.
- Tenter-clip. M. P. Hayward. No. 1,119,824; Dec. 8; Gaz. vol. 209; p. 353.
- Tentering-machine. J. J. Hoey. No. 1,098,152; May 26; Gaz. vol. 202; p. 1150.
- Terminal and hook, Detachable strap. C. L. Depollier. No. 1,090,694; Mar. 17; Gaz. vol. 200; p. 784.
- Terminal connector. C. W. Beck. No. 1,114,719; Oct. 27; Gaz. vol. 207; p. 942.
- Terminal construction. A. L. Drum. No. 1,084,849; Jan. 20; Gaz. vol. 198; p. 589.
- Terminal device. W. G. Housekeeper. No. 1,099,090; June 2; Gaz. vol. 203; p. 245.
- Terpene peroxid, Producing. A. S. Ramage. No. 1,098,356; May 26; Gaz. vol. 202; p. 1221.
- Terret. C. H. Kleven. No. 1,100,576; June 16; Gaz. vol. 203; p. 837.
- Terret-ring attachment. L. N. Knudson. No. 1,097,805; May 26; Gaz. vol. 202; p. 1029.
- Testing apparatus. T. S. K. Hawxhurst. No. 1,096,911; May 19; Gaz. vol. 202; p. 670.
- Testing device. C. H. Norton. No. 1,109,008; Sept. 1; Gaz. vol. 206; p. 54.
- Testing instrument. H. Baluss. No. 1,104,753; July 21; Gaz. vol. 204; p. 965.
- Testing-machine. C. L. Elmes. No. 1,098,102; May 26; Gaz. vol. 202; p. 1134.
- Testing-machine. H. E. Kuhner. No. 1,107,619; Aug. 18; Gaz. vol. 205; p. 805.
- Testing-machine attachment. G. S. Evans. No. 1,120,461; Dec. 8; Gaz. vol. 209; p. 578.
- Testing-machines, Self-centering holder for. W. J. Loveland. No. 1,122,289; Dec. 29; Gaz. vol. 209; p. 1338.
- Textile and paper strips, Machine for folding and cutting. R. A. Weisse. No. 1,098,538; June 2; Gaz. vol. 203; p. 64.
- Textile conditioning and storage apparatus. I. E. Palmer. No. 1,123,139; Dec. 29; Gaz. vol. 209; p. 1635.
- Textile conditioning and storage apparatus. I. E. Palmer. No. 1,123,140; Dec. 29; Gaz. vol. 209; p. 1635.
- Textile-conditioning instrument. C. J. Emerson. No. 1,089,826; Mar. 10; Gaz. vol. 200; p. 443.
- Textile fabric, Printed. E. W. Stifel. No. 1,118,516; Nov. 24; Gaz. vol. 204; p. 1184.
- Textile fabrics with soapy preparations, Finishing or dressing. R. Weiss. No. 1,097,493; May 19; Gaz. vol. 202; p. 875.
- Textile fiber, Production of reserve effects on. E. Bentz. No. 1,098,145; May 26; Gaz. vol. 202; p. 1147.
- Textile machinery, Bearing for slide-rods for. C. E. Lovejoy. No. 1,118,029; Nov. 24; Gaz. vol. 208; p. 1013.
- Textile materials, Gaseous or like treatment of. J. T. and E. Brandwood. No. 1,095,796; May 5; Gaz. vol. 202; p. 213.
- Textile materials with liquids, Apparatus for treating. C. W. Fulton. No. 1,083,360; Jan. 6; Gaz. vol. 198; p. 33.
- Textile or other fabrics or materials, Apparatus for stretching. A. Livesey. No. 1,088,599; Feb. 24; Gaz. vol. 199; p. 1185.
- Textile-storage apparatus. I. E. Palmer. No. 1,123,138; Dec. 29; Gaz. vol. 209; p. 1634.
- Thawing and draining device. W. J. O'Brien, J. Ott, and C. A. Tilly. No. 1,118,793; Nov. 24; Gaz. vol. 208; p. 1278.
- Thawing apparatus for fire-engines. W. E. Lee. No. 1,119,761; Dec. 1; Gaz. vol. 209; p. 294.
- Theatrical device for vaudeville acts, Illusory. H. J. Moorhouse. No. 1,090,741; Mar. 17; Gaz. vol. 200; p. 798.
- Theodolite. G. Eagle. No. 1,095,717; May 5; Gaz. vol. 202; p. 185.
- Therapeutic apparatus. T. J. Farrell. No. 1,103,000; July 7; Gaz. vol. 204; p. 269.
- Therapeutic apparatus. J. H. Kellogg. No. 1,110,494; Sept. 15; Gaz. vol. 206; p. 662.
- Therapeutic apparatus. J. H. Neel. No. 1,120,964; Dec. 15; Gaz. vol. 209; p. 802.
- Therapeutic device. C. E. Macarthy. No. 1,095,899; May 5; Gaz. vol. 202; p. 246.
- Therapeutical apparatus, Circuit-interrupter for. F. M. and M. H. Kidder. No. 1,117,857; Nov. 17; Gaz. vol. 208; p. 914.
- Thermal device, Valved. W. H. McNutt. No. 1,108,459; Aug. 25; Gaz. vol. 205; p. 1144.
- Thermal motor. A. G. Schwieterman. No. 1,104,320; July 21; Gaz. vol. 204; p. 814.
- Thermal pan. B. E. Roscoe. No. 1,103,159; July 14; Gaz. vol. 204; p. 374.
- Thermic motor. L. J. J. Le Rond. No. 1,099,149; June 2; Gaz. vol. 203; p. 265.
- Thermo-couples, Cooling-jacket for. M. D. Wilbur. No. 1,122,345; Dec. 29; Gaz. vol. 209; p. 1356.
- Thermo-electric regulator. E. F. Collins. No. 1,121,979; Dec. 22; Gaz. vol. 209; p. 1193.
- Thermodynamic motor. F. W. Hagar. No. 1,092,042; Mar. 31; Gaz. vol. 200; p. 1316.
- Thermohumidity control. F. D. Windell. No. 1,113,724; Oct. 13; Gaz. vol. 207; p. 501.
- Thermometer. F. F. Zuckschwerdt. No. 1,101,003; June 23; Gaz. vol. 203; p. 1040.
- Thermometer-carrier. F. Liedtke. No. 1,102,062; June 30; Gaz. vol. 203; p. 1459.
- Thermometer-case. J. B. Young. No. 1,099,629; June 9; Gaz. vol. 203; p. 475.
- Thermometer case, Clinical. O. Gray. No. 1,095,854; May 5; Gaz. vol. 202; p. 232.
- Thermometer case, Clinical. T. W. Sims. No. 1,109,308; Sept. 1; Gaz. vol. 206; p. 160.
- Thermometer, Clinical. W. W. Talbot. No. 1,119,202; Dec. 1; Gaz. vol. 209; p. 106.
- Thermometer-holder. C. N. Mueller and W. V. Van Doren. No. 1,119,627; Dec. 1; Gaz. vol. 209; p. 251.
- Thermometer-holder, Aseptic. C. J. Myre and J. P. Hebert. No. 1,103,371; July 14; Gaz. vol. 204; p. 446.
- Thermometer, Recording. W. L. Friedman. No. 1,105,898; Aug. 4; Gaz. vol. 205; p. 108.
- Thermometers and similar instruments, Device for illuminating. M. E. Moeller. No. 1,103,605; July 14; Gaz. vol. 204; p. 528.
- Thermostat. J. Boekel. No. 1,094,362; Apr. 21; Gaz. vol. 201; p. 830.
- Thermostat. J. Boekel. No. 1,110,477; Sept. 15; Gaz. vol. 206; p. 656.
- Thermostat. G. Cugley. No. 1,111,138; Sept. 22; Gaz. vol. 206; p. 930.
- Thermostat. A. Doble. No. 1,099,029; June 2; Gaz. vol. 203; p. 226.
- Thermostat. C. L. Fortier. No. 1,109,913; Sept. 8; Gaz. vol. 206; p. 415.
- Thermostat. A. A. Froehlich. No. 1,120,707; Dec. 15; Gaz. vol. 209; p. 712.
- Thermostat. R. E. Hinson. No. 1,094,991; Apr. 28; Gaz. vol. 201; p. 1115.
- Thermostat. C. F. Johnson. No. 1,099,923; June 16; Gaz. vol. 203; p. 613.
- Thermostat. J. M. Johnson. No. 1,113,126; Oct. 6; Gaz. vol. 207; p. 246.
- Thermostat. F. J. P. Kuhlmann. No. 1,109,996; Sept. 8; Gaz. vol. 206; p. 445.
- Thermostat. F. Kuhn and F. E. Shailor. No. 1,107,316; Aug. 18; Gaz. vol. 205; p. 696.
- Thermostat. L. A. Larson. No. 1,099,383; June 9; Gaz. vol. 203; p. 392.
- Thermostat. G. W. Lorimer. No. 1,100,383; June 16; Gaz. vol. 203; p. 772.
- Thermostat. G. J. Ogden. No. 1,119,190; Dec. 1; Gaz. vol. 209; p. 101.
- Thermostat. H. E. Reeve. No. 1,091,764; Mar. 31; Gaz. vol. 200; p. 1223.
- Thermostat. H. E. Reeve. No. 1,111,236; Sept. 22; Gaz. vol. 206; p. 965.
- Thermostat. H. A. Steen. No. 1,110,153; Sept. 8; Gaz. vol. 206; p. 503.
- Thermostat. J. G. Wallmann. No. 1,112,743; Oct. 6; Gaz. vol. 207; p. 117.
- Thermostat and like device. C. L. Fortier. No. 1,109,981; Sept. 8; Gaz. vol. 206; p. 440.
- Thermostat and like device. C. F. Johnson. No. 1,109,993; Sept. 8; Gaz. vol. 206; p. 443.
- Thermostat, Electromagnetically-operated. H. A. Steen. No. 1,110,152; Sept. 8; Gaz. vol. 206; p. 502.
- Thermostatic circuit-controller. L. S. Besley. No. 1,102,566; July 7; Gaz. vol. 204; p. 121.
- Thermostatic control device. C. F. Johnson. No. 1,110,137; Sept. 8; Gaz. vol. 206; p. 498.
- Thermostatic member and supporting-post therefor. O. C. Hatch. No. 1,112,448; Oct. 6; Gaz. vol. 207; p. 11.

Alphabetical list of inventions—Continued.

- Thermostatic regulating device. E. W. Comfort. No. 1,122,077; Dec. 22; Gaz. vol. 209; p. 1227.
- Thermostatic regulation for heated rollers. G. S. Witham, Sr., and A. Roesch. No. 1,107,737; Aug. 18; Gaz. vol. 205; p. 847.
- Thermostatic trap or valve. F. W. Leuthesser. No. 1,098,275; May 26; Gaz. vol. 202; p. 1193.
- Thermostatic trap or valve. J. H. Martin, Jr. No. 1,094,666; Apr. 28; Gaz. vol. 201; p. 1001.
- Thill-coupling. A. C. Clemens. No. 1,091,633; Mar. 31; Gaz. vol. 200; p. 1177.
- Thill-coupling. A. A. Green. No. 1,118,486; Nov. 24; Gaz. vol. 208; p. 1176.
- Thill-coupling. T. H. Hill. No. 1,116,064; Nov. 3; Gaz. vol. 208; p. 204.
- Thill-coupling. E. T. Hrubesky. No. 1,095,113; Apr. 28; Gaz. vol. 201; p. 1154.
- Thill-coupling. G. Lake. No. 1,112,423; Sept. 29; Gaz. vol. 206; p. 1412.
- Thill-support. G. W. Fry. No. 1,121,344; Dec. 15; Gaz. vol. 209; p. 934.
- Thill-support. E. F. Hoffman. No. 1,118,859; Nov. 24; Gaz. vol. 208; p. 1301.
- Thimble. W. R. Pike. No. 1,109,457; Sept. 1; Gaz. vol. 206; p. 212.
- Thoria from monazite sand, Extracting. C. Baskerville. No. 1,087,099; Feb. 17; Gaz. vol. 199; p. 624.
- Thread, &c., Apparatus for liquid treatment of hanks of. J. Clayton. No. 1,116,242; Nov. 3; Gaz. vol. 208; p. 264.
- Thread-board. J. A. Johnston. No. 1,097,230; May 19; Gaz. vol. 202; p. 784.
- Thread-board-cleaning apparatus. H. D. Colman. No. 1,114,859; Oct. 27; Gaz. vol. 207; p. 993.
- Thread-board-guide-wire holder. F. S. Culver. No. 1,114,341; Oct. 20; Gaz. vol. 207; p. 757.
- Thread-cutter. J. A. Dowd. No. 1,085,026; Jan. 20; Gaz. vol. 198; p. 648.
- Thread-cutter. J. A. Dowd. No. 1,095,090; Apr. 28; Gaz. vol. 201; p. 1147.
- Thread-cutting apparatus, Binding-. A. Tscherne. No. 1,104,848; July 28; Gaz. vol. 204; p. 1047.
- Thread-cutting device. R. Wild. No. 1,091,412; Mar. 24; Gaz. vol. 200; p. 1057.
- Thread-cutting die, Self opening or releasing. F. Judge. No. 1,105,565; July 28; Gaz. vol. 204; p. 1299.
- Thread-cutting machine. J. A. Dowd. No. 1,087,739; Feb. 17; Gaz. vol. 199; p. 850.
- Thread-cutting machine, Taper-. L. B. Curtis and C. E. Josselyn. No. 1,115,055; Oct. 27; Gaz. vol. 207; p. 1063.
- Thread-cutting tool, Adjustable. P. E. Becker. No. 1,114,720; Oct. 27; Gaz. vol. 207; p. 942.
- Thread-cutting tool, Taper-. B. Borden. No. 1,102,713; July 7; Gaz. vol. 204; p. 171.
- Thread, Fibrous. A. H. Henderson. No. 1,093,183; Apr. 14; Gaz. vol. 201; p. 399.
- Thread-finger mechanism. H. A. Ballard. No. 1,091,421; Mar. 24; Gaz. vol. 200; p. 1060.
- Thread-finishing machine. W. C. Keyworth. No. 1,119,171; Dec. 1; Gaz. vol. 209; p. 94.
- Thread-forming tool. R. B. Tewksbury. No. 1,085,643; Feb. 3; Gaz. vol. 199; p. 22.
- Thread-guard. A. Frost. No. 1,095,841; May 5; Gaz. vol. 202; p. 228.
- Thread-guide. C. E. Hayes. No. 1,099,745; June 9; Gaz. vol. 203; p. 515.
- Thread-guide. J. R. Mitchell. No. 1,087,502; Feb. 17; Gaz. vol. 199; p. 766.
- Thread-guide. M. E. Rudisill. No. 1,122,162; Dec. 22; Gaz. vol. 209; p. 1255.
- Thread-guide and binder, Spool. A. Roller. No. 1,088,731; Mar. 3; Gaz. vol. 200; p. 21.
- Thread-holder. F. H. Weaver. No. 1,116,180; Nov. 3; Gaz. vol. 208; p. 243.
- Thread holder, Crochet-. F. J. Gault. No. 1,097,421; May 19; Gaz. vol. 202; p. 850.
- Thread-holding device. J. Kiewicz. No. 1,111,907; Sept. 29; Gaz. vol. 206; p. 1236.
- Thread, Machine for manufacturing artificial-silk and like. V. Planchon. No. 1,093,146; Apr. 14; Gaz. vol. 201; p. 386.
- Thread, Manufacture of artificial. J. Hartogs. No. 1,119,155; Dec. 1; Gaz. vol. 209; p. 89.
- Thread-moistening apparatus for textile-machines. A. G. Koechlin. No. 1,094,856; Apr. 28; Gaz. vol. 201; p. 1067.
- Thread-package. C. P. Mitchell. No. 1,104,818; July 28; Gaz. vol. 204; p. 1037.
- Thread-protector. J. W. West. No. 1,120,004; Dec. 8; Gaz. vol. 209; p. 416.
- Thread-protectors, Making. P. J. Shrum. No. 1,118,372; Nov. 24; Gaz. vol. 208; p. 1133.
- Thread-protectors, Mechanism for making. P. J. Shrum. No. 1,118,373; Nov. 24; Gaz. vol. 208; p. 1134.
- Thread-rolling machine. C. T. Brennan. No. 1,108,425; Aug. 25; Gaz. vol. 205; p. 1132.
- Thread-rolling machine. R. L. Wilcox. No. 1,104,091; July 21; Gaz. vol. 204; p. 737.
- Thread-tension device. G. J. Schautz and E. J. Stoeckel. No. 1,111,500; Sept. 22; Gaz. vol. 206; p. 1054.
- Thread, Waxing. C. L. Eaton. No. 1,115,418; Oct. 27; Gaz. vol. 207; p. 1188.
- Thread-waxing device. A. Eppler. No. 1,091,126; Mar. 24; Gaz. vol. 200; p. 964.
- Threads arranged in a row, Device for the purpose of singly separating. O. von Meyenburg. No. 1,097,202; May 19; Gaz. vol. 202; p. 773.
- Threads, films, or plates, Production of. E. Bronnert. No. 1,102,237; July 7; Gaz. vol. 204; p. 16.
- Threads from a warp, Apparatus for successively separating single. M. Wenzel. No. 1,105,867; Aug. 4; Gaz. vol. 205; p. 98.
- Threads from woven fabrics, Machine for extracting. J. W. Eshelman. No. 1,097,216; May 19; Gaz. vol. 202; p. 779.
- Threads, &c., Manufacturing artificial lustrous. F. E. Dietler. No. 1,121,903; Dec. 22; Gaz. vol. 209; p. 1167.
- Threads of lace and other fabrics, Mechanism for cutting the floating. M. O. Rehffuss, A. Burgess, and J. G. Rehffuss. No. 1,103,838; July 14; Gaz. vol. 204; p. 608.
- Threading device. C. F. Schultis. No. 1,108,798; Aug. 25; Gaz. vol. 205; p. 1260.
- Threading-die holder. R. A. Boehm. No. 1,119,676; Dec. 1; Gaz. vol. 209; p. 267.
- Threading-machine. W. M. Neckerman and C. A. Bilce. No. 1,085,697; Feb. 3; Gaz. vol. 199; p. 41.
- Thresher. G. W. Carpenter. No. 1,112,194; Sept. 29; Gaz. vol. 206; p. 1330.
- Thresher and harvester, Pea. G. E. Pritchard. No. 1,117,904; Nov. 17; Gaz. vol. 208; p. 929.
- Thresher-cylinders, Concaves for. A. Anderson. No. 1,095,693; May 5; Gaz. vol. 202; p. 178.
- Thresher for reaper-threshers, Cavings-. M. H. East. No. 1,118,191; Nov. 24; Gaz. vol. 208; p. 1069.
- Thresher, Grain-. T. F. Cummings. No. 1,098,560; June 2; Gaz. vol. 203; p. 72.
- Thresher, Reaper-. M. H. East. No. 1,121,814; Dec. 22; Gaz. vol. 209; p. 1134.
- Thresher, Standing-grain. W. G. Engle. No. 1,122,375; Dec. 29; Gaz. vol. 209; p. 1366.
- Threshing and other machine cylinder. E. F. Piper. No. 1,116,113; Nov. 3; Gaz. vol. 208; p. 222.
- Threshing-cylinder. H. La Rue. No. 1,111,262; Sept. 22; Gaz. vol. 206; p. 973.
- Threshing cylinder and concave. G. R. Shultz. No. 1,092,757; Apr. 7; Gaz. vol. 201; p. 217.
- Threshing-machine. A. M. Anderson. No. 1,111,554; Sept. 22; Gaz. vol. 206; p. 1072.
- Threshing-machine. B. W. Crippen. No. 1,083,993; Jan. 13; Gaz. vol. 198; p. 272.
- Threshing-machine. S. G. George. No. 1,110,768; Sept. 15; Gaz. vol. 206; p. 758.
- Threshing-machine. W. F. MacGregor. No. 1,096,547; May 12; Gaz. vol. 202; p. 504.
- Threshing-machine. D. A. McConnell. No. 1,099,070; June 2; Gaz. vol. 203; p. 238.
- Threshing-machine. J. W. Newsom. No. 1,083,852; Jan. 6; Gaz. vol. 198; p. 193.
- Threshing-machine. J. Retzlaff. No. 1,100,150; June 16; Gaz. vol. 203; p. 692.
- Threshing-machine self-feeder. L. Kerbel. No. 1,116,294; Nov. 3; Gaz. vol. 208; p. 281.
- Threshing-machine-feeder attachment. I. D. Bate. No. 1,104,033; July 21; Gaz. vol. 204; p. 717.
- Threshing-machine-feeding attachment. C. M. Conrardy. No. 1,107,266; Aug. 18; Gaz. vol. 205; p. 679.
- Threshing-machine-feeding device. D. Lew Allen. No. 1,122,958; Dec. 29; Gaz. vol. 209; p. 1569.
- Threshing-machine for standing grain. E. C. and N. H. Sooy. No. 1,103,324; July 14; Gaz. vol. 204; p. 430.
- Threshing-machine grain-spout. R. J. Taylor. No. 1,086,871; Feb. 10; Gaz. vol. 199; p. 498.
- Threshing-machine screen. C. L. Mansfield. No. 1,092,222; Apr. 7; Gaz. vol. 201; p. 34.
- Threshing-machine self-feeder. M. L. Heineke. No. 1,107,517; Aug. 18; Gaz. vol. 205; p. 768.
- Threshing-machine self-feeder. A. G. Slocum. No. 1,123,028; Dec. 29; Gaz. vol. 209; p. 1596.
- Threshing-machine separator. F. C. Roszman. No. 1,120,978; Dec. 15; Gaz. vol. 209; p. 806.
- Threshing-machine twine-saving attachment. J. A. Ramsey. No. 1,121,398; Dec. 15; Gaz. vol. 209; p. 953.
- Threshing-machines, &c., Automatic feeder for. G. C. Long. No. 1,110,950; Sept. 15; Gaz. vol. 206; p. 822.
- Threshing-machines, Flax-sieve for. L. L. Thompson. No. 1,116,167; Nov. 3; Gaz. vol. 208; p. 240.
- Threshers, Beater for. J. L. Torske. No. 1,093,216; Apr. 14; Gaz. vol. 201; p. 410.
- Threshers, Bundle-supporter for. P. Powers. No. 1,103,312; July 14; Gaz. vol. 204; p. 426.
- Throttle and spark governor. V. Link. No. 1,108,198; Aug. 25; Gaz. vol. 205; p. 1054.
- Throw device, Variable-. F. A. Hart. No. 1,105,774; Aug. 4; Gaz. vol. 205; p. 66.
- Throw-off device. G. A. Smith. No. 1,112,727; Oct. 6; Gaz. vol. 207; p. 112.
- Thumb-hole-cutting machine. W. C. Carlson. No. 1,117,321; Nov. 17; Gaz. vol. 208; p. 726.
- Thumb-hole-cutting machine. J. D. Reifsnnyder. No. 1,092,393; Apr. 7; Gaz. vol. 201; p. 92.

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- Thumb-screw. O. Zerk. No. 1,094,768; Apr. 28; Gaz. vol. 201; p. 1037.
- Thumb-tack lifter and holder. P. W. Graue. No. 1,101,845; June 30; Gaz. vol. 203; p. 1380.
- Ticket and card holder. Car. J. O. Gardner. No. 1,088,142; Feb. 24; Gaz. vol. 199; p. 1035.
- Ticket and stock-sheet, Combined inventory-. C. F. Rudolf. No. 1,114,811; Oct. 27; Gaz. vol. 207; p. 975.
- Ticket, Cash-fare. C. S. Norton. No. 1,086,688; Feb. 10; Gaz. vol. 199; p. 432.
- Ticket-cutter. T. V. Williams. No. 1,083,476; Jan. 6; Gaz. vol. 198; p. 73.
- Ticket-cutter, Marginal. L. A. Bridges. No. 1,122,363; Dec. 29; Gaz. vol. 209; p. 1362.
- Ticket-delivery machine. E. McComas. No. 1,084,462; Jan. 13; Gaz. vol. 198; p. 427.
- Ticket-dispensing machine. F. Magidson. No. 1,098,913; June 2; Gaz. vol. 203; p. 189.
- Ticket, Fare and transfer. J. L. Donnelly. No. 1,114,344; Oct. 20; Gaz. vol. 207; p. 758.
- Ticket, Hat-size. J. H. Wein. No. 1,113,849; Oct. 13; Gaz. vol. 207; p. 545.
- Ticket-holder. W. L. Daly. No. 1,087,871; Feb. 17; Gaz. vol. 199; p. 892.
- Ticket-holder. G. E. and E. B. Roedding. No. 1,113,373; Oct. 13; Gaz. vol. 207; p. 379.
- Ticket-holder. F. A. Semmelhack. No. 1,109,795; Sept. 8; Gaz. vol. 206; p. 371.
- Ticket-holder. C. P. Sterling. No. 1,099,214; June 9; Gaz. vol. 203; p. 332.
- Ticket-holder. C. J. Wohl. No. 1,093,517; Apr. 14; Gaz. vol. 201; p. 508.
- Ticket, Pin-. T. C. Candlish. No. 1,116,796; Nov. 10; Gaz. vol. 208; p. 502.
- Ticket, Pin-. L. Gittelsohn. No. 1,113,611; Oct. 13; Gaz. vol. 207; p. 461.
- Ticket, Pin-. W. Livingston. No. 1,092,923; Apr. 14; Gaz. vol. 201; p. 310.
- Ticket, Pin-. W. Livingston. No. 1,093,638; Apr. 21; Gaz. vol. 201; p. 592.
- Ticket, Railway-. R. E. Crowley. No. 1,111,298; Sept. 22; Gaz. vol. 206; p. 986.
- Ticket, Railway interline. J. D. Gibbs. No. 1,103,757; July 14; Gaz. vol. 204; p. 581.
- Ticket, Railway-passage. J. D. Gibbs. No. 1,100,724; June 23; Gaz. vol. 203; p. 941.
- Ticker-receiver, Automatic. J. H. Hammond, Jr. No. 1,098,380; June 2; Gaz. vol. 203; p. 8.
- Ticket registering and indicating device, Automatic. A. Kiparski. No. 1,083,840; Jan. 6; Gaz. vol. 198; p. 190.
- Ticket-registering system, Automatic. A. Kiparski. No. 1,101,452; June 23; Gaz. vol. 203; p. 1192.
- Ticket-sales register. A. Kiparski. No. 1,083,839; Jan. 6; Gaz. vol. 198; p. 190.
- Ticket, stamp, and card holder, Railway-. T. H. Edmonds. No. 1,089,117; Mar. 3; Gaz. vol. 200; p. 152.
- Ticket, Transfer-. P. G. Rousseas. No. 1,093,476; Apr. 14; Gaz. vol. 201; p. 496.
- Ticket, Transfer-. H. J. Smith. (Reissue.) No. 1,375; June 23; Gaz. vol. 203; p. 1219.
- Ticket, Transportation-. A. C. Adams. No. 1,090,589; Mar. 17; Gaz. vol. 200; p. 750.
- Ticket, Transportation-. F. Batt. No. 1,107,743; Aug. 18; Gaz. vol. 205; p. 849.
- Ticket, Transportation-. C. Messick. No. 1,121,109; Dec. 15; Gaz. vol. 209; p. 855.
- Tickets, Apparatus for automatically totalizing. A. Kiparski. No. 1,101,453; June 23; Gaz. vol. 203; p. 1193.
- Tide and wave motor. P. Hale. No. 1,099,085; June 2; Gaz. vol. 203; p. 242.
- Tide-motor. W. Braunsdorf. No. 1,083,794; Jan. 6; Gaz. vol. 198; p. 176.
- Tide-motor. J. L. Bustos. No. 1,105,249; July 28; Gaz. vol. 204; p. 1187.
- Tide-motor. J. Ishii. No. 1,104,510; July 21; Gaz. vol. 204; p. 882.
- Tide-motor. G. F. Lemmon. No. 1,111,161; Sept. 22; Gaz. vol. 206; p. 938.
- Tide-power mechanism. W. T. Erickson. No. 1,089,120; Mar. 3; Gaz. vol. 200; p. 153.
- Tides, Apparatus for making use of the energy of the. H. Rexroth. No. 1,085,823; Feb. 3; Gaz. vol. 199; p. 87.
- Tie: See Bag-tie; Bale-tie; Bale-band tie; Box-tie; Concrete tie; Concrete railway-tie; Cross-tie; Horse-tie; Metal tie; Metallic tie; Package-tie; Rail-tie; Rail-supporting tie; Railway-tie; Railway composite tie; Railway cross-tie; Railway-crossing tie; Railway-rail tie; Reinforced tie; Scaffold-tie; Trunk-tie; Wall-tie.
- Tie. O. H. Mackey. No. 1,110,953; Sept. 15; Gaz. vol. 206; p. 823.
- Tie. W. R. Springer. No. 1,099,826; June 9; Gaz. vol. 203; p. 541.
- Tie. D. J. Weigel. No. 1,090,768; Mar. 17; Gaz. vol. 200; p. 807.
- Tie and bar support, Combined. J. T. Craven. No. 1,120,374; Dec. 8; Gaz. vol. 209; p. 547.
- Tie and fastener, Combined. J. T. B. Andrews. No. 1,085,720; Feb. 3; Gaz. vol. 199; p. 50.
- Tie and rail-clamp, Combined. P. Kacsarik. No. 1,094,150; Apr. 21; Gaz. vol. 201; p. 764.
- Tie and rail-fastener. J. R. Nagy. No. 1,092,661; Apr. 7; Gaz. vol. 201; p. 185.
- Tie and rail-fastener. W. O'Hare. No. 1,095,590; May 5; Gaz. vol. 202; p. 142.
- Tie and rail-fastening. C. Anderson. No. 1,093,520; Apr. 14; Gaz. vol. 201; p. 509.
- Tie and rail-joint. J. J. Knaus. No. 1,117,958; Nov. 17; Gaz. vol. 208; p. 948.
- Tie and soft-collar case. G. Wordingham. No. 1,089,519; Mar. 10; Gaz. vol. 200; p. 339.
- Tie-clamp. H. W. Tufts. No. 1,103,455; July 14; Gaz. vol. 204; p. 474.
- Tie-clasp. J. Kirby. No. 1,088,345; Feb. 24; Gaz. vol. 199; p. 1103.
- Tie-clasp. C. F. Willingham. No. 1,113,271; Oct. 13; Gaz. vol. 207; p. 342.
- Tie-holder. T. J. Barck. No. 1,095,781; May 5; Gaz. vol. 202; p. 208.
- Tie-plate. E. L. Adreon, Jr. No. 1,095,305; May 5; Gaz. vol. 202; p. 45.
- Tie-plate. W. Brenning. No. 1,092,013; Mar. 31; Gaz. vol. 200; p. 1307.
- Tie-plate. B. L. Cleveland. No. 1,102,244; July 7; Gaz. vol. 204; p. 8.
- Tie-plate. L. Dilworth. No. 1,093,256; Apr. 14; Gaz. vol. 201; p. 424.
- Tie-plate. H. H. Ferris. No. 1,117,651; Nov. 17; Gaz. vol. 208; p. 842.
- Tie-plate. W. M. Glotfelty. No. 1,089,207; Mar. 3; Gaz. vol. 200; p. 184.
- Tie-plate. E. Laas and H. H. Sponenburg. No. 1,096,308; May 12; Gaz. vol. 202; p. 423.
- Tie-plate. W. E. Miller. No. 1,113,461; Oct. 13; Gaz. vol. 207; p. 410.
- Tie-plate. E. Posson. No. 1,111,092; Sept. 22; Gaz. vol. 206; p. 914.
- Tie-plate. J. V. W. Reynders and A. F. Nelson. No. 1,110,962; Sept. 15; Gaz. vol. 206; p. 827.
- Tie-plate. M. J. Silberberg. No. 1,100,848; June 23; Gaz. vol. 203; p. 984.
- Tie-plate. M. H. Whitman. No. 1,117,938; Nov. 17; Gaz. vol. 208; p. 941.
- Tie-plate, Adjustable. J. Odien. No. 1,085,062; Jan. 20; Gaz. vol. 198; p. 659.
- Tie-plate and brace, Combined. I. L. Edwards. No. 1,091,050; Mar. 24; Gaz. vol. 200; p. 937.
- Tie-plate and rail-brace. W. E. Miller. No. 1,113,462; Oct. 13; Gaz. vol. 207; p. 410.
- Tie-plate, Anti-rail-creeper. O. A. McCombs. No. 1,111,847; Sept. 29; Gaz. vol. 206; p. 1213.
- Tie-plates, Manufacturing. E. H. Bell. No. 1,089,389; Mar. 10; Gaz. vol. 200; p. 289.
- Tie-plates, Manufacturing. E. H. Bell. No. 1,106,770; Aug. 11; Gaz. vol. 205; p. 458.
- Tie-spacer. G. F. Blair. No. 1,117,127; Nov. 10; Gaz. vol. 208; p. 616.
- Tie-spacing device. P. W. Moore. No. 1,095,658; May 5; Gaz. vol. 202; p. 166.
- Tile. C. G. Blake. No. 1,093,761; Apr. 21; Gaz. vol. 201; p. 633.
- Tile and brick forming and cutting table. L. Warstler and P. F. Loichot. No. 1,108,287; Aug. 25; Gaz. vol. 205; p. 1086.
- Tile, Cement-mortar or concrete roofing-. I. H. Freund. No. 1,089,373; Mar. 3; Gaz. vol. 200; p. 237.
- Tile-coating machine. O. Metzner. No. 1,093,064; Apr. 14; Gaz. vol. 201; p. 357.
- Tile, Cooling-floor. J. B. Baird. No. 1,119,789; Dec. 8; Gaz. vol. 209; p. 341.
- Tile, Drain-. T. S. Murphy. No. 1,119,858; Dec. 8; Gaz. vol. 209; p. 364.
- Tile for vaults, &c., Illuminated. J. J. Lawler. No. 1,097,650; May 26; Gaz. vol. 202; p. 972.
- Tile, Glass-insert. C. G. Blake. No. 1,092,128; Mar. 31; Gaz. vol. 200; p. 1347.
- Tile, Hollow. F. K. Fassett. No. 1,095,147; Apr. 28; Gaz. vol. 201; p. 1166.
- Tile-laying machine. C. H. Clark. No. 1,112,894; Oct. 6; Gaz. vol. 207; p. 168.
- Tile machine, Cement-. W. E. and H. E. Dunn. No. 1,106,086; Aug. 4; Gaz. vol. 205; p. 175.
- Tile-machine feeder. S. Miller. No. 1,093,714; Apr. 21; Gaz. vol. 201; p. 619.
- Tiles, Machine for filling in hollow cavities in. G. Kaupert. No. 1,119,084; Dec. 1; Gaz. vol. 209; p. 65.
- Tiles, Making hollow. P. H. Trout. No. 1,122,669; Dec. 29; Gaz. vol. 209; p. 1469.
- Tile-making machine. C. M. Eberling. No. 1,106,088; Aug. 4; Gaz. vol. 205; p. 176.
- Tile-making machine, Cement-. C. F. R. Kurtze and W. Gillard. No. 1,116,080; Nov. 3; Gaz. vol. 208; p. 209.
- Tile-making-machine frame. F. S. Hartwell and L. C. Sears. No. 1,107,940; Aug. 18; Gaz. vol. 205; p. 915.
- Tile-molding machine. C. V. Rosenthal. No. 1,116,126; Nov. 3; Gaz. vol. 208; p. 226.
- Tile-molding machine, Conduit-. A. Glenn. No. 1,095,104; Apr. 28; Gaz. vol. 201; p. 1151.
- Tile or block, Building. G. P. Crumbaugh. No. 1,090,691; Mar. 17; Gaz. vol. 200; p. 783.

Alphabetical list of inventions—Continued.

- Tile, Roofing-. J. Opelz. No. 1,092,799; Apr. 7; Gaz. vol. 201; p. 231.
- Tile, Roofing-. F. M. Vogan. No. 1,101,591; June 30; Gaz. vol. 203; p. 1293.
- Tile structure. F. Thomas. No. 1,106,168; Aug. 4; Gaz. vol. 205; p. 204.
- Tiles, Cap for drain-. W. Armsworth. No. 1,103,391; July 14; Gaz. vol. 204; p. 452.
- Tiles, Molding-machine for roofing-. W. Melde. No. 1,114,168; Oct. 20; Gaz. vol. 207; p. 697.
- Tiles of cement, Machine for producing interlocking. H. Hermansen and G. A. Kofoed. No. 1,118,281; Nov. 24; Gaz. vol. 208; p. 1100.
- Tiller-quadrant. C. W. Phalen and F. E. Giddings. No. 1,087,822; Feb. 17; Gaz. vol. 199; p. 876.
- Tilling attachment, Deep-. E. Robinson. No. 1,100,620; June 16; Gaz. vol. 203; p. 852.
- Tilling implement, Hand-operated. F. H. A. Bouyer, fils. No. 1,086,642; Feb. 10; Gaz. vol. 199; p. 417.
- Tilling-machine. G. W. Connor. No. 1,102,979; July 7; Gaz. vol. 204; p. 261.
- Tilling-machine. J. Peterson. No. 1,084,478; Jan. 13; Gaz. vol. 198; p. 432.
- Tilling-machine. W. C. Zelle. No. 1,084,918; Jan. 20; Gaz. vol. 198; p. 611.
- Tilling the soil, Apparatus for. J. Rubarth. No. 1,085,825; Feb. 3; Gaz. vol. 199; p. 88.
- Tilling the soil, Motor-driven device for. H. I. Washburn. No. 1,087,620; Feb. 17; Gaz. vol. 199; p. 807.
- Tilting bin. F. Kyle. No. 1,112,296; Sept. 29; Gaz. vol. 206; p. 1366.
- Tilting furnace. C. P. Turner, W. T. Drake, and J. E. Little. No. 1,086,485; Feb. 10; Gaz. vol. 199; p. 362.
- Timber-dolly. E. G. Drain. No. 1,105,631; Aug. 4; Gaz. vol. 205; p. 15.
- Timber-hook. D. W. Martin. No. 1,097,813; May 26; Gaz. vol. 202; p. 1031.
- Timber-treating apparatus. H. C. Holthoff. No. 1,109,334; Sept. 1; Gaz. vol. 206; p. 170.
- Time-announcing system. M. F. Geer. No. 1,121,823; Dec. 22; Gaz. vol. 209; p. 1138.
- Time-card. N. T. Ficker. No. 1,103,575; July 14; Gaz. vol. 204; p. 517.
- Time-checking machine. T. Montgomery. No. 1,106,958; Aug. 11; Gaz. vol. 205; p. 524.
- Time contact-switch, Automatic. H. B. Meier. No. 1,092,736; Apr. 7; Gaz. vol. 201; p. 210.
- Time-controlled apparatus. W. A. Blanchard. No. 1,120,677; Dec. 15; Gaz. vol. 209; p. 702.
- Time-controlled mechanism. E. O. Slater. No. 1,102,093; June 30; Gaz. vol. 203; p. 1469.
- Time-controlled mechanism, Coin-operated. W. S. Schott. No. 1,089,015; Mar. 3; Gaz. vol. 200; p. 117.
- Time-controlling apparatus. H. R. Jaekel. No. 1,114,885; Oct. 27; Gaz. vol. 207; p. 1001.
- Time-element device. J. G. Statter. No. 1,100,789; June 23; Gaz. vol. 203; p. 964.
- Time-element device. N. Wilkinson. No. 1,118,608; Nov. 24; Gaz. vol. 208; p. 1217.
- Time-indicating device. W. Bryce. No. 1,083,917; Jan. 13; Gaz. vol. 198; p. 245.
- Time-indicating devices, System for operating or controlling. L. J. Aron. No. 1,094,292; Apr. 21; Gaz. vol. 201; p. 809.
- Time-indicating dial. D. Evans. No. 1,121,486; Dec. 15; Gaz. vol. 209; p. 983.
- Time-indicator. W. G. Bentley. No. 1,086,268; Feb. 3; Gaz. vol. 199; p. 241.
- Time-lock. O. F. Mieth. No. 1,105,286; July 28; Gaz. vol. 204; p. 1199.
- Time mechanism. B. C. Batcheller. No. 1,087,631; Feb. 17; Gaz. vol. 199; p. 811.
- Time-recorder. W. H. Bundy. No. 1,088,672; Feb. 24; Gaz. vol. 199; p. 1210.
- Time-recorder. R. B. Craig. No. 1,098,484; June 2; Gaz. vol. 203; p. 44.
- Time-recorder. G. W. Gibbs. No. 1,089,760; Mar. 10; Gaz. vol. 200; p. 421.
- Time-recorder. H. T. Goss. No. 1,088,148; Feb. 24; Gaz. vol. 199; p. 1037.
- Time-recorder. H. T. Goss and J. W. Bryce. No. 1,085,678; Feb. 3; Gaz. vol. 199; p. 35.
- Time-recorder. W. D. Hawley. No. 1,119,507; Dec. 1; Gaz. vol. 209; p. 210.
- Time-recorder. J. F. Kiely. No. 1,087,665; Feb. 17; Gaz. vol. 199; p. 824.
- Time-recorder. C. E. Larrabee. No. 1,088,077; Feb. 24; Gaz. vol. 199; p. 1012.
- Time-recorder. C. E. Tomlinson. No. 1,103,105; July 14; Gaz. vol. 204; p. 354.
- Time-recorder. C. E. Tomlinson. No. 1,110,085; Sept. 8; Gaz. vol. 206; p. 476.
- Time-recorder. C. E. Tomlinson. No. 1,110,411; Sept. 15; Gaz. vol. 206; p. 632.
- Time-recorder, Workman's. C. C. Harris and D. A. Stowell. No. 1,095,158; Apr. 28; Gaz. vol. 201; p. 1171.
- Time-recorders, Record-dial-supporting device for watchmen's. C. H. Jenkins. No. 1,088,994; Mar. 3; Gaz. vol. 200; p. 110.
- Time-recording lock. E. S. Phelps. No. 1,112,419; Sept. 29; Gaz. vol. 206; p. 1410.
- Time-recording machine. C. E. Tomlinson. No. 1,103,106; July 14; Gaz. vol. 204; p. 355.
- Time-recording registers, Attachment for regulating. H. B. McCabe. No. 1,104,125; July 21; Gaz. vol. 204; p. 748.
- Time-register-key-actuating mechanism. C. H. Jenkins. No. 1,101,800; June 30; Gaz. vol. 203; p. 1365.
- Time-stop, Automatic. L. V. Maddox. No. 1,107,332; Aug. 18; Gaz. vol. 205; p. 701.
- Time-switch. J. E. H. Béraud. No. 1,123,072; Dec. 29; Gaz. vol. 209; p. 1611.
- Time-switch. M. Chiavetta. No. 1,106,281; Aug. 4; Gaz. vol. 205; p. 239.
- Time-switch. V. G. Jensen. No. 1,098,387; June 2; Gaz. vol. 203; p. 10.
- Time-switch, Automatic. G. R. Clark. No. 1,101,998; June 30; Gaz. vol. 203; p. 1435.
- Time-switch, Automatic. G. J. Vande Greyn. No. 1,116,517; Nov. 10; Gaz. vol. 208; p. 401.
- Time-table. S. W. Phelps. No. 1,112,089; Sept. 29; Gaz. vol. 206; p. 1294.
- Time-table rack. E. C. Schmidt. No. 1,117,255; Nov. 17; Gaz. vol. 208; p. 702.
- Time-table, Rotary. A. H. Pleasants. No. 1,086,212; Feb. 3; Gaz. vol. 199; p. 223.
- Timed lock and recorder, Combined. F. R. Flynn. No. 1,114,348; Oct. 20; Gaz. vol. 207; p. 760.
- Timer. C. W. Groneman. No. 1,084,576; Jan. 13; Gaz. vol. 198; p. 466.
- Timer and distributor. W. D. C. Wright. No. 1,120,112; Dec. 8; Gaz. vol. 209; p. 452.
- Timer, Roller-. W. C. Kitchell. No. 1,086,598; Feb. 10; Gaz. vol. 199; p. 402.
- Timing device. H. S. Hatfield. No. 1,094,440; Apr. 28; Gaz. vol. 201; p. 919.
- Timing device. W. M. Melling. No. 1,087,803; Feb. 17; Gaz. vol. 199; p. 870.
- Timing device. W. J. J. Zellin and F. P. Huyck. No. 1,111,123; Sept. 22; Gaz. vol. 206; p. 925.
- Timing mechanism. B. C. Batcheller. No. 1,087,630; Feb. 17; Gaz. vol. 199; p. 810.
- Timing mechanism. H. C. Nicholas. No. 1,107,176; Aug. 11; Gaz. vol. 205; p. 599.
- Timepiece. C. H. Miller. No. 1,100,840; June 23; Gaz. vol. 203; p. 982.
- Timepiece escapement mechanism. F. H. Corthell. No. 1,107,410; Aug. 18; Gaz. vol. 205; p. 731.
- Timepieces, Cannon-pinion for. E. H. Horn. No. 1,104,422; July 21; Gaz. vol. 204; p. 850.
- Timepieces, Mounting pivot-bearings for. O. Ohlson. No. 1,104,700; July 21; Gaz. vol. 204; p. 947.
- Timpano-support. D. M. Wright. No. 1,104,236; July 21; Gaz. vol. 204; p. 786.
- Tin from tin-scrap and other materials containing tin, Obtaining tetrachlorid of. P. Wolff. No. 1,087,523; Feb. 17; Gaz. vol. 199; p. 772.
- Tin from phosphate liquors used in weighting silk, Removing. E. Meili. No. 1,094,671; Apr. 28; Gaz. vol. 201; p. 1003.
- Tin from waste tinned metal, Obtaining the. G. Von der Linde. No. 1,116,176; Nov. 3; Gaz. vol. 208; p. 243.
- Tin-opening device. F. Schönfeld. No. 1,102,962; July 7; Gaz. vol. 204; p. 256.
- Tin or can for hams or like articles of food. A. Meyer. No. 1,089,067; Mar. 3; Gaz. vol. 200; p. 134.
- Tin, Recovering. W. Hoskins. No. 1,088,422; Feb. 24; Gaz. vol. 199; p. 1128.
- Tin-sheet-doubling machine. W. L. Jenkins. No. 1,090,786; Mar. 17; Gaz. vol. 200; p. 813.
- Tin tetrachlorid, Producing. P. Wolff. No. 1,087,522; Feb. 17; Gaz. vol. 199; p. 772.
- Tinning or galvanizing machines, Feed mechanism for. L. Jones. No. 1,117,578; Nov. 17; Gaz. vol. 208; p. 815.
- Tinsmith's furnace. C. J. Johnson. No. 1,088,230; Feb. 24; Gaz. vol. 199; p. 1064.
- Tipping-machine. C. F. Colbert. No. 1,111,006; Sept. 22; Gaz. vol. 206; p. 885.
- Tipping-machine. G. A. Marsh. No. 1,111,162; Sept. 22; Gaz. vol. 206; p. 939.
- Tipping-machine. C. H. Mattice. No. 1,122,968; Dec. 29; Gaz. vol. 209; p. 1574.
- Tire. J. P. Attaway. No. 1,091,270; Mar. 24; Gaz. vol. 200; p. 1013.
- Tire. A. Beler. No. 1,095,955; May 5; Gaz. vol. 202; p. 264.
- Tire. H. A. Brandenburger. No. 1,122,249; Dec. 29; Gaz. vol. 209; p. 1325.
- Tire. C. E. Bright. No. 1,090,195; Mar. 17; Gaz. vol. 200; p. 612.
- Tire. J. W. and G. F. Burgess. No. 1,115,389; Oct. 27; Gaz. vol. 207; p. 1177.
- Tire. F. S. Byington. No. 1,085,376; Jan. 27; Gaz. vol. 198; p. 806.
- Tire. J. Cairns. No. 1,091,287; Mar. 24; Gaz. vol. 200; p. 1018.
- Tire. H. Cooney and O. E. Wiltsie. No. 1,085,545; Jan. 27; Gaz. vol. 198; p. 860.

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- Tire. W. Drabold and A. P. Mott. No. 1,104,783; July 28; Gaz. vol. 204; p. 1024.
- Tire. L. H. Ferguson. No. 1,091,316; Mar. 24; Gaz. vol. 200; p. 1027.
- Tire. L. H. Ferguson. No. 1,092,119; Mar. 31; Gaz. vol. 200; p. 1344.
- Tire. C. Gaul. No. 1,095,846; May 5; Gaz. vol. 202; p. 229.
- Tire. H. J. Griswold. No. 1,088,820; Mar. 3; Gaz. vol. 200; p. 50.
- Tire. M. Hallanan. No. 1,092,353; Apr. 7; Gaz. vol. 201; p. 79.
- Tire. E. J. Hemington. No. 1,109,066; Sept. 1; Gaz. vol. 206; p. 74.
- Tire. E. R. Hewitt. No. 1,110,541; Sept. 15; Gaz. vol. 206; p. 678.
- Tire. F. Keller and H. Cogan. No. 1,104,426; July 21; Gaz. vol. 204; p. 851.
- Tire. A. V. Kiser. No. 1,118,496; Nov. 24; Gaz. vol. 208; p. 1178.
- Tire. F. W. Kremer. No. 1,099,454; June 9; Gaz. vol. 203; p. 416.
- Tire. A. D. Laurent. No. 1,109,427; Sept. 1; Gaz. vol. 206; p. 203.
- Tire. C. M. Lloyd. No. 1,084,864; Jan. 20; Gaz. vol. 198; p. 595.
- Tire. J. McNamee. No. 1,084,025; Jan. 13; Gaz. vol. 198; p. 284.
- Tire. H. E. Mitchell. No. 1,113,036; Oct. 6; Gaz. vol. 207; p. 216.
- Tire. W. J. Peterson. No. 1,115,015; Oct. 27; Gaz. vol. 207; p. 1049.
- Tire. G. Restucci. No. 1,088,930; Mar. 3; Gaz. vol. 200; p. 88.
- Tire. P. Richter. No. 1,083,632; Jan. 6; Gaz. vol. 198; p. 124.
- Tire. H. C. Seipp. No. 1,098,364; May 26; Gaz. vol. 202; p. 1224.
- Tire. S. A. Sherman and J. Stiveson. No. 1,120,552; Dec. 8; Gaz. vol. 209; p. 610.
- Tire. J. E. Smith. No. 1,086,947; Feb. 10; Gaz. vol. 199; p. 522.
- Tire. R. E. Sturman. No. 1,094,034; Apr. 21; Gaz. vol. 201; p. 724.
- Tire. L. Warfield. No. 1,086,876; Feb. 10; Gaz. vol. 199; p. 499.
- Tire. H. A. Wheeling. No. 1,104,158; July 21; Gaz. vol. 204; p. 759.
- Tire. E. W. Wilson. No. 1,091,176; Mar. 24; Gaz. vol. 200; p. 981.
- Tire. H. Wood. No. 1,100,810; June 23; Gaz. vol. 203; p. 971.
- Tire. G. Yantis. No. 1,104,599; July 21; Gaz. vol. 204; p. 914.
- Tire alarm, Pneumatic. J. B. Polo. No. 1,091,016; Mar. 24; Gaz. vol. 200; p. 926.
- Tire and fastener therefor, Pneumatic. J. A. Leach, Jr. No. 1,090,727; Mar. 17; Gaz. vol. 200; p. 794.
- Tire and felly, Combined. L. Beckham. No. 1,110,527; Sept. 15; Gaz. vol. 206; p. 674.
- Tire appliance, Non-skidding. L. S. Norbury. No. 1,109,699; Sept. 8; Gaz. vol. 206; p. 339.
- Tire-armor. N. Anderson. No. 1,086,696; Feb. 10; Gaz. vol. 199; p. 435.
- Tire-armor. J. W. Beck. No. 1,121,322; Dec. 15; Gaz. vol. 209; p. 927.
- Tire-armor. M. J. Broderick. No. 1,100,950; June 23; Gaz. vol. 203; p. 1022.
- Tire-armor. J. J. Bukolt. No. 1,118,264; Nov. 24; Gaz. vol. 208; p. 1093.
- Tire-armor. J. Coan. No. 1,103,396; July 14; Gaz. vol. 204; p. 453.
- Tire-armor. A. Maroschek. No. 1,122,017; Dec. 22; Gaz. vol. 209; p. 1207.
- Tire-armor. G. Melnik. No. 1,114,787; Oct. 27; Gaz. vol. 207; p. 967.
- Tire-armor. A. L. Powell. No. 1,098,588; June 2; Gaz. vol. 203; p. 81.
- Tire-armor, Composition for coating. H. A. Brandenburger. No. 1,122,248; Dec. 29; Gaz. vol. 209; p. 1325.
- Tire armor, Pneumatic. C. Matson. No. 1,087,312; Feb. 17; Gaz. vol. 199; p. 698.
- Tire armor, Pneumatic. R. C. Purvis. No. 1,112,030; Sept. 29; Gaz. vol. 206; p. 1273.
- Tire, Armored. H. S. Stansbury. No. 1,119,894; Dec. 8; Gaz. vol. 209; p. 377.
- Tire, Armored pneumatic. J. E. Lee. No. 1,086,924; Feb. 10; Gaz. vol. 199; p. 515.
- Tire, Armored resilient. A. Crowe and R. W. Kidston. No. 1,094,307; Apr. 21; Gaz. vol. 201; p. 814.
- Tire-attaching means for use on wheels of bicycles, motorcycles, automobiles, and flying-machines, Elastic. M. E. Brooke. No. 1,117,318; Nov. 17; Gaz. vol. 208; p. 725.
- Tire attachment. C. Seewald. No. 1,109,307; Sept. 1; Gaz. vol. 206; p. 159.
- Tire attachment, Auxiliary. C. E. Legge. No. 1,101,457; June 23; Gaz. vol. 203; p. 1194.
- Tire, Automobile. C. J. Butts. No. 1,083,798; Jan. 6; Gaz. vol. 198; p. 177.
- Tire, Automobile. C. R. Cooper. No. 1,117,977; Nov. 24; Gaz. vol. 208; p. 995.
- Tire, Automobile. W. E. Delehanty. No. 1,085,408; Jan. 27; Gaz. vol. 198; p. 817.
- Tire, Automobile. J. L. Gish. No. 1,118,122; Nov. 24; Gaz. vol. 208; p. 1047.
- Tire, Automobile. C. F. Kernan. No. 1,107,672; Aug. 18; Gaz. vol. 205; p. 824.
- Tire, Automobile. E. G. McDill. No. 1,091,005; Mar. 24; Gaz. vol. 200; p. 921.
- Tire, Automobile wheel. L. S. Flatau. No. 1,116,256; Nov. 3; Gaz. vol. 208; p. 269.
- Tire-band, Metal. T. Higgins. No. 1,091,573; Mar. 31; Gaz. vol. 200; p. 1157.
- Tire-bead-making machine. W. C. Stevens. No. 1,100,451; June 16; Gaz. vol. 203; p. 796.
- Tire-beads, Making. W. C. Stevens. No. 1,122,813; Dec. 29; Gaz. vol. 209; p. 1520.
- Tire-body construction. P. E. Wirt. No. 1,096,659; May 12; Gaz. vol. 202; p. 541.
- Tire-boot. W. F. O'Neill. No. 1,108,389; Aug. 25; Gaz. vol. 205; p. 1121.
- Tire-bracket. W. C. Sly. No. 1,111,189; Sept. 22; Gaz. vol. 206; p. 949.
- Tire-carrier. T. I. Duffy. No. 1,092,811; Apr. 7; Gaz. vol. 201; p. 236.
- Tire-carrier and lamp-supporting bracket. T. I. Duffy. No. 1,104,173; July 21; Gaz. vol. 204; p. 765.
- Tire-carrier bracket. T. I. Duffy. No. 1,092,566; Apr. 7; Gaz. vol. 201; p. 152.
- Tire-casing. W. Bryant and J. J. McCann. No. 1,114,443; Oct. 20; Gaz. vol. 207; p. 795.
- Tire-casing-repair device, Pneumatic. J. N. Newsom. No. 1,084,895; Jan. 20; Gaz. vol. 198; p. 604.
- Tire-casing tool. A. A. Nelson. No. 1,116,468; Nov. 10; Gaz. vol. 208; p. 382.
- Tire-casings, Machine for making. F. B. Converse and F. A. Kress. No. 1,114,732; Oct. 27; Gaz. vol. 207; p. 947.
- Tire-chain. F. P. Larson. No. 1,098,043; May 26; Gaz. vol. 202; p. 1113.
- Tire-chain attachment. M. Bodenstein. No. 1,123,076; Dec. 29; Gaz. vol. 209; p. 1612.
- Tire, Combined elastic and pneumatic. F. H. Wilbur. No. 1,088,860; Mar. 3; Gaz. vol. 200; p. 64.
- Tire compound. H. Santrock. No. 1,108,399; Aug. 25; Gaz. vol. 205; p. 1124.
- Tire construction. J. H. Clune. No. 1,098,017; May 26; Gaz. vol. 202; p. 1105.
- Tire construction. H. W. Dyer. No. 1,090,605; Mar. 17; Gaz. vol. 200; p. 756.
- Tire construction. R. Strong. No. 1,117,530; Nov. 17; Gaz. vol. 208; p. 798.
- Tire, Convertible. R. Wright. No. 1,105,121; July 28; Gaz. vol. 204; p. 1141.
- Tire-core, Expandible collapsible. L. Greenwald. No. 1,106,506; Aug. 11; Gaz. vol. 205; p. 366.
- Tire core, Resilient-wheel. F. V. Roessel and C. H. Franks. No. 1,113,912; Oct. 13; Gaz. vol. 207; p. 566.
- Tire-covers, Manufacturing. G. W. Bell. No. 1,096,487; May 12; Gaz. vol. 202; p. 483.
- Tire, Cushion. J. C. Schleicher. No. 1,086,228; Feb. 3; Gaz. vol. 199; p. 229.
- Tire, Cushion. S. G. Swendson. No. 1,122,553; Dec. 29; Gaz. vol. 209; p. 1427.
- Tire, Cushioned pneumatic. J. A. Meunier. No. 1,115,082; Oct. 27; Gaz. vol. 207; p. 1073.
- Tire-cuts, Tool for spreading. W. Petersen. No. 1,090,564; Mar. 17; Gaz. vol. 200; p. 741.
- Tire-cutting machine, Rubber. A. Greenwell. No. 1,090,297; Mar. 17; Gaz. vol. 200; p. 648.
- Tire detector, Deflated. H. C. Quick. No. 1,115,022; Oct. 27; Gaz. vol. 207; p. 1051.
- Tire, Elastic metal. G. E. Dargatz. No. 1,087,731; Feb. 17; Gaz. vol. 199; p. 847.
- Tire, Emergency. C. G. Dabelstein. No. 1,095,386; May 5; Gaz. vol. 202; p. 72.
- Tire, Emergency. S. Davidson. No. 1,110,904; Sept. 15; Gaz. vol. 206; p. 807.
- Tire-fastener, Detachable. J. D. Bowne. No. 1,088,200; Feb. 24; Gaz. vol. 199; p. 1054.
- Tire-fastening. J. P. A. Pearson. No. 1,093,071; Apr. 14; Gaz. vol. 201; p. 359.
- Tire-fastening device. R. C. Wall. No. 1,087,618; Feb. 17; Gaz. vol. 199; p. 806.
- Tire-fastening means. F. F. Kirchner. No. 1,119,172; Dec. 1; Gaz. vol. 209; p. 95.
- Tire-fastening means for vehicle-wheels. J. L. Cecil. No. 1,100,534; June 16; Gaz. vol. 203; p. 823.
- Tire-filler. W. E. Graves. No. 1,104,886; July 28; Gaz. vol. 204; p. 1061.
- Tire-filling, Resilient. S. M. Beery. No. 1,106,769; Aug. 11; Gaz. vol. 205; p. 458.
- Tire for automobile and other vehicle wheels, Resilient. J. J. A. Miller. No. 1,104,817; July 28; Gaz. vol. 204; p. 1037.
- Tire for automobiles or similar use, Emergency. S. C. Rand. No. 1,095,287; May 5; Gaz. vol. 202; p. 39.

Alphabetical list of inventions—Continued.

- Tire for motor-cars and other vehicles, Resilient. H. Diamant. No. 1,110,750; Sept. 15; Gaz. vol. 206; p. 752.
- Tire for motor-vehicles, Spring-. E. E. Rouse. No. 1,122,540; Dec. 29; Gaz. vol. 209; p. 1423.
- Tire for road-vehicles. J. G. Stidder. No. 1,114,306; Oct. 20; Gaz. vol. 207; p. 746.
- Tire for road-vehicles, Wheel-. R. Reid. No. 1,116,120; Nov. 3; Gaz. vol. 208; p. 224.
- Tire for vehicle-wheels. F. Rose and A. Rae. No. 1,105,459; July 28; Gaz. vol. 204; p. 1263.
- Tire for vehicle-wheels, Resilient. G. Concato. No. 1,110,672; Sept. 15; Gaz. vol. 206; p. 726.
- Tire for vehicle-wheels, Resilient. D. H. Donachy. No. 1,083,670; Jan. 6; Gaz. vol. 198; p. 136.
- Tire for vehicle-wheels, Spring-. J. W. Leonard. No. 1,090,996; Mar. 24; Gaz. vol. 200; p. 918.
- Tire for vehicle-wheels, Supplemental. C. Hastings. No. 1,102,914; July 7; Gaz. vol. 204; p. 240.
- Tire for vehicles and the like, Solid. D. Maggiora. No. 1,084,866; Jan. 20; Gaz. vol. 198; p. 595.
- Tire for vehicles, Cushioned. A. H. Henderson. No. 1,095,861; May 5; Gaz. vol. 202; p. 234.
- Tire for vehicles, Elastic. H. Hartmann. No. 1,104,797; July 28; Gaz. vol. 204; p. 1030.
- Tire for vehicles, Elastic. J. Spyker. No. 1,102,811; July 7; Gaz. vol. 204; p. 206.
- Tire for vehicles, Pneumatic. I. S. McGiehan. No. 1,110,451; Sept. 15; Gaz. vol. 206; p. 648.
- Tire for vehicles, Resilient. P. Lavelle. No. 1,088,596; Feb. 24; Gaz. vol. 199; p. 1184.
- Tire-grip. W. B. Lashar. No. 1,101,198; June 23; Gaz. vol. 203; p. 1107.
- Tire-heater. S. Klone. No. 1,117,401; Nov. 17; Gaz. vol. 208; p. 754.
- Tire-holder. R. A. Hruby. No. 1,108,843; Aug. 25; Gaz. vol. 205; p. 1277.
- Tire-holder. P. D. Schenck. No. 1,112,661; Oct. 6; Gaz. vol. 207; p. 90.
- Tire-holder. H. Tuttle. No. 1,106,755; Aug. 11; Gaz. vol. 205; p. 453.
- Tire-holder for automobiles, Rear. F. Lederer. No. 1,086,377; Feb. 10; Gaz. vol. 199; p. 323.
- Tire holder, Spare-. A. Freschl. No. 1,098,103; May 26; Gaz. vol. 202; p. 1134.
- Tire holder, Spare-. P. Morrissey. No. 1,085,873; Feb. 3; Gaz. vol. 199; p. 104.
- Tire-inflater. C. Ragan. No. 1,103,833; July 14; Gaz. vol. 204; p. 607.
- Tire-inflating apparatus. O. Ebert. No. 1,083,440; Jan. 6; Gaz. vol. 198; p. 61.
- Tire-inflating apparatus. F. A. Ruff. No. 1,098,173; May 26; Gaz. vol. 202; p. 1157.
- Tire-inflating device. H. Stahl. No. 1,115,122; Oct. 27; Gaz. vol. 207; p. 1087.
- Tire-inflating device to a road-vehicle wheel, Means for attaching a. R. Barnfather. No. 1,108,827; Aug. 25; Gaz. vol. 205; p. 1271.
- Tire-inflating system, Pneumatic-. C. P. McDowell and R. H. Easter. No. 1,083,847; Jan. 6; Gaz. vol. 198; p. 192.
- Tire-inflation means. L. Burggraf, Jr. No. 1,112,596; Oct. 6; Gaz. vol. 207; p. 66.
- Tire inner-tube protector, Self-adjusting. C. L. Witsaman. No. 1,096,980; May 19; Gaz. vol. 202; p. 696.
- Tire lock, Extra-. J. U. Barr. No. 1,097,608; May 26; Gaz. vol. 202; p. 957.
- Tire-making machine, Metal-. E. Einfeldt. No. 1,092,478; Apr. 7; Gaz. vol. 201; p. 123.
- Tire mold, Pneumatic-. G. E. Batcheller. No. 1,113,925; Oct. 13; Gaz. vol. 207; p. 571.
- Tire mold, Pneumatic-. N. W. McLeod and M. A. Dees. No. 1,114,280; Oct. 20; Gaz. vol. 207; p. 737.
- Tire mounting, Pneumatic-. E. K. Baker. No. 1,095,777; May 5; Gaz. vol. 202; p. 207.
- Tire, Non-puncturable pneumatic. E. F. Rolff. No. 1,083,562; Jan. 6; Gaz. vol. 198; p. 100.
- Tire, Non-skidding. C. T. Adams. No. 1,092,419; Apr. 7; Gaz. vol. 201; p. 102.
- Tire-patch. W. C. Howard. No. 1,096,535; May 12; Gaz. vol. 202; p. 499.
- Tire, Pneumatic. H. R. Armstrong. No. 1,109,101; Sept. 1; Gaz. vol. 206; p. 86.
- Tire, Pneumatic. J. H. Brown. No. 1,121,467; Dec. 15; Gaz. vol. 209; p. 976.
- Tire, Pneumatic. W. E. Copithorn. No. 1,121,070; Dec. 15; Gaz. vol. 209; p. 840.
- Tire, Pneumatic. M. A. Dees. No. 1,086,757; Feb. 10; Gaz. vol. 199; p. 457.
- Tire, Pneumatic. A. A. Dennis. No. 1,109,970; Sept. 8; Gaz. vol. 206; p. 436.
- Tire, Pneumatic. F. S. Dickinson. No. 1,115,514; Nov. 3; Gaz. vol. 208; p. 16.
- Tire, Pneumatic. A. Dow. No. 1,120,915; Dec. 15; Gaz. vol. 209; p. 786.
- Tire, Pneumatic. A. Dow. No. 1,120,916; Dec. 15; Gaz. vol. 209; p. 787.
- Tire, Pneumatic. L. Dunn. No. 1,109,972; Sept. 8; Gaz. vol. 206; p. 436.
- Tire, Pneumatic. S. E. Felge. No. 1,086,447; Feb. 10; Gaz. vol. 199; p. 348.
- Tire, Pneumatic. V. E. Freeman. No. 1,117,994; Nov. 24; Gaz. vol. 208; p. 1002.
- Tire, Pneumatic. H. B. Gillette. No. 1,100,726; June 23; Gaz. vol. 203; p. 942.
- Tire, Pneumatic. H. B. Gillette. No. 1,104,186; July 21; Gaz. vol. 204; p. 769.
- Tire, Pneumatic. H. B. Gillette. No. 1,121,917; Dec. 22; Gaz. vol. 209; p. 1171.
- Tire, Pneumatic. J. H. Gray. No. 1,120,052; Dec. 8; Gaz. vol. 209; p. 433.
- Tire, Pneumatic. H. F. Heycock. No. 1,101,930; June 30; Gaz. vol. 203; p. 1410.
- Tire, Pneumatic. H. F. Heycock. No. 1,103,877; July 14; Gaz. vol. 204; p. 623.
- Tire, Pneumatic. O. K. Hoppes. No. 1,115,430; Oct. 27; Gaz. vol. 207; p. 1192.
- Tire, Pneumatic. W. E. Muntz. No. 1,110,640; Sept. 15; Gaz. vol. 206; p. 714.
- Tire, Pneumatic. J. F. Palmer. No. 1,083,293; Jan. 6; Gaz. vol. 198; p. 12.
- Tire, Pneumatic. C. M. Papon. No. 1,104,824; July 28; Gaz. vol. 204; p. 1039.
- Tire, Pneumatic. J. Stungo. No. 1,106,748; Aug. 11; Gaz. vol. 205; p. 450.
- Tire, Pneumatic. S. J. Sydney. No. 1,123,034; Dec. 29; Gaz. vol. 209; p. 1598.
- Tire, Pneumatic or elastic. C. Burnett. No. 1,091,480; Mar. 31; Gaz. vol. 200; p. 1125.
- Tire, Pneumatic puncture-proof. F. Newbauer. No. 1,084,470; Jan. 13; Gaz. vol. 198; p. 430.
- Tire, Pneumatic vehicle-. J. J. Dittenhoefer. No. 1,089,913; Mar. 10; Gaz. vol. 200; p. 473.
- Tire pressure-gage and dust-cap, Pneumatic-. G. E. Traub. No. 1,091,780; Mar. 31; Gaz. vol. 200; p. 1229.
- Tire-pressure indicator and electric signal. C. C. Cleveland. No. 1,117,329; Nov. 17; Gaz. vol. 208; p. 729.
- Tire-protective rivet. E. B. Stimpson. No. 1,091,981; Mar. 31; Gaz. vol. 200; p. 1298.
- Tire-protector. R. Bowen and W. F. Sweeney. No. 1,109,278; Sept. 1; Gaz. vol. 206; p. 149.
- Tire-protector. V. L. Bowman. No. 1,112,353; Sept. 29; Gaz. vol. 206; p. 1386.
- Tire-protector. J. J. Corcoran. No. 1,121,071; Dec. 15; Gaz. vol. 209; p. 840.
- Tire-protector. L. E. Frye. No. 1,104,181; July 21; Gaz. vol. 204; p. 768.
- Tire-protector. L. S. Gill. No. 1,086,815; Feb. 10; Gaz. vol. 199; p. 477.
- Tire-protector. J. E. and L. Goodman. No. 1,086,523; Feb. 10; Gaz. vol. 199; p. 375.
- Tire-protector. A. S. La Hatte. No. 1,113,448; Oct. 13; Gaz. vol. 207; p. 405.
- Tire-protector. F. Holik. No. 1,084,434; Jan. 13; Gaz. vol. 198; p. 419.
- Tire-protector. W. Jacobson. No. 1,089,222; Mar. 3; Gaz. vol. 200; p. 189.
- Tire-protector. D. G. Mitchell. No. 1,093,455; Apr. 14; Gaz. vol. 201; p. 490.
- Tire-protector. P. A. Normandin. No. 1,116,725; Nov. 10; Gaz. vol. 208; p. 477.
- Tire-protector. C. A. Pettie. No. 1,111,404; Sept. 22; Gaz. vol. 206; p. 1021.
- Tire-protector. A. Riemann. No. 1,111,095; Sept. 22; Gaz. vol. 206; p. 915.
- Tire-protector. M. T. K. Rosenow. No. 1,102,084; June 30; Gaz. vol. 203; p. 1466.
- Tire-protector. F. Wyllys. No. 1,094,827; Apr. 28; Gaz. vol. 201; p. 1058.
- Tire-protector, Automobile. N. H. Miller. No. 1,091,373; Mar. 24; Gaz. vol. 200; p. 1045.
- Tire protector, Inflatable-. C. E. Myers. No. 1,117,691; Nov. 17; Gaz. vol. 208; p. 856.
- Tire-pump connection. C. H. Newton. No. 1,120,228; Dec. 8; Gaz. vol. 209; p. 495.
- Tire-puncture detector. J. W. Anderson. No. 1,111,985; Sept. 29; Gaz. vol. 206; p. 1259.
- Tire-puncture-healing liquid. J. Simoni. No. 1,109,151; Sept. 1; Gaz. vol. 206; p. 104.
- Tire-remover. A. J. Adamek. No. 1,120,658; Dec. 15; Gaz. vol. 209; p. 695.
- Tire-repair device, Pneumatic-. T. W. Vickers. No. 1,115,622; Nov. 3; Gaz. vol. 208; p. 52.
- Tire-repair patch. J. H. Marvil of V. No. 1,102,939; July 7; Gaz. vol. 204; p. 248.
- Tire repair-tool, Pneumatic-. E. E. Miller. No. 1,095,283; May 5; Gaz. vol. 202; p. 38.
- Tire-repairing tool. P. E. Erickson. No. 1,104,642; July 21; Gaz. vol. 204; p. 927.
- Tire, Resilient. N. L., R. P., and J. F. Baker. No. 1,088,053; Feb. 24; Gaz. vol. 199; p. 1003.
- Tire, Resilient. H. Capdevielle. No. 1,089,044; Mar. 3; Gaz. vol. 200; p. 127.
- Tire, Resilient. D. H. Deery. No. 1,084,731; Jan. 20; Gaz. vol. 198; p. 549.
- Tire, Resilient. C. Fendels. No. 1,110,538; Sept. 15; Gaz. vol. 206; p. 676.
- Tire, Resilient. J. Gaynor. No. 1,114,600; Oct. 20; Gaz. vol. 207; p. 848.
- Tire, Resilient. W. M. Heina. No. 1,106,302; Aug. 4; Gaz. vol. 205; p. 246.

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- Tire, Resilient. B. E. Leas. No. 1,086,923; Feb. 10; Gaz. vol. 199; p. 515.
- Tire, Resilient. T. C. Papadopoulos. No. 1,106,238; Aug. 4; Gaz. vol. 205; p. 226.
- Tire, Resilient. W. Scace. No. 1,110,649; Sept. 15; Gaz. vol. 206; p. 717.
- Tire, Resilient. H. J. Sherrill. No. 1,097,682; May 26; Gaz. vol. 202; p. 984.
- Tire, Resilient. C. K. Stinson. No. 1,109,261; Sept. 1; Gaz. vol. 206; p. 144.
- Tire, Resilient. A. Tyler. No. 1,092,963; Apr. 14; Gaz. vol. 201; p. 323.
- Tire, Resilient. H. Wellstead. No. 1,087,474; Feb. 17; Gaz. vol. 199; p. 757.
- Tire, Resilient vehicle. L. P. Flock. No. 1,107,508; Aug. 18; Gaz. vol. 205; p. 765.
- Tire, Resilient vehicle. S. S. Krayner. No. 1,097,237; May 19; Gaz. vol. 202; p. 787.
- Tire, Resilient vehicle. W. M. Nevottl. No. 1,111,171; Sept. 22; Gaz. vol. 206; p. 942.
- Tire, Resilient wheel. T. B. Yeaman. No. 1,093,902; Apr. 21; Gaz. vol. 201; p. 681.
- Tire-retaining mechanism. M. and M. H. Rosenheimer. No. 1,119,991; Dec. 8; Gaz. vol. 209; p. 411.
- Tire-rim construction, Dual. F. H. Moyer. No. 1,116,464; Nov. 10; Gaz. vol. 208; p. 381.
- Tire-rim, Demountable. B. C. Ball and L. E. Younie. No. 1,109,816; Sept. 8; Gaz. vol. 206; p. 378.
- Tire-rim, Demountable. E. K. Baker. No. 1,095,778; May 5; Gaz. vol. 202; p. 207.
- Tire-rim, Demountable. F. M. Osborne. No. 1,095,349; May 5; Gaz. vol. 202; p. 60.
- Tire, Rubber. P. J. Ernenwein. No. 1,106,701; Aug. 11; Gaz. vol. 205; p. 433.
- Tire safety-valve, Pneumatic. E. A. Woodward. No. 1,116,528; Nov. 10; Gaz. vol. 208; p. 405.
- Tire-saving device, Auto. C. J. Fisk and E. Lindblom. No. 1,110,916; Sept. 15; Gaz. vol. 206; p. 811.
- Tire, Sectional cushion. J. H. and I. E. Bedell. No. 1,089,897; Mar. 10; Gaz. vol. 200; p. 468.
- Tire, Sectional pneumatic. J. C. Wilson. No. 1,093,672; Apr. 21; Gaz. vol. 201; p. 604.
- Tire, Sectional resilient. C. A. Marien. No. 1,089,489; Mar. 10; Gaz. vol. 200; p. 327.
- Tire-setting device. M. K. Bennett. No. 1,114,437; Oct. 20; Gaz. vol. 207; p. 793.
- Tire-setting device. H. A. Miner. No. 1,113,133; Oct. 6; Gaz. vol. 207; p. 248.
- Tire-shield. G. W. Smith. No. 1,122,652; Dec. 29; Gaz. vol. 209; p. 1462.
- Tire shield, Pneumatic. J. P. Quill. No. 1,109,784; Sept. 8; Gaz. vol. 206; p. 367.
- Tire-shoe. T. W. Cooper. No. 1,105,880; Aug. 4; Gaz. vol. 205; p. 102.
- Tire-shoe carrier, Pneumatic. D. L. Vaughan. No. 1,092,463; Apr. 7; Gaz. vol. 201; p. 118.
- Tire-shoe, Detachable. J. C. Fickes. No. 1,122,712; Dec. 29; Gaz. vol. 209; p. 1484.
- Tire-shoe, Non-skid. H. Strongson. No. 1,083,869; Jan. 6; Gaz. vol. 198; p. 199.
- Tire-shrinking implement. W. M. Best. No. 1,097,909; May 26; Gaz. vol. 202; p. 1067.
- Tire-shrinking machines, Wheel-holding attachment for. L. H. Burchett. No. 1,091,285; Mar. 24; Gaz. vol. 200; p. 1017.
- Tire-sleeve. F. Vitali. No. 1,114,556; Oct. 20; Gaz. vol. 207; p. 835.
- Tire, Soft-tread. J. W. Crusius. No. 1,099,282; June 9; Gaz. vol. 203; p. 355.
- Tire-spreading device. J. O. Stewart. No. 1,087,846; Feb. 17; Gaz. vol. 199; p. 884.
- Tire, Spring. H. J. Augustine. No. 1,084,056; Jan. 13; Gaz. vol. 198; p. 294.
- Tire, Spring. H. J. Augustine. No. 1,117,472; Nov. 17; Gaz. vol. 208; p. 779.
- Tire, Spring. H. B. Bryan. No. 1,109,198; Sept. 1; Gaz. vol. 206; p. 122.
- Tire, Spring. J. F. Ernst. No. 1,120,801; Dec. 15; Gaz. vol. 209; p. 744.
- Tire, Spring. H. S. Gover. No. 1,098,375; June 2; Gaz. vol. 203; p. 6.
- Tire, Spring. J. Kravcak. No. 1,109,995; Sept. 8; Gaz. vol. 206; p. 444.
- Tire, Spring. H. M. Lakoff. No. 1,101,702; June 30; Gaz. vol. 203; p. 1331.
- Tire, Spring. C. Scheuner. No. 1,099,722; June 9; Gaz. vol. 203; p. 508.
- Tire, Spring. I. J. Shifley. No. 1,116,939; Nov. 10; Gaz. vol. 208; p. 552.
- Tire, Spring. G. W. Van Steenburgh. No. 1,103,445; July 14; Gaz. vol. 204; p. 470.
- Tire, Supplemental. L. Zeman. No. 1,108,653; Aug. 25; Gaz. vol. 205; p. 1212.
- Tire-supporting receptacle. R. Eisenmann. No. 1,091,818; Mar. 31; Gaz. vol. 200; p. 1243.
- Tire-tool. G. W. Bryant. No. 1,093,825; Apr. 21; Gaz. vol. 201; p. 655.
- Tire-tool. J. W. Dyar. No. 1,098,488; June 2; Gaz. vol. 203; p. 46.
- Tire-tool. W. F. Edgington and A. Murray. No. 1,090,290; Mar. 17; Gaz. vol. 200; p. 645.
- Tire-tool. A. G. Johnson. No. 1,122,599; Dec. 29; Gaz. vol. 209; p. 1443.
- Tire-tool. A. Pass. No. 1,106,888; Aug. 11; Gaz. vol. 205; p. 499.
- Tire-tool. C. E. Speck. No. 1,100,032; June 16; Gaz. vol. 203; p. 650.
- Tire-tool, Automobile. W. J. Reid. No. 1,116,924; Nov. 10; Gaz. vol. 208; p. 547.
- Tire tread, Resilient. E. F. Edgecombe. No. 1,113,934; Oct. 13; Gaz. vol. 207; p. 574.
- Tire-trouble indicator, Pneumatic. F. H. Brunig. No. 1,096,526; May 12; Gaz. vol. 202; p. 497.
- Tire, Truck. H. V. Hollings. No. 1,106,812; Aug. 11; Gaz. vol. 205; p. 473.
- Tire, Truck. R. E. Jamieson. No. 1,096,721; May 12; Gaz. vol. 201; p. 561.
- Tire-trunk. J. Berg. No. 1,100,282; June 16; Gaz. vol. 203; p. 738.
- Tire-trunk. D. D. Minehart. No. 1,107,692; Aug. 18; Gaz. vol. 205; p. 831.
- Tire upsetter and shrinker. J. F. Boyd. No. 1,090,681; Mar. 17; Gaz. vol. 200; p. 780.
- Tire-valve. A. J. Seaman. No. 1,113,375; Oct. 13; Gaz. vol. 207; p. 379.
- Tire-valve. A. J. Seaman. No. 1,115,252; Oct. 27; Gaz. vol. 207; p. 1133.
- Tire valve, Pneumatic. E. Tessner. No. 1,114,937; Oct. 27; Gaz. vol. 207; p. 1021.
- Tire valves, Combined valve-cap and dust-guard for pneumatic. W. P. Hammond. No. 1,114,257; Oct. 20; Gaz. vol. 207; p. 729.
- Tire-valves, stay-bolts, or the like, Cap for. H. K. Raymond. No. 1,115,864; Nov. 3; Gaz. vol. 208; p. 135.
- Tire-valve tool. E. N. Haverfield. No. 1,091,839; Mar. 31; Gaz. vol. 200; p. 1251.
- Tire, Vehicle. G. V. Baillard. No. 1,101,828; June 30; Gaz. vol. 203; p. 1374.
- Tire, Vehicle. A. Ball. No. 1,109,159; Sept. 1; Gaz. vol. 206; p. 107.
- Tire, Vehicle. O. W. Britt. No. 1,103,478; July 14; Gaz. vol. 204; p. 482.
- Tire, Vehicle. R. B. Calcutt. No. 1,100,712; June 23; Gaz. vol. 203; p. 938.
- Tire, Vehicle. R. B. Calcutt. No. 1,104,774; July 28; Gaz. vol. 204; p. 1022.
- Tire, Vehicle. S. G. Carkhuff. No. 1,093,310; Apr. 14; Gaz. vol. 201; p. 444.
- Tire, Vehicle. J. T. Clark. No. 1,117,481; Nov. 17; Gaz. vol. 208; p. 782.
- Tire, Vehicle. J. D. Craft. No. 1,103,568; July 14; Gaz. vol. 204; p. 514.
- Tire, Vehicle. P. B. Dawson. No. 1,089,116; Mar. 3; Gaz. vol. 200; p. 152.
- Tire, Vehicle. C. H. De Voll. No. 1,090,838; Mar. 24; Gaz. vol. 200; p. 863.
- Tire, Vehicle. C. H. De Voll. No. 1,092,981; Apr. 14; Gaz. vol. 201; p. 328.
- Tire, Vehicle. J. W. Gannon and W. S. Weber. No. 1,118,757; Nov. 24; Gaz. vol. 208; p. 1267.
- Tire, Vehicle. G. Kelly. No. 1,096,842; May 19; Gaz. vol. 202; p. 646.
- Tire, Vehicle. O. Mussinan. No. 1,091,379; Mar. 24; Gaz. vol. 200; p. 1047.
- Tire, Vehicle. M. C. Overman. No. 1,092,078; Mar. 31; Gaz. vol. 200; p. 1329.
- Tire, Vehicle. M. D. Rucker. No. 1,106,113; Aug. 4; Gaz. vol. 205; p. 185.
- Tire, Vehicle. A. W. Savage. No. 1,090,169; Mar. 17; Gaz. vol. 200; p. 602.
- Tire, Vehicle. L. L. Savole and E. F. Genevay. No. 1,089,676; Mar. 10; Gaz. vol. 200; p. 392.
- Tire, Vehicle. C. Specht. No. 1,097,596; May 19; Gaz. vol. 202; p. 909.
- Tire, Vehicle. J. Stromeyer. No. 1,088,845; Mar. 3; Gaz. vol. 200; p. 59.
- Tire, Vehicle. C. A. Swinehart. No. 1,089,020; Mar. 3; Gaz. vol. 200; p. 118.
- Tire, Vehicle. C. A. Swinehart. No. 1,105,342; July 28; Gaz. vol. 204; p. 1220.
- Tire, Vehicle. W. J. Walters and W. Boyd. No. 1,120,348; Dec. 8; Gaz. vol. 209; p. 538.
- Tire, Vehicle wheel. E. B. Brown. No. 1,105,958; Aug. 4; Gaz. vol. 205; p. 130.
- Tire, Vehicle wheel. M. Clark. No. 1,090,450; Mar. 17; Gaz. vol. 200; p. 702.
- Tire, Vehicle wheel. M. Clark. No. 1,108,702; Aug. 25; Gaz. vol. 205; p. 1228.
- Tire, Vehicle wheel. M. Clark. No. 1,108,703; Aug. 25; Gaz. vol. 205; p. 1228.
- Tire, Vehicle wheel. I. M. Sartain. No. 1,102,690; July 7; Gaz. vol. 204; p. 163.
- Tire, Vehicle wheel. I. C. Terry. No. 1,098,191; May 26; Gaz. vol. 202; p. 1163.
- Tire-vulcanizing mold. M. A. Dees and N. W. McLeod. No. 1,114,236; Oct. 20; Gaz. vol. 207; p. 721.
- Tire, Wheel. W. H. Blake. No. 1,102,860; July 7; Gaz. vol. 204; p. 223.

Alphabetical list of inventions—Continued.

- Tire, Wheel-. W. E. Budd. No. 1,088,768; Mar. 3; Gaz. vol. 200; p. 32.
- Tire, Wheel-. G. W. Clayville and D. W. Davis. No. 1,108,704; Aug. 25; Gaz. vol. 205; p. 1229.
- Tire, Wheel-. H. W. Darr. No. 1,111,648; Sept. 22; Gaz. vol. 206; p. 1106.
- Tire, Wheel-. L. Duval. No. 1,109,973; Sept. 8; Gaz. vol. 206; p. 437.
- Tire, Wheel-. J. Kohler. No. 1,115,550; Nov. 3; Gaz. vol. 208; p. 29.
- Tire, Wheel-. A. A. Picard. No. 1,115,566; Nov. 3; Gaz. vol. 208; p. 34.
- Tire, Wheel-. M. Silva. No. 1,093,736; Apr. 21; Gaz. vol. 201; p. 626.
- Tire, Wheel-. H. F. Spelshouse. No. 1,096,467; May 12; Gaz. vol. 202; p. 476.
- Tire, Wheel-. A. M. Zimmers. No. 1,103,642; July 14; Gaz. vol. 204; p. 543.
- Tire-wrappers, Machine for inclosing cords in. E. W. Fothergill. No. 1,104,789; July 28; Gaz. vol. 204; p. 1027.
- Tire-wrapping machine. J. W. H. Dew. No. 1,116,806; Nov. 10; Gaz. vol. 208; p. 506.
- Tires, Air-pressure indicator for pneumatic. C. O. Brenner. No. 1,119,236; Dec. 1; Gaz. vol. 209; p. 116.
- Tires, Air-tube for pneumatic. W. R. Blowers. No. 1,083,584; Jan. 6; Gaz. vol. 198; p. 107.
- Tires, Air-valve for pneumatic. F. P. Root. No. 1,104,074; July 21; Gaz. vol. 204; p. 732.
- Tires, Apparatus for forming pneumatic. M. A. Dees. No. 1,117,803; Nov. 17; Gaz. vol. 208; p. 896.
- Tires, Apparatus for injecting liquids into pneumatic. J. J. Seaman. No. 1,115,589; Nov. 3; Gaz. vol. 208; p. 41.
- Tires, Automatic inflater for pneumatic. R. Connell. No. 1,091,040; Mar. 24; Gaz. vol. 200; p. 934.
- Tires, Automatic relief-valve for. V. O. Jarvis. No. 1,104,902; July 28; Gaz. vol. 204; p. 1067.
- Tires, Combined spreader and clamp for. S. E. Nold. No. 1,094,164; Apr. 21; Gaz. vol. 201; p. 769.
- Tires, Composition of matter for filling. A. J. Bishop. No. 1,099,336; June 9; Gaz. vol. 203; p. 376.
- Tires, Constructing. B. H. Divine. No. 1,084,409; Jan. 13; Gaz. vol. 198; p. 410.
- Tires, Constructing pneumatic. F. S. Dickenson. No. 1,115,409; Oct. 27; Gaz. vol. 207; p. 1185.
- Tires, Construction of vehicle. F. L. O. Wadsworth. No. 1,111,419; Sept. 22; Gaz. vol. 206; p. 1026.
- Tires, Demountable rim for pneumatic. W. E. Copithorn. No. 1,100,472; June 16; Gaz. vol. 203; p. 803.
- Tires, Demountable rim for resilient. C. W. Cramer. No. 1,095,385; May 5; Gaz. vol. 202; p. 72.
- Tires, Demountable rim for vehicle. P. B. Bosworth. No. 1,094,052; Apr. 21; Gaz. vol. 201; p. 730.
- Tires, Detachable cover for pneumatic. J. O. King. No. 1,119,831; Dec. 8; Gaz. vol. 209; p. 356.
- Tires, Detachable tread for pneumatic. L. F. C. Haas. No. 1,090,145; Mar. 17; Gaz. vol. 200; p. 593.
- Tires, Detector and alarm for pneumatic. S. W. Waterhouse. No. 1,096,408; May 12; Gaz. vol. 202; p. 457.
- Tires for motor-vehicles, Tubing for. J. L. Dabadie. No. 1,115,907; Nov. 3; Gaz. vol. 208; p. 150.
- Tires from the weight of automobiles, Apparatus for relieving. T. H. Sparks. No. 1,114,407; Oct. 20; Gaz. vol. 207; p. 781.
- Tires, Liner for. S. E. Covington. No. 1,088,543; Feb. 24; Gaz. vol. 199; p. 1168.
- Tires, Machine for inserting wires in the rim-engaging portion of solid. C. Kuentzel. No. 1,110,800; Sept. 15; Gaz. vol. 206; p. 769.
- Tires, Machine for making or building up pneumatic. J. E. and P. D. Thropp and A. De Laski. No. 1,119,326; Dec. 1; Gaz. vol. 209; p. 146.
- Tires, Making straight-side. W. C. Stevens. No. 1,101,103; June 23; Gaz. vol. 203; p. 1074.
- Tires, Making wheel-. E. Einfeldt. No. 1,092,477; Apr. 7; Gaz. vol. 201; p. 123.
- Tires, Manufacture of reinforced inner tubes of pneumatic. F. H. Hall. No. 1,094,325; Apr. 21; Gaz. vol. 201; p. 819.
- Tires, Manufacture of vehicle-. F. L. O. Wadsworth. No. 1,111,418; Sept. 22; Gaz. vol. 206; p. 1026.
- Tires, Means for automatically inflating pneumatic. A. L. McDonald and D. L. Middleton. No. 1,092,068; Mar. 31; Gaz. vol. 200; p. 1325.
- Tires, Metal tread for block-. C. E. Herman. No. 1,090,851; Mar. 24; Gaz. vol. 200; p. 868.
- Tires, Method of and apparatus for making. J. A. Swinehart. No. 1,122,333; Dec. 29; Gaz. vol. 209; p. 1353.
- Tires, Mileage-recorder for pneumatic. C. L. Clise and R. Mergeneier. No. 1,101,406; June 23; Gaz. vol. 203; p. 1177.
- Tires, Non-skid protector for. A. Wertepny. No. 1,113,391; Oct. 13; Gaz. vol. 207; p. 385.
- Tires, Non-skidding attachment for wheel-. G. A. Lyon. No. 1,115,221; Oct. 27; Gaz. vol. 207; p. 1123.
- Tires of motor-cars and other vehicles, Means for inflating pneumatic. N. A. Nielsen. No. 1,101,708; June 30; Gaz. vol. 203; p. 1332.
- Tires on wheels, Fixing rubber or other. T. K. Clark. No. 1,083,875; Jan. 6; Gaz. vol. 198; p. 200.
- Tires or the like, Inflating device for pneumatic. M. C. Schweinert and H. P. Kraft. No. 1,115,978; Nov. 3; Gaz. vol. 208; p. 175.
- Tires, Protective case for pneumatic. L. Dan. No. 1,086,653; Feb. 10; Gaz. vol. 199; p. 420.
- Tires, Puncture-proof inner lining for pneumatic. W. A. Ray. No. 1,097,820; May 26; Gaz. vol. 202; p. 1033.
- Tires, &c., Repair device for pneumatic. T. C. Dobbins. No. 1,102,017; June 30; Gaz. vol. 203; p. 1443.
- Tires, Repair-patch for pneumatic. V. P. Le Roy. No. 1,102,061; June 30; Gaz. vol. 203; p. 1458.
- Tires, Resilient filler for elastic vehicle-. C. S. Staten. No. 1,097,824; May 26; Gaz. vol. 202; p. 1034.
- Tires, Rim for pneumatic. B. Bradford. No. 1,090,114; Mar. 10; Gaz. vol. 200; p. 542.
- Tires, Safety-valve for pneumatic. H. J. Ruggles. No. 1,114,047; Oct. 20; Gaz. vol. 207; p. 652.
- Tires, Supplementary cover or band for pneumatic. E. Scott. No. 1,109,874; Sept. 8; Gaz. vol. 206; p. 400.
- Tires, Tube for pneumatic. W. A. Vail and O. E. Smith. No. 1,092,130; Mar. 31; Gaz. vol. 200; p. 1347.
- Tires, Valve for pneumatic. J. W. Taylor. No. 1,108,640; Aug. 25; Gaz. vol. 205; p. 1208.
- Titanic-oxid concentrate and producing the same. A. J. Rossi and L. E. Barton. No. 1,106,406; Aug. 11; Gaz. vol. 205; p. 327.
- Titanic oxid, Concentrating. A. J. Rossi and L. E. Barton. No. 1,106,407; Aug. 11; Gaz. vol. 205; p. 328.
- Titanic oxid from substances containing it and iron oxid, Concentrating. A. J. Rossi and L. E. Barton. No. 1,106,408; Aug. 11; Gaz. vol. 205; p. 328.
- Titanic oxid, Obtaining. A. J. Rossi and L. E. Barton. No. 1,106,409; Aug. 11; Gaz. vol. 205; p. 328.
- Titanic oxid, Obtaining. A. J. Rossi and L. E. Barton. No. 1,106,410; Aug. 11; Gaz. vol. 205; p. 328.
- Titanium carbid, Producing a compound containing. A. J. Rossi and W. F. Meredith. No. 1,094,022; Apr. 21; Gaz. vol. 201; p. 721.
- Titanium cyanonitrid, Producing. S. Peacock. No. 1,088,359; Feb. 24; Gaz. vol. 199; p. 1107.
- Title plate or label. T. J. Golden. No. 1,122,102; Dec. 22; Gaz. vol. 209; p. 1235.
- Toast-turner. H. B. Copeman. No. 1,108,552; Aug. 25; Gaz. vol. 205; p. 1178.
- Toast-turner. L. G. Copeman. No. 1,108,553; Aug. 25; Gaz. vol. 205; p. 1179.
- Toaster. L. G. Copeman. No. 1,108,554; Aug. 25; Gaz. vol. 205; p. 1179.
- Toaster. S. A. Wiltsie. No. 1,105,230; July 28; Gaz. vol. 204; p. 1180.
- Toaster and broiler, Electric. H. F. Kirkwood. No. 1,116,442; Nov. 10; Gaz. vol. 208; p. 373.
- Toasting machine, Marshmallow-. M. O. Spurgeon. No. 1,111,870; Sept. 29; Gaz. vol. 206; p. 1223.
- Tobacco, Apparatus for filling and heading hogsheads of. E. M. Hunter. No. 1,097,924; May 26; Gaz. vol. 202; p. 1071.
- Tobacco, Carding. N. and A. Du Briel. No. 1,107,047; Aug. 11; Gaz. vol. 205; p. 552.
- Tobacco-cutter. J. E. Arrants. No. 1,106,858; Aug. 11; Gaz. vol. 205; p. 489.
- Tobacco-cutter. T. C. Johnson. No. 1,119,610; Dec. 1; Gaz. vol. 209; p. 245.
- Tobacco-hanger. J. A. Atkins. No. 1,091,617; Mar. 31; Gaz. vol. 200; p. 1172.
- Tobacco-hanger. W. M. Hinson. No. 1,093,270; Apr. 14; Gaz. vol. 201; p. 429.
- Tobacco-lath holder. J. M. Zook. No. 1,116,966; Nov. 10; Gaz. vol. 208; p. 561.
- Tobacco-leaves, Bleaching. T. Oelenheinz. No. 1,086,306; Feb. 3; Gaz. vol. 199; p. 253.
- Tobacco-package. E. C. Berriman. No. 1,089,457; Mar. 10; Gaz. vol. 200; p. 315.
- Tobacco-package. T. M. Royal. No. 1,115,113; Oct. 27; Gaz. vol. 207; p. 1083.
- Tobacco-packaging machine. E. L. Bracy. No. 1,099,114; June 2; Gaz. vol. 203; p. 252.
- Tobacco, Packing. A. Falk. No. 1,117,015; Nov. 10; Gaz. vol. 208; p. 579.
- Tobacco-pipe. L. Demuth. No. 1,086,902; Feb. 10; Gaz. vol. 199; p. 507.
- Tobacco-pipe. N. Di Bianca. No. 1,109,207; Sept. 1; Gaz. vol. 206; p. 125.
- Tobacco-pipe. J. Donnelly. No. 1,115,412; Oct. 27; Gaz. vol. 207; p. 1186.
- Tobacco-pipe. G. B. Gilliland. No. 1,104,654; July 21; Gaz. vol. 204; p. 932.
- Tobacco-pipe. C. Haddad. No. 1,118,000; Nov. 24; Gaz. vol. 208; p. 1003.
- Tobacco-pipe. J. R. G. Ivey. No. 1,120,309; Dec. 8; Gaz. vol. 209; p. 523.
- Tobacco-pipe. F. J. Kieser. No. 1,100,377; June 16; Gaz. vol. 203; p. 770.
- Tobacco-pipe. J. H. Kirk. No. 1,120,061; Dec. 8; Gaz. vol. 209; p. 436.
- Tobacco-pipe. F. H. A. Moehlenbrock. No. 1,108,604; Aug. 25; Gaz. vol. 205; p. 1195.
- Tobacco-pipe. F. H. A. Moehlenbrock. No. 1,116,317; Nov. 3; Gaz. vol. 208; p. 289.
- Tobacco-pipe. F. T. Murata. No. 1,089,254; Mar. 3; Gaz. vol. 200; p. 198.

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- Tobacco-pipe. M. Neuman. No. 1,107,988; Aug. 18; Gaz. vol. 205; p. 932.
- Tobacco-pipe. E. Redfern. No. 1,103,837; July 14; Gaz. vol. 204; p. 608.
- Tobacco-pipe. J. H. Roth. No. 1,084,902; Jan. 20; Gaz. vol. 198; p. 605.
- Tobacco-pipe. E. E. Slaght. No. 1,107,716; Aug. 18; Gaz. vol. 205; p. 839.
- Tobacco-pipe. W. L. Wallace. No. 1,086,875; Feb. 10; Gaz. vol. 199; p. 499.
- Tobacco-pipe appliance. W. H. Baer. No. 1,088,513; Feb. 24; Gaz. vol. 199; p. 1158.
- Tobacco-pipe button. W. G. Gray. No. 1,097,713; May 26; Gaz. vol. 202; p. 995.
- Tobacco-pipe cleaner. W. E. Elam. No. 1,103,134; July 14; Gaz. vol. 204; p. 365.
- Tobacco-pipe cleaner. E. J. Tiffany. No. 1,120,566; Dec. 8; Gaz. vol. 209; p. 615.
- Tobacco-pipe cover. M. Jagemann. No. 1,103,361; July 14; Gaz. vol. 204; p. 443.
- Tobacco-pipe filler and pouch for use therewith. D. E. Norton. No. 1,104,068; July 21; Gaz. vol. 204; p. 729.
- Tobacco-pipe protector. F. E. Barnickle. No. 1,103,168; July 14; Gaz. vol. 204; p. 378.
- Tobacco-pipe stem. H. M. Browne. No. 1,102,865; July 7; Gaz. vol. 204; p. 225.
- Tobacco-press. C. C. Harris. No. 1,093,181; Apr. 14; Gaz. vol. 201; p. 399.
- Tobacco-press. J. R. Maxwell. No. 1,088,604; Feb. 24; Gaz. vol. 199; p. 1186.
- Tobacco-shears. J. A. Weaver. No. 1,091,607; Mar. 21; Gaz. vol. 200; p. 1168.
- Tobacco-stem-treating machine. F. Lauhoff. No. 1,099,260; June 9; Gaz. vol. 203; p. 348.
- Tobacco stemming and booking machine. J. T. McCloskey. No. 1,116,719; Nov. 10; Gaz. vol. 208; p. 474.
- Tobacco-stemming machine. R. J. Boltz. No. 1,100,948; June 23; Gaz. vol. 203; p. 1021.
- Tobacco-stemming machine. L. H. Gerding. No. 1,107,056; Aug. 11; Gaz. vol. 205; p. 555.
- Tobacco-stemming machine. L. H. Gerding and F. I. Billings. No. 1,113,115; Oct. 6; Gaz. vol. 207; p. 242.
- Tobacco-stemming machine. J. O. Morris. No. 1,087,039; Feb. 10; Gaz. vol. 199; p. 551.
- Tobacco-stemming machine. J. P. Scovill. No. 1,103,893; July 14; Gaz. vol. 204; p. 628.
- Tobacco-stemming machine. W. G. Woodcock, Jr. No. 1,103,641; July 14; Gaz. vol. 204; p. 542.
- Tobacco-stemming machines. Stripper-blade for. G. F. Eckart. No. 1,110,425; Sept. 15; Gaz. vol. 206; p. 638.
- Tobacco-stemming machines. Stripper mechanism for. G. F. Eckart. No. 1,110,426; Sept. 15; Gaz. vol. 206; p. 638.
- Tobacco, Treating. L. W. Lawrence and F. F. Bahnson. No. 1,113,902; Oct. 13; Gaz. vol. 207; p. 563.
- Tobacco, Treatment of. O. Hammerstein. No. 1,122,747; Dec. 29; Gaz. vol. 209; p. 1495.
- Toboggan, Life-boat. W. H. Wickham. No. 1,087,858; Feb. 17; Gaz. vol. 199; p. 888.
- Toe-binding apparatus. M. Brock. No. 1,109,660; Sept. 8; Gaz. vol. 206; p. 323.
- Toe-binding apparatus. J. Cavanagh. No. 1,084,311; Jan. 13; Gaz. vol. 198; p. 380.
- Toe-boxes, Repairing damaged. T. C. De Carmelo. No. 1,103,493; July 14; Gaz. vol. 204; p. 487.
- Toe-calk. J. H. Kieffer. No. 1,099,605; June 9; Gaz. vol. 203; p. 467.
- Toe-former, Preliminary. A. Bates. No. 1,117,630; Nov. 17; Gaz. vol. 208; p. 834.
- Toe-former, Preliminary. A. Bates. No. 1,117,631; Nov. 17; Gaz. vol. 208; p. 834.
- Toe-forming machine. S. S. Cameron. No. 1,114,445; Oct. 20; Gaz. vol. 207; p. 796.
- Toe-molding machine. A. Bates. No. 1,117,629; Nov. 17; Gaz. vol. 208; p. 833.
- Toe-straightening device. A. Pecorella. No. 1,098,397; June 2; Gaz. vol. 203; p. 14.
- Toggle and clip combination. J. F. Schoellkopf. No. 1,106,414; Aug. 11; Gaz. vol. 205; p. 330.
- Toggle-bolt. G. H. Merrill. No. 1,084,284; Jan. 13; Gaz. vol. 198; p. 370.
- Toggle-bolt. H. B. Newhall. No. 1,084,289; Jan. 13; Gaz. vol. 198; p. 372.
- Toilet appliance. P. Asztalos. No. 1,102,123; June 30; Gaz. vol. 203; p. 1480.
- Toilet article. J. Makowski. No. 1,118,482; Nov. 24; Gaz. vol. 208; p. 1155.
- Toilet article. D. O. Miller. No. 1,107,977; Aug. 18; Gaz. vol. 205; p. 928.
- Toilet article. T. Zdrodowski. No. 1,113,727; Oct. 13; Gaz. vol. 207; p. 502.
- Toilet-bowl, Sanitary. A. F. Morse. No. 1,091,154; Mar. 24; Gaz. vol. 200; p. 974.
- Toilet-bowls and the like, Sanitary attachment for. C. J. Wohlander. No. 1,091,265; Mar. 24; Gaz. vol. 200; p. 1012.
- Toilet-box. F. K. Smith. No. 1,095,744; May 5; Gaz. vol. 202; p. 195.
- Toilet-bracket. H. Weder, Sr., and C. H. Wolff. No. 1,108,043; Aug. 18; Gaz. vol. 205; p. 952.
- Toilet-comb. C. F. Karr. No. 1,088,588; Feb. 24; Gaz. vol. 199; p. 1182.
- Toilet device. G. E. Graham. No. 1,106,300; Aug. 4; Gaz. vol. 205; p. 245.
- Toilet fastener. G. P. Hummer. No. 1,095,636; May 5; Gaz. vol. 202; p. 158.
- Toilet or hair comb. C. Peterson. No. 1,094,013; Apr. 21; Gaz. vol. 201; p. 718.
- Toilet, Sanitary. C. D. Stomler. No. 1,116,753; Nov. 10; Gaz. vol. 208; p. 486.
- Toilet-seat cover, Sanitary. R. M. Hunter. No. 1,121,015; Dec. 15; Gaz. vol. 209; p. 820.
- Toilet-seat, Folding. H. L. Block. No. 1,089,040; Mar. 3; Gaz. vol. 200; p. 125.
- Toilet-seat, Sanitary. R. J. Troutman. No. 1,092,786; Apr. 7; Gaz. vol. 201; p. 227.
- Toilet-seats with paper, Apparatus for supplying. D. P. Jones. No. 1,100,376; June 16; Gaz. vol. 203; p. 770.
- Toilet vessel. B. W. Cook. No. 1,109,824; Sept. 8; Gaz. vol. 206; p. 382.
- Token-holder. T. L. Paine. No. 1,117,598; Nov. 17; Gaz. vol. 208; p. 821.
- Toll operating-circuits. E. E. Hinrichsen and J. F. Toomey. No. 1,097,861; May 26; Gaz. vol. 202; p. 1047.
- Tomato preserves and process of making same. G. Freichs. No. 1,119,263; Dec. 1; Gaz. vol. 209; p. 124.
- Tomato-scalding. T. H. Powers. No. 1,112,553; Oct. 6; Gaz. vol. 207; p. 50.
- Tones, Production of half-. J. V. Ranck. No. 1,108,849; Aug. 25; Gaz. vol. 205; p. 1279.
- Tongs. W. M. Brown. No. 1,111,561; Sept. 22; Gaz. vol. 206; p. 1075.
- Tongs. C. H. Frakes. No. 1,119,419; Dec. 1; Gaz. vol. 209; p. 180.
- Tongs. J. H. Kuhns. No. 1,115,215; Oct. 27; Gaz. vol. 207; p. 1121.
- Tongs. S. R. Parks. No. 1,119,532; Dec. 1; Gaz. vol. 209; p. 219.
- Tongs. J. S  n  gas. No. 1,116,852; Nov. 10; Gaz. vol. 208; p. 523.
- Tongs. J. W. Watson. No. 1,111,338; Sept. 22; Gaz. vol. 206; p. 999.
- Tongs. C. A. Williams. No. 1,121,783; Dec. 22; Gaz. vol. 209; p. 1123.
- Tongs, Adjustable. A. Beyer. No. 1,105,875; Aug. 4; Gaz. vol. 205; p. 101.
- Tongs, Blacksmith's. W. R. D. Hairston. No. 1,096,835; May 19; Gaz. vol. 202; p. 643.
- Tongs, Breaking-out. C. S. Wright. No. 1,114,663; Oct. 20; Gaz. vol. 207; p. 870.
- Tongs, Casting-. W. W. Wilkinson. No. 1,086,257; Feb. 3; Gaz. vol. 199; p. 238.
- Tongs, Electrically-heated waving-. L. Frey. No. 1,095,392; May 5; Gaz. vol. 202; p. 74.
- Tongs, Extension pipe-. W. Hosier. No. 1,092,050; Mar. 31; Gaz. vol. 200; p. 1319.
- Tongs, Fish-. R. Wiesenfeld. No. 1,095,054; Apr. 28; Gaz. vol. 201; p. 1135.
- Tongs, Fuse-. G. Roberts. No. 1,105,043; July 28; Gaz. vol. 204; p. 1114.
- Tongs, Lifting-. W. Randall. No. 1,111,322; Sept. 22; Gaz. vol. 206; p. 993.
- Tongs or forceps, Locking device for. H. Matte. No. 1,106,518; Aug. 11; Gaz. vol. 205; p. 370.
- Tongs, Pipe-. J. P. Johansson. No. 1,112,619; Oct. 6; Gaz. vol. 207; p. 75.
- Tongs, Pipe-. R. A. McLeod. No. 1,096,382; May 12; Gaz. vol. 202; p. 448.
- Tongs, Pipe-. J. D. Meredith. No. 1,104,530; July 21; Gaz. vol. 204; p. 890.
- Tongs, Pipe and casing. S. A. Guiberson, Jr. No. 1,112,604; Oct. 6; Gaz. vol. 207; p. 69.
- Tongs, Trapper's. J. H. Larramore. No. 1,091,356; Mar. 24; Gaz. vol. 200; p. 1040.
- Tongs, Waving-. L. Frey. No. 1,117,021; Nov. 10; Gaz. vol. 208; p. 581.
- Tongs, Weighing-. O. C. Ritz-Woller. No. 1,084,663; Jan. 20; Gaz. vol. 198; p. 523.
- Tongue, Adjustable. C. McLeod. No. 1,113,458; Oct. 13; Gaz. vol. 207; p. 409.
- Tongue, Adjustable. W. A. Watts. No. 1,091,990; Mar. 31; Gaz. vol. 200; p. 1301.
- Tongue, Adjustable wagon-. B. P. Hanson. No. 1,100,370; June 16; Gaz. vol. 203; p. 768.
- Tongue attachment, Vehicle. J. W. Ensor. No. 1,102,650; July 7; Gaz. vol. 204; p. 151.
- Tongue attachment, Vehicle. C. D. Jones. No. 1,100,572; June 16; Gaz. vol. 203; p. 835.
- Tongue-cap and neck-yoke coupling. J. E. Bennett. No. 1,096,013; May 12; Gaz. vol. 202; p. 322.
- Tongue-piece closures, Making and attaching. W. N. Horne. No. 1,085,610; Feb. 3; Gaz. vol. 199; p. 11.
- Tongue-support. J. Morrison. No. 1,091,377; Mar. 24; Gaz. vol. 200; p. 1046.
- Tongue-support. H. J. Owen. No. 1,112,719; Oct. 6; Gaz. vol. 207; p. 109.
- Tongue-support. P. H. Webber. No. 1,100,699; June 16; Gaz. vol. 203; p. 877.
- Tongue-supporter for vehicles. J. Jensen. No. 1,087,379; Feb. 17; Gaz. vol. 199; p. 722.

Alphabetical list of inventions—Continued.

- Tongue-switch. V. Angerer and A. B. Davenport, Jr. No. 1,084,525; Jan. 13; Gaz. vol. 198; p. 447.
- Tongue-switch. C. C. Chambers. No. 1,096,600; May 12; Gaz. vol. 202; p. 521.
- Tongue-switch. R. E. Einstein. No. 1,112,058; Sept. 29; Gaz. vol. 206; p. 1283.
- Tongue-switch. J. D. McPherson. No. 1,085,870; Feb. 3; Gaz. vol. 199; p. 103.
- Tongue-switch. E. H. Steedman. No. 1,090,822; Mar. 17; Gaz. vol. 200; p. 820.
- Tongue-switch. E. H. Steedman. No. 1,111,041; Sept. 22; Gaz. vol. 206; p. 896.
- Tongue, Vehicle-. B. Claypool. No. 1,084,789; Jan. 20; Gaz. vol. 198; p. 569.
- Tongues for agricultural implements, Draft-. M. W. Shogren. No. 1,093,488; Apr. 14; Gaz. vol. 201; p. 499.
- Tool. W. Albert. No. 1,106,857; Aug. 11; Gaz. vol. 205; p. 489.
- Tool. J. E. W. Boesch. No. 1,093,527; Apr. 14; Gaz. vol. 201; p. 512.
- Tool. F. L. Bostock. No. 1,109,507; Sept. 1; Gaz. vol. 206; p. 228.
- Tool. J. K. Champ. No. 1,101,165; June 23; Gaz. vol. 203; p. 1095.
- Tool. L. O. Corell. No. 1,117,167; Nov. 17; Gaz. vol. 208; p. 670.
- Tool. O. Z. Coutant. No. 1,089,112; Mar. 3; Gaz. vol. 200; p. 151.
- Tool. A. Desormeau and D. M. Dayton. No. 1,121,900; Dec. 22; Gaz. vol. 209; p. 1165.
- Tool. D. W. Edwards. No. 1,105,553; July 28; Gaz. vol. 204; p. 1294.
- Tool. L. S. Frost. No. 1,113,324; Oct. 13; Gaz. vol. 207; p. 360.
- Tool. F. S. Harrington. No. 1,119,596; Dec. 1; Gaz. vol. 209; p. 240.
- Tool. J. L. Hoffman. No. 1,088,990; Mar. 3; Gaz. vol. 200; p. 109.
- Tool. F. Johnson. No. 1,113,788; Oct. 13; Gaz. vol. 207; p. 523.
- Tool. S. C. Scantlebury. No. 1,096,319; May 12; Gaz. vol. 202; p. 427.
- Tool. J. J. Tobin. No. 1,095,687; Apr. 28; Gaz. vol. 201; p. 1008.
- Tool-actuating mechanism. A. Ball and H. H. Mercer. No. 1,116,206; Nov. 3; Gaz. vol. 208; p. 252.
- Tool-actuating mechanism. A. Ball and H. H. Mercer. No. 1,118,893; Nov. 24; Gaz. vol. 208; p. 1312.
- Tool, Adjustable. A. I. Jacobs. No. 1,092,650; Apr. 7; Gaz. vol. 201; p. 182.
- Tool, Adjustable. M. Miller. No. 1,103,808; July 14; Gaz. vol. 204; p. 599.
- Tool and bevel-gage, Combination. A. E. Blofeld. No. 1,103,344; July 14; Gaz. vol. 204; p. 438.
- Tool and holder therefor, Combination-. W. Soini. No. 1,086,000; Feb. 3; Gaz. vol. 199; p. 151.
- Tool attachment. F. W. White. No. 1,106,264; Aug. 4; Gaz. vol. 205; p. 234.
- Tool, Box-. W. Crandall. No. 1,085,800; Feb. 3; Gaz. vol. 199; p. 79.
- Tool-carrier. A. C. Parkhurst. No. 1,094,009; Apr. 21; Gaz. vol. 201; p. 717.
- Tool, Collapsing. I. B. Malaby. No. 1,102,937; July 7; Gaz. vol. 204; p. 248.
- Tool, Combination-. J. L. Eno. No. 1,117,558; Nov. 17; Gaz. vol. 208; p. 808.
- Tool, Combination-. H. P. Farrington. No. 1,107,276; Aug. 18; Gaz. vol. 205; p. 682.
- Tool, Combination-. P. F. Freytag. No. 1,096,782; May 12; Gaz. vol. 202; p. 581.
- Tool, Combination-. L. Kalina. No. 1,093,432; Apr. 14; Gaz. vol. 201; p. 482.
- Tool, Combination-. H. F. Schmitt. No. 1,122,426; Dec. 29; Gaz. vol. 209; p. 1383.
- Tool, Combination-. R. A. Simonson. No. 1,097,684; May 26; Gaz. vol. 202; p. 985.
- Tool, Combination-. L. B. Smith. No. 1,113,844; Oct. 13; Gaz. vol. 207; p. 543.
- Tool, Combination-. A. A. Towne. No. 1,084,176; Jan. 13; Gaz. vol. 198; p. 335.
- Tool, Combination traction-driven hand-. F. A. McDaniels. No. 1,115,854; Nov. 3; Gaz. vol. 208; p. 132.
- Tool, Compound. J. C. Dodson. No. 1,120,914; Dec. 15; Gaz. vol. 209; p. 786.
- Tool-coupling. J. H. Urschel. No. 1,096,650; May 12; Gaz. vol. 202; p. 538.
- Tool, Dovetail-. W. G. Strozier. No. 1,095,041; Apr. 28; Gaz. vol. 201; p. 1131.
- Tool-driver, Spiral. G. Plein. No. 1,107,701; Aug. 18; Gaz. vol. 205; p. 834.
- Tool-driver, Spiral. C. Wilder. No. 1,118,250; Nov. 24; Gaz. vol. 208; p. 1089.
- Tool-driving mechanism. J. M. Thompson. No. 1,104,747; July 21; Gaz. vol. 204; p. 963.
- Tool-feed device. B. D. Jackson. No. 1,100,885; June 23; Gaz. vol. 203; p. 997.
- Tool, Fluid-actuated. M. Maximilian. No. 1,089,243; Mar. 3; Gaz. vol. 200; p. 196.
- Tool, Fluid-actuated percussive. L. C. Bayles. No. 1,096,987; May 19; Gaz. vol. 202; p. 697.
- Tool, Fluid-operated. L. C. Bayles. No. 1,099,483; June 9; Gaz. vol. 203; p. 425.
- Tool, Fluid-operated. L. C. Bayles. No. 1,117,307; Nov. 17; Gaz. vol. 208; p. 722.
- Tool, Fluid-operated. L. W. Greve. No. 1,100,825; June 23; Gaz. vol. 203; p. 976.
- Tool, Fluid-operated percussive. C. H. Peck. No. 1,122,630; Dec. 29; Gaz. vol. 209; p. 1455.
- Tool, Fluid-pressure. L. C. Bayles and A. H. Taylor. No. 1,114,335; Oct. 20; Gaz. vol. 207; p. 756.
- Tool, Fluid-pressure-actuated. G. H. Gilman. No. 1,095,848; May 5; Gaz. vol. 202; p. 230.
- Tool, Fluid-pressure-operated hand-. L. C. Bayles. No. 1,091,112; Mar. 24; Gaz. vol. 200; p. 959.
- Tool-forming machine, Toric. C. W. Conner. No. 1,121,326; Dec. 15; Gaz. vol. 209; p. 928.
- Tool guide and holder. H. O. Brown. No. 1,086,508; Feb. 10; Gaz. vol. 199; p. 369.
- Tool, Hand-. J. H. Baldwin. No. 1,119,791; Dec. 8; Gaz. vol. 209; p. 342.
- Tool, Hand-. A. J. Croft. No. 1,100,474; June 16; Gaz. vol. 203; p. 804.
- Tool-handle. D. I. Garretson. No. 1,114,249; Oct. 20; Gaz. vol. 207; p. 726.
- Tool-handle. D. I. Garretson. No. 1,114,250; Oct. 20; Gaz. vol. 207; p. 727.
- Tool-handle. H. J. Kallinich. No. 1,118,493; Nov. 24; Gaz. vol. 208; p. 1178.
- Tool-handle. F. and W. E. Skelton. No. 1,110,149; Sept. 8; Gaz. vol. 206; p. 502.
- Tool-handle, Adjustable. O. H. Jacobson. No. 1,119,827; Dec. 8; Gaz. vol. 209; p. 354.
- Tool-handle connection. R. E. Alcorn. No. 1,105,599; Aug. 4; Gaz. vol. 205; p. 4.
- Tool-holder. G. Amborn. No. 1,090,810; Mar. 17; Gaz. vol. 200; p. 822.
- Tool-holder. G. Amborn. No. 1,110,281; Sept. 8; Gaz. vol. 206; p. 547.
- Tool-holder. G. Amborn. No. 1,120,782; Dec. 15; Gaz. vol. 209; p. 738.
- Tool-holder. G. Amborn. No. 1,120,783; Dec. 15; Gaz. vol. 209; p. 739.
- Tool-holder. P. A. Burlog. No. 1,092,971; Apr. 14; Gaz. vol. 201; p. 325.
- Tool-holder. J. H. Franz. No. 1,108,733; Aug. 25; Gaz. vol. 205; p. 1239.
- Tool-holder. J. V. Fry. No. 1,104,980; July 28; Gaz. vol. 204; p. 1093.
- Tool-holder. W. A. Kelsey. No. 1,113,650; Oct. 13; Gaz. vol. 207; p. 474.
- Tool-holder. J. A. Ledoux. No. 1,109,343; Sept. 1; Gaz. vol. 206; p. 173.
- Tool-holder. O. H. Pieper. No. 1,120,530; Dec. 8; Gaz. vol. 209; p. 602.
- Tool-holder. W. C. Stephenson. No. 1,104,014; July 21; Gaz. vol. 204; p. 710.
- Tool-holder. A. H. Stevens. No. 1,106,745; Aug. 11; Gaz. vol. 205; p. 449.
- Tool-holder. H. Turner. No. 1,103,164; July 14; Gaz. vol. 204; p. 376.
- Tool-holder. E. J. White. No. 1,092,615; Apr. 7; Gaz. vol. 201; p. 170.
- Tool-holder. F. A. White. No. 1,096,977; May 19; Gaz. vol. 202; p. 694.
- Tool holder, Combination-. W. L. Hanc. No. 1,088,569; Feb. 24; Gaz. vol. 199; p. 1176.
- Tool holder, Multiple-. T. Davis. No. 1,113,882; Oct. 13; Gaz. vol. 207; p. 557.
- Tool holder, Multiple-. W. Schellenbach and W. Lodge. No. 1,098,688; June 2; Gaz. vol. 203; p. 114.
- Tool holder, Ratchet-. J. T. Barber. No. 1,091,791; Mar. 31; Gaz. vol. 200; p. 1233.
- Tool joint, Reinforcing drill-. H. H. Lewis. No. 1,101,805; June 30; Gaz. vol. 203; p. 1367.
- Tool machine, Multiple-. A. D. Ray. No. 1,084,231; Jan. 13; Gaz. vol. 198; p. 355.
- Tool, Mechanic's. A. J. Tobie. No. 1,113,261; Oct. 13; Gaz. vol. 207; p. 339.
- Tool members and blank for the same, Making threaded. W. S. Thomson. No. 1,118,073; Nov. 24; Gaz. vol. 208; p. 1029.
- Tool-operating device. F. C. Shelton. No. 1,116,137; Nov. 3; Gaz. vol. 208; p. 230.
- Tool-operating mechanism. H. R. Gilson. No. 1,090,471; Mar. 17; Gaz. vol. 200; p. 709.
- Tool, Percussion-. C. Pauli. No. 1,119,866; Dec. 8; Gaz. vol. 209; p. 367.
- Tool, Percussive. J. U. Adolph. No. 1,113,729; Oct. 13; Gaz. vol. 207; p. 502.
- Tool, Percussive. L. C. Bayles. No. 1,089,038; Mar. 3; Gaz. vol. 200; p. 124.
- Tool, Percussive. C. H. Haeseler. No. 1,093,048; Apr. 14; Gaz. vol. 201; p. 351.
- Tool, Pneumatic. G. Briegel. No. 1,105,876; Aug. 4; Gaz. vol. 205; p. 101.
- Tool, Pneumatic. J. F. Clement. (Reissue.) No. 13,826; Nov. 17; Gaz. vol. 208; p. 952.
- Tool, Pneumatic. H. S. Hunter. No. 1,102,271; July 7; Gaz. vol. 204; p. 17.

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- Tool, Pneumatic. H. E. Le Gendre. No. 1,083,369; Jan. 6; Gaz. vol. 198; p. 36.
- Tool, Pneumatic. F. J. Lewis. No. 1,117,679; Nov. 17; Gaz. vol. 208; p. 852.
- Tool, Pneumatic. O. W. Norberg. No. 1,107,179; Aug. 11; Gaz. vol. 205; p. 600.
- Tool, Pneumatic. E. M. Tobin. No. 1,086,955; Feb. 10; Gaz. vol. 199; p. 525.
- Tool, Pneumatic. L. L. Wagner. No. 1,091,447; Mar. 24; Gaz. vol. 200; p. 1069.
- Tool, Pneumatic cleaning-. R. L. Cooley. No. 1,102,142; June 30; Gaz. vol. 203; p. 1486.
- Tool, Pneumatically-operated percussive hand-. C. H. Stevens. No. 1,110,155; Sept. 8; Gaz. vol. 206; p. 503.
- Tool, Portable electrically-driven. J. A. Osborn. No. 1,117,140; Nov. 10; Gaz. vol. 208; p. 622.
- Tool, Portable pneumatic. E. I. Dodds. No. 1,090,603; Mar. 17; Gaz. vol. 200; p. 756.
- Tool, Pressure-developing pneumatic. J. L. Wagner. No. 1,093,302; Apr. 14; Gaz. vol. 201; p. 440.
- Tool-rack. R. S. Brown. No. 1,097,163; May 19; Gaz. vol. 202; p. 760.
- Tool-receiving case. C. G. Roth. No. 1,113,832; Oct. 13; Gaz. vol. 207; p. 539.
- Tool, Repair-. H. R. Hirst and D. Ungaro. No. 1,114,694; Oct. 20; Gaz. vol. 207; p. 880.
- Tool retainer, Pneumatic-. E. J. Shoffner. No. 1,099,670; June 9; Gaz. vol. 203; p. 489.
- Tool, Tool-maker's locating-. O. H. Wendt. No. 1,101,601; June 30; Gaz. vol. 203; p. 1297.
- Tool, Valveless percussive. L. C. Bayles. No. 1,102,317; July 7; Gaz. vol. 204; p. 33.
- Tools, Cover-support for abrading or polishing. A. Bates. No. 1,119,000; Dec. 1; Gaz. vol. 209; p. 34.
- Tools, Feeding mechanism for machine-. A. L. De Leeuw. No. 1,116,031; Nov. 3; Gaz. vol. 208; p. 193.
- Tools, Guard for edged. H. J. A. Conti. No. 1,109,044; Sept. 1; Gaz. vol. 206; p. 67.
- Tools, Means for clearing the surface of dirt-working. D. Garst. No. 1,122,584; Dec. 29; Gaz. vol. 209; p. 1437.
- Tooth. L. E. Evslin. No. 1,120,704; Dec. 15; Gaz. vol. 209; p. 711.
- Tooth. L. E. Evslin. No. 1,120,705; Dec. 15; Gaz. vol. 209; p. 711.
- Tooth. M. E. Merker. No. 1,109,080; Sept. 1; Gaz. vol. 206; p. 80.
- Tooth. M. E. Merker. No. 1,109,651; Sept. 1; Gaz. vol. 206; p. 280.
- Tooth, Artificial. G. L. Bienvenu. No. 1,112,252; Sept. 29; Gaz. vol. 206; p. 1352.
- Tooth, Artificial. A. E. Fallows. No. 1,089,201; Mar. 3; Gaz. vol. 200; p. 183.
- Tooth, Artificial. W. N. Kidder. No. 1,108,449; Aug. 25; Gaz. vol. 205; p. 1140.
- Tooth, Artificial. G. E. and J. G. Morningstar. No. 1,095,018; Apr. 28; Gaz. vol. 201; p. 1124.
- Tooth, Artificial. S. H. Pollock. No. 1,099,393; June 9; Gaz. vol. 203; p. 395.
- Tooth, Artificial. G. L. Wernet and H. A. Collett. No. 1,102,373; July 7; Gaz. vol. 204; p. 52.
- Tooth, Artificial. R. M. Withycombe. No. 1,105,476; July 28; Gaz. vol. 204; p. 1269.
- Tooth-bridge. F. Schreiber. No. 1,116,497; Nov. 10; Gaz. vol. 208; p. 394.
- Tooth-cleaning instrument. G. W. Swope and W. N. Bell. No. 1,083,770; Jan. 6; Gaz. vol. 198; p. 169.
- Tooth-crowns, Means for forming. F. O. Jaques, Jr. No. 1,121,016; Dec. 15; Gaz. vol. 209; p. 820.
- Tooth-filling anchor. J. V. Davis. No. 1,119,407; Dec. 1; Gaz. vol. 209; p. 176.
- Tooth-paste container. W. J. Clark. No. 1,084,537; Jan. 13; Gaz. vol. 198; p. 451.
- Tooth-paste-dispensing device. E. A. Ash. No. 1,098,008; May 26; Gaz. vol. 202; p. 1101.
- Tooth powder or paste, Hygienic dish for. B. F. Copp. No. 1,111,136; Sept. 22; Gaz. vol. 206; p. 930.
- Tooth-securing device, Cylinder-. A. Anderson. No. 1,095,951; May 5; Gaz. vol. 202; p. 263.
- Tooth-straightening appliance. A. G. Meier. No. 1,114,624; Oct. 20; Gaz. vol. 207; p. 856.
- Tooth to a bridge, Means for attaching an artificial. H. D. Morgan. No. 1,122,979; Dec. 29; Gaz. vol. 209; p. 1578.
- Toothpick, Floss. R. A. Sonn. No. 1,105,005; July 28; Gaz. vol. 204; p. 1101.
- Toothpick holder and vending machine. C. S. Woods. No. 1,122,456; Dec. 29; Gaz. vol. 209; p. 1394.
- Toothpick-machine. A. H. Hall. No. 1,100,431; June 16; Gaz. vol. 203; p. 790.
- Toothpicks, &c., Single-delivery holder for. R. C. Bryant. No. 1,085,574; Jan. 27; Gaz. vol. 198; p. 869.
- Top, Spinning-. G. F. Prendergast. No. 1,089,668; Mar. 10; Gaz. vol. 200; p. 389.
- Top. A. J. Cautin and W. Despins. No. 1,099,081; June 2; Gaz. vol. 203; p. 241.
- Top. R. Langstaff. No. 1,109,426; Sept. 1; Gaz. vol. 206; p. 203.
- Top. F. W. Preyer. No. 1,115,863; Nov. 3; Gaz. vol. 208; p. 135.
- Top. J. W. Wingert. No. 1,109,562; Sept. 1; Gaz. vol. 206; p. 246.
- Top-plate-lifting device. G. E. Pickup. No. 1,108,225; Aug. 25; Gaz. vol. 205; p. 1064.
- Top-roll saddle. E. Dixon. No. 1,087,734; Feb. 17; Gaz. vol. 199; p. 848.
- Top, Spinning-. W. A. Peters and C. L. Cruver. No. 1,101,953; June 30; Gaz. vol. 203; p. 1420.
- Top-spinning device. L. Barbalicz. No. 1,120,886; Dec. 15; Gaz. vol. 209; p. 775.
- Top-support bracket, Folding-. R. Huff. No. 1,090,538; Mar. 17; Gaz. vol. 200; p. 732.
- Topping-machine. V. O. Deyl. No. 1,096,695; May 12; Gaz. vol. 202; p. 552.
- Topping-machine. W. E. Smith. No. 1,116,637; Nov. 10; Gaz. vol. 208; p. 447.
- Topping-machine. W. E. Smith and H. C. Gelpel. No. 1,116,638; Nov. 10; Gaz. vol. 208; p. 447.
- Torch. H. Brousseau. No. 1,088,204; Feb. 24; Gaz. vol. 199; p. 1055.
- Torch. H. Brousseau. No. 1,114,706; Oct. 20; Gaz. vol. 207; p. 885.
- Torch. C. G. Filzer. No. 1,105,190; July 28; Gaz. vol. 204; p. 1165.
- Torch, Acetylene-. G. H. Dyer and J. W. Whitford. No. 1,099,973; June 16; Gaz. vol. 203; p. 630.
- Torch and cleaner, Combination spray-. G. Oliver and J. T. Boon. No. 1,099,613; June 9; Gaz. vol. 203; p. 469.
- Torch and torch-can. W. H. McNutt. No. 1,085,458; Jan. 27; Gaz. vol. 198; p. 832.
- Torch, Autogenous-welding. E. A. Miller. No. 1,091,525; Mar. 31; Gaz. vol. 200; p. 1141.
- Torch, Blow-. J. W. Johnston. No. 1,108,436; Aug. 25; Gaz. vol. 205; p. 1136.
- Torch, Blow-. J. W. Moore. No. 1,122,147; Dec. 22; Gaz. vol. 209; p. 1249.
- Torch, Cutting-. W. C. Bucknam. No. 1,097,526; May 19; Gaz. vol. 202; p. 885.
- Torch for gas-burners, Igniter-. J. F. Rutz and J. K. Lueth. (Reissue.) No. 13,732; May 19; Gaz. vol. 202; p. 916.
- Torch, Hand-. W. B. Sanford. No. 1,086,406; Feb. 10; Gaz. vol. 199; p. 333.
- Torch, Hydrocarbon blow-. J. L. Sheard and E. E. Dutton. No. 1,092,756; Apr. 7; Gaz. vol. 201; p. 217.
- Torch, Mosquito-. C. M. McGinley. No. 1,088,606; Feb. 24; Gaz. vol. 199; p. 1187.
- Torch, Oxyacetylene-. A. M. Baird. No. 1,116,204; Nov. 3; Gaz. vol. 208; p. 252.
- Torch, Oxyacetylene cutting-. P. F. Willis. No. 1,119,917; Dec. 8; Gaz. vol. 209; p. 385.
- Torch, Oxyacetylene welding-. P. F. Willis. No. 1,119,916; Dec. 8; Gaz. vol. 209; p. 385.
- Torch, Welding-. W. N. Bell. No. 1,121,457; Dec. 15; Gaz. vol. 209; p. 973.
- Torch, Welding-. J. Galbraith. No. 1,112,783; Oct. 6; Gaz. vol. 207; p. 130.
- Torch, Welding-. H. B. Hoover. No. 1,092,913; Apr. 14; Gaz. vol. 201; p. 306.
- Torch, Welding-. W. A. Mossman. No. 1,118,215; Nov. 24; Gaz. vol. 208; p. 1078.
- Torch, Welding-. E. G. Mueller. No. 1,105,290; July 28; Gaz. vol. 204; p. 1200.
- Torches, Appliance for hand-. J. A. Bowyer. No. 1,107,023; Aug. 11; Gaz. vol. 205; p. 544.
- Torpedo. G. P. Helfrich. No. 1,117,843; Nov. 17; Gaz. vol. 208; p. 910.
- Torpedo and fusee holder. S. S. Green. No. 1,105,420; July 28; Gaz. vol. 204; p. 1249.
- Torpedo, Automobile. F. M. Leavitt. No. 1,108,196; Aug. 25; Gaz. vol. 205; p. 1053.
- Torpedo, Automobile. F. E. Smith. No. 1,092,759; Apr. 7; Gaz. vol. 201; p. 218.
- Torpedo-driving mechanism. F. M. Leavitt. No. 1,088,080; Feb. 24; Gaz. vol. 199; p. 1013.
- Torpedo, Fiber-case railway-. F. Dutcher. No. 1,107,051; Aug. 11; Gaz. vol. 205; p. 553.
- Torpedo, Fiber-case railway signal-. F. Dutcher. No. 1,090,460; Mar. 17; Gaz. vol. 200; p. 706.
- Torpedo-firing mechanism. T. S. Bailey. No. 1,094,963; Apr. 28; Gaz. vol. 201; p. 1105.
- Torpedo-launching apparatus. G. C. Davison. No. 1,122,699; Dec. 29; Gaz. vol. 209; p. 1480.
- Torpedo-launching apparatus. G. C. Davison. No. 1,122,700; Dec. 29; Gaz. vol. 209; p. 1480.
- Torpedo-launching apparatus. T. M. Gunn. No. 1,097,623; May 26; Gaz. vol. 202; p. 962.
- Torpedo-launching apparatus. T. M. Gunn. No. 1,097,624; May 26; Gaz. vol. 202; p. 963.
- Torpedo-launching apparatus. T. M. Gunn. No. 1,097,625; May 26; Gaz. vol. 202; p. 963.
- Torpedo, Paper or fiber railway signal-. F. Dutcher. No. 1,090,459; Mar. 17; Gaz. vol. 200; p. 705.
- Torpedo, Rail-. B. G. Vinson. No. 1,085,830; Feb. 3; Gaz. vol. 199; p. 89.
- Torpedo, Railway-. C. B. Snyder. No. 1,102,966; July 7; Gaz. vol. 204; p. 257.
- Torpedo, Railway signal-. F. Dutcher. No. 1,090,458; Mar. 17; Gaz. vol. 200; p. 705.
- Torpedo, Railway signal-. F. Dutcher. No. 1,096,358; May 12; Gaz. vol. 202; p. 441.

Alphabetical list of inventions—Continued.

- Torpedo, Railway signal-. F. Dutcher. No. 1,102,887; July 7; Gaz. vol. 204; p. 232.
- Torpedo, Railway signal-. F. Dutcher. No. 1,102,888; July 7; Gaz. vol. 204; p. 232.
- Torpedo, Railway signal-. F. Dutcher. No. 1,102,889; July 7; Gaz. vol. 204; p. 232.
- Torpedo, Railway signal-. F. Dutcher. No. 1,107,050; Aug. 11; Gaz. vol. 205; p. 553.
- Torpedo, Self-propelling. R. Delaunay-Belleville. No. 1,098,786; June 2; Gaz. vol. 203; p. 146.
- Torpedo-setting device. R. Kepner. No. 1,095,000; Apr. 28; Gaz. vol. 201; p. 1117.
- Torpedo-steering mechanism. J. J. Dallier. No. 1,098,230; May 26; Gaz. vol. 202; p. 1176.
- Torpedo-tube, Broadside-firing. M. F. Hay and F. Guhrauer. No. 1,100,676; June 16; Gaz. vol. 203; p. 869.
- Torpedo-tube, Broadside-firing deck. M. F. Hay and F. Guhrauer. No. 1,100,481; June 16; Gaz. vol. 203; p. 806.
- Torpedoes, Firing apparatus for moored. G. E. Elia. No. 1,092,703; Apr. 7; Gaz. vol. 201; p. 199.
- Torpedoes, Guide-block for. W. J. Doolan. No. 1,099,971; June 16; Gaz. vol. 203; p. 629.
- Torpedoes, Gyroscopic steering mechanism for. F. Zottich. No. 1,098,074; May 26; Gaz. vol. 202; p. 1124.
- Torpedoes or the like, Means for automatically steering. K. O. Leon. No. 1,121,563; Dec. 15; Gaz. vol. 209; p. 1011.
- Torpedoes, Retarding device for automobile. F. M. Leavitt. No. 1,112,014; Sept. 29; Gaz. vol. 206; p. 1268.
- Torque-tube. G. W. Dunham. No. 1,101,622; June 30; Gaz. vol. 203; p. 1304.
- Torsels, Manufacturing metallic. J. E. Sonnier. No. 1,104,714; July 21; Gaz. vol. 204; p. 952.
- Torsion-rod fastening. B. T. Williston. No. 1,121,962; Dec. 22; Gaz. vol. 209; p. 1187.
- Tote-box. W. G. Avery. No. 1,107,014; Aug. 11; Gaz. vol. 205; p. 541.
- Tourist's glass. J. M. Faehrmann. No. 1,104,643; July 21; Gaz. vol. 204; p. 927.
- Tourist's glass. J. M. Faehrmann. No. 1,104,644; July 21; Gaz. vol. 204; p. 928.
- Towel and soap service, Sanitary. C. H. Parvin and M. L. Snyder. No. 1,092,743; Apr. 7; Gaz. vol. 201; p. 213.
- Towel-dispensing device. I. W. McDaniel. No. 1,117,878; Nov. 17; Gaz. vol. 208; p. 921.
- Towel heater and sterilizer. J. A. Golden. No. 1,122,271; Dec. 29; Gaz. vol. 209; p. 1333.
- Towel-holder. J. E. Adams. No. 1,093,518; Apr. 14; Gaz. vol. 201; p. 508.
- Towel-holder. W. E. Barber. No. 1,116,209; Nov. 3; Gaz. vol. 208; p. 253.
- Towel-holder. C. F. Brown. No. 1,115,895; Nov. 3; Gaz. vol. 208; p. 145.
- Towel-holder. D. B. Michie. No. 1,086,200; Feb. 3; Gaz. vol. 199; p. 219.
- Towel-holder, Sanitary. J. Q. Adams. No. 1,117,747; Nov. 17; Gaz. vol. 208; p. 877.
- Towel-rack. J. Boehm. No. 1,117,771; Nov. 17; Gaz. vol. 208; p. 886.
- Towel-rack. M. J. Darling. No. 1,113,880; Oct. 13; Gaz. vol. 207; p. 556.
- Towel-rack. B. Hurt. No. 1,118,553; Nov. 24; Gaz. vol. 208; p. 1198.
- Towel-rack. J. O. Knox. No. 1,087,450; Feb. 17; Gaz. vol. 199; p. 748.
- Towel-wringer. J. Kugel. No. 1,110,292; Sept. 8; Gaz. vol. 206; p. 550.
- Tower, Cooling-. E. Burhorn. No. 1,092,334; Apr. 7; Gaz. vol. 201; p. 73.
- Tower, Cooling-. E. Burhorn. No. 1,118,267; Nov. 24; Gaz. vol. 208; p. 1095.
- Tower, Extensible. H. G. Donigan. No. 1,092,096; Mar. 31; Gaz. vol. 200; p. 1336.
- Tower or derrick, Steel. L. C. Moore. No. 1,092,503; Apr. 7; Gaz. vol. 201; p. 132.
- Tower, Portable. J. L. and V. C. Fogle. No. 1,095,391; May 5; Gaz. vol. 202; p. 74.
- Tower-spar. E. A. and J. F. Gaskill. No. 1,083,277; Jan. 6; Gaz. vol. 198; p. 6.
- Tower, Transposition-. L. A. Magraw. No. 1,110,068; Sept. 8; Gaz. vol. 206; p. 469.
- Toy. L. H. Adamson. No. 1,101,048; June 23; Gaz. vol. 203; p. 1056.
- Toy. F. W. Atwell. No. 1,084,122; Jan. 13; Gaz. vol. 198; p. 316.
- Toy. H. C. Baldwin. No. 1,115,272; Oct. 27; Gaz. vol. 207; p. 1139.
- Toy. A. B. Beard. No. 1,096,147; May 12; Gaz. vol. 202; p. 367.
- Toy. A. M. Bollinger. No. 1,107,885; Aug. 18; Gaz. vol. 205; p. 897.
- Toy. F. J. Boyle. No. 1,113,874; Oct. 13; Gaz. vol. 207; p. 554.
- Toy. D. P. Clark. No. 1,087,277; Feb. 17; Gaz. vol. 199; p. 687.
- Toy. D. P. Clark. No. 1,101,060; June 23; Gaz. vol. 203; p. 1060.
- Toy. D. P. Clark. No. 1,111,056; Sept. 22; Gaz. vol. 206; p. 902.
- Toy. C. L. Cruver. No. 1,089,694; Mar. 10; Gaz. vol. 200; p. 398.
- Toy. H. W. Devall. No. 1,120,456; Dec. 8; Gaz. vol. 209; p. 576.
- Toy. M. Donaldson. No. 1,122,485; Dec. 29; Gaz. vol. 209; p. 1403.
- Toy. J. R. Duncan. No. 1,108,725; Aug. 25; Gaz. vol. 205; p. 1236.
- Toy. L. C. Edgar. No. 1,098,895; June 2; Gaz. vol. 203; p. 183.
- Toy. J. V. Geary. No. 1,098,360; May 26; Gaz. vol. 202; p. 1222.
- Toy. C. Haddad. No. 1,118,001; Nov. 24; Gaz. vol. 208; p. 1004.
- Toy. F. H. Hall. No. 1,105,652; Aug. 4; Gaz. vol. 205; p. 23.
- Toy. D. Heyman. No. 1,092,103; Mar. 31; Gaz. vol. 200; p. 1338.
- Toy. C. Hornberger. No. 1,120,497; Dec. 8; Gaz. vol. 209; p. 590.
- Toy. C. K. Kaftanis. No. 1,117,854; Nov. 17; Gaz. vol. 208; p. 913.
- Toy. J. V. Klein. No. 1,089,229; Mar. 3; Gaz. vol. 200; p. 191.
- Toy. A. Kohler. No. 1,088,594; Feb. 24; Gaz. vol. 199; p. 1184.
- Toy. E. A. Lahiere. No. 1,108,913; Sept. 1; Gaz. vol. 206; p. 18.
- Toy. E. J. Larson. No. 1,106,878; Aug. 11; Gaz. vol. 205; p. 496.
- Toy. E. Logan. No. 1,088,600; Feb. 24; Gaz. vol. 199; p. 1185.
- Toy. J. J. Mahan. (Reissue.) No. 13,696; Mar. 10; Gaz. vol. 200; p. 548.
- Toy. B. E. Marshall. No. 1,099,507; June 9; Gaz. vol. 203; p. 433.
- Toy. D. H. McFalls. No. 1,103,601; July 14; Gaz. vol. 204; p. 527.
- Toy. J. Meckovsky. No. 1,087,390; Feb. 17; Gaz. vol. 199; p. 726.
- Toy. A. I. Orlansky. No. 1,116,911; Nov. 10; Gaz. vol. 208; p. 542.
- Toy. R. Paul. No. 1,110,400; Sept. 15; Gaz. vol. 206; p. 629.
- Toy. H. E. Poehlman. No. 1,107,183; Aug. 11; Gaz. vol. 205; p. 601.
- Toy. F. R. Powell. No. 1,116,841; Nov. 10; Gaz. vol. 208; p. 519.
- Toy. O. M. Rhodes. No. 1,110,823; Sept. 15; Gaz. vol. 206; p. 777.
- Toy. G. J. Roba. No. 1,115,575; Nov. 3; Gaz. vol. 208; p. 37.
- Toy. N. Roitman. No. 1,092,862; Apr. 14; Gaz. vol. 201; p. 239.
- Toy. D. Ronconi. No. 1,113,051; Oct. 6; Gaz. vol. 207; p. 221.
- Toy. W. Sadtler. No. 1,094,749; Apr. 28; Gaz. vol. 201; p. 1030.
- Toy. W. H. Saladee. No. 1,122,221; Dec. 22; Gaz. vol. 209; p. 1275.
- Toy. F. B. Shideler. No. 1,100,624; June 16; Gaz. vol. 203; p. 853.
- Toy. J. Sundqvist. No. 1,091,171; Mar. 24; Gaz. vol. 200; p. 980.
- Toy. H. C. Tanabe. No. 1,118,826; Nov. 24; Gaz. vol. 208; p. 1290.
- Toy. B. O. Wakefield. No. 1,118,707; Nov. 24; Gaz. vol. 208; p. 1251.
- Toy. J. H. Weatherford. No. 1,120,871; Dec. 15; Gaz. vol. 209; p. 770.
- Toy. J. W. Zimmerman. No. 1,115,148; Oct. 27; Gaz. vol. 207; p. 1096.
- Toy, Acrobatic. C. A. Meurer. No. 1,112,023; Sept. 29; Gaz. vol. 206; p. 1271.
- Toy, Aeronautic. E. B. Lodge. No. 1,087,306; Feb. 17; Gaz. vol. 199; p. 697.
- Toy aeroplane. F. Reiss. No. 1,116,122; Nov. 3; Gaz. vol. 208; p. 225.
- Toy, Animated. A. Gund. No. 1,089,212; Mar. 3; Gaz. vol. 200; p. 186.
- Toy balloon. F. F. Brucker. No. 1,111,642; Sept. 22; Gaz. vol. 206; p. 1104.
- Toy bank. J. H. Behnken. No. 1,113,295; Oct. 13; Gaz. vol. 207; p. 350.
- Toy bank. N. C. Shatzer. No. 1,121,049; Dec. 15; Gaz. vol. 209; p. 832.
- Toy bank. C. Whitney. No. 1,108,046; Aug. 18; Gaz. vol. 205; p. 953.
- Toy base-ball bat. J. A. Murphy. No. 1,113,162; Oct. 6; Gaz. vol. 207; p. 259.
- Toy boat. T. M. Vaughan. No. 1,118,081; Nov. 24; Gaz. vol. 208; p. 1032.
- Toy building-block. P. Anft. No. 1,084,597; Jan. 20; Gaz. vol. 198; p. 501.
- Toy building element. H. C. Harrison. No. 1,095,858; May 5; Gaz. vol. 202; p. 233.
- Toy-building for the reproduction of iron technical constructions. A. Lehner. No. 1,103,781; July 14; Gaz. vol. 204; p. 590.
- Toy cannon. H. R. Gilson. No. 1,083,361; Jan. 6; Gaz. vol. 198; p. 34.

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- Toy cannon. W. C. Lang. No. 1,094,725; Apr. 28; Gaz. vol. 201; p. 1023.
- Toy car. J. L. Cowen. No. 1,113,312; Oct. 13; Gaz. vol. 207; p. 357.
- Toy car. F. E. Seal. No. 1,108,628; Aug. 25; Gaz. vol. 205; p. 1203.
- Toy cars, Roadway construction for. J. L. Cowen. No. 1,110,902; Sept. 15; Gaz. vol. 206; p. 807.
- Toy, Collapsible cut-out. C. C. Church. No. 1,111,216; Sept. 22; Gaz. vol. 206; p. 957.
- Toy construction. J. L. Cowen. No. 1,109,968; Sept. 8; Gaz. vol. 206; p. 435.
- Toy construction-blocks. C. H. Pajean. No. 1,113,371; Oct. 13; Gaz. vol. 207; p. 378.
- Toy, Constructional. W. Michaelis. No. 1,085,460; Jan. 27; Gaz. vol. 198; p. 833.
- Toy device. A. Diossy. No. 1,094,886; Apr. 28; Gaz. vol. 201; p. 1077.
- Toy electric railways, Rheostat for. F. Dangel. No. 1,096,800; May 12; Gaz. vol. 202; p. 589.
- Toy elevator. H. G. Moscherrosch. No. 1,101,034; June 23; Gaz. vol. 203; p. 1051.
- Toy figure. C. Ambash and N. Morgenstern. No. 1,110,100; Sept. 8; Gaz. vol. 206; p. 482.
- Toy figure. M. E. Taliaferro. No. 1,119,471; Dec. 1; Gaz. vol. 209; p. 197.
- Toy, Figure. T. Gawlik. No. 1,102,148; June 30; Gaz. vol. 203; p. 1488.
- Toy, Figure. J. W. Murray. No. 1,110,224; Sept. 8; Gaz. vol. 206; p. 526.
- Toy fly-swatter. J. H. Stanfield. No. 1,108,269; Aug. 25; Gaz. vol. 205; p. 1079.
- Toy, Flying and spinning. J. Berecz. No. 1,110,738; Sept. 15; Gaz. vol. 206; p. 748.
- Toy gun. J. R. Ballentine. No. 1,084,599; Jan. 20; Gaz. vol. 198; p. 502.
- Toy gun. A. W. Hamaker. No. 1,106,706; Aug. 11; Gaz. vol. 205; p. 435.
- Toy gun. F. P. Hoffman. No. 1,091,512; Mar. 31; Gaz. vol. 200; p. 1136.
- Toy gun. G. A. M. Liljencrantz. No. 1,089,713; Mar. 10; Gaz. vol. 200; p. 404.
- Toy gun. T. J. Nash. No. 1,094,237; Apr. 21; Gaz. vol. 201; p. 792.
- Toy gun. H. B. Palmer. No. 1,086,727; Feb. 10; Gaz. vol. 199; p. 445.
- Toy horse. W. F. Holmes. No. 1,122,929; Dec. 29; Gaz. vol. 209; p. 1560.
- Toy horseshoe game. J. A. Ekelund. No. 1,113,969; Oct. 20; Gaz. vol. 207; p. 626.
- Toy, Lock-canal marine. W. F. Seelye. No. 1,109,366; Sept. 1; Gaz. vol. 206; p. 182.
- Toy, Mechanical. B. F. Bain. No. 1,113,945; Oct. 20; Gaz. vol. 207; p. 617.
- Toy, Mechanical. E. B. Morrison. No. 1,085,930; Feb. 3; Gaz. vol. 199; p. 125.
- Toy, Mechanical. H. G. Taylor. No. 1,118,248; Nov. 24; Gaz. vol. 208; p. 1088.
- Toy, Mechanical. C. Thompson. No. 1,113,587; Oct. 13; Gaz. vol. 207; p. 453.
- Toy, Mechanical. J. A. Watt. No. 1,091,448; Mar. 24; Gaz. vol. 200; p. 1069.
- Toy, Mechanical. E. R. Young. No. 1,109,498; Sept. 1; Gaz. vol. 206; p. 226.
- Toy, Mechanical figure. C. J. W. Hayes. No. 1,110,685; Sept. 15; Gaz. vol. 206; p. 730.
- Toy motor-boat. H. Bergh. No. 1,116,215; Nov. 3; Gaz. vol. 208; p. 255.
- Toy, Musical. C. L. Cruver and W. A. Peters. No. 1,109,903; Sept. 8; Gaz. vol. 206; p. 411.
- Toy, Musical. W. A. Gay. No. 1,089,699; Mar. 10; Gaz. vol. 200; p. 399.
- Toy, Musical. M. W. Sanders. No. 1,093,806; Apr. 21; Gaz. vol. 201; p. 648.
- Toy or game. C. L. Wood. No. 1,115,642; Nov. 3; Gaz. vol. 208; p. 59.
- Toy pinwheel. T. Graham. No. 1,091,507; Mar. 31; Gaz. vol. 200; p. 1135.
- Toy pistol. R. Bean. No. 1,098,215; May 26; Gaz. vol. 202; p. 1171.
- Toy pistol. H. A. Gould. No. 1,100,728; June 23; Gaz. vol. 203; p. 943.
- Toy pistol. F. P. Hoffman. No. 1,103,416; July 14; Gaz. vol. 204; p. 460.
- Toy pistol. J. D. Kilgore. No. 1,123,195; Dec. 29; Gaz. vol. 209; p. 1655.
- Toy pistol. J. H. McConnell. No. 1,115,954; Nov. 3; Gaz. vol. 208; p. 166.
- Toy, Portable wheeled. R. Hollingworth. No. 1,090,308; Mar. 17; Gaz. vol. 200; p. 651.
- Toy, Puzzle. J. P. Draper. No. 1,119,349; Dec. 1; Gaz. vol. 209; p. 155.
- Toy puzzle. W. Ludlum, Jr. No. 1,106,049; Aug. 4; Gaz. vol. 205; p. 162.
- Toy, Pyrotechnic. J. B. Van Doren. No. 1,089,166; Mar. 3; Gaz. vol. 200; p. 171.
- Toy, Pyrotechnical. A. Jedel. No. 1,110,205; Sept. 8; Gaz. vol. 206; p. 520.
- Toy railway. F. W. Kramer. No. 1,096,632; May 12; Gaz. vol. 202; p. 532.
- Toy railway. T. C. Spelling. No. 1,110,655; Sept. 15; Gaz. vol. 206; p. 719.
- Toy railway system. T. C. Spelling. No. 1,089,799; Mar. 10; Gaz. vol. 200; p. 433.
- Toy repeating pistol. G. C. Lasares. No. 1,099,554; June 9; Gaz. vol. 203; p. 451.
- Toy, Return-hoop. E. P. Beadles. No. 1,116,786; Nov. 10; Gaz. vol. 208; p. 499.
- Toy savings-bank. C. J. Heidel. No. 1,091,333; Mar. 24; Gaz. vol. 200; p. 1031.
- Toy smoke-gun. J. McIntyre. No. 1,120,320; Dec. 8; Gaz. vol. 209; p. 527.
- Toy, Sounding. C. L. Cruver. No. 1,110,114; Sept. 8; Gaz. vol. 206; p. 488.
- Toy, Sounding. M. A. W. Parmeter. No. 1,118,223; Nov. 24; Gaz. vol. 208; p. 1080.
- Toy, Sounding figure. A. Steiner, O. Liebermann, and C. Scharfenberg. No. 1,098,303; May 26; Gaz. vol. 202; p. 1203.
- Toy, Sounding-wheel. A. Cafferty. No. 1,103,030; July 14; Gaz. vol. 204; p. 328.
- Toy tent. A. Wiplitzhauser. No. 1,092,321; Apr. 7; Gaz. vol. 201; p. 69.
- Toy theater. C. Catrevas. No. 1,107,757; Aug. 18; Gaz. vol. 205; p. 854.
- Toy top. O. R. Benson. No. 1,122,189; Dec. 22; Gaz. vol. 209; p. 1264.
- Toy, Trundle whirligig. J. Stec. No. 1,104,227; July 21; Gaz. vol. 204; p. 783.
- Toy, Trundling. A. Kounovsky. No. 1,097,102; May 19; Gaz. vol. 202; p. 738.
- Toy, Type-writer. A. B. Carroll. No. 1,119,777; Dec. 1; Gaz. vol. 209; p. 300.
- Toy vehicle. C. Silver. No. 1,100,031; June 16; Gaz. vol. 203; p. 649.
- Toy volcano apparatus. L. K. Brubaker. No. 1,100,529; June 16; Gaz. vol. 203; p. 822.
- Toy wagon. J. A. Sundquist. No. 1,104,574; July 21; Gaz. vol. 204; p. 906.
- Toy wall-telephone. M. and W. Kanter. No. 1,088,661; Feb. 24; Gaz. vol. 199; p. 1206.
- Toy weighing-machine. C. B. Robertson. No. 1,104,138; July 21; Gaz. vol. 204; p. 753.
- Toy, Wheel. S. Nagy. No. 1,091,950; Mar. 31; Gaz. vol. 200; p. 1289.
- Toy, Wheeled. R. Fox. No. 1,120,470; Dec. 8; Gaz. vol. 209; p. 581.
- Toy, Wheeled. J. Kastura. No. 1,121,371; Dec. 15; Gaz. vol. 209; p. 944.
- Toys, Building. M. Ebert. No. 1,100,061; June 16; Gaz. vol. 203; p. 660.
- Trace. A. M. Craig. No. 1,121,805; Dec. 22; Gaz. vol. 209; p. 1131.
- Trace-attaching device. W. Kyllonen. No. 1,105,331; July 28; Gaz. vol. 204; p. 1217.
- Trace-carrier. E. R. Hills. No. 1,122,751; Dec. 29; Gaz. vol. 209; p. 1496.
- Trace-carrier. C. S. Kjenstad. No. 1,122,611; Dec. 29; Gaz. vol. 209; p. 1448.
- Trace-carrier. S. Olson. No. 1,103,373; July 14; Gaz. vol. 204; p. 447.
- Trace-carrier. M. E. Zeller. No. 1,099,109; June 2; Gaz. vol. 203; p. 251.
- Trace-coupling. M. Marx. No. 1,098,817; June 2; Gaz. vol. 203; p. 156.
- Trace-fastener. F. Kleeman. No. 1,093,436; Apr. 14; Gaz. vol. 201; p. 484.
- Trace, Harness. J. W. Curry. No. 1,097,214; May 19; Gaz. vol. 202; p. 779.
- Trace-holder. J. Bodensteiner. No. 1,119,231; Dec. 1; Gaz. vol. 209; p. 115.
- Trace-holder. J. C. Culligan. No. 1,123,106; Dec. 29; Gaz. vol. 209; p. 1622.
- Trace-holder. J. M. Levan. No. 1,121,514; Dec. 15; Gaz. vol. 209; p. 993.
- Trace-holder. W. H. Schaeffer. No. 1,087,185; Feb. 17; Gaz. vol. 199; p. 653.
- Trace-holding device. J. K. Champ. No. 1,123,095; Dec. 29; Gaz. vol. 209; p. 1618.
- Trace-supporter for harness. J. W. Langfitt. No. 1,122,510; Dec. 29; Gaz. vol. 209; p. 1412.
- Track. O. Torseth. No. 1,118,077; Nov. 24; Gaz. vol. 208; p. 1030.
- Track adjuster or indicator. G. Dupes. No. 1,096,357; May 12; Gaz. vol. 202; p. 441.
- Track-clamp. T. N. Robinson. No. 1,114,526; Oct. 20; Gaz. vol. 207; p. 825.
- Track-cleaner. G. W. Green and J. M. Cater. No. 1,089,636; Mar. 10; Gaz. vol. 200; p. 378.
- Track-cleaner. S. Horvath. No. 1,114,695; Oct. 20; Gaz. vol. 207; p. 880.
- Track-controlled mechanism. A. H. Sweetland. No. 1,117,722; Nov. 17; Gaz. vol. 208; p. 868.
- Track-crossing structure. W. A. Smith. No. 1,120,754; Dec. 15; Gaz. vol. 209; p. 729.
- Track-drill. R. D. Berg. No. 1,101,114; June 23; Gaz. vol. 203; p. 1077.
- Track-drill. A. L. Stanford. No. 1,117,610; Nov. 17; Gaz. vol. 208; p. 826.
- Track-drilling machine. C. B. Coates. No. 1,118,268; Nov. 24; Gaz. vol. 208; p. 1095.

Alphabetical list of inventions—Continued.

- Track-fastener. J. W. Stephenson. No. 1,085,880; Feb. 3; Gaz. vol. 199; p. 107.
Track-fastener. J. W. Stephenson. No. 1,085,881; Feb. 3; Gaz. vol. 199; p. 107.
Track-fastener. J. W. Stephenson. No. 1,085,882; Feb. 3; Gaz. vol. 199; p. 107.
Track-fastening, Metallic. F. Jager. No. 1,086,668; Feb. 10; Gaz. vol. 199; p. 425.
Track-gage. P. M. Stavdal. No. 1,084,760; Jan. 20; Gaz. vol. 198; p. 559.
Track gage and level, Combination adjustable. G. Gruetzman. No. 1,098,253; May 26; Gaz. vol. 202; p. 1184.
Track hanger, Overhead. T. Loudon. No. 1,094,370; Apr. 21; Gaz. vol. 201; p. 834.
Track instrument. C. E. Baumer and J. Correy. No. 1,114,436; Oct. 20; Gaz. vol. 207; p. 793.
Track-lining arch. N. Fulcher. No. 1,114,460; Oct. 20; Gaz. vol. 207; p. 801.
Track, Overhead. G. A. Olson. No. 1,103,310; July 14; Gaz. vol. 204; p. 426.
Track-sander. W. B. Rogers. No. 1,088,935; Mar. 3; Gaz. vol. 200; p. 91.
Track-sander. J. H. Watters. No. 1,092,680; Apr. 7; Gaz. vol. 201; p. 191.
Track-sander alarm device. J. H. Hanlon. No. 1,117,041; Nov. 10; Gaz. vol. 208; p. 587.
Track-sander, Automatic. H. T. Aydelott. No. 1,087,421; Feb. 17; Gaz. vol. 199; p. 737.
Track-sander for locomotives. R. Kett. No. 1,110,391; Sept. 15; Gaz. vol. 206; p. 625.
Track-sanding apparatus. A. H. Carnes. No. 1,121,710; Dec. 22; Gaz. vol. 209; p. 1098.
Track-sanding apparatus. O. Johnson. No. 1,086,454; Feb. 10; Gaz. vol. 199; p. 351.
Track-sanding apparatus. H. Vissering. No. 1,109,092; Sept. 1; Gaz. vol. 206; p. 83.
Track-sanding device. J. Gapp. No. 1,102,577; July 7; Gaz. vol. 204; p. 125.
Track structure. H. L. Betten. No. 1,101,162; June 23; Gaz. vol. 203; p. 1094.
Track structure. J. N. Lamar. No. 1,096,433; May 12; Gaz. vol. 202; p. 465.
Track-wrench. C. A. Bidinger. No. 1,097,288; May 19; Gaz. vol. 202; p. 805.
Tracker-bar. L. M. Sanders. No. 1,086,334; Feb. 3; Gaz. vol. 199; p. 262.
Tracker, Double-scale. P. Welin. No. 1,123,049; Dec. 29; Gaz. vol. 209; p. 1603.
Tracker mechanism, Automatic locking device for. W. A. Watson. No. 1,112,242; Sept. 29; Gaz. vol. 206; p. 1349.
Tracking device. J. P. Hulder. No. 1,090,310; Mar. 17; Gaz. vol. 200; p. 652.
Tracking device. F. G. Lynde. No. 1,114,700; Oct. 20; Gaz. vol. 207; p. 882.
Tracking mechanism, Self-adjusting automatic. J. P. Hulder. No. 1,113,637; Oct. 13; Gaz. vol. 207; p. 469.
Tracking or sheet-guiding device. J. W. Dickinson. No. 1,098,892; June 2; Gaz. vol. 203; p. 182.
Trackway, Elevated. J. A. Shepard. No. 1,115,029; Oct. 27; Gaz. vol. 207; p. 1054.
Traction and rolling apparatus. W. H. Coldwell. No. 1,085,379; Jan. 27; Gaz. vol. 198; p. 807.
Traction apparatus. J. W. McLain. No. 1,098,675; June 2; Gaz. vol. 203; p. 108.
Traction-elevator. E. L. Gale, Sr. No. 1,112,785; Oct. 6; Gaz. vol. 207; p. 131.
Traction-engine. J. B. Bartholomew. No. 1,116,785; Nov. 10; Gaz. vol. 208; p. 498.
Traction-engine. P. E. Brendemuehl. No. 1,119,678; Dec. 1; Gaz. vol. 209; p. 268.
Traction-engine. L. S. Claiborne and R. C. Mahagan. No. 1,084,069; Jan. 13; Gaz. vol. 198; p. 298.
Traction-engine. O. M. Cox. No. 1,099,538; June 9; Gaz. vol. 203; p. 444.
Traction-engine. A. F. Cresien. No. 1,120,692; Dec. 15; Gaz. vol. 209; p. 707.
Traction-engine. F. Heckman. No. 1,097,429; May 19; Gaz. vol. 202; p. 852.
Traction-engine. M. J. Hogan. No. 1,098,365; May 26; Gaz. vol. 202; p. 1224.
Traction-engine. O. C. Houghton. No. 1,106,046; Aug. 4; Gaz. vol. 205; p. 162.
Traction-engine. O. C. Houghton. No. 1,107,791; Aug. 18; Gaz. vol. 205; p. 866.
Traction-engine. W. T. Hutchison. No. 1,097,323; May 19; Gaz. vol. 202; p. 817.
Traction-engine. J. D. Ingram. No. 1,085,812; Feb. 3; Gaz. vol. 199; p. 84.
Traction-engine. H. H. Kryger. No. 1,120,945; Dec. 15; Gaz. vol. 209; p. 796.
Traction-engine. S. S. Morton. No. 1,104,537; July 21; Gaz. vol. 204; p. 893.
Traction-engine. S. Murta. No. 1,083,555; Jan. 6; Gaz. vol. 198; p. 98.
Traction-engine. G. W. Perry. No. 1,100,148; June 16; Gaz. vol. 203; p. 691.
Traction-engine. H. Schlicht. No. 1,113,493; Oct. 13; Gaz. vol. 207; p. 422.
Traction-engine, Gasolene. F. H. Allen. No. 1,123,158; Dec. 29; Gaz. vol. 209; p. 1642.
Traction-machine. S. A. Grant. No. 1,118,341; Nov. 24; Gaz. vol. 208; p. 1122.
Traction-machine. C. L. Tolles. No. 1,106,595; Aug. 11; Gaz. vol. 205; p. 398.
Traction-rigs, Guide-furrow-forming attachment for. C. S. Whitworth. No. 1,111,243; Sept. 22; Gaz. vol. 206; p. 967.
Traction system. O. Torseth. No. 1,121,779; Dec. 22; Gaz. vol. 209; p. 1122.
Traction system, Monorail. D. L. Curtis. No. 1,112,599; Oct. 6; Gaz. vol. 207; p. 67.
Traction-wheel. W. T. M. Brunner. No. 1,104,957; July 28; Gaz. vol. 204; p. 1086.
Traction-wheel. R. M. Downie. No. 1,099,789; June 9; Gaz. vol. 203; p. 530.
Traction-wheel. J. Fair. No. 1,110,196; Sept. 8; Gaz. vol. 206; p. 516.
Traction-wheel. C. B. Gladding. No. 1,121,243; Dec. 15; Gaz. vol. 209; p. 899.
Traction-wheel. A. N. Hadley. No. 1,109,985; Sept. 8; Gaz. vol. 206; p. 441.
Traction-wheel. J. W. Lambert. No. 1,112,920; Oct. 6; Gaz. vol. 207; p. 177.
Traction-wheel. R. J. Muir. No. 1,100,902; June 23; Gaz. vol. 203; p. 1003.
Traction-wheel. M. W. Peterson. No. 1,113,477; Oct. 13; Gaz. vol. 207; p. 416.
Traction-wheel. J. Porteous. No. 1,106,841; Aug. 11; Gaz. vol. 205; p. 483.
Traction-wheel. J. Porteous. No. 1,106,842; Aug. 11; Gaz. vol. 205; p. 483.
Traction-wheel. J. Porteous. No. 1,115,019; Oct. 27; Gaz. vol. 207; p. 1050.
Traction-wheel. E. A. Rumely. No. 1,104,934; July 28; Gaz. vol. 204; p. 1078.
Traction-wheel. N. Shaver. No. 1,116,503; Nov. 10; Gaz. vol. 208; p. 396.
Traction-wheel. R. C. Shindler. No. 1,099,825; June 9; Gaz. vol. 203; p. 541.
Traction-wheel. S. H. Summerscales. No. 1,095,943; May 5; Gaz. vol. 202; p. 261.
Traction-wheel. D. D. and H. W. Tilbury. No. 1,104,847; July 28; Gaz. vol. 204; p. 1047.
Traction-wheel. G. A. Volby. No. 1,118,164; Nov. 24; Gaz. vol. 208; p. 1059.
Traction-wheel and track, Combined. C. B. Coon. No. 1,117,640; Nov. 17; Gaz. vol. 208; p. 837.
Tractor. D. B. Blaisdell. No. 1,117,866; Nov. 24; Gaz. vol. 208; p. 991.
Tractor. G. W. Bradbury. No. 1,117,477; Nov. 17; Gaz. vol. 208; p. 780.
Tractor. T. V. Buckwalter. No. 1,090,447; Mar. 17; Gaz. vol. 200; p. 701.
Tractor. D. Conn, Jr. No. 1,087,571; Feb. 17; Gaz. vol. 199; p. 790.
Tractor. G. C. Dort. No. 1,105,551; July 28; Gaz. vol. 204; p. 1294.
Tractor. A. Frederick. No. 1,089,698; Mar. 10; Gaz. vol. 200; p. 399.
Tractor. J. B. Hill. No. 1,105,562; July 28; Gaz. vol. 204; p. 1297.
Tractor. H. W. Leavitt. No. 1,112,460; Oct. 6; Gaz. vol. 207; p. 16.
Tractor. R. Marsh. No. 1,103,678; July 14; Gaz. vol. 204; p. 556.
Tractor. O. J. Martinson. No. 1,101,459; June 23; Gaz. vol. 203; p. 1195.
Tractor. W. Mulholland. No. 1,120,326; Dec. 8; Gaz. vol. 209; p. 529.
Tractor. F. W. Oldham and E. L. Miles. No. 1,101,323; June 23; Gaz. vol. 203; p. 1150.
Tractor. R. E. Olds. No. 1,105,686; Aug. 4; Gaz. vol. 205; p. 35.
Tractor. E. J. Sampson. No. 1,104,277; July 21; Gaz. vol. 204; p. 800.
Tractor. H. J. Stegeman. No. 1,087,332; Feb. 17; Gaz. vol. 199; p. 706.
Tractor. W. Strait. No. 1,105,862; Aug. 4; Gaz. vol. 205; p. 97.
Tractor, Excavator. O. J. Martinson. No. 1,101,460; June 23; Gaz. vol. 203; p. 1195.
Tractor, Farm. L. E. Harding. No. 1,120,477; Dec. 8; Gaz. vol. 209; p. 584.
Tractor, Farm. C. W. Hull. No. 1,122,934; Dec. 29; Gaz. vol. 209; p. 1561.
Tractor, Farm. W. W. Lemmon. No. 1,109,429; Sept. 1; Gaz. vol. 206; p. 204.
Tractor, Fluid. J. M. King. No. 1,119,433; Dec. 1; Gaz. vol. 209; p. 184.
Tractor, Front-drive. F. M. Vandervoort. No. 1,091,720; Mar. 31; Gaz. vol. 200; p. 1207.
Tractor-propelling mechanism. C. E. Morris. No. 1,107,825; Aug. 18; Gaz. vol. 205; p. 877.
Tractor-steering device. A. Stenquist. No. 1,083,417; Jan. 6; Gaz. vol. 198; p. 54.
Tractor-steering device. W. H. Waterman. No. 1,096,974; May 19; Gaz. vol. 202; p. 694.
Tractor-wheel. J. Beard. No. 1,106,182; Aug. 4; Gaz. vol. 205; p. 209.
Tractor-wheel. J. M. Kroyer. No. 1,109,294; Sept. 1; Gaz. vol. 206; p. 155.

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- Tractors, Traction-belt for. P. E. Holt. No. 1,111,583; Sept. 22; Gaz. vol. 206; p. 1084.
- Tradesman's signal. A. A. Oldham. No. 1,101,087; June 23; Gaz. vol. 203; p. 1070.
- Traffic-controlling apparatus. C. J. Coleman. No. 1,088,807; Mar. 3; Gaz. vol. 200; p. 45.
- Traffic-recorder. L. Bonham. No. 1,115,493; Nov. 3; Gaz. vol. 208; p. 9.
- Trailer. W. B. Morse. No. 1,119,106; Dec. 1; Gaz. vol. 209; p. 73.
- Train arrester and railway signal system, Automatic. G. A. Wilson, Jr. No. 1,119,740; Dec. 1; Gaz. vol. 209; p. 287.
- Train automatic safety-stop. J. V. Rund. No. 1,119,881; Dec. 8; Gaz. vol. 209; p. 373.
- Train-brake. C. R. Nijssen. No. 1,092,116; Mar. 31; Gaz. vol. 200; p. 1343.
- Train control and alarm, Automatic. F. Steele, Jr. No. 1,115,254; Oct. 27; Gaz. vol. 207; p. 1133.
- Train-control apparatus, Automatic wireless. T. E. Clark. No. 1,104,165; July 21; Gaz. vol. 204; p. 762.
- Train-control apparatus, Safety. F. T. Jones. No. 1,118,654; Nov. 24; Gaz. vol. 208; p. 1233.
- Train control, Automatic. C. H. Goodpasture. No. 1,116,055; Nov. 3; Gaz. vol. 208; p. 201.
- Train control, Automatic. W. H. Johnson. No. 1,093,782; Apr. 21; Gaz. vol. 201; p. 639.
- Train control, Electropneumatic. M. V. Murphy and S. E. Baker. No. 1,114,630; Oct. 20; Gaz. vol. 207; p. 858.
- Train-control mechanism, Automatic. W. Pick. No. 1,087,823; Feb. 17; Gaz. vol. 199; p. 876.
- Train-control system. J. Ames. No. 1,118,891; Nov. 24; Gaz. vol. 208; p. 1311.
- Train-control system. J. Ames. No. 1,118,892; Nov. 24; Gaz. vol. 208; p. 1312.
- Train-control system, Automatic. M. L. Winn. No. 1,113,273; Oct. 13; Gaz. vol. 207; p. 343.
- Train-control system, Electric. A. J. Allard. No. 1,100,644; June 16; Gaz. vol. 203; p. 859.
- Train-control system, Electric. H. N. Latey. No. 1,111,394; Sept. 22; Gaz. vol. 206; p. 1018.
- Train-control system, Electric. E. Woltmann. No. 1,111,344; Sept. 22; Gaz. vol. 206; p. 1001.
- Train controlling and stopping system. G. R. Guild. No. 1,106,092; Aug. 4; Gaz. vol. 205; p. 178.
- Train-controlling device. A. L. Bower. No. 1,115,494; Nov. 3; Gaz. vol. 208; p. 9.
- Train-controlling device. J. J. Brennan. No. 1,083,588; Jan. 6; Gaz. vol. 198; p. 108.
- Train-controlling device. E. M. Jones. No. 1,109,679; Sept. 8; Gaz. vol. 206; p. 332.
- Train-controlling mechanism. G. W. Benedict. No. 1,117,765; Nov. 17; Gaz. vol. 208; p. 883.
- Train-controlling mechanism. F. T. Jones. No. 1,108,584; Aug. 25; Gaz. vol. 205; p. 1189.
- Train-controlling system, Electrical. J. H. Schroeder and C. D. Baucum. No. 1,104,279; July 21; Gaz. vol. 204; p. 801.
- Train device, Safety. L. Long. No. 1,101,299; June 23; Gaz. vol. 203; p. 1141.
- Train-lines, Self-coupling for fluid. C. E. O. Langlais. No. 1,092,061; Mar. 31; Gaz. vol. 200; p. 1323.
- Train-locating and time-recording apparatus. B. F. Osborn and E. F. Zirbel. No. 1,091,756; Mar. 31; Gaz. vol. 200; p. 1220.
- Train-order deliverer. F. Dutcher. No. 1,086,282; Feb. 3; Gaz. vol. 199; p. 245.
- Train-order deliverer. F. Dutcher. No. 1,086,283; Feb. 3; Gaz. vol. 199; p. 246.
- Train-order holder. F. Dutcher. No. 1,117,813; Nov. 17; Gaz. vol. 208; p. 900.
- Train-order holder. A. L. Groom. No. 1,117,665; Nov. 17; Gaz. vol. 208; p. 847.
- Train-order holder. C. J. Quay. No. 1,087,828; Feb. 17; Gaz. vol. 199; p. 878.
- Train-protector. J. Stofa. No. 1,119,200; Dec. 1; Gaz. vol. 209; p. 105.
- Train-signal. C. Hummon. No. 1,116,589; Nov. 10; Gaz. vol. 208; p. 428.
- Train-stop and cab-signal, Automatic. C. L. Bopp. No. 1,114,433; Oct. 20; Gaz. vol. 207; p. 791.
- Train-stop, Automatic. J. S. Allen. No. 1,091,268; Mar. 24; Gaz. vol. 200; p. 1013.
- Train-stop, Automatic. E. L. Barril. No. 1,111,638; Sept. 22; Gaz. vol. 206; p. 1103.
- Train-stop, Automatic. W. Beutel. No. 1,110,739; Sept. 15; Gaz. vol. 206; p. 748.
- Train-stop, Automatic. O. H. Ewest. No. 1,122,090; Dec. 22; Gaz. vol. 209; p. 1232.
- Train-stop, Automatic. R. Hammerly. No. 1,103,763; July 14; Gaz. vol. 204; p. 583.
- Train-stop, Automatic. A. R. Heath. No. 1,090,396; Mar. 17; Gaz. vol. 200; p. 682.
- Train-stop, Automatic. E. M. Jones. No. 1,116,437; Nov. 10; Gaz. vol. 208; p. 371.
- Train-stop, Automatic. W. W. Jones. No. 1,116,291; Nov. 3; Gaz. vol. 208; p. 280.
- Train-stop, Automatic. W. E. Lawn. No. 1,110,214; Sept. 8; Gaz. vol. 206; p. 523.
- Train-stop, Automatic. F. I. Leach. No. 1,115,443; Oct. 27; Gaz. vol. 207; p. 1196.
- Train-stop, Automatic. A. Mastrangelo. No. 1,113,027; Oct. 6; Gaz. vol. 207; p. 213.
- Train-stop, Automatic. P. N. Mathis. No. 1,097,457; May 19; Gaz. vol. 202; p. 861.
- Train-stop, Automatic. W. S. Pike. No. 1,118,797; Nov. 24; Gaz. vol. 208; p. 1280.
- Train-stop, Automatic. S. Rogers. No. 1,123,013; Dec. 29; Gaz. vol. 209; p. 1591.
- Train-stop, Automatic. C. A. Schuler and P. W. Staerkle. No. 1,114,388; Oct. 20; Gaz. vol. 207; p. 774.
- Train-stop, Automatic. B. D. Tripp. No. 1,113,385; Oct. 13; Gaz. vol. 207; p. 383.
- Train-stop device, Automatic. A. England. No. 1,104,787; July 28; Gaz. vol. 204; p. 1026.
- Train-stop device, Automatic. G. H. Ennis. No. 1,097,854; May 26; Gaz. vol. 202; p. 1045.
- Train-stop device, Automatic. W. E. Wells and J. H. Maguire. No. 1,091,610; Mar. 31; Gaz. vol. 200; p. 1169.
- Train-stop mechanism, Automatic. A. W. Schauer. No. 1,115,247; Oct. 27; Gaz. vol. 207; p. 1131.
- Train stop or signal device, Automatic. O. A. Ross. No. 1,101,511; June 23; Gaz. vol. 203; p. 1215.
- Train-stop system, Automatic. E. G. Mascarenhas. No. 1,119,620; Dec. 1; Gaz. vol. 209; p. 248.
- Train stopping and signaling system. L. C. Hansen. No. 1,117,042; Nov. 10; Gaz. vol. 208; p. 587.
- Train-stopping apparatus. J. A. Gray. No. 1,117,034; Nov. 10; Gaz. vol. 208; p. 585.
- Train-stopping apparatus. A. H. Hussey. No. 1,112,372; Sept. 29; Gaz. vol. 206; p. 1393.
- Train-stopping apparatus. A. O. Johnson. No. 1,092,718; Apr. 7; Gaz. vol. 201; p. 204.
- Train-stopping apparatus. F. Northup. No. 1,103,818; July 14; Gaz. vol. 204; p. 602.
- Train-stopping apparatus. M. E. Thomas. No. 1,117,107; Nov. 10; Gaz. vol. 208; p. 610.
- Train-stopping apparatus. F. Willock. No. 1,118,987; Dec. 1; Gaz. vol. 209; p. 29.
- Train-stopping apparatus, Automatic. A. Belleré. No. 1,120,263; Dec. 8; Gaz. vol. 209; p. 507.
- Train-stopping apparatus, Automatic. J. L. Boyer. No. 1,102,132; June 30; Gaz. vol. 203; p. 1483.
- Train-stopping apparatus, Automatic. L. and L. Hitselberger. No. 1,122,116; Dec. 22; Gaz. vol. 209; p. 1239.
- Train-stopping apparatus, Automatic. W. F. Purcell. No. 1,109,463; Sept. 1; Gaz. vol. 206; p. 214.
- Train-stopping apparatus, Automatic. J. M. Roe. No. 1,089,267; Mar. 3; Gaz. vol. 200; p. 203.
- Train-stopping apparatus, Automatic. J. Schaefer. No. 1,113,838; Oct. 13; Gaz. vol. 207; p. 542.
- Train-stopping device. L. A. Downs. No. 1,117,810; Nov. 17; Gaz. vol. 208; p. 899.
- Train-stopping device. J. L. Eirich. No. 1,089,191; Mar. 3; Gaz. vol. 200; p. 180.
- Train-stopping device. W. L. Rummel. No. 1,101,664; June 30; Gaz. vol. 203; p. 1318.
- Train-stopping device. L. A. Zettel. No. 1,114,091; Oct. 20; Gaz. vol. 207; p. 669.
- Train-stopping device, Automatic. R. L. Moulton. No. 1,100,390; June 16; Gaz. vol. 203; p. 776.
- Train-stopping means. W. T. B. McDonald. No. 1,084,463; Jan. 13; Gaz. vol. 198; p. 427.
- Train-stopping mechanism. P. J. Clifford. No. 1,118,842; Nov. 24; Gaz. vol. 208; p. 1295.
- Train-stopping mechanism. J. F. Webb, Jr. No. 1,101,768; June 30; Gaz. vol. 203; p. 1353.
- Train-stopping system, Automatic. J. L. Neble. No. 1,091,694; Mar. 31; Gaz. vol. 200; p. 1198.
- Train track-trip, Automatic. J. S. Allen. No. 1,102,120; June 30; Gaz. vol. 203; p. 1479.
- Trains in motion, Coaling device for. G. Hall. No. 1,105,271; July 28; Gaz. vol. 204; p. 1194.
- Tramway-track point. J. Bellve and T. W. Potts. No. 1,090,832; Mar. 24; Gaz. vol. 200; p. 862.
- Transfer apparatus. G. A. Patterson. No. 1,102,072; June 30; Gaz. vol. 203; p. 1463.
- Transfer-bin. W. W. Woodruff. No. 1,089,518; Mar. 10; Gaz. vol. 200; p. 338.
- Transfer-holder, Sanitary. M. Lieberman. No. 1,084,888; Jan. 20; Gaz. vol. 198; p. 602.
- Transformer. W. M. Austin. No. 1,105,014; July 28; Gaz. vol. 204; p. 1104.
- Transformer. T. E. Barnum. No. 1,098,549; June 2; Gaz. vol. 203; p. 68.
- Transformer. E. L. Colby. No. 1,121,479; Dec. 15; Gaz. vol. 209; p. 981.
- Transformer. A. S. Hubbard. No. 1,112,908; Oct. 6; Gaz. vol. 207; p. 173.
- Transformer. S. E. Johannesen. No. 1,101,027; June 23; Gaz. vol. 203; p. 1049.
- Transformer. S. E. Johannesen. No. 1,102,513; July 7; Gaz. vol. 204; p. 101.
- Transformer. G. Stern. No. 1,114,548; Oct. 20; Gaz. vol. 207; p. 832.
- Transformer. N. A. Wolcott and W. C. Woodland. No. 1,091,995; Mar. 31; Gaz. vol. 200; p. 1303.

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- Transformer. N. A. Wolcott and W. C. Woodland. (Re-issue.) No. 13,830; Nov. 17; Gaz. vol. 208; p. 953.
- Transformer, Compound. W. J. Williams. No. 1,108,050; Aug. 18; Gaz. vol. 205; p. 955.
- Transformer, Static frequency-. M. Joly. No. 1,118,935; Dec. 1; Gaz. vol. 209; p. 10.
- Transformer-tank breather. A. Hundt. No. 1,100,736; June 23; Gaz. vol. 203; p. 946.
- Transformers, Cooling system for. K. C. Randall. No. 1,083,945; Jan. 13; Gaz. vol. 198; p. 255.
- Transformers, Protecting high-voltage. M. O. Troy. No. 1,105,385; July 28; Gaz. vol. 204; p. 1238.
- Transits and similar instruments, Sight for. D. W. Brunton. No. 1,092,822; Apr. 14; Gaz. vol. 201; p. 275.
- Transits, Grade attachments for. C. A. Scott. No. 1,105,930; Aug. 4; Gaz. vol. 205; p. 120.
- Translating and registering apparatus. E. C. Molina. No. 1,089,426; Mar. 10; Gaz. vol. 200; p. 303.
- Translating and selecting system. E. C. Molina. No. 1,083,456; Jan. 6; Gaz. vol. 198; p. 66.
- Translating devices, Multiple operation of. P. C. Hewitt. No. 1,110,550; Sept. 15; Gaz. vol. 206; p. 681.
- Transmission-carrier. D. B. O'Connell. No. 1,122,024; Dec. 22; Gaz. vol. 209; p. 1210.
- Transmission-controlling device. C. P. Hollister. No. 1,095,575; May 5; Gaz. vol. 202; p. 138.
- Transmission device. J. R. French. No. 1,091,454; Mar. 24; Gaz. vol. 200; p. 1071.
- Transmission device. J. W. Howery. No. 1,096,720; May 12; Gaz. vol. 202; p. 560.
- Transmission means. W. E. Brown. No. 1,099,161; June 9; Gaz. vol. 203; p. 313.
- Transmission mechanism. H. L. Beach. No. 1,097,904; May 26; Gaz. vol. 202; p. 1065.
- Transmission mechanism. V. A. Boker. No. 1,111,355; Sept. 22; Gaz. vol. 206; p. 1005.
- Transmission mechanism. O. C. Bornholt. No. 1,112,429; Oct. 6; Gaz. vol. 207; p. 4.
- Transmission mechanism. A. B. and W. Brockman. No. 1,089,186; Mar. 3; Gaz. vol. 200; p. 178.
- Transmission mechanism. A. J. Carlton. No. 1,097,532; May 19; Gaz. vol. 202; p. 887.
- Transmission mechanism. H. Devlin. No. 1,091,487; Mar. 31; Gaz. vol. 200; p. 1128.
- Transmission mechanism. P. Hadnagy. No. 1,119,426; Dec. 1; Gaz. vol. 209; p. 182.
- Transmission mechanism. N. Martinez. No. 1,112,375; Sept. 29; Gaz. vol. 206; p. 1394.
- Transmission mechanism. L. C. Morgan. No. 1,102,603; July 7; Gaz. vol. 204; p. 134.
- Transmission mechanism. C. J. Paulson. No. 1,104,444; July 21; Gaz. vol. 204; p. 857.
- Transmission mechanism. W. B. Pearson and E. R. Seward. No. 1,084,818; Jan. 20; Gaz. vol. 198; p. 578.
- Transmission mechanism. H. H. Schmitt. No. 1,112,843; Oct. 6; Gaz. vol. 207; p. 151.
- Transmission mechanism. I. D. Spangler. No. 1,100,924; June 23; Gaz. vol. 203; p. 1012.
- Transmission mechanism. A. R. and F. S. Welch. No. 1,122,341; Dec. 29; Gaz. vol. 209; p. 1355.
- Transmission mechanism. T. O. Werner. No. 1,097,901; May 26; Gaz. vol. 202; p. 1063.
- Transmission mechanism, Adjustable. A. Sundh. No. 1,099,473; June 9; Gaz. vol. 203; p. 422.
- Transmission mechanism, Differential. F. Brown. No. 1,097,843; May 26; Gaz. vol. 202; p. 1041.
- Transmission mechanism, Differential. C. A. Janson. No. 1,103,048; July 14; Gaz. vol. 204; p. 334.
- Transmission mechanism, Selective. A. R. Rogers. No. 1,109,305; Sept. 1; Gaz. vol. 206; p. 158.
- Transmission mechanism, Variable-speed frictional. W. A. Besserlich. No. 1,116,373; Nov. 10; Gaz. vol. 208; p. 349.
- Transmission of intelligence, Automatic exchange system for the. F. S. Coulter. No. 1,088,541; Feb. 24; Gaz. vol. 199; p. 1167.
- Transmission system. D. D. Miller. No. 1,096,182; May 12; Gaz. vol. 202; p. 378.
- Transmitter. R. S. M. Mitchell. No. 1,090,557; Mar. 17; Gaz. vol. 200; p. 739.
- Transmitter-bracket. A. F. F. Gilson. No. 1,118,340; Nov. 24; Gaz. vol. 208; p. 1121.
- Transmitter for wireless communication. W. Harrison. No. 1,119,952; Dec. 8; Gaz. vol. 209; p. 397.
- Transmitter, Impulse-. J. A. Wotton. No. 1,117,296; Nov. 17; Gaz. vol. 208; p. 717.
- Transmitter, Loud-speaking. H. C. Egerton. No. 1,111,253; Sept. 22; Gaz. vol. 206; p. 970.
- Transmitter, Loud-speaking. J. C. R. Palmer and A. P. Pinkler. No. 1,117,231; Nov. 17; Gaz. vol. 208; p. 694.
- Transom, &c., adjusting mechanism. S. Geroux. No. 1,122,200; Dec. 22; Gaz. vol. 209; p. 1267.
- Transom-operator. L. B. Smyser. No. 1,093,296; Apr. 14; Gaz. vol. 201; p. 438.
- Transom-pivot. A. A. E. Sterzing. No. 1,116,511; Nov. 10; Gaz. vol. 208; p. 399.
- Transoms, doors, windows, panels, &c., Closure for. J. Holland. No. 1,091,844; Mar. 31; Gaz. vol. 200; p. 1253.
- Transplanting-box. F. C. Mosier. No. 1,115,089; Oct. 27; Gaz. vol. 207; p. 1075.
- Transport-box, Collapsible. H. T. Shelton, F. W. Steere, and C. Power. No. 1,104,389; July 21; Gaz. vol. 204; p. 839.
- Transportation-line, Combined gravity and power. J. M. Pitkin. No. 1,099,314; June 9; Gaz. vol. 203; p. 366.
- Transporting heavy loads by motor-vehicles, System of. T. Pescatore. No. 1,084,820; Jan. 20; Gaz. vol. 198; p. 579.
- Transporting materials in bulk, System for. T. W. McNeill. No. 1,089,851; Mar. 10; Gaz. vol. 200; p. 451.
- Transporting or landing device. C. H. Bowman. No. 1,085,794; Feb. 3; Gaz. vol. 199; p. 77.
- Transposing device. J. Vaccaro. No. 1,096,651; May 12; Gaz. vol. 202; p. 539.
- Trap: See Animal-trap; Antisiphon-trap; Backwater-trap; Basin-trap; Bath-trap; Bee-trap; Drain-pipe trap; Electric trap; Expansion-trap; Fish-trap; Fly-trap; Game-trap; Gopher-trap; Insect-trap; Insect and fly trap; Jaw-trap; Mouse-trap; Mouse or rat trap; Piston-trap; Rat-trap; Rat or animal trap; Rock-trap; Sand-trap; Sander-device trap; Sanitary trap; Sediment-trap; Self-setting trap; Separator-trap; Sewer-trap; Snare-trap; Steam-trap; Tank-trap; Thermostatic trap.
- Trap. W. F. Alderman. No. 1,108,657; Aug. 25; Gaz. vol. 205; p. 1213.
- Trap. E. B. Arnold. No. 1,108,870; Aug. 25; Gaz. vol. 205; p. 1287.
- Trap. E. A. Berg. No. 1,111,521; Sept. 22; Gaz. vol. 206; p. 1062.
- Trap. J. M. Caraway. No. 1,120,904; Dec. 15; Gaz. vol. 209; p. 782.
- Trap. J. H. Carr. No. 1,114,858; Oct. 27; Gaz. vol. 207; p. 992.
- Trap. E. T. Dawson. No. 1,090,031; Mar. 10; Gaz. vol. 200; p. 513.
- Trap. J. F. Draper and J. J. Taglauer. No. 1,108,724; Aug. 25; Gaz. vol. 205; p. 1236.
- Trap. H. T. G. Fischer. No. 1,102,896; July 7; Gaz. vol. 204; p. 234.
- Trap. W. H. Frost. No. 1,085,599; Feb. 3; Gaz. vol. 199; p. 7.
- Trap. W. Holley. No. 1,122,202; Dec. 22; Gaz. vol. 209; p. 1268.
- Trap. M. E. and R. G. Horr. No. 1,119,962; Dec. 8; Gaz. vol. 209; p. 400.
- Trap. A. M. Houser. No. 1,114,141; Oct. 20; Gaz. vol. 207; p. 686.
- Trap. R. Johnson. No. 1,099,805; June 9; Gaz. vol. 203; p. 535.
- Trap. R. L. Light. No. 1,111,596; Sept. 22; Gaz. vol. 206; p. 1088.
- Tray. H. T. Love. No. 1,114,998; Oct. 27; Gaz. vol. 207; p. 1043.
- Trap. J. W. Lytton. No. 1,090,927; Mar. 24; Gaz. vol. 200; p. 894.
- Trap. J. J. McDonald. No. 1,086,066; Feb. 3; Gaz. vol. 199; p. 175.
- Trap. W. J. McLean. No. 1,112,077; Sept. 29; Gaz. vol. 206; p. 1289.
- Trap. N. Miettunen. No. 1,109,652; Sept. 1; Gaz. vol. 206; p. 280.
- Trap. A. Onderdonk. No. 1,113,043; Oct. 6; Gaz. vol. 207; p. 218.
- Trap. H. G. Renner. No. 1,104,315; July 21; Gaz. vol. 204; p. 812.
- Trap. L. B. Rogers. No. 1,105,458; July 28; Gaz. vol. 204; p. 1263.
- Trap. B. P. Saunders. No. 1,088,099; Feb. 24; Gaz. vol. 199; p. 1020.
- Trap. B. A. Shaw. No. 1,089,975; Mar. 10; Gaz. vol. 200; p. 494.
- Trap. H. B. Stelling. No. 1,117,104; Nov. 10; Gaz. vol. 208; p. 609.
- Trap. T. Watkins. No. 1,117,536; Nov. 17; Gaz. vol. 208; p. 800.
- Trap. T. Zurowski. No. 1,120,114; Dec. 8; Gaz. vol. 209; p. 453.
- Trap attachment, Animal-. A. J. Coleman. No. 1,095,081; Apr. 28; Gaz. vol. 201; p. 1144.
- Trap-door. O. L. Link. No. 1,122,514; Dec. 29; Gaz. vol. 209; p. 1413.
- Trap-door. H. H. Schroyer. No. 1,089,367; Mar. 3; Gaz. vol. 200; p. 235.
- Trap-door attachment. E. Eddelman. No. 1,090,697; Mar. 17; Gaz. vol. 200; p. 785.
- Trap-door mechanism. F. Ahlstrom. No. 1,102,220; June 30; Gaz. vol. 203; p. 1515.
- Trap-door-operating mechanism. H. L. Whitford and F. Ahlstrom. No. 1,102,221; June 30; Gaz. vol. 203; p. 1516.
- Trap for returning water of condensation. O. Baker. No. 1,104,954; July 28; Gaz. vol. 204; p. 1085.
- Trap-mold. J. B. and A. Lukomski. No. 1,107,681; Aug. 18; Gaz. vol. 205; p. 827.
- Trap or drain. F. J. Matthews and J. A. Johnston. No. 1,099,069; June 2; Gaz. vol. 203; p. 238.
- Traveling-case. C. M. Hollingsworth. No. 1,094,207; Apr. 21; Gaz. vol. 201; p. 783.

Alphabetical list of inventions—Continued.

- Traversing water or other fluid mediums, Apparatus for. P. C. Hewitt. No. 1,088,226; Feb. 24; Gaz. vol. 199; p. 1063.
- Trawl-towing block. H. I. Cole. No. 1,086,893; Feb. 10; Gaz. vol. 199; p. 504.
- Tray. J. Jones. No. 1,107,799; Aug. 18; Gaz. vol. 205; p. 868.
- Tray. M. B. Solomon. No. 1,094,261; Apr. 21; Gaz. vol. 201; p. 800.
- Tray and case, Packing. J. N. Hahn. No. 1,116,694; Nov. 10; Gaz. vol. 208; p. 467.
- Tray, Coin-. G. F. Willis. No. 1,095,256; May 5; Gaz. vol. 202; p. 28.
- Tray, Communion-service. W. S. Harpster. No. 1,110,051; Sept. 8; Gaz. vol. 206; p. 463.
- Tray, Crumb-. J. F. Baker. No. 1,095,490; May 5; Gaz. vol. 202; p. 110.
- Tray, Developing-. F. W. Quidas. No. 1,103,076; July 14; Gaz. vol. 204; p. 344.
- Tray-elevator. R. B. Renner. No. 1,086,399; Feb. 10; Gaz. vol. 199; p. 331.
- Tray, Folding pasteboard. H. J. Bruggeman. No. 1,089,316; Mar. 3; Gaz. vol. 200; p. 218.
- Tray for fragile articles, Packing-. J. N. Hahn. No. 1,116,695; Nov. 10; Gaz. vol. 208; p. 467.
- Tray, Shampoo-. D. C. Lewis. No. 1,111,311; Sept. 22; Gaz. vol. 206; p. 989.
- Tray, Wheeled. P. J. Harrah. No. 1,087,878; Feb. 17; Gaz. vol. 199; p. 894.
- Tread. H. P. Macdonald. No. 1,097,656; May 26; Gaz. vol. 202; p. 975.
- Tread, Non-slip. A. G. Uptegraff. No. 1,093,663; Apr. 21; Gaz. vol. 201; p. 601.
- Tread or mat, Self-holding. J. A. Kent. No. 1,113,355; Oct. 13; Gaz. vol. 207; p. 372.
- Tread, Resilient. P. W. Pratt. No. 1,087,682; Feb. 17; Gaz. vol. 199; p. 831.
- Treadle. J. L. L. McCormack. No. 1,115,558; Nov. 3; Gaz. vol. 208; p. 31.
- Treadle mechanism. J. G. L. Bauer. No. 1,103,471; July 14; Gaz. vol. 204; p. 480.
- Tree. *See* Back-pad tree; Boot-tree; Boot or shoe tree; Ironing-tree; Shoe-tree; Shoe or slipper tree.
- Tree. H. A. Ballard. No. 1,106,438; Aug. 11; Gaz. vol. 205; p. 338.
- Tree-balling device. C. I. Helm. No. 1,117,844; Nov. 17; Gaz. vol. 208; p. 910.
- Tree-band. W. Poenicke. No. 1,101,145; June 23; Gaz. vol. 203; p. 1089.
- Tree-felling footboard. P. Graham. No. 1,109,749; Sept. 8; Gaz. vol. 206; p. 356.
- Tree-felling-machine motor. P. R. Kramer. No. 1,085,814; Feb. 3; Gaz. vol. 199; p. 84.
- Tree-fumigating tents, Device for handling. L. L. Sidwell. No. 1,093,656; Apr. 21; Gaz. vol. 201; p. 598.
- Tree-guard. H. J. Neale. No. 1,109,779; Sept. 8; Gaz. vol. 206; p. 366.
- Tree-guard, Knockdown. M. Weixler. No. 1,116,961; Nov. 10; Gaz. vol. 208; p. 559.
- Tree-protector. C. H. Sandahl. No. 1,089,012; Mar. 3; Gaz. vol. 200; p. 116.
- Tree-stand. U. Blomberg. No. 1,114,100; Oct. 20; Gaz. vol. 207; p. 672.
- Tree-support. H. Thoeni. No. 1,084,240; Jan. 13; Gaz. vol. 198; p. 357.
- Tree surgery. E. Peets. No. 1,100,396; June 16; Gaz. vol. 203; p. 777.
- Tree surgery, Composition for. C. L. Whitaker. No. 1,085,652; Feb. 3; Gaz. vol. 199; p. 25.
- Tree treatment. W. S. Sterling. No. 1,094,490; Apr. 28; Gaz. vol. 201; p. 938.
- Trees from frost, Device to protect fruit-. W. E. Mayer. No. 1,095,015; Apr. 28; Gaz. vol. 201; p. 1123.
- Treeing-machine. E. E. Winkley. No. 1,086,496; Feb. 10; Gaz. vol. 199; p. 365.
- Treeing-stand. H. A. Ballard. No. 1,087,423; Feb. 17; Gaz. vol. 199; p. 738.
- Trellis. J. Lytle, Jr. No. 1,083,450; Jan. 6; Gaz. vol. 198; p. 64.
- Trellis. J. J. Williams. No. 1,085,314; Jan. 27; Gaz. vol. 198; p. 785.
- Tremolo mechanism. B. R. Van Valkenburg. No. 1,085,308; Jan. 27; Gaz. vol. 198; p. 783.
- Trench-digging machine. H. S. Brown. No. 1,113,952; Oct. 20; Gaz. vol. 207; p. 620.
- Trenches or ditches, Device for filling in. L. MacLachlan. No. 1,112,016; Sept. 29; Gaz. vol. 206; p. 1268.
- Trenching and grading machine. J. Wheelwright. No. 1,090,770; Mar. 17; Gaz. vol. 200; p. 808.
- Trestle-bracket. J. M. Canfield. No. 1,116,240; Nov. 3; Gaz. vol. 208; p. 264.
- Trestle, Carpenter's. W. H. South. No. 1,103,699; July 14; Gaz. vol. 204; p. 563.
- Trestle for tables, scaffolding, &c. B. F. Vanderslice. No. 1,113,264; Oct. 13; Gaz. vol. 207; p. 340.
- Trestle, Portable metallic. C. H. Doerr. No. 1,097,306; May 19; Gaz. vol. 202; p. 811.
- Trial-plate clamp. G. B. Snow. No. 1,119,051; Dec. 1; Gaz. vol. 209; p. 55.
- Triangle. W. G. Classon. No. 1,101,119; June 23; Gaz. vol. 203; p. 1079.
- Triangle-box. O. Goyette. No. 1,093,123; Apr. 14; Gaz. vol. 201; p. 378.
- Triangle, Carpenter's. J. Grundstrom. No. 1,106,205; Aug. 4; Gaz. vol. 205; p. 216.
- Trick device. J. H. Goss. No. 1,099,793; June 9; Gaz. vol. 203; p. 531.
- Tricycle, Motor-. W. L. Benton. No. 1,103,254; July 14; Gaz. vol. 204; p. 408.
- Tricycle railway and car. J. Jackson. No. 1,122,396; Dec. 29; Gaz. vol. 209; p. 1373.
- Trigger-locking device. F. Smith. No. 1,119,124; Dec. 1; Gaz. vol. 209; p. 78.
- Trimmer. *See* Cabbage-trimmer; Edge-trimmer; Grass-trimmer; Hedge-trimmer; Heel-trimmer; Lawn-trimmer; Lawn-edge trimmer; Wheel-trimmer.
- Trimming and cleaning attachment. A. L. Traver. No. 1,116,170; Nov. 3; Gaz. vol. 208; p. 241.
- Trimming device. J. F. Johnston. No. 1,121,924; Dec. 22; Gaz. vol. 209; p. 1173.
- Trimming-machine. F. H. Perry. No. 1,108,225; Aug. 25; Gaz. vol. 205; p. 1063.
- Trip, Automatic. U. W. Walton. No. 1,115,353; Oct. 27; Gaz. vol. 207; p. 1165.
- Trip device. A. E. Hudson. No. 1,112,453; Oct. 6; Gaz. vol. 207; p. 13.
- Trip mechanism. J. V. Rund. No. 1,115,579; Nov. 3; Gaz. vol. 208; p. 38.
- Tripper, Self-propelling. H. E. Howard. No. 1,087,375; Feb. 17; Gaz. vol. 199; p. 721.
- Tripod and staff, Combination. H. S. Welby. No. 1,093,750; Apr. 21; Gaz. vol. 201; p. 630.
- Tripod-head-locking device. V. Palumbos. No. 1,120,843; Dec. 15; Gaz. vol. 209; p. 759.
- Tripod-head, Panoramic. E. N. White. No. 1,083,575; Jan. 6; Gaz. vol. 198; p. 104.
- Trolley. D. E. Barton. No. 1,085,318; Jan. 27; Gaz. vol. 198; p. 786.
- Trolley. J. E. Geiger. No. 1,088,337; Feb. 24; Gaz. vol. 199; p. 1100.
- Trolley. G. W. Hamilton. No. 1,100,731; June 23; Gaz. vol. 203; p. 944.
- Trolley. R. B. Hinton and O. Kort. No. 1,122,927; Dec. 29; Gaz. vol. 209; p. 1559.
- Trolley. H. Jolly. No. 1,112,912; Oct. 6; Gaz. vol. 207; p. 174.
- Trolley. C. D. Larrabee. No. 1,084,863; Jan. 20; Gaz. vol. 198; p. 594.
- Trolley. W. M. Learnad. No. 1,108,195; Aug. 25; Gaz. vol. 205; p. 1053.
- Trolley. C. H. Light. No. 1,096,379; May 12; Gaz. vol. 202; p. 447.
- Trolley. W. E. Moore. No. 1,119,978; Dec. 8; Gaz. vol. 209; p. 406.
- Trolley. J. M. Olinger. No. 1,114,283; Oct. 20; Gaz. vol. 207; p. 738.
- Trolley. J. Pfeiffer, P. Olah, and A. G. Falkenstein. No. 1,085,613; Feb. 10; Gaz. vol. 199; p. 407.
- Trolley. W. Rohkohl. No. 1,099,618; June 9; Gaz. vol. 203; p. 471.
- Trolley. H. Shaffert. No. 1,090,657; Mar. 17; Gaz. vol. 200; p. 773.
- Trolley. C. A. Soule. No. 1,095,990; May 5; Gaz. vol. 202; p. 277.
- Trolley. F. Strosser. No. 1,122,815; Dec. 29; Gaz. vol. 209; p. 1520.
- Trolley. E. Washington. No. 1,083,715; Jan. 6; Gaz. vol. 198; p. 152.
- Trolley attachment. F. A. Schmedinghoff. No. 1,089,968; Mar. 10; Gaz. vol. 200; p. 492.
- Trolley-base. W. J. Paul. No. 1,114,380; Oct. 20; Gaz. vol. 207; p. 771.
- Trolley-catcher. C. I. Earll. No. 1,110,758; Sept. 15; Gaz. vol. 206; p. 754.
- Trolley-catcher. J. Y. Porter. No. 1,122,420; Dec. 29; Gaz. vol. 209; p. 1380.
- Trolley catcher and retriever. C. W. Merrill. No. 1,094,916; Apr. 28; Gaz. vol. 201; p. 1087.
- Trolley construction, Overhead-. G. Gibbs. No. 1,098,717; June 2; Gaz. vol. 203; p. 123.
- Trolley constructions, Steady-strain device for. O. S. Lyford, Jr. No. 1,087,673; Feb. 17; Gaz. vol. 199; p. 827.
- Trolley-crossing, Insulated. F. C. Hornstein. No. 1,105,662; Aug. 4; Gaz. vol. 204; p. 27.
- Trolley device. S. H. Coyne. No. 1,118,105; Nov. 24; Gaz. vol. 208; p. 1040.
- Trolley for trackless vehicles. W. B. Potter. No. 1,089,957; Mar. 10; Gaz. vol. 200; p. 488.
- Trolley-guard. J. H. Boyd. No. 1,094,870; Apr. 28; Gaz. vol. 201; p. 1072.
- Trolley-guard. R. Dac. No. 1,100,542; June 16; Gaz. vol. 203; p. 826.
- Trolley-guard. J. Lawton. No. 1,106,823; Aug. 11; Gaz. vol. 205; p. 477.
- Trolley-guard. R. L. Queen. No. 1,108,394; Aug. 25; Gaz. vol. 205; p. 1123.
- Trolley-guide. E. H. Cauvel. No. 1,104,104; July 21; Gaz. vol. 204; p. 741.
- Trolley-hanger. J. T. Gary. No. 1,114,130; Oct. 20; Gaz. vol. 207; p. 682.

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- Trolley-harp. A. J. Howe. No. 1,101,284; June 23; Gaz. vol. 203; p. 1136.
- Trolley-harp. C. D. Larrabee. No. 1,085,213; Jan. 27; Gaz. vol. 198; p. 748.
- Trolley-harp. E. J. McCarty. No. 1,107,818; Aug. 18; Gaz. vol. 205; p. 874.
- Trolley-harp. J. W. McKinney. No. 1,098,456; June 2; Gaz. vol. 203; p. 35.
- Trolley-harp attachment. W. Eggers. No. 1,118,847; Nov. 24; Gaz. vol. 208; p. 1297.
- Trolley harp or head. J. J. Barnick. No. 1,095,182; May 5; Gaz. vol. 202; p. 3.
- Trolley-head. O. N. Iverson. No. 1,088,821; Mar. 3; Gaz. vol. 200; p. 50.
- Trolley-head. C. W. Warner. No. 1,116,652; Nov. 10; Gaz. vol. 208; p. 452.
- Trolley-hoist. E. Y. Moore. No. 1,122,295; Dec. 29; Gaz. vol. 209; p. 1340.
- Trolley, Ice-clearing. C. G. Woods. No. 1,086,879; Feb. 10; Gaz. vol. 199; p. 500.
- Trolley, Interbraced pantograph-. J. A. Townsend. No. 1,100,408; June 16; Gaz. vol. 203; p. 782.
- Trolley-line construction, Electric-. L. S. Boggs. No. 1,120,648; Dec. 8; Gaz. vol. 209; p. 644.
- Trolley-mechanism support, Electric-. F. C. Coseo. No. 1,091,734; Mar. 31; Gaz. vol. 200; p. 1212.
- Trolley-mount. E. Rose. No. 1,086,562; Feb. 10; Gaz. vol. 199; p. 389.
- Trolley, Pantograph-. S. B. Stewart, Jr. No. 1,098,133; May 26; Gaz. vol. 202; p. 1144.
- Trolley-pole. W. Blocker. No. 1,111,127; Sept. 22; Gaz. vol. 206; p. 926.
- Trolley-pole. L. J. Deasy. No. 1,115,789; Nov. 3; Gaz. vol. 208; p. 108.
- Trolley-pole. J. Ledwinka. No. 1,099,384; June 9; Gaz. vol. 203; p. 392.
- Trolley-pole and trolley-guard. T. Santore. No. 1,101,666; June 30; Gaz. vol. 203; p. 1319.
- Trolley-pole controller, Automatic. M. B. Jolliffe. No. 1,089,414; Mar. 10; Gaz. vol. 200; p. 299.
- Trolley-pole head. J. Paradowish. No. 1,112,028; Sept. 29; Gaz. vol. 206; p. 1273.
- Trolley-pole retriever. T. B. Shanahan. No. 1,084,172; Jan. 13; Gaz. vol. 198; p. 333.
- Trolley-pole retriever. T. B. Shanahan. No. 1,119,887; Dec. 8; Gaz. vol. 209; p. 375.
- Trolley-pole safety attachment. E. C. and E. E. Gossett. No. 1,110,485; Sept. 15; Gaz. vol. 206; p. 659.
- Trolley-poles for electric traction systems, Socket or base of. E. M. Munro. No. 1,100,680; June 16; Gaz. vol. 203; p. 870.
- Trolley-retriever. C. I. Earll. No. 1,110,757; Sept. 15; Gaz. vol. 206; p. 754.
- Trolley-retriever. C. I. Earll. No. 1,110,759; Sept. 15; Gaz. vol. 206; p. 755.
- Trolley-retriever. P. N. Van Epp. No. 1,107,465; Aug. 18; Gaz. vol. 205; p. 750.
- Trolley, Retrieving-. C. E. Lang. No. 1,102,673; July 7; Gaz. vol. 204; p. 158.
- Trolley, Retrieving-. C. E. Lang. No. 1,109,234; Sept. 1; Gaz. vol. 206; p. 134.
- Trolley-roads, Automatic switch for. R. V. Cheatham. No. 1,083,431; Jan. 6; Gaz. vol. 198; p. 58.
- Trolley-stand. F. W. Bishop. No. 1,118,100; Nov. 24; Gaz. vol. 208; p. 1038.
- Trolley-switch. J. C. Atterbury. No. 1,111,555; Sept. 22; Gaz. vol. 206; p. 1073.
- Trolley-switch. A. Bevan. No. 1,092,891; Apr. 14; Gaz. vol. 201; p. 298.
- Trolley-switch. A. H. Caven. No. 1,111,214; Sept. 22; Gaz. vol. 206; p. 957.
- Trolley-switch. J. G. Munson. No. 1,096,741; May 12; Gaz. vol. 202; p. 568.
- Trolley-switch. R. Wilbur. No. 1,122,344; Dec. 29; Gaz. vol. 209; p. 1356.
- Trolley system, Agricultural. E. W. Sanderson. No. 1,107,228; Aug. 11; Gaz. vol. 205; p. 617.
- Trolley-track. F. L. Hoffman. No. 1,116,425; Nov. 10; Gaz. vol. 208; p. 367.
- Trolley track, Elevated-. V. Wagner. No. 1,090,253; Mar. 17; Gaz. vol. 200; p. 633.
- Trolley-wheel. J. P. Burns. No. 1,083,986; Jan. 13; Gaz. vol. 198; p. 269.
- Trolley-wheel. T. Cavanaugh. No. 1,099,022; June 2; Gaz. vol. 203; p. 224.
- Trolley-wheel. E. U. Down. No. 1,100,960; June 23; Gaz. vol. 203; p. 1025.
- Trolley-wheel. F. L. Eager. No. 1,119,939; Dec. 8; Gaz. vol. 209; p. 393.
- Trolley-wheel. J. W. Homer. No. 1,110,783; Sept. 15; Gaz. vol. 206; p. 763.
- Trolley-wheel. A. Perry. No. 1,087,396; Feb. 17; Gaz. vol. 199; p. 728.
- Trolley-wheel. J. C. Sharp. No. 1,113,913; Oct. 13; Gaz. vol. 207; p. 567.
- Trolley-wheel. C. C. Williams and W. E. Fry. No. 1,084,988; Jan. 20; Gaz. vol. 198; p. 634.
- Trolley-wheel construction. W. H. Arnold. No. 1,093,025; Apr. 14; Gaz. vol. 201; p. 343.
- Trolley-wheel guard. E. W. Warnick. No. 1,093,507; Apr. 14; Gaz. vol. 201; p. 505.
- Trolley-wheel, Lubricating. J. L. Van Steenburg. No. 1,105,470; July 28; Gaz. vol. 204; p. 1267.
- Trolley-wheel mount. W. Ficzek. No. 1,094,890; Apr. 28; Gaz. vol. 201; p. 1078.
- Trolley-wheel mount. G. G. Jones. No. 1,114,770; Oct. 27; Gaz. vol. 207; p. 961.
- Trolley-wheel mount. B. Milewski. No. 1,115,084; Oct. 27; Gaz. vol. 207; p. 1074.
- Trolley-wheel mount. R. C. Showalter. No. 1,092,803; Apr. 7; Gaz. vol. 201; p. 233.
- Trolley-wheel mount. J. R. Stotemyer and W. S. Hensell. No. 1,102,453; July 7; Gaz. vol. 204; p. 81.
- Trolley-wheel mounting. J. Bisesi. No. 1,109,104; Sept. 1; Gaz. vol. 206; p. 87.
- Trolley-wheel, Safety. J. A. Burton. No. 1,096,020; May 12; Gaz. vol. 202; p. 324.
- Trolley-wheel support. L. W. De Young. No. 1,087,221; Feb. 17; Gaz. vol. 199; p. 668.
- Trolley-wire connector. J. Kirby. No. 1,088,707; Mar. 3; Gaz. vol. 200; p. 13.
- Trolley-wire ear. W. C. Starkey. No. 1,085,829; Feb. 3; Gaz. vol. 199; p. 89.
- Trolley-wire hanger. G. H. Bolus. No. 1,121,607; Dec. 22; Gaz. vol. 209; p. 1061.
- Trolley-wire hanger. W. Schaaake. No. 1,113,492; Oct. 13; Gaz. vol. 207; p. 421.
- Trolley-wire hanger. H. Schutte. No. 1,110,578; Sept. 15; Gaz. vol. 206; p. 691.
- Trolley-wire hanger. N. W. Storer. No. 1,100,792; June 23; Gaz. vol. 203; p. 965.
- Trolley-wire splice. W. H. Kempton. No. 1,100,744; June 23; Gaz. vol. 203; p. 948.
- Trolley-wire supporting device. C. de Kand6. No. 1,089,415; Mar. 10; Gaz. vol. 200; p. 300.
- Trolley-wires, &c., Device for suspending. W. H. Watts. No. 1,116,522; Nov. 10; Gaz. vol. 208; p. 403.
- Trolley-wires, Sleet-cutter for. H. E. Eager and A. O. Hagee. No. 1,117,815; Nov. 17; Gaz. vol. 208; p. 901.
- Trolleys, Interlocking overhead. S. B. Stewart, Jr. No. 1,100,268; June 16; Gaz. vol. 203; p. 733.
- Trolleys, Sleet-cutter for overhead. J. E. Dozier. No. 1,101,838; June 30; Gaz. vol. 203; p. 1378.
- Trombones, Water-key for. J. Krause. No. 1,083,620; Jan. 6; Gaz. vol. 198; p. 120.
- Trough: See Crayon-trough; Feed-trough; Feeding-trough; Feeding and watering trough; Hog-trough; Sectional trough; Water-trough; Watering-trough.
- Trough. E. Griffith. No. 1,086,163; Feb. 3; Gaz. vol. 199; p. 208.
- Trough. F. B. Jacobson. No. 1,096,372; May 12; Gaz. vol. 202; p. 445.
- Troughs, Partition for feed-. H. J. Ferris. No. 1,084,934; Jan. 20; Gaz. vol. 198; p. 617.
- Trousers. J. Margolis. No. 1,092,374; Apr. 7; Gaz. vol. 201; p. 86.
- Trousers. J. B. Morton. No. 1,086,685; Feb. 10; Gaz. vol. 199; p. 431.
- Trousers. E. C. Rethorn. No. 1,107,236; Aug. 11; Gaz. vol. 205; p. 620.
- Trousers. I. Scheinman. No. 1,106,587; Aug. 11; Gaz. vol. 205; p. 395.
- Trousers. L. A. Schlesinger. No. 1,112,483; Oct. 6; Gaz. vol. 207; p. 24.
- Trousers. E. O. Sundeen. No. 1,119,661; Dec. 1; Gaz. vol. 209; p. 261.
- Trousers appliance. M. V. Hammack. No. 1,104,188; July 21; Gaz. vol. 204; p. 770.
- Trousers appliance. M. V. Hammack. No. 1,107,300; Aug. 18; Gaz. vol. 205; p. 689.
- Trousers, Continuous waistband for. A. E. Allum. No. 1,123,160; Dec. 29; Gaz. vol. 209; p. 1643.
- Trousers-creaser, Folding. T. C. Turney. No. 1,101,891; June 30; Gaz. vol. 203; p. 1396.
- Trousers-cutting. F. L. Scott. No. 1,114,190; Oct. 20; Gaz. vol. 207; p. 705.
- Trousers, Device for attaching stiffeners to. C. Heymann. No. 1,091,842; Mar. 31; Gaz. vol. 200; p. 1252.
- Trousers-hanger. E. I. Prouty. No. 1,102,545; July 7; Gaz. vol. 204; p. 114.
- Trousers hanger, press, and stretcher. L. G. Locke. No. 1,111,476; Sept. 22; Gaz. vol. 206; p. 1046.
- Trousers-holder. L. Gates and T. F. Graham. No. 1,110,387; Sept. 15; Gaz. vol. 206; p. 624.
- Trousers, Machine for felling waistbands of. W. E. Bailey. No. 1,087,268; Feb. 17; Gaz. vol. 199; p. 684.
- Trousers press and stretcher, Portable. A. B. Cruickshank. No. 1,106,550; Aug. 11; Gaz. vol. 205; p. 381.
- Trousers-presser. W. T. Luckey. No. 1,085,051; Jan. 20; Gaz. vol. 198; p. 656.
- Trousers-stretcher. W. E. Doyle. No. 1,106,137; Aug. 4; Gaz. vol. 205; p. 194.
- Trousers stretching and creasing device. F. Bauer. No. 1,087,707; Feb. 17; Gaz. vol. 199; p. 838.
- Trousers-support. A. R. Tucker. No. 1,097,200; May 19; Gaz. vol. 202; p. 773.
- Trousers, Waistband-lining for. A. A. Brown. No. 1,089,315; Mar. 3; Gaz. vol. 200; p. 218.
- Trowel. C. K. Brandstrom. No. 1,111,433; Sept. 22; Gaz. vol. 206; p. 1031.

Alphabetical list of inventions—Continued.

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- Truck. A. Antoine and J. Roos. No. 1,109,654; Sept. 8; Gaz. vol. 206; p. 321.
- Truck. S. Batteese. No. 1,122,849; Dec. 29; Gaz. vol. 209; p. 1532.
- Truck. S. M. Bickford. No. 1,095,785; May 5; Gaz. vol. 202; p. 209.
- Truck. W. H. Brown. No. 1,096,350; May 12; Gaz. vol. 202; p. 439.
- Truck. E. Cameron. No. 1,116,671; Nov. 10; Gaz. vol. 203; p. 459.
- Truck. W. F. J. Casey and G. Cavin. No. 1,120,131; Dec. 8; Gaz. vol. 209; p. 460.
- Truck. C. M. Fahnestock. No. 1,115,796; Nov. 3; Gaz. vol. 208; p. 111.
- Truck. S. P. Griffin. No. 1,088,983; Mar. 3; Gaz. vol. 200; p. 107.
- Truck. W. L. Hamilton. No. 1,114,752; Oct. 27; Gaz. vol. 207; p. 954.
- Truck. I. O. Hefner. No. 1,099,363; June 9; Gaz. vol. 203; p. 386.
- Truck. E. Holmes. No. 1,100,702; June 16; Gaz. vol. 203; p. 877.
- Truck. F. W. Hussey and C. H. Doty. No. 1,093,560; Apr. 14; Gaz. vol. 201; p. 521.
- Truck. H. E. Johnson. No. 1,091,516; Mar. 31; Gaz. vol. 200; p. 1138.
- Truck. I. McCoon. No. 1,103,796; July 14; Gaz. vol. 204; p. 595.
- Truck. A. R. T. Miller. No. 1,117,586; Nov. 17; Gaz. vol. 208; p. 817.
- Truck. E. P. Porcher. No. 1,122,801; Dec. 29; Gaz. vol. 209; p. 1515.
- Truck. F. F. Porter. No. 1,099,395; June 9; Gaz. vol. 203; p. 396.
- Truck. W. O. Shadbolt. No. 1,116,502; Nov. 10; Gaz. vol. 208; p. 396.
- Truck. F. H. Smith. No. 1,092,544; Apr. 7; Gaz. vol. 201; p. 145.
- Truck. G. F. Starbuck. No. 1,094,822; Apr. 28; Gaz. vol. 201; p. 1056.
- Truck. G. P. Taylor. No. 1,121,052; Dec. 15; Gaz. vol. 209; p. 834.
- Truck. G. P. Taylor. No. 1,122,439; Dec. 29; Gaz. vol. 209; p. 1387.
- Truck and axle mechanism for railway-cars. M. S. Munn. No. 1,105,291; July 28; Gaz. vol. 204; p. 1201.
- Truck attachment for cultivators, &c., Caster-wheel. J. A. Smethers. No. 1,106,742; Aug. 11; Gaz. vol. 205; p. 448.
- Truck attachment for seeders and drags. O. L. Fulton. No. 1,095,962; May 5; Gaz. vol. 202; p. 267.
- Truck, Auto-. T. C. Phillips. No. 1,118,578; Nov. 24; Gaz. vol. 208; p. 1207.
- Truck, Autogrip form-. E. M. Cobb. No. 1,103,486; July 14; Gaz. vol. 204; p. 484.
- Truck, Automobile-. A. W. Hollingshead. No. 1,098,262; May 26; Gaz. vol. 202; p. 1187.
- Truck-bolster. G. T. Johnson and H. W. Stertzbach. No. 1,101,028; June 23; Gaz. vol. 203; p. 1049.
- Truck-bolster. Y. Miyasaki. No. 1,091,375; Mar. 24; Gaz. vol. 200; p. 1045.
- Truck-bolster. W. E. Woodard. No. 1,100,275; June 16; Gaz. vol. 203; p. 735.
- Truck-bolster or other car part. S. Hansson and I. Moeller. No. 1,121,623; Dec. 22; Gaz. vol. 209; p. 1067.
- Truck, Bookbinder's. A. C. Wessmann. No. 1,099,226; June 9; Gaz. vol. 203; p. 337.
- Truck-boxes, Side-liner for. R. Preston. No. 1,089,669; Mar. 10; Gaz. vol. 200; p. 390.
- Truck-brake. R. Huff. No. 1,098,576; June 2; Gaz. vol. 203; p. 77.
- Truck brake, Car-. W. S. Adams. No. 1,119,772; Dec. 1; Gaz. vol. 209; p. 298.
- Truck brake, Hand-. C. E. Badger and F. G. Halladay. No. 1,106,913; Aug. 11; Gaz. vol. 205; p. 508.
- Truck brake, Six-wheel-car-. C. T. Westlake. No. 1,107,637; Aug. 18; Gaz. vol. 205; p. 811.
- Truck brake, Six-wheel-car-. C. T. Westlake. No. 1,107,638; Aug. 18; Gaz. vol. 205; p. 811.
- Truck brake, Six-wheel-car-. C. T. Westlake. No. 1,107,639; Aug. 18; Gaz. vol. 205; p. 812.
- Truck, Brick-lifting. H. B. Crum. No. 1,121,982; Dec. 22; Gaz. vol. 209; p. 1194.
- Truck, Car-. W. S. Adams. No. 1,091,107; Mar. 24; Gaz. vol. 200; p. 957.
- Truck, Car-. W. S. Adams. No. 1,104,761; July 28; Gaz. vol. 204; p. 1017.
- Truck, Car-. W. S. Adams. No. 1,108,110; Aug. 18; Gaz. vol. 205; p. 976.
- Truck, Car-. W. S. Adams. No. 1,108,874; Sept. 1; Gaz. vol. 206; p. 3.
- Truck, Car-. W. S. Adams. No. 1,120,639; Dec. 8; Gaz. vol. 209; p. 641.
- Truck, Car-. W. S. Adams and A. F. H. Head. No. 1,096,340; May 12; Gaz. vol. 202; p. 435.
- Truck, Car-. W. S. Adams and A. F. H. Head. No. 1,096,341; May 12; Gaz. vol. 202; p. 436.
- Truck, Car-. J. C. Barber. No. 1,094,513; Apr. 28; Gaz. vol. 201; p. 945.
- Truck, Car-. J. A. Brooks. No. 1,106,621; Aug. 11; Gaz. vol. 205; p. 407.
- Truck, Car-. T. H. Burnett. No. 1,094,524; Apr. 28; Gaz. vol. 201; p. 949.
- Truck, Car-. C. J. W. Clasen. No. 1,120,690; Dec. 15; Gaz. vol. 209; p. 706.
- Truck, Car-. H. E. Doerr. No. 1,097,969; May 26; Gaz. vol. 202; p. 1088.
- Truck, Car-. O. E. Edwards, Jr. No. 1,118,336; Nov. 24; Gaz. vol. 208; p. 1120.
- Truck, Car-. P. J. Fant. No. 1,094,708; Apr. 28; Gaz. vol. 201; p. 1017.
- Truck, Car-. G. G. Floyd. No. 1,105,897; Aug. 4; Gaz. vol. 205; p. 108.
- Truck, Car-. G. G. Floyd. No. 1,116,050; Nov. 3; Gaz. vol. 208; p. 200.
- Truck, Car-. J. T. Halsey. No. 1,091,431; Mar. 24; Gaz. vol. 200; p. 1063.
- Truck, Car-. J. T. Halsey. No. 1,106,331; Aug. 4; Gaz. vol. 205; p. 256.
- Truck, Car-. A. F. H. Head. No. 1,096,366; May 12; Gaz. vol. 202; p. 443.
- Truck, Car-. A. F. H. Head. No. 1,096,367; May 12; Gaz. vol. 202; p. 444.
- Truck, Car-. A. F. H. Head. No. 1,107,301; Aug. 18; Gaz. vol. 205; p. 690.
- Truck, Car-. C. H. Howard and H. M. Pfleger. No. 1,097,634; May 26; Gaz. vol. 202; p. 966.
- Truck, Car-. R. B. Kendig. No. 1,086,672; Feb. 10; Gaz. vol. 199; p. 427.
- Truck, Car-. J. O. Neikirk. No. 1,098,749; June 2; Gaz. vol. 203; p. 134.
- Truck, Car-. S. S. Riegel. No. 1,120,407; Dec. 8; Gaz. vol. 209; p. 558.
- Truck, Car-. H. R. Stafford. No. 1,114,061; Oct. 20; Gaz. vol. 207; p. 657.
- Truck, Car-. F. Steffens. No. 1,089,163; Mar. 3; Gaz. vol. 200; p. 171.
- Truck, Car-. W. H. Stevenson and G. Gibbs. No. 1,106,339; Aug. 4; Gaz. vol. 205; p. 259.
- Truck, Car-. S. M. Vauclain. No. 1,102,108; June 30; Gaz. vol. 203; p. 1475.
- Truck, Car-. L. D. and M. J. Wiese. No. 1,116,775; Nov. 10; Gaz. vol. 208; p. 495.
- Truck, Combination-. G. C. Witt. No. 1,116,779; Nov. 10; Gaz. vol. 208; p. 496.
- Truck, Convertible hand-. C. W. Brown and A. H. Bowlzer, Jr. No. 1,114,853; Oct. 27; Gaz. vol. 207; p. 990.
- Truck, Cotton-lap-roll. J. A. Morrell. No. 1,104,697; July 21; Gaz. vol. 204; p. 946.
- Truck, Elevating-. E. M. Chapman and C. E. Cowen. No. 1,118,740; Nov. 24; Gaz. vol. 208; p. 1262.
- Truck, Elevating-. J. L. Chesnutt. No. 1,095,267; May 5; Gaz. vol. 202; p. 32.
- Truck, Elevating-. G. E. Clark. No. 1,102,876; July 7; Gaz. vol. 204; p. 228.
- Truck, Elevating-. J. A. Murphy. No. 1,114,282; Oct. 20; Gaz. vol. 207; p. 737.
- Truck, Equalized car-. H. E. Doerr. No. 1,116,034; Nov. 3; Gaz. vol. 208; p. 194.
- Truck equalizer, Car-. J. H. Housman and C. F. Jordan. No. 1,092,530; Apr. 7; Gaz. vol. 201; p. 140.
- Truck, Equalizing car-. C. E. Smith. No. 1,107,857; Aug. 18; Gaz. vol. 205; p. 888.
- Truck for milk-cans. A. L. Russell. No. 1,103,689; July 14; Gaz. vol. 204; p. 560.
- Truck for one-rail tracks. E. B. Peirce. No. 1,092,951; Apr. 14; Gaz. vol. 201; p. 319.
- Truck for railway-cars, Compensating. A. J. Kellogg. No. 1,092,814; Apr. 7; Gaz. vol. 201; p. 237.
- Truck for railway-cars, Six-wheel. W. H. Lewis and J. A. Pilcher. No. 1,095,582; May 5; Gaz. vol. 202; p. 140.
- Truck for railway-cars, Steel. E. I. Dodds. No. 1,121,552; Dec. 15; Gaz. vol. 209; p. 1006.
- Truck for railway-vehicles. H. F. Ball. No. 1,093,966; Apr. 21; Gaz. vol. 201; p. 701.
- Truck for traction-engines, Steering-. J. J. Mathey and W. J. Binard. No. 1,092,376; Apr. 7; Gaz. vol. 201; p. 87.
- Truck, Four-wheel-drive. D. S. Stewart. No. 1,105,218; July 28; Gaz. vol. 204; p. 1175.
- Truck-frame. H. M. Pfleger. No. 1,097,819; May 26; Gaz. vol. 202; p. 1033.
- Truck-frame. I. A. Randel. No. 1,097,045; May 19; Gaz. vol. 202; p. 718.
- Truck frame, Car-. A. Strobel. No. 1,098,463; June 2; Gaz. vol. 203; p. 37.
- Truck frame for locomotives, Trailer-. B. V. H. Johnson and C. T. Westlake. No. 1,099,376; June 9; Gaz. vol. 203; p. 390.
- Truck-frame for traction-engines. E. A. Johnston and C. I. Longenecker. No. 1,117,393; Nov. 17; Gaz. vol. 208; p. 751.
- Truck, Grip-. J. G. Whiteside. No. 1,105,943; Aug. 4; Gaz. vol. 205; p. 125.
- Truck, Hand-. A. E. Bradley. No. 1,108,548; Aug. 25; Gaz. vol. 205; p. 1177.
- Truck, Hand-. J. J. and J. F. Cerney. No. 1,102,872; July 7; Gaz. vol. 204; p. 227.

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- Truck, Hand-. J. Chweiback. No. 1,086,026; Feb. 3; Gaz. vol. 199; p. 160.
- Truck, Hand-. A. Hardenbergh. No. 1,115,428; Oct. 27; Gaz. vol. 207; p. 1192.
- Truck, Hand-. A. Hardenbergh. (Reissue.) No. 13,846; Dec. 15; Gaz. vol. 209; p. 1024.
- Truck, Hand-. F. G. Koehler. No. 1,096,630; May 12; Gaz. vol. 202; p. 531.
- Truck, Hand-. J. C. Moore. No. 1,084,287; Jan. 13; Gaz. vol. 198; p. 371.
- Truck, Hand-. E. L. Peterson. No. 1,092,286; Apr. 7; Gaz. vol. 201; p. 57.
- Truck, Hand-. A. F. Pitkin. No. 1,103,429; July 14; Gaz. vol. 204; p. 465.
- Truck, Hand-. F. S. Ricker. No. 1,090,501; Mar. 17; Gaz. vol. 200; p. 720.
- Truck, Hand-. W. E. Tayman. No. 1,103,162; July 14; Gaz. vol. 204; p. 375.
- Truck, Hand-. C. P. Tolman. No. 1,097,688; May 26; Gaz. vol. 202; p. 986.
- Truck having a dumping-body, Motor-. J. W. Monahan. No. 1,112,024; Sept. 29; Gaz. vol. 206; p. 1271.
- Truck, Ladder-. H. J. Butler. No. 1,113,100; Oct. 6; Gaz. vol. 207; p. 236.
- Truck, Lateral-motion car-. W. H. Wilson. No. 1,085,655; Feb. 3; Gaz. vol. 199; p. 26.
- Truck, Lateral-motion car-. W. H. Wilson. No. 1,117,294; Nov. 17; Gaz. vol. 208; p. 716.
- Truck, Lifting-. C. E. M. Miller. No. 1,104,532; July 21; Gaz. vol. 204; p. 891.
- Truck, Lifting-. C. E. M. Miller. No. 1,104,533; July 21; Gaz. vol. 204; p. 891.
- Truck, Locomotive-. A. F. Batchelder. No. 1,115,158; Oct. 27; Gaz. vol. 207; p. 1100.
- Truck, Locomotive-tender. F. L. Barber and E. W. Webb. No. 1,109,656; Sept. 8; Gaz. vol. 206; p. 322.
- Truck, Locomotive trailing. W. E. Woodard. No. 1,101,227; June 23; Gaz. vol. 203; p. 1117.
- Truck, Mine-car. D. S. Johnston. No. 1,093,783; Apr. 21; Gaz. vol. 201; p. 639.
- Truck, Motor-. S. J. Bernheimer. No. 1,119,225; Dec. 1; Gaz. vol. 209; p. 113.
- Truck, Motor-. W. R. McKeen and W. D. Burton. No. 1,111,915; Sept. 29; Gaz. vol. 206; p. 1238.
- Truck, Motor-. C. A. Ward. No. 1,111,510; Sept. 22; Gaz. vol. 206; p. 1057.
- Truck, Pedestal car-. J. M. Hansen. No. 1,092,357; Apr. 7; Gaz. vol. 201; p. 81.
- Truck, Portable engine-. V. A. Nixon. No. 1,115,725; Nov. 3; Gaz. vol. 208; p. 88.
- Truck, Radial. G. R. Henderson. No. 1,104,667; July 21; Gaz. vol. 204; p. 936.
- Truck, Radial trailer-. V. J. Shepard. No. 1,105,162; July 28; Gaz. vol. 204; p. 1155.
- Truck, Radial trailing. W. A. Austin. No. 1,099,333; June 9; Gaz. vol. 203; p. 374.
- Truck, Rail-handling. T. W. Leahy. No. 1,099,926; June 16; Gaz. vol. 203; p. 614.
- Truck, Railway-car. H. E. Doerr. No. 1,097,968; May 26; Gaz. vol. 202; p. 1087.
- Truck, Railway-car. H. E. Doerr. No. 1,101,621; June 30; Gaz. vol. 203; p. 1304.
- Truck, Railway-car. H. E. Doerr. No. 1,117,170; Nov. 17; Gaz. vol. 208; p. 671.
- Truck, Railway-car. W. F. Richards. No. 1,084,297; Jan. 13; Gaz. vol. 198; p. 375.
- Truck, Railway-car. H. H. Vaughan. No. 1,120,173; Dec. 8; Gaz. vol. 209; p. 475.
- Truck, Reversible. J. F. Eccard and J. Smith. No. 1,117,816; Nov. 17; Gaz. vol. 208; p. 901.
- Truck, Roller-. R. McGinty. No. 1,097,762; May 26; Gaz. vol. 202; p. 1013.
- Truck, Self loading and unloading barrel-. J. S. Goble. No. 1,088,980; Mar. 3; Gaz. vol. 200; p. 106.
- Truck, Self-propelled. G. M. Hoag. No. 1,106,217; Aug. 4; Gaz. vol. 205; p. 219.
- Truck, Self-propelled freight-. J. Sheehan and G. H. Gilman. No. 1,113,584; Oct. 13; Gaz. vol. 207; p. 452.
- Truck side frame. P. J. Howard. No. 1,104,672; July 21; Gaz. vol. 204; p. 938.
- Truck side frame and journal-box, Car-. S. P. Bush. No. 1,107,890; Aug. 18; Gaz. vol. 205; p. 899.
- Truck side frame and making same, Forged car-. W. D. Forsyth. (Reissue.) No. 13,759; June 23; Gaz. vol. 203; p. 1221.
- Truck side frame, Car-. S. P. Bush. No. 1,110,883; Sept. 15; Gaz. vol. 206; p. 800.
- Truck side frame, Car-. H. E. Doerr. No. 1,097,970; May 26; Gaz. vol. 202; p. 1088.
- Truck side frame, Car-. G. T. Johnson. No. 1,084,278; Jan. 13; Gaz. vol. 198; p. 369.
- Truck side frame, Forged car-. W. D. Forsyth. No. 1,083,393; Jan. 6; Gaz. vol. 198; p. 45.
- Truck side frame, Railway-. J. M. Horton. No. 1,121,726; Dec. 22; Gaz. vol. 209; p. 1104.
- Truck side frames, Forging for car-. W. D. Forsyth. No. 1,083,392; Jan. 6; Gaz. vol. 198; p. 44.
- Truck, Six-wheel car-. C. H. Howard and H. M. Pfleger. No. 1,118,903; Nov. 24; Gaz. vol. 208; p. 1315.
- Truck, Six-wheel car-. H. M. Pfleger. No. 1,105,300; July 28; Gaz. vol. 204; p. 1205.
- Truck, Six-wheeled. G. G. Floyd. No. 1,100,425; June 16; Gaz. vol. 203; p. 788.
- Truck, Six-wheeled. E. Posson. No. 1,095,351; May 5; Gaz. vol. 202; p. 61.
- Truck, Spring-equalized. F. L. Barber and E. W. Webb. No. 1,106,027; Aug. 4; Gaz. vol. 205; p. 155.
- Truck-steering mechanism. H. H. Harris. No. 1,083,681; Jan. 6; Gaz. vol. 198; p. 140.
- Truck, Three-wheel. W. S. Harley. No. 1,092,910; Apr. 14; Gaz. vol. 201; p. 305.
- Truck-tipper or means for discharging the contents of trucks and like vehicles. G. A. P. Provay. No. 1,094,246; Apr. 21; Gaz. vol. 201; p. 796.
- Truck, Tongue-. A. W. Bailey. No. 1,118,837; Nov. 24; Gaz. vol. 208; p. 1293.
- Truck, Tongue-. C. A. Hagadone. No. 1,110,298; Sept. 8; Gaz. vol. 206; p. 553.
- Truck, Tongue-. S. B. Hazard. No. 1,099,088; June 2; Gaz. vol. 203; p. 244.
- Truck, Tongue-. P. Roerig. No. 1,108,790; Aug. 25; Gaz. vol. 205; p. 1257.
- Truck, Tongue-. L. J. Welsh. No. 1,107,001; Aug. 11; Gaz. vol. 205; p. 537.
- Truck, Trailer-. J. F. Eccard and J. Smith. No. 1,117,944; Nov. 17; Gaz. vol. 208; p. 943.
- Truck, Transport-. S. B. Hazard. No. 1,120,938; Dec. 15; Gaz. vol. 209; p. 793.
- Truck-wheel, Automobile. G. Walther. No. 1,120,256; Dec. 8; Gaz. vol. 209; p. 504.
- Truck with unloading means, Motor-. G. W. Jackson. No. 1,119,353; Dec. 1; Gaz. vol. 209; p. 156.
- Truck, Wrecking-. J. Egan. No. 1,116,579; Nov. 10; Gaz. vol. 208; p. 425.
- Truck, Wrecking-. R. T. Holmes. No. 1,117,049; Nov. 10; Gaz. vol. 208; p. 590.
- Trucks, Bag-holder for. S. Stanczak. No. 1,116,150; Nov. 3; Gaz. vol. 208; p. 234.
- Trucks, Brake arrangement for six-wheel. W. H. Lewis and J. A. Pilcher. (Reissue.) No. 13,670; Jan. 6; Gaz. vol. 198; p. 210.
- Trucks, Brake mechanism for radial-axle. A. F. H. Head. No. 1,116,422; Nov. 10; Gaz. vol. 208; p. 366.
- Trucks, Brake for hand-. J. H. Compton and W. Crane. No. 1,119,068; Dec. 1; Gaz. vol. 209; p. 60.
- Trucks, Center-bolster for six-wheel car-. C. T. Westlake. No. 1,102,620; July 7; Gaz. vol. 204; p. 141.
- Trucks, Center buffer appliance for railway-. J. McEntyre. No. 1,122,621; Dec. 29; Gaz. vol. 209; p. 1451.
- Trucks, Clasp-brake for railway-. L. J. Berg. No. 1,087,100; Feb. 17; Gaz. vol. 199; p. 624.
- Trucks, Dumping-body for coal. W. H. Hunt. No. 1,104,801; July 28; Gaz. vol. 204; p. 1031.
- Trucks, &c., Extension-body for. G. B. Marx. No. 1,106,104; Aug. 4; Gaz. vol. 205; p. 182.
- Trucks, Folding rack for hand-. N. E. Wedge. No. 1,099,584; June 9; Gaz. vol. 203; p. 460.
- Trucks, Hand-brake for. E. A. Wilson and E. L. Crandall. No. 1,120,581; Dec. 8; Gaz. vol. 209; p. 620.
- Trucks, Lateral-motion device for railway-. H. H. Vaughan. No. 1,099,890; June 9; Gaz. vol. 203; p. 565.
- Trucks, Lateral-motion device for railway-. H. H. Vaughan. No. 1,099,891; June 9; Gaz. vol. 203; p. 565.
- Trucks, Long spring-base for. A. Christianson. No. 1,092,824; Apr. 14; Gaz. vol. 201; p. 276.
- Trucks, Pedestal for car-. H. M. Pfleger. No. 1,118,908; Nov. 24; Gaz. vol. 208; p. 1317.
- Trucks, Platform-frame for hand-. H. E. Johnson. No. 1,099,924; June 16; Gaz. vol. 203; p. 613.
- Trucks, Safety appliance for railway-car. F. G. Willers. No. 1,114,661; Oct. 20; Gaz. vol. 207; p. 869.
- Trucks, Spring structure for railway-car. R. W. Burnett. No. 1,117,780; Nov. 17; Gaz. vol. 208; p. 889.
- Trucks, Suspension-spring for car-. C. E. Barba. No. 1,106,025; Aug. 4; Gaz. vol. 205; p. 154.
- Trucks, Wheel-fender for railway-. I. N. Gates. No. 1,114,131; Oct. 20; Gaz. vol. 207; p. 683.
- Truing and the like, Machine for. H. G. Carlson. No. 1,106,079; Aug. 4; Gaz. vol. 205; p. 172.
- Trumpets, cornets, and like wind instruments, Mute for. H. B. Jay. No. 1,114,886; Oct. 27; Gaz. vol. 207; p. 1002.
- Trunk. C. R. Dennis. No. 1,089,333; Mar. 3; Gaz. vol. 200; p. 223.
- Trunk. J. J. Foote. No. 1,102,257; July 7; Gaz. vol. 204; p. 12.
- Trunk. M. G. Griffin. No. 1,101,126; June 23; Gaz. vol. 203; p. 1082.
- Trunk. R. S. MacGrath. No. 1,111,700; Sept. 22; Gaz. vol. 206; p. 1125.
- Trunk. R. E. Martin. No. 1,087,029; Feb. 10; Gaz. vol. 199; p. 548.
- Trunk. F. W. Meyer. No. 1,120,215; Dec. 8; Gaz. vol. 209; p. 491.
- Trunk. F. W. Meyer. No. 1,121,933; Dec. 22; Gaz. vol. 209; p. 1177.
- Trunk. M. J. Peppard. No. 1,106,581; Aug. 11; Gaz. vol. 205; p. 392.
- Trunk. G. H. Wheary. No. 1,093,223; Apr. 14; Gaz. vol. 201; p. 412.
- Trunk. G. H. Wheary. No. 1,119,133; Dec. 1; Gaz. vol. 209; p. 82.

Alphabetical list of inventions—Continued.

- Trunk. A. W. Winship. No. 1,115,362; Oct. 27; Gaz. vol. 207; p. 1168.
- Trunk and sample-case, Combination. S. T. Whitaker. No. 1,110,020; Sept. 8; Gaz. vol. 206; p. 452.
- Trunk-circuit, Recording toll. J. E. Hilbish. No. 1,119,016; Dec. 1; Gaz. vol. 209; p. 40.
- Trunk, Collapsible. B. L. Urdang. No. 1,088,488; Feb. 24; Gaz. vol. 199; p. 1149.
- Trunk construction. D. Goldsmith. No. 1,104,985; July 28; Gaz. vol. 204; p. 1095.
- Trunk-cover holder. F. C. Temple. No. 1,096,964; May 19; Gaz. vol. 202; p. 690.
- Trunk, Display-. T. H. Stovall. No. 1,105,381; July 28; Gaz. vol. 204; p. 1236.
- Trunk-fastener. S. Meledonian. No. 1,088,917; Mar. 3; Gaz. vol. 200; p. 83.
- Trunk-fastener. J. W. Seward. No. 1,094,867; Apr. 28; Gaz. vol. 201; p. 1071.
- Trunk-filler. E. A. Wolfe. No. 1,092,235; Apr. 7; Gaz. vol. 201; p. 38.
- Trunk-fitting. G. H. Wheary. No. 1,118,982; Dec. 1; Gaz. vol. 209; p. 27.
- Trunk, Folding. A. Warne. No. 1,114,321; Oct. 20; Gaz. vol. 207; p. 751.
- Trunk-hinge fixture. G. H. Wheary. No. 1,118,983; Dec. 1; Gaz. vol. 209; p. 28.
- Trunk lid, Wardrobe-. H. L. Plummer and C. D. Wither-spoon. No. 1,114,383; Oct. 20; Gaz. vol. 207; p. 772.
- Trunk-lock. F. S. Aliano. No. 1,083,720; Jan. 6; Gaz. vol. 198; p. 153.
- Trunk-lock. M. R. Cowell. No. 1,083,522; Jan. 6; Gaz. vol. 198; p. 87.
- Trunk-lock. S. Martin. No. 1,090,736; Mar. 17; Gaz. vol. 200; p. 797.
- Trunk-lock. D. Weissberg. No. 1,122,224; Dec. 22; Gaz. vol. 209; p. 1276.
- Trunk-pistons or the like, Guard or buffer for. K. Barkham. No. 1,099,007; June 2; Gaz. vol. 203; p. 220.
- Trunk, Sectional. F. D. Thompson. No. 1,101,357; June 23; Gaz. vol. 203; p. 1161.
- Trunk structure. P. Myrholm. No. 1,090,745; Mar. 17; Gaz. vol. 200; p. 799.
- Trunk-tie. R. P. Prendergast. No. 1,098,526; June 2; Gaz. vol. 203; p. 59.
- Trunk, Wardrobe-. W. Nagler. No. 1,116,610; Nov. 10; Gaz. vol. 208; p. 436.
- Trunk, Wardrobe-. W. V. Schnur. No. 1,122,428; Dec. 29; Gaz. vol. 209; p. 1383.
- Trunk, Wardrobe-. G. H. Wheary. No. 1,093,225; Apr. 14; Gaz. vol. 201; p. 413.
- Trunk, Wardrobe-. G. H. Wheary. (Reissue.) No. 1,379,2; Aug. 25; Gaz. vol. 205; p. 1291.
- Trunk, Wardrobe-. G. H. Wheary. No. 1,122,451; Dec. 29; Gaz. vol. 209; p. 1392.
- Trunk, Wardrobe-. A. W. Winship. No. 1,096,979; May 19; Gaz. vol. 202; p. 695.
- Trunks and the like, Collapsible and extensible. L. A. Frank. No. 1,119,503; Dec. 1; Gaz. vol. 209; p. 208.
- Trunks, Clothes-hanging attachment for. H. R. Shroyer. No. 1,097,683; May 26; Gaz. vol. 202; p. 984.
- Trunks, Hanger-fixture for. G. H. Wheary. No. 1,093,224; Apr. 14; Gaz. vol. 201; p. 412.
- Trunks, Inside pad for. G. H. Wheary. No. 1,093,226; Apr. 14; Gaz. vol. 201; p. 413.
- Trunking system, Automatic. A. E. Keith. No. 1,101,854; June 30; Gaz. vol. 203; p. 1383.
- Trunking system, Automatic. A. E. Keith. No. 1,113,354; Oct. 13; Gaz. vol. 207; p. 371.
- Trunking system, Automatic. E. A. Mellinger. No. 1,110,071; Sept. 8; Gaz. vol. 206; p. 470.
- Trunking system, Automatic. F. J. Truby. No. 1,122,556; Dec. 29; Gaz. vol. 209; p. 1428.
- Truss. J. T. Haile. No. 1,086,913; Feb. 10; Gaz. vol. 199; p. 511.
- Truss. J. Kahn and T. H. Kane. No. 1,101,189; June 23; Gaz. vol. 203; p. 1103.
- Truss. H. D. O'Brien. No. 1,106,314; Aug. 4; Gaz. vol. 205; p. 251.
- Truss. H. Rudisill. No. 1,104,141; July 21; Gaz. vol. 204; p. 753.
- Truss. D. Voelpel. No. 1,098,599; June 2; Gaz. vol. 203; p. 84.
- Truss. R. L. Ward. No. 1,109,379; Sept. 1; Gaz. vol. 206; p. 187.
- Truss, Animal-. H. A. Brown. No. 1,106,277; Aug. 4; Gaz. vol. 205; p. 238.
- Truss, Hernial. C. Smith. No. 1,095,743; May 5; Gaz. vol. 202; p. 195.
- Truss-pad. J. U. Adams. No. 1,098,546; June 2; Gaz. vol. 203; p. 67.
- Truss-pad. W. H. Van Fossen. No. 1,119,128; Dec. 1; Gaz. vol. 209; p. 80.
- Truss, Pull-tension. W. A. Murray. No. 1,092,783; Apr. 7; Gaz. vol. 201; p. 226.
- Tub: See Bath-tub; Laundry-tub; Washtub.
- Tub-holder. A. C. Dullnig. No. 1,094,644; Apr. 28; Gaz. vol. 201; p. 992.
- Tub stand, Laundry-. J. L. Bayley. No. 1,087,347; Feb. 17; Gaz. vol. 199; p. 710.
- Tube: See Arterial tube; Boiler circulating-tube; Cartridge-tube; Coin-tube; Collapsible tube; Drainage-tube; Floor-tube; Fuse-tube; Helically-corrugated tube; Inner tube; Paste-tube; Phonograph hearing-tube; Rubber tube; Safety-tube; Steam-generator tube; Torpedo-tube; Torque-tube; X-ray tube.
- Tube-bending apparatus. J. Ruckstinat. No. 1,099,669; June 9; Gaz. vol. 203; p. 489.
- Tube-cleaner. W. Ernst and A. A. Patton. No. 1,097,309; May 19; Gaz. vol. 202; p. 812.
- Tube-cleaner. A. F. Froussard. No. 1,110,319; Sept. 15; Gaz. vol. 206; p. 599.
- Tube-cleaner. A. Holdsworth. No. 1,112,008; Sept. 29; Gaz. vol. 206; p. 1266.
- Tube-cleaner, Outside. J. Ogg. No. 1,101,950; June 30; Gaz. vol. 203; p. 1419.
- Tube-cleaning apparatus. H. Baschy. No. 1,119,337; Dec. 1; Gaz. vol. 209; p. 150.
- Tube-corrugating apparatus. L. H. Brinkman. No. 1,120,269; Dec. 8; Gaz. vol. 209; p. 509.
- Tube coupling, Listening-. H. A. Yerkes. No. 1,107,471; Aug. 18; Gaz. vol. 205; p. 753.
- Tube-cutter. J. P. Keeney. No. 1,118,494; Nov. 24; Gaz. vol. 208; p. 1178.
- Tube-cutting machine, Automatic. A. M. Seeley and A. Huether. No. 1,085,946; Feb. 3; Gaz. vol. 199; p. 131.
- Tube-expander. W. J. Frey. No. 1,106,798; Aug. 11; Gaz. vol. 205; p. 467.
- Tube-expander. O. Wiedeke. No. 1,089,170; Mar. 3; Gaz. vol. 200; p. 173.
- Tube-expander. O. Wiedeke. No. 1,102,993; July 7; Gaz. vol. 204; p. 266.
- Tube-expander. O. Wiedeke. No. 1,102,994; July 7; Gaz. vol. 204; p. 267.
- Tube expander and flanger. W. O. Frome. No. 1,088,336; Feb. 24; Gaz. vol. 199; p. 1100.
- Tube-feeding apparatus. W. H. Honiss. No. 1,118,551; Nov. 24; Gaz. vol. 208; p. 1197.
- Tube-finishing machine. L. H. Brinkman. No. 1,095,265; May 5; Gaz. vol. 202; p. 31.
- Tube-flanging machine. T. N. Coffelder. No. 1,104,166; July 21; Gaz. vol. 204; p. 763.
- Tube-forming mechanism, Multiple-. O. J. Groehn. No. 1,112,695; Oct. 6; Gaz. vol. 207; p. 102.
- Tube-forming strip. C. S. Bird and G. R. Wyman. No. 1,101,990; June 30; Gaz. vol. 203; p. 1433.
- Tube-holder. T. C. Hutchinson. No. 1,091,063; Mar. 24; Gaz. vol. 200; p. 941.
- Tube-holder. G. Welch. No. 1,098,141; May 26; Gaz. vol. 202; p. 1146.
- Tube holder, Locked-cop-. H. Dilycock. No. 1,104,172; July 21; Gaz. vol. 204; p. 765.
- Tube-joint, Detachable. M. Blaha. No. 1,086,312; Feb. 3; Gaz. vol. 199; p. 254.
- Tube-machine. T. E. Raffel. No. 1,103,378; July 14; Gaz. vol. 204; p. 448.
- Tube-making apparatus, Seamless-. J. W. Offutt. No. 1,100,695; June 16; Gaz. vol. 203; p. 875.
- Tube-making mechanism. M. Quaas. No. 1,116,735; Nov. 10; Gaz. vol. 208; p. 480.
- Tube-mill. G. C. Howard. No. 1,113,120; Oct. 6; Gaz. vol. 207; p. 243.
- Tube-mill. O. E. Mogensen. No. 1,115,715; Nov. 3; Gaz. vol. 208; p. 85.
- Tube-mill. C. F. Spaulding. No. 1,120,343; Dec. 8; Gaz. vol. 209; p. 536.
- Tube-mill cement-feeder. A. E. Sparrow. No. 1,085,305; Jan. 27; Gaz. vol. 198; p. 782.
- Tube-mill feeder. T. W. Capen. No. 1,086,024; Feb. 3; Gaz. vol. 199; p. 160.
- Tube of variable diameter. H. H. Buffum. No. 1,108,128; Aug. 25; Gaz. vol. 205; p. 1029.
- Tube or pipe joint. C. A. Claffin. No. 1,109,042; Sept. 1; Gaz. vol. 206; p. 66.
- Tube-polishing machine. J. F. Gail. No. 1,119,751; Dec. 1; Gaz. vol. 209; p. 291.
- Tube-rolling apparatus, Seamless-. J. W. Offutt. No. 1,100,696; June 16; Gaz. vol. 203; p. 875.
- Tube-testing apparatus. L. E. and R. B. Hooker. No. 1,101,932; June 30; Gaz. vol. 203; p. 1411.
- Tube-thread protector. J. W. West. No. 1,114,660; Oct. 20; Gaz. vol. 207; p. 869.
- Tubes and apparatus therefor, Process of forming. L. H. Brinkman. No. 1,088,650; Feb. 24; Gaz. vol. 199; p. 1202.
- Tubes and tubular articles, Forming metal. F. A. Buescher. No. 1,120,271; Dec. 8; Gaz. vol. 209; p. 510.
- Tubes, Blow-out guard for inner. L. H. Israel. No. 1,122,760; Dec. 29; Gaz. vol. 209; p. 1499.
- Tubes, Corrugating or folding. L. H. Brinkman. No. 1,120,267; Dec. 8; Gaz. vol. 209; p. 508.
- Tubes, Dies for manufacturing seamless. E. F. Holinger. No. 1,122,753; Dec. 29; Gaz. vol. 209; p. 1497.
- Tubes, Manufacture of seamless. L. D. Davis. No. 1,123,178; Dec. 29; Gaz. vol. 209; p. 1649.
- Tubes, Manufacturing seamless. E. F. Holinger. No. 1,103,966; July 21; Gaz. vol. 204; p. 695.
- Tubes, Means for controlling discharge of material from. J. B. Davis. No. 1,122,869; Dec. 29; Gaz. vol. 209; p. 1540.

Alphabetical list of inventions—Continued.

- Tubes, Package for fragile. C. T. Davis. No. 1,121,232; Dec. 15; Gaz. vol. 209; p. 896.
- Tubing, Apparatus for making welded. W. C. Frick. No. 1,105,764; Aug. 4; Gaz. vol. 205; p. 62.
- Tubing, Apparatus for the manufacture of. P. Patterson. No. 1,114,799; Oct. 27; Gaz. vol. 207; p. 971.
- Tubing catcher and supporter. C. L. Kinney. No. 1,123,197; Dec. 29; Gaz. vol. 209; p. 1656.
- Tubing, Flexible. W. A. Johnston. No. 1,105,795; Aug. 4; Gaz. vol. 205; p. 73.
- Tubing, Machine for forming spiral. A. McMurtrie. No. 1,117,686; Nov. 17; Gaz. vol. 208; p. 855.
- Tubing, Machine for making spiral. G. Lombardi. No. 1,096,513; May 12; Gaz. vol. 202; p. 492.
- Tubing, Manufacture of lap-welded. P. Patterson. No. 1,114,800; Oct. 27; Gaz. vol. 207; p. 971.
- Tubing, Manufacturing metal. M. B. Lloyd. No. 1,120,209; Dec. 8; Gaz. vol. 209; p. 489.
- Tubing, Treating metal. O. D. Killebrew. No. 1,093,435; Apr. 14; Gaz. vol. 201; p. 483.
- Tubing, Welded. L. S. Lachman. No. 1,108,191; Aug. 25; Gaz. vol. 205; p. 1051.
- Tubing-welding apparatus. W. C. Frick. No. 1,105,765; Aug. 4; Gaz. vol. 205; p. 63.
- Tubular bodies, Closing. F. Hegewald. No. 1,089,339; Mar. 3; Gaz. vol. 200; p. 225.
- Tubular boiler for locomotives, Water. P. J. Healy. No. 1,109,526; Sept. 1; Gaz. vol. 206; p. 234.
- Tubular connection-duct. T. E. Murray. No. 1,103,988; July 21; Gaz. vol. 204; p. 701.
- Tubular devices, Mounting for and by. J. H. Abbott. No. 1,105,590; July 28; Gaz. vol. 204; p. 1308.
- Tubular fabric. H. Z. Cobb. No. 1,093,915; Apr. 21; Gaz. vol. 201; p. 686.
- Tubular members, Forming jointure means upon. J. Close. No. 1,093,914; Apr. 21; Gaz. vol. 201; p. 686.
- Tubular transferring systems, Apparatus for. L. Loebenberg. No. 1,112,304; Sept. 29; Gaz. vol. 206; p. 1369.
- Tuck-folding attachment, Multiple. H. Corral. No. 1,106,787; Aug. 11; Gaz. vol. 205; p. 463.
- Tuft-fastener. J. J. Lorz. No. 1,091,888; Mar. 31; Gaz. vol. 200; p. 1267.
- Tuft-making machine. H. I. and G. Klawans. No. 1,100,746; June 23; Gaz. vol. 203; p. 948.
- Tufting-washer. W. F. Robertson. No. 1,111,034; Sept. 22; Gaz. vol. 206; p. 894.
- Tug, Buggy-shaft. B. F. Lefter. No. 1,093,442; Apr. 14; Gaz. vol. 201; p. 486.
- Tug-clip. W. B. Duncan. No. 1,093,173; Apr. 14; Gaz. vol. 201; p. 396.
- Tug-fastener. J. S. Atkinson. No. 1,083,912; Jan. 13; Gaz. vol. 198; p. 244.
- Tug-gear. R. P. Gellrich. No. 1,115,807; Nov. 3; Gaz. vol. 208; p. 114.
- Tug-loop. R. P. Kronke. No. 1,088,908; Mar. 3; Gaz. vol. 200; p. 80.
- Tumbler cleansing and sterilizing apparatus. W. R. Templeton. No. 1,114,066; Oct. 20; Gaz. vol. 207; p. 659.
- Tumbler or drinking-cup holder. L. A. Cornelius. No. 1,098,483; June 2; Gaz. vol. 203; p. 44.
- Tumbler-washer. J. Benzon. No. 1,116,006; Nov. 3; Gaz. vol. 208; p. 185.
- Tumbler-washer. G. C. Rogers. No. 1,087,260; Feb. 17; Gaz. vol. 199; p. 682.
- Tumbling-barrel, Steam-heated. J. Henderson. No. 1,099,041; June 2; Gaz. vol. 203; p. 230.
- Tungsten manufacture. T. W. Frech, Jr. No. 1,089,757; Mar. 10; Gaz. vol. 200; p. 420.
- Tuning device, Electric. E. G. Stalnaker. No. 1,096,065; May 12; Gaz. vol. 202; p. 340.
- Tunnel. A. S. Miller. No. 1,086,779; Feb. 10; Gaz. vol. 199; p. 465.
- Tunnel and constructing same. G. W. Jackson. No. 1,088,152; Feb. 24; Gaz. vol. 199; p. 1038.
- Tunnel-head. S. D. Mosher. No. 1,098,961; June 2; Gaz. vol. 203; p. 205.
- Tunnel-shovel. A. W. Robinson. No. 1,090,233; Mar. 17; Gaz. vol. 200; p. 625.
- Tunnel structure, Subaqueous. O. Hoff. No. 1,085,338; Jan. 27; Gaz. vol. 198; p. 792.
- Tunneling. H. A. Kuhn and W. W. Macfarren. No. 1,093,787; Apr. 21; Gaz. vol. 201; p. 641.
- Tunneling and excavating machine. C. H. Bonnett. No. 1,093,603; Apr. 21; Gaz. vol. 201; p. 579.
- Turbine. E. Anderson. No. 1,083,909; Jan. 13; Gaz. vol. 198; p. 243.
- Turbine. E. Anderson. No. 1,088,761; Mar. 3; Gaz. vol. 200; p. 30.
- Turbine. E. Anderson. No. 1,097,117; May 19; Gaz. vol. 202; p. 744.
- Turbine. E. Anderson. No. 1,097,118; May 19; Gaz. vol. 202; p. 744.
- Turbine. E. Anderson. No. 1,105,602; Aug. 4; Gaz. vol. 205; p. 4.
- Turbine. O. Banner. No. 1,090,441; Mar. 17; Gaz. vol. 200; p. 699.
- Turbine. O. Banner. No. 1,090,442; Mar. 17; Gaz. vol. 200; p. 700.
- Turbine. O. Banner. No. 1,090,443; Mar. 17; Gaz. vol. 200; p. 700.
- Turbine. O. Banner. No. 1,111,349; Sept. 22; Gaz. vol. 206; p. 1003.
- Turbine. J. H. Corthésy. No. 1,108,831; Aug. 25; Gaz. vol. 205; p. 1272.
- Turbine. C. F. and O. J. Crommett. No. 1,110,423; Sept. 15; Gaz. vol. 206; p. 637.
- Turbine. C. W. Dake. No. 1,098,319; May 26; Gaz. vol. 202; p. 1208.
- Turbine. C. W. Dake. No. 1,101,619; June 30; Gaz. vol. 203; p. 1303.
- Turbine. T. V. Elliott. No. 1,084,200; Jan. 13; Gaz. vol. 198; p. 344.
- Turbine. L. S. Flatau. No. 1,097,412; May 19; Gaz. vol. 202; p. 847.
- Turbine. L. S. Flatau. No. 1,099,792; June 9; Gaz. vol. 203; p. 531.
- Turbine. E. E. Hauer. No. 1,102,744; July 7; Gaz. vol. 204; p. 183.
- Turbine. E. E. Hauer. No. 1,102,745; July 7; Gaz. vol. 204; p. 183.
- Turbine. F. M. Henderson and J. A. Pettibon. No. 1,096,368; May 12; Gaz. vol. 202; p. 444.
- Turbine. E. O. Höhn. No. 1,118,419; Nov. 24; Gaz. vol. 208; p. 1150.
- Turbine. H. F. Kalvelage. No. 1,101,077; June 23; Gaz. vol. 203; p. 1066.
- Turbine. J. B. Kirby. No. 1,095,887; May 5; Gaz. vol. 202; p. 242.
- Turbine. F. Kfourrek. No. 1,085,088; Jan. 20; Gaz. vol. 198; p. 668.
- Turbine. F. M. Leavitt. No. 1,088,081; Feb. 24; Gaz. vol. 199; p. 1014.
- Turbine. G. McIntosh. No. 1,095,587; May 5; Gaz. vol. 202; p. 141.
- Turbine. E. Mühl. No. 1,105,992; Aug. 4; Gaz. vol. 205; p. 142.
- Turbine. S. Otis. No. 1,090,495; Mar. 17; Gaz. vol. 200; p. 718.
- Turbine. J. Pesendorfer. No. 1,120,237; Dec. 8; Gaz. vol. 209; p. 498.
- Turbine. A. Pfau. No. 1,117,699; Nov. 17; Gaz. vol. 208; p. 859.
- Turbine. R. H. Rice. No. 1,105,375; July 28; Gaz. vol. 204; p. 1235.
- Turbine. A. Weber. No. 1,108,041; Aug. 18; Gaz. vol. 205; p. 951.
- Turbine-blade. J. Dianovsky. No. 1,094,133; Apr. 21; Gaz. vol. 201; p. 758.
- Turbine-blade. E. Fisher, Jr. No. 1,097,752; May 26; Gaz. vol. 202; p. 1009.
- Turbine-blade attachment. L. Cubelic. No. 1,085,325; Jan. 27; Gaz. vol. 198; p. 788.
- Turbine, Combustion-. G. J. P. Kothe. No. 1,112,809; Oct. 6; Gaz. vol. 207; p. 140.
- Turbine-drill, Pneumatic. R. A. Norling. No. 1,099,392; June 9; Gaz. vol. 203; p. 395.
- Turbine-drill, Pneumatic. R. A. Norling. No. 1,105,825; Aug. 4; Gaz. vol. 205; p. 83.
- Turbine-driven auxiliaries. G. Pagel. No. 1,093,145; Apr. 14; Gaz. vol. 201; p. 386.
- Turbine, Elastic-fluid. K. Alquist. No. 1,118,885; Nov. 24; Gaz. vol. 208; p. 1310.
- Turbine, Elastic-fluid. C. G. Curtis. No. 1,089,115; Mar. 3; Gaz. vol. 200; p. 152.
- Turbine, Elastic-fluid. C. G. Curtis and L. D. Lovekin. No. 1,106,497; Aug. 11; Gaz. vol. 205; p. 362.
- Turbine, Elastic-fluid. J. S. Green. No. 1,116,815; Nov. 10; Gaz. vol. 208; p. 510.
- Turbine, Elastic-fluid. W. Kieser. No. 1,085,136; Jan. 27; Gaz. vol. 198; p. 721.
- Turbine, Elastic-fluid. W. J. A. London. No. 1,095,506; May 5; Gaz. vol. 202; p. 114.
- Turbine, Elastic-fluid. S. A. Moss. No. 1,105,820; Aug. 4; Gaz. vol. 205; p. 82.
- Turbine, Elastic-fluid. C. H. Naylor. No. 1,110,508; Sept. 15; Gaz. vol. 206; p. 667.
- Turbine, Elastic-fluid. F. E. Norton. No. 1,091,011; Mar. 24; Gaz. vol. 200; p. 923.
- Turbine, Elastic-fluid. F. E. Norton. No. 1,094,393; Apr. 21; Gaz. vol. 201; p. 842.
- Turbine, Elastic-fluid. W. Pape. No. 1,092,947; Apr. 14; Gaz. vol. 201; p. 317.
- Turbine, Elastic-fluid. R. H. Rice. No. 1,093,148; Apr. 14; Gaz. vol. 201; p. 387.
- Turbine, Elastic-fluid. C. R. Waller. No. 1,096,081; May 12; Gaz. vol. 202; p. 345.
- Turbine, Elastic-fluid. C. S. Watt. No. 1,119,481; Dec. 1; Gaz. vol. 209; p. 200.
- Turbine, Explosion-. T. C. Andersen. No. 1,099,732; June 9; Gaz. vol. 203; p. 510.
- Turbine, Explosion-. F. Prettnner. No. 1,109,643; Sept. 1; Gaz. vol. 206; p. 277.
- Turbine, Explosion gas-. H. Zoelly. No. 1,089,892; Mar. 10; Gaz. vol. 200; p. 465.
- Turbine, Extraction-. W. Kieser. No. 1,096,919; May 19; Gaz. vol. 202; p. 673.
- Turbine, Gas-. H. Holzwarth. No. 1,113,347; Oct. 13; Gaz. vol. 207; p. 369.
- Turbine-governing mechanism. L. Cubelic. No. 1,093,116; Apr. 14; Gaz. vol. 201; p. 376.

Alphabetical list of inventions—Continued.

- Turbine-governing mechanism, Mixed-pressure. O. Junggren. No. 1,110,491; Sept. 15; Gaz. vol. 206; p. 661.
- Turbine-governing mechanism, Steam. O. Banner. No. 1,117,306; Nov. 17; Gaz. vol. 208; p. 722.
- Turbine, Hydraulic. J. F. Cachin. No. 1,092,091; Mar. 31; Gaz. vol. 200; p. 1335.
- Turbine, Hydraulic. W. M. White. No. 1,114,419; Oct. 20; Gaz. vol. 207; p. 786.
- Turbine installation, Marine. C. A. Parsons, S. S. Cook, and E. B. Chapman. No. 1,117,082; Nov. 10; Gaz. vol. 208; p. 602.
- Turbine, Low-pressure steam. O. Junggren. No. 1,089,710; Mar. 10; Gaz. vol. 200; p. 403.
- Turbine, Mixed-pressure. O. Junggren. No. 1,085,133; Jan. 27; Gaz. vol. 198; p. 720.
- Turbine, Mixed-pressure. C. Junggren. No. 1,091,345; Mar. 24; Gaz. vol. 200; p. 1035.
- Turbine, Mixed-pressure. O. Junggren. (Reissue.) No. 1,377,272; July 14; Gaz. vol. 204; p. 641.
- Turbine, Mixed-pressure. W. Pape. No. 1,085,157; Jan. 27; Gaz. vol. 198; p. 729.
- Turbine, Multiple-stage. G. O. Gridley. No. 1,108,497; Aug. 25; Gaz. vol. 205; p. 1159.
- Turbine, Multistage. T. Thomsen. No. 1,090,110; Mar. 10; Gaz. vol. 200; p. 541.
- Turbine, Multistage elastic-fluid. P. Spiess. No. 1,119,731; Dec. 1; Gaz. vol. 209; p. 285.
- Turbine-nozzle. E. Überlé. No. 1,112,341; Sept. 29; Gaz. vol. 206; p. 1382.
- Turbine nozzle, Steam. W. Kieser. No. 1,112,295; Sept. 29; Gaz. vol. 206; p. 1366.
- Turbine plant, Gas. H. Holzwarth. No. 1,089,055; Mar. 3; Gaz. vol. 200; p. 130.
- Turbine-regulating device, Extraction. W. Kieser. No. 1,096,920; May 19; Gaz. vol. 202; p. 674.
- Turbine-regulating mechanism, Steam. E. D. Dickinson. No. 1,114,713; Oct. 20; Gaz. vol. 207; p. 887.
- Turbine-regulating system, Steam. W. Kieser. No. 1,121,019; Dec. 15; Gaz. vol. 209; p. 821.
- Turbine, Reversing steam. J. Gyulay. No. 1,091,129; Mar. 24; Gaz. vol. 200; p. 965.
- Turbine-rotor. L. C. Loewenstein. No. 1,109,998; Sept. 8; Gaz. vol. 206; p. 445.
- Turbine-rotor. J. F. Metten. No. 1,097,251; May 19; Gaz. vol. 202; p. 791.
- Turbine, Steam. C. W. Dake. No. 1,098,316; May 26; Gaz. vol. 202; p. 1207.
- Turbine, Steam. W. G. Dodd. No. 1,086,703; Feb. 10; Gaz. vol. 199; p. 437.
- Turbine, Steam. W. G. Dodd. No. 1,099,970; June 16; Gaz. vol. 203; p. 629.
- Turbine, Steam. H. J. Kubiak. No. 1,118,557; Nov. 24; Gaz. vol. 208; p. 1199.
- Turbine, Steam. C. B. Rearick. No. 1,084,031; Jan. 13; Gaz. vol. 198; p. 286.
- Turbine, Steam. T. Rigby. No. 1,117,909; Nov. 17; Gaz. vol. 208; p. 931.
- Turbine, Tapped. H. Joos. No. 1,093,934; Apr. 21; Gaz. vol. 201; p. 691.
- Turbine, Twin vacuum. P. F. White and M. M. Leonard. No. 1,112,956; Oct. 6; Gaz. vol. 207; p. 190.
- Turbine, Variable-speed. H. F. Schmidt. No. 1,102,357; July 7; Gaz. vol. 204; p. 47.
- Turbine-wheel. M. E. Thompson. No. 1,108,945; Sept. 1; Gaz. vol. 206; p. 31.
- Turbine wheel, Elastic-fluid. O. Lasche. No. 1,118,361; Nov. 24; Gaz. vol. 208; p. 1129.
- Turbine, Wind. J. G. Childs. No. 1,110,535; Sept. 15; Gaz. vol. 206; p. 676.
- Turbines and other motive-power devices, Apparatus for actuating and governing parts of gas. H. Holzwarth. No. 1,084,740; Jan. 20; Gaz. vol. 198; p. 552.
- Turbines, Arrangement for the regulation of steam. J. Karrer. No. 1,118,355; Nov. 24; Gaz. vol. 208; p. 1127.
- Turbines, compressors, pumps, blasts, and the like, Diffuser for steam. B. Ljungström. No. 1,091,581; Mar. 31; Gaz. vol. 200; p. 1159.
- Turbines, Governing low-pressure. J. G. Callan. No. 1,092,972; Apr. 14; Gaz. vol. 201; p. 325.
- Turbines, Manufacturing blade-rings for steam and gas. F. Ljungström. No. 1,101,645; June 30; Gaz. vol. 203; p. 1312.
- Turbines, Nozzle for. W. Pape. No. 1,085,293; Jan. 27; Gaz. vol. 198; p. 777.
- Turbines or other prime movers connected in parallel. Mechanism for controlling the speed of. H. E. Warren. No. 1,095,178; Apr. 28; Gaz. vol. 201; p. 1180.
- Turbines, Regulating low-pressure. L. Cubelic. No. 1,093,918; Apr. 21; Gaz. vol. 201; p. 687.
- Turbines, Regulating mixed-pressure. B. Krämer. No. 1,110,799; Sept. 15; Gaz. vol. 206; p. 769.
- Turbines, Regulator for mixed-pressure. W. Kieser. No. 1,121,020; Dec. 15; Gaz. vol. 209; p. 822.
- Turbines, Regulator for mixed-pressure. W. Pape. No. 1,092,948; Apr. 14; Gaz. vol. 201; p. 318.
- Turbines, Rotor for elastic-fluid. W. Kieser. No. 1,107,238; Aug. 11; Gaz. vol. 205; p. 621.
- Turbines, Self-balancing device for. F. Ljungström. No. 1,111,312; Sept. 22; Gaz. vol. 206; p. 990.
- Turbines, Steam-regulator for. W. Pape. No. 1,085,156; Jan. 27; Gaz. vol. 198; p. 729.
- Turbines, Steam-regulator for tapped. O. Junggren. No. 1,085,132; Jan. 27; Gaz. vol. 198; p. 720.
- Turbines, Twin-governor mechanism for mixed-pressure. O. Junggren. No. 1,089,709; Mar. 10; Gaz. vol. 200; p. 402.
- Turbo-compressor. O. Banner. No. 1,102,635; July 7; Gaz. vol. 204; p. 146.
- Turbo-compressor. H. Junkers. No. 1,088,585; Feb. 24; Gaz. vol. 199; p. 1181.
- Turbo-displacement engine. L. H. Nash. No. 1,094,919; Apr. 28; Gaz. vol. 201; p. 1088.
- Turbo-generators, Speed-limiting device for. F. R. C. Boyd. No. 1,090,016; Mar. 10; Gaz. vol. 200; p. 508.
- Turf-excavating machine. C. Zelenay. No. 1,113,277; Oct. 13; Gaz. vol. 207; p. 344.
- Turfing-machine. C. V. Nilsson. No. 1,093,645; Apr. 21; Gaz. vol. 201; p. 594.
- Turn-button. J. W. Force. No. 1,087,084; Feb. 10; Gaz. vol. 199; p. 566.
- Turn-button. J. W. Force. No. 1,120,610; Dec. 8; Gaz. vol. 209; p. 631.
- Turn-table. T. C. Beach. No. 1,095,307; May 5; Gaz. vol. 202; p. 46.
- Turn-table. L. W. Brown and P. A. Rasmus. No. 1,112,673; Oct. 6; Gaz. vol. 207; p. 94.
- Turn-table. J. Kitson. No. 1,099,450; June 9; Gaz. vol. 203; p. 414.
- Turn-table. W. A. E. Noble. No. 1,089,582; Mar. 10; Gaz. vol. 200; p. 360.
- Turn-table. J. J. Simmonds. No. 1,094,026; Apr. 21; Gaz. vol. 201; p. 722.
- Turn-table-operating mechanism. J. L. Pilling. No. 1,115,242; Oct. 27; Gaz. vol. 207; p. 1129.
- Turn-table, Self-acting. E. E. Laun and O. Kitchell. No. 1,118,658; Nov. 24; Gaz. vol. 208; p. 1234.
- Turning device, Automatic. M. A. Possons. No. 1,121,395; Dec. 15; Gaz. vol. 209; p. 952.
- Turning, shaping, and screw-threading rods or other metal blanks, Apparatus for. H. S. Land. No. 1,113,023; Oct. 6; Gaz. vol. 207; p. 211.
- Turnbuckle. W. Hardick. No. 1,110,201; Sept. 8; Gaz. vol. 206; p. 518.
- Turnstile. H. R. Langslow. No. 1,101,860; June 30; Gaz. vol. 203; p. 1385.
- Turnstile. L. W. Lohrberg. No. 1,099,754; June 9; Gaz. vol. 203; p. 518.
- Turnstile. S. R. Marks. No. 1,107,975; Aug. 18; Gaz. vol. 205; p. 928.
- Turnstile safety device. E. E. Kent. No. 1,093,935; Apr. 21; Gaz. vol. 201; p. 692.
- Turpentine and resin extractor. J. H. Castana. No. 1,083,802; Jan. 6; Gaz. vol. 198; p. 179.
- Turpentine and resinous substances from wood, Apparatus for extracting. F. W. Waterman. No. 1,099,779; June 9; Gaz. vol. 203; p. 526.
- Turpentine and rosin from wood, Extracting. J. H. Castana. No. 1,111,644; Sept. 22; Gaz. vol. 206; p. 1105.
- Turpentine-condenser. H. L. Hough. No. 1,092,052; Mar. 31; Gaz. vol. 200; p. 1320.
- Turpentine-cup. J. M. Byrd. No. 1,121,472; Dec. 15; Gaz. vol. 209; p. 978.
- Turpentine-extractor. J. M. Hillard. No. 1,103,878; July 14; Gaz. vol. 204; p. 623.
- Turpentine from dross, Apparatus for separating. J. T. Bessent. No. 1,115,379; Oct. 27; Gaz. vol. 207; p. 1174.
- Turpentine-hack. J. T. Worcester. No. 1,108,651; Aug. 25; Gaz. vol. 205; p. 1211.
- Turpentine or turpentine-oil, Depolymerization of. A. Heinemann. No. 1,092,838; Apr. 14; Gaz. vol. 201; p. 281.
- Turpentine, Producing pure. T. W. Pritchard. No. 1,110,819; Sept. 15; Gaz. vol. 206; p. 776.
- Turpentine-receivers, Protector for. I. O. Hamilton. No. 1,118,125; Nov. 24; Gaz. vol. 208; p. 1047.
- Turpentine-separating apparatus. H. L. Hough. No. 1,092,051; Mar. 31; Gaz. vol. 200; p. 1320.
- Turret indicating system. F. W. Wood. No. 1,094,689; Apr. 28; Gaz. vol. 201; p. 1008.
- Tweezers. M. Engelsman. No. 1,095,564; May 5; Gaz. vol. 202; p. 134.
- Tweezers for fish-bones. W. H. Witt. No. 1,117,740; Nov. 17; Gaz. vol. 208; p. 874.
- Twine-curing machine, Binder. J. J. Landsberger. No. 1,096,845; May 19; Gaz. vol. 202; p. 647.
- Twine-cutter. F. E. Neubert. No. 1,085,289; Jan. 27; Gaz. vol. 198; p. 775.
- Twine-cutter. F. J. Thull. No. 1,087,471; Feb. 17; Gaz. vol. 199; p. 756.
- Twine-holder. M. H. Balch and F. Lange. No. 1,121,223; Dec. 15; Gaz. vol. 209; p. 893.
- Twine-holder. R. S. Dickins. No. 1,090,033; Mar. 10; Gaz. vol. 200; p. 514.
- Twine-holder. M. D. Fletcher. No. 1,122,716; Dec. 29; Gaz. vol. 209; p. 1486.
- Twine-holder, Reversible. H. B. Rich. No. 1,108,622; Aug. 25; Gaz. vol. 205; p. 1202.
- Twine machine, Grass. O. T. Waite. No. 1,110,842; Sept. 15; Gaz. vol. 206; p. 784.

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- Twine machines, Feed mechanism for grass. G. L. Gray. No. 1,097,424; May 19; Gaz. vol. 202; p. 850.
- Twist-drill. J. B. Moore. No. 1,122,786; Dec. 29; Gaz. vol. 209; p. 1509.
- Twist-drills, Apparatus for cutting the grooves of. I. Best. No. 1,097,839; May 26; Gaz. vol. 202; p. 1039.
- Twist-drills or the like, Making. J. B. Moore. No. 1,122,787; Dec. 29; Gaz. vol. 209; p. 1510.
- Twister. A. E. Rhoades. No. 1,087,071; Feb. 10; Gaz. vol. 199; p. 561.
- Twisting and covering cord or other materials, Mechanism for. E. W. Cooper. No. 1,100,538; June 16; Gaz. vol. 203; p. 825.
- Twisting-frame. T. A. and H. A. Boyd. No. 1,117,940; Nov. 17; Gaz. vol. 208; p. 942.
- Twisting-machine. G. A. Anderegg. No. 1,108,312; Aug. 25; Gaz. vol. 205; p. 1095.
- Twisting-machine. W. F. Smith. No. 1,104,078; July 21; Gaz. vol. 204; p. 733.
- Twisting-machine. W. G. Staples. No. 1,106,899; Aug. 11; Gaz. vol. 205; p. 503.
- Two-cycle engine. K. Kutzbach. No. 1,114,272; Oct. 20; Gaz. vol. 207; p. 734.
- Two-cycle engine. E. J. Manning. No. 1,122,965; Dec. 29; Gaz. vol. 209; p. 1573.
- Two-cycle engine. J. H. Mosier. No. 1,109,694; Sept. 8; Gaz. vol. 206; p. 337.
- Two-cycle engine. A. F. Riedl. No. 1,091,963; Mar. 31; Gaz. vol. 200; p. 1292.
- Twyer. R. Bernhard. No. 1,097,907; May 26; Gaz. vol. 202; p. 1066.
- Twyer. A. B. Smith. No. 1,101,152; June 23; Gaz. vol. 203; p. 1091.
- Twyer for stokers. A. Alpern. No. 1,123,063; Dec. 29; Gaz. vol. 209; p. 1608.
- Tying device. A. D. Bostwick. No. 1,095,700; May 5; Gaz. vol. 202; p. 180.
- Tying device. G. Kalat. No. 1,097,443; May 19; Gaz. vol. 202; p. 857.
- Type and other machines, Driving or transmission mechanism for. J. S. Bancroft and M. C. Indahl. No. 1,094,623; Apr. 28; Gaz. vol. 201; p. 984.
- Type assembling and distributing machine. H. C. Gammeter. No. 1,094,064; Apr. 21; Gaz. vol. 201; p. 735.
- Type-bar. J. N. Crofut. No. 1,117,797; Nov. 17; Gaz. vol. 208; p. 894.
- Type-bar-casting machines, Casting and controlling mechanism of. H. Degener. No. 1,085,891; Feb. 3; Gaz. vol. 199; p. 110.
- Type bar or slug. M. H. Whittaker. No. 1,098,866; June 2; Gaz. vol. 203; p. 172.
- Type-bars, Matrix for use in the production of. M. H. Whittaker. No. 1,098,867; June 2; Gaz. vol. 203; p. 173.
- Type bars or slugs. M. H. Whittaker and C. Holliwell. No. 1,103,458; July 14; Gaz. vol. 204; p. 475.
- Type-blocks for type-writing and like machines, Making. O. Woodward. No. 1,115,643; Nov. 3; Gaz. vol. 208; p. 60.
- Type-carrier. A. E. Stigberg. No. 1,102,104; June 30; Gaz. vol. 203; p. 1473.
- Type-case. S. A. Neidich. No. 1,089,151; Mar. 3; Gaz. vol. 200; p. 167.
- Type-case. S. A. Neidich. No. 1,091,237; Mar. 24; Gaz. vol. 200; p. 1003.
- Type-case. S. A. Neidich. No. 1,119,859; Dec. 8; Gaz. vol. 209; p. 364.
- Type-case distributing mechanism. H. C. Gammeter. No. 1,094,891; Apr. 28; Gaz. vol. 201; p. 1078.
- Type casting and composing machine. J. S. Thompson. No. 1,119,769; Dec. 1; Gaz. vol. 209; p. 297.
- Type casting and distributing apparatus. S. A. Bhisey. No. 1,122,676; Dec. 29; Gaz. vol. 209; p. 1472.
- Type-casting apparatus. G. Amrhein. No. 1,087,419; Feb. 17; Gaz. vol. 199; p. 736.
- Type-casting machine. L. B. Benton. No. 1,115,773; Nov. 3; Gaz. vol. 208; p. 103.
- Type-casting machine. F. H. Pierpont. No. 1,094,678; Apr. 28; Gaz. vol. 201; p. 1005.
- Type-casting machine. A. Savarese. No. 1,100,495; June 16; Gaz. vol. 203; p. 811.
- Type-casting machine. J. S. Thompson. No. 1,119,733; Dec. 1; Gaz. vol. 209; p. 285.
- Type-casting-machine matrix-holder. J. S. Bancroft and M. C. Indahl. No. 1,094,628; Apr. 28; Gaz. vol. 201; p. 986.
- Type-casting machines, Pump-actuating means for. S. E. Sperry. No. 1,108,804; Aug. 25; Gaz. vol. 205; p. 1262.
- Type-casting machines, Skeleton slug for. E. F. Longwell. No. 1,113,665; Oct. 13; Gaz. vol. 207; p. 479.
- Type-clamp. G. Rule. No. 1,113,249; Oct. 13; Gaz. vol. 207; p. 334.
- Type conveying and distributing apparatus. S. A. Bhisey. No. 1,122,677; Dec. 29; Gaz. vol. 209; p. 1472.
- Type-die. J. S. Duncan. No. 1,102,397; July 7; Gaz. vol. 204; p. 61.
- Type-die. J. S. Duncan. No. 1,102,398; July 7; Gaz. vol. 204; p. 62.
- Type-distributing machine. W. M. Kelly. No. 1,097,331; May 19; Gaz. vol. 202; p. 820.
- Type-form, Readily-changeable. W. R. Allen. No. 1,115,371; Oct. 27; Gaz. vol. 207; p. 1172.
- Type-head shifting and locking mechanism. H. A. Foot-horap. No. 1,119,149; Dec. 1; Gaz. vol. 209; p. 87.
- Type-holder. H. C. Gammeter. No. 1,088,409; Feb. 24; Gaz. vol. 199; p. 1124.
- Type-holder. M. C. Hazel. No. 1,098,499; June 2; Gaz. vol. 203; p. 50.
- Type-holder receptacle. E. H. Frey. No. 1,106,553; Aug. 11; Gaz. vol. 205; p. 382.
- Type-holding device. H. C. Gammeter. No. 1,088,410; Feb. 24; Gaz. vol. 199; p. 1125.
- Type-lines, Clip for locking. G. T. Trundle. No. 1,083,711; Jan. 6; Gaz. vol. 198; p. 150.
- Type-machine centering mechanism. J. S. Bancroft and M. C. Indahl. No. 1,094,624; Apr. 28; Gaz. vol. 201; p. 984.
- Type-machine centering or adjusting mechanism. J. S. Bancroft and M. C. Indahl. No. 1,094,626; Apr. 28; Gaz. vol. 201; p. 985.
- Type-machines, Centering-pin-adjusting mechanism for. M. C. Indahl. No. 1,117,494; Nov. 17; Gaz. vol. 208; p. 786.
- Type making, setting, and justifying machine. B. F. Bellows. No. 1,112,886; Oct. 6; Gaz. vol. 207; p. 166.
- Type-mold. J. S. Bancroft and M. C. Indahl. No. 1,094,625; Apr. 28; Gaz. vol. 201; p. 985.
- Type or matrices. A. J. Campbell. No. 1,115,170; Oct. 27; Gaz. vol. 207; p. 1104.
- Type or matrix. J. N. Banks. No. 1,099,835; June 9; Gaz. vol. 203; p. 544.
- Type or matrix. C. C. Burdine. No. 1,099,485; June 9; Gaz. vol. 203; p. 426.
- Type or matrix. W. S. Coe. No. 1,099,488; June 9; Gaz. vol. 203; p. 427.
- Type or matrix. A. W. F. Guest. No. 1,120,614; Dec. 8; Gaz. vol. 209; p. 632.
- Type or matrix. J. L. Kochenderfer. No. 1,101,290; June 23; Gaz. vol. 203; p. 1138.
- Type or matrix. A. L. Margach. No. 1,105,676; Aug. 4; Gaz. vol. 205; p. 31.
- Type or matrix. L. E. Morrison. No. 1,088,439; Feb. 24; Gaz. vol. 199; p. 1135.
- Type or matrix. J. R. Rogers. No. 1,111,098; Sept. 22; Gaz. vol. 206; p. 916.
- Type-setter. E. Duschler. No. 1,117,812; Nov. 17; Gaz. vol. 208; p. 900.
- Type setting and distributing machine. B. O. Fanslow. No. 1,118,483; Nov. 24; Gaz. vol. 204; p. 1174.
- Type setting and distributing machine. W. S. Lister. No. 1,105,334; July 28; Gaz. vol. 204; p. 1217.
- Type setting and distributing machine. H. C. Osborn. No. 1,094,089; Apr. 21; Gaz. vol. 201; p. 743.
- Type setting and distributing machine. A. W. Ranger. No. 1,103,013; July 7; Gaz. vol. 204; p. 275.
- Type-writer. V. Font y Amador. No. 1,095,063; Apr. 28; Gaz. vol. 201; p. 1138.
- Type-writer. W. J. Giel. No. 1,108,742; Aug. 25; Gaz. vol. 205; p. 1243.
- Type-writer. D. C. Harris. No. 1,114,757; Oct. 27; Gaz. vol. 207; p. 955.
- Type-writer. D. C. Harris. No. 1,115,068; Oct. 27; Gaz. vol. 207; p. 1068.
- Type-writer. D. C. Harris. No. 1,115,069; Oct. 27; Gaz. vol. 207; p. 1068.
- Type-writer. D. C. Harris. No. 1,115,070; Oct. 27; Gaz. vol. 207; p. 1068.
- Type-writer. D. C. Harris. No. 1,115,311; Oct. 27; Gaz. vol. 207; p. 1153.
- Type-writer. E. Reiner. No. 1,097,046; May 19; Gaz. vol. 202; p. 718.
- Type-writer. E. Reiner. No. 1,097,047; May 19; Gaz. vol. 202; p. 719.
- Type-writer. Z. G. Sholes. No. 1,112,851; Oct. 6; Gaz. vol. 207; p. 154.
- Type-writer. Z. G. Sholes and J. M. Fraaz. No. 1,111,868; Sept. 29; Gaz. vol. 206; p. 1222.
- Type-writer. J. M. Smith. No. 1,110,513; Sept. 15; Gaz. vol. 206; p. 669.
- Type-writer. A. G. Snyder. No. 1,114,710; Oct. 20; Gaz. vol. 207; p. 886.
- Type-writer. M. N. Trone. No. 1,101,588; June 30; Gaz. vol. 203; p. 1292.
- Type-writer. J. G. Wallace. No. 1,114,557; Oct. 20; Gaz. vol. 207; p. 835.
- Type-writer. E. H. Wisner. No. 1,098,542; June 2; Gaz. vol. 203; p. 65.
- Type-writer actuator, Automatic. L. R. Roberts and C. L. Davis. No. 1,109,597; Sept. 1; Gaz. vol. 206; p. 259.
- Type-writer and calculator, Combined. J. F. Mays. No. 1,108,921; Sept. 1; Gaz. vol. 206; p. 21.
- Type-writer and the like attaching means. S. C. Nott. No. 1,119,108; Dec. 1; Gaz. vol. 209; p. 73.
- Type-writer and type-bar mechanism therefor. H. Etheridge. No. 1,118,405; Nov. 24; Gaz. vol. 208; p. 1144.
- Type-writer appliance. E. E. Kaser, W. V. Humble, and E. G. Remmers. No. 1,116,076; Nov. 3; Gaz. vol. 208; p. 208.
- Type-writer attachment. A. D. Avery. No. 1,106,612; Aug. 11; Gaz. vol. 205; p. 404.

Alphabetical list of inventions—Continued.

- Type-writer attachment. O. Bancroft. No. 1,088,865; Mar. 3; Gaz. vol. 200; p. 65.
- Type-writer attachment. F. A. Critz, Jr. No. 1,095,960; May 5; Gaz. vol. 202; p. 266.
- Type-writer attachment. F. G. Maloney. No. 1,114,782; Oct. 27; Gaz. vol. 207; p. 965.
- Type-writer attachment. E. L. Rottman. No. 1,100,916; June 23; Gaz. vol. 203; p. 1009.
- Type-writer attachment. G. Smedal. No. 1,096,202; May 12; Gaz. vol. 202; p. 385.
- Type-writer attachment. C. J. Swaim. No. 1,106,120; Aug. 4; Gaz. vol. 205; p. 188.
- Type-writer cabinet, Folding. T. J. Tydings. No. 1,121,422; Dec. 15; Gaz. vol. 209; p. 961.
- Type-writer carriage-stop mechanism. E. S. Newman. No. 1,091,010; Mar. 24; Gaz. vol. 200; p. 922.
- Type-writer, Cipher. K. Ammon. No. 1,120,784; Dec. 15; Gaz. vol. 209; p. 739.
- Type-writer, Cipher. F. Sedgwick. No. 1,085,636; Feb. 3; Gaz. vol. 199; p. 20.
- Type-writer computing attachment. A. F. Smith. No. 1,099,725; June 9; Gaz. vol. 203; p. 508.
- Type-writer copy-holder. E. H. Gardner. No. 1,113,771; Oct. 13; Gaz. vol. 207; p. 517.
- Type-writer desk. J. Vaaler. (Reissue.) No. 13,832; Nov. 24; Gaz. vol. 208; p. 1320.
- Type-writer desk or stand. E. Baltzley. No. 1,084,387; Jan. 13; Gaz. vol. 198; p. 403.
- Type-writer desk, Sectional. J. G. Langdon. No. 1,110,948; Sept. 15; Gaz. vol. 206; p. 822.
- Type-writer envelop holding and feeding attachment. R. D. Gould. No. 1,121,088; Dec. 15; Gaz. vol. 209; p. 846.
- Type-writer eraser attachment. C. E. Beem. No. 1,112,591; Oct. 6; Gaz. vol. 207; p. 65.
- Type-writer erasing device. W. Kline. No. 1,108,994; Sept. 1; Gaz. vol. 206; p. 48.
- Type-writer escapement mechanism. C. K. Rainey. No. 1,104,003; July 21; Gaz. vol. 204; p. 706.
- Type-writer escapement mechanism. A. W. Riches. No. 1,100,844; June 23; Gaz. vol. 203; p. 983.
- Type-writer feed mechanism. H. Etheridge. No. 1,118,406; Nov. 24; Gaz. vol. 208; p. 1145.
- Type-writer foot, Spring-cushion. C. M. Turton. No. 1,114,417; Oct. 20; Gaz. vol. 207; p. 785.
- Type-writer key, Reversible. J. C. E. Allum and J. F. Perkins. No. 1,093,372; Apr. 14; Gaz. vol. 201; p. 464.
- Type-writer, Key-wheel. M. Freudenberg. No. 1,095,099; Apr. 28; Gaz. vol. 201; p. 1150.
- Type-writer manifold attachment. T. Norpoth. No. 1,092,115; Mar. 31; Gaz. vol. 200; p. 1342.
- Type-writer meter. W. B. Winters. No. 1,114,838; Oct. 27; Gaz. vol. 207; p. 985.
- Type-writer, Multiplying. T. F. Williams. No. 1,097,278; May 19; Gaz. vol. 202; p. 801.
- Type-writer-operating mechanism, Automatic. W. S. Ferne. No. 1,115,294; Oct. 27; Gaz. vol. 207; p. 1146.
- Type-writer operator, Automatic. C. L. Davis. No. 1,099,895; June 9; Gaz. vol. 203; p. 566.
- Type-writer operator, Automatic. J. McTammany. No. 1,106,397; Aug. 11; Gaz. vol. 205; p. 323.
- Type-writer paper-holder. J. E. Molle. No. 1,085,060; Jan. 20; Gaz. vol. 198; p. 659.
- Type-writer platen-shifting mechanism. J. A. Ronchetti. No. 1,103,158; July 14; Gaz. vol. 204; p. 374.
- Type-writer, Pneumatic. M. Soblik. No. 1,096,275; May 12; Gaz. vol. 202; p. 412.
- Type-writer ribbon. G. E. Pelton. No. 1,092,856; Apr. 14; Gaz. vol. 201; p. 287.
- Type-writer ribbon-actuating mechanism. G. J. Griffiths and C. H. Roderick. No. 1,110,132; Sept. 8; Gaz. vol. 206; p. 495.
- Type-writer ribbon-feed guide. J. J. Kennedy. No. 1,100,135; June 16; Gaz. vol. 203; p. 687.
- Type-writer ribbon mechanism. G. W. Davis. No. 1,115,177; Oct. 27; Gaz. vol. 207; p. 1106.
- Type-writer ribbon mechanism. T. L. Knapp. No. 1,115,684; Nov. 3; Gaz. vol. 208; p. 75.
- Type-writer ribbon-reversing mechanism. W. P. Kidder. No. 1,104,359; July 21; Gaz. vol. 204; p. 829.
- Type-writer stand, Pedestal. C. A. and C. S. Leopold. No. 1,106,311; Aug. 4; Gaz. vol. 205; p. 250.
- Type-writer support, Folding. H. A. Stone. No. 1,112,944; Oct. 6; Gaz. vol. 207; p. 185.
- Type-writer tabulator. T. E. Buschmann. No. 1,111,293; Sept. 22; Gaz. vol. 206; p. 983.
- Type-writer type-bar. A. Lopez. No. 1,120,396; Dec. 8; Gaz. vol. 209; p. 554.
- Type-writers, Attachment for feeding cards to. I. G. Holiday. No. 1,104,504; July 21; Gaz. vol. 204; p. 880.
- Type-writers, Backing-sheet for. J. W. De Haven. No. 1,118,111; Nov. 24; Gaz. vol. 208; p. 1042.
- Type-writers, Electromagnetic device for operating. G. A. Wikander. No. 1,117,120; Nov. 10; Gaz. vol. 208; p. 614.
- Type-writers, Envelop-addressing attachment for. G. M. Freeman. No. 1,085,900; Feb. 3; Gaz. vol. 199; p. 113.
- Type-writers, Erasing device for. H. I. Seddon. No. 1,083,466; Jan. 6; Gaz. vol. 198; p. 70.
- Type-writers, Paper-positioning device for. C. D. Palmer. No. 1,108,612; Aug. 25; Gaz. vol. 205; p. 1198.
- Type-writers, Roll-paper attachment for. M. C. Stern. No. 1,101,581; June 30; Gaz. vol. 203; p. 1290.
- Type-writers, Roller-bearing for. G. W. Davis. No. 1,097,215; May 19; Gaz. vol. 202; p. 779.
- Type-writers, Tape-copy-holder attachment for. W. Stafford. No. 1,104,568; July 21; Gaz. vol. 204; p. 904.
- Type-writers, Word-meter for. W. B. Winters. No. 1,086,694; Feb. 10; Gaz. vol. 199; p. 434.
- Type-writing and adding machine, Combined. A. H. Ellis. No. 1,091,820; Mar. 31; Gaz. vol. 200; p. 1244.
- Type-writing and computing machine, Combined. R. M. Becker. No. 1,104,468; July 21; Gaz. vol. 204; p. 866.
- Type-writing and computing machine, Combined. W. L. Dench. No. 1,121,808; Dec. 22; Gaz. vol. 209; p. 1132.
- Type-writing and other machines, Key for. R. S. Graham. No. 1,084,005; Jan. 13; Gaz. vol. 198; p. 276.
- Type-writing at a distance, Apparatus for. H. E. M. Schnürer. No. 1,085,496; Jan. 27; Gaz. vol. 198; p. 844.
- Type-writing attachment for adding-machines. F. F. Main. No. 1,110,448; Sept. 15; Gaz. vol. 206; p. 647.
- Type-writing machine. N. H. Anderson. No. 1,084,385; Jan. 13; Gaz. vol. 198; p. 403.
- Type-writing machine. N. H. Anderson. No. 1,120,660; Dec. 15; Gaz. vol. 209; p. 695.
- Type-writing machine. E. E. Barney. No. 1,115,483; Nov. 3; Gaz. vol. 208; p. 5.
- Type-writing machine. J. H. Barr. No. 1,096,010; May 12; Gaz. vol. 202; p. 321.
- Type-writing machine. H. Bates. No. 1,089,037; Mar. 3; Gaz. vol. 200; p. 124.
- Type-writing machine. E. A. Beard. No. 1,116,212; Nov. 3; Gaz. vol. 208; p. 254.
- Type-writing machine. O. Bennett. No. 1,115,275; Oct. 27; Gaz. vol. 207; p. 1140.
- Type-writing machine. E. B. Bishop. No. 1,120,676; Dec. 15; Gaz. vol. 209; p. 701.
- Type-writing machine. R. S. Blair. No. 1,108,485; Aug. 25; Gaz. vol. 205; p. 1154.
- Type-writing machine. C. J. Bond and J. W. Koerner. No. 1,119,922; Dec. 8; Gaz. vol. 209; p. 387.
- Type-writing machine. L. D. Broughton. No. 1,102,238; July 7; Gaz. vol. 204; p. 6.
- Type-writing machine. A. T. Brown. No. 1,098,091; May 26; Gaz. vol. 202; p. 1130.
- Type-writing machine. A. T. Brown. No. 1,098,092; May 26; Gaz. vol. 202; p. 1130.
- Type-writing machine. A. T. Brown. No. 1,098,707; June 2; Gaz. vol. 203; p. 120.
- Type-writing machine. C. H. Brown. No. 1,118,101; Nov. 24; Gaz. vol. 208; p. 1038.
- Type-writing machine. C. H. Brown. No. 1,121,971; Dec. 22; Gaz. vol. 209; p. 1190.
- Type-writing machine. J. G. H. Burboa. No. 1,089,689; Mar. 10; Gaz. vol. 200; p. 396.
- Type-writing machine. S. D. Busz. No. 1,090,597; Mar. 17; Gaz. vol. 200; p. 753.
- Type-writing machine. T. Cahill. No. 1,097,789; May 26; Gaz. vol. 202; p. 1024.
- Type-writing machine. G. W. Campbell. No. 1,114,226; Oct. 20; Gaz. vol. 207; p. 718.
- Type-writing machine. G. W. Campbell. No. 1,114,227; Oct. 20; Gaz. vol. 207; p. 718.
- Type-writing machine. H. A. Carhart. No. 1,106,924; Aug. 11; Gaz. vol. 205; p. 512.
- Type-writing machine. E. A. N. Coladant. No. 1,097,170; May 19; Gaz. vol. 202; p. 763.
- Type-writing machine. T. J. Cole. No. 1,117,793; Nov. 17; Gaz. vol. 208; p. 893.
- Type-writing machine. J. J. Cooper. No. 1,113,103; Oct. 6; Gaz. vol. 207; p. 238.
- Type-writing machine. J. J. Cooper. No. 1,122,865; Dec. 29; Gaz. vol. 209; p. 1538.
- Type-writing machine. C. B. Corcoran. No. 1,100,669; June 16; Gaz. vol. 203; p. 867.
- Type-writing machine. C. B. Corcoran. No. 1,103,900; July 14; Gaz. vol. 204; p. 630.
- Type-writing machine. C. B. Corcoran. No. 1,105,184; July 28; Gaz. vol. 204; p. 1163.
- Type-writing machine. C. B. Corcoran. No. 1,122,232; Dec. 22; Gaz. vol. 209; p. 1279.
- Type-writing machine. D. Crowther and N. C. Hardy. No. 1,091,122; Mar. 24; Gaz. vol. 200; p. 962.
- Type-writing machine. I. L. Dempsey. No. 1,115,653; Nov. 3; Gaz. vol. 208; p. 64.
- Type-writing machine. A. S. Dennis. No. 1,106,929; Aug. 11; Gaz. vol. 205; p. 514.
- Type-writing machine. S. H. Farnham, A. W. Smith, and J. Phelps. No. 1,096,027; May 12; Gaz. vol. 202; p. 326.
- Type-writing machine. J. Felbel. No. 1,083,526; Jan. 6; Gaz. vol. 198; p. 88.
- Type-writing machine. J. Felbel. No. 1,115,292; Oct. 27; Gaz. vol. 207; p. 1146.
- Type-writing machine. H. V. Fengler. No. 1,109,671; Sept. 8; Gaz. vol. 206; p. 328.
- Type-writing machine. H. L. Fisher. No. 1,107,664; Aug. 18; Gaz. vol. 205; p. 821.
- Type-writing machine. R. J. Fisher. (Reissue.) No. 13,790; Aug. 25; Gaz. vol. 205; p. 1288.

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- Type-writing machine. B. P. Fortin. No. 1,085,031; Jan. 20; Gaz. vol. 198; p. 650.
- Type-writing machine. C. T. Frantz. No. 1,118,338; Nov. 24; Gaz. vol. 208; p. 1121.
- Type-writing machine. C. T. Frantz. No. 1,118,339; Nov. 24; Gaz. vol. 208; p. 1121.
- Type-writing machine. W. D. Fricks and H. M. Ashe. No. 1,120,611; Dec. 8; Gaz. vol. 209; p. 631.
- Type-writing machine. G. E. Griffin. No. 1,117,664; Nov. 17; Gaz. vol. 208; p. 846.
- Type-writing machine. W. L. Gumprecht. No. 1,101,070; June 23; Gaz. vol. 203; p. 1063.
- Type-writing machine. C. C. Harting. No. 1,115,669; Nov. 3; Gaz. vol. 208; p. 70.
- Type-writing machine. M. W. Hazen. No. 1,121,094; Dec. 15; Gaz. vol. 209; p. 848.
- Type-writing machine. H. W. Hazen and O. Petermann. No. 1,094,560; Apr. 28; Gaz. vol. 201; p. 961.
- Type-writing machine. W. A. Henning. No. 1,095,573; May 5; Gaz. vol. 202; p. 137.
- Type-writing machine. E. B. Hess. No. 1,100,733; June 23; Gaz. vol. 203; p. 945.
- Type-writing machine. E. B. Hess. No. 1,105,657; Aug. 4; Gaz. vol. 205; p. 25.
- Type-writing machine. E. B. Hess and L. C. Myers. No. 1,084,547; Jan. 13; Gaz. vol. 198; p. 455.
- Type-writing machine. H. W. Higham and P. Risley. No. 1,102,752; July 7; Gaz. vol. 204; p. 186.
- Type-writing machine. F. W. Hillard. No. 1,088,421; Feb. 24; Gaz. vol. 199; p. 1123.
- Type-writing machine. W. H. Hulse. No. 1,086,054; Feb. 3; Gaz. vol. 199; p. 170.
- Type-writing machine. C. H. Hunter. No. 1,099,982; June 16; Gaz. vol. 203; p. 632.
- Type-writing machine. W. S. Ireland. No. 1,098,113; May 26; Gaz. vol. 202; p. 1137.
- Type-writing machine. W. S. Ireland. No. 1,098,114; May 26; Gaz. vol. 202; p. 1137.
- Type-writing machine. W. S. Ireland. No. 1,098,117; May 26; Gaz. vol. 202; p. 1139.
- Type-writing machine. A. E. Karlberg and M. B. Sargent. No. 1,105,081; July 28; Gaz. vol. 204; p. 1129.
- Type-writing machine. R. B. Kettlewell. No. 1,092,841; Apr. 14; Gaz. vol. 201; p. 282.
- Type-writing machine. W. P. Kidder. No. 1,121,018; Dec. 15; Gaz. vol. 209; p. 821.
- Type-writing machine. W. P. Kidder. No. 1,122,764; Dec. 29; Gaz. vol. 209; p. 1501.
- Type-writing machine. T. L. Knapp. No. 1,112,626; Oct. 6; Gaz. vol. 207; p. 77.
- Type-writing machine. T. L. Knapp. No. 1,115,685; Nov. 3; Gaz. vol. 208; p. 75.
- Type-writing machine. A. G. F. Kurowski. No. 1,090,219; Mar. 17; Gaz. vol. 200; p. 620.
- Type-writing machine. A. G. F. Kurowski. No. 1,090,480; Mar. 17; Gaz. vol. 200; p. 713.
- Type-writing machine. A. G. F. Kurowski. No. 1,106,950; Aug. 11; Gaz. vol. 205; p. 521.
- Type-writing machine. A. G. F. Kurowski. No. 1,117,405; Nov. 17; Gaz. vol. 208; p. 755.
- Type-writing machine. A. G. F. Kurowski. No. 1,121,638; Dec. 22; Gaz. vol. 209; p. 1073.
- Type-writing machine. E. G. Latta. No. 1,115,077; Oct. 27; Gaz. vol. 207; p. 1071.
- Type-writing machine. M. H. Lockwood. No. 1,085,746; Feb. 3; Gaz. vol. 199; p. 59.
- Type-writing machine. M. H. Lockwood. No. 1,118,140; Nov. 24; Gaz. vol. 208; p. 1051.
- Type-writing machine. E. H. Lorenz. No. 1,122,775; Dec. 29; Gaz. vol. 209; p. 1505.
- Type-writing machine. W. A. Lorenz. No. 1,120,726; Dec. 15; Gaz. vol. 209; p. 719.
- Type-writing machine. C. F. Lundberg. No. 1,113,227; Oct. 13; Gaz. vol. 207; p. 326.
- Type-writing machine. C. F. Lundberg. No. 1,121,642; Dec. 22; Gaz. vol. 209; p. 1074.
- Type-writing machine. J. K. Lux. No. 1,092,779; Apr. 7; Gaz. vol. 201; p. 225.
- Type-writing machine. J. C. McLaughlin. No. 1,085,056; Jan. 20; Gaz. vol. 198; p. 657.
- Type-writing machine. J. C. McLaughlin. No. 1,090,321; Mar. 17; Gaz. vol. 200; p. 655.
- Type-writing machine. J. C. McLaughlin. No. 1,096,807; May 12; Gaz. vol. 202; p. 591.
- Type-writing machine. W. P. McLaughlin. No. 1,104,209; July 21; Gaz. vol. 204; p. 777.
- Type-writing machine. V. J. Mohler. No. 1,096,791; May 12; Gaz. vol. 202; p. 585.
- Type-writing machine. L. C. Myers. No. 1,092,380; Apr. 7; Gaz. vol. 201; p. 88.
- Type-writing machine. L. C. Myers. No. 1,094,162; Apr. 21; Gaz. vol. 201; p. 763.
- Type-writing machine. L. C. Myers. No. 1,108,926; Sept. 1; Gaz. vol. 206; p. 23.
- Type-writing machine. W. J. Neidig. No. 1,087,045; Feb. 10; Gaz. vol. 199; p. 553.
- Type-writing machine. W. J. Neidig. No. 1,093,798; Apr. 21; Gaz. vol. 201; p. 645.
- Type-writing machine. W. J. Neidig. No. 1,110,641; Sept. 15; Gaz. vol. 206; p. 714.
- Type-writing machine. W. J. Neidig. No. 1,111,401; Sept. 22; Gaz. vol. 206; p. 1020.
- Type-writing machine. W. J. Neidig. No. 1,112,408; Sept. 29; Gaz. vol. 206; p. 1407.
- Type-writing machine. W. J. Neidig. No. 1,113,163; Oct. 6; Gaz. vol. 207; p. 259.
- Type-writing machine. W. J. Neidig. No. 1,113,572; Oct. 13; Gaz. vol. 207; p. 448.
- Type-writing machine. W. J. Neidig. No. 1,114,633; Oct. 20; Gaz. vol. 207; p. 859.
- Type-writing machine. W. J. Neidig. No. 1,114,795; Oct. 27; Gaz. vol. 207; p. 970.
- Type-writing machine. A. V. Nibourel. No. 1,102,429; July 7; Gaz. vol. 204; p. 73.
- Type-writing machine. H. E. Payne. No. 1,121,284; Dec. 15; Gaz. vol. 209; p. 914.
- Type-writing machine. O. Petermann. No. 1,089,345; Mar. 3; Gaz. vol. 200; p. 227.
- Type-writing machine. O. Petermann. No. 1,113,576; Oct. 13; Gaz. vol. 207; p. 450.
- Type-writing machine. O. Petermann. No. 1,116,476; Nov. 10; Gaz. vol. 208; p. 385.
- Type-writing machine. O. Petermann. No. 1,121,034; Dec. 15; Gaz. vol. 209; p. 826.
- Type-writing machine. O. Petermann. No. 1,121,037; Dec. 15; Gaz. vol. 209; p. 827.
- Type-writing machine. O. Petermann. No. 1,121,042; Dec. 15; Gaz. vol. 209; p. 830.
- Type-writing machine. O. Petermann. No. 1,121,043; Dec. 15; Gaz. vol. 209; p. 830.
- Type-writing machine. O. Petermann. No. 1,121,044; Dec. 15; Gaz. vol. 209; p. 830.
- Type-writing machine. E. L. Pfunder. No. 1,089,075; Mar. 3; Gaz. vol. 200; p. 137.
- Type-writing machine. J. Phelps. No. 1,100,442; June 16; Gaz. vol. 203; p. 793.
- Type-writing machine. A. Reisser. No. 1,110,346; Sept. 15; Gaz. vol. 206; p. 610.
- Type-writing machine. J. A. Rennie. No. 1,090,878; Mar. 24; Gaz. vol. 200; p. 877.
- Type-writing machine. J. A. Rennie. No. 1,098,840; June 2; Gaz. vol. 203; p. 163.
- Type-writing machine. F. C. Roberts. No. 1,098,407; June 2; Gaz. vol. 203; p. 18.
- Type-writing machine. L. R. Roberts. No. 1,110,648; Sept. 15; Gaz. vol. 206; p. 717.
- Type-writing machine. L. R. Roberts. No. 1,110,825; Sept. 15; Gaz. vol. 206; p. 778.
- Type-writing machine. F. A. Robinson. No. 1,102,688; July 7; Gaz. vol. 204; p. 162.
- Type-writing machine. J. A. Ronchetti. No. 1,094,816; Apr. 28; Gaz. vol. 201; p. 1054.
- Type-writing machine. J. A. Ronchetti. No. 1,116,490; Nov. 10; Gaz. vol. 208; p. 391.
- Type-writing machine. J. A. Ronchetti. No. 1,120,747; Dec. 15; Gaz. vol. 209; p. 726.
- Type-writing machine. J. A. Ronchetti. No. 1,120,976; Dec. 15; Gaz. vol. 209; p. 805.
- Type-writing machine. M. B. Sargent and A. E. Karlberg. No. 1,098,057; May 26; Gaz. vol. 202; p. 1118.
- Type-writing machine. M. B. Sargent and A. E. Karlberg. No. 1,119,644; Dec. 1; Gaz. vol. 209; p. 256.
- Type-writing machine. S. Schiff. No. 1,104,278; July 21; Gaz. vol. 204; p. 800.
- Type-writing machine. G. A. Seib. No. 1,118,065; Nov. 24; Gaz. vol. 208; p. 1026.
- Type-writing machine. C. H. Shepard. No. 1,092,406; Apr. 7; Gaz. vol. 201; p. 97.
- Type-writing machine. C. H. Shepard. No. 1,115,871; Nov. 3; Gaz. vol. 208; p. 137.
- Type-writing machine. A. W. Smith. No. 1,106,898; Aug. 11; Gaz. vol. 205; p. 503.
- Type-writing machine. A. W. Smith. No. 1,110,407; Sept. 15; Gaz. vol. 206; p. 631.
- Type-writing machine. A. W. Smith. No. 1,110,464; Sept. 15; Gaz. vol. 206; p. 652.
- Type-writing machine. A. W. Smith. No. 1,114,198; Oct. 20; Gaz. vol. 207; p. 708.
- Type-writing machine. A. W. Smith. No. 1,116,144; Nov. 3; Gaz. vol. 208; p. 233.
- Type-writing machine. C. E. Smith. No. 1,113,255; Oct. 13; Gaz. vol. 207; p. 336.
- Type-writing machine. G. H. Smith. No. 1,087,990; Feb. 24; Gaz. vol. 199; p. 981.
- Type-writing machine. J. A. B. Smith. No. 1,107,372; Aug. 18; Gaz. vol. 205; p. 716.
- Type-writing machine. S. T. Smith. No. 1,102,360; July 7; Gaz. vol. 204; p. 48.
- Type-writing machine. J. Sokolov. No. 1,094,609; Apr. 28; Gaz. vol. 201; p. 978.
- Type-writing machine. H. H. Steele. No. 1,089,446; Mar. 10; Gaz. vol. 200; p. 311.
- Type-writing machine. H. H. Steele. No. 1,096,646; May 12; Gaz. vol. 202; p. 537.
- Type-writing machine. H. H. Steele. No. 1,106,420; Aug. 11; Gaz. vol. 205; p. 332.
- Type-writing machine. H. H. Steele. No. 1,106,744; Aug. 11; Gaz. vol. 205; p. 449.
- Type-writing machine. H. H. Steele. No. 1,110,082; Sept. 8; Gaz. vol. 206; p. 475.

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- Type-writing machine. B. C. Stickney. No. 1,092,230; Apr. 7; Gaz. vol. 201; p. 36.
- Type-writing machine. B. C. Stickney. No. 1,093,298; Apr. 14; Gaz. vol. 201; p. 439.
- Type-writing machine. B. C. Stickney. No. 1,098,922; June 2; Gaz. vol. 203; p. 193.
- Type-writing machine. B. C. Stickney. No. 1,098,923; June 2; Gaz. vol. 203; p. 193.
- Type-writing machine. B. C. Stickney. No. 1,099,213; June 9; Gaz. vol. 203; p. 331.
- Type-writing machine. B. C. Stickney. No. 1,099,270; June 9; Gaz. vol. 203; p. 351.
- Type-writing machine. B. C. Stickney. No. 1,100,104; June 16; Gaz. vol. 203; p. 676.
- Type-writing machine. B. C. Stickney. No. 1,100,269; June 16; Gaz. vol. 203; p. 733.
- Type-writing machine. B. C. Stickney. No. 1,100,453; June 16; Gaz. vol. 203; p. 796.
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- Type-writing machine. B. C. Stickney. No. 1,100,455; June 16; Gaz. vol. 203; p. 797.
- Type-writing machine. B. C. Stickney. No. 1,101,765; June 30; Gaz. vol. 203; p. 1352.
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- Type-writing machine. B. C. Stickney. No. 1,108,805; Aug. 25; Gaz. vol. 205; p. 1262.
- Type-writing machine. E. E. Strong. No. 1,099,134; June 2; Gaz. vol. 203; p. 260.
- Type-writing machine. E. E. Strong. No. 1,106,424; Aug. 11; Gaz. vol. 205; p. 333.
- Type-writing machine. R. H. Strother. No. 1,116,156; Nov. 3; Gaz. vol. 208; p. 236.
- Type-writing machine. R. W. Uhlig. No. 1,098,925; June 2; Gaz. vol. 203; p. 194.
- Type-writing machine. R. W. Uhlig. No. 1,114,315; Oct. 20; Gaz. vol. 207; p. 749.
- Type-writing machine. R. W. Uhlig. No. 1,114,316; Oct. 20; Gaz. vol. 207; p. 749.
- Type-writing machine. R. W. Uhlig. No. 1,117,279; Nov. 17; Gaz. vol. 208; p. 711.
- Type-writing machine. C. H. Vogel. No. 1,100,410; June 16; Gaz. vol. 203; p. 783.
- Type-writing machine. C. H. Vogel. No. 1,100,795; June 23; Gaz. vol. 203; p. 966.
- Type-writing machine. C. H. Vogel. No. 1,101,108; June 23; Gaz. vol. 203; p. 1076.
- Type-writing machine. L. A. Wernery. No. 1,108,415; Aug. 25; Gaz. vol. 205; p. 1128.
- Type-writing machine. C. B. Yaw. No. 1,106,435; Aug. 11; Gaz. vol. 205; p. 337.
- Type-writing machine. C. B. Yaw. No. 1,114,218; Oct. 20; Gaz. vol. 207; p. 715.
- Type-writing machine. G. Ziegler. No. 1,098,605; June 2; Gaz. vol. 203; p. 86.
- Type-writing-machine adding attachment. W. Wright. No. 1,095,060; Apr. 28; Gaz. vol. 201; p. 1137.
- Type-writing-machine and the like hood. M. W. Potter. No. 1,098,969; June 2; Gaz. vol. 203; p. 207.
- Type-writing-machine attachment. A. E. Karlberg and M. B. Sargent. No. 1,121,370; Dec. 15; Gaz. vol. 209; p. 943.
- Type-writing-machine cabinet. J. L. Duncan. No. 1,122,372; Dec. 29; Gaz. vol. 209; p. 1365.
- Type-writing-machine carriage. M. W. Hazen. No. 1,092,837; Apr. 14; Gaz. vol. 201; p. 280.
- Type-writing-machine carriage. O. Petermann. No. 1,088,924; Mar. 3; Gaz. vol. 200; p. 86.
- Type-writing-machine escapement mechanism. O. Petermann. No. 1,121,040; Dec. 15; Gaz. vol. 209; p. 829.
- Type-writing-machine feed mechanism. O. Petermann. No. 1,121,033; Dec. 15; Gaz. vol. 209; p. 826.
- Type-writing-machine frame. T. L. Knapp and C. C. Harting. No. 1,110,062; Sept. 8; Gaz. vol. 206; p. 467.
- Type-writing-machine ink-ribbon guide. M. B. Sargent and A. E. Karlberg. No. 1,114,532; Oct. 20; Gaz. vol. 207; p. 827.
- Type-writing-machine key and type-bar operating mechanism. J. Alexander. No. 1,105,543; July 28; Gaz. vol. 204; p. 1291.
- Type-writing-machine line-spacing mechanism. L. H. Friedman. No. 1,094,432; Apr. 28; Gaz. vol. 201; p. 916.
- Type-writing-machine line-spacing mechanism. O. Petermann. No. 1,121,031; Dec. 15; Gaz. vol. 209; p. 825.
- Type-writing-machine operator. L. R. Roberts. No. 1,114,044; Oct. 20; Gaz. vol. 207; p. 650.
- Type-writing-machine platen-shift. O. Petermann. No. 1,121,035; Dec. 15; Gaz. vol. 209; p. 826.
- Type-writing-machine platen-shift. O. Petermann. No. 1,121,041; Dec. 15; Gaz. vol. 209; p. 829.
- Type-writing-machine ribbon mechanism. L. C. Myers. No. 1,084,656; Jan. 20; Gaz. vol. 198; p. 521.
- Type-writing-machine ribbon mechanism. L. C. Myers. No. 1,088,790; Mar. 3; Gaz. vol. 200; p. 40.
- Type-writing-machine ribbon mechanism. O. Petermann. No. 1,121,032; Dec. 15; Gaz. vol. 209; p. 825.
- Type-writing-machine ribbon mechanism. O. Petermann. No. 1,121,038; Dec. 15; Gaz. vol. 209; p. 828.
- Type-writing-machine ribbon mechanism. J. A. Ziegler. No. 1,115,648; Nov. 3; Gaz. vol. 208; p. 62.
- Type-writing-machine ribbon-operating mechanism. J. Alexander. No. 1,091,179; Mar. 24; Gaz. vol. 200; p. 983.
- Type-writing-machine shift-key attachment. A. Lopez. No. 1,118,664; Nov. 24; Gaz. vol. 208; p. 1236.
- Type-writing machine, Shorthand. G. K. Anderson. No. 1,108,660; Aug. 25; Gaz. vol. 205; p. 1215.
- Type-writing machine, Shorthand. G. K. Anderson. No. 1,108,661; Aug. 25; Gaz. vol. 205; p. 1215.
- Type-writing machine, Stenographic. W. S. Ireland. No. 1,098,115; May 26; Gaz. vol. 202; p. 1138.
- Type-writing-machine tabulating mechanism. C. Gabrielson. No. 1,117,658; Nov. 17; Gaz. vol. 208; p. 844.
- Type-writing machines, Automatic carriage-return for. W. H. Kilbourn. No. 1,095,282; May 5; Gaz. vol. 202; p. 37.
- Type-writing machines, Bar mechanism for. O. Petermann. No. 1,087,459; Feb. 17; Gaz. vol. 199; p. 751.
- Type-writing machines, Card guiding and holding device for. G. F. Handley. No. 1,121,829; Dec. 22; Gaz. vol. 209; p. 1140.
- Type-writing machines, Carriage-shifting mechanism for. W. P. Kidder and C. W. Sponsel. No. 1,084,347; Jan. 13; Gaz. vol. 198; p. 391.
- Type-writing machines, Column-stop mechanism for. C. C. Poole. No. 1,110,144; Sept. 8; Gaz. vol. 206; p. 500.
- Type-writing machines, Cryptographic attachment for. E. H. Hebern and F. Hoffman. No. 1,086,823; Feb. 10; Gaz. vol. 199; p. 479.
- Type-writing machines, Double-shuttle anvil for. A. Lopez. No. 1,093,575; Apr. 14; Gaz. vol. 201; p. 525.
- Type-writing machines, Key cap or button for. W. R. Fox. No. 1,087,650; Feb. 17; Gaz. vol. 199; p. 819.
- Type-writing machines, Paper-roll support for. S. R. Shoup. No. 1,120,249; Dec. 8; Gaz. vol. 209; p. 502.
- Type-writing machines, Platen equipment for. H. A. Footthorap. No. 1,116,812; Nov. 10; Gaz. vol. 208; p. 508.
- Type-writing machines, Rewinding mechanism for. A. E. Karlberg and M. B. Sargent. No. 1,105,082; July 28; Gaz. vol. 204; p. 1130.
- Type-writing machines, Roller-platen for. F. Dowd. No. 1,116,395; Nov. 10; Gaz. vol. 208; p. 357.
- Type-writing machines, Safety-loop for. T. L. Knapp. No. 1,120,391; Dec. 8; Gaz. vol. 209; p. 553.
- Type-writing machines, Scale and scale attachment for. W. R. and H. W. Fox. No. 1,096,234; May 12; Gaz. vol. 202; p. 397.
- Type-writing machines, Shuttle-shield for. A. Lopez. No. 1,097,553; May 19; Gaz. vol. 202; p. 894.
- Type-writing machines, Sound-proof case for. V. L. Cerri. No. 1,111,477; Sept. 22; Gaz. vol. 206; p. 1046.
- Type-writing sheets, Alining means for. O. W. Chapin. No. 1,109,821; Sept. 8; Gaz. vol. 206; p. 380.
- Types having curved faces, Making or forming. L. A. Diss. No. 1,092,475; Apr. 7; Gaz. vol. 201; p. 122.
- Typograph-mold. W. A. Reade. No. 1,106,112; Aug. 4; Gaz. vol. 205; p. 185.
- Typographic apparatus, Automatic. G. R. Cornwall. No. 1,115,473; Oct. 27; Gaz. vol. 207; p. 1206.
- Typographic apparatus, Automatic. C. T. Moore. No. 1,115,472; Oct. 27; Gaz. vol. 207; p. 1205.
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- Typographic apparatus, Controller mechanism for. A. L. Saltzman. No. 1,115,475; Oct. 27; Gaz. vol. 207; p. 1207.
- Typographical casting-machine. G. P. Kingsbury. No. 1,116,441; Nov. 10; Gaz. vol. 208; p. 372.
- Typographical casting-machine. G. P. Kingsbury. No. 1,119,519; Dec. 1; Gaz. vol. 209; p. 214.
- Typographical casting-machine. C. Muehleisen. No. 1,099,463; June 9; Gaz. vol. 203; p. 419.
- Typographical casting-machine. C. Muehleisen. No. 1,103,071; July 14; Gaz. vol. 204; p. 342.
- Typographical casting-machine. E. W. Pierson. No. 1,099,468; June 9; Gaz. vol. 203; p. 420.
- Typographical casting-machine. W. M. Wood. No. 1,102,842; July 7; Gaz. vol. 204; p. 217.
- Typographical casting-machines, Metal-pot for. C. Muehleisen. No. 1,119,525; Dec. 1; Gaz. vol. 209; p. 216.
- Typographical casting-machines, Mold for. P. M. Diaz. No. 1,092,142; Apr. 7; Gaz. vol. 201; p. 6.
- Typographical composing-machine. C. A. Albrecht. No. 1,115,151; Oct. 27; Gaz. vol. 207; p. 1097.
- Typographical composing-machine. J. French. No. 1,117,487; Nov. 17; Gaz. vol. 208; p. 784.
- Typographical composing-machine. D. S. Kennedy. No. 1,103,051; July 14; Gaz. vol. 204; p. 335.
- Typographical composing-machine. D. S. Kennedy. No. 1,109,845; Sept. 8; Gaz. vol. 206; p. 390.
- Typographical composing-machine. D. S. Kennedy. No. 1,115,209; Oct. 27; Gaz. vol. 207; p. 1119.
- Typographical composing-machine. C. Muehleisen. No. 1,115,235; Oct. 27; Gaz. vol. 207; p. 1127.

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- Typographical composing-machine. H. Pearce and J. E. Billington. No. 1,116,621; Nov. 10; Gaz. vol. 208; p. 441.
- Typographical composing-machine. H. Pearce and J. E. Billington. No. 1,116,624; Nov. 10; Gaz. vol. 208; p. 442.
- Typographical composing-machine. J. Pearson. No. 1,105,692; Aug. 4; Gaz. vol. 205; p. 37.
- Typographical composing-machines, Assembling mechanism of. H. Degener. No. 1,121,899; Dec. 22; Gaz. vol. 209; p. 1165.
- Typographical distributing mechanism. J. Pearson. No. 1,105,691; Aug. 4; Gaz. vol. 205; p. 36.
- Typographical line-casting machine. C. A. Albrecht. No. 1,107,399; Aug. 18; Gaz. vol. 205; p. 726.
- Typographical line-casting-machine mold. M. H. Whitaker and C. Holliwell. No. 1,107,392; Aug. 18; Gaz. vol. 205; p. 723.
- Typographical line in a line-producing machine, Aligning the pieces of a. B. Bloch. No. 1,119,493; Dec. 1; Gaz. vol. 209; p. 205.
- Typographical line in a line-producing machine, Means for aligning the pieces of a. B. Bloch. No. 1,105,612; Aug. 4; Gaz. vol. 205; p. 8.
- Typographical machine. A. Archer. No. 1,115,155; Oct. 27; Gaz. vol. 207; p. 1098.
- Typographical machine. H. A. Armstrong. No. 1,092,813; Apr. 7; Gaz. vol. 201; p. 236.
- Typographical machine. H. A. Armstrong. No. 1,101,383; June 23; Gaz. vol. 203; p. 1169.
- Typographical machine. H. A. Armstrong. No. 1,106,610; Aug. 11; Gaz. vol. 205; p. 403.
- Typographical machine. W. S. Baldwin. No. 1,106,613; Aug. 11; Gaz. vol. 205; p. 404.
- Typographical machine. J. N. Banks. No. 1,099,482; June 9; Gaz. vol. 203; p. 425.
- Typographical machine. R. M. Bedell. No. 1,098,424; June 2; Gaz. vol. 203; p. 24.
- Typographical machine. R. O. Boardman. No. 1,088,397; Feb. 24; Gaz. vol. 199; p. 1120.
- Typographical machine. M. Butts. No. 1,099,486; June 9; Gaz. vol. 203; p. 426.
- Typographical machine. H. Degener. No. 1,115,181; Oct. 27; Gaz. vol. 207; p. 1108.
- Typographical machine. N. Dodge. No. 1,117,348; Nov. 17; Gaz. vol. 208; p. 736.
- Typographical machine. P. T. Dodge. No. 1,111,060; Sept. 22; Gaz. vol. 206; p. 904.
- Typographical machine. A. W. F. Guest. No. 1,088,415; Feb. 24; Gaz. vol. 199; p. 1126.
- Typographical machine. A. W. F. Guest. No. 1,088,697; Mar. 3; Gaz. vol. 200; p. 9.
- Typographical machine. A. W. F. Guest. No. 1,088,698; Mar. 3; Gaz. vol. 200; p. 10.
- Typographical machine. A. W. F. Guest. No. 1,116,416; Nov. 10; Gaz. vol. 208; p. 364.
- Typographical machine. T. S. Homans. No. 1,101,282; June 23; Gaz. vol. 203; p. 1135.
- Typographical machine. D. S. Kennedy. No. 1,091,347; Mar. 24; Gaz. vol. 200; p. 1036.
- Typographical machine. D. S. Kennedy. No. 1,097,130; May 19; Gaz. vol. 202; p. 749.
- Typographical machine. D. S. Kennedy. No. 1,099,448; June 9; Gaz. vol. 203; p. 413.
- Typographical machine. D. S. Kennedy. No. 1,099,503; June 9; Gaz. vol. 203; p. 432.
- Typographical machine. D. S. Kennedy. No. 1,104,512; July 21; Gaz. vol. 204; p. 883.
- Typographical machine. D. S. Kennedy. No. 1,105,667; Aug. 4; Gaz. vol. 205; p. 28.
- Typographical machine. D. S. Kennedy. No. 1,106,715; Aug. 11; Gaz. vol. 205; p. 438.
- Typographical machine. D. S. Kennedy. No. 1,109,683; Sept. 8; Gaz. vol. 206; p. 333.
- Typographical machine. D. S. Kennedy. No. 1,115,210; Oct. 27; Gaz. vol. 207; p. 1119.
- Typographical machine. D. S. Kennedy. No. 1,115,211; Oct. 27; Gaz. vol. 207; p. 1119.
- Typographical machine. D. S. Kennedy. No. 1,115,682; Nov. 3; Gaz. vol. 208; p. 74.
- Typographical machine. D. S. Kennedy. No. 1,119,518; Dec. 1; Gaz. vol. 209; p. 214.
- Typographical machine. D. S. Kennedy. No. 1,122,604; Dec. 29; Gaz. vol. 209; p. 1445.
- Typographical machine. L. L. Kennedy. No. 1,088,706; Mar. 3; Gaz. vol. 200; p. 13.
- Typographical machine. G. P. Kingsbury. No. 1,103,363; July 14; Gaz. vol. 204; p. 443.
- Typographical machine. G. P. Kingsbury. No. 1,121,021; Dec. 15; Gaz. vol. 209; p. 822.
- Typographical machine. G. P. Kingsbury. No. 1,122,609; Dec. 29; Gaz. vol. 209; p. 1447.
- Typographical machine. R. F. Mercer. No. 1,101,314; June 23; Gaz. vol. 203; p. 1146.
- Typographical machine. L. E. Morrison. No. 1,088,440; Feb. 24; Gaz. vol. 199; p. 1135.
- Typographical machine. C. Muehleisen. No. 1,084,224; Jan. 13; Gaz. vol. 198; p. 352.
- Typographical machine. C. Muehleisen and A. Walter. No. 1,115,234; Oct. 27; Gaz. vol. 207; p. 1127.
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- Typographical machine. H. Pearce and J. E. Billington. No. 1,116,622; Nov. 10; Gaz. vol. 208; p. 441.
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- Typographical machine. K. Röger. No. 1,105,702; Aug. 4; Gaz. vol. 205; p. 40.
- Typographical machine. J. R. Rogers. No. 1,087,140; Feb. 17; Gaz. vol. 199; p. 638.
- Typographical machine. J. R. Rogers. No. 1,088,729; Mar. 3; Gaz. vol. 200; p. 20.
- Typographical machine. J. R. Rogers. No. 1,088,730; Mar. 3; Gaz. vol. 200; p. 21.
- Typographical machine. J. R. Rogers. No. 1,088,933; Mar. 3; Gaz. vol. 200; p. 90.
- Typographical machine. J. R. Rogers. No. 1,088,934; Mar. 3; Gaz. vol. 200; p. 90.
- Typographical machine. J. R. Rogers. No. 1,111,097; Sept. 22; Gaz. vol. 206; p. 916.
- Typographical machine. J. R. Rogers. No. 1,115,108; Oct. 27; Gaz. vol. 207; p. 1082.
- Typographical machine. J. R. Rogers. No. 1,115,109; Oct. 27; Gaz. vol. 207; p. 1082.
- Typographical machine. J. R. Rogers. No. 1,115,110; Oct. 27; Gaz. vol. 207; p. 1082.
- Typographical machine. J. R. Rogers. No. 1,115,111; Oct. 27; Gaz. vol. 207; p. 1083.
- Typographical machine. J. R. Rogers. No. 1,116,489; Nov. 10; Gaz. vol. 208; p. 390.
- Typographical machine. J. R. Rogers. No. 1,122,538; Dec. 29; Gaz. vol. 209; p. 1422.
- Typographical machine. W. H. Rogers. No. 1,092,171; Apr. 7; Gaz. vol. 201; p. 16.
- Typographical machine. W. H. Rogers. No. 1,099,470; June 9; Gaz. vol. 203; p. 421.
- Typographical machine. C. P. Rubly. No. 1,119,542; Dec. 1; Gaz. vol. 209; p. 222.
- Typographical machine. B. C. Snyder. No. 1,117,713; Nov. 17; Gaz. vol. 208; p. 865.
- Typographical machine. T. A. Verhoeven. No. 1,099,476; June 9; Gaz. vol. 203; p. 423.
- Typographical machine. J. Watson. No. 1,099,478; June 9; Gaz. vol. 203; p. 424.
- Typographical machine. B. L. White and C. W. Curle. No. 1,115,137; Oct. 27; Gaz. vol. 207; p. 1092.
- Typographical machine. F. F. Wilson. No. 1,115,141; Oct. 27; Gaz. vol. 207; p. 1094.
- Typographical machines, Composing mechanism for. H. Pearce and J. E. Billington. No. 1,105,157; July 28; Gaz. vol. 204; p. 1153.
- Typographical machines, Composing mechanism of. H. Pearce and J. E. Billington. No. 1,105,000; July 28; Gaz. vol. 204; p. 1099.
- Typographical machines, Distributing mechanism of. J. R. Burgess. No. 1,119,495; Dec. 1; Gaz. vol. 209; p. 206.
- Typographical machines, Distributing mechanism of. C. Muehleisen. No. 1,117,885; Nov. 17; Gaz. vol. 208; p. 923.
- Typographical machines, Galley mechanism for repeating and non-repeating line-casting. M. Hartmann and O. Schimmel. No. 1,085,567; Jan. 27; Gaz. vol. 198; p. 867.
- Typographical machines, Line-indicating mechanism for. P. H. McGrath. No. 1,118,298; Nov. 24; Gaz. vol. 208; p. 1106.
- Typographical machines, Matrix for use in. C. H. Christel. No. 1,095,310; May 5; Gaz. vol. 202; p. 47.
- Typographical machines, Type, matrix, space, &c., for. H. J. Rudolph. No. 1,122,541; Dec. 29; Gaz. vol. 209; p. 1423.
- Umbrella. C. L. Atkinson. No. 1,083,790; Jan. 6; Gaz. vol. 198; p. 174.
- Umbrella. V. Cruser and A. Rosenblum. No. 1,112,774; Oct. 6; Gaz. vol. 207; p. 128.
- Umbrella. E. R. Drohan. No. 1,107,415; Aug. 18; Gaz. vol. 205; p. 733.
- Umbrella. I. Eklund. No. 1,098,027; May 26; Gaz. vol. 202; p. 1108.
- Umbrella. J. Mackert. No. 1,083,547; Jan. 6; Gaz. vol. 198; p. 96.
- Umbrella. B. J. McCabe. No. 1,109,854; Sept. 8; Gaz. vol. 206; p. 393.
- Umbrella. J. O. Ostman. No. 1,108,217; Aug. 25; Gaz. vol. 205; p. 1061.
- Umbrella. C. Schmidt and A. Hirschwitz. No. 1,097,191; May 19; Gaz. vol. 202; p. 769.
- Umbrella. C. A. Skalstad. No. 1,105,709; Aug. 4; Gaz. vol. 205; p. 44.
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- Umbrella. E. Wyskosky. No. 1,104,598; July 21; Gaz. vol. 204; p. 914.
- Umbrella and parasol handle. S. S. Fretz. No. 1,101,267; June 23; Gaz. vol. 203; p. 1130.
- Umbrella-carrier, Traveler's. J. F. Slavin and J. Mendel. No. 1,110,150; Sept. 8; Gaz. vol. 206; p. 502.
- Umbrella-case. J. Rose. No. 1,108,240; Aug. 25; Gaz. vol. 205; p. 1069.
- Umbrella-cases, Attaching ferrules to. W. C. O'Brien. No. 1,113,574; Oct. 13; Gaz. vol. 207; p. 449.
- Umbrella-covering. R. Müller. No. 1,089,857; Mar. 10; Gaz. vol. 200; p. 453.
- Umbrella, Double-up. C. J. Frisk and E. Okergren. No. 1,117,365; Nov. 17; Gaz. vol. 208; p. 741.
- Umbrella drip-receptacle. C. J. Madonna. No. 1,110,215; Sept. 8; Gaz. vol. 206; p. 523.
- Umbrella-envelop. J. Braun. No. 1,109,509; Sept. 1; Gaz. vol. 206; p. 229.
- Umbrella, Foldable. W. H. Beehler. No. 1,094,633; Apr. 28; Gaz. vol. 201; p. 988.
- Umbrella, Foldable. I. D. Cartwright. No. 1,109,736; Sept. 8; Gaz. vol. 206; p. 352.
- Umbrella, Folding. S. J. Clark. No. 1,121,977; Dec. 22; Gaz. vol. 209; p. 1193.
- Umbrella, Folding. M. H. Hartzell. No. 1,109,677; Sept. 8; Gaz. vol. 206; p. 231.
- Umbrella, Folding. M. Kozlowski and F. Grohal. No. 1,114,367; Oct. 20; Gaz. vol. 207; p. 767.
- Umbrella, Folding. J. Peterson. No. 1,107,835; Aug. 18; Gaz. vol. 205; p. 880.
- Umbrella, Folding. A. Stein. No. 1,096,647; May 12; Gaz. vol. 202; p. 537.
- Umbrella, Folding. J. Swinland. No. 1,088,743; Mar. 3; Gaz. vol. 200; p. 25.
- Umbrella-frame. G. J. Pilger. No. 1,085,479; Jan. 27; Gaz. vol. 198; p. 838.
- Umbrella-holder. W. H. May. No. 1,095,905; May 5; Gaz. vol. 202; p. 248.
- Umbrella, Knockdown. N. Hirtz. No. 1,117,382; Nov. 17; Gaz. vol. 208; p. 747.
- Umbrella-protector. H. C. Anderson and A. P. Kemmer. No. 1,095,064; Apr. 28; Gaz. vol. 201; p. 1139.
- Umbrella-rib construction. A. J. Mills. No. 1,109,691; Sept. 8; Gaz. vol. 206; p. 336.
- Umbrella-rib hinge. M. C. McMillen. No. 1,103,799; July 14; Gaz. vol. 204; p. 596.
- Umbrella, Self closing and folding. S. S. Fretz. No. 1,113,769; Oct. 13; Gaz. vol. 207; p. 517.
- Umbrella, Self opening and closing. W. Schaaf. No. 1,091,895; Mar. 31; Gaz. vol. 200; p. 1269.
- Umbrella-stand. G. F. Champion. No. 1,095,814; May 5; Gaz. vol. 202; p. 219.
- Umbrella-stand. E. Hornung. No. 1,117,491; Nov. 17; Gaz. vol. 208; p. 785.
- Umbrella-stand. J. M. Rose. No. 1,109,788; Sept. 8; Gaz. vol. 206; p. 368.
- Umbrella-support. H. J. Burtchett. No. 1,096,999; May 19; Gaz. vol. 202; p. 701.
- Umbrella-support. I. N. McCuddy. No. 1,084,868; Jan. 20; Gaz. vol. 198; p. 595.
- Umbrellas and parasols, Notch and tip construction for. W. H. Beehler. No. 1,096,216; May 12; Gaz. vol. 202; p. 390.
- Unbuttoning implement. C. E. Collins. No. 1,084,399; Jan. 13; Gaz. vol. 198; p. 408.
- Uncolling apparatus. E. Fargo. No. 1,099,695; June 9; Gaz. vol. 203; p. 500.
- Uncoupling device. W. G. Armitage. No. 1,097,963; May 26; Gaz. vol. 202; p. 1086.
- Uncoupling device. C. A. Carscadin and G. A. Woodman. No. 1,086,025; Feb. 3; Gaz. vol. 199; p. 160.
- Uncoupling device. C. A. Carscadin and G. A. Woodman. No. 1,110,297; Sept. 8; Gaz. vol. 206; p. 553.
- Uncoupling mechanism. R. L. Ettenger. No. 1,098,896; June 2; Gaz. vol. 203; p. 183.
- Uncoupling mechanism. G. H. Gilman and H. M. Robertson. No. 1,113,983; Oct. 20; Gaz. vol. 207; p. 630.
- Uncoupling mechanism. G. C. Murray. No. 1,098,392; June 2; Gaz. vol. 203; p. 12.
- Underfeed furnace. R. S. Riley. No. 1,103,625; July 14; Gaz. vol. 204; p. 535.
- Underframe. C. J. W. Clasen. No. 1,100,419; June 16; Gaz. vol. 203; p. 786.
- Undergarment. S. D. Bausher. No. 1,085,788; Feb. 3; Gaz. vol. 199; p. 75.
- Undergarment. E. P. Brinker. No. 1,084,065; Jan. 13; Gaz. vol. 198; p. 297.
- Undergarment. E. Emmers. No. 1,118,643; Nov. 24; Gaz. vol. 208; p. 1229.
- Undergarment. M. S. Erlanger. No. 1,110,761; Sept. 15; Gaz. vol. 206; p. 756.
- Undergarment. I. Gitenstein. No. 1,105,901; Aug. 4; Gaz. vol. 205; p. 109.
- Undergarment. S. Holstein. No. 1,104,047; July 21; Gaz. vol. 204; p. 722.
- Undergarment. J. D. Reed and L. Schmidt. No. 1,088,724; Mar. 3; Gaz. vol. 200; p. 19.
- Undergarment. K. Segal. No. 1,114,540; Oct. 20; Gaz. vol. 207; p. 830.
- Undergarment. A. G. Velasko. No. 1,084,180; Jan. 13; Gaz. vol. 198; p. 336.
- Undergarment. A. Vickers. No. 1,104,584; July 21; Gaz. vol. 204; p. 909.
- Undergarment. E. F. Wentworth. No. 1,089,888; Mar. 10; Gaz. vol. 200; p. 464.
- Undergarment. E. T. Williams. No. 1,083,511; Jan. 6; Gaz. vol. 198; p. 83.
- Undergarment, Bifurcated. C. W. T. Davies. No. 1,094,981; Apr. 28; Gaz. vol. 201; p. 1111.
- Undergarment, Combination-. E. O. Farnsworth. No. 1,121,005; Dec. 15; Gaz. vol. 209; p. 816.
- Undergarment, Combination-. E. T. Hayward. No. 1,086,364; Feb. 10; Gaz. vol. 199; p. 320.
- Undergarment, Infant's. E. R. Royce. No. 1,110,459; Sept. 15; Gaz. vol. 206; p. 650.
- Undergarment, Lady's. O. J. De Blieux. No. 1,110,749; Sept. 15; Gaz. vol. 206; p. 752.
- Undergarment, Lady's. E. W. Decker. No. 1,102,014; June 30; Gaz. vol. 203; p. 1441.
- Undergarment, Lady's. L. Mayer. No. 1,106,663; Aug. 11; Gaz. vol. 205; p. 421.
- Undergarment, Union. B. Gibbs. No. 1,088,338; Feb. 24; Gaz. vol. 199; p. 1100.
- Undergarment, Union. L. D. Marsh. No. 1,113,803; Oct. 13; Gaz. vol. 207; p. 528.
- Undergarment, Union. M. F. Robischon. No. 1,105,701; Aug. 4; Gaz. vol. 205; p. 40.
- Underramer. T. S. Apgar. No. 1,116,969; Nov. 10; Gaz. vol. 208; p. 561.
- Underramer. H. Gearing. No. 1,091,502; Mar. 31; Gaz. vol. 200; p. 1133.
- Underramer. G. A. Montgomery. No. 1,087,812; Feb. 17; Gaz. vol. 199; p. 873.
- Underramer. J. H. Walker and J. A. Olinger. No. 1,095,050; Apr. 28; Gaz. vol. 201; p. 1134.
- Undershirt. L. S. Lee. No. 1,110,501; Sept. 15; Gaz. vol. 206; p. 665.
- Underskirt. M. G. McLoughlin. No. 1,089,245; Mar. 3; Gaz. vol. 200; p. 196.
- Underwear. R. S. Cooper. No. 1,106,133; Aug. 4; Gaz. vol. 205; p. 193.
- Underwear. J. F. Goodenow. No. 1,091,504; Mar. 31; Gaz. vol. 200; p. 1134.
- Uniform, Protective. W. J. Moran. No. 1,090,742; Mar. 17; Gaz. vol. 200; p. 799.
- Union. P. Allen. No. 1,110,280; Sept. 8; Gaz. vol. 206; p. 547.
- Union and valve, Combined. H. F. Laubach. No. 1,093,706; Apr. 21; Gaz. vol. 201; p. 617.
- Union fabric. D. W. Northrop. No. 1,122,990; Dec. 29; Gaz. vol. 209; p. 1582.
- Union garment. W. C. Powell. No. 1,112,720; Oct. 6; Gaz. vol. 207; p. 110.
- Union suit. W. H. Bilbrough. No. 1,103,255; July 14; Gaz. vol. 204; p. 408.
- Union suit. E. H. Davison and M. K. Pasco. No. 1,092,900; Apr. 14; Gaz. vol. 201; p. 301.
- Union suit. N. Hatch. No. 1,100,657; June 16; Gaz. vol. 203; p. 863.
- Union suit. N. Hatch. No. 1,110,052; Sept. 8; Gaz. vol. 206; p. 464.
- Union suit. N. Hatch. No. 1,110,053; Sept. 8; Gaz. vol. 206; p. 464.
- Union suit. N. Hatch. No. 1,110,054; Sept. 8; Gaz. vol. 206; p. 464.
- Union suit. N. Hatch. No. 1,110,055; Sept. 8; Gaz. vol. 206; p. 465.
- Union-suit. M. Hogan. No. 1,116,891; Nov. 10; Gaz. vol. 208; p. 536.
- Union suit. S. Juhn. No. 1,090,155; Mar. 17; Gaz. vol. 200; p. 597.
- Union suit. G. W. Kelly. No. 1,106,310; Aug. 4; Gaz. vol. 205; p. 250.
- Union suit. W. Marlow. No. 1,105,677; Aug. 4; Gaz. vol. 205; p. 31.
- Union suit. E. Morris, Jr. No. 1,096,050; May 12; Gaz. vol. 202; p. 335.
- Union suit. M. Morris. No. 1,098,960; June 2; Gaz. vol. 203; p. 205.
- Union suit. K. H. White. No. 1,093,018; Apr. 14; Gaz. vol. 201; p. 341.
- Union suit or combination-garment. E. H. Davison and E. L. Dummer. No. 1,092,809; Apr. 7; Gaz. vol. 201; p. 235.
- Unit and making the same. M. H. Rice. No. 1,093,947; Apr. 21; Gaz. vol. 201; p. 695.
- Unit base-lock, Horizontal. E. Stuck. No. 1,109,086; Sept. 1; Gaz. vol. 206; p. 81.
- Unit brick-stacks, Transfer-car for. H. B. Crum. No. 1,119,685; Dec. 1; Gaz. vol. 209; p. 270.
- Unit or grid. E. C. Van Glahn. No. 1,088,114; Feb. 24; Gaz. vol. 199; p. 1025.
- Unitary screen. I. E. Palmer. No. 1,094,926; Apr. 28; Gaz. vol. 201; p. 1091.
- Uniting materials adhesively, Machine for. C. W. Knopf and C. R. Burrier. No. 1,097,864; May 26; Gaz. vol. 202; p. 1048.
- Universal joint. J. F. Carter and C. E. Perkins. No. 1,101,996; June 30; Gaz. vol. 203; p. 1435.
- Universal joint. W. Chadwick. No. 1,111,645; Sept. 22; Gaz. vol. 206; p. 1106.

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- Universal joint. E. P. Edwards. No. 1,098,101; May 26; Gaz. vol. 202; p. 1133.
- Universal joint. V. L. Emerson. No. 1,085,855; Feb. 3; Gaz. vol. 199; p. 98.
- Universal joint. E. J. Feeny. No. 1,096,293; May 12; Gaz. vol. 202; p. 418.
- Universal joint. W. R. Fox. No. 1,096,235; May 12; Gaz. vol. 202; p. 397.
- Universal joint. W. R. Fox. No. 1,108,567; Aug. 25; Gaz. vol. 205; p. 1183.
- Universal joint. R. Janney. No. 1,119,608; Dec. 1; Gaz. vol. 209; p. 244.
- Universal joint. A. G. Lamb. No. 1,122,953; Dec. 29; Gaz. vol. 209; p. 1568.
- Universal joint. E. E. Neal. No. 1,109,006; Sept. 1; Gaz. vol. 206; p. 53.
- Universal joint. W. Scott. No. 1,094,603; Apr. 28; Gaz. vol. 201; p. 976.
- Universal joint. J. R. Shirreffs. No. 1,101,817; June 30; Gaz. vol. 203; p. 1370.
- Universal joint. C. W. Spicer. No. 1,095,430; May 5; Gaz. vol. 202; p. 88.
- Universal joint. C. W. Sponsel. No. 1,121,144; Dec. 15; Gaz. vol. 209; p. 868.
- Universal joint. E. J. Tirrell. No. 1,112,869; Oct. 6; Gaz. vol. 207; p. 160.
- Universal joint. P. M. Young. No. 1,111,781; Sept. 29; Gaz. vol. 206; p. 1190.
- Universal joint and system of lubrication therefor. A. Winton and H. B. Anderson. No. 1,106,325; Aug. 4; Gaz. vol. 205; p. 255.
- Unloading apparatus. T. H. Donovan. No. 1,094,060; Apr. 21; Gaz. vol. 201; p. 733.
- Unloading apparatus. G. D. Williams. No. 1,090,510; Mar. 17; Gaz. vol. 200; p. 723.
- Unloading device. E. C. Gledhill. No. 1,105,131; July 28; Gaz. vol. 204; p. 1144.
- Unloading device. C. G. Sprado. No. 1,085,570; Jan. 27; Gaz. vol. 198; p. 868.
- Unloading device for trucks and the like. A. L. Hansen. No. 1,122,273; Dec. 29; Gaz. vol. 209; p. 1333.
- Unstopping-machine. S. C. Bond. No. 1,086,313; Feb. 3; Gaz. vol. 199; p. 255.
- Upholstery-former. J. Kronheim. No. 1,111,965; Sept. 29; Gaz. vol. 206; p. 1252.
- Upholstery. Method of. J. Kronheim. No. 1,111,966; Sept. 29; Gaz. vol. 206; p. 1253.
- Upper-forming machine. A. H. Frenzel. No. 1,119,039; Dec. 1; Gaz. vol. 209; p. 50.
- Upper-protector. J. H. Ramer. No. 1,094,016; Apr. 21; Gaz. vol. 201; p. 719.
- Upper-stretching machine. B. J. Hamilton. No. 1,110,324; Sept. 15; Gaz. vol. 206; p. 601.
- Upsetting-machine. E. Rorive. No. 1,098,408; June 2; Gaz. vol. 203; p. 18.
- Uranium, vanadium, and radium from ores and other material containing the same, Extracting. J. H. Burfeind. No. 1,095,377; May 5; Gaz. vol. 202; p. 70.
- Urinal. S. D. Baker. No. 1,114,670; Oct. 20; Gaz. vol. 207; p. 872.
- Urinal. C. E. Clare. No. 1,105,488; July 28; Gaz. vol. 204; p. 1272.
- Urinal. J. J. Lawler. No. 1,101,703; June 30; Gaz. vol. 203; p. 1331.
- Urinal, Prostatic. W. J. Thompson. No. 1,097,894; May 26; Gaz. vol. 202; p. 1059.
- Urn, Cooling-. H. D. Kelly. No. 1,087,241; Feb. 17; Gaz. vol. 199; p. 675.
- Urn, Dispensing-. H. D. Kelly. No. 1,092,997; Apr. 14; Gaz. vol. 201; p. 334.
- Utensil-lifter. H. H. Higgins. No. 1,113,215; Oct. 13; Gaz. vol. 207; p. 321.
- Utensil-lifter. A. A. Pospychala. No. 1,112,475; Oct. 6; Gaz. vol. 207; p. 21.
- Vaccine-container. G. H. and A. G. Sherman. No. 1,115,597; Nov. 3; Gaz. vol. 208; p. 44.
- Vaccine, Preparation of a. W. Fornet. No. 1,122,379; Dec. 29; Gaz. vol. 209; p. 1368.
- Vacuum apparatus, Therapeutical. C. E. Buck. No. 1,107,888; Aug. 18; Gaz. vol. 205; p. 898.
- Vacuum-cleaner. C. H. Beach. No. 1,093,820; Apr. 21; Gaz. vol. 201; p. 653.
- Vacuum-cleaner. G. S. Bennett. No. 1,102,130; June 30; Gaz. vol. 203; p. 1482.
- Vacuum cleaner. A. O. Carman. No. 1,119,747; Dec. 1; Gaz. vol. 209; p. 289.
- Vacuum-cleaner. E. L. Fahrbach. No. 1,112,277; Sept. 29; Gaz. vol. 206; p. 1360.
- Vacuum-cleaner. E. J. Feeny. No. 1,084,933; Jan. 20; Gaz. vol. 198; p. 616.
- Vacuum-cleaner. J. W. Fulper. No. 1,106,329; Aug. 4; Gaz. vol. 205; p. 256.
- Vacuum-cleaner. J. B. Kirby. No. 1,100,575; June 16; Gaz. vol. 203; p. 836.
- Vacuum-cleaner. A. B. Marshall. No. 1,106,231; Aug. 4; Gaz. vol. 205; p. 224.
- Vacuum-cleaner. U. C. Oblosser. No. 1,091,383; Mar. 24; Gaz. vol. 200; p. 1048.
- Vacuum-cleaner. E. A. Reeves. No. 1,093,473; Apr. 14; Gaz. vol. 201; p. 495.
- Vacuum-cleaner. R. R. Smith. No. 1,084,971; Jan. 20; Gaz. vol. 198; p. 629.
- Vacuum-cleaner. W. S. Sutton. No. 1,109,639; Sept. 1; Gaz. vol. 206; p. 275.
- Vacuum-cleaner and carpet-sweeper, Combined. M. S. Wright. No. 1,109,492; Sept. 1; Gaz. vol. 206; p. 224.
- Vacuum-cleaner handle. G. Clements. No. 1,102,000; June 30; Gaz. vol. 203; p. 1436.
- Vacuum-cleaner, Portable. L. D. Matchette. No. 1,099,560; June 9; Gaz. vol. 203; p. 452.
- Vacuum-cleaner tool. W. E. Chapman. No. 1,092,823; Apr. 14; Gaz. vol. 201; p. 276.
- Vacuum-cleaner tool. J. T. Hope. No. 1,086,367; Feb. 10; Gaz. vol. 199; p. 321.
- Vacuum-cleaners, Nozzle and squeegee for. G. Clements. No. 1,088,880; Mar. 3; Gaz. vol. 200; p. 71.
- Vacuum cleaning and heating system. F. J. Matchette and R. Raddatz. No. 1,106,349; Aug. 4; Gaz. vol. 205; p. 263.
- Vacuum cleaning apparatus. J. T. Atwood. No. 1,090,127; Mar. 17; Gaz. vol. 200; p. 587.
- Vacuum cleaning apparatus. W. H. Fulton. No. 1,086,591; Feb. 10; Gaz. vol. 199; p. 399.
- Vacuum cleaning apparatus. F. J. Matchette. No. 1,104,060; July 21; Gaz. vol. 204; p. 726.
- Vacuum cleaning apparatus. H. S. Maxim. No. 1,101,558; June 30; Gaz. vol. 203; p. 1282.
- Vacuum cleaning apparatus for carpets and the like. M. S. Wright. No. 1,095,258; May 5; Gaz. vol. 202; p. 29.
- Vacuum cleaning apparatus, Suction-creating mechanism for. J. Schirra. No. 1,106,682; Aug. 11; Gaz. vol. 205; p. 427.
- Vacuum cleaning-machine. S. L. Casella. No. 1,120,130; Dec. 8; Gaz. vol. 209; p. 459.
- Vacuum cleaning-tool. E. M. Kent. No. 1,099,141; June 2; Gaz. vol. 203; p. 262.
- Vacuum cleaning-tool. F. J. Matchette. No. 1,094,579; Apr. 28; Gaz. vol. 201; p. 968.
- Vacuum cooling and drying apparatus for granular material. E. Passburg. No. 1,098,363; May 26; Gaz. vol. 202; p. 1223.
- Vacuum-indicator. C. R. Keeran. No. 1,085,134; Jan. 27; Gaz. vol. 198; p. 720.
- Vacuum, Means for improving a. M. von Recklinghausen. No. 1,110,576; Sept. 15; Gaz. vol. 206; p. 690.
- Vacuum-producer. C. H. Atkins. No. 1,110,860; Sept. 15; Gaz. vol. 206; p. 791.
- Vacuum-producer. E. A. Schenck. No. 1,108,247; Aug. 25; Gaz. vol. 205; p. 1071.
- Vacuum-producer. J. Wynn, Jr. No. 1,116,194; Nov. 3; Gaz. vol. 208; p. 248.
- Vacuum, Producing and maintaining a high. F. M. Meyer. No. 1,100,694; June 16; Gaz. vol. 203; p. 875.
- Vacuum-producing apparatus. J. I. McCormick. No. 1,085,926; Feb. 3; Gaz. vol. 199; p. 123.
- Vacuum-producing apparatus. F. A. Weimann. No. 1,108,644; Aug. 25; Gaz. vol. 205; p. 1209.
- Vacuum regulation. H. C. Snook. No. 1,117,267; Nov. 17; Gaz. vol. 208; p. 706.
- Vacuum renovating apparatus. J. H. Templin. No. 1,108,275; Aug. 25; Gaz. vol. 205; p. 1081.
- Vacuum street-sweeper. E. K. Ward. No. 1,107,564; Aug. 18; Gaz. vol. 205; p. 785.
- Vacuum-sweeper, Hand-power. N. M. Dyer and W. S. Holbrook. No. 1,096,814; May 12; Gaz. vol. 202; p. 594.
- Vacuum system. J. N. Walton. No. 1,112,872; Oct. 6; Gaz. vol. 207; p. 161.
- Vacuums in X-ray tubes and the like, Producing high. C. A. Friedrich. No. 1,083,677; Jan. 6; Gaz. vol. 198; p. 139.
- Valise-handle. C. Grant. No. 1,120,051; Dec. 8; Gaz. vol. 209; p. 432.
- Valve. A. J. Aitken. No. 1,103,241; July 14; Gaz. vol. 204; p. 403.
- Valve. F. W. Axtell. No. 1,085,004; Jan. 20; Gaz. vol. 198; p. 640.
- Valve. W. N. Ayers, Jr. No. 1,092,890; Apr. 14; Gaz. vol. 201; p. 298.
- Valve. C. A. Bahruth. No. 1,086,982; Feb. 10; Gaz. vol. 199; p. 533.
- Valve. L. A. Bellis. No. 1,090,676; Mar. 17; Gaz. vol. 200; p. 779.
- Valve. J. M. Bird. No. 1,103,475; July 14; Gaz. vol. 204; p. 481.
- Valise. C. C. Blakely. No. 1,097,290; May 19; Gaz. vol. 202; p. 805.
- Valve. S. Block. No. 1,107,022; Aug. 11; Gaz. vol. 205; p. 543.
- Valve. H. Blum. No. 1,105,177; July 28; Gaz. vol. 204; p. 1160.
- Valve. F. D. Bowen and S. T. Clutter. No. 1,119,060; Dec. 1; Gaz. vol. 209; p. 57.
- Valve. E. W. Broadhead. No. 1,123,084; Dec. 29; Gaz. vol. 209; p. 1615.
- Valve. W. B. Burke. No. 1,101,008; June 23; Gaz. vol. 203; p. 1041.
- Valve. A. J. Callaghan. No. 1,106,488; Aug. 11; Gaz. vol. 205; p. 358.

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- Valve. J. A. Cochran. No. 1,090,279; Mar. 17; Gaz. vol. 200; p. 641.
- Valve. E. E. Comstock. No. 1,084,132; Jan. 13; Gaz. vol. 198; p. 320.
- Valve. H. M. Cooper. No. 1,122,480; Dec. 29; Gaz. vol. 209; p. 1401.
- Valve. H. E. and H. C. Cox. No. 1,089,331; Mar. 3; Gaz. vol. 200; p. 223.
- Valve. N. B. Creighton. No. 1,103,944; July 21; Gaz. vol. 204; p. 687.
- Valve. A. E. Crum. No. 1,087,730; Feb. 17; Gaz. vol. 199; p. 847.
- Valve. J. A. Donnelly. No. 1,094,543; Apr. 28; Gaz. vol. 201; p. 955.
- Valve. W. F. Drew. No. 1,091,048; Mar. 24; Gaz. vol. 200; p. 937.
- Valve. P. J. Dugan. No. 1,112,992; Oct. 6; Gaz. vol. 207; p. 201.
- Valve. W. G. Estep. No. 1,090,521; Mar. 17; Gaz. vol. 200; p. 727.
- Valve. G. L. Ewalt. No. 1,092,984; Apr. 14; Gaz. vol. 201; p. 330.
- Valve. E. Fisher. No. 1,113,976; Oct. 20; Gaz. vol. 207; p. 628.
- Valve. E. G. Fisher. No. 1,089,756; Mar. 10; Gaz. vol. 200; p. 419.
- Valve. E. F. Fitzgerald. No. 1,093,121; Apr. 14; Gaz. vol. 201; p. 378.
- Valve. H. Froehlich. No. 1,092,035; Mar. 31; Gaz. vol. 200; p. 1314.
- Valve. J. W. Gamble. No. 1,114,978; Oct. 27; Gaz. vol. 207; p. 1035.
- Valve. W. H. Griffin. No. 1,092,482; Apr. 7; Gaz. vol. 201; p. 125.
- Valve. G. Halter. No. 1,118,649; Nov. 24; Gaz. vol. 208; p. 1231.
- Valve. J. W. Harkom. No. 1,112,135; Sept. 29; Gaz. vol. 206; p. 1309.
- Valve. G. P. Haynes. No. 1,122,499; Dec. 29; Gaz. vol. 209; p. 1408.
- Valve. B. J. Hine. No. 1,120,144; Dec. 8; Gaz. vol. 209; p. 464.
- Valve. E. F. Jones. No. 1,113,644; Oct. 13; Gaz. vol. 207; p. 472.
- Valve. J. D. Jones. No. 1,113,789; Oct. 13; Gaz. vol. 207; p. 524.
- Valve. W. Kane. No. 1,110,565; Sept. 15; Gaz. vol. 206; p. 686.
- Valve. J. Kelly. No. 1,111,390; Sept. 22; Gaz. vol. 206; p. 1017.
- Valve. A. E. Kenney. No. 1,088,822; Mar. 3; Gaz. vol. 200; p. 51.
- Valve. N. J. Kepple. No. 1,096,431; May 12; Gaz. vol. 202; p. 464.
- Valve. A. L. Kerbaugh. No. 1,087,021; Feb. 10; Gaz. vol. 199; p. 546.
- Valve. S. L. Kneass. No. 1,111,391; Sept. 22; Gaz. vol. 206; p. 1017.
- Valve. G. J. Le May. No. 1,109,169; Sept. 1; Gaz. vol. 206; p. 112.
- Valve. F. Leadbeater. (Reissue.) No. 13,854; Dec. 29; Gaz. vol. 209; p. 1662.
- Valve. W. R. Lindelsee. No. 1,101,643; June 30; Gaz. vol. 203; p. 1311.
- Valve. W. R. Lindelsee. No. 1,117,508; Nov. 17; Gaz. vol. 208; p. 791.
- Valve. W. C. Marsh. No. 1,111,598; Sept. 22; Gaz. vol. 206; p. 1088.
- Valve. E. J. Masterson. No. 1,100,317; June 16; Gaz. vol. 203; p. 750.
- Valve. R. R. Miller. No. 1,086,549; Feb. 10; Gaz. vol. 199; p. 383.
- Valve. M. M. Moore. No. 1,100,320; June 16; Gaz. vol. 203; p. 751.
- Valve. A. W. Morse. No. 1,111,399; Sept. 22; Gaz. vol. 206; p. 1019.
- Valve. T. G. Mouat. No. 1,104,918; July 28; Gaz. vol. 204; p. 1072.
- Valve. J. F. Moynihan. No. 1,110,269; Sept. 8; Gaz. vol. 206; p. 542.
- Valve. J. Obermire and D. Krous. No. 1,098,963; June 2; Gaz. vol. 203; p. 206.
- Valve. J. M. Palmer. No. 1,088,616; Feb. 24; Gaz. vol. 199; p. 1191.
- Valve. F. M. Patterson. No. 1,099,200; June 9; Gaz. vol. 203; p. 327.
- Valve. F. M. Patterson. No. 1,107,342; Aug. 18; Gaz. vol. 205; p. 705.
- Valve. F. C. Pfeil. No. 1,112,472; Oct. 6; Gaz. vol. 207; p. 20.
- Valve. L. S. Pfouts. No. 1,097,668; May 26; Gaz. vol. 202; p. 979.
- Valve. T. Roderick. No. 1,120,975; Dec. 15; Gaz. vol. 209; p. 805.
- Valve. E. S. Ruffner. No. 1,097,730; May 26; Gaz. vol. 202; p. 1001.
- Valve. J. L. Sauchereau. No. 1,105,209; July 28; Gaz. vol. 204; p. 1172.
- Valve. O. Schlemmer. No. 1,106,002; Aug. 4; Gaz. vol. 205; p. 146.
- Valve. C. E. Schreidt. No. 1,088,103; Feb. 24; Gaz. vol. 199; p. 1021.
- Valve. H. D. Schroeder. No. 1,112,564; Oct. 6; Gaz. vol. 207; p. 54.
- Valve. P. W. Seager. No. 1,084,041; Jan. 13; Gaz. vol. 198; p. 289.
- Valve. W. E. Sloan. No. 1,114,399; Oct. 20; Gaz. vol. 207; p. 778.
- Valve. A. J. Snow, A. M. Kidd, and J. H. Whaley. No. 1,114,303; Oct. 20; Gaz. vol. 207; p. 745.
- Valve. I. H. Spencer. No. 1,118,594; Nov. 24; Gaz. vol. 208; p. 1213.
- Valve. J. G. F. Squires. No. 1,119,464; Dec. 1; Gaz. vol. 209; p. 194.
- Valve. B. S. Stone. No. 1,117,924; Nov. 17; Gaz. vol. 208; p. 936.
- Valve. C. E. Thompson. No. 1,106,064; Aug. 4; Gaz. vol. 205; p. 167.
- Valve. M. Walker. No. 1,094,688; Apr. 28; Gaz. vol. 201; p. 1008.
- Valve. J. Walp. No. 1,110,731; Sept. 15; Gaz. vol. 206; p. 746.
- Valve. R. E. Ward and C. Crowl. No. 1,104,944; July 28; Gaz. vol. 204; p. 1081.
- Valve. E. G. Watrous. No. 1,103,638; July 14; Gaz. vol. 204; p. 540.
- Valve. S. A. Whitehouse. No. 1,084,186; Jan. 13; Gaz. vol. 198; p. 338.
- Valve. W. R. Whitney. No. 1,116,187; Nov. 3; Gaz. vol. 208; p. 246.
- Valve. F. E. Willey. No. 1,100,642; June 16; Gaz. vol. 203; p. 858.
- Valve. H. G. Wilmerling. No. 1,119,739; Dec. 1; Gaz. vol. 209; p. 287.
- Valve. J. A. Wilson. No. 1,093,514; Apr. 14; Gaz. vol. 201; p. 508.
- Valve. R. Wilson. No. 1,111,244; Sept. 22; Gaz. vol. 206; p. 967.
- Valve. E. Woollett. No. 1,118,992; Dec. 1; Gaz. vol. 209; p. 31.
- Valve. D. R. Yarnall. No. 1,103,120; July 14; Gaz. vol. 204; p. 360.
- Valve-actuating device for explosive-engines. C. E. Mead. No. 1,111,665; Sept. 22; Gaz. vol. 206; p. 1112.
- Valve-actuating device for internal-combustion engines. G. R. Rich. No. 1,100,912; June 23; Gaz. vol. 203; p. 1007.
- Valve-actuating device for internal-combustion engines. G. R. Rich. No. 1,123,142; Dec. 29; Gaz. vol. 209; p. 1636.
- Valve-actuating gear for explosion-engines. J. A. Brown. No. 1,102,717; July 7; Gaz. vol. 204; p. 172.
- Valve-actuating mechanism for internal-combustion engines. P. Desgouttes. No. 1,099,491; June 9; Gaz. vol. 203; p. 428.
- Valve-adjuster. C. F. Townsan. No. 1,085,512; Jan. 27; Gaz. vol. 198; p. 849.
- Valve, Admission-. T. F. Sawyer. No. 1,101,147; June 23; Gaz. vol. 203; p. 1090.
- Valve, Air-. E. P. Allen. No. 1,110,095; Sept. 8; Gaz. vol. 206; p. 480.
- Valve, Air-. R. A. Gally. No. 1,103,754; July 14; Gaz. vol. 204; p. 581.
- Valve, Air-. X. Longtin. No. 1,112,631; Oct. 6; Gaz. vol. 207; p. 79.
- Valve, Air-. C. H. Peterson. No. 1,109,174; Sept. 1; Gaz. vol. 206; p. 113.
- Valve, Air-. F. H. Sauer. No. 1,101,570; June 30; Gaz. vol. 203; p. 1286.
- Valve, Air-brake. J. E. Osmer. No. 1,113,679; Oct. 13; Gaz. vol. 207; p. 484.
- Valve and circuit-breaker trip. Emergency-. H. Cordell and J. G. Tawse. No. 1,120,031; Dec. 8; Gaz. vol. 209; p. 425.
- Valve and connection therefor. E. Bolland. No. 1,087,713; Feb. 17; Gaz. vol. 199; p. 841.
- Valve and decarbonizer for explosion-engines. Auxiliary air-. J. N. Hogg. No. 1,091,843; Mar. 31; Gaz. vol. 200; p. 1252.
- Valve and fitting therefor. Steam-. W. M. Jamieson. No. 1,108,500; Aug. 25; Gaz. vol. 205; p. 1160.
- Valve and governor. Carbureter. H. W. Falk and W. K. Andrew. No. 1,094,986; Apr. 28; Gaz. vol. 201; p. 1113.
- Valve and lighter. Gas-burner. J. Holtzman. (Reissue.) No. 13,685; Feb. 10; Gaz. vol. 199; p. 570.
- Valve and oiler. Combined throttle-. C. C. Hansen. No. 1,122,109; Dec. 22; Gaz. vol. 209; p. 1237.
- Valve and plug-cock. E. McCoy. No. 1,101,868; June 30; Gaz. vol. 203; p. 1388.
- Valve and siphon. Combined. J. Shanks. No. 1,090,885; Mar. 24; Gaz. vol. 200; p. 880.
- Valve and valve-gear for internal-combustion engines. G. H. Mann. (Reissue.) No. 13,697; Mar. 10; Gaz. vol. 200; p. 549.
- Valve and valve-gear of internal-combustion engines. C. B. Redrup. No. 1,121,131; Dec. 15; Gaz. vol. 209; p. 862.

Alphabetical list of inventions—Continued.

- Valve and valve-gear of internal-combustion engines. A. E. Salway. No. 1,118,686; Nov. 24; Gaz. vol. 208; p. 1243.
- Valve, Atmospheric relief-. F. S. Broadhurst and L. L. Pratt. No. 1,099,689; June 9; Gaz. vol. 203; p. 497.
- Valve attachment. V. V. Norton. No. 1,116,105; Nov. 3; Gaz. vol. 208; p. 219.
- Valve attachment, Flush-. W. A. Lupton. No. 1,086,191; Feb. 3; Gaz. vol. 199; p. 216.
- Valve, Automatic. R. W. Cummings and I. Kirby. No. 1,087,108; Feb. 17; Gaz. vol. 199; p. 627.
- Valve, Automatic. W. J. Frazier. No. 1,118,993; Nov. 24; Gaz. vol. 208; p. 1001.
- Valve, Automatic. W. L. Morris. No. 1,114,019; Oct. 20; Gaz. vol. 207; p. 642.
- Valve, Automatic. J. T. O'Brien, W. G. Sargent, M. Dowd, and F. A. O'Brien. No. 1,099,196; June 9; Gaz. vol. 203; p. 326.
- Valve, Automatic. J. R. Scott. No. 1,111,409; Sept. 22; Gaz. vol. 206; p. 1023.
- Valve, Automatic air-. C. H. Simmons. No. 1,088,632; Feb. 24; Gaz. vol. 199; p. 1196.
- Valve, Automatic bleed-. C. S. Smith. No. 1,099,888; June 9; Gaz. vol. 203; p. 563.
- Valve, Automatic drain-. W. R. Huddleston. No. 1,094,209; Apr. 21; Gaz. vol. 201; p. 784.
- Valve, Automatic exhaust-. E. F. Williams and L. Skinner. No. 1,111,983; Sept. 29; Gaz. vol. 206; p. 1258.
- Valve, Automatic gas-. C. Bargamin. No. 1,094,832; Apr. 28; Gaz. vol. 201; p. 1059.
- Valve, Automatic governing-. S. E. Kurtz. No. 1,105,280; July 28; Gaz. vol. 204; p. 1197.
- Valve, Automatic laundry-. W. H. Perkins and C. A. Lindgren. No. 1,103,828; July 14; Gaz. vol. 204; p. 605.
- Valve, Automatic pipe or hose draining. L. E. Bowser. No. 1,104,869; July 28; Gaz. vol. 204; p. 1056.
- Valve, Automatic regulating-. D. Dennehy. No. 1,120,454; Dec. 8; Gaz. vol. 209; p. 576.
- Valve, Automatic regulating-. C. B. Rogers. No. 1,087,890; Feb. 17; Gaz. vol. 199; p. 898.
- Valve, Automatic safety-. E. B. Waddell, Jr. No. 1,093,899; Apr. 21; Gaz. vol. 201; p. 680.
- Valve, Automatic safety gas-. J. M. Wescott and C. B. Smith. No. 1,090,769; Mar. 17; Gaz. vol. 200; p. 807.
- Valve, Automatic shut-off. J. C. Taylor. No. 1,106,427; Aug. 11; Gaz. vol. 205; p. 334.
- Valve, Automatic steam-pipe-isolating. J. Löhl. No. 1,088,082; Feb. 24; Gaz. vol. 199; p. 1014.
- Valve, Automatic stop-. L. W. Cooper. No. 1,107,760; Aug. 18; Gaz. vol. 205; p. 855.
- Valve, Automatic stop-. W. F. Krichbaum. No. 1,119,287; Dec. 1; Gaz. vol. 209; p. 132.
- Valve, Automatic stop-. J. D. Lalor and F. L. Jahn. No. 1,103,058; July 14; Gaz. vol. 204; p. 338.
- Valve, Auxiliary air-. J. J. Murphy. No. 1,098,828; June 2; Gaz. vol. 203; p. 159.
- Valve, Auxiliary - pressure - control. S. G. Neal. No. 1,089,575; Mar. 10; Gaz. vol. 200; p. 357.
- Valve, Auxiliary - pressure - control. S. G. Neal. No. 1,091,754; Mar. 31; Gaz. vol. 200; p. 1219.
- Valve-bag. A. M. Bates. No. 1,107,879; Aug. 18; Gaz. vol. 205; p. 895.
- Valve, Balanced. J. G. Bain. No. 1,100,112; June 16; Gaz. vol. 203; p. 678.
- Valve, Balanced steam-. A. C. S. Leopold. No. 1,097,178; May 19; Gaz. vol. 202; p. 765.
- Valve, Blast - pressure - regulating. W. Melas. No. 1,086,681; Feb. 10; Gaz. vol. 199; p. 429.
- Valve, Bleed-. J. G. Lutes and F. E. Hardy. No. 1,109,774; Sept. 8; Gaz. vol. 206; p. 365.
- Valve-block. F. J. Douglas. No. 1,087,354; Feb. 17; Gaz. vol. 199; p. 713.
- Valve, Blow-off. L. J. Bordo. No. 1,084,601; Jan. 20; Gaz. vol. 198; p. 502.
- Valve, Blow-off. L. J. Bordo. No. 1,085,013; Jan. 20; Gaz. vol. 198; p. 643.
- Valve, Blow-off. W. W. Kemp and W. H. Van Horn. No. 1,087,782; Feb. 17; Gaz. vol. 199; p. 863.
- Valve-body, Rotary distributing. D. H. Coles and F. Charavay. No. 1,110,310; Sept. 15; Gaz. vol. 206; p. 595.
- Valve-cap. L. W. Hardy. No. 1,099,037; June 2; Gaz. vol. 203; p. 228.
- Valve, Carbureter-. J. F. Duryea. No. 1,100,291; June 16; Gaz. vol. 203; p. 741.
- Valve, Carbureter throttle-. W. James. No. 1,097,977; May 26; Gaz. vol. 202; p. 1091.
- Valve-casing for elastic-fluid turbines. R. H. Rice. No. 1,089,672; Mar. 10; Gaz. vol. 200; p. 391.
- Valve, Check-. H. J. Carbis. No. 1,112,117; Sept. 29; Gaz. vol. 206; p. 1303.
- Valve, Check-. S. S. Caskey. No. 1,105,255; July 28; Gaz. vol. 204; p. 1189.
- Valve, Check-. G. W. Day. No. 1,120,696; Dec. 15; Gaz. vol. 209; p. 708.
- Valve, Check-. A. Johnson and W. S. Durlin. No. 1,113,642; Oct. 13; Gaz. vol. 207; p. 471.
- Valve, Check-. H. E. Sullivan. No. 1,094,267; Apr. 21; Gaz. vol. 201; p. 802.
- Valve-chest, Steam-engine. J. E. Muhlfield and H. R. Stafford. No. 1,103,072; July 14; Gaz. vol. 204; p. 343.
- Valve-clamp. A. S. Vogt. No. 1,087,337; Feb. 17; Gaz. vol. 199; p. 707.
- Valve-closing means. H. W. Levering. No. 1,094,796; Apr. 28; Gaz. vol. 201; p. 1046.
- Valve-closure. S. T. Luce. No. 1,095,647; May 5; Gaz. vol. 202; p. 162.
- Valve, Combination gas-. J. W. Ashbaugh. No. 1,093,026; Apr. 14; Gaz. vol. 201; p. 343.
- Valve, Combined starting and relief. B. Krämer. No. 1,122,008; Dec. 22; Gaz. vol. 209; p. 1204.
- Valve, Compensating. S. G. Neal. No. 1,089,574; Mar. 10; Gaz. vol. 200; p. 356.
- Valve, Compensating. S. G. Neal. No. 1,089,576; Mar. 10; Gaz. vol. 200; p. 357.
- Valve, Compensating. S. G. Neal. No. 1,089,577; Mar. 10; Gaz. vol. 200; p. 358.
- Valve, Compensating. S. G. Neal. No. 1,089,578; Mar. 10; Gaz. vol. 200; p. 358.
- Valve, Compensating. S. G. Neal. No. 1,089,579; Mar. 10; Gaz. vol. 200; p. 359.
- Valve, Compound. B. T. Williston. No. 1,119,381; Dec. 1; Gaz. vol. 209; p. 166.
- Valve construction. N. N. Boyden. No. 1,087,635; Feb. 17; Gaz. vol. 199; p. 813.
- Valve control. E. Herkt. No. 1,121,245; Dec. 15; Gaz. vol. 209; p. 900.
- Valve, Control-. F. W. Jennings. No. 1,106,454; Aug. 11; Gaz. vol. 205; p. 345.
- Valve control for carbureters, Air-. A. De Clairmont. No. 1,116,673; Nov. 10; Gaz. vol. 208; p. 460.
- Valve-control mechanism for gas-engines. J. L. Simmons. No. 1,120,553; Dec. 8; Gaz. vol. 209; p. 610.
- Valve-controlled motor device. H. C. Brehmer. No. 1,120,019; Dec. 8; Gaz. vol. 209; p. 421.
- Valve-controller. W. Mennie. No. 1,091,945; Mar. 31; Gaz. vol. 200; p. 1286.
- Valve controller, Throttle-. G. P. Thurber. No. 1,117,278; Nov. 17; Gaz. vol. 208; p. 710.
- Valve-controlling gear of winding-engines. R. J. Worth. No. 1,102,117; June 30; Gaz. vol. 203; p. 1478.
- Valve, Cornet-. C. G. Conn. No. 1,112,120; Sept. 29; Gaz. vol. 206; p. 1304.
- Valve cup and guide. J. W. Dickinson. No. 1,111,368; Sept. 22; Gaz. vol. 206; p. 1009.
- Valve cut-off device, Safety-. W. V. Turner. No. 1,099,583; June 9; Gaz. vol. 203; p. 460.
- Valve cutting and reseating mechanism. J. Shannon. No. 1,099,316; June 9; Gaz. vol. 203; p. 367.
- Valve device, Automatic sand-. W. V. Turner. No. 1,120,766; Dec. 15; Gaz. vol. 209; p. 733.
- Valve device, Emergency-. W. V. Turner. No. 1,099,905; June 9; Gaz. vol. 203; p. 570.
- Valve device, Emergency-. W. V. Turner. No. 1,120,765; Dec. 15; Gaz. vol. 209; p. 732.
- Valve device for gas or fluid meters. E. V. Anderson. No. 1,120,262; Dec. 8; Gaz. vol. 209; p. 506.
- Valve device, Limiting-. W. V. Turner. No. 1,099,582; June 9; Gaz. vol. 203; p. 460.
- Valve device, Quick-action triple-. W. V. Turner. No. 1,112,493; Oct. 6; Gaz. vol. 207; p. 27.
- Valve device, Pressure-retaining-. T. A. Hedendahl. No. 1,108,170; Aug. 25; Gaz. vol. 205; p. 1043.
- Valve device, Train-pipe vent-. W. V. Turner. No. 1,114,821; Oct. 27; Gaz. vol. 207; p. 979.
- Valve device, Triple-. F. B. Farmer. No. 1,114,741; Oct. 27; Gaz. vol. 207; p. 950.
- Valve device, Triple-. W. V. Turner. No. 1,096,872; May 19; Gaz. vol. 202; p. 656.
- Valve device, Triple-. W. V. Turner. No. 1,107,380; Aug. 18; Gaz. vol. 205; p. 719.
- Valve device, Triple-. W. V. Turner. No. 1,108,948; Sept. 1; Gaz. vol. 206; p. 32.
- Valve device, Triple-. W. V. Turner. No. 1,111,777; Sept. 29; Gaz. vol. 206; p. 1188.
- Valve device, Triple-. W. V. Turner. No. 1,119,899; Dec. 8; Gaz. vol. 209; p. 379.
- Valve, Diaphragm-. G. V. Karlson. No. 1,121,105; Dec. 15; Gaz. vol. 209; p. 853.
- Valve, Discharge-. W. F. Ruwell. No. 1,120,545; Dec. 8; Gaz. vol. 209; p. 607.
- Valve, Distributing-. C. E. L. Lipman. No. 1,090,827; Mar. 17; Gaz. vol. 200; p. 828.
- Valve, Double-flap check-. H. W. Reynolds. No. 1,087,981; Feb. 24; Gaz. vol. 199; p. 979.
- Valve, Double-heading control-. J. R. Snyder. No. 1,086,335; Feb. 3; Gaz. vol. 199; p. 262.
- Valve, Drain-. L. N. Vincent. No. 1,091,463; Mar. 24; Gaz. vol. 200; p. 1073.
- Valve-dressing tool. N. B. Healy. No. 1,115,071; Oct. 27; Gaz. vol. 207; p. 1069.
- Valve, Drifting-. C. James. No. 1,111,903; Sept. 29; Gaz. vol. 206; p. 1234.
- Valve, Electric time-release air-. C. L. Bopp. No. 1,085,012; Jan. 20; Gaz. vol. 198; p. 643.
- Valve, Electrical. J. W. Beckwith. No. 1,090,902; Mar. 24; Gaz. vol. 200; p. 885.
- Valve, Electropneumatic brake-. E. H. Dewson. No. 1,108,149; Aug. 25; Gaz. vol. 205; p. 1037.

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- Valve, Electropneumatic control-. W. V. Turner. No. 1,114,823; Oct. 27; Gaz. vol. 207; p. 980.
- Valve, Emergency check-. E. V. Anderson. No. 1,113,282; Oct. 13; Gaz. vol. 207; p. 346.
- Valve, Emergency cut-off-. J. R. Snyder. No. 1,089,088; Mar. 3; Gaz. vol. 200; p. 142.
- Valve, Engine-. G. P. Aborn. No. 1,102,180; June 30; Gaz. vol. 203; p. 1499.
- Valve, Engine-. G. P. Aborn. No. 1,102,181; June 30; Gaz. vol. 203; p. 1500.
- Valve, Engine-. G. F. Gillette. No. 1,111,827; Sept. 29; Gaz. vol. 206; p. 1206.
- Valve, Engine-. J. C. Glenn. No. 1,097,543; May 19; Gaz. vol. 202; p. 891.
- Valve, Engine-. A. B. Mohler. No. 1,088,609; Feb. 24; Gaz. vol. 199; p. 1188.
- Valve, Engineer's-. H. W. Cheney. No. 1,111,439; Sept. 22; Gaz. vol. 206; p. 1033.
- Valve, Engineer's-. H. W. Cheney. No. 1,116,801; Nov. 10; Gaz. vol. 208; p. 504.
- Valve, Engineer's brake-. J. R. Snyder. No. 1,091,597; Mar. 31; Gaz. vol. 200; p. 1165.
- Valve, Engineer's brake-. J. R. Snyder. No. 1,102,100; June 30; Gaz. vol. 203; p. 1472.
- Valve, Explosion-engine-. E. Pfeiderer. No. 1,120,528; Dec. 8; Gaz. vol. 209; p. 601.
- Valve, Explosive-engine-. N. I. Perry. No. 1,096,124; May 12; Gaz. vol. 202; p. 359.
- Valve, Explosive-engine-. A. J. Ray. No. 1,096,056; May 12; Gaz. vol. 202; p. 337.
- Valve, Feed-water-. E. S. Hough. No. 1,101,933; June 30; Gaz. vol. 203; p. 1412.
- Valve, Float-. H. F. Bledsoe and B. F. Crawford. No. 1,101,394; June 23; Gaz. vol. 203; p. 1173.
- Valve, Float-. A. A. Hoffman. No. 1,093,418; Apr. 14; Gaz. vol. 201; p. 478.
- Valve, Float-. E. H. Lawrence. No. 1,119,291; Dec. 1; Gaz. vol. 209; p. 134.
- Valve, Float-. F. A. Mathys. No. 1,117,210; Nov. 17; Gaz. vol. 208; p. 686.
- Valve, Fluid-moved-. G. S. Power. No. 1,104,131; July 21; Gaz. vol. 204; p. 751.
- Valve, Fluid-pressure-releasing-. A. O. Curry. No. 1,120,452; Dec. 8; Gaz. vol. 209; p. 575.
- Valve, Flush-. P. Grabler. No. 1,123,123; Dec. 29; Gaz. vol. 209; p. 1628.
- Valve, Flush-. W. E. Sloan. No. 1,114,397; Oct. 20; Gaz. vol. 207; p. 777.
- Valve, Flush-. W. E. Sloan. No. 1,114,398; Oct. 20; Gaz. vol. 207; p. 778.
- Valve, Flush-. L. Willour. No. 1,100,110; June 16; Gaz. vol. 203; p. 677.
- Valve, Flush-tank-. R. G. Ferguson. No. 1,087,227; Feb. 17; Gaz. vol. 199; p. 670.
- Valve, Flushing-. J. L. Beck. No. 1,098,009; May 26; Gaz. vol. 202; p. 1101.
- Valve, Flushing-. W. J. Brett. No. 1,102,469; July 7; Gaz. vol. 204; p. 87.
- Valve, Flushing-. R. A. Brooks. No. 1,096,220; May 12; Gaz. vol. 202; p. 391.
- Valve, Flushing-. T. F. Payne. No. 1,117,237; Nov. 17; Gaz. vol. 208; p. 696.
- Valve, Flushing-. W. G. and C. E. Peet. No. 1,115,100; Oct. 27; Gaz. vol. 207; p. 1079.
- Valve, Flushing-. J. G. Perkins. No. 1,118,440; Nov. 24; Gaz. vol. 208; p. 1158.
- Valve, Flushing-. E. Richardson. No. 1,092,598; Apr. 7; Gaz. vol. 201; p. 164.
- Valve, Flushing-. M. W. Schmitz. No. 1,115,584; Nov. 3; Gaz. vol. 208; p. 39.
- Valve for air-brake systems, Emergency cut-off and pressure-maintenance. J. R. Snyder. No. 1,094,944; Apr. 28; Gaz. vol. 201; p. 1098.
- Valve for air-brake systems, Feed-. J. R. Snyder. No. 1,085,763; Feb. 3; Gaz. vol. 199; p. 67.
- Valve for air-brake systems, Retaining-. W. A. Talley. No. 1,097,375; May 19; Gaz. vol. 202; p. 834.
- Valve for air-brakes, Triple. W. B. Mann. No. 1,084,554; Jan. 13; Gaz. vol. 198; p. 458.
- Valve for air-feed drills, Pressure-reducing. A. H. Taylor and L. C. Bayles. No. 1,086,413; Feb. 10; Gaz. vol. 199; p. 336.
- Valve for atomizers or the like. T. A. De Vilbiss. No. 1,097,008; May 19; Gaz. vol. 202; p. 704.
- Valve for boilers, Feed-check. C. Buckland. No. 1,120,901; Dec. 15; Gaz. vol. 209; p. 781.
- Valve for bottle-filling apparatus. H. W. Van Leir. No. 1,093,365; Apr. 14; Gaz. vol. 201; p. 461.
- Valve for carbureters, Air-. J. C. Metzger. No. 1,105,090; July 28; Gaz. vol. 204; p. 1132.
- Valve for cleaning-tools. I. H. Spencer. No. 1,103,547; July 14; Gaz. vol. 204; p. 505.
- Valve for compound steam-engines, Piston distributing-. R. Wolf. No. 1,095,057; Apr. 28; Gaz. vol. 201; p. 1136.
- Valve for compressors. L. C. Bayles. No. 1,102,316; July 7; Gaz. vol. 204; p. 33.
- Valve for controlling air-brakes and the like. H. T. Hall. No. 1,089,640; Mar. 10; Gaz. vol. 200; p. 379.
- Valve for controlling fluid-pressure. R. Freer and S. Greer. No. 1,083,358; Jan. 6; Gaz. vol. 198; p. 33.
- Valve for cornets, Spit-. F. A. Snyder. No. 1,107,458; Aug. 18; Gaz. vol. 205; p. 748.
- Valve for down-spouts, Automatic gas-. E. Grueninger. No. 1,103,043; July 14; Gaz. vol. 204; p. 332.
- Valve for dry-pipe fire-sprinkler systems, Automatic. W. C. Bryce. No. 1,091,803; Mar. 31; Gaz. vol. 200; p. 1237.
- Valve for engines, Rotary. H. Hopkes. No. 1,098,574; June 2; Gaz. vol. 203; p. 77.
- Valve for engines, Rotary. E. E. Shafer. No. 1,091,541; Mar. 31; Gaz. vol. 200; p. 1147.
- Valve for engines, Twin throttle-. O. Junggren. No. 1,110,206; Sept. 8; Gaz. vol. 206; p. 520.
- Valve for explosive-engines. J. W. Meaker. No. 1,088,714; Mar. 3; Gaz. vol. 200; p. 15.
- Valve for explosive-engines, Mixing-. F. Harrold. No. 1,111,897; Sept. 29; Gaz. vol. 206; p. 1232.
- Valve for explosive-engines, Piston-. L. C. Maltby. No. 1,110,635; Sept. 15; Gaz. vol. 206; p. 712.
- Valve for explosive-engines, Rotary. W. R. Hallett. No. 1,109,628; Sept. 1; Gaz. vol. 206; p. 271.
- Valve for fire-sprinkler systems, Automatic. W. C. Bryce. No. 1,115,896; Nov. 3; Gaz. vol. 208; p. 146.
- Valve for fireless cookers, Relief-. H. Kibele. No. 1,117,399; Nov. 17; Gaz. vol. 208; p. 753.
- Valve for fluid-holding receptacles, Charging-. M. Mauran. No. 1,100,439; June 16; Gaz. vol. 203; p. 792.
- Valve for flushing-tanks. W. E. Burke. No. 1,114,444; Oct. 20; Gaz. vol. 207; p. 796.
- Valve for fuel-oil tanks, Lubricating-. W. H. Smith. No. 1,100,787; June 23; Gaz. vol. 203; p. 963.
- Valve for gas-burners, Safety automatic. E. S. Halsey. No. 1,096,836; May 19; Gaz. vol. 202; p. 644.
- Valve for gas-engines, Admission-. C. N. Scott. No. 1,117,258; Nov. 17; Gaz. vol. 208; p. 703.
- Valve for gas-engines, Inlet-. A. C. Menges. No. 1,113,810; Oct. 13; Gaz. vol. 207; p. 531.
- Valve for gas-engines, Starting-. W. H. Schoonmaker. No. 1,121,140; Dec. 15; Gaz. vol. 209; p. 866.
- Valve for gas-fixtures, Automatic. A. E. Hiertz. No. 1,104,116; July 21; Gaz. vol. 204; p. 744.
- Valve for gas-manifolds, Automatic air-. E. T. Scudder. No. 1,088,302; Feb. 24; Gaz. vol. 199; p. 1039.
- Valve for gasoline-tanks. J. B. McDevitt. No. 1,095,016; Apr. 28; Gaz. vol. 201; p. 1123.
- Valve for granular material. W. H. Roney. No. 1,116,741; Nov. 10; Gaz. vol. 208; p. 482.
- Valve for heating-furnaces, Reversing-. J. R. George. No. 1,093,047; Apr. 14; Gaz. vol. 201; p. 351.
- Valve for heating systems, Air-. E. P. Allen. No. 1,110,096; Sept. 8; Gaz. vol. 206; p. 480.
- Valve for internal-combustion-engine cylinders. P. W. Milburn. No. 1,102,283; July 7; Gaz. vol. 204; p. 22.
- Valve for internal-combustion engines. A. G. Clark. No. 1,112,523; Oct. 6; Gaz. vol. 207; p. 39.
- Valve for internal-combustion engines. C. W. Fowler. No. 1,117,020; Nov. 10; Gaz. vol. 208; p. 580.
- Valve for internal-combustion engines. H. G. Stark. No. 1,100,159; June 16; Gaz. vol. 203; p. 695.
- Valve for internal-combustion engines. W. E. Taft. No. 1,115,986; Nov. 3; Gaz. vol. 208; p. 178.
- Valve for internal-combustion engines. W. E. Taft. No. 1,115,987; Nov. 3; Gaz. vol. 208; p. 178.
- Valve for internal-combustion engines. C. N. Teetor. No. 1,115,748; Nov. 3; Gaz. vol. 208; p. 96.
- Valve for internal-combustion engines. S. Upton. No. 1,101,590; June 30; Gaz. vol. 203; p. 1293.
- Valve for internal-combustion engines, Air-. M. R. Bennett. No. 1,113,867; Oct. 13; Gaz. vol. 207; p. 552.
- Valve for internal-combustion engines, Air-. A. G. Garbutt. No. 1,101,920; June 30; Gaz. vol. 203; p. 1407.
- Valve for internal-combustion engines, Automatic auxiliary air-. E. E. Sly. No. 1,102,303; July 7; Gaz. vol. 204; p. 28.
- Valve for internal-combustion engines, Compound induction-. L. Atwood. No. 1,112,188; Sept. 29; Gaz. vol. 206; p. 1328.
- Valve for internal-combustion engines, Inlet-. W. Spacke. No. 1,108,266; Aug. 25; Gaz. vol. 205; p. 1078.
- Valve for internal-combustion engines, Rotary. F. A. Truesdell. No. 1,113,512; Oct. 13; Gaz. vol. 207; p. 428.
- Valve for internal-combustion turbines, Feed-. J. Raclot and C. Enderlin. No. 1,086,216; Feb. 3; Gaz. vol. 199; p. 224.
- Valve for irrigating devices, Outlet-. G. D. Jones. No. 1,112,622; Oct. 6; Gaz. vol. 207; p. 76.
- Valve for jarring-machines. R. F. Ringle. No. 1,083,761; Jan. 6; Gaz. vol. 198; p. 167.
- Valve for lighting-fixtures. V. H. Slinack. No. 1,089,503; Mar. 10; Gaz. vol. 200; p. 333.
- Valve for locomotive-engines, By-pass. H. C. Manchester and S. S. Riegel. No. 1,089,570; Mar. 10; Gaz. vol. 200; p. 355.
- Valve for locomotive-engines, Drifting-. H. C. Manchester and S. S. Riegel. No. 1,104,306; July 21; Gaz. vol. 204; p. 809.
- Valve for locomotives. W. S. Hodges. No. 1,122,928; Dec. 29; Gaz. vol. 209; p. 1559.

Alphabetical list of inventions—Continued.

- Valve for locomotives, Drifting-. J. Billingham and C. F. Kahler. No. 1,112,109; Sept. 29; Gaz. vol. 206; p. 1301.
- Valve for locomotives, Drifting-. F. J. Cole. No. 1,089,904; Mar. 10; Gaz. vol. 200; p. 470.
- Valve for locomotives, Drifting-. F. J. Cole. No. 1,106,081; Aug. 4; Gaz. vol. 205; p. 173.
- Valve for motors. E. J. Cook. No. 1,107,903; Aug. 18; Gaz. vol. 205; p. 902.
- Valve for percussive tools. C. H. Peck. No. 1,089,436; Mar. 10; Gaz. vol. 200; p. 307.
- Valve for pneumatic tires. V. Saam. No. 1,120,088; Dec. 8; Gaz. vol. 209; p. 444.
- Valve for pneumatic tires, Pressure-relief. W. J. Morrison. No. 1,086,550; Feb. 10; Gaz. vol. 199; p. 384.
- Valve for pressure-gages, Controlling-. J. Desmond. No. 1,102,730; July 7; Gaz. vol. 204; p. 177.
- Valve for pressure or vacuum systems, Packless. A. A. Britt. No. 1,090,269; Mar. 17; Gaz. vol. 200; p. 637.
- Valve for pressure-reducing valves, By-pass. J. C. Duncan. No. 1,120,918; Dec. 15; Gaz. vol. 209; p. 787.
- Valve for radiators, Air-. H. W. Clouche. No. 1,121,478; Dec. 15; Gaz. vol. 209; p. 981.
- Valve for radiators, Air-. G. D. Hoffman. No. 1,083,933; Jan. 13; Gaz. vol. 198; p. 251.
- Valve for radiators, Air-. T. H. Schutt. No. 1,101,339; June 23; Gaz. vol. 203; p. 1154.
- Valve for radiators and similar devices, Return-. G. M. Collier. No. 1,084,255; Jan. 13; Gaz. vol. 198; p. 361.
- Valve for steam-chests. R. C. Kilham. No. 1,091,934; Mar. 31; Gaz. vol. 200; p. 1283.
- Valve for steam-chests, Automatic drifting-. W. A. Buckbee. No. 1,116,380; Nov. 10; Gaz. vol. 208; p. 352.
- Valve for steam-cylinders, Relief-. J. H. Coyne and J. J. Worden. No. 1,110,378; Sept. 15; Gaz. vol. 206; p. 620.
- Valve for steam-engines, Piston-. R. Wolf. No. 1,092,967; Apr. 14; Gaz. vol. 201; p. 324.
- Valve for steam-heating systems. O. C. Hatch. No. 1,114,609; Oct. 20; Gaz. vol. 207; p. 851.
- Valve for steam-heating systems or steam-traps. J. L. Fitts. No. 1,096,899; May 19; Gaz. vol. 202; p. 666.
- Valve for tanks, Antifreezing outlet-. J. W. Whipp. No. 1,095,758; May 5; Gaz. vol. 202; p. 200.
- Valve for train-pipes, &c., Electrically-controlled air-releasing. T. H. Sheldon. No. 1,095,935; May 5; Gaz. vol. 202; p. 258.
- Valve for triple valves, Control-. F. H. Dukesmith. No. 1,099,287; June 9; Gaz. vol. 203; p. 357.
- Valve for vacuum heating systems. A. Porter. No. 1,086,215; Feb. 3; Gaz. vol. 199; p. 224.
- Valve for water-gages, Automatically-closing. E. Rheinbach. No. 1,089,439; Mar. 10; Gaz. vol. 200; p. 309.
- Valve for water-tanks. C. W. Arndt. No. 1,093,165; Apr. 14; Gaz. vol. 201; p. 393.
- Valve, Gas-. I. F. Hepler. No. 1,097,432; May 19; Gaz. vol. 202; p. 855.
- Valve, Gas-burner-operating-mechanism control-. H. Menzel. No. 1,121,276; Dec. 15; Gaz. vol. 209; p. 910.
- Valve, Gas-engine. E. Augustin and J. M. McDonnell. No. 1,102,183; June 30; Gaz. vol. 203; p. 1500.
- Valve, Gas-engine. G. W. Crawford. No. 1,116,999; Nov. 10; Gaz. vol. 208; p. 573.
- Valve, Gas-engine. R. E. Drennon. No. 1,084,410; Jan. 13; Gaz. vol. 198; p. 411.
- Valve, Gas-engine. W. E. Roberts. No. 1,100,151; June 16; Gaz. vol. 203; p. 692.
- Valve, Gas-regulating. H. E. Wolf. No. 1,101,225; June 23; Gaz. vol. 203; p. 1117.
- Valve, Gas relief-. L. B. Fulton. No. 1,110,320; Sept. 15; Gaz. vol. 206; p. 599.
- Valve, Gate-. C. P. Anderson. No. 1,092,421; Apr. 7; Gaz. vol. 201; p. 103.
- Valve, Gate-. T. M. Eynon. No. 1,091,918; Mar. 31; Gaz. vol. 200; p. 1278.
- Valve, Gate-. H. M. Lofton. No. 1,106,723; Aug. 11; Gaz. vol. 205; p. 441.
- Valve, Gate-. T. White. No. 1,084,588; Jan. 13; Gaz. vol. 198; p. 471.
- Valve-gear. J. A. Seymour. No. 1,111,327; Sept. 22; Gaz. vol. 206; p. 995.
- Valve-gear, Engine. R. C. Stevens. (Reissue.) No. 1,086,944; Mar. 3; Gaz. vol. 200; p. 242.
- Valve gear for four-stroke cycle explosion-engines, Slide-. H. Hüchel. No. 1,088,580; Feb. 24; Gaz. vol. 199; p. 1179.
- Valve-gear for gas-engines. W. H. Schoonmaker. No. 1,108,249; Aug. 25; Gaz. vol. 205; p. 1072.
- Valve-gear for steam-engines. E. F. Williams and L. Skinner. No. 1,109,807; Sept. 8; Gaz. vol. 206; p. 375.
- Valve gear for steam-engines, Double-slide-. L. Faisant. No. 1,096,614; May 12; Gaz. vol. 202; p. 525.
- Valve-gear for three-cylinder locomotives. F. J. Cole. No. 1,098,940; June 2; Gaz. vol. 203; p. 198.
- Valve-gear, Locomotive. W. S. Brown. No. 1,110,288; Sept. 8; Gaz. vol. 206; p. 549.
- Valve-gear, Locomotive. W. S. Brown. No. 1,114,728; Oct. 27; Gaz. vol. 207; p. 945.
- Valve-gear mechanism for steam or other elastic-fluid engines. H. Pilling. No. 1,094,243; Apr. 21; Gaz. vol. 201; p. 794.
- Valve-gear of internal-combustion engines. A. A. Remington and A. J. Rowledge. No. 1,120,240; Dec. 8; Gaz. vol. 209; p. 499.
- Valve-gear, Reversible. J. H. Earl. No. 1,106,866; Aug. 11; Gaz. vol. 205; p. 492.
- Valve-gear, Steam-engine. W. S. Brown. No. 1,085,661; Feb. 3; Gaz. vol. 199; p. 28.
- Valve-gear, Steam-engine. W. S. Brown. No. 1,086,018; Feb. 3; Gaz. vol. 199; p. 157.
- Valve-gear, Steam-engine. W. S. Brown. No. 1,100,668; June 16; Gaz. vol. 203; p. 866.
- Valve-gear, Steam-engine. W. S. Brown. (Reissue.) No. 1,137,770; July 14; Gaz. vol. 204; p. 639.
- Valve-gear, Steam-engine. W. S. Brown. No. 1,110,287; Sept. 8; Gaz. vol. 206; p. 549.
- Valve-gear, Steam-engine. W. H. Smith. No. 1,086,476; Feb. 10; Gaz. vol. 199; p. 359.
- Valve-gear, Steam-engine. H. Vissering and P. Carpenter. No. 1,103,110; July 14; Gaz. vol. 204; p. 356.
- Valve-gearing for internal-combustion engines. H. W. Bolens. No. 1,089,526; Mar. 10; Gaz. vol. 200; p. 341.
- Valve, Globe-. J. T. Langley and E. Thomas. No. 1,114,995; Oct. 27; Gaz. vol. 207; p. 1042.
- Valve, Globe-. J. R. Torbert. No. 1,115,256; Oct. 27; Gaz. vol. 207; p. 1134.
- Valve-grinder. A. B. Combs. No. 1,085,322; Jan. 27; Gaz. vol. 198; p. 787.
- Valve-grinder. O. D. Hapgood. No. 1,102,581; July 7; Gaz. vol. 204; p. 127.
- Valve-grinder. N. E. Meredith. No. 1,104,210; July 21; Gaz. vol. 204; p. 777.
- Valve-grinder. G. F. Peterson. No. 1,122,998; Dec. 29; Gaz. vol. 209; p. 1585.
- Valve-grinding device. B. F. Rehfeld. No. 1,118,804; Nov. 24; Gaz. vol. 208; p. 1282.
- Valve-grinding machine, Triple-. R. E. Ellick. No. 1,100,360; June 16; Gaz. vol. 203; p. 765.
- Valve-grinding machine, Triple-. P. E. McSweeney. No. 1,110,506; Sept. 15; Gaz. vol. 206; p. 666.
- Valve-grinding tool. J. Koletar and J. Fekete. No. 1,092,652; Apr. 7; Gaz. vol. 201; p. 183.
- Valve-grinding tool. H. R. Parsons. No. 1,112,315; Sept. 29; Gaz. vol. 206; p. 1373.
- Valve-grinding tool. J. H. Siegle, Jr., and O. H. Andrews. No. 1,101,342; June 23; Gaz. vol. 203; p. 1155.
- Valve-handle. C. A. Gooney. No. 1,113,613; Oct. 13; Gaz. vol. 207; p. 462.
- Valve, High-pressure release-. F. Phelps. No. 1,091,762; Mar. 31; Gaz. vol. 200; p. 1222.
- Valve, Hose-. J. Kirkwood. No. 1,121,847; Dec. 22; Gaz. vol. 209; p. 1147.
- Valve, Hydrant cut-out. H. Beauchamp. No. 1,096,592; May 12; Gaz. vol. 202; p. 518.
- Valve, Hydraulic. J. J. Simmonds. No. 1,103,320; July 14; Gaz. vol. 204; p. 429.
- Valve, Hydraulic. H. Woods. No. 1,105,947; Aug. 4; Gaz. vol. 205; p. 126.
- Valve, Hydraulic back-pressure. O. G. Haedike and R. D. Braden. No. 1,108,863; Aug. 25; Gaz. vol. 205; p. 1285.
- Valve-indicator. J. C. Lawson. No. 1,103,917; July 14; Gaz. vol. 204; p. 636.
- Valve-insulation casing, Removable. F. W. Franke. No. 1,108,840; Aug. 25; Gaz. vol. 205; p. 1276.
- Valve, Internal-combustion. O. Ernst. No. 1,083,812; Jan. 6; Gaz. vol. 198; p. 182.
- Valve, Internal-combustion-engine. H. E. Bailey and C. Parsons. No. 1,089,620; Mar. 10; Gaz. vol. 200; p. 372.
- Valve, Internal-combustion-engine. M. E. Dunscombe. No. 1,094,429; Apr. 28; Gaz. vol. 201; p. 915.
- Valve, Internal-combustion-engine. G. F. Gillette. No. 1,112,786; Oct. 6; Gaz. vol. 207; p. 131.
- Valve, Internal-combustion-engine. R. P. Lehr. No. 1,122,618; Dec. 29; Gaz. vol. 209; p. 1450.
- Valve, Internal-combustion-engine. H. R. Ricardo and H. A. Hetherington. No. 1,095,355; May 5; Gaz. vol. 202; p. 62.
- Valve, Internal-combustion-engine. W. E. Taft. No. 1,086,794; Feb. 10; Gaz. vol. 199; p. 471.
- Valve, Irrigation-. V. E. Nicolaides. No. 1,122,795; Dec. 29; Gaz. vol. 209; p. 1513.
- Valve-lifter. O. T. Glasscock and W. F. Phillips. No. 1,115,424; Oct. 27; Gaz. vol. 207; p. 1190.
- Valve-lighting device. C. A. Hauswirth. No. 1,116,699; Nov. 10; Gaz. vol. 208; p. 469.
- Valve link connection, Detachable. E. Diefenbach. No. 1,119,409; Dec. 1; Gaz. vol. 209; p. 176.
- Valve, Liquid-sealed. J. M. Rowland. No. 1,118,057; Nov. 24; Gaz. vol. 208; p. 1023.
- Valve-lock. W. F. Drew. No. 1,115,792; Nov. 3; Gaz. vol. 208; p. 109.
- Valve, Lock-controlled. A. W. Joynes. No. 1,107,800; Aug. 18; Gaz. vol. 205; p. 868.
- Valve-locking device. M. T. Connolly. No. 1,099,280; June 9; Gaz. vol. 203; p. 355.
- Valve-locking mechanism. J. A. Schneider. No. 1,103,477; Aug. 25; Gaz. vol. 205; p. 1151.
- Valve, Locomotive drifting-. W. J. Saxon. No. 1,095,931; May 5; Gaz. vol. 202; p. 256.

Alphabetical list of inventions—Continued.

- Valve, Main pressure-. F. Wagner. No. 1,106,757; Aug. 11; Gaz. vol. 205; p. 453.
- Valve mechanism. H. R. Atwater and E. S. Carman. No. 1,120,010; Dec. 8; Gaz. vol. 209; p. 417.
- Valve mechanism. W. J. Kenney and H. P. Grohn. No. 1,095,281; May 5; Gaz. vol. 202; p. 37.
- Valve mechanism. E. S. Matthews. No. 1,095,508; May 5; Gaz. vol. 202; p. 115.
- Valve mechanism. J. T. Morrison. No. 1,099,389; June 9; Gaz. vol. 203; p. 394.
- Valve mechanism. C. J. Pembroke. No. 1,102,605; July 7; Gaz. vol. 204; p. 135.
- Valve mechanism. F. Samuelson. No. 1,106,895; Aug. 11; Gaz. vol. 205; p. 502.
- Valve mechanism. J. T. Underwood. No. 1,086,424; Feb. 10; Gaz. vol. 199; p. 339.
- Valve mechanism. J. Wilson. No. 1,084,992; Jan. 20; Gaz. vol. 198; p. 635.
- Valve mechanism, Air-brake-control-. A. J. Allard. No. 1,096,777; May 12; Gaz. vol. 202; p. 579.
- Valve mechanism, Cut-off-. W. Y. Moffat. No. 1,086,071; Feb. 3; Gaz. vol. 199; p. 177.
- Valve mechanism, Engine. G. F. Gillette. No. 1,115,660; Nov. 3; Gaz. vol. 208; p. 66.
- Valve mechanism, Explosive-engine. U. S. Traub. No. 1,089,989; Mar. 10; Gaz. vol. 200; p. 499.
- Valve mechanism for air-compressors. H. V. Conrad. No. 1,096,828; May 19; Gaz. vol. 202; p. 641.
- Valve mechanism for air-compressors. C. Day and G. E. Windeler. No. 1,088,264; Feb. 24; Gaz. vol. 199; p. 1076.
- Valve mechanism for engines. E. A. Moore. No. 1,096,259; May 12; Gaz. vol. 202; p. 407.
- Valve mechanism for explosion-motors. A. J. B. Jaubert. No. 1,120,149; Dec. 8; Gaz. vol. 209; p. 466.
- Valve mechanism for explosive-engines. O. Miller. No. 1,085,462; Jan. 27; Gaz. vol. 198; p. 833.
- Valve mechanism for gas-engines. C. L. Cookson. No. 1,105,125; July 28; Gaz. vol. 204; p. 1142.
- Valve mechanism for gas-engines. W. A. Gill. No. 1,110,921; Sept. 15; Gaz. vol. 206; p. 812.
- Valve mechanism for grain-dampeners, Automatic cut-off-. A. H. Kirk. No. 1,121,846; Dec. 22; Gaz. vol. 209; p. 1146.
- Valve mechanism for hydraulic transmission. H. Lentz. No. 1,107,675; Aug. 18; Gaz. vol. 205; p. 825.
- Valve mechanism for hydrocarbon-engines. R. Huff. No. 1,111,462; Sept. 22; Gaz. vol. 206; p. 1041.
- Valve mechanism for internal-combustion engines. S. T. Allen and G. A. Cleaveland, Jr. No. 1,104,466; July 21; Gaz. vol. 204; p. 866.
- Valve mechanism for internal-combustion engines. J. E. Browne. No. 1,096,596; May 12; Gaz. vol. 202; p. 519.
- Valve mechanism for internal-combustion engines. J. L. Cook. No. 1,115,901; Nov. 3; Gaz. vol. 208; p. 148.
- Valve mechanism for internal-combustion engines. H. P. E. Miller. No. 1,112,225; Sept. 29; Gaz. vol. 206; p. 1342.
- Valve mechanism for internal-combustion engines. E. E. Proulx. No. 1,112,933; Oct. 6; Gaz. vol. 207; p. 182.
- Valve mechanism for internal-combustion engines. J. W. Whitlock. No. 1,084,514; Jan. 13; Gaz. vol. 198; p. 443.
- Valve mechanism for internal-combustion engines, Reversing-. L. C. Meskimen. No. 1,087,033; Feb. 10; Gaz. vol. 199; p. 549.
- Valve mechanism for motors. A. F. Schmidt. No. 1,103,087; July 14; Gaz. vol. 204; p. 247.
- Valve mechanism for pneumatic players. E. T. Turney. No. 1,111,778; Sept. 29; Gaz. vol. 206; p. 1189.
- Valve mechanism for pneumatic tools. G. A. Oliver. No. 1,090,790; Mar. 17; Gaz. vol. 200; p. 815.
- Valve mechanism for pumps, engines, &c. W. A. Warman. No. 1,109,271; Sept. 1; Gaz. vol. 206; p. 147.
- Valve mechanism for steam-engines. E. W. Wright. No. 1,099,730; June 9; Gaz. vol. 203; p. 510.
- Valve mechanism, Gas-compressor. C. W. Miles. No. 1,092,782; Apr. 7; Gaz. vol. 201; p. 226.
- Valve mechanism, Internal-combustion-engine. G. Fornaca. No. 1,096,900; May 19; Gaz. vol. 202; p. 667.
- Valve mechanism, Lubricator-. M. J. Kulla. No. 1,087,023; Feb. 10; Gaz. vol. 199; p. 546.
- Valve mechanism, Motor. V. Link. No. 1,100,023; June 16; Gaz. vol. 203; p. 647.
- Valve mechanism, Motor. A. F. Schmidt. No. 1,098,411; June 2; Gaz. vol. 203; p. 19.
- Valve mechanism, Pneumatic. W. A. Watson. No. 1,094,351; Apr. 21; Gaz. vol. 201; p. 827.
- Valve mechanism, Pneumatic. W. A. Watson. No. 1,101,979; June 30; Gaz. vol. 203; p. 1428.
- Valve mechanism, Seed-chute. I. D. Cantrell. No. 1,108,131; Aug. 25; Gaz. vol. 205; p. 1030.
- Valve mechanism, Signal-. E. E. Norgaard. No. 1,096,262; May 12; Gaz. vol. 202; p. 408.
- Valve mechanism, Steam-engine. L. Skinner. (Reissue.) No. 13,768; July 7; Gaz. vol. 204; p. 281.
- Valve mechanism, Thermostatic. L. P. Hynes. No. 1,115,545; Nov. 3; Gaz. vol. 208; p. 27.
- Valve mechanism, Thermostatic. E. Ruud. No. 1,090,654; Mar. 17; Gaz. vol. 200; p. 772.
- Valve mechanism, Triple-. W. F. Atwood. No. 1,120,584; Dec. 8; Gaz. vol. 209; p. 621.
- Valve, Mixing-. E. J. Bloom. No. 1,122,848; Dec. 29; Gaz. vol. 209; p. 1532.
- Valve, Mixing-. J. Schultze. No. 1,103,439; July 14; Gaz. vol. 204; p. 468.
- Valve, Mixing-. W. A. Speakman. No. 1,121,879; Dec. 22; Gaz. vol. 209; p. 1158.
- Valve-motion case. E. P. Horton. No. 1,099,601; June 9; Gaz. vol. 203; p. 466.
- Valve of the diaphragm type, Flush-tank. C. H. Zwermann. No. 1,097,501; May 19; Gaz. vol. 202; p. 877.
- Valve of the diaphragm type, Flush-tank. C. H. Zwermann. No. 1,117,617; Nov. 17; Gaz. vol. 208; p. 828.
- Valve, One-way. J. S. Otis. No. 1,093,465; Apr. 14; Gaz. vol. 201; p. 493.
- Valve-operating device. A. H. Humphrey. No. 1,095,209; May 5; Gaz. vol. 202; p. 12.
- Valve-operating mechanism. D. D. Rock. No. 1,096,955; May 19; Gaz. vol. 202; p. 687.
- Valve-operating mechanism. J. Sabo. No. 1,089,382; Mar. 3; Gaz. vol. 200; p. 240.
- Valve-operating mechanism, Automatic. F. D. Kastner. No. 1,114,145; Oct. 20; Gaz. vol. 207; p. 687.
- Valve-operating mechanism, Flush-. J. W. Bragger. No. 1,110,251; Sept. 8; Gaz. vol. 206; p. 535.
- Valve-operating mechanism, Flush-. J. W. Meaker. No. 1,087,542; Feb. 17; Gaz. vol. 199; p. 780.
- Valve-operating mechanism, Flush-tank-. J. W. Meaker. No. 1,092,586; Apr. 7; Gaz. vol. 201; p. 160.
- Valve-operating mechanism, Flushing-. W. L. Heap. No. 1,118,201; Nov. 24; Gaz. vol. 208; p. 1073.
- Valve-operating mechanism for steam-engines. W. H. Bates. No. 1,120,994; Dec. 15; Gaz. vol. 209; p. 812.
- Valve-operating mechanism, Shut-off-. W. A. McFarland. No. 1,088,159; Feb. 24; Gaz. vol. 199; p. 1040.
- Valve-operating mechanism, Thermostatic gas-. J. Ellis. No. 1,093,771; Apr. 21; Gaz. vol. 201; p. 636.
- Valve or cock. A. Purser. No. 1,119,191; Dec. 1; Gaz. vol. 209; p. 102.
- Valve or cock, Gas. T. J. Little, Jr. No. 1,104,519; July 21; Gaz. vol. 204; p. 886.
- Valve or damper, Water-cooled. L. L. Knox. No. 1,102,197; June 30; Gaz. vol. 203; p. 1506.
- Valve or other regulating mechanism, Fluid-cushion. F. H. Brown. No. 1,094,116; Apr. 21; Gaz. vol. 201; p. 752.
- Valve, Petcock-. T. H. Goulding. No. 1,089,209; Mar. 3; Gaz. vol. 200; p. 185.
- Valve, Pilot-. E. V. Anderson. No. 1,092,806; Apr. 7; Gaz. vol. 201; p. 234.
- Valve, Piston-. F. Becher. No. 1,089,357; Mar. 3; Gaz. vol. 200; p. 233.
- Valve, Pneumatic. J. R. De Noyelles. No. 1,093,546; Apr. 14; Gaz. vol. 201; p. 517.
- Valve, Pneumatic. F. G. Lynde. No. 1,087,674; Feb. 17; Gaz. vol. 199; p. 828.
- Valve, Pneumatically-timed air-. C. L. Bopp. No. 1,114,431; Oct. 20; Gaz. vol. 207; p. 791.
- Valve-pot cover. F. M. Prescott and E. P. Worden. No. 1,100,095; June 16; Gaz. vol. 203; p. 672.
- Valve, Preference-. J. W. Gamble. No. 1,086,450; Feb. 10; Gaz. vol. 199; p. 349.
- Valve, Pressure and temperature control. J. C. Hornung. No. 1,091,660; Mar. 31; Gaz. vol. 200; p. 1187.
- Valve, Pressure-controlled. W. Raymond. No. 1,122,638; Dec. 29; Gaz. vol. 209; p. 1457.
- Valve, Pressure-controlling. F. H. Sauer. No. 1,115,582; Nov. 3; Gaz. vol. 208; p. 39.
- Valve, Pressure-reducing. F. L. Jahn. No. 1,084,940; Jan. 20; Gaz. vol. 198; p. 619.
- Valve, Pressure-regulating. W. Ross. No. 1,091,536; Mar. 31; Gaz. vol. 200; p. 1144.
- Valve, Priming-. A. H. Linley. No. 1,118,139; Nov. 24; Gaz. vol. 208; p. 1051.
- Valve, Puppet-. R. C. Stevens. No. 1,112,233; Sept. 29; Gaz. vol. 206; p. 1345.
- Valve, Quick-recharging. J. R. Snyder. No. 1,094,945; Apr. 28; Gaz. vol. 201; p. 1098.
- Valve, Radiator-. W. W. Brissenden. No. 1,089,529; Mar. 10; Gaz. vol. 200; p. 342.
- Valve, Radiator-. G. D. Hoffman. No. 1,087,119; Feb. 17; Gaz. vol. 199; p. 631.
- Valve, Radiator-. W. C. Marsh. No. 1,085,054; Jan. 20; Gaz. vol. 198; p. 657.
- Valve, Radiator vent-. W. B. Poindexter. No. 1,106,475; Aug. 11; Gaz. vol. 205; p. 354.
- Valve, Reducing-. G. H. Viger. No. 1,108,950; Sept. 1; Gaz. vol. 206; p. 32.
- Valve, Reducing-regulating-. A. W. Cash. No. 1,090,384; Mar. 17; Gaz. vol. 200; p. 678.
- Valve, Registering-. M. and F. Klitzsch. No. 1,084,015; Jan. 13; Gaz. vol. 198; p. 280.
- Valve, Regulating-. G. W. Collin. No. 1,101,617; June 30; Gaz. vol. 203; p. 1302.
- Valve, Regulating-. P. Mueller and A. C. Schuermann. No. 1,100,761; June 23; Gaz. vol. 203; p. 954.
- Valve-regulator for oil-engines. M. R. Matti. No. 1,101,652; June 30; Gaz. vol. 203; p. 1314.
- Valve, Release-. F. Phelps. No. 1,087,399; Feb. 17; Gaz. vol. 199; p. 729.

Alphabetical list of inventions—Continued.

- Valve-releaser. C. S. Sapp. No. 1,108,476; Aug. 25; Gaz. vol. 205; p. 1151.
- Valve, Relief-. C. R. Houghton. No. 1,087,906; Feb. 17; Gaz. vol. 199; p. 904.
- Valve, Relief-. H. J. Rumpf. No. 1,102,549; July 7; Gaz. vol. 204; p. 115.
- Valve-remover. C. R. Smith and A. H. Tucker. No. 1,100,155; June 16; Gaz. vol. 203; p. 694.
- Valve-remover. O. E. Stewart. No. 1,113,258; Oct. 13; Gaz. vol. 207; p. 337.
- Valve-removing tool, Engine-. S. C. North. No. 1,105,096; July 28; Gaz. vol. 204; p. 1134.
- Valve-reseater. H. Moore. No. 1,113,674; Oct. 13; Gaz. vol. 207; p. 482.
- Valve, Reversing-. C. P. Byrnes. No. 1,089,690; Mar. 10; Gaz. vol. 200; p. 397.
- Valve-reversing gear, Steam-engine. J. L. Mohun. No. 1,084,286; Jan. 13; Gaz. vol. 198; p. 371.
- Valve-reversing gear, Steam-engine. H. R. Stafford. No. 1,121,414; Dec. 15; Gaz. vol. 209; p. 958.
- Valve, Rotary. C. H. Bantley. No. 1,094,295; Apr. 21; Gaz. vol. 201; p. 811.
- Valve, Rotary. R. Gullery. No. 1,085,604; Feb. 3; Gaz. vol. 199; p. 9.
- Valve, Rotary. G. P. B. Hoyt. No. 1,091,340; Mar. 24; Gaz. vol. 200; p. 1033.
- Valve, Rotary. E. A. Nelson. No. 1,103,996; July 21; Gaz. vol. 204; p. 704.
- Valve, Rotary. R. B. Ransom. No. 1,108,002; Aug. 18; Gaz. vol. 205; p. 938.
- Valve, Rotary. S. O. Stanfield. No. 1,093,891; Apr. 21; Gaz. vol. 201; p. 677.
- Valve, Rotary engine. C. R. Spencer. No. 1,111,680; Sept. 22; Gaz. vol. 206; p. 1117.
- Valve, Safety-. J. J. Cook. No. 1,101,121; June 23; Gaz. vol. 203; p. 1080.
- Valve, Safety-. L. W. Henry. No. 1,097,095; May 19; Gaz. vol. 202; p. 737.
- Valve, Safety-. T. J. Kyne. No. 1,089,565; Mar. 10; Gaz. vol. 200; p. 353.
- Valve, Safety-. T. B. Nickel. No. 1,114,796; Oct. 27; Gaz. vol. 207; p. 970.
- Valve, Safety-. F. R. Parker. No. 1,106,108; Aug. 4; Gaz. vol. 205; p. 184.
- Valve, Safety-. H. Steinberg. No. 1,091,980; Mar. 31; Gaz. vol. 200; p. 1298.
- Valve, Safety gas-. L. F. Hager. No. 1,084,425; Jan. 13; Gaz. vol. 198; p. 415.
- Valve-seat-dressing device, Adjustable. G. W. Troutman. No. 1,088,945; Mar. 3; Gaz. vol. 200; p. 94.
- Valve-seat former. M. F. O'Keefe. No. 1,087,457; Feb. 17; Gaz. vol. 199; p. 751.
- Valve-seats and valve-cones, Device for finishing and particularly for remilling. W. Westerheide. No. 1,085,832; Feb. 3; Gaz. vol. 199; p. 90.
- Valve-seats, Tool for redressing. H. D. Sharp. No. 1,101,888; June 30; Gaz. vol. 203; p. 1395.
- Valve, Self-grinding. W. Mahony. No. 1,111,545; Sept. 22; Gaz. vol. 206; p. 1069.
- Valve, Sewer-pipe. R. R. Stielow. No. 1,119,895; Dec. 8; Gaz. vol. 209; p. 378.
- Valve, Shunter's hand-actuated air-brake. R. F. Colborne. No. 1,094,426; Apr. 28; Gaz. vol. 201; p. 914.
- Valve, Slide-. H. W. Lundquist. No. 1,105,913; Aug. 4; Gaz. vol. 205; p. 114.
- Valve, Slide-. J. Miller. No. 1,084,354; Jan. 13; Gaz. vol. 198; p. 393.
- Valve Starting-. E. L. Ragonnet. No. 1,094,247; Apr. 21; Gaz. vol. 201; p. 796.
- Valve, Steam-. W. K. Keely. No. 1,121,730; Dec. 22; Gaz. vol. 209; p. 1105.
- Valve, Steam, air, and water trap. F. W. Leuthesser. No. 1,102,768; July 7; Gaz. vol. 204; p. 191.
- Valve, Steam-engine. A. D. Skinner and R. C. Stevens. No. 1,119,462; Dec. 1; Gaz. vol. 209; p. 193.
- Valve, Steam-engine slide-. J. O. Longan. No. 1,117,070; Nov. 10; Gaz. vol. 208; p. 597.
- Valve, Steam-feed. E. F. Roettger. No. 1,119,640; Dec. 1; Gaz. vol. 209; p. 255.
- Valve, Steam-pressure-regulator. F. C. Ronk. No. 1,083,899; Jan. 6; Gaz. vol. 198; p. 207.
- Valve-stem, Self-registering. G. A. Howe. No. 1,086,296; Feb. 3; Gaz. vol. 199; p. 250.
- Valve-stems, Dust-cap for. E. L. Aiken. No. 1,123,157; Dec. 29; Gaz. vol. 209; p. 1642.
- Valve, Stop and waste. R. H. Powell. No. 1,098,168; May 26; Gaz. vol. 202; p. 1155.
- Valve structure. S. B., C. E., and W. R. Hill. No. 1,088,341; Feb. 24; Gaz. vol. 199; p. 1102.
- Valve structure. S. A. Whitehouse. No. 1,084,185; Jan. 13; Gaz. vol. 198; p. 338.
- Valve structure, Check-. P. W. Hennessy. No. 1,120,713; Dec. 15; Gaz. vol. 209; p. 714.
- Valve structure for air-compressors and the like. J. W. Gardner. No. 1,107,284; Aug. 18; Gaz. vol. 205; p. 684.
- Valve structure for explosive-engines. E. S. Cameron. No. 1,090,599; Mar. 17; Gaz. vol. 200; p. 754.
- Valve, Suction-. W. F. Ruwell. No. 1,120,546; Dec. 8; Gaz. vol. 209; p. 608.
- Valve system, Differential, pressure, and temperature control. J. C. Hornung. No. 1,100,077; June 16; Gaz. vol. 203; p. 666.
- Valve system for internal-combustion engines. C. W. Baker. No. 1,116,364; Nov. 10; Gaz. vol. 208; p. 846.
- Valve, Tank-. J. Malquist. No. 1,108,455; Aug. 25; Gaz. vol. 205; p. 1142.
- Valve, Tank-filling. O. C. Ritz-Woller. No. 1,087,983; Feb. 24; Gaz. vol. 199; p. 979.
- Valve, Tapping-. E. P. Poole. No. 1,112,093; Sept. 29; Gaz. vol. 206; p. 1296.
- Valve, Tender-tank. S. S. Riegel. No. 1,111,324; Sept. 22; Gaz. vol. 206; p. 994.
- Valve, Thermostatic. J. F. McElroy. No. 1,121,591; Dec. 15; Gaz. vol. 209; p. 1020.
- Valve, Thermostatic. J. J. McGuire. No. 1,123,208; Dec. 29; Gaz. vol. 209; p. 1661.
- Valve, Thermostatic. R. T. Parisen. No. 1,102,070; June 30; Gaz. vol. 203; p. 1462.
- Valve, Thermostatic. J. A. Serrell and J. L. Fitts. No. 1,109,705; Sept. 8; Gaz. vol. 206; p. 341.
- Valve, Thermostatic. G. F. Wentz. No. 1,088,193; Feb. 24; Gaz. vol. 199; p. 1052.
- Valve, Thermostatic controlling-. J. E. Fulweiler. No. 1,103,667; July 14; Gaz. vol. 204; p. 552.
- Valve, Thermostatic pressure-. M. Lewless. No. 1,103,787; July 14; Gaz. vol. 204; p. 592.
- Valve, Throttle-. W. A. Denehie. No. 1,106,633; Aug. 11; Gaz. vol. 205; p. 411.
- Valve, Throttle-. B. Jacoby and C. S. Johnson. No. 1,102,410; July 7; Gaz. vol. 204; p. 67.
- Valve, Throttle-. J. C. Rohe. No. 1,108,239; Aug. 25; Gaz. vol. 205; p. 1068.
- Valve, Throttle-. G. W. Rudolph. No. 1,092,748; Apr. 7; Gaz. vol. 201; p. 215.
- Valve, Tire-. W. A. Goetze and W. A. Day. No. 1,093,397; Apr. 14; Gaz. vol. 201; p. 473.
- Valve, Triple. F. H. Dukesmith. No. 1,099,286; June 9; Gaz. vol. 203; p. 357.
- Valve, Triple. H. O. Martin. No. 1,105,360; July 28; Gaz. vol. 204; p. 1228.
- Valve, Triple. J. R. Snyder. No. 1,085,764; Feb. 3; Gaz. vol. 199; p. 67.
- Valve, Triple. J. R. Snyder. No. 1,094,941; Apr. 28; Gaz. vol. 201; p. 1096.
- Valve, Triple. J. R. Snyder. No. 1,094,942; Apr. 28; Gaz. vol. 201; p. 1097.
- Valve, Triple. J. R. Snyder. No. 1,097,055; May 19; Gaz. vol. 202; p. 721.
- Valve, Triple. J. R. Snyder. No. 1,097,056; May 19; Gaz. vol. 202; p. 722.
- Valve, Triple. J. R. Snyder. No. 1,097,057; May 19; Gaz. vol. 202; p. 722.
- Valve, Triple. J. R. Snyder. No. 1,097,058; May 19; Gaz. vol. 202; p. 723.
- Valve, Triple. J. R. Snyder. No. 1,097,059; May 19; Gaz. vol. 202; p. 723.
- Valve, Triple. J. R. Snyder. No. 1,097,060; May 19; Gaz. vol. 202; p. 724.
- Valve, Triple. J. R. Snyder. No. 1,097,061; May 19; Gaz. vol. 202; p. 724.
- Valve, Triple. W. C. Webster. No. 1,117,289; Nov. 17; Gaz. vol. 208; p. 714.
- Valve-truing device. G. G. Bouthinon. No. 1,097,841; May 26; Gaz. vol. 202; p. 1040.
- Valve-truing tool. F. O. Albertson. No. 1,087,625; Feb. 17; Gaz. vol. 199; p. 808.
- Valve, Twyer-. H. Alinder. No. 1,118,613; Nov. 24; Gaz. vol. 208; p. 1219.
- Valve, Unloader-. C. B. McAulay. No. 1,110,567; Sept. 15; Gaz. vol. 206; p. 687.
- Valve, Vacuum radiator-. G. Van Dyke. No. 1,085,885; Feb. 3; Gaz. vol. 199; p. 108.
- Valve, Vacuum unit-. M. E. Bell. No. 1,116,368; Nov. 10; Gaz. vol. 208; p. 348.
- Valve, Variable-throttle. J. F. Ovenden. No. 1,099,719; June 9; Gaz. vol. 203; p. 507.
- Valve, Vent-. L. L. Richardson. No. 1,089,156; Mar. 3; Gaz. vol. 200; p. 169.
- Valve, Waste-. F. J. Torrance. No. 1,084,767; Jan. 20; Gaz. vol. 198; p. 561.
- Valve, Water-controlled gas-distributing. T. J. Radke. No. 1,086,557; Feb. 10; Gaz. vol. 199; p. 386.
- Valve water-gage. W. B. Pettus. No. 1,087,821; Feb. 17; Gaz. vol. 199; p. 876.
- Valve, Watering-trough. M. N. Helgersson. No. 1,099,800; June 9; Gaz. vol. 203; p. 533.
- Valves, Apparatus for operating flushing-. T. F. Payne. No. 1,087,255; Feb. 17; Gaz. vol. 199; p. 680.
- Valves, Attachment for pneumatic-tire. T. J. O'Leary. No. 1,093,464; Apr. 14; Gaz. vol. 201; p. 492.
- Valves, Attachment or force-tube for drain-. C. Walker. No. 1,119,554; Dec. 1; Gaz. vol. 209; p. 226.
- Valves, Device for producing alterations in the movements of. P. Kind. No. 1,107,963; Aug. 18; Gaz. vol. 205; p. 922.
- Valves, Device for removing, replacing, and adjusting stuffing-box mechanism for. A. J. Pieszak. No. 1,086,728; Feb. 10; Gaz. vol. 199; p. 446.

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- Valves for internal-combustion engines, Producing puppet. G. R. Rich. No. 1,100,779; June 23; Gaz. vol. 203; p. 960.
- Valves for radiators, Thermostatic member for air. F. W. Leuthesser. No. 1,089,929; Mar. 10; Gaz. vol. 200; p. 480.
- Valves for water-jacketed explosion-engines. M. Wagner. No. 1,107,635; Aug. 18; Gaz. vol. 205; p. 810.
- Valves, Grinding-tool for gas-engine. C. L. Baldwin. No. 1,104,863; July 28; Gaz. vol. 204; p. 1053.
- Valves, Making. R. L. Ellery. No. 1,121,619; Dec. 22; Gaz. vol. 209; p. 1065.
- Valves of locomotive-engines, Power equipment for reversing. C. L. Dunbar. No. 1,118,480; Nov. 24; Gaz. vol. 208; p. 1173.
- Valves, stay-bolts, &c., Cap for. H. P. Kraft and M. C. Schweinert. No. 1,122,613; Dec. 29; Gaz. vol. 209; p. 1448.
- Valves, Vacuum piston mechanism for locomotive drifting. J. Billingham and C. F. Kahler. No. 1,116,374; Nov. 10; Gaz. vol. 208; p. 350.
- Valved coupling. C. A. Kunz. No. 1,115,945; Nov. 3; Gaz. vol. 208; p. 163.
- Vamp throating and marking machine. G. F. Dunn. No. 1,117,955; Nov. 17; Gaz. vol. 208; p. 947.
- Vanadium from vanadium ores, Extracting. H. Boericke. No. 1,105,244; July 28; Gaz. vol. 204; p. 1185.
- Vanadium from vanadium ores, Extracting. H. Boericke. No. 1,105,245; July 28; Gaz. vol. 204; p. 1185.
- Vanity-case and mesh-bag, Combined. F. C. Miller. No. 1,111,397; Sept. 22; Gaz. vol. 206; p. 1019.
- Vapor and liquid actuated engine, Combined. B. Wolff. No. 1,095,974; May 5; Gaz. vol. 202; p. 271.
- Vapor-apparatus-controlling device. P. H. Thomas. No. 1,110,585; Sept. 15; Gaz. vol. 206; p. 694.
- Vapor-apparatus-controlling means. P. C. Hewitt. No. 1,120,949; Dec. 15; Gaz. vol. 209; p. 797.
- Vapor-apparatus-controlling means. P. C. Hewitt. No. 1,121,359; Dec. 15; Gaz. vol. 209; p. 940.
- Vapor apparatus, Mercury-. J. R. Baker. No. 1,091,180; Mar. 24; Gaz. vol. 200; p. 983.
- Vapor-burner. H. Offenbach. No. 1,094,088; Apr. 21; Gaz. vol. 201; p. 743.
- Vapor-burning apparatus. G. L. Hogan. No. 1,104,732; July 21; Gaz. vol. 204; p. 959.
- Vapor-converter. P. C. Hewitt. No. 1,110,549; Sept. 15; Gaz. vol. 206; p. 681.
- Vapor-converter, High-tension. F. H. von Keller. No. 1,110,630; Sept. 15; Gaz. vol. 206; p. 710.
- Vapor-converter-starting device. P. H. Thomas. No. 1,110,597; Sept. 15; Gaz. vol. 206; p. 698.
- Vapor-converters alive, Means for keeping. P. H. Thomas. No. 1,110,584; Sept. 15; Gaz. vol. 206; p. 693.
- Vapor-converters in series, Means for starting. P. H. Thomas. No. 1,110,599; Sept. 15; Gaz. vol. 206; p. 699.
- Vapor-converters, Operation of. P. H. Thomas. No. 1,110,588; Sept. 15; Gaz. vol. 206; p. 695.
- Vapor-converters, Operation of. P. H. Thomas. No. 1,110,594; Sept. 15; Gaz. vol. 206; p. 697.
- Vapor-converters, Operation of. P. H. Thomas. No. 1,110,595; Sept. 15; Gaz. vol. 206; p. 698.
- Vapor device, Alternating-current. P. H. Thomas. No. 1,110,589; Sept. 15; Gaz. vol. 206; p. 695.
- Vapor devices, Method of and apparatus for starting. P. H. Thomas. No. 1,110,591; Sept. 15; Gaz. vol. 206; p. 696.
- Vapor-generator. C. M. Kruger. No. 1,093,138; Apr. 14; Gaz. vol. 201; p. 384.
- Vapor or gas generating apparatus. W. F. Dunlop. No. 1,099,848; June 9; Gaz. vol. 203; p. 548.
- Vapor-rectifier system. C. P. Steinmetz. No. 1,097,062; May 19; Gaz. vol. 202; p. 725.
- Vaporizer. J. Barels. No. 1,110,866; Sept. 15; Gaz. vol. 206; p. 794.
- Vaporizer. C. R. Carpenter. No. 1,098,476; June 2; Gaz. vol. 203; p. 41.
- Vaporizer. R. F. Ensign. No. 1,108,727; Aug. 25; Gaz. vol. 203; p. 1237.
- Vaporizer. O. P. Underwood. No. 1,091,782; Mar. 31; Gaz. vol. 200; p. 1230.
- Vaporizer and burner, Hydrocarbon. E. Meltzer. No. 1,113,231; Oct. 13; Gaz. vol. 207; p. 327.
- Vaporizer and carbureter. P. M. Freer. No. 1,106,935; Aug. 11; Gaz. vol. 205; p. 516.
- Vaporizer and carbureter. F. G. Underwood. No. 1,088,749; Mar. 3; Gaz. vol. 200; p. 27.
- Vaporizer, Electric. C. L. Davis. No. 1,095,557; May 5; Gaz. vol. 202; p. 132.
- Vaporizer for petroleum or similar oils. P. Baxter. No. 1,094,416; Apr. 28; Gaz. vol. 201; p. 910.
- Vaporizer, Gasolene-. F. Ittner. No. 1,106,452; Aug. 11; Gaz. vol. 205; p. 344.
- Vaporizing device. A. Winton. No. 1,116,192; Nov. 3; Gaz. vol. 208; p. 247.
- Varnish. W. A. Beatty. No. 1,113,926; Oct. 13; Gaz. vol. 207; p. 571.
- Varnish and making same. M. F. Coughlin. No. 1,103,266; July 14; Gaz. vol. 204; p. 411.
- Varnish-cleaning composition. P. Gros. No. 1,096,427; May 12; Gaz. vol. 202; p. 463.
- Varnish composition, Cresollic. J. W. Aylsworth. No. 1,111,287; Sept. 22; Gaz. vol. 206; p. 982.
- Varnish composition for cement floors. S. Cabot. No. 1,094,118; Apr. 21; Gaz. vol. 201; p. 753.
- Varnish composition, Non-inflammable. J. W. Aylsworth. No. 1,094,830; Apr. 28; Gaz. vol. 201; p. 1059.
- Varnish-drying room. C. L. Liedblad. No. 1,104,362; July 21; Gaz. vol. 204; p. 830.
- Varnish-kiln. C. A. Cutler. No. 1,105,623; Aug. 4; Gaz. vol. 205; p. 12.
- Varnish, Manufacture of. S. E. Ford. No. 1,109,979; Sept. 8; Gaz. vol. 206; p. 439.
- Varnish-rubber. F. L. Perkins. No. 1,118,576; Nov. 24; Gaz. vol. 208; p. 1206.
- Vase and candlestick, Combination. G. A. Henckel. No. 1,109,751; Sept. 8; Gaz. vol. 206; p. 357.
- Vat-heater, Hydrocarbon. R. G. Kirkwood. No. 1,083,619; Jan. 6; Gaz. vol. 198; p. 120.
- Vats, Series of holding. W. J. Davis. No. 1,107,764; Aug. 18; Gaz. vol. 205; p. 856.
- Vault. W. Rees. No. 1,108,105; Aug. 18; Gaz. vol. 205; p. 974.
- Vault, Burial-. F. E. Arndt. No. 1,104,604; July 21; Gaz. vol. 204; p. 915.
- Vault, Burial-. E. D. Horn. No. 1,104,670; July 21; Gaz. vol. 204; p. 937.
- Vault, Burial-. L. D. Powers. No. 1,106,889; Aug. 11; Gaz. vol. 205; p. 500.
- Vault, Burial-. H. T. Reese. No. 1,092,289; Apr. 7; Gaz. vol. 201; p. 58.
- Vault, Burial-. W. C. Reinmiller. No. 1,088,725; Mar. 3; Gaz. vol. 200; p. 19.
- Vault, Burial-. I. E. Woodard. No. 1,110,520; Sept. 15; Gaz. vol. 206; p. 671.
- Vault-closure. C. G. Pfeiffer and G. W. Parker, Jr. No. 1,087,606; Feb. 17; Gaz. vol. 199; p. 802.
- Vault-cover. R. A. Norton. No. 1,105,826; Aug. 4; Gaz. vol. 205; p. 84.
- Vault-entrance. T. S. Spivey. No. 1,089,018; Mar. 3; Gaz. vol. 200; p. 118.
- Vault, Excreta-. B. J. Ashley. No. 1,105,237; July 28; Gaz. vol. 204; p. 1183.
- Vault, Grave-. W. U. Colthar. No. 1,091,196; Mar. 24; Gaz. vol. 200; p. 988.
- Vault-head. A. W. Kurz. No. 1,087,243; Feb. 17; Gaz. vol. 199; p. 676.
- Vault-head. A. W. Kurz. No. 1,092,921; Apr. 14; Gaz. vol. 201; p. 309.
- Vault-light. E. J. Alfieres. No. 1,090,113; Mar. 10; Gaz. vol. 200; p. 542.
- Vault-light. A. De Mateo, Jr. No. 1,084,406; Jan. 13; Gaz. vol. 198; p. 410.
- Vault-light construction. A. Chambley. No. 1,089,323; Mar. 3; Gaz. vol. 200; p. 220.
- Vault-light construction. A. Chambley. No. 1,109,510; Sept. 1; Gaz. vol. 206; p. 229.
- Vault, Metallic grave-. C. H. Hiser. No. 1,092,260; Apr. 7; Gaz. vol. 201; p. 46.
- Vault-mold. J. R. Jewett. No. 1,114,266; Oct. 20; Gaz. vol. 207; p. 732.
- Vault mold, Cement-grave-. C. F. Bock and W. Martin. No. 1,099,010; June 2; Gaz. vol. 203; p. 220.
- Vault protection. W. D. Hammond. No. 1,097,587; May 19; Gaz. vol. 202; p. 905.
- Vegetable and mineral matter by heat, Treating. A. G. Waterhouse and J. H. Van Mater. No. 1,105,729; Aug. 4; Gaz. vol. 205; p. 51.
- Vegetable-cutter. F. E. Drake. No. 1,095,092; Apr. 28; Gaz. vol. 201; p. 1148.
- Vegetable-cutter. A. A. Dufner. No. 1,112,991; Oct. 6; Gaz. vol. 207; p. 201.
- Vegetable-cutter. R. W. Flanagan. No. 1,113,895; Oct. 13; Gaz. vol. 207; p. 561.
- Vegetable-cutter. L. E. Hills. No. 1,122,501; Dec. 29; Gaz. vol. 209; p. 1409.
- Vegetable-cutter. M. W. A. Lade. No. 1,095,001; Apr. 28; Gaz. vol. 201; p. 1118.
- Vegetable-cutter. L. Starr. No. 1,097,479; May 19; Gaz. vol. 202; p. 870.
- Vegetable-cutters, Crank and lever mechanism for. L. F. Biesmeyer. No. 1,119,792; Dec. 8; Gaz. vol. 209; p. 342.
- Vegetable-cutting machine. P. Ryan. No. 1,099,205; June 9; Gaz. vol. 203; p. 329.
- Vegetable fiber, Securing. J. Lacroix. No. 1,111,027; Sept. 22; Gaz. vol. 206; p. 892.
- Vegetable shell, Making articles of. C. Schwinger. No. 1,115,342; Oct. 27; Gaz. vol. 207; p. 1161.
- Vegetable-topping machine. C. P. Baker. No. 1,110,370; Sept. 15; Gaz. vol. 206; p. 617.
- Vegetable-washer. G. C. Ludgate. No. 1,097,103; May 19; Gaz. vol. 202; p. 739.
- Vegetable-washer. W. J. Weber. No. 1,090,585; Mar. 17; Gaz. vol. 200; p. 749.
- Vegetable-washing machine. J. C. Wirtz. No. 1,115,142; Oct. 27; Gaz. vol. 207; p. 1094.
- Vehicle. G. B. Ambler. No. 1,113,280; Oct. 13; Gaz. vol. 207; p. 345.
- Vehicle. J. F. Appleby. No. 1,107,874; Aug. 18; Gaz. vol. 205; p. 894.

Alphabetical list of inventions—Continued.

- Vehicle. T. Brown. No. 1,099,233; June 9; Gaz. vol. 203; p. 339.
- Vehicle. E. L. and E. W. Clark. No. 1,122,686; Dec. 29; Gaz. vol. 209; p. 1476.
- Vehicle. J. H. Coffey. No. 1,099,638; June 9; Gaz. vol. 203; p. 478.
- Vehicle. F. W. Colson. No. 1,100,713; June 23; Gaz. vol. 203; p. 938.
- Vehicle. B. J. Diplock. No. 1,096,893; May 19; Gaz. vol. 202; p. 664.
- Vehicle. C. W. Jackson. No. 1,108,992; Sept. 1; Gaz. vol. 206; p. 48.
- Vehicle. T. A. Klenke. No. 1,107,311; Aug. 18; Gaz. vol. 205; p. 694.
- Vehicle. J. M. Lamsden, Jr. No. 1,113,222; Oct. 13; Gaz. vol. 207; p. 322.
- Vehicle. A. W. Olson. No. 1,108,216; Aug. 25; Gaz. vol. 205; p. 1060.
- Vehicle. M. L. Senderling. No. 1,095,127; Apr. 28; Gaz. vol. 201; p. 1159.
- Vehicle. C. J. Shimon. No. 1,113,060; Oct. 6; Gaz. vol. 207; p. 224.
- Vehicle. J. C. Smith. No. 1,085,176; Jan. 27; Gaz. vol. 198; p. 736.
- Vehicle. J. C. Smith. No. 1,103,226; July 14; Gaz. vol. 204; p. 397.
- Vehicle. J. C. Smith. No. 1,105,216; July 28; Gaz. vol. 204; p. 1174.
- Vehicle. F. A. Wieland. No. 1,109,191; Sept. 1; Gaz. vol. 206; p. 119.
- Vehicle-alarm. C. J. Coleman. No. 1,117,482; Nov. 17; Gaz. vol. 208; p. 782.
- Vehicle and elastic suspension device therefor. F. Liebau. No. 1,111,754; Sept. 29; Gaz. vol. 206; p. 1118.
- Vehicle attachment. R. Fidler and P. Napier. No. 1,106,445; Aug. 11; Gaz. vol. 205; p. 341.
- Vehicle attachment. A. Wedge. No. 1,088,495; Feb. 24; Gaz. vol. 199; p. 1152.
- Vehicle attachment, Motor-. C. Grothe. No. 1,091,746; Mar. 31; Gaz. vol. 200; p. 1217.
- Vehicle, Automatic earth-loading. D. C. Funcheon. No. 1,085,576; Jan. 27; Gaz. vol. 198; p. 870.
- Vehicle back-stop or brake. W. Siverd. No. 1,106,321; Aug. 4; Gaz. vol. 205; p. 253.
- Vehicle-bed. T. R. Edmondson. No. 1,107,596; Aug. 18; Gaz. vol. 205; p. 797.
- Vehicle-bed. T. R. Edmondson. (Reissue.) No. 13,805; Oct. 6; Gaz. vol. 207; p. 266.
- Vehicle-body. M. A. Buch. No. 1,089,817; Mar. 10; Gaz. vol. 200; p. 439.
- Vehicle-body. C. A. Green. No. 1,112,002; Sept. 29; Gaz. vol. 206; p. 1265.
- Vehicle-body. J. Hammel. No. 1,090,849; Mar. 24; Gaz. vol. 200; p. 867.
- Vehicle-body. H. H. Marker. No. 1,085,350; Jan. 27; Gaz. vol. 198; p. 797.
- Vehicle-body. R. Stephens. No. 1,093,952; Apr. 21; Gaz. vol. 201; p. 697.
- Vehicle body. Parcel-delivery-. R. E. Greene. No. 1,113,985; Oct. 20; Gaz. vol. 207; p. 630.
- Vehicle body raising and lowering apparatus. T. Brown. No. 1,100,350; June 16; Gaz. vol. 203; p. 761.
- Vehicle bow-spring. G. Thomas. No. 1,101,586; June 30; Gaz. vol. 203; p. 1291.
- Vehicle-brake. C. E. F. Ahlm and C. E. Cochran. No. 1,121,221; Dec. 15; Gaz. vol. 209; p. 892.
- Vehicle-brake. C. W. Bass. No. 1,101,236; June 23; Gaz. vol. 203; p. 1120.
- Vehicle-brake. C. H. Brown. No. 1,116,235; Nov. 3; Gaz. vol. 208; p. 263.
- Vehicle-brake. A. C. Culver and A. W. Russel. No. 1,092,342; Apr. 7; Gaz. vol. 201; p. 76.
- Vehicle-brake. H. T. Dahms. No. 1,111,647; Sept. 22; Gaz. vol. 206; p. 1106.
- Vehicle-brake. C. J. Dale. No. 1,110,255; Sept. 8; Gaz. vol. 206; p. 537.
- Vehicle-brake. O. Fraschini. No. 1,103,751; July 14; Gaz. vol. 204; p. 579.
- Vehicle-brake. R. Huff. No. 1,092,531; Apr. 7; Gaz. vol. 201; p. 140.
- Vehicle-brake. C. Riener. No. 1,087,553; Feb. 17; Gaz. vol. 199; p. 783.
- Vehicle-brake. W. Say. No. 1,108,794; Aug. 25; Gaz. vol. 205; p. 1258.
- Vehicle-brake. A. J. Stetler. No. 1,084,976; Jan. 20; Gaz. vol. 198; p. 630.
- Vehicle brake mechanism, Motor-. J. B. Bartholomew. No. 1,086,801; Feb. 10; Gaz. vol. 199; p. 473.
- Vehicle-bumper. T. A. Hoover. No. 1,105,974; Aug. 4; Gaz. vol. 205; p. 136.
- Vehicle chassis, Motor-. W. H. Douglas. No. 1,115,413; Oct. 27; Gaz. vol. 207; p. 1186.
- Vehicle, Collapsible. O. N. Turner. No. 1,114,314; Oct. 20; Gaz. vol. 207; p. 748.
- Vehicle construction, Motor-. E. Gruenfeldt. No. 1,110,134; Sept. 8; Gaz. vol. 206; p. 496.
- Vehicle construction, Motor-. E. Gruenfeldt. No. 1,110,199; Sept. 8; Gaz. vol. 206; p. 517.
- Vehicle control-levers. G. F. Larkin. No. 1,088,595; Feb. 24; Gaz. vol. 199; p. 1184.
- Vehicle control mechanism, Motor-. G. M. Bacon. No. 1,104,161; July 21; Gaz. vol. 204; p. 760.
- Vehicle controlling apparatus. T. Bodde. No. 1,094,973; Apr. 28; Gaz. vol. 201; p. 1109.
- Vehicle controlling mechanism, Motor-. R. Huff. No. 1,121,838; Dec. 22; Gaz. vol. 209; p. 1143.
- Vehicle controlling system, Motor-. D. M. Smith. No. 1,115,120; Oct. 27; Gaz. vol. 207; p. 1086.
- Vehicle-coupling. A. L. Thompson. No. 1,103,163; July 14; Gaz. vol. 204; p. 376.
- Vehicle coupling-lock. Wheeled-. M. J. Todd. No. 1,103,452; July 14; Gaz. vol. 204; p. 472.
- Vehicle cushioned suspension. W. L. L. Peltz. No. 1,084,819; Jan. 20; Gaz. vol. 198; p. 579.
- Vehicle cushioning device. J. H. Clune. No. 1,106,496; Aug. 11; Gaz. vol. 205; p. 362.
- Vehicle cushioning device. T. A. Klenke and S. Olsen. No. 1,119,018; Dec. 1; Gaz. vol. 209; p. 41.
- Vehicle cushioning device. W. C. Mayer. No. 1,120,511; Dec. 8; Gaz. vol. 209; p. 594.
- Vehicle cushioning means. M. G. McGuire. No. 1,112,714; Oct. 6; Gaz. vol. 207; p. 108.
- Vehicle-dash. W. J. Mitchell. No. 1,094,860; Apr. 28; Gaz. vol. 201; p. 1069.
- Vehicle-door. W. B. C. Hershey. No. 1,113,214; Oct. 13; Gaz. vol. 207; p. 321.
- Vehicle door-antirattler. H. Ervien. No. 1,089,193; Mar. 3; Gaz. vol. 200; p. 180.
- Vehicle door closing and locking mechanism, Automatic. W. Hobohm. No. 1,095,634; May 5; Gaz. vol. 202; p. 157.
- Vehicle door-control device. W. E. Johnson. No. 1,093,629; Apr. 21; Gaz. vol. 201; p. 589.
- Vehicle door-lock. H. P. Wells. No. 1,093,812; Apr. 21; Gaz. vol. 201; p. 650.
- Vehicle-door lock, Storm-. T. H. Parry. No. 1,103,075; July 14; Gaz. vol. 204; p. 344.
- Vehicle, Double-deck. P. J. Mitten. No. 1,102,602; July 7; Gaz. vol. 204; p. 134.
- Vehicle, Double-decked. L. Spängler. No. 1,085,504; Jan. 27; Gaz. vol. 198; p. 847.
- Vehicle draft mechanism. G. F. Mann. No. 1,089,847; Mar. 10; Gaz. vol. 200; p. 450.
- Vehicle driving-gear, Motor-. T. F. Evans. No. 1,105,640; Aug. 4; Gaz. vol. 205; p. 19.
- Vehicle driving-gearing, Motor-. H. P. Maxim. No. 1,103,978; July 21; Gaz. vol. 204; p. 698.
- Vehicle driving mechanism. A. S. Krotz. No. 1,115,944; Nov. 3; Gaz. vol. 208; p. 162.
- Vehicle driving mechanism, Electrically-propelled-. E. W. Schneider. No. 1,093,149; Apr. 14; Gaz. vol. 201; p. 387.
- Vehicle driving mechanism, Motor-. F. Collischonn. No. 1,083,730; Jan. 6; Gaz. vol. 198; p. 157.
- Vehicle driving mechanism, Motor-. H. P. Rhodes. No. 1,108,474; Aug. 25; Gaz. vol. 205; p. 1150.
- Vehicle driving mechanism, Motor-. J. C. Sturgeon. No. 1,105,165; July 28; Gaz. vol. 204; p. 1156.
- Vehicle-dump. C. L. Aygarn. No. 1,120,358; Dec. 8; Gaz. vol. 209; p. 541.
- Vehicle dump-body. D. A. Lowney. No. 1,109,132; Sept. 1; Gaz. vol. 206; p. 96.
- Vehicle dust-subduer, Motor-. B. Sammel. No. 1,097,674; May 26; Gaz. vol. 202; p. 981.
- Vehicle, Electrically-propelled. H. W. Leonard. No. 1,121,379; Dec. 15; Gaz. vol. 209; p. 946.
- Vehicle, Electrically-propelled. H. W. Leonard. No. 1,121,380; Dec. 15; Gaz. vol. 209; p. 947.
- Vehicle, Electrically-propelled. H. W. Leonard. No. 1,121,381; Dec. 15; Gaz. vol. 209; p. 947.
- Vehicle, Electrically-propelled. H. W. Leonard. No. 1,121,382; Dec. 15; Gaz. vol. 209; p. 948.
- Vehicle elevating and turning device. R. Bauman. No. 1,087,424; Feb. 17; Gaz. vol. 199; p. 738.
- Vehicle-elevator. H. E. Shumway and W. T. Scholz. No. 1,115,117; Oct. 27; Gaz. vol. 207; p. 1085.
- Vehicle emergency-wheel. W. G. Wise. No. 1,118,611; Nov. 24; Gaz. vol. 208; p. 1218.
- Vehicle-fender. L. J. Brehl. No. 1,116,981; Nov. 10; Gaz. vol. 208; p. 566.
- Vehicle-fender. D. Ghezzi. No. 1,083,824; Jan. 5; Gaz. vol. 198; p. 185.
- Vehicle-fender. G. Hipgood and P. Egan. No. 1,085,423; Jan. 27; Gaz. vol. 198; p. 821.
- Vehicle-fender. J. H. Jenkins. No. 1,088,426; Feb. 24; Gaz. vol. 199; p. 1130.
- Vehicle-fender. A. J. Kolanko. No. 1,085,613; Feb. 3; Gaz. vol. 199; p. 12.
- Vehicle-fender. H. Lynn. No. 1,101,943; June 30; Gaz. vol. 203; p. 1416.
- Vehicle-fender. J. F. Wittmann. No. 1,087,521; Feb. 17; Gaz. vol. 199; p. 771.
- Vehicle fender-light. F. R. Pike. No. 1,110,227; Sept. 8; Gaz. vol. 206; p. 527.
- Vehicle fender, Motor-. F. N. Kruckow. No. 1,099,058; June 2; Gaz. vol. 203; p. 235.
- Vehicle fifth-wheel. J. A. Moxey. No. 1,122,214; Dec. 22; Gaz. vol. 209; p. 1272.
- Vehicle, Folding. G. B. Ambler. No. 1,095,975; May 5; Gaz. vol. 202; p. 272.

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- Vehicle, Folding. G. B. Ambler. No. 1,099,139; June 2; Gaz. vol. 203; p. 261.
- Vehicle, Folding. A. E. McGill. No. 1,111,662; Sept. 22; Gaz. vol. 206; p. 1111.
- Vehicle folding top. A. N. Chenoweth. No. 1,083,273; Jan. 6; Gaz. vol. 198; p. 4.
- Vehicle folding top. J. M. Sharrer. No. 1,086,733; Feb. 10; Gaz. vol. 199; p. 448.
- Vehicle, Four-seated. H. H. Kennedy. No. 1,087,540; Feb. 17; Gaz. vol. 199; p. 779.
- Vehicle-frame. A. J. Petter. No. 1,085,995; Feb. 3; Gaz. vol. 199; p. 149.
- Vehicle-gear. F. E. Wilcox. No. 1,122,452; Dec. 29; Gaz. vol. 209; p. 1392.
- Vehicle gear-shifter, Motor-. H. A. Myers. No. 1,107,827; Aug. 18; Gaz. vol. 205; p. 877.
- Vehicle guiding means, Wheeled-. M. J. Todd. No. 1,096,576; May 12; Gaz. vol. 202; p. 513.
- Vehicle guiding mechanism. F. W. Brandt. No. 1,087,636; Feb. 17; Gaz. vol. 199; p. 814.
- Vehicle-heater. W. H. Miller. No. 1,108,513; Aug. 25; Gaz. vol. 205; p. 1164.
- Vehicle heater and foot-rest. A. J. Johnson. No. 1,088,583; Feb. 24; Gaz. vol. 199; p. 1180.
- Vehicle heater, Motor-driven-. J. W. Robinson. No. 1,117,444; Nov. 17; Gaz. vol. 208; p. 769.
- Vehicle heating apparatus, Motor-. D. W. Dudderar. No. 1,091,816; Mar. 31; Gaz. vol. 200; p. 1242.
- Vehicle hinged seat. J. L. Beeson. No. 1,097,512; May 19; Gaz. vol. 202; p. 880.
- Vehicle hoisting device, Motor-. F. A. Simonds. No. 1,106,684; Aug. 11; Gaz. vol. 205; p. 428.
- Vehicle-hood. M. Buch. No. 1,100,653; June 16; Gaz. vol. 203; p. 862.
- Vehicle-hood, Hinged. T. Golde. No. 1,092,352; Apr. 7; Gaz. vol. 201; p. 79.
- Vehicle hood, Road-. W. F. Spurling. No. 1,118,246; Nov. 24; Gaz. vol. 208; p. 1087.
- Vehicle, Horseless farm-. S. Montgomery. No. 1,121,751; Dec. 22; Gaz. vol. 209; p. 1112.
- Vehicle-indicator. J. G. Kraft. No. 1,086,539; Feb. 10; Gaz. vol. 199; p. 380.
- Vehicle-indicator. A. C. Mather. No. 1,101,205; June 23; Gaz. vol. 203; p. 1109.
- Vehicle, Indicator for illustrating and signaling the route of a. P. Papini. No. 1,112,086; Sept. 29; Gaz. vol. 206; p. 1293.
- Vehicle, Interchangeable motor-. J. H. Venners. No. 1,106,689; Aug. 11; Gaz. vol. 205; p. 430.
- Vehicle-jack. J. P. Armon. No. 1,092,001; Mar. 31; Gaz. vol. 200; p. 1304.
- Vehicle-jack. J. A. Douglass. No. 1,100,547; June 16; Gaz. vol. 203; p. 827.
- Vehicle-jack. H. C. Edwards. No. 1,090,781; Mar. 17; Gaz. vol. 200; p. 812.
- Vehicle-jack. E. W. McCarroll. No. 1,087,250; Feb. 17; Gaz. vol. 199; p. 678.
- Vehicle-jack. B. G. Richards. No. 1,098,639; June 2; Gaz. vol. 203; p. 97.
- Vehicle lamp and tag support. J. H. Mertz. No. 1,112,823; Oct. 6; Gaz. vol. 207; p. 144.
- Vehicle leaf-spring. R. H. Berkstresser. No. 1,099,533; June 9; Gaz. vol. 203; p. 442.
- Vehicle license-plate, Motor-. S. S. Adams. No. 1,092,887; Apr. 14; Gaz. vol. 201; p. 297.
- Vehicle lift-jack. J. H. Burkholder. No. 1,119,241; Dec. 1; Gaz. vol. 209; p. 118.
- Vehicle light attachment. J. S. Williams. No. 1,121,882; Dec. 22; Gaz. vol. 209; p. 1159.
- Vehicle loading and unloading device. J. L. Breese, Jr. No. 1,113,191; Oct. 13; Gaz. vol. 207; p. 312.
- Vehicle, Motor-. L. M. Buchanan. No. 1,090,132; Mar. 17; Gaz. vol. 200; p. 588.
- Vehicle, Motor-. L. W. Burrell. No. 1,112,434; Oct. 6; Gaz. vol. 207; p. 6.
- Vehicle, Motor-. H. D. Church. No. 1,122,074; Dec. 22; Gaz. vol. 209; p. 1226.
- Vehicle, Motor-. E. P. Cowles. No. 1,103,567; July 14; Gaz. vol. 204; p. 514.
- Vehicle, Motor-. E. P. Cowles. No. 1,107,042; Aug. 11; Gaz. vol. 205; p. 550.
- Vehicle, Motor-. E. P. Cowles. No. 1,112,678; Oct. 6; Gaz. vol. 207; p. 96.
- Vehicle, Motor-. J. Dain. No. 1,120,286; Dec. 8; Gaz. vol. 209; p. 515.
- Vehicle, Motor-. G. Felty. No. 1,120,188; Dec. 8; Gaz. vol. 209; p. 480.
- Vehicle, Motor-. J. H. Fitch. No. 1,114,245; Oct. 20; Gaz. vol. 207; p. 725.
- Vehicle, Motor-. H. E. Hoines. No. 1,087,372; Feb. 17; Gaz. vol. 199; p. 720.
- Vehicle, Motor-. R. Huff. No. 1,087,945; Feb. 24; Gaz. vol. 199; p. 965.
- Vehicle, Motor-. R. Huff. No. 1,101,850; June 30; Gaz. vol. 203; p. 1382.
- Vehicle, Motor-. O. K. Kaasa. No. 1,103,419; July 14; Gaz. vol. 204; p. 462.
- Vehicle, Motor-. T. A. Klenke. No. 1,119,019; Dec. 1; Gaz. vol. 209; p. 42.
- Vehicle, Motor-. C. E. Lighter. No. 1,093,445; Apr. 14; Gaz. vol. 201; p. 486.
- Vehicle, Motor-. V. Link. No. 1,083,330; Jan. 6; Gaz. vol. 198; p. 24.
- Vehicle, Motor-. A. Loomis. No. 1,101,202; June 23; Gaz. vol. 203; p. 1108.
- Vehicle, Motor-. C. B. Lord. No. 1,084,283; Jan. 13; Gaz. vol. 198; p. 370.
- Vehicle, Motor-. T. Lyon. No. 1,121,193; Dec. 15; Gaz. vol. 209; p. 884.
- Vehicle, Motor-. A. Macauley. No. 1,122,014; Dec. 22; Gaz. vol. 209; p. 1206.
- Vehicle, Motor-. C. M. Manly. No. 1,101,864; June 30; Gaz. vol. 203; p. 1387.
- Vehicle, Motor-. W. L. Marr. No. 1,113,130; Oct. 6; Gaz. vol. 207; p. 247.
- Vehicle, Motor-. L. S. Pfouts. No. 1,104,446; July 21; Gaz. vol. 204; p. 858.
- Vehicle, Motor-. F. M. Platt. No. 1,097,261; May 19; Gaz. vol. 202; p. 794.
- Vehicle, Motor-. E. R. Robinson. No. 1,109,018; Sept. 1; Gaz. vol. 206; p. 57.
- Vehicle, Motor-. D. M. Smith. No. 1,085,501; Jan. 27; Gaz. vol. 198; p. 846.
- Vehicle, Motor-. W. S. Thompson and J. F. Henderson. No. 1,086,738; Feb. 10; Gaz. vol. 199; p. 450.
- Vehicle, Motor-. M. Tibbetts. No. 1,097,777; May 26; Gaz. vol. 202; p. 1018.
- Vehicle, Motor-. M. Tibbetts. No. 1,097,778; May 26; Gaz. vol. 202; p. 1019.
- Vehicle, Motor-. M. S. Towson. No. 1,112,172; Sept. 29; Gaz. vol. 206; p. 1323.
- Vehicle, Motor-. M. S. Towson. No. 1,112,173; Sept. 29; Gaz. vol. 206; p. 1323.
- Vehicle, Motor-. W. I. Twombly. No. 1,089,024; Mar. 3; Gaz. vol. 200; p. 120.
- Vehicle, Motor-. W. I. Twombly. No. 1,120,106; Dec. 8; Gaz. vol. 209; p. 450.
- Vehicle, Motor-. E. Y. White. No. 1,120,988; Dec. 15; Gaz. vol. 209; p. 810.
- Vehicle, Motor-driven. L. F. E. Vondrachek. No. 1,107,563; Aug. 18; Gaz. vol. 205; p. 785.
- Vehicle, Motor-driven. G. R. Wadsworth. No. 1,097,954; May 26; Gaz. vol. 202; p. 1082.
- Vehicle, Motor-propelled. T. F. Crary and A. S. Pfarr. No. 1,087,282; Feb. 17; Gaz. vol. 199; p. 688.
- Vehicle, Motor-propelled. R. H. Nesmith. No. 1,116,102; Nov. 3; Gaz. vol. 208; p. 218.
- Vehicle, Motor road-. A. G. New. No. 1,086,340; Feb. 3; Gaz. vol. 199; p. 263.
- Vehicle mud-guard. A. W. Dickerson. No. 1,094,134; Apr. 21; Gaz. vol. 201; p. 758.
- Vehicle mud-guard, Motor-. W. H. Holland. No. 1,107,949; Aug. 18; Gaz. vol. 205; p. 918.
- Vehicle mud-guard, Motor and other road-. F. Rawlins. No. 1,106,159; Aug. 4; Gaz. vol. 205; p. 201.
- Vehicle mud-guard, Road-. T. R. Widman. No. 1,095,053; Apr. 28; Gaz. vol. 201; p. 1135.
- Vehicle, Multi-axle railway-. E. R. Klien and H. R. Lindner. No. 1,100,577; June 16; Gaz. vol. 203; p. 837.
- Vehicle package-carrier. J. S. Dunham. No. 1,116,039; Nov. 3; Gaz. vol. 208; p. 196.
- Vehicle, Passenger-. R. T. Senter. No. 1,105,706; Aug. 4; Gaz. vol. 205; p. 42.
- Vehicle passenger-register. E. Priestman and F. Nell. No. 1,088,622; Feb. 24; Gaz. vol. 199; p. 1193.
- Vehicle plate-spring. H. Mayer. No. 1,115,708; Nov. 3; Gaz. vol. 208; p. 83.
- Vehicle pneumatic suspension. C. A. Erickson. No. 1,104,294; July 21; Gaz. vol. 204; p. 806.
- Vehicle pneumatic suspension. W. Sellenger. No. 1,091,250; Mar. 24; Gaz. vol. 200; p. 1007.
- Vehicle pneumatic suspension device. J. Williamson. No. 1,083,969; Jan. 13; Gaz. vol. 198; p. 264.
- Vehicle pneumatic suspension device. J. Williamson. No. 1,083,970; Jan. 13; Gaz. vol. 198; p. 264.
- Vehicle pneumatic suspension device. J. Williamson. No. 1,089,610; Mar. 10; Gaz. vol. 200; p. 369.
- Vehicle, Power-driven. J. E. Matson. No. 1,100,595; June 16; Gaz. vol. 203; p. 842.
- Vehicle power plant. E. F. Howe. No. 1,095,867; May 5; Gaz. vol. 202; p. 235.
- Vehicle propelling attachment, Motor-. S. P. Carey. No. 1,100,119; June 16; Gaz. vol. 203; p. 681.
- Vehicle propelling means. B. Thoens. No. 1,121,419; Dec. 15; Gaz. vol. 209; p. 960.
- Vehicle propelling mechanism. J. P. Leggett. No. 1,093,277; Apr. 14; Gaz. vol. 201; p. 431.
- Vehicle propulsion, System of. A. Churchward. No. 1,091,632; Mar. 31; Gaz. vol. 200; p. 1177.
- Vehicle-reach. A. C. Walter. No. 1,100,797; June 23; Gaz. vol. 203; p. 967.
- Vehicle rear-end signal. C. F. Marston. No. 1,095,902; May 5; Gaz. vol. 202; p. 247.
- Vehicle rear signal. M. F. Walsh. No. 1,108,036; Aug. 18; Gaz. vol. 205; p. 950.
- Vehicle rebound-brake, Spring. W. G. Cox. No. 1,110,311; Sept. 15; Gaz. vol. 206; p. 595.
- Vehicle receptacle attachment. C. C. Stevens. No. 1,113,845; Oct. 13; Gaz. vol. 207; p. 544.
- Vehicle, Refuse-. J. Bart. No. 1,111,052; Sept. 22; Gaz. vol. 206; p. 901.

Alphabetical list of inventions—Continued.

- Vehicle-rim, Demountable. C. A. Myers. No. 1,109,173; Sept. 1; Gaz. vol. 206; p. 113.
- Vehicle-rim, Demountable. D. B. Richardson. No. 1,115,867; Nov. 3; Gaz. vol. 208; p. 136.
- Vehicle road-indicator. G. McIntosh. No. 1,097,593; May 19; Gaz. vol. 202; p. 908.
- Vehicle-runners. Shaft attachment for. O. G. Rude. No. 1,105,103; July 28; Gaz. vol. 204; p. 1135.
- Vehicle running-gear. J. E. Bennett. No. 1,116,869; Nov. 10; Gaz. vol. 208; p. 528.
- Vehicle running-gear. J. E. Simmons. No. 1,118,242; Nov. 24; Gaz. vol. 208; p. 1086.
- Vehicle running-gear. S. W. and C. V. Tichenor. No. 1,089,988; Mar. 10; Gaz. vol. 200; p. 498.
- Vehicle running-gear, Motor-. D. M. Dearing. No. 1,120,036; Dec. 8; Gaz. vol. 209; p. 427.
- Vehicle running-gear, Motor-. D. Fairley. No. 1,088,888; Mar. 3; Gaz. vol. 200; p. 74.
- Vehicle safety appliance, Motor-. A. B. Weil and H. F. Stuhr. No. 1,113,524; Oct. 13; Gaz. vol. 207; p. 432.
- Vehicle safety device. H. L. Eisenbauer. No. 1,111,888; Sept. 29; Gaz. vol. 206; p. 1229.
- Vehicle safety signal-light. F. O. Bean. No. 1,120,589; Dec. 8; Gaz. vol. 209; p. 623.
- Vehicle safety-switch. W. MacGlashan. No. 1,094,798; Apr. 28; Gaz. vol. 201; p. 1047.
- Vehicle sanding device, Self-propelled-. M. H. Korn. No. 1,090,921; Mar. 24; Gaz. vol. 200; p. 892.
- Vehicle-seat. M. A. Gaugh. No. 1,107,778; Aug. 18; Gaz. vol. 205; p. 862.
- Vehicle-seat. J. R. Losee. No. 1,115,322; Oct. 27; Gaz. vol. 207; p. 1156.
- Vehicle-seat. G. F. Murphy. No. 1,105,822; Aug. 4; Gaz. vol. 205; p. 82.
- Vehicle-seat. W. Peterson. No. 1,114,801; Oct. 27; Gaz. vol. 207; p. 971.
- Vehicle-seat. S. A. Seal. No. 1,100,919; June 23; Gaz. vol. 203; p. 1010.
- Vehicle seat attachment. G. Jackson. No. 1,103,145; July 14; Gaz. vol. 204; p. 369.
- Vehicle seat construction. A. H. Adams. No. 1,090,112; Mar. 10; Gaz. vol. 200; p. 541.
- Vehicle, Self-lubricating wheeled. W. D. Stockly. No. 1,108,807; Aug. 25; Gaz. vol. 205; p. 1263.
- Vehicle, Self-propelled. H. Ewing. No. 1,089,121; Mar. 3; Gaz. vol. 200; p. 154.
- Vehicle, Self-propelled road-builder's. H. W. Bell. No. 1,116,788; Nov. 10; Gaz. vol. 208; p. 500.
- Vehicle service-indicator. J. F. Byrnes. No. 1,090,382; Mar. 17; Gaz. vol. 200; p. 677.
- Vehicle-shaft. T. J. Parry. No. 1,117,235; Nov. 17; Gaz. vol. 208; p. 695.
- Vehicle-shoe. A. Allan. No. 1,095,768; May 5; Gaz. vol. 202; p. 204.
- Vehicle-signal. J. B. Hawks and H. R. Kennedy. No. 1,090,302; Mar. 17; Gaz. vol. 200; p. 650.
- Vehicle-signal. J. B. Hawks and H. R. Kennedy. No. 1,118,416; Nov. 24; Gaz. vol. 208; p. 1149.
- Vehicle signal, Motor-. O. W. Cowgill. No. 1,106,134; Aug. 4; Gaz. vol. 205; p. 193.
- Vehicle signal, Motor-. L. I. Lovett. No. 1,122,776; Dec. 29; Gaz. vol. 209; p. 1506.
- Vehicle signal-sig. F. W. Ayres and R. A. Barnett. No. 1,102,564; July 7; Gaz. vol. 204; p. 120.
- Vehicle signaling apparatus. W. M. Voss. No. 1,121,424; Dec. 15; Gaz. vol. 209; p. 962.
- Vehicle speed control, Self-propelled-. W. J. Perkins. No. 1,083,701; Jan. 6; Gaz. vol. 198; p. 146.
- Vehicle speed indicator and controller. J. L. Wheeler. No. 1,122,181; Dec. 22; Gaz. vol. 209; p. 1261.
- Vehicle-spring. C. A. Boreham. (Reissue.) No. 13,711; Apr. 7; Gaz. vol. 201; p. 238.
- Vehicle-spring. C. A. Boreham. No. 1,108,424; Aug. 25; Gaz. vol. 205; p. 1131.
- Vehicle-spring. B. F. Bowman. No. 1,094,519; Apr. 28; Gaz. vol. 201; p. 947.
- Vehicle-spring. C. W. Crawford. No. 1,092,789; Apr. 7; Gaz. vol. 201; p. 228.
- Vehicle-spring. A. H. Fox. No. 1,105,971; Aug. 4; Gaz. vol. 205; p. 135.
- Vehicle-spring. R. Fuller. No. 1,105,192; July 28; Gaz. vol. 204; p. 1166.
- Vehicle-spring. C. C. Gamm and C. F. Nelson. No. 1,116,878; Nov. 10; Gaz. vol. 208; p. 531.
- Vehicle-spring. J. O. Gillfillan. No. 1,117,369; Nov. 17; Gaz. vol. 208; p. 743.
- Vehicle-spring. C. H. Goschke. No. 1,083,737; Jan. 6; Gaz. vol. 198; p. 159.
- Vehicle-spring. R. H. Hassler. No. 1,097,975; May 26; Gaz. vol. 202; p. 1090.
- Vehicle-spring. T. A. Hoover. No. 1,114,359; Oct. 20; Gaz. vol. 207; p. 763.
- Vehicle-spring. L. A. Huston. (Reissue.) No. 13,676; Jan. 13; Gaz. vol. 198; p. 476.
- Vehicle-spring. G. M. Huston. (Reissue.) No. 13,677; Jan. 20; Gaz. vol. 198; p. 672.
- Vehicle-spring. W. A. Johnson. No. 1,095,641; May 5; Gaz. vol. 202; p. 160.
- Vehicle-spring. C. L. Jordan. No. 1,084,090; Jan. 13; Gaz. vol. 198; p. 306.
- Vehicle-spring. W. S. Lee. No. 1,092,581; Apr. 7; Gaz. vol. 201; p. 158.
- Vehicle-spring. F. L. Martenette. No. 1,105,358; July 28; Gaz. vol. 204; p. 1228.
- Vehicle-spring. M. M. McIntyre. (Reissue.) No. 13,689; Feb. 17; Gaz. vol. 199; p. 907.
- Vehicle-spring. B. L. Rinehart. No. 1,094,814; Apr. 28; Gaz. vol. 201; p. 1053.
- Vehicle-spring. B. L. Rinehart. No. 1,094,815; Apr. 28; Gaz. vol. 201; p. 1053.
- Vehicle-spring. P. L. Rookledge and G. W. Gillespie. No. 1,110,826; Sept. 15; Gaz. vol. 206; p. 778.
- Vehicle-spring. W. Roper. No. 1,094,933; Apr. 28; Gaz. vol. 201; p. 1093.
- Vehicle-spring. M. A. Schuster. No. 1,087,512; Feb. 17; Gaz. vol. 199; p. 769.
- Vehicle-spring. J. S. Smith. No. 1,111,924; Sept. 29; Gaz. vol. 206; p. 1240.
- Vehicle-spring. M. J. Smith. No. 1,108,479; Aug. 25; Gaz. vol. 205; p. 1152.
- Vehicle-spring. G. W. Tibbits. No. 1,111,045; Sept. 22; Gaz. vol. 206; p. 898.
- Vehicle-spring. M. J. Todd. No. 1,098,598; June 2; Gaz. vol. 203; p. 84.
- Vehicle-spring. C. S. Van Syckel. No. 1,111,278; Sept. 22; Gaz. vol. 206; p. 979.
- Vehicle-spring. C. S. Van Syckel. No. 1,111,279; Sept. 22; Gaz. vol. 206; p. 979.
- Vehicle-spring. H. C. Waite. No. 1,111,421; Sept. 22; Gaz. vol. 206; p. 1027.
- Vehicle-spring. O. Waters. No. 1,105,010; July 28; Gaz. vol. 204; p. 1103.
- Vehicle-spring. E. T. Wells. No. 1,118,708; Nov. 24; Gaz. vol. 208; p. 1251.
- Vehicle spring and shock-absorber. O. A. Victel. No. 1,105,726; Aug. 4; Gaz. vol. 205; p. 50.
- Vehicle spring and shock-absorber, Combined. J. O. Parrish. No. 1,120,235; Dec. 8; Gaz. vol. 209; p. 497.
- Vehicle spring connection. N. E. Wahlberg. No. 1,099,677; June 9; Gaz. vol. 203; p. 492.
- Vehicle spring construction. H. S. Chapin. No. 1,094,701; Apr. 28; Gaz. vol. 201; p. 1014.
- Vehicle spring-controller. E. V. Hartford. No. 1,121,012; Dec. 15; Gaz. vol. 209; p. 819.
- Vehicle spring equipment. A. Decker. No. 1,088,330; Feb. 24; Gaz. vol. 199; p. 1098.
- Vehicle-spring, Pneumatic. J. Hofmann. No. 1,094,567; Apr. 28; Gaz. vol. 201; p. 964.
- Vehicle-spring, Pneumatic. W. K. Omick. No. 1,114,285; Oct. 20; Gaz. vol. 207; p. 739.
- Vehicle-spring, Pneumatic. R. M. G. Phillips. No. 1,109,146; Sept. 1; Gaz. vol. 206; p. 102.
- Vehicle spring suspension. E. Bugatti. No. 1,117,971; Nov. 24; Gaz. vol. 208; p. 992.
- Vehicle spring suspension. C. Drabek. No. 1,119,937; Dec. 8; Gaz. vol. 209; p. 392.
- Vehicle spring suspension. W. E. Eastman. No. 1,121,079; Dec. 15; Gaz. vol. 209; p. 843.
- Vehicle spring suspension. A. W. Torkington. No. 1,114,553; Oct. 20; Gaz. vol. 207; p. 834.
- Vehicle spring-wheel. J. F. and H. E. Sipe. No. 1,106,008; Aug. 4; Gaz. vol. 205; p. 147.
- Vehicle spring-wheel. J. F. and H. E. Sipe. No. 1,108,632; Aug. 25; Gaz. vol. 205; p. 1205.
- Vehicle spring-wheel. C. G. Smith. No. 1,105,932; Aug. 4; Gaz. vol. 205; p. 121.
- Vehicle starters, Automatic circuit-closer for motor-. H. A. Menzel. No. 1,086,682; Feb. 10; Gaz. vol. 199; p. 430.
- Vehicle starting and generating mechanism, Electric. J. A. Heany. No. 1,103,672; July 14; Gaz. vol. 204; p. 554.
- Vehicle starting device, Motor-. C. J. Menges. No. 1,093,641; Apr. 21; Gaz. vol. 201; p. 593.
- Vehicle starting mechanism, Motor-. R. Huff. No. 1,114,265; Oct. 20; Gaz. vol. 207; p. 732.
- Vehicle steering and driving mechanism, Motor-. E. S. Robinson. No. 1,092,744; Apr. 7; Gaz. vol. 201; p. 213.
- Vehicle steering apparatus. P. Hansmann. No. 1,106,806; Aug. 11; Gaz. vol. 205; p. 470.
- Vehicle steering device. T. S. Harris. No. 1,084,430; Jan. 13; Gaz. vol. 198; p. 418.
- Vehicle steering device. T. S. Harris. No. 1,119,014; Dec. 1; Gaz. vol. 209; p. 40.
- Vehicle steering device, Motor-. B. T. Steiner and H. B. White. No. 1,114,817; Oct. 27; Gaz. vol. 207; p. 977.
- Vehicle steering-gear. J. B. Bartholomew. No. 1,095,260; May 5; Gaz. vol. 202; p. 29.
- Vehicle steering-gear. A. Otter. No. 1,093,466; Apr. 14; Gaz. vol. 201; p. 493.
- Vehicle steering-gear. H. Schumacher. No. 1,106,589; Aug. 11; Gaz. vol. 205; p. 395.
- Vehicle steering-gear. H. Schumacher. No. 1,117,451; Nov. 17; Gaz. vol. 208; p. 771.
- Vehicle steering-gear connection, Motor-. U. A. Towle. No. 1,084,567; Jan. 13; Gaz. vol. 198; p. 463.
- Vehicle steering-gear, Motor-propelled-. P. R. Hawthorne. No. 1,101,542; June 30; Gaz. vol. 203; p. 1275.
- Vehicle steering-knuckle. J. E. Nelson. No. 1,098,830; June 2; Gaz. vol. 203; p. 160.

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- Vehicle steering mechanism. A. G. Bowen. No. 1,120,016; Dec. 8; Gaz. vol. 209; p. 420.
- Vehicle steering mechanism. J. E. Hanger, Jr. No. 1,083,399; Jan. 6; Gaz. vol. 198; p. 47.
- Vehicle steering mechanism, Motor-. C. L. Hays. No. 1,093,130; Apr. 14; Gaz. vol. 201; p. 380.
- Vehicle storm-front. G. W. Scott. No. 1,095,933; May 5; Gaz. vol. 202; p. 257.
- Vehicle storm-shield. G. S. MacLeod. No. 1,094,665; Apr. 28; Gaz. vol. 201; p. 1000.
- Vehicle-support. W. A. Lee. No. 1,101,640; June 30; Gaz. vol. 203; p. 1311.
- Vehicle suspension. T. A. Klenke. No. 1,119,021; Dec. 1; Gaz. vol. 209; p. 43.
- Vehicle suspension. B. Liebowitz. No. 1,105,805; Aug. 4; Gaz. vol. 205; p. 75.
- Vehicle suspension. S. Olsen. No. 1,114,284; Oct. 20; Gaz. vol. 207; p. 738.
- Vehicle suspension apparatus. F. Walton. No. 1,090,954; Mar. 24; Gaz. vol. 200; p. 904.
- Vehicle suspension, Motor-. C. W. Kelsey. No. 1,121,256; Dec. 15; Gaz. vol. 209; p. 905.
- Vehicle suspension, Shock-nullifying. A. V. Park, J. N. Caught, and H. House. No. 1,089,257; Mar. 3; Gaz. vol. 200; p. 199.
- Vehicle suspension-spring. E. Bugatti. No. 1,107,027; Aug. 11; Gaz. vol. 205; p. 545.
- Vehicle tail-light. E. E. Sweet. No. 1,097,737; May 26; Gaz. vol. 202; p. 1004.
- Vehicle-top. H. Cohen. No. 1,106,131; Aug. 4; Gaz. vol. 205; p. 192.
- Vehicle-top. W. P. Dorl. No. 1,121,553; Dec. 15; Gaz. vol. 209; p. 1006.
- Vehicle-top. L. C. Shipley. No. 1,118,591; Nov. 24; Gaz. vol. 208; p. 1211.
- Vehicle top-backstay. C. T. Cutlip. No. 1,119,247; Dec. 1; Gaz. vol. 209; p. 120.
- Vehicle top-bow holder. J. S. Smith, Jr. No. 1,120,418; Dec. 8; Gaz. vol. 209; p. 562.
- Vehicle top-bow-shortening device. J. Teppert. No. 1,112,171; Sept. 29; Gaz. vol. 206; p. 1323.
- Vehicle top construction. T. J. Black. No. 1,114,673; Oct. 20; Gaz. vol. 207; p. 873.
- Vehicle top folding bow. J. H. Bright. No. 1,101,903; June 30; Gaz. vol. 203; p. 1401.
- Vehicle top-frame. C. H. Craft. No. 1,086,515; Feb. 10; Gaz. vol. 199; p. 372.
- Vehicle-top holder, Folding-. H. D. Cox. No. 1,092,898; Apr. 14; Gaz. vol. 201; p. 301.
- Vehicle top-raiser. C. L. and Z. R. Green. No. 1,090,913; Mar. 24; Gaz. vol. 200; p. 889.
- Vehicle top-support. F. K. Lewis. No. 1,100,431; Sept. 1; Gaz. vol. 206; p. 204.
- Vehicle top support and holder. C. S. Applas. No. 1,097,159; May 19; Gaz. vol. 202; p. 759.
- Vehicle-tops, Side curtain for. J. E. La Dow. No. 1,098,451; June 2; Gaz. vol. 203; p. 33.
- Vehicle, Traction-. J. W. Bruce. No. 1,118,528; Nov. 24; Gaz. vol. 208; p. 1189.
- Vehicle, Traction-. W. E. Paine. No. 1,093,289; Apr. 14; Gaz. vol. 201; p. 436.
- Vehicle traction means. C. C. Kjus. No. 1,095,888; May 5; Gaz. vol. 202; p. 243.
- Vehicle-tractor. S. F. Douglass. No. 1,089,696; Mar. 10; Gaz. vol. 200; p. 398.
- Vehicle trailing device. D. C. Bryan. No. 1,087,210; Feb. 17; Gaz. vol. 199; p. 663.
- Vehicle transmission mechanism, Motor-. R. Huff. No. 1,122,120; Dec. 22; Gaz. vol. 209; p. 1240.
- Vehicle transmission mechanism, Motor-. J. P. Leggett. No. 1,117,582; Nov. 17; Gaz. vol. 208; p. 816.
- Vehicle, Transport-. C. S. Snell. No. 1,093,889; Apr. 21; Gaz. vol. 201; p. 676.
- Vehicle-washer. E. Muller. No. 1,090,640; Mar. 17; Gaz. vol. 200; p. 767.
- Vehicle-wheel. L. Anderson. No. 1,096,817; May 19; Gaz. vol. 202; p. 637.
- Vehicle-wheel. E. K. Baker. No. 1,123,065; Dec. 29; Gaz. vol. 209; p. 1608.
- Vehicle-wheel. I. Bird. No. 1,108,683; Aug. 25; Gaz. vol. 205; p. 1221.
- Vehicle-wheel. A. Brisbane. No. 1,119,237; Dec. 1; Gaz. vol. 209; p. 117.
- Vehicle-wheel. E. Bugatti. No. 1,105,179; July 28; Gaz. vol. 204; p. 1161.
- Vehicle-wheel. J. D. Campbell and A. J. Martin. No. 1,085,723; Feb. 3; Gaz. vol. 199; p. 51.
- Vehicle-wheel. E. Z. Crow. No. 1,088,326; Feb. 24; Gaz. vol. 199; p. 1097.
- Vehicle-wheel. A. L. De Leeuw. No. 1,104,479; July 21; Gaz. vol. 204; p. 870.
- Vehicle-wheel. T. Dyer. No. 1,091,124; Mar. 24; Gaz. vol. 200; p. 963.
- Vehicle-wheel. J. J. Fahrney. No. 1,087,224; Feb. 17; Gaz. vol. 199; p. 668.
- Vehicle-wheel. J. J. Fahrney. No. 1,087,225; Feb. 17; Gaz. vol. 199; p. 669.
- Vehicle-wheel. J. J. Fahrney. No. 1,087,226; Feb. 17; Gaz. vol. 199; p. 670.
- Vehicle-wheel. E. J. Fillingim. No. 1,111,145; Sept. 22; Gaz. vol. 206; p. 933.
- Vehicle-wheel. L. S. Flatau. No. 1,115,919; Nov. 3; Gaz. vol. 208; p. 154.
- Vehicle-wheel. L. S. Flatau. No. 1,115,920; Nov. 3; Gaz. vol. 208; p. 155.
- Vehicle-wheel. E. T. Forrester. No. 1,084,620; Jan. 20; Gaz. vol. 198; p. 509.
- Vehicle-wheel. G. F. Geb. No. 1,091,503; Mar. 31; Gaz. vol. 200; p. 1133.
- Vehicle-wheel. M. J. F. Genillon. No. 1,102,492; July 7; Gaz. vol. 204; p. 94.
- Vehicle-wheel. F. A. Guth. No. 1,115,667; Nov. 3; Gaz. vol. 208; p. 69.
- Vehicle-wheel. S. C. Hatfield. No. 1,087,903; Feb. 17; Gaz. vol. 199; p. 903.
- Vehicle-wheel. J. Heimlicher. No. 1,118,767; Nov. 24; Gaz. vol. 208; p. 1270.
- Vehicle-wheel. C. L. Heisler. No. 1,092,573; Apr. 7; Gaz. vol. 201; p. 155.
- Vehicle-wheel. C. L. Heisler. No. 1,113,213; Oct. 13; Gaz. vol. 207; p. 320.
- Vehicle-wheel. W. C. Hofen. No. 1,102,406; July 7; Gaz. vol. 204; p. 65.
- Vehicle-wheel. L. Hoskins. No. 1,115,199; Oct. 27; Gaz. vol. 207; p. 1115.
- Vehicle-wheel. T. F. E. Hutchings. No. 1,104,899; July 28; Gaz. vol. 204; p. 1066.
- Vehicle-wheel. E. Jones. No. 1,094,574; Apr. 28; Gaz. vol. 201; p. 966.
- Vehicle-wheel. A. W. Livingston. (Reissue.) No. 13,822; Nov. 3; Gaz. vol. 208; p. 305.
- Vehicle-wheel. A. W. Livingston. No. 1,122,515; Dec. 29; Gaz. vol. 209; p. 1413.
- Vehicle-wheel. A. J. Mansfield. No. 1,085,923; Feb. 3; Gaz. vol. 199; p. 122.
- Vehicle-wheel. J. A. May. No. 1,119,092; Dec. 1; Gaz. vol. 209; p. 67.
- Vehicle-wheel. F. H. Messinger. No. 1,103,308; July 14; Gaz. vol. 204; p. 425.
- Vehicle-wheel. J. F. Middleton. No. 1,088,356; Feb. 24; Gaz. vol. 199; p. 1106.
- Vehicle-wheel. T. Midgley. No. 1,086,330; Feb. 3; Gaz. vol. 199; p. 260.
- Vehicle-wheel. T. A. Miller. No. 1,117,138; Nov. 10; Gaz. vol. 208; p. 621.
- Vehicle-wheel. W. Minnick. No. 1,107,093; Aug. 11; Gaz. vol. 205; p. 568.
- Vehicle-wheel. A. Moon. No. 1,107,982; Aug. 18; Gaz. vol. 205; p. 930.
- Vehicle-wheel. E. W. Moon, Sr. No. 1,089,428; Mar. 10; Gaz. vol. 200; p. 304.
- Vehicle-wheel. J. Morat. No. 1,090,743; Mar. 17; Gaz. vol. 200; p. 799.
- Vehicle-wheel. D. Moriarty. No. 1,114,506; Oct. 20; Gaz. vol. 207; p. 818.
- Vehicle-wheel. T. B. Murray. No. 1,103,813; July 14; Gaz. vol. 204; p. 601.
- Vehicle-wheel. L. R. Nutting. No. 1,106,963; Aug. 11; Gaz. vol. 205; p. 526.
- Vehicle-wheel. A. Ortengren. No. 1,108,219; Aug. 25; Gaz. vol. 205; p. 1061.
- Vehicle-wheel. I. M. Pearson. No. 1,121,757; Dec. 22; Gaz. vol. 209; p. 1113.
- Vehicle-wheel. A. F. Priest. No. 1,086,786; Feb. 10; Gaz. vol. 199; p. 467.
- Vehicle-wheel. C. L. Redfield. No. 1,113,577; Oct. 13; Gaz. vol. 207; p. 450.
- Vehicle-wheel. C. W. Renz. No. 1,093,077; Apr. 14; Gaz. vol. 201; p. 362.
- Vehicle-wheel. C. L. Russell. No. 1,086,333; Feb. 3; Gaz. vol. 199; p. 261.
- Vehicle-wheel. A. Saunier. No. 1,084,299; Jan. 13; Gaz. vol. 198; p. 376.
- Vehicle-wheel. O. Schaller. No. 1,105,211; July 28; Gaz. vol. 204; p. 1173.
- Vehicle-wheel. E. C. Sendelbach. No. 1,095,678; May 5; Gaz. vol. 202; p. 173.
- Vehicle-wheel. W. T. Shea and F. Manley. No. 1,113,583; Oct. 13; Gaz. vol. 207; p. 452.
- Vehicle-wheel. C. R. Shumway. No. 1,114,923; Oct. 27; Gaz. vol. 207; p. 1016.
- Vehicle-wheel. R. Siegfried. No. 1,118,158; Nov. 24; Gaz. vol. 208; p. 1057.
- Vehicle-wheel. A. J. Swing. No. 1,089,511; Mar. 10; Gaz. vol. 200; p. 335.
- Vehicle-wheel. G. F. Tadini. No. 1,083,709; Jan. 6; Gaz. vol. 198; p. 149.
- Vehicle-wheel. D. T. Timberlake. No. 1,084,302; Jan. 13; Gaz. vol. 198; p. 377.
- Vehicle-wheel. H. E. Vobach. No. 1,119,129; Dec. 1; Gaz. vol. 209; p. 80.
- Vehicle-wheel. A. E. Wickman. No. 1,094,956; Apr. 28; Gaz. vol. 201; p. 1102.
- Vehicle-wheel. G. R. Williams. No. 1,085,513; Jan. 27; Gaz. vol. 198; p. 850.
- Vehicle-wheel. C. F. Womeldorf. No. 1,083,513; Jan. 6; Gaz. vol. 198; p. 84.
- Vehicle-wheel. A. R. Wylie and J. G. Wright. No. 1,083,976; Jan. 13; Gaz. vol. 198; p. 266.
- Vehicle wheel attachment. R. P. Beauchemin. No. 1,118,914; Dec. 1; Gaz. vol. 209; p. 3.

Alphabetical list of inventions—Continued.

- Vehicle wheel-carrying means. G. H. Barschow. No. 1,098,080; May 26; Gaz. vol. 202; p. 1126.
- Vehicle wheel, Motor-. S. A. Currin. No. 1,117,981; Nov. 24; Gaz. vol. 208; p. 997.
- Vehicle-wheel, Non-skid. J. Liska. No. 1,102,598; July 7; Gaz. vol. 204; p. 133.
- Vehicle wheel or runner. A. R. Moore. No. 1,101,316; June 23; Gaz. vol. 203; p. 1147.
- Vehicle-wheel, Puncture-proof. M. Drucker. No. 1,121,235; Dec. 15; Gaz. vol. 209; p. 897.
- Vehicle-wheel, Resilient. C. J. Malings. No. 1,084,648; Jan. 20; Gaz. vol. 198; p. 518.
- Vehicle-wheel, Resilient. P. H. Shailer. No. 1,083,864; Jan. 6; Gaz. vol. 198; p. 197.
- Vehicle-wheel, Resilient. C. H. Weber. No. 1,094,616; Apr. 28; Gaz. vol. 201; p. 931.
- Vehicle wheel, Road-. S. H. Cope. No. 1,088,540; Feb. 24; Gaz. vol. 199; p. 1166.
- Vehicle-wheel, Spring. J. J. Davis, Sr. No. 1,115,178; Oct. 27; Gaz. vol. 207; p. 1107.
- Vehicle-wheel, Spring. W. H. Fahrney. No. 1,098,028; May 26; Gaz. vol. 202; p. 1108.
- Vehicle-wheel, Spring. D. T. Timberlake. No. 1,084,303; Jan. 13; Gaz. vol. 198; p. 377.
- Vehicle wind-screen. G. G. Mooraj. No. 1,086,201; Feb. 3; Gaz. vol. 199; p. 219.
- Vehicle wind-shield. R. Mugnier. No. 1,097,603; May 19; Gaz. vol. 202; p. 911.
- Vehicle wind-shield. R. Netter. No. 1,097,459; May 19; Gaz. vol. 202; p. 862.
- Vehicles and the like, Spring suspension mechanism for. W. C. Fenton. No. 1,109,912; Sept. 8; Gaz. vol. 206; p. 415.
- Vehicles and velocipedes, Apparatus for facilitating the starting of. G. Birkner. No. 1,112,758; Oct. 6; Gaz. vol. 207; p. 124.
- Vehicles, Apparatus for preventing side slip of motor road-. E. J. Buckingham. No. 1,107,256; Aug. 18; Gaz. vol. 205; p. 675.
- Vehicles, Apparatus for prevention of dust on motor-. J. Widerkehr. No. 1,092,416; Apr. 7; Gaz. vol. 201; p. 101.
- Vehicles, Audible alarm for motor-. W. Sumner. No. 1,090,801; Mar. 17; Gaz. vol. 200; p. 819.
- Vehicles, Auxiliary pneumatic support for. P. Rayson. No. 1,111,675; Sept. 22; Gaz. vol. 206; p. 1115.
- Vehicles, Baggage-rack for motor-. A. Loomis. No. 1,115,698; Nov. 3; Gaz. vol. 208; p. 80.
- Vehicles, Battery-cradle-supporting mechanism for. F. E. Queeney. No. 1,112,321; Sept. 29; Gaz. vol. 206; p. 1375.
- Vehicles, Bolster mechanism for. P. J. Smith. No. 1,112,663; Oct. 6; Gaz. vol. 207; p. 90.
- Vehicles, Central buffing and draw gear for railway and like. A. Spencer. No. 1,113,916; Oct. 13; Gaz. vol. 207; p. 568.
- Vehicles, Chain-case for motor-. P. Evans. No. 1,118,848; Nov. 24; Gaz. vol. 208; p. 1297.
- Vehicles, Change-speed-gear mechanism for motor-. F. F. Stratton. No. 1,095,129; Apr. 28; Gaz. vol. 201; p. 1160.
- Vehicles, Chassis-frame for motor-. A. P. Brush. No. 1,120,900; Dec. 15; Gaz. vol. 209; p. 780.
- Vehicles, &c., Cleaning device for weather-screens of motor-. I. D. Ward and A. T. Metcalf. No. 1,117,286; Nov. 17; Gaz. vol. 208; p. 713.
- Vehicles, Clearer attachment for. A. Carreiro. No. 1,089,322; Mar. 3; Gaz. vol. 200; p. 220.
- Vehicles, Coin control for motor-. A. D. Grover and E. E. Barber. No. 1,086,044; Feb. 3; Gaz. vol. 199; p. 167.
- Vehicles, Combination tail-light, sign-plate, and holder therefor. E. E. Poole. No. 1,087,548; Feb. 17; Gaz. vol. 199; p. 782.
- Vehicles, Compound recoil-spring for. D. L. Potter. No. 1,110,230; Sept. 8; Gaz. vol. 206; p. 528.
- Vehicles, Controlling mechanism for electrical. F. G. Peck. No. 1,097,358; May 19; Gaz. vol. 202; p. 829.
- Vehicles, Cutting attachment for motor-. F. Halbach. No. 1,122,742; Dec. 29; Gaz. vol. 209; p. 1493.
- Vehicles, Dash set for motor-. G. R. Wadsworth. No. 1,100,999; June 23; Gaz. vol. 203; p. 1038.
- Vehicles, Draft-anchor for motor-. M. C. Huff. No. 1,088,344; Feb. 24; Gaz. vol. 199; p. 1103.
- Vehicles, Driving mechanism for electrically-propelled. J. Krohn. (Reissue.) No. 13,853; Dec. 29; Gaz. vol. 209; p. 1662.
- Vehicles, Emergency driving apparatus for motor-. W. Brown. No. 1,112,595; Oct. 6; Gaz. vol. 207; p. 66.
- Vehicles, Foot control mechanism for motor-. S. R. M. Orum. No. 1,114,024; Oct. 20; Gaz. vol. 207; p. 644.
- Vehicles, Footboard ventilation for motor-. G. R. Wadsworth. No. 1,094,501; Apr. 28; Gaz. vol. 201; p. 942.
- Vehicles, Framework of double-decked. L. Spangler. No. 1,108,634; Aug. 25; Gaz. vol. 205; p. 1206.
- Vehicles, Friction transmission-gearing for motor-. T. E. Lewis. No. 1,117,067; Nov. 10; Gaz. vol. 208; p. 596.
- Vehicles, Front-axle drive for motor-. E. R. Nichols. No. 1,095,916; May 5; Gaz. vol. 202; p. 252.
- Vehicles, Fuel-oil-delivery system for motor-. A. E. Walden. No. 1,111,335; Sept. 22; Gaz. vol. 206; p. 998.
- Vehicles, Gasolene-feed system for motor-. O. C. Ritz-Woller. No. 1,097,365; May 19; Gaz. vol. 202; p. 831.
- Vehicles, Glare-shield for. C. H. Brown, C. L. Swartout, and M. J. Fitzgerald. No. 1,097,295; May 19; Gaz. vol. 202; p. 807.
- Vehicles, Holdback attachment for tongued. T. D. Greer and L. H. Fossler. No. 1,086,291; Feb. 3; Gaz. vol. 199; p. 248.
- Vehicles, Hydraulic power-transmission system for wheeled. B. S. Williams. No. 1,100,004; June 16; Gaz. vol. 203; p. 641.
- Vehicles, Implement for stopping pneumatic-tired. C. Le Duc. No. 1,094,226; Apr. 21; Gaz. vol. 201; p. 789.
- Vehicles, Means for preventing overload on self-propelled. W. D. Osterhoudt. No. 1,122,797; Dec. 29; Gaz. vol. 209; p. 1514.
- Vehicles, Means for starting motor road-. F. R. Simms. No. 1,090,109; Mar. 10; Gaz. vol. 200; p. 540.
- Vehicles, Muffler-control lever for motor-. N. E. Wahlberg. No. 1,112,043; Sept. 29; Gaz. vol. 206; p. 1278.
- Vehicles, Number-display plate for. S. Gee. No. 1,090,294; Mar. 17; Gaz. vol. 200; p. 647.
- Vehicles, Pneumatic-cushion bolster for. J. M. Lewis. No. 1,108,768; Aug. 25; Gaz. vol. 205; p. 1250.
- Vehicles, Pneumatic device for the running-gears of. J. Caldwell. No. 1,120,275; Dec. 8; Gaz. vol. 209; p. 511.
- Vehicles, Pneumatic support and shock-absorber for. S. W. Scott. No. 1,089,974; Mar. 10; Gaz. vol. 200; p. 494.
- Vehicles, Pneumatic suspension device for shaft-driven motor-. T. A. Klenke. No. 1,119,020; Dec. 1; Gaz. vol. 209; p. 42.
- Vehicles, Push-button support for motor-. O. E. Hunt. No. 1,094,789; Apr. 28; Gaz. vol. 201; p. 1044.
- Vehicles, Rail-contact for. E. Jenoi and J. Stevenson. No. 1,106,387; Aug. 11; Gaz. vol. 205; p. 320.
- Vehicles, Safety device for self-propelled. M. A. Holzman. No. 1,094,901; Apr. 28; Gaz. vol. 201; p. 1082.
- Vehicles, Scotch-block for stopping runaway railway or tramway. A. H. Stockhausen and W. G. Brinkworth. No. 1,116,153; Nov. 3; Gaz. vol. 208; p. 235.
- Vehicles, Side and center bearing for. H. B. Nichols. No. 1,116,103; Nov. 3; Gaz. vol. 208; p. 219.
- Vehicles, Signaling apparatus for use with motor-driven. W. M. Rolph. No. 1,121,870; Dec. 22; Gaz. vol. 209; p. 1155.
- Vehicles, Stabilizing means for motor-. J. A. Blondin. No. 1,117,476; Nov. 17; Gaz. vol. 208; p. 780.
- Vehicles, Steering-wheel heater for road-. W. P. Barton. No. 1,117,473; Nov. 17; Gaz. vol. 208; p. 779.
- Vehicles, Storage and care of wheeled. R. A. Fessenden. No. 1,114,975; Oct. 27; Gaz. vol. 207; p. 1033.
- Vehicles, Support for projectors or lamps particularly for motor-. A. Van den Plas. No. 1,100,506; June 16; Gaz. vol. 203; p. 814.
- Vehicles, Throttle control for motor-. J. M. Cheney. No. 1,115,395; Oct. 27; Gaz. vol. 207; p. 1179.
- Vehicles, Train of wheeled. M. J. Todd. No. 1,083,777; Jan. 6; Gaz. vol. 198; p. 171.
- Vehicles, Transmission-controlling mechanism for motor-. A. Winton and H. B. Anderson. No. 1,095,056; Apr. 28; Gaz. vol. 201; p. 1136.
- Vehicles, Transmission-controlling mechanism for motor-. A. Winton and H. B. Anderson. No. 1,098,143; May 26; Gaz. vol. 202; p. 1146.
- Vehicles, Transmission mechanism for motor-. G. Guerra. No. 1,084,084; Jan. 13; Gaz. vol. 198; p. 304.
- Vehicles, Visual-signal device for. A. F. Copersito. No. 1,111,738; Sept. 29; Gaz. vol. 206; p. 1171.
- Vehicles, Weight-indicator for loaded. C. Shepherd. No. 1,088,463; Feb. 24; Gaz. vol. 199; p. 1142.
- Veil. J. P. Bennett. No. 1,097,514; May 19; Gaz. vol. 202; p. 881.
- Velling. C. S. Gaskill. No. 1,086,592; Feb. 10; Gaz. vol. 199; p. 400.
- Velocipede. J. S. Dean. No. 1,111,825; Sept. 29; Gaz. vol. 206; p. 1205.
- Velocipede. W. O'Day. No. 1,100,322; June 16; Gaz. vol. 203; p. 751.
- Velocipede. H. H. Robbins. No. 1,108,789; Aug. 25; Gaz. vol. 205; p. 1257.
- Velocipede and cart, Combination. F. B. Wells. No. 1,105,731; Aug. 4; Gaz. vol. 205; p. 51.
- Velocipede and the like wheels, Mounting. R. H. Lea and C. H. Ingall. No. 1,096,634; May 12; Gaz. vol. 202; p. 532.
- Velocipede, Collapsible. F. Gutmann. No. 1,106,939; Aug. 11; Gaz. vol. 205; p. 517.
- Velocipede, Hobby-horse. B. E. Lamkin. No. 1,090,550; Mar. 17; Gaz. vol. 200; p. 736.
- Velocipede, Marine. B. C. Mataban. No. 1,112,712; Oct. 6; Gaz. vol. 207; p. 107.
- Velocipede-operating means. L. Yugas. No. 1,092,197; Apr. 7; Gaz. vol. 201; p. 25.
- Velocipede, Railway-. F. Brady. No. 1,107,579; Aug. 18; Gaz. vol. 205; p. 790.
- Velocipedes and other vehicles, Seat for. W. T. Pursglove. No. 1,114,648; Oct. 20; Gaz. vol. 207; p. 865.
- Velocipedes, Electric-lighting apparatus for. A. Sanladerer. No. 1,111,864; Sept. 29; Gaz. vol. 206; p. 1220.

Alphabetical list of inventions—Continued.

- Velocity-indicators, Device for use in connection with. F. B. Sanborn. No. 1,099,206; June 9; Gaz. vol. 203; p. 329.
- Vending and change-making machine, Automatic. E. E. Henry. No. 1,084,011; Jan. 13; Gaz. vol. 198; p. 278.
- Vending apparatus. R. J. Bell. No. 1,123,071; Dec. 29; Gaz. vol. 209; p. 1610.
- Vending-box. C. F. Mowll. No. 1,120,218; Dec. 8; Gaz. vol. 209; p. 492.
- Vending device. F. S. Pollitt. No. 1,112,550; Oct. 6; Gaz. vol. 207; p. 49.
- Vending device, Coin-controlled. W. E. Gatling. No. 1,083,608; Jan. 6; Gaz. vol. 198; p. 116.
- Vending devices, Slot and slug for. H. Goetz. No. 1,111,793; Sept. 29; Gaz. vol. 206; p. 1194.
- Vending directory-cabinet, Coin-controlled use-. W. Harling. No. 1,095,855; May 5; Gaz. vol. 202; p. 232.
- Vending-machine. J. B. Adams. No. 1,092,125; Mar. 31; Gaz. vol. 200; p. 1346.
- Vending-machine. D. H. Beelman. No. 1,122,186; Dec. 22; Gaz. vol. 209; p. 1263.
- Vending-machine. W. M. Brayley. No. 1,096,150; May 12; Gaz. vol. 202; p. 368.
- Vending-machine. G. D. Bruggemann. No. 1,095,803; May 5; Gaz. vol. 202; p. 215.
- Vending-machine. B. E. Byrd. No. 1,099,017; June 2; Gaz. vol. 203; p. 222.
- Vending-machine. J. N. Cayo. No. 1,119,683; Dec. 1; Gaz. vol. 209; p. 269.
- Vending-machine. S. M. Coffman. No. 1,120,907; Dec. 15; Gaz. vol. 209; p. 783.
- Vending-machine. G. F. Conner. No. 1,089,906; Mar. 10; Gaz. vol. 200; p. 471.
- Vending-machine. H. D. Deshler. No. 1,107,270; Aug. 18; Gaz. vol. 205; p. 680.
- Vending-machine. F. P. Dunn. No. 1,107,660; Aug. 18; Gaz. vol. 205; p. 820.
- Vending-machine. A. F. Englerth. No. 1,088,267; Feb. 24; Gaz. vol. 199; p. 1077.
- Vending-machine. H. E. Erwin and H. M. Gorsline. No. 1,097,173; May 19; Gaz. vol. 202; p. 764.
- Vending-machine. C. E. Fanning. No. 1,087,748; Feb. 17; Gaz. vol. 199; p. 852.
- Vending-machine. P. and R. Fergusson. No. 1,115,421; Oct. 27; Gaz. vol. 207; p. 1189.
- Vending-machine. F. H. Ferris. No. 1,122,094; Dec. 22; Gaz. vol. 209; p. 1233.
- Vending-machine. J. A. Fox. No. 1,091,824; Mar. 31; Gaz. vol. 200; p. 1245.
- Vending-machine. C. F. Gates. No. 1,100,013; June 16; Gaz. vol. 203; p. 644.
- Vending-machine. S. C. Gilbert. No. 1,092,988; Apr. 14; Gaz. vol. 201; p. 331.
- Vending-machine. G. W. Gomber. No. 1,111,573; Sept. 22; Gaz. vol. 206; p. 1080.
- Vending-machine. H. L. Haight. No. 1,115,527; Nov. 3; Gaz. vol. 208; p. 20.
- Vending-machine. O. L. Hutto. No. 1,092,218; Apr. 7; Gaz. vol. 201; p. 33.
- Vending-machine. A. and A. Jaeger. No. 1,098,264; May 26; Gaz. vol. 202; p. 1188.
- Vending-machine. H. J. Keating. No. 1,083,365; Jan. 6; Gaz. vol. 198; p. 35.
- Vending-machine. H. J. Keenan. No. 1,091,066; Mar. 24; Gaz. vol. 200; p. 943.
- Vending-machine. L. V. Kuhn. No. 1,085,741; Feb. 3; Gaz. vol. 199; p. 58.
- Vending-machine. J. W. Mabin. No. 1,085,747; Feb. 3; Gaz. vol. 199; p. 60.
- Vending-machine. L. L. McLane. No. 1,105,679; Aug. 4; Gaz. vol. 205; p. 32.
- Vending-machine. C. A. Melchert. No. 1,098,582; June 2; Gaz. vol. 203; p. 79.
- Vending-machine. W. Millard. No. 1,109,134; Sept. 1; Gaz. vol. 206; p. 97.
- Vending-machine. R. H. Morgan. No. 1,089,250; Mar. 3; Gaz. vol. 200; p. 198.
- Vending-machine. R. T. Polk. No. 1,104,271; July 21; Gaz. vol. 204; p. 798.
- Vending-machine. R. H. Pollock. No. 1,098,399; June 2; Gaz. vol. 203; p. 14.
- Vending-machine. A. W. Roovers. No. 1,106,848; Aug. 11; Gaz. vol. 205; p. 485.
- Vending-machine. N. J. Shamroy. No. 1,105,708; Aug. 4; Gaz. vol. 205; p. 43.
- Vending-machine. W. C. Sharkey. No. 1,112,333; Sept. 29; Gaz. vol. 206; p. 1379.
- Vending-machine. J. J. Shipley. No. 1,115,599; Nov. 3; Gaz. vol. 208; p. 45.
- Vending-machine. E. F. Spaulding. No. 1,113,706; Oct. 13; Gaz. vol. 207; p. 494.
- Vending-machine. W. F. Sweet. No. 1,114,818; Oct. 27; Gaz. vol. 207; p. 978.
- Vending-machine. L. C. Tarasch. No. 1,103,919; July 14; Gaz. vol. 204; p. 636.
- Vending-machine. J. L. Taylor. No. 1,107,462; Aug. 18; Gaz. vol. 205; p. 749.
- Vending-machine. L. A. Vandiver. No. 1,099,409; June 9; Gaz. vol. 203; p. 400.
- Vending-machine. L. A. Vandiver. No. 1,113,919; Oct. 13; Gaz. vol. 207; p. 568.
- Vending-machine. P. Varia. No. 1,092,188; Apr. 7; Gaz. vol. 201; p. 22.
- Vending-machine. H. T. Werden and S. L. W. Coe. No. 1,084,242; Jan. 13; Gaz. vol. 198; p. 358.
- Vending-machine. T. Woods. No. 1,105,477; July 28; Gaz. vol. 204; p. 1269.
- Vending machine, Cigar-. C. L. Hughes. No. 1,120,500; Dec. 8; Gaz. vol. 209; p. 591.
- Vending-machine, Coin-controlled. W. O. Amsler. No. 1,083,515; Jan. 6; Gaz. vol. 198; p. 84.
- Vending-machine, Coin-controlled. G. G. Heghinian. No. 1,095,630; May 5; Gaz. vol. 202; p. 156.
- Vending machine, Coin-controlled. E. F. Spaulding. No. 1,113,705; Oct. 13; Gaz. vol. 207; p. 494.
- Vending-machine, Coin-operated. W. S. Glines. No. 1,108,164; Aug. 25; Gaz. vol. 205; p. 1042.
- Vending-machine, Coin-operated. F. Warren. No. 1,088,949; Mar. 3; Gaz. vol. 200; p. 96.
- Vending machine, Gasolene or oil. W. L. Cooper. No. 1,093,687; Apr. 21; Gaz. vol. 201; p. 610.
- Vending machine, Gum-. J. Coulson. No. 1,121,804; Dec. 22; Gaz. vol. 209; p. 1130.
- Vending machine, Popcorn-. G. A. Lightner. No. 1,090,729; Mar. 17; Gaz. vol. 200; p. 795.
- Vending machine, Stamp-. M. Helman. No. 1,093,409; Apr. 14; Gaz. vol. 201; p. 476.
- Vending-machine stock. H. Elsas. No. 1,116,399; Nov. 10; Gaz. vol. 208; p. 358.
- Vending-machines, Coin-control mechanism for. J. L. Taylor. No. 1,116,163; Nov. 3; Gaz. vol. 208; p. 239.
- Vending-machines, Coin-operated device for. S. L. W. Coe and H. T. Werden. No. 1,096,353; May 12; Gaz. vol. 202; p. 440.
- Veneer box, Collapsible. O. C. Fenlason. No. 1,084,140; Jan. 13; Gaz. vol. 198; p. 323.
- Veneer-drying machine. J. E. Marquis. No. 1,086,194; Feb. 3; Gaz. vol. 199; p. 217.
- Veneer lath. G. P. Crumbaugh. No. 1,107,907; Aug. 18; Gaz. vol. 205; p. 903.
- Veneer-press. O. Bergstrom. No. 1,116,976; Nov. 10; Gaz. vol. 208; p. 565.
- Veneer-trimming machine. C. Ehman. No. 1,086,355; Feb. 10; Gaz. vol. 199; p. 317.
- Veneering, Wood-. A. McIlwrath. No. 1,092,846; Apr. 14; Gaz. vol. 201; p. 284.
- Ventilating and air-cooling system. C. S. Thompson. No. 1,117,612; Nov. 17; Gaz. vol. 208; p. 826.
- Ventilating apparatus. J. C. Fleming. No. 1,101,489; June 23; Gaz. vol. 203; p. 1207.
- Ventilating apparatus. W. D. Scott. No. 1,090,239; Mar. 17; Gaz. vol. 200; p. 627.
- Ventilating device. C. A. and R. V. Miller. No. 1,105,816; July 28; Gaz. vol. 204; p. 1036.
- Ventilating device. M. E. Thompson. No. 1,114,938; Oct. 27; Gaz. vol. 207; p. 1022.
- Ventilating-exhaust, Combination vacuum. R. G. Ferguson. No. 1,087,228; Feb. 17; Gaz. vol. 199; p. 671.
- Ventilating means for railway and other vehicles. A. A. Mead. No. 1,098,329; May 26; Gaz. vol. 202; p. 1212.
- Ventilating mechanism. A. R. Ayers and B. A. Stowe. No. 1,115,479; Nov. 3; Gaz. vol. 208; p. 4.
- Ventilating system. J. Berg. No. 1,119,921; Dec. 8; Gaz. vol. 209; p. 387.
- Ventilator. *See* Adjustable ventilator; Automobile-ventilator; Awning-ventilator; Boat-ventilator; Car-ventilator; Fan-ventilator; Hat-ventilator; Locomotive-ventilator; Window-ventilator.
- Ventilator. C. H. Bicalky. No. 1,112,251; Sept. 29; Gaz. vol. 206; p. 1352.
- Ventilator. G. C. Breidert. No. 1,097,387; May 19; Gaz. vol. 202; p. 838.
- Ventilator. G. C. Breidert. No. 1,104,472; July 21; Gaz. vol. 204; p. 867.
- Ventilator. C. B. Brewer. No. 1,099,963; June 16; Gaz. vol. 203; p. 626.
- Ventilator. R. W. Burnett. No. 1,117,973; Nov. 24; Gaz. vol. 208; p. 993.
- Ventilator. P. S. Delany. No. 1,113,883; Oct. 13; Gaz. vol. 207; p. 557.
- Ventilator. C. W. Ecker. No. 1,100,234; June 16; Gaz. vol. 203; p. 720.
- Ventilator. K. Graef. No. 1,086,160; Feb. 3; Gaz. vol. 199; p. 207.
- Ventilator. H. C. Hames. No. 1,111,831; Sept. 29; Gaz. vol. 206; p. 1208.
- Ventilator. J. A. Hodel. No. 1,098,948; June 2; Gaz. vol. 203; p. 201.
- Ventilator. A. Joch. No. 1,109,927; Sept. 8; Gaz. vol. 206; p. 420.
- Ventilator. W. R. Johnson. No. 1,087,296; Feb. 17; Gaz. vol. 199; p. 693.
- Ventilator. J. W. Lenling. No. 1,101,641; June 30; Gaz. vol. 203; p. 1311.
- Ventilator. G. G. Loehler. No. 1,118,365; Nov. 24; Gaz. vol. 208; p. 1131.
- Ventilator. J. T. Mercier. No. 1,090,325; Mar. 17; Gaz. vol. 200; p. 656.
- Ventilator. R. M. Pancoast. No. 1,087,254; Feb. 17; Gaz. vol. 199; p. 680.
- Ventilator. I. Pomerantz. No. 1,116,625; Nov. 10; Gaz. vol. 208; p. 443.

Alphabetical list of inventions—Continued.

- Ventilator. R. E. Powell. No. 1,085,758; Feb. 3; Gaz. vol. 199; p. 65.
- Ventilator. J. C. Scott. No. 1,109,793; Sept. 8; Gaz. vol. 206; p. 370.
- Ventilator. H. L. Turner. No. 1,100,634; June 16; Gaz. vol. 203; p. 855.
- Ventilator. F. R. and C. J. Weber. No. 1,106,123; Aug. 4; Gaz. vol. 205; p. 189.
- Ventilator. W. F. Wegner. No. 1,121,542; Dec. 15; Gaz. vol. 209; p. 1002.
- Ventilator. S. H. Wheeler. No. 1,102,833; July 7; Gaz. vol. 204; p. 214.
- Ventilator and register. J. W. Lenling. No. 1,101,642; June 30; Gaz. vol. 203; p. 1311.
- Ventilator-controller, Automatic. W. H. Clandening. No. 1,093,314; Apr. 14; Gaz. vol. 201; p. 445.
- Ventilator for dining-car kitchens. E. Posson. No. 1,097,671; May 26; Gaz. vol. 202; p. 980.
- Ventilator opening and closing device. C. A. Blomeen. No. 1,114,675; Oct. 20; Gaz. vol. 207; p. 874.
- Ventilator-ring, Ball-bearing rotary. C. E. Meighan. No. 1,084,464; Jan. 13; Gaz. vol. 198; p. 428.
- Vermine-destruying apparatus. C. C. Andrews. No. 1,113,180; Oct. 13; Gaz. vol. 207; p. 307.
- Vertical drill. W. T. Sears. No. 1,096,516; May 12; Gaz. vol. 202; p. 493.
- Vertically-adjustable gate. J. B. Hoag. No. 1,114,613; Oct. 20; Gaz. vol. 207; p. 852.
- Vessel. A. and A. M. McDougall. No. 1,122,782; Dec. 29; Gaz. vol. 209; p. 1508.
- Vessel brake, Marine. E. E. Koltko. No. 1,107,968; Aug. 18; Gaz. vol. 205; p. 925.
- Vessel-closure. J. C. Eichhorn. No. 1,088,133; Feb. 24; Gaz. vol. 199; p. 1032.
- Vessel-closure. J. R. Fischer. No. 1,122,198; Dec. 22; Gaz. vol. 209; p. 1267.
- Vessel-closure. E. A. Towle. No. 1,093,501; Apr. 14; Gaz. vol. 201; p. 504.
- Vessel, Folding. B. I. Rike and J. R. Klin. No. 1,099,937; June 16; Gaz. vol. 203; p. 617.
- Vessel for freight or passengers. W. A. Ruppert. No. 1,089,674; Mar. 10; Gaz. vol. 200; p. 391.
- Vessel indicator, Submarine. G. P. Smith. No. 1,120,417; Dec. 8; Gaz. vol. 209; p. 561.
- Vessel, Insubmergible. J. Placot. No. 1,098,297; May 26; Gaz. vol. 202; p. 1201.
- Vessel-keels, Apparatus for determining the turn or inclination of. J. Jensen. No. 1,114,480; Oct. 20; Gaz. vol. 207; p. 810.
- Vessel, Lightering. A. Smith. No. 1,090,659; Mar. 17; Gaz. vol. 200; p. 774.
- Vessel, Metallic. D. P. Murphy. No. 1,099,662; June 9; Gaz. vol. 203; p. 487.
- Vessel, Sectional sea-going. C. R. Steiner. No. 1,084,975; Jan. 20; Gaz. vol. 198; p. 630.
- Vessel, Submarine. C. Laurenti. No. 1,120,392; Dec. 8; Gaz. vol. 209; p. 553.
- Vessel, Tank. C. P. M. Jack. No. 1,085,086; Jan. 20; Gaz. vol. 198; p. 668.
- Vessel, Unit-cargo. F. A. Ballin and E. H. Dodge. No. 1,107,741; Aug. 18; Gaz. vol. 205; p. 848.
- Vessels, Air-supply apparatus for submarine. P. Paritzky. No. 1,097,356; May 19; Gaz. vol. 202; p. 828.
- Vessels, Apparatus for raising sunken. G. Koesis. No. 1,097,335; May 19; Gaz. vol. 202; p. 821.
- Vessels, Boat-lowering apparatus for. W. Harbinger. No. 1,166,094; Aug. 4; Gaz. vol. 205; p. 179.
- Vessels, Buffer for. J. Králík. No. 1,086,184; Feb. 3; Gaz. vol. 199; p. 214.
- Vessels, Buffer for. B. Puskás and A. Tarian. No. 1,102,076; June 30; Gaz. vol. 203; p. 1464.
- Vessels, Buffer for. M. Reppa. No. 1,088,449; Feb. 24; Gaz. vol. 199; p. 1138.
- Vessels, Cleaning tubular and other. T. Rigby and N. Testrup. No. 1,106,161; Aug. 4; Gaz. vol. 205; p. 201.
- Vessels, Device for filling and emptying. J. Tomko. No. 1,118,971; Dec. 1; Gaz. vol. 209; p. 23.
- Vessels, Device for raising sunken. F. Hengye. No. 1,115,670; Nov. 3; Gaz. vol. 208; p. 70.
- Vessels, Device for raising sunken. J. S. Neumann. No. 1,116,835; Nov. 10; Gaz. vol. 208; p. 517.
- Vessels, Engine-log for. H. H. Cummings. No. 1,109,665; Sept. 8; Gaz. vol. 206; p. 325.
- Vessels, Fitting submarine signaling apparatus in. S. Lake. No. 1,083,448; Jan. 6; Gaz. vol. 198; p. 64.
- Vessels, Method and apparatus for floating and repairing stranded. H. B. Saunders. No. 1,089,967; Mar. 10; Gaz. vol. 200; p. 491.
- Vessels, Yieldable reinforcement for. J. Kralik. No. 1,110,798; Sept. 15; Gaz. vol. 206; p. 769.
- Vest. E. Gombor. No. 1,085,410; Jan. 27; Gaz. vol. 198; p. 817.
- Vest. I. Kessler. No. 1,088,285; Feb. 24; Gaz. vol. 199; p. 1084.
- Vestibule-diaphragms, Buffer-spring for. V. E. Sisson. No. 1,097,195; May 19; Gaz. vol. 202; p. 771.
- Veterinary appliance. E. Heflin and W. J. Roberts. No. 1,110,686; Sept. 15; Gaz. vol. 206; p. 730.
- Veterinary implement. G. W. Peterson. No. 1,092,593; Apr. 7; Gaz. vol. 201; p. 162.
- Veterinary instrument. S. B. Dunn. No. 1,085,804; Feb. 3; Gaz. vol. 199; p. 81.
- Veterinary instrument. Y. G. Mulder. No. 1,118,040; Nov. 24; Gaz. vol. 208; p. 1017.
- Veterinary mouth-speculum. A. Littauer. No. 1,089,653; Mar. 10; Gaz. vol. 200; p. 384.
- Veterinary operating-table. L. L. Conkey. No. 1,095,625; May 5; Gaz. vol. 202; p. 154.
- Veterinary-surgeon's tool. L. Wirsching. No. 1,093,675; Apr. 21; Gaz. vol. 201; p. 606.
- Viaduct construction, Masonry. R. E. Newton. No. 1,117,428; Nov. 17; Gaz. vol. 208; p. 763.
- Vibrating screen or separator. W. J. Bell. No. 1,114,097; Oct. 20; Gaz. vol. 207; p. 671.
- Vibration-eliminator. W. Reynolds. No. 1,088,035; Feb. 24; Gaz. vol. 199; p. 997.
- Vibrations of small amplitude, Apparatus for reproducing. A. Orling. No. 1,094,165; Apr. 21; Gaz. vol. 201; p. 769.
- Vibrator. E. L. Bisson. No. 1,096,092; May 12; Gaz. vol. 202; p. 348.
- Vibrator. L. L. Montgomery. No. 1,117,884; Nov. 17; Gaz. vol. 208; p. 923.
- Vibrator. E. P. Rudolph. No. 1,088,242; Feb. 24; Gaz. vol. 199; p. 1068.
- Vibrator. G. Vande. No. 1,093,301; Apr. 14; Gaz. vol. 201; p. 440.
- Vibrator, Electrically-operated. J. L. Dinsmoor. No. 1,098,893; June 2; Gaz. vol. 203; p. 182.
- Vibrator-lever and vibrator-connector. W. Wattle. No. 1,112,874; Oct. 6; Gaz. vol. 207; p. 162.
- Vibrator, Magnetic. F. V. Smith. No. 1,111,038; Sept. 22; Gaz. vol. 206; p. 895.
- Vibrator, Master. F. B. Johnson. No. 1,086,718; Feb. 10; Gaz. vol. 199; p. 443.
- View-changing device. W. C. Upp. No. 1,090,121; Mar. 10; Gaz. vol. 200; p. 545.
- View-finder. J. Linder. No. 1,114,895; Oct. 27; Gaz. vol. 207; p. 1005.
- Viewing objects, Device for. T. O. Peterson. No. 1,096,191; May 12; Gaz. vol. 202; p. 381.
- Vignetter. A. W. Dreyfoos. No. 1,118,640; Nov. 24; Gaz. vol. 208; p. 1228.
- Violin. J. Doyle. No. 1,096,812; May 12; Gaz. vol. 202; p. 593.
- Violin. J. R. Spear. No. 1,110,654; Sept. 15; Gaz. vol. 206; p. 719.
- Violin. O. O. Storle. No. 1,116,754; Nov. 10; Gaz. vol. 208; p. 487.
- Violin and making the same. H. Tietgen. No. 1,083,510; Jan. 6; Gaz. vol. 198; p. 83.
- Violin and other strings, Device for shipping. E. R. Schmidt. No. 1,106,413; Aug. 11; Gaz. vol. 205; p. 329.
- Violin-bridge. J. L. Gribble, Sr. No. 1,100,131; June 16; Gaz. vol. 203; p. 685.
- Violin chin-rest. C. J. Edlavitch. No. 1,094,984; Apr. 28; Gaz. vol. 201; p. 1112.
- Violin, Electric self-playing. H. K. Sandell. No. 1,085,943; Feb. 3; Gaz. vol. 199; p. 130.
- Violins or like string instruments, Finger-board for. C. E. C. J. Manby. No. 1,095,900; May 5; Gaz. vol. 202; p. 246.
- Violin-piano. E. Silen. No. 1,115,601; Nov. 3; Gaz. vol. 208; p. 45.
- Violin-rest. G. Locke. No. 1,087,066; Feb. 10; Gaz. vol. 199; p. 560.
- Violin, Self-playing. H. K. Sandell. No. 1,094,819; Apr. 28; Gav. vol. 201; p. 1055.
- Viscose, Treating. D. E. Reid. No. 1,117,604; Nov. 17; Gaz. vol. 208; p. 823.
- Vise. D. T. Bates. No. 1,121,891; Dec. 22; Gaz. vol. 209; p. 1162.
- Vise. J. Farmer. No. 1,096,026; May 12; Gaz. vol. 202; p. 326.
- Vise. T. J. Fegley and G. O. Leopold. No. 1,120,466; Dec. 8; Gaz. vol. 209; p. 580.
- Vise. F. J. Goodwin. No. 1,110,683; Sept. 15; Gaz. vol. 206; p. 729.
- Vise. F. F. McGuire. No. 1,117,137; Nov. 10; Gaz. vol. 208; p. 621.
- Vise. J. Schmutz. No. 1,084,489; Jan. 13; Gaz. vol. 198; p. 435.
- Vise. W. Shannon. No. 1,090,575; Mar. 17; Gaz. vol. 200; p. 745.
- Vise, Bench. J. G. Barke. No. 1,094,359; Apr. 21; Gaz. vol. 201; p. 830.
- Vise, Bench. J. R. Long. No. 1,113,663; Oct. 13; Gaz. vol. 207; p. 478.
- Vise, Bench. J. R. Long. No. 1,113,664; Oct. 13; Gaz. vol. 207; p. 479.
- Vise, Bench. J. W. Nestor. No. 1,121,531; Dec. 15; Gaz. vol. 209; p. 998.
- Vise, Bench. C. Pekat. No. 1,106,056; Aug. 4; Gaz. vol. 205; p. 164.
- Vise, Bench. H. H. Schmidt. No. 1,111,185; Sept. 22; Gaz. vol. 206; p. 948.
- Vise, Bench. F. A. Schulz. No. 1,096,395; May 12; Gaz. vol. 202; p. 451.
- Vise, Carpenter's bench. A. Baron. No. 1,121,603; Dec. 22; Gaz. vol. 209; p. 1060.

Alphabetical list of inventions—Continued.

- Vise, Chain pipe-. G. Amborn. No. 1,103,243; July 14; Gaz. vol. 204; p. 404.
- Vise, Chain pipe-. G. Amborn. No. 1,103,896; July 14; Gaz. vol. 204; p. 629.
- Vise, Foot-. E. B. Newnam. No. 1,093,461; Apr. 14; Gaz. vol. 201; p. 491.
- Vise for hacksaws, Adjustable. A. Hutton. No. 1,111,386; Sept. 22; Gaz. vol. 206; p. 1015.
- Vise for machines of the linotype class. T. S. Homans. No. 1,108,758; Aug. 25; Gaz. vol. 205; p. 1247.
- Vise, Hand-. C. E. Fish. No. 1,100,067; June 16; Gaz. vol. 203; p. 662.
- Vise holder, Pipe-. F. W. Griffin. No. 1,113,781; Oct. 13; Gaz. vol. 207; p. 521.
- Vise, Knockdown. A. L. De Leeuw. No. 1,120,649; Dec. 8; Gaz. vol. 209; p. 644.
- Vise, Lever-. C. Hakes. No. 1,092,145; Apr. 7; Gaz. vol. 201; p. 7.
- Vise, Machine-. J. R. Saylor. No. 1,089,273; Mar. 3; Gaz. vol. 200; p. 205.
- Vise, Pipe-. D. W. Reese. No. 1,108,519; Aug. 25; Gaz. vol. 205; p. 1166.
- Vise, Quick-acting pipe-. F. J. Callan. No. 1,112,192; Sept. 29; Gaz. vol. 206; p. 1329.
- Vise, Saw-. A. A. Page. No. 1,106,401; Aug. 11; Gaz. vol. 205; p. 325.
- Vise, Saw-. J. J. Shauls and B. J. Miller. No. 1,084,824; Jan. 20; Gaz. vol. 198; p. 580.
- Vise support, Pipe-. W. A. Pike. No. 1,111,032; Sept. 22; Gaz. vol. 206; p. 893.
- Vise, Swivel-. V. E. and P. H. D. Walker. No. 1,106,602; Aug. 11; Gaz. vol. 205; p. 400.
- Vise-upsetting attachment. G. E. Maxwell. No. 1,087,388; Feb. 17; Gaz. vol. 199; p. 726.
- Vises, Adjustment for bench-. C. E. Shields. No. 1,111,103; Sept. 22; Gaz. vol. 206; p. 918.
- Vitreous substance. F. Wolf-Burckhardt and W. Borchers. No. 1,086,113; Feb. 3; Gaz. vol. 199; p. 192.
- Volatilized matter, Separating and recovering. G. Mellen. No. 1,097,135; May 19; Gaz. vol. 202; p. 751.
- Voltage-regulating means. H. Nehlsen. No. 1,084,469; Jan. 13; Gaz. vol. 198; p. 429.
- Voltage-regulator. W. G. Kinton. No. 1,101,938; June 30; Gaz. vol. 203; p. 1414.
- Voltage-regulator. C. W. Stone. No. 1,091,716; Mar. 31; Gaz. vol. 200; p. 1206.
- Voltage-regulator. W. A. Turbayne. No. 1,104,849; July 28; Gaz. vol. 204; p. 1048.
- Voltage-regulator, Automatic. G. A. Burnham. No. 1,118,633; Nov. 24; Gaz. vol. 208; p. 1225.
- Voltage-regulator system, Automatic. G. A. Burnham. No. 1,118,632; Nov. 24; Gaz. vol. 208; p. 1225.
- Voltmeter, Contact-making. C. J. Hejda. No. 1,101,798; June 30; Gaz. vol. 203; p. 1364.
- Voltmeter, Portable recording-. W. E. Goodyear. No. 1,115,925; Nov. 3; Gaz. vol. 208; p. 156.
- Volume and pressure register for fluids. T. B. Wylie. No. 1,105,740; Aug. 4; Gaz. vol. 205; p. 54.
- Voting device, Irregular-. C. H. Ocumpaugh. No. 1,111,854; Sept. 29; Gaz. vol. 206; p. 1216.
- Voting-machine. C. C. Abbott. No. 1,105,598; Aug. 4; Gaz. vol. 205; p. 3.
- Voting-machine. W. R. Carroll. No. 1,098,660; June 2; Gaz. vol. 203; p. 104.
- Voting-machine. E. F. Chapman. No. 1,109,200; Sept. 1; Gaz. vol. 206; p. 122.
- Voting-machine. F. McClintock. No. 1,117,074; Nov. 10; Gaz. vol. 208; p. 599.
- Voting-machine. W. H. Dana. No. 1,108,491; Aug. 25; Gaz. vol. 205; p. 1157.
- Voting-machine. J. H. Dean. No. 1,084,073; Jan. 13; Gaz. vol. 198; p. 299.
- Voting-machine. J. H. Dean. No. 1,088,811; Mar. 3; Gaz. vol. 200; p. 46.
- Voting-machine. A. J. Gillespie. No. 1,088,816; Mar. 3; Gaz. vol. 200; p. 48.
- Voting-machine. A. L. Griffin. No. 1,109,124; Sept. 1; Gaz. vol. 206; p. 94.
- Voting-machine. J. M. Hayes. No. 1,098,796; June 2; Gaz. vol. 203; p. 148.
- Voting-machine. J. H. McElroy. No. 1,110,811; Sept. 15; Gaz. vol. 206; p. 773.
- Voting-machine. J. McTammany. No. 1,108,384; Aug. 25; Gaz. vol. 205; p. 1119.
- Voting-machine. S. R. Shoup. No. 1,084,585; Jan. 13; Gaz. vol. 198; p. 469.
- Voting-machine. L. R. Winslow. No. 1,095,689; May 5; Gaz. vol. 202; p. 176.
- Voting-machine. P. Yoe. No. 1,085,186; Jan. 27; Gaz. vol. 198; p. 739.
- Voting machine, Ballot-. F. Brown and A. Senez. No. 1,087,720; Feb. 17; Gaz. vol. 199; p. 844.
- Voting-machine interlock. J. M. Davis. No. 1,119,139; Dec. 1; Gaz. vol. 209; p. 84.
- Voting-machine interlocking mechanism. W. J. Lausterer. No. 1,084,092; Jan. 13; Gaz. vol. 198; p. 306.
- Voting-machine voting mechanism. C. C. Abbott. No. 1,105,597; Aug. 4; Gaz. vol. 205; p. 3.
- Voting-machines, Interlock between groups for. C. C. Abbott. No. 1,085,838; Feb. 3; Gaz. vol. 199; p. 92.
- Voting-machines, Office-vote-restricting mechanism for. S. Loe. No. 1,087,796; Feb. 17; Gaz. vol. 199; p. 867.
- Voting-machines, Paper-feed mechanism for. C. C. Abbott. No. 1,085,837; Feb. 3; Gaz. vol. 199; p. 92.
- Voting-machines, Paper-feed mechanism for. C. C. Abbott. No. 1,086,009; Feb. 3; Gaz. vol. 199; p. 154.
- Voting mechanism, Primary-. C. C. Abbott. No. 1,116,360; Nov. 10; Gaz. vol. 208; p. 345.
- Votive-offering stand. G. B. Bohne. No. 1,108,062; Aug. 18; Gaz. vol. 205; p. 959.
- Vulcanite, Manufacturing a substitute for. E. Knoll. No. 1,088,907; Mar. 3; Gaz. vol. 200; p. 80.
- Vulcanization. W. G. Hill. No. 1,090,535; Mar. 17; Gaz. vol. 200; p. 731.
- Vulcanizer. J. S. Benson. No. 1,099,112; June 2; Gaz. vol. 203; p. 252.
- Vulcanizer. M. W. Olson. No. 1,107,441; Aug. 18; Gaz. vol. 205; p. 742.
- Vulcanizer. O. Walter. No. 1,104,722; July 21; Gaz. vol. 204; p. 955.
- Vulcanizer. P. E. Welton. No. 1,121,214; Dec. 15; Gaz. vol. 209; p. 890.
- Vulcanizer-press. P. Beer. No. 1,122,465; Dec. 29; Gaz. vol. 209; p. 1396.
- Vulcanizing apparatus. J. T. Crowley. No. 1,122,695; Dec. 29; Gaz. vol. 209; p. 1479.
- Vulcanizing apparatus. J. C. Klahn. No. 1,087,589; Feb. 17; Gaz. vol. 199; p. 796.
- Vulcanizing-press. J. K. Williams. No. 1,100,934; June 23; Gaz. vol. 203; p. 1016.
- Wafer. W. B. Wait, Jr. No. 1,102,370; July 7; Gaz. vol. 204; p. 51.
- Wafer-capsules, Machine for cutting. W. Ohliger. No. 1,097,727; May 26; Gaz. vol. 202; p. 1000.
- Wage-paying machine or the like. A. Von Barth. No. 1,114,828; Oct. 27; Gaz. vol. 207; p. 981.
- Wagon. B. Bailey. No. 1,103,556; July 14; Gaz. vol. 204; p. 509.
- Wagon. E. C. F. Becker. No. 1,106,358; Aug. 11; Gaz. vol. 205; p. 311.
- Wagon. H. C. Fiege. No. 1,106,139; Aug. 4; Gaz. vol. 205; p. 194.
- Wagon. C. M. Haynes. No. 1,108,169; Aug. 25; Gaz. vol. 205; p. 1043.
- Wagon. H. Pezzetti. No. 1,084,358; Jan. 13; Gaz. vol. 198; p. 395.
- Wagon. D. T. Seale. No. 1,107,118; Aug. 11; Gaz. vol. 205; p. 575.
- Wagon. W. M. Thompson. No. 1,088,189; Feb. 24; Gaz. vol. 199; p. 1051.
- Wagon. M. J. Todd. No. 1,087,153; Feb. 17; Gaz. vol. 199; p. 642.
- Wagon, Ammunition-. K. Völler. No. 1,088,047; Feb. 24; Gaz. vol. 199; p. 1002.
- Wagon-bed attachment. J. H. Bell. No. 1,085,237; Jan. 27; Gaz. vol. 198; p. 757.
- Wagon-bed hoist. A. L. Cox. No. 1,120,793; Dec. 15; Gaz. vol. 209; p. 742.
- Wagon-beds, Scale attachment for supporting. C. E. Burnett. No. 1,113,931; Oct. 13; Gaz. vol. 207; p. 572.
- Wagon-body. J. P. Brownelee. No. 1,121,973; Dec. 22; Gaz. vol. 209; p. 1191.
- Wagon-body. E. Olson. No. 1,099,718; June 9; Gaz. vol. 203; p. 506.
- Wagon-body. C. G. Streich. No. 1,106,524; Aug. 11; Gaz. vol. 205; p. 371.
- Wagon-body. T. Wright. No. 1,099,004; June 2; Gaz. vol. 203; p. 219.
- Wagon-body, Collapsible. J. A. Brown. No. 1,123,087; Dec. 29; Gaz. vol. 209; p. 1616.
- Wagon-body support. A. C. McRae. No. 1,088,160; Feb. 24; Gaz. vol. 199; p. 1041.
- Wagon-box, Knockdown. F. J. Farrington. No. 1,089,196; Mar. 3; Gaz. vol. 200; p. 181.
- Wagon-box step. J. N. Hieronymus. No. 1,090,852; Mar. 24; Gaz. vol. 200; p. 868.
- Wagon-brake. A. J. Mathews. No. 1,122,405; Dec. 29; Gaz. vol. 209; p. 1376.
- Wagon-brake. G. M. Watt and J. E. Bryant. No. 1,108,533; Aug. 25; Gaz. vol. 205; p. 1171.
- Wagon-brake, Automatic. J. R. Harris and L. M. Jennings. No. 1,096,365; May 12; Gaz. vol. 202; p. 443.
- Wagon-brake, Automatic. C. O. Silver. No. 1,106,247; Aug. 4; Gaz. vol. 205; p. 229.
- Wagon-brakes, Adjustable rack for. J. P. Hise. No. 1,117,572; Nov. 17; Gaz. vol. 208; p. 813.
- Wagon construction. A. L. Cox. No. 1,118,531; Nov. 24; Gaz. vol. 208; p. 1190.
- Wagon-coupling. L. W. Gray and G. H. Knowles. No. 1,103,042; July 14; Gaz. vol. 204; p. 332.
- Wagon, Dump-. A. C. Baker. No. 1,102,852; July 7; Gaz. vol. 204; p. 220.
- Wagon, Dump-. J. J. Byron. No. 1,087,723; Feb. 17; Gaz. vol. 199; p. 844.
- Wagon, Dump-. D. Gerber. No. 1,104,111; July 21; Gaz. vol. 204; p. 743.
- Wagon, Dump-. H. Pezzetti. No. 1,106,675; Aug. 11; Gaz. vol. 205; p. 425.
- Wagon, Dump-. W. E. Sherwood. No. 1,123,026; Dec. 29; Gaz. vol. 209; p. 1595.

Alphabetical list of inventions—Continued.

- Wagon, Dump-. T. Wright. No. 1,086,633; Feb. 10; Gaz. vol. 199; p. 414.
- Wagon-dump, Cut-under. C. C. Crabb. No. 1,108,142; Aug. 25; Gaz. vol. 205; p. 1035.
- Wagon, Dumping-. J. P. Christensen. No. 1,113,409; Oct. 13; Gaz. vol. 207; p. 391.
- Wagon, Dumping-. J. F. Hughes. No. 1,122,394; Dec. 29; Gaz. vol. 209; p. 1373.
- Wagon, Dumping-. C. M. Manly. No. 1,110,450; Sept. 15; Gaz. vol. 206; p. 647.
- Wagon, Dumping-. J. Ochsner. No. 1,101,085; June 23; Gaz. vol. 203; p. 1069.
- Wagon, Dumping-. W. J. Romadka. No. 1,094,934; Apr. 28; Gaz. vol. 201; p. 1093.
- Wagon, Dumping-. J. Wenzel. No. 1,096,083; May 12; Gaz. vol. 202; p. 346.
- Wagon, Dumping-. R. M. White and E. T. Adams. No. 1,099,781; June 9; Gaz. vol. 203; p. 527.
- Wagon, Garbage-. A. J. Jones. No. 1,094,573; Apr. 28; Gaz. vol. 201; p. 966.
- Wagon, Garbage-. Z. M. Howell. No. 1,116,284; Nov. 3; Gaz. vol. 208; p. 278.
- Wagon, Garbage-. A. A. Newbert. No. 1,101,878; June 30; Gaz. vol. 203; p. 1392.
- Wagon end-gate. F. L. Morgan and L. Funk. No. 1,119,444; Dec. 1; Gaz. vol. 209; p. 187.
- Wagon-gear. D. T. Seale. No. 1,105,460; July 28; Gaz. vol. 204; p. 1263.
- Wagon-gear construction. J. L. Hecht. No. 1,098,439; June 2; Gaz. vol. 203; p. 29.
- Wagon-jack. P. A. Hunter. No. 1,083,614; Jan. 6; Gaz. vol. 198; p. 118.
- Wagon-jack. F. Miller. No. 1,105,091; July 28; Gaz. vol. 204; p. 1132.
- Wagon-loader. C. L. Samp. No. 1,109,789; Sept. 8; Gaz. vol. 206; p. 369.
- Wagon or analogous container, Dumping-. C. G. Streich. No. 1,106,523; Aug. 11; Gaz. vol. 205; p. 371.
- Wagon or car, Dump. W. H. Cooley. No. 1,099,341; June 9; Gaz. vol. 203; p. 377.
- Wagon, Power-loading. C. W. Mayer. No. 1,111,846; Sept. 29; Gaz. vol. 206; p. 1213.
- Wagon-rack. W. H. Lawrence. No. 1,099,555; June 9; Gaz. vol. 203; p. 451.
- Wagon-rack. E. H. Studebaker. No. 1,108,942; Sept. 1; Gaz. vol. 206; p. 30.
- Wagon-reach. S. A. Hall and C. E. King. No. 1,085,038; Jan. 20; Gaz. vol. 198; p. 652.
- Wagon-reach, Adjustable. C. P. Childress. No. 1,120,132; Dec. 8; Gaz. vol. 209; p. 460.
- Wagon-reach attachment. J. B. Cheout. No. 1,093,312; Apr. 14; Gaz. vol. 201; p. 444.
- Wagon, Refuse-. S. Gassler. No. 1,122,902; Dec. 29; Gaz. vol. 209; p. 1551.
- Wagon, Road-. A. Macdonald. No. 1,093,447; Apr. 14; Gaz. vol. 201; p. 487.
- Wagon-starter. G. Lawrence. No. 1,096,378; May 12; Gaz. vol. 202; p. 447.
- Wagon steering and propelling means. M. T. Supan. No. 1,116,644; Nov. 10; Gaz. vol. 208; p. 449.
- Wagon steering-gear. P. H. Hendrickson. No. 1,109,752; Sept. 8; Gaz. vol. 206; p. 357.
- Wagon, Tip-. E. Spencer. No. 1,100,627; June 16; Gaz. vol. 203; p. 854.
- Wagon, Tower-. E. R. Whitney. No. 1,096,656; May 12; Gaz. vol. 202; p. 540.
- Wagon, Tower-. W. V. Yandell. No. 1,091,419; Mar. 24; Gaz. vol. 200; p. 1059.
- Wagon-track. S. L. Casselman. No. 1,096,222; May 12; Gaz. vol. 202; p. 392.
- Wagon-train. W. Atkins. No. 1,122,241; Dec. 29; Gaz. vol. 209; p. 1323.
- Wagon-train coupling. C. C. Avery. No. 1,116,533; Nov. 10; Gaz. vol. 208; p. 406.
- Wagon, Traveling-. J. Patterson. No. 1,108,614; Aug. 25; Gaz. vol. 205; p. 1199.
- Wagons, Auxiliary driving device for transport-. A. Link and J. Kopf. No. 1,118,027; Nov. 24; Gaz. vol. 208; p. 1012.
- Wagons, Controlling attachment for dumping-. H. L. Phelps. No. 1,102,434; July 7; Gaz. vol. 204; p. 75.
- Wagons, Counterbalance for doors of dump-. H. D. Johnson, Jr. No. 1,094,793; Apr. 28; Gaz. vol. 201; p. 1045.
- Wagons, Delivery-nose for chute-. T. Wright. No. 1,086,632; Feb. 10; Gaz. vol. 199; p. 413.
- Wagons, Load-retaining device for logging-. T. Johnston. No. 1,089,767; Mar. 10; Gaz. vol. 200; p. 423.
- Wainscot-marker, Adjustable. I. A. Wilson. No. 1,096,776; May 12; Gaz. vol. 202; p. 579.
- Waist, Child's. C. M. Rochte. No. 1,115,577; Nov. 3; Gaz. vol. 208; p. 37.
- Waist, Ruffle-. G. B. Smith. No. 1,118,313; Nov. 24; Gaz. vol. 208; p. 1111.
- Waists, blouses, and corsets, Closing contrivance for ladies'. K. Bergner. No. 1,106,359; Aug. 11; Gaz. vol. 205; p. 311.
- Walk-cleaner. H. M. Bodine. No. 1,106,620; Aug. 11; Gaz. vol. 205; p. 407.
- Wall-anchor. I. B. Malaby. No. 1,111,660; Sept. 22; Gaz. vol. 206; p. 1110.
- Wall and lath construction for buildings. J. B. Johnson. No. 1,084,580; Jan. 13; Gaz. vol. 198; p. 468.
- Wall and partition structure for buildings. W. E. Harmon. No. 1,117,566; Nov. 17; Gaz. vol. 208; p. 811.
- Wall, Baffle-. T. G. Turner. No. 1,100,038; June 16; Gaz. vol. 203; p. 652.
- Wall-board. J. H. Thickers. No. 1,121,951; Dec. 22; Gaz. vol. 209; p. 1183.
- Wall-box. H. A. Stoddard. No. 1,112,426; Sept. 29; Gaz. vol. 206; p. 1413.
- Wall-bracket. R. E. Coon. No. 1,090,687; Mar. 17; Gaz. vol. 200; p. 782.
- Wall, Building-. A. M. Evans. No. 1,112,995; Oct. 6; Gaz. vol. 207; p. 202.
- Wall-closet. E. J. Hebert. No. 1,102,048; June 30; Gaz. vol. 203; p. 1454.
- Wall construction. T. J. Cahill. No. 1,100,531; June 16; Gaz. vol. 203; p. 822.
- Wall construction. J. E. Conzelman. No. 1,114,584; Oct. 20; Gaz. vol. 207; p. 843.
- Wall construction. H. G. Robbins. No. 1,106,584; Aug. 11; Gaz. vol. 205; p. 394.
- Wall construction, Bond for hollow-. C. B. Harp. No. 1,088,417; Feb. 24; Gaz. vol. 199; p. 1127.
- Wall construction for houses and other buildings. J. W. Moseley. No. 1,087,813; Feb. 17; Gaz. vol. 199; p. 874.
- Wall construction of concrete blocks, System of hollow-. B. J. D. Blackmore. No. 1,084,389; Jan. 13; Gaz. vol. 198; p. 404.
- Wall-covering, Plaster-support for. F. L. Kane. No. 1,103,362; July 14; Gaz. vol. 204; p. 443.
- Wall-coverings and similar purposes, Making plates for. E. Gersabeck. No. 1,107,286; Aug. 18; Gaz. vol. 205; p. 685.
- Wall-finishing composition. R. M. Craig. No. 1,104,782; July 28; Gaz. vol. 204; p. 1024.
- Wall-fixture. T. F. MacEvoy. No. 1,086,829; Feb. 10; Gaz. vol. 199; p. 482.
- Wall-fixture, Anchored. L. R. Zifferer. No. 1,106,909; Aug. 11; Gaz. vol. 205; p. 507.
- Wall, Flexible corrugated tubular metal. W. M. Fulton. No. 1,094,323; Apr. 21; Gaz. vol. 201; p. 819.
- Wall, Flexible tubular corrugated-metal. W. M. Fulton. No. 1,095,100; Apr. 28; Gaz. vol. 201; p. 1150.
- Wall, Flexible tubular corrugated-metal. W. M. Fulton. No. 1,096,296; May 12; Gaz. vol. 202; p. 419.
- Wall-heater. G. F. Reznor. No. 1,109,466; Sept. 1; Gaz. vol. 206; p. 215.
- Wall, Hollow-tile. P. H. Bevier. No. 1,112,757; Oct. 6; Gaz. vol. 207; p. 123.
- Wall-mold. C. H. Harris. No. 1,108,073; Aug. 18; Gaz. vol. 205; p. 962.
- Wall-mold. W. M. Venable. No. 1,103,109; July 14; Gaz. vol. 204; p. 356.
- Wall or ceiling plate. V. E. Flodin. No. 1,111,371; Sept. 22; Gaz. vol. 206; p. 1010.
- Wall-plug fitting. G. H. Foster. No. 1,117,654; Nov. 17; Gaz. vol. 208; p. 843.
- Wall, Reinforced block. J. S. Banks. (Reissue.) No. 1,3673; Jan. 13; Gaz. vol. 198; p. 474.
- Wall, Retaining-. J. N. Philbrook. No. 1,099,664; June 9; Gaz. vol. 203; p. 487.
- Wall, Safe or vault. C. Bartels. No. 1,094,415; Apr. 28; Gaz. vol. 201; p. 910.
- Wall-socket. J. Kennedy. No. 1,087,299; Feb. 17; Gaz. vol. 199; p. 695.
- Wall-socket. J. E. Ogden. No. 1,107,544; Aug. 18; Gaz. vol. 205; p. 777.
- Wall structure, Ventilated. L. K. Davis. No. 1,086,031; Feb. 3; Gaz. vol. 199; p. 162.
- Wall-tie. F. W. Gartrell. No. 1,114,251; Oct. 20; Gaz. vol. 207; p. 727.
- Wall-tie. R. L. Sanderson. No. 1,116,928; Nov. 10; Gaz. vol. 208; p. 548.
- Walls, Apparatus for forming curved. E. S. Bowker. No. 1,103,863; July 14; Gaz. vol. 204; p. 618.
- Walls, Backing for cement-coated. E. D. Coddington. No. 1,103,174; July 14; Gaz. vol. 204; p. 380.
- Walls, Form for monolithic. J. W. Muldoon. No. 1,109,934; Sept. 8; Gaz. vol. 206; p. 422.
- Walls, Means for staying sectional. F. M. Jacobs. No. 1,093,428; Apr. 14; Gaz. vol. 201; p. 481.
- Walls, Mold and core for constructing building. I. N. Gates. No. 1,116,352; Nov. 3; Gaz. vol. 208; p. 301.
- Walls, Plaster-support for. F. L. Kane. No. 1,121,017; Dec. 15; Gaz. vol. 209; p. 821.
- Walls, Supporting structure for plaster in. O. Rechnitz. No. 1,091,164; Mar. 24; Gaz. vol. 200; p. 978.
- Wallet. J. R. Cardwell. No. 1,088,059; Feb. 24; Gaz. vol. 199; p. 1006.
- Wallet. F. E. Housh. No. 1,091,138; Mar. 24; Gaz. vol. 200; p. 969.
- Wardrobe. C. J. Coleman. No. 1,087,278; Feb. 17; Gaz. vol. 199; p. 687.
- Wardrobe. C. J. Coleman. No. 1,097,844; May 26; Gaz. vol. 202; p. 1041.
- Wardrobe. A. E. Kinen. No. 1,085,436; Jan. 27; Gaz. vol. 198; p. 825.
- Wardrobe. J. A. Vaughan. No. 1,121,211; Dec. 15; Gaz. vol. 209; p. 889.

Alphabetical list of inventions—Continued.

- Wardrobe and bed-receptacle, Combined. R. H. Anderson. No. 1,110,031; Sept. 8; Gaz. vol. 206; p. 456.
- Wardrobe-fixture. J. Forester. No. 1,111,304; Sept. 22; Gaz. vol. 206; p. 987.
- Wardrobe, Portable. E. M. Pond. No. 1,111,233; Sept. 22; Gaz. vol. 206; p. 964.
- Wardrobe set. R. L. Muir. No. 1,117,593; Nov. 17; Gaz. vol. 208; p. 820.
- Ware-seasoner. J. C. Schaffer. No. 1,119,045; Dec. 1; Gaz. vol. 209; p. 53.
- Warmer. J. T. Roberts. No. 1,105,307; July 28; Gaz. vol. 204; p. 1207.
- Warming-closet. S. F. Swantees. No. 1,112,491; Oct. 6; Gaz. vol. 207; p. 27.
- Warming-pad, Electrically-heated. W. F. Hoffmann. No. 1,096,916; May 19; Gaz. vol. 202; p. 672.
- Warming system, Steam. G. Mennesson. No. 1,094,231; Apr. 21; Gaz. vol. 201; p. 791.
- Warning device. A. C. Lippincott. No. 1,093,058; Apr. 14; Gaz. vol. 201; p. 355.
- Warp of different-colored threads, Manufacture of. W. and E. Fleischer. No. 1,096,702; May 12; Gaz. vol. 202; p. 555.
- Warp stop-motion. J. C. Brooks. No. 1,122,850; Dec. 29; Gaz. vol. 209; p. 1533.
- Warp stop-motion. J. F. Dustin. No. 1,109,212; Sept. 1; Gaz. vol. 206; p. 126.
- Warp stop-motion, Electromechanical. G. J. Dustin. No. 1,112,365; Sept. 29; Gaz. vol. 206; p. 1390.
- Warp-tension-regulating mechanism. C. Moriggl. No. 1,104,377; July 21; Gaz. vol. 204; p. 835.
- Warp-thread-marking apparatus. C. D. Honiker. No. 1,084,435; Jan. 13; Gaz. vol. 198; p. 419.
- Warp-thread-piecing apparatus. M. Wenzel. No. 1,098,308; May 26; Gaz. vol. 202; p. 1204.
- Warp-thread-tension indicator for dressers. G. D. De Grandpre. No. 1,103,131; July 14; Gaz. vol. 204; p. 364.
- Warping and beaming machines, Beaming mechanism for. G. W. Kuenneth. No. 1,099,653; June 9; Gaz. vol. 203; p. 483.
- Warping-machine. E. E. Bradley. No. 1,114,337; Oct. 20; Gaz. vol. 207; p. 756.
- Washer. *See* Air-washer; Clothes-washer; Coal-washer; Gas-washer; Gas or smoke washer; Lock-washer; Milk-tank washer; Nut-locking washer; Photographic-print washer; Smoke-washer; Tufting-washer; Tumbler-washer; Vegetable-washer; Vehicle-washer.
- Washer and string attaching mechanism. A. Novick. No. 1,104,128; July 21; Gaz. vol. 204; p. 749.
- Washer, Tool for preparing work to receive a lock. T. Ganderton. No. 1,091,925; Mar. 31; Gaz. vol. 200; p. 1280.
- Washing and bleaching device, Electrolytic. E. Bess. No. 1,086,579; Feb. 10; Gaz. vol. 199; p. 396.
- Washing and clothes-drying machine, Combined. W. A. E. Henrici. No. 1,109,630; Sept. 1; Gaz. vol. 206; p. 272.
- Washing and collecting apparatus. R. H. Wright. No. 1,103,390; July 14; Gaz. vol. 204; p. 451.
- Washing and like machines, Operating mechanism for. G. N. Meves. No. 1,086,546; Feb. 10; Gaz. vol. 199; p. 382.
- Washing and like machines, Operating mechanism for. G. N. Meves. No. 1,086,547; Feb. 10; Gaz. vol. 199; p. 382.
- Washing and like machines, Operating mechanism for. G. N. Meves. No. 1,086,548; Feb. 10; Gaz. vol. 199; p. 383.
- Washing and scouring machine. J. S. Ainley. No. 1,122,227; Dec. 22; Gaz. vol. 209; p. 1277.
- Washing apparatus. H. E. Flack and J. Lechich. No. 1,097,410; May 19; Gaz. vol. 202; p. 846.
- Washing apparatus. E. A. Hawthorne. No. 1,087,944; Feb. 24; Gaz. vol. 199; p. 964.
- Washing appliance and bath-seat, Combination. H. O. Joy and A. R. Montferrand. No. 1,103,516; July 14; Gaz. vol. 204; p. 494.
- Washing-board. A. W. Saunders. No. 1,096,957; May 19; Gaz. vol. 202; p. 688.
- Washing-cylinder. W. Bartholomew. No. 1,108,671; Aug. 25; Gaz. vol. 205; p. 1218.
- Washing-cylinder, Knockdown renewable. W. Bartholomew. No. 1,105,174; July 28; Gaz. vol. 204; p. 1159.
- Washing device, Clothes-. E. C. Stuth. No. 1,087,150; Feb. 17; Gaz. vol. 199; p. 641.
- Washing device, Suction. F. A. Wolf. No. 1,115,047; Oct. 27; Gaz. vol. 207; p. 1060.
- Washing-machine. L. S. Ansell and C. Speer. No. 1,115,373; Oct. 27; Gaz. vol. 207; p. 1172.
- Washing-machine. J. B. Bair. No. 1,121,450; Dec. 15; Gaz. vol. 209; p. 971.
- Washing-machine. A. D. Baird and E. J. Favor. No. 1,121,451; Dec. 15; Gaz. vol. 209; p. 972.
- Washing-machine. L. Brandt. No. 1,115,892; Nov. 3; Gaz. vol. 208; p. 144.
- Washing-machine. I. D. Buck. No. 1,098,937; June 2; Gaz. vol. 203; p. 198.
- Washing-machine. H. Budd. No. 1,098,555; June 2; Gaz. vol. 203; p. 70.
- Washing-machine. H. Budd. No. 1,112,766; Oct. 6; Gaz. vol. 207; p. 126.
- Washing-machine. W. O. Bunker. No. 1,118,735; Nov. 24; Gaz. vol. 208; p. 1260.
- Washing-machine. R. E. Campbell. No. 1,107,653; Aug. 18; Gaz. vol. 205; p. 817.
- Washing-machine. N. N. Chase. No. 1,112,892; Oct. 6; Gaz. vol. 207; p. 167.
- Washing-machine. G. W. Chilen. No. 1,090,275; Mar. 17; Gaz. vol. 200; p. 639.
- Washing-machine. W. Coburn and C. W. Davis. No. 1,117,550; Nov. 17; Gaz. vol. 208; p. 805.
- Washing-machine. E. Crall. No. 1,092,140; Apr. 7; Gaz. vol. 201; p. 6.
- Washing-machine. R. Daniels. No. 1,085,406; Jan. 27; Gaz. vol. 198; p. 816.
- Washing-machine. R. W. Davis. No. 1,119,578; Dec. 1; Gaz. vol. 209; p. 235.
- Washing-machine. C. D. Dewey. No. 1,120,698; Dec. 15; Gaz. vol. 209; p. 709.
- Washing-machine. R. F. Downey. No. 1,102,395; July 7; Gaz. vol. 204; p. 60.
- Washing-machine. F. Dumas. No. 1,093,689; Apr. 21; Gaz. vol. 201; p. 611.
- Washing-machine. J. Eddy. No. 1,120,292; Dec. 8; Gaz. vol. 209; p. 517.
- Washing-machine. W. Erni. No. 1,116,684; Nov. 10; Gaz. vol. 208; p. 463.
- Washing-machine. F. Herle. No. 1,099,702; June 9; Gaz. vol. 203; p. 502.
- Washing-machine. G. H. Hess. No. 1,084,275; Jan. 13; Gaz. vol. 198; p. 368.
- Washing-machine. A. P. Holcomb. No. 1,100,240; June 16; Gaz. vol. 203; p. 722.
- Washing-machine. C. O. Holliday. No. 1,102,268; July 7; Gaz. vol. 204; p. 16.
- Washing-machine. C. E. Hoover. No. 1,099,370; June 9; Gaz. vol. 203; p. 388.
- Washing-machine. G. H. Huenergardt. No. 1,099,048; June 2; Gaz. vol. 203; p. 232.
- Washing-machine. G. H. Huenergardt. No. 1,113,995; Oct. 20; Gaz. vol. 207; p. 634.
- Washing-machine. L. Judelson. No. 1,090,214; Mar. 17; Gaz. vol. 200; p. 618.
- Washing-machine. W. E. Kemp. No. 1,097,445; May 19; Gaz. vol. 202; p. 858.
- Washing-machine. A. Keto. No. 1,104,904; July 28; Gaz. vol. 204; p. 1068.
- Washing-machine. J. V. Kranebiel. No. 1,102,987; July 7; Gaz. vol. 204; p. 264.
- Washing-machine. C. C. Lamb. No. 1,099,985; June 16; Gaz. vol. 203; p. 634.
- Washing-machine. A. T. Loftsgaarden. No. 1,084,946; Jan. 20; Gaz. vol. 198; p. 621.
- Washing-machine. C. H. Mattice. No. 1,122,969; Dec. 29; Gaz. vol. 209; p. 1574.
- Washing-machine. A. C. McWilliams. No. 1,121,275; Dec. 15; Gaz. vol. 209; p. 910.
- Washing-machine. E. J. Nelson. No. 1,090,406; Mar. 17; Gaz. vol. 200; p. 686.
- Washing-machine. E. A. Palmer. No. 1,097,664; May 26; Gaz. vol. 202; p. 978.
- Washing-machine. J. Pittings. No. 1,104,705; July 21; Gaz. vol. 204; p. 948.
- Washing-machine. G. Porrello. No. 1,120,532; Dec. 8; Gaz. vol. 209; p. 603.
- Washing-machine. S. R. Roberts. No. 1,105,699; Aug. 4; Gaz. vol. 205; p. 40.
- Washing-machine. A. Schultz. No. 1,111,238; Sept. 22; Gaz. vol. 206; p. 965.
- Washing-machine. J. H. and A. D. Shaw. No. 1,096,867; May 19; Gaz. vol. 202; p. 655.
- Washing-machine. R. Spielvogel. No. 1,094,489; Apr. 28; Gaz. vol. 201; p. 938.
- Washing-machine. M. Stonebridge. No. 1,101,667; June 30; Gaz. vol. 203; p. 1319.
- Washing-machine. D. C. Terry. No. 1,095,604; May 5; Gaz. vol. 202; p. 148.
- Washing-machine. J. M. Tweit and J. O. Wise. No. 1,104,581; July 21; Gaz. vol. 204; p. 908.
- Washing-machine. F. B. Voegeli. No. 1,117,112; Nov. 10; Gaz. vol. 208; p. 611.
- Washing-machine. P. Werner. No. 1,086,253; Feb. 3; Gaz. vol. 199; p. 237.
- Washing-machine. W. D. Whitney. No. 1,108,047; Aug. 18; Gaz. vol. 205; p. 954.
- Washing-machine. E. Yazel. No. 1,109,273; Sept. 1; Gaz. vol. 206; p. 148.
- Washing-machine. L. Young. No. 1,112,245; Sept. 29; Gaz. vol. 206; p. 1350.
- Washing-machine. W. J. Zuill. No. 1,086,635; Feb. 10; Gaz. vol. 199; p. 415.
- Washing-machine-actuating means. E. Buswell. No. 1,121,796; Dec. 22; Gaz. vol. 209; p. 1127.
- Washing-machine and gear. W. H. Voss. No. 1,108,531; Aug. 25; Gaz. vol. 205; p. 1170.
- Washing machine, Clothes-. M. Hedglon. No. 1,114,261; Oct. 20; Gaz. vol. 207; p. 730.
- Washing machine, Clothes-. H. O. Oellien. No. 1,122,993; Dec. 29; Gaz. vol. 209; p. 1583.

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- Washing-machine cylinder. D. M. Cooper. No. 1,096,780; May 12; Gaz. vol. 202; p. 581.
- Washing-machine dolly. J. D. A. Johnson. No. 1,104,263; July 21; Gaz. vol. 204; p. 795.
- Washing-machine gearing. W. H. Decker. No. 1,083,435; Jan. 6; Gaz. vol. 198; p. 60.
- Washing-machine gearing. G. W. Lewis. No. 1,119,438; Dec. 1; Gaz. vol. 209; p. 185.
- Washing-machine gearing. J. W. Reams. No. 1,104,830; July 28; Gaz. vol. 204; p. 1042.
- Washing-machine gearing. J. Rocke. No. 1,097,049; May 19; Gaz. vol. 202; p. 719.
- Washing-machine gearing. L. Thomas. No. 1,107,727; Aug. 18; Gaz. vol. 205; p. 843.
- Washing machine, Laundry-. J. W. Bercauw. No. 1,111,126; Sept. 22; Gaz. vol. 206; p. 926.
- Washing-machine mounting. W. E. Hartt. No. 1,087,232; Feb. 17; Gaz. vol. 199; p. 672.
- Washing-machine-operating device. H. C. Modlin. No. 1,106,827; Aug. 11; Gaz. vol. 205; p. 478.
- Washing-machine-operating mechanism. E. Buswell. No. 1,121,610; Dec. 22; Gaz. vol. 209; p. 1062.
- Washing-machine-operating mechanism. W. H. Wyman. No. 1,110,733; Sept. 15; Gaz. vol. 206; p. 747.
- Washing-machine, Steam. J. R. Dickerson. No. 1,089,334; Mar. 3; Gaz. vol. 200; p. 224.
- Washing-machine top. G. H. and W. H. Huenergardt. No. 1,099,049; June 2; Gaz. vol. 203; p. 232.
- Washing-machines and wringers, Gearing device for. G. W. Lewis. No. 1,116,087; Nov. 3; Gaz. vol. 208; p. 213.
- Washing-machines and wringers, Gearing device for. G. Seeds. No. 1,110,830; Sept. 15; Gaz. vol. 206; p. 780.
- Washing-machines, Dolly-shaft bearing for. G. W. Lewis. No. 1,113,452; Oct. 13; Gaz. vol. 207; p. 407.
- Washing-machines, Operating-gearing for. J. Edens. No. 1,093,982; Apr. 21; Gaz. vol. 201; p. 707.
- Washbasin. G. H. King. No. 1,120,823; Dec. 15; Gaz. vol. 209; p. 752.
- Washbasin, Barber's. G. Cornacchia. No. 1,113,198; Oct. 13; Gaz. vol. 207; p. 315.
- Washbasin drain-pipes, Attachment to. W. Telfer. No. 1,086,482; Feb. 10; Gaz. vol. 199; p. 361.
- Washbasin, Sanitary. F. W. Carlson. No. 1,089,320; Mar. 3; Gaz. vol. 200; p. 220.
- Washbench. M. C. Jackson. No. 1,121,506; Dec. 15; Gaz. vol. 209; p. 990.
- Washbench, Folding. A. F. Hanisch. No. 1,114,258; Oct. 20; Gaz. vol. 207; p. 730.
- Washboard. H. C. Bush. No. 1,105,124; July 28; Gaz. vol. 204; p. 1142.
- Washboard. L. Kalina. No. 1,107,168; Aug. 11; Gaz. vol. 205; p. 597.
- Washboard. R. G. Olp. No. 1,097,765; May 26; Gaz. vol. 202; p. 1013.
- Washboard attachment. E. E. Fryberg. No. 1,122,719; Dec. 29; Gaz. vol. 209; p. 1486.
- Washboiler. A. Gruenstern. No. 1,103,671; July 14; Gaz. vol. 204; p. 553.
- Washboiler. J. H. McCune. No. 1,099,072; June 2; Gaz. vol. 203; p. 239.
- Washboiler. R. Steffel. No. 1,120,167; Dec. 8; Gaz. vol. 209; p. 472.
- Washboiler and tray, Combined. P. C. Nielsen. No. 1,105,337; July 28; Gaz. vol. 204; p. 1219.
- Washboiler attachment. G. N. Beasley. No. 1,115,378; Oct. 27; Gaz. vol. 207; p. 1174.
- Washboiler drain attachment. F. A. E. Goodroad. No. 1,091,570; Mar. 31; Gaz. vol. 200; p. 1156.
- Washboilers, Clothes-draining attachment for. A. Sgarlata. No. 1,090,756; Mar. 17; Gaz. vol. 200; p. 802.
- Washbowl, Knockdown. H. H. Heckman. No. 1,121,597; Dec. 15; Gaz. vol. 209; p. 1023.
- Washbowl, Portable. A. J. Steel. No. 1,121,146; Dec. 15; Gaz. vol. 209; p. 868.
- Washcloth-holder. J. E. Austin. No. 1,117,757; Nov. 17; Gaz. vol. 208; p. 880.
- Washstand. G. H. Bryant. No. 1,105,960; Aug. 4; Gaz. vol. 205; p. 130.
- Washstand. F. G. Hill. No. 1,121,183; Dec. 15; Gaz. vol. 209; p. 880.
- Washstand. A. Lancaster. No. 1,093,274; Apr. 14; Gaz. vol. 201; p. 430.
- Washstand, Portable. J. Manhart. No. 1,120,153; Dec. 8; Gaz. vol. 209; p. 468.
- Washstand, Portable. F. W. Schmidt. No. 1,113,495; Oct. 13; Gaz. vol. 207; p. 423.
- Washtub. A. L. Blum. No. 1,099,735; June 9; Gaz. vol. 203; p. 511.
- Washtub. A. Hansen. No. 1,112,790; Oct. 6; Gaz. vol. 207; p. 133.
- Washtub and heater, Combined. C. R. Custis. No. 1,105,496; July 28; Gaz. vol. 204; p. 1275.
- Washtub and washboard, Combined. F. Hoffman. No. 1,119,696; Dec. 1; Gaz. vol. 209; p. 274.
- Washtub attachment. B. F. Dowd. No. 1,118,112; Nov. 24; Gaz. vol. 208; p. 1042.
- Washtub, Collapsible. A. Ward. No. 1,097,690; May 26; Gaz. vol. 202; p. 987.
- Washtub-cover. J. J. Bram. No. 1,101,521; June 30; Gaz. vol. 203; p. 1268.
- Washtub-cover. B. Rubispierre. No. 1,098,920; June 2; Gaz. vol. 203; p. 192.
- Washtub, Portable. E. M. J. Stubbs. No. 1,107,862; Aug. 18; Gaz. vol. 205; p. 890.
- Washtub-supporting leg. A. T. Lueckenbach. No. 1,093,060; Apr. 14; Gaz. vol. 201; p. 355.
- Washtubs and the like, False bottom for. R. F. Klopp. No. 1,116,711; Nov. 10; Gaz. vol. 208; p. 472.
- Waste and like breaking or carding machine. W. Rothe. No. 1,111,035; Sept. 22; Gaz. vol. 206; p. 894.
- Waste and overflow fitting. J. Shanks. No. 1,098,593; June 2; Gaz. vol. 203; p. 82.
- Waste and vent system. C. S. C. Rock. No. 1,086,938; Feb. 10; Gaz. vol. 199; p. 519.
- Waste-burner. J. Oberle. No. 1,116,473; Nov. 10; Gaz. vol. 208; p. 384.
- Waste-cleaning machine. G. W. Harnes. No. 1,105,512; July 28; Gaz. vol. 204; p. 1281.
- Waste-outlet. E. S. Duffy. No. 1,111,886; Sept. 29; Gaz. vol. 206; p. 1229.
- Waste-pipe, Plumbing. L. A. Cornelius. No. 1,096,225; May 12; Gaz. vol. 202; p. 393.
- Waste-receptacle. L. McDonald. No. 1,116,604; Nov. 10; Gaz. vol. 208; p. 434.
- Waste-utilizing means. J. L. Creveling. No. 1,118,269; Nov. 24; Gaz. vol. 208; p. 1095.
- Wasteway. R. M. Wall. No. 1,106,015; Aug. 4; Gaz. vol. 205; p. 150.
- Watch. A. Bannatyne. No. 1,087,525; Feb. 17; Gaz. vol. 199; p. 773.
- Watch. F. W. Kopp and W. Running. No. 1,117,196; Nov. 17; Gaz. vol. 208; p. 681.
- Watch, Alarm-. J. S. De Witt. No. 1,098,369; June 2; Gaz. vol. 203; p. 4.
- Watch case and movement lock. J. W. Rushton. No. 1,088,097; Feb. 24; Gaz. vol. 199; p. 1020.
- Watch-charm. J. J. Holten. No. 1,107,950; Aug. 18; Gaz. vol. 205; p. 918.
- Watch, clock, and the like. L. C. Collins. No. 1,099,117; June 2; Gaz. vol. 203; p. 254.
- Watch-crown, Interchangeable compass. E. E. Stockton. No. 1,098,851; June 2; Gaz. vol. 203; p. 168.
- Watch-dial fastener. E. Nelson. No. 1,091,009; Mar. 24; Gaz. vol. 200; p. 922.
- Watch-dials, Attachment for fastening. J. A. F. Wolf. No. 1,114,566; Oct. 20; Gaz. vol. 207; p. 838.
- Watch-display holder. M. C. Eppenstien. No. 1,102,212; June 30; Gaz. vol. 203; p. 1512.
- Watch-guard. W. E. Doolittle. No. 1,091,201; Mar. 24; Gaz. vol. 200; p. 990.
- Watch-guard. R. Jahn. No. 1,113,011; Oct. 6; Gaz. vol. 207; p. 208.
- Watch-holder. C. F. Elmore. No. 1,116,808; Nov. 10; Gaz. vol. 208; p. 507.
- Watch-holder. J. S. Murphey. No. 1,101,499; June 23; Gaz. vol. 203; p. 1211.
- Watch-holder for expansible bracelets, &c. C. J. Callahan. No. 1,087,870; Feb. 17; Gaz. vol. 199; p. 891.
- Watch-holder for personal wear. J. S. Murphey. No. 1,101,498; June 23; Gaz. vol. 203; p. 1211.
- Watch mechanism. W. F. Boast. No. 1,114,101; Oct. 20; Gaz. vol. 207; p. 672.
- Watch-movement. E. A. Lundvall. No. 1,084,215; Jan. 13; Gaz. vol. 198; p. 348.
- Watch-movements, Balance-shaft for. J. A. Meroz. No. 1,113,459; Oct. 13; Gaz. vol. 207; p. 409.
- Watch-movements, Pivot-bearing for. O. Ohlson. No. 1,109,141; Sept. 1; Gaz. vol. 206; p. 100.
- Watch or jewelry clip. C. R. Spillmann. No. 1,120,101; Dec. 8; Gaz. vol. 209; p. 448.
- Watch pendant and bow. A. W. Wadsworth. No. 1,093,017; Apr. 14; Gaz. vol. 201; p. 340.
- Watch, Pocket-. E. C. Fitch. No. 1,084,880; Jan. 20; Gaz. vol. 198; p. 599.
- Watch-regulator. F. McIntyre. No. 1,114,500; Oct. 20; Gaz. vol. 207; p. 817.
- Watch-spring safety attachment. K. S. Carlstrom. No. 1,091,561; Mar. 31; Gaz. vol. 200; p. 1153.
- Watch, Stem winding and setting. G. E. Hunter. No. 1,096,304; May 12; Gaz. vol. 202; p. 422.
- Watch, Stem-winding and stem-setting. W. E. Porter. No. 1,107,839; Aug. 18; Gaz. vol. 205; p. 882.
- Watch, Stop-. V. Nivois. No. 1,116,836; Nov. 10; Gaz. vol. 208; p. 517.
- Watch winding mechanism. F. L. French. No. 1,090,390; Mar. 17; Gaz. vol. 200; p. 680.
- Watch-wristlet. J. A. Archer. No. 1,100,281; June 16; Gaz. vol. 203; p. 737.
- Watches and other articles, Holder for. M. Schäfer. No. 1,098,843; June 2; Gaz. vol. 203; p. 165.
- Watches, Crown-guard for bracelet-. E. C. Fitch. No. 1,085,857; Feb. 3; Gaz. vol. 199; p. 99.
- Watches, Pendant construction for. H. W. Matalene. No. 1,122,780; Dec. 29; Gaz. vol. 209; p. 1507.
- Watches, Setting-stem for. O. Ohlson. No. 1,114,907; Oct. 27; Gaz. vol. 207; p. 1010.
- Watchcase bow and pendant. C. W. Butts. No. 1,084,253; Jan. 13; Gaz. vol. 198; p. 361.
- Watchcase-crown. L. F. Verberckmoes. No. 1,114,947; Oct. 27; Gaz. vol. 207; p. 1024.

Alphabetical list of inventions—Continued.

- Watchcase-receiver. H. B. Wier. No. 1,102,621; July 7; Gaz. vol. 204; p. 141.
- Watchcase-spring. G. F. Clow. No. 1,115,783; Nov. 3; Gaz. vol. 208; p. 106.
- Watchcases in order to suppress the shaking of the works, Tool for working the edges of. R. Leberthson. No. 1,117,408; Nov. 17; Gaz. vol. 208; p. 756.
- Watchmaker's gage. J. H. Martin. No. 1,101,945; June 30; Gaz. vol. 203; p. 1417.
- Watchmaker's loupe. H. H. Styll. No. 1,098,413; June 2; Gaz. vol. 203; p. 20.
- Watchmaker's tool. A. F. Robbins. No. 1,109,942; Sept. 8; Gaz. vol. 206; p. 425.
- Watchmaker's tool. J. W. Woodard. No. 1,110,173; Sept. 8; Gaz. vol. 206; p. 509.
- Water and wind engine. O. Rees. No. 1,096,057; May 12; Gaz. vol. 202; p. 337.
- Water, Apparatus for purifying waste. E. Mann and J. Heess. No. 1,095,409; May 5; Gaz. vol. 202; p. 80.
- Water, Apparatus for the electrical purification of. H. B. Hartman. No. 1,101,278; June 23; Gaz. vol. 203; p. 1133.
- Water-bag. F. W. Burch. No. 1,083,873; Jan. 6; Gaz. vol. 198; p. 200.
- Water-bags, Top for cloth or flexible. R. S. Gutshall. No. 1,099,796; June 9; Gaz. vol. 203; p. 532.
- Water, Clarifying and sterilizing. C. Massatsch. No. 1,107,199; Aug. 11; Gaz. vol. 205; p. 607.
- Water-closet. C. F. Cole. No. 1,090,200; Mar. 17; Gaz. vol. 200; p. 613.
- Water-closet. A. N. Crawford. No. 1,083,319; Jan. 6; Gaz. vol. 198; p. 21.
- Water-closet. J. A. Deignan and H. J. Pollacek. No. 1,119,812; Dec. 8; Gaz. vol. 209; p. 349.
- Water-closet. J. Engel. No. 1,117,353; Nov. 17; Gaz. vol. 208; p. 738.
- Water-closet. E. P. Gaylord. No. 1,095,203; May 5; Gaz. vol. 202; p. 10.
- Water-closet. W. R. Mitchell. No. 1,107,094; Aug. 11; Gaz. vol. 205; p. 568.
- Water-closet. T. F. Payne. No. 1,116,323; Nov. 3; Gaz. vol. 208; p. 291.
- Water-closet. W. A. Ratcliffe. No. 1,117,089; Nov. 10; Gaz. vol. 208; p. 605.
- Water-closet. J. C. Schumacher. No. 1,085,173; Jan. 27; Gaz. vol. 198; p. 734.
- Water-closet. J. W. Sharp, Jr. No. 1,110,831; Sept. 15; Gaz. vol. 206; p. 780.
- Water-closet. J. W. Sharp, Jr. No. 1,110,992; Sept. 15; Gaz. vol. 206; p. 835.
- Water-closet. J. H. Shortt. No. 1,108,799; Aug. 25; Gaz. vol. 205; p. 1260.
- Water-closet. J. M. Sweeney. No. 1,097,569; May 19; Gaz. vol. 202; p. 899.
- Water-closet. E. G. Watrous. No. 1,106,122; Aug. 4; Gaz. vol. 205; p. 189.
- Water-closet. F. Weinrich. No. 1,119,210; Dec. 1; Gaz. vol. 209; p. 108.
- Water-closet apparatus. W. U. Griffiths. No. 1,104,888; July 28; Gaz. vol. 204; p. 1062.
- Water-closet cistern. T. C. Williams. No. 1,092,317; Apr. 7; Gaz. vol. 201; p. 68.
- Water-closet, Railway. A. Berry. No. 1,113,186; Oct. 13; Gaz. vol. 207; p. 310.
- Water-closet, Sanitary. W. C. Rees. No. 1,092,392; Apr. 7; Gaz. vol. 201; p. 92.
- Water-closet, Sanitary. W. C. Rees and S. Etherington. No. 1,092,391; Apr. 7; Gaz. vol. 201; p. 91.
- Water-closet seat. F. W. Bamford. No. 1,093,373; Apr. 14; Gaz. vol. 201; p. 465.
- Water-closet seat. R. Roberge. No. 1,097,768; May 26; Gaz. vol. 202; p. 1015.
- Water-closet seat for infants. E. E. Cullen. No. 1,122,258; Dec. 29; Gaz. vol. 209; p. 1328.
- Water-closet seat, Sanitary. F. J. Graves. No. 1,097,015; May 19; Gaz. vol. 202; p. 706.
- Water-closet valve. G. P. Bowdren. No. 1,122,190; Dec. 22; Gaz. vol. 209; p. 1264.
- Water-closet valve. R. B. Grimm. No. 1,087,910; Feb. 17; Gaz. vol. 199; p. 905.
- Water-closet valve. P. Haas. No. 1,111,747; Sept. 29; Gaz. vol. 206; p. 1175.
- Water-closet-valve-operating mechanism. W. U. Griffiths. No. 1,104,887; July 28; Gaz. vol. 204; p. 1061.
- Water-closet, Ventilated. J. H. Douglas. No. 1,122,264; Dec. 29; Gaz. vol. 209; p. 1330.
- Water-closet, Ventilating. P. Haas. No. 1,111,746; Sept. 29; Gaz. vol. 206; p. 1174.
- Water-closets, Compound-lever ball-cock for. W. U. Griffiths. No. 1,112,533; Oct. 6; Gaz. vol. 207; p. 43.
- Water-column. A. Van Brunt. No. 1,097,274; May 19; Gaz. vol. 202; p. 800.
- Water connection. E. S. Stack. No. 1,109,946; Sept. 8; Gaz. vol. 206; p. 427.
- Water-cooler. W. J. Bohan. No. 1,099,911; June 16; Gaz. vol. 203; p. 609.
- Water-cooler. H. Stoffel. No. 1,096,572; May 12; Gaz. vol. 202; p. 512.
- Water-cooling device. R. O. Williams and H. B. Coen. No. 1,092,316; Apr. 7; Gaz. vol. 201; p. 68.
- Water-distribution system. L. W. Chubb. No. 1,108,550; Aug. 25; Gaz. vol. 205; p. 1177.
- Water elevating and impelling apparatus. A. V. Pfaumm. No. 1,099,859; June 9; Gaz. vol. 203; p. 553.
- Water-elevating apparatus. J. A. Staples. No. 1,090,244; Mar. 17; Gaz. vol. 200; p. 629.
- Water-elevating mechanism. E. Hodson. No. 1,085,257; Jan. 27; Gaz. vol. 198; p. 764.
- Water-elevator. W. S. Cook. No. 1,123,101; Dec. 29; Gaz. vol. 209; p. 1620.
- Water-elevator, Compressed-air. R. S. McIntyre. No. 1,093,871; Apr. 21; Gaz. vol. 201; p. 670.
- Water-elevator, Compressed-air. H. L. Riley. No. 1,121,402; Dec. 15; Gaz. vol. 209; p. 954.
- Water-elevator, Pneumatic. E. E. Thomas. No. 1,115,131; Oct. 27; Gaz. vol. 207; p. 1090.
- Water-feeding device. J. A. and C. W. Walkup. No. 1,101,363; June 23; Gaz. vol. 203; p. 1162.
- Water for irrigation purposes, Apparatus for delivering. A. S. Gibb. No. 1,085,860; Feb. 3; Gaz. vol. 199; p. 100.
- Water-fountain. W. H. Guthrie. No. 1,083,535; Jan. 6; Gaz. vol. 198; p. 92.
- Water from germs by means of bromin, Purifying. M. Riegel. No. 1,094,475; Apr. 28; Gaz. vol. 201; p. 933.
- Water-gage. N. T. Brix. No. 1,100,707; June 23; Gaz. vol. 203; p. 936.
- Water-gage. S. E. Caughey. No. 1,098,016; May 26; Gaz. vol. 202; p. 1104.
- Water-gage. M. W. Shipp. No. 1,121,411; Dec. 15; Gaz. vol. 209; p. 957.
- Water-gage. W. R. Van Buskirk and J. A. Cooper. No. 1,110,974; Sept. 15; Gaz. vol. 206; p. 830.
- Water-gage and check-valve. C. I. Williams. No. 1,096,481; May 12; Gaz. vol. 202; p. 481.
- Water-gage mountings, Safety-lock for. J. R. Gibson. No. 1,087,008; Feb. 10; Gaz. vol. 199; p. 541.
- Water-gage safety device. F. H. Babcock. No. 1,117,758; Nov. 17; Gaz. vol. 208; p. 881.
- Water-gage safety device. P. J. Connors. No. 1,101,255; June 23; Gaz. vol. 203; p. 1126.
- Water-gage safety device. P. J. Connors. No. 1,107,902; Aug. 18; Gaz. vol. 205; p. 902.
- Water-gage shield. J. W. Loney and T. C. Steger. No. 1,114,778; Oct. 27; Gaz. vol. 207; p. 964.
- Water, gas, and steam, Apparatus for transmitting and indicating fluctuating pressures of. M. Dexter. No. 1,100,867; June 23; Gaz. vol. 203; p. 991.
- Water-gate. C. E. Ferre. No. 1,092,343; Apr. 7; Gaz. vol. 201; p. 76.
- Water-gate, Balanced. C. D. Proffitt. No. 1,100,445; June 16; Gaz. vol. 203; p. 794.
- Water-glass. L. B. Howell. No. 1,118,346; Nov. 24; Gaz. vol. 208; p. 1124.
- Water-glass guard. G. W. Ames. No. 1,111,518; Sept. 22; Gaz. vol. 206; p. 1061.
- Water-heater. J. A. Almirall. No. 1,123,201; Dec. 29; Gaz. vol. 209; p. 1658.
- Water-heater. F. Antonuccio. No. 1,090,512; Mar. 17; Gaz. vol. 200; p. 724.
- Water-heater. P. A. Deasy. No. 1,101,485; June 23; Gaz. vol. 203; p. 1205.
- Water-heater. P. A. Deasy. No. 1,122,578; Dec. 29; Gaz. vol. 209; p. 1435.
- Water-heater. E. W. Evans. No. 1,112,529; Oct. 6; Gaz. vol. 207; p. 41.
- Water-heater. M. V. Fitzwater. No. 1,107,507; Aug. 18; Gaz. vol. 205; p. 765.
- Water-heater. T. George. No. 1,100,236; June 16; Gaz. vol. 203; p. 721.
- Water-heater. F. Girtanner. No. 1,110,484; Sept. 15; Gaz. vol. 206; p. 659.
- Water-heater. T. Gore. No. 1,115,306; Oct. 27; Gaz. vol. 207; p. 1151.
- Water-hammer, Device for preventing. R. D. Gould. No. 1,116,414; Nov. 10; Gaz. vol. 208; p. 363.
- Water handling and delivering apparatus. F. C. Farnsworth. No. 1,118,644; Nov. 24; Gaz. vol. 208; p. 1229.
- Water-heater. T. Griffin. No. 1,113,003; Oct. 6; Gaz. vol. 207; p. 205.
- Water-heater. J. W. Guilmont. No. 1,090,144; Mar. 17; Gaz. vol. 200; p. 593.
- Water-heater. A. H. Hard. No. 1,089,551; Mar. 10; Gaz. vol. 200; p. 349.
- Water-heater. G. H. Klumph and J. E. Houston. No. 1,107,313; Aug. 18; Gaz. vol. 205; p. 695.
- Water-heater. J. H. Lonskey and J. S. McCarthy. No. 1,100,662; June 16; Gaz. vol. 203; p. 865.
- Water-heater. L. D. Lovekin. No. 1,107,534; Aug. 18; Gaz. vol. 205; p. 773.
- Water-heater. J. McCloskey. No. 1,105,678; Aug. 4; Gaz. vol. 205; p. 31.
- Water-heater. B. E. Meacham. No. 1,101,872; June 30; Gaz. vol. 203; p. 1390.
- Water-heater. L. F. Mergott. No. 1,113,232; Oct. 13; Gaz. vol. 207; p. 328.
- Water-heater. J. B. Mowry. No. 1,108,607; Aug. 25; Gaz. vol. 205; p. 1196.
- Water-heater. J. Neilan. No. 1,115,006; Oct. 27; Gaz. vol. 207; p. 1045.

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- Water-heater. G. T. Newell, Jr. No. 1,103,614; July 14; Gaz. vol. 204; p. 532.
- Water-heater. C. L. Post. No. 1,107,548; Aug. 18; Gaz. vol. 205; p. 778.
- Water-heater. J. P. Reinecke. No. 1,116,738; Nov. 10; Gaz. vol. 208; p. 481.
- Water-heater. F. W. Robertshaw. No. 1,097,265; May 19; Gaz. vol. 202; p. 796.
- Water-heater. E. Roth. No. 1,084,562; Jan. 13; Gaz. vol. 198; p. 462.
- Water-heater. E. H. Ruckle and E. J. Kennedy. No. 1,122,423; Dec. 29; Gaz. vol. 209; p. 1381.
- Water-heater. J. T. Smith. No. 1,099,519; June 9; Gaz. vol. 203; p. 437.
- Water-heater. F. B. Stiker. No. 1,087,088; Feb. 10; Gaz. vol. 199; p. 567.
- Water-heater. S. B. Tebo. No. 1,101,354; June 23; Gaz. vol. 203; p. 1160.
- Water-heater. F. F. Turner. No. 1,087,266; Feb. 17; Gaz. vol. 199; p. 683.
- Water-heater. G. Zuber. No. 1,098,544; June 2; Gaz. vol. 203; p. 66.
- Water heater and purifier. D. Donohue. No. 1,091,565; Mar. 31; Gaz. vol. 200; p. 1154.
- Water-heater and steam-generator, Electric. A. P. Nichols. No. 1,087,887; Feb. 17; Gaz. vol. 199; p. 897.
- Water-heater, Automatic. B. E. Meacham. No. 1,103,800; July 14; Gaz. vol. 204; p. 596.
- Water-heater, Automatic. E. J. Powers. No. 1,116,915; Nov. 10; Gaz. vol. 208; p. 544.
- Water-heater construction. F. L. O. Wadsworth. No. 1,108,284; Aug. 25; Gaz. vol. 205; p. 1085.
- Water-heater construction. F. L. O. Wadsworth. No. 1,120,571; Dec. 8; Gaz. vol. 209; p. 616.
- Water-heater, Electric. J. Mann. No. 1,120,830; Dec. 15; Gaz. vol. 209; p. 755.
- Water-heater, Electric. H. G. Weeks. No. 1,116,339; Nov. 3; Gaz. vol. 208; p. 296.
- Water-heater, Electrical. R. R. Lockhart. No. 1,091,582; Mar. 31; Gaz. vol. 200; p. 1160.
- Water-heater, Electrical. R. R. Lockhart. No. 1,093,195; Apr. 14; Gaz. vol. 201; p. 403.
- Water-heater, Gas-heated. J. Shimmelfennig. No. 1,112,484; Oct. 6; Gaz. vol. 207; p. 24.
- Water-heater, Gas instantaneous. J. Shephard. No. 1,107,370; Aug. 18; Gaz. vol. 205; p. 715.
- Water-heater, Instantaneous. B. E. Meacham. No. 1,103,801; July 14; Gaz. vol. 204; p. 597.
- Water heater or boiler. J. W. Gallagher. No. 1,122,381; Dec. 29; Gaz. vol. 209; p. 1368.
- Water-heater, Portable. I. N. Hollingsworth. No. 1,097,629; May 26; Gaz. vol. 202; p. 965.
- Water-heater, Portable. G. W. Lake. No. 1,121,260; Dec. 15; Gaz. vol. 209; p. 906.
- Water-heater, Portable. C. Schütz. No. 1,085,945; Feb. 3; Gaz. vol. 199; p. 130.
- Water-heater, Sun-power. A. C. Thring. No. 1,093,498; Apr. 14; Gaz. vol. 201; p. 502.
- Water-heaters, Coil-supporting post for electrical. R. A. Bower. No. 1,097,291; May 19; Gaz. vol. 202; p. 806.
- Water-heaters, Faucet-bracket for electrical. R. A. Bower. No. 1,097,293; May 19; Gaz. vol. 202; p. 806.
- Water-heaters, Faucet-lever for electrical. R. A. Bower. No. 1,097,292; May 19; Gaz. vol. 202; p. 806.
- Water-heaters, Means for controlling automatic. R. Hoffman. No. 1,121,102; Dec. 15; Gaz. vol. 209; p. 852.
- Water-heaters, Sealing-plug for electrical. R. A. Bower. No. 1,103,171; July 14; Gaz. vol. 204; p. 378.
- Water-heaters, Water and gas controller for. E. T. Betker. No. 1,108,321; Aug. 25; Gaz. vol. 205; p. 1098.
- Water heating and measuring apparatus, Combination. A. B. Wallem. No. 1,117,535; Nov. 17; Gaz. vol. 208; p. 800.
- Water heating and measuring apparatus, Combined. G. H. Gibson. No. 1,096,621; May 12; Gaz. vol. 202; p. 528.
- Water, Heating and purifying or softening. C. Erith. No. 1,099,433; June 9; Gaz. vol. 203; p. 409.
- Water-heating apparatus. J. B. Beauvais. No. 1,098,082; May 26; Gaz. vol. 202; p. 1127.
- Water-heating apparatus. J. W. Gamble. No. 1,101,428; June 23; Gaz. vol. 203; p. 1184.
- Water-heating apparatus. G. H. Gibson. No. 1,119,819; Dec. 8; Gaz. vol. 209; p. 351.
- Water-heating apparatus, Safety attachment for. J. F. Cunningham. No. 1,089,624; Mar. 10; Gaz. vol. 200; p. 374.
- Water-heating apparatus, Water-chamber for. G. W. Lake. No. 1,115,076; Oct. 27; Gaz. vol. 207; p. 1071.
- Water-heating appliance. C. L. Holden. No. 1,098,902; June 2; Gaz. vol. 203; p. 185.
- Water-heating device. C. B. Elmer. No. 1,098,373; June 2; Gaz. vol. 203; p. 5.
- Water-heating device. J. Muchka. No. 1,091,378; Mar. 24; Gaz. vol. 200; p. 1046.
- Water-heating device, Stationary. H. Schmidt. No. 1,100,399; June 16; Gaz. vol. 203; p. 779.
- Water-heating system. J. Mundorff. No. 1,113,238; Oct. 13; Gaz. vol. 207; p. 330.
- Water-jet lifter. M. Henderson. No. 1,102,505; July 7; Gaz. vol. 204; p. 99.
- Water, land, and air machine. E. E. Gregory. No. 1,094,989; Apr. 28; Gaz. vol. 201; p. 1114.
- Water-level-demonstrating device. W. F. Buck. No. 1,087,350; Feb. 17; Gaz. vol. 199; p. 711.
- Water-level gage for pails. E. E. Angell. No. 1,089,522; Mar. 10; Gaz. vol. 200; p. 340.
- Water-level indicator. N. Podgoursky. No. 1,092,388; Apr. 7; Gaz. vol. 201; p. 90.
- Water-lifting device. L. G. Rose. No. 1,100,491; June 16; Gaz. vol. 203; p. 809.
- Water-main-cleaning machine. J. W. Nelson. No. 1,105,528; July 28; Gaz. vol. 204; p. 1286.
- Water, Means and device to control and regulate the flow of surface. K. J. Ensminger. No. 1,104,483; July 21; Gaz. vol. 204; p. 872.
- Water-meter. A. Blauvelt. No. 1,122,467; Dec. 29; Gaz. vol. 209; p. 1397.
- Water-meter. J. M. Burton. No. 1,091,481; Mar. 31; Gaz. vol. 200; p. 1125.
- Water-meter. J. M. Burton. No. 1,093,571; Apr. 14; Gaz. vol. 201; p. 524.
- Water-meter. J. M. Burton. No. 1,097,212; May 19; Gaz. vol. 202; p. 778.
- Water-meter. J. M. Burton. No. 1,116,008; Nov. 3; Gaz. vol. 208; p. 186.
- Water-meter. T. R. Butts. No. 1,113,600; Oct. 13; Gaz. vol. 207; p. 458.
- Water-meter. H. Chrisman. No. 1,094,058; Apr. 21; Gaz. vol. 201; p. 733.
- Water-meter. L. H. Nash. No. 1,103,612; July 14; Gaz. vol. 204; p. 531.
- Water-meter. G. W. Treichel. No. 1,105,224; July 28; Gaz. vol. 204; p. 1177.
- Water-meter. C. Urkewitz. No. 1,100,635; June 16; Gaz. vol. 203; p. 855.
- Water-meter. O. O. Wagley. No. 1,109,804; Sept. 8; Gaz. vol. 206; p. 374.
- Water-meter, Self-registering. F. W. Hanna. No. 1,103,410; July 14; Gaz. vol. 204; p. 458.
- Water-meter system. J. W. Calhoun. No. 1,103,655; July 14; Gaz. vol. 204; p. 548.
- Water-motor. W. S. Easton. No. 1,115,655; Nov. 3; Gaz. vol. 208; p. 65.
- Water-motor. G. Fischer. No. 1,083,999; Jan. 13; Gaz. vol. 198; p. 275.
- Water-motor. J. B. Rochelle. No. 1,085,703; Feb. 3; Gaz. vol. 199; p. 43.
- Water-motor. H. J. Shaffer. No. 1,087,190; Feb. 17; Gaz. vol. 199; p. 654.
- Water-motor. J. H. Sheahan. No. 1,111,722; Sept. 22; Gaz. vol. 206; p. 1132.
- Water-motor. A. W. Swanberg. No. 1,096,208; May 12; Gaz. vol. 202; p. 385.
- Water-motor. A. C. Wunsch. No. 1,083,975; Jan. 13; Gaz. vol. 198; p. 266.
- Water-motor, Reciprocating. J. B. Fletcher. No. 1,118,852; Nov. 24; Gaz. vol. 208; p. 1299.
- Water-motor, Rotary. C. C. Tuch. No. 1,100,632; June 16; Gaz. vol. 203; p. 855.
- Water or other liquids in a sprayed form over comparatively large areas, Apparatus for the discharge of. D. E. Pougnet. No. 1,102,354; July 7; Gaz. vol. 204; p. 46.
- Water-pipe system. C. D. Ryder. No. 1,119,882; Dec. 8; Gaz. vol. 209; p. 374.
- Water-power mechanism. J. S. Beaver. No. 1,084,308; Jan. 13; Gaz. vol. 198; p. 379.
- Water power or driven wheel. E. E. Paddock. No. 1,086,611; Feb. 10; Gaz. vol. 199; p. 406.
- Water-power wheel. A. H. Thoren. No. 1,103,706; July 14; Gaz. vol. 204; p. 565.
- Water-pressure in long underground tail-races, Means for regulating. R. D. Johnson. No. 1,087,169; Feb. 17; Gaz. vol. 199; p. 648.
- Water pressure reducing and circulating apparatus. T. B. Ford. No. 1,121,488; Dec. 15; Gaz. vol. 209; p. 984.
- Water, Process of and apparatus for treating. C. P. Landreth. No. 1,095,893; May 5; Gaz. vol. 202; p. 244.
- Water purification. C. Ellis. No. 1,121,994; Dec. 22; Gaz. vol. 209; p. 1199.
- Water purification. J. Patten. No. 1,121,393; Dec. 15; Gaz. vol. 209; p. 951.
- Water-purification apparatus. G. H. Gibson. No. 1,119,008; Dec. 1; Gaz. vol. 209; p. 37.
- Water-purification apparatus. J. Patten. No. 1,121,394; Dec. 15; Gaz. vol. 209; p. 951.
- Water purification, Apparatus for thermal. H. F. Hodges. No. 1,083,740; Jan. 6; Gaz. vol. 198; p. 160.
- Water purification, Apparatus for use in. F. M. Leavitt. No. 1,087,958; Feb. 24; Gaz. vol. 199; p. 970.
- Water, Purification of. F. M. Leavitt. No. 1,088,232; Feb. 24; Gaz. vol. 199; p. 1065.
- Water-purifier. W. J. McCray and B. A. Hatch. No. 1,099,459; June 9; Gaz. vol. 203; p. 417.
- Water-purifier. J. D. Ramsey. No. 1,084,030; Jan. 13; Gaz. vol. 198; p. 285.
- Water, Purifying. W. Drechsler. No. 1,088,063; Feb. 24; Gaz. vol. 199; p. 1007.
- Water-purifying apparatus. W. J. Clow. No. 1,122,688; Dec. 29; Gaz. vol. 209; p. 1477.

Alphabetical list of inventions—Continued.

- Water-purifying apparatus. J. W. Ripley. No. 1,123,011; Dec. 29; Gaz. vol. 209; p. 1589.
- Water, Removing oxygen from. R. Gans. No. 1,117,831; Nov. 17; Gaz. vol. 208; p. 906.
- Water-separating apparatus. G. A. Walsh and L. B. La Vigne. No. 1,097,779; May 26; Gaz. vol. 202; p. 1019.
- Water-softener. G. E. Bailey. No. 1,092,327; Apr. 7; Gaz. vol. 201; p. 71.
- Water, Softening. G. E. Bailey and B. A. Hatch. No. 1,108,544; Aug. 25; Gaz. vol. 205; p. 1175.
- Water, Softening. H. Ley. No. 1,109,849; Sept. 8; Gaz. vol. 206; p. 391.
- Water-softening means. H. J. Wheaton. No. 1,100,803; June 23; Gaz. vol. 203; p. 969.
- Water-sterilizing tank. S. Held. No. 1,085,578; Jan. 27; Gaz. vol. 198; p. 871.
- Water-supply apparatus, Automatic. A. T. Warren. No. 1,096,519; May 12; Gaz. vol. 202; p. 494.
- Water-supply apparatus for cattle. M. Norman. No. 1,100,250; June 16; Gaz. vol. 203; p. 726.
- Water-supply system. A. H. Kruesi. No. 1,085,272; Jan. 27; Gaz. vol. 198; p. 770.
- Water-supply systems, Device for preventing backflow in. W. E. Miller. No. 1,105,991; Aug. 4; Gaz. vol. 205; p. 141.
- Water system. G. M. Kremelberg. No. 1,094,152; Apr. 21; Gaz. vol. 201; p. 765.
- Water system. T. C. Wilkes and S. E. Phillips. No. 1,115,139; Oct. 27; Gaz. vol. 207; p. 1093.
- Water system and pump control. J. W. Butts. No. 1,097,529; May 19; Gaz. vol. 202; p. 886.
- Water-temperature-control system, Automatic. F. R. Gebhardt. No. 1,103,756; July 14; Gaz. vol. 204; p. 581.
- Water-tower, Portable. C. W. Fink. No. 1,090,783; Mar. 17; Gaz. vol. 200; p. 812.
- Water-treating apparatus. C. L. Kennicott. No. 1,114,146; Oct. 20; Gaz. vol. 207; p. 688.
- Water-trough. R. E. Morris. No. 1,084,452; Jan. 13; Gaz. vol. 198; p. 424.
- Water-tube boiler. R. Delauney-Belleville. No. 1,083,517; Jan. 6; Gaz. vol. 198; p. 85.
- Water-tube boiler. R. Delauney-Belleville. No. 1,109,627; Sept. 1; Gaz. vol. 206; p. 271.
- Water-tube boiler. W. D. Hoxie. No. 1,102,407; July 7; Gaz. vol. 204; p. 66.
- Water-tube boiler. D. S. Jacobus. No. 1,106,453; Aug. 11; Gaz. vol. 205; p. 345.
- Water-tube boiler. D. S. Jacobus. No. 1,117,391; Nov. 17; Gaz. vol. 208; p. 750.
- Water-tube boiler. A. W. Ofeldt. No. 1,104,379; July 21; Gaz. vol. 204; p. 836.
- Water-tube boiler. F. P. Palen and W. Burlingham. No. 1,118,676; Nov. 24; Gaz. vol. 208; p. 1240.
- Water-tube boiler. A. Ross. No. 1,114,650; Oct. 20; Gaz. vol. 207; p. 865.
- Water-tube boiler. M. W. Sewall, D. S. Jacobus, and G. E. Palmer. No. 1,094,754; Apr. 28; Gaz. vol. 201; p. 1032.
- Water-tube boiler. J. B. Van Oosterwyck. No. 1,099,136; June 2; Gaz. vol. 203; p. 260.
- Water-tube boiler. A. F. Yarrow. No. 1,101,606; June 30; Gaz. vol. 203; p. 1298.
- Water-tube boiler, Vertical. F. J. Doyle. No. 1,091,736; Mar. 31; Gaz. vol. 200; p. 1213.
- Water-wheel. T. Crisp. No. 1,104,167; July 21; Gaz. vol. 204; p. 763.
- Water-wheel. L. S. Flatau. No. 1,097,411; May 19; Gaz. vol. 202; p. 846.
- Water-wheel. M. Hughes. No. 1,113,440; Oct. 13; Gaz. vol. 207; p. 403.
- Water-wheel. J. H. Schneider. No. 1,105,846; Aug. 4; Gaz. vol. 205; p. 91.
- Water-wheel regulator. A. Dickerson. No. 1,095,174; Apr. 28; Gaz. vol. 201; p. 1178.
- Watering device. G. C. Eaton. No. 1,108,151; Aug. 25; Gaz. vol. 205; p. 1038.
- Watering device for poultry and animals. C. C. Driscoll. No. 1,113,206; Oct. 13; Gaz. vol. 207; p. 319.
- Watering device, Poultry. H. E. Hoyle. No. 1,114,264; Oct. 20; Gaz. vol. 207; p. 731.
- Watering fields, Apparatus for. W. von Szczepkowski and F. von Skrzydlewski. No. 1,098,853; June 2; Gaz. vol. 203; p. 168.
- Watering-fountain, Automatic. A. Smith. No. 1,094,755; Apr. 28; Gaz. vol. 201; p. 1033.
- Watering-trough. J. F. Bower. No. 1,112,971; Oct. 6; Gaz. vol. 207; p. 195.
- Watering-trough. A. E. Bright. No. 1,123,083; Dec. 29; Gaz. vol. 209; p. 1615.
- Watering-trough. I. T. Ingebritson. No. 1,117,389; Nov. 17; Gaz. vol. 208; p. 750.
- Watering-trough. A. M. Taylor. No. 1,116,858; Nov. 10; Gaz. vol. 208; p. 525.
- Watering-trough, Automatic. J. L. Parkins. No. 1,086,785; Feb. 10; Gaz. vol. 199; p. 467.
- Watering-trough, Automatic. S. H. Perry. No. 1,092,387; Apr. 7; Gaz. vol. 201; p. 90.
- Watering-trough, Cement. E. Engblom. No. 1,092,250; Apr. 7; Gaz. vol. 201; p. 43.
- Waterproof and grease-proof material for the manufacture of containers. H. L. G. Moore. No. 1,091,527; Mar. 31; Gaz. vol. 200; p. 1141.
- Waterproof case. W. W. Schenker. No. 1,117,915; Nov. 17; Gaz. vol. 208; p. 933.
- Waterproof lining, Removable. H. C. Holmes. No. 1,092,105; Mar. 31; Gaz. vol. 200; p. 1339.
- Waterproofed textile material and making same. R. A. Marr. No. 1,121,647; Dec. 22; Gaz. vol. 209; p. 1076.
- Waterproofing apparatus. T. F. Tyler. No. 1,092,761; Apr. 7; Gaz. vol. 201; p. 219.
- Waterproofing composition. F. Monforte. No. 1,118,791; Nov. 24; Gaz. vol. 208; p. 1278.
- Waterproofing compound. T. W. Smillie. No. 1,087,696; Feb. 17; Gaz. vol. 199; p. 835.
- Waterproofing compound, Set-adjusting cement. C. Ellis. No. 1,099,974; June 16; Gaz. vol. 203; p. 630.
- Waterproofing material. G. W. Snyder. No. 1,109,799; Sept. 8; Gaz. vol. 206; p. 372.
- Waterproofing porous surfaces, Composition of matter for. W. L. O'Kelly. No. 1,107,545; Aug. 18; Gaz. vol. 205; p. 777.
- Waterproofing textile material and product. R. A. Marr. No. 1,121,648; Dec. 22; Gaz. vol. 209; p. 1076.
- Waterways, Controlling device for. W. L. Hurst. No. 1,093,425; Apr. 14; Gaz. vol. 201; p. 480.
- Waterways, Device for preventing fish and drift from going down. A. J. Allison. No. 1,109,385; Sept. 1; Gaz. vol. 206; p. 189.
- Waterways, Lock construction for. G. Guttentbrunner. No. 1,107,933; Aug. 18; Gaz. vol. 205; p. 912.
- Wave and tide motor. J. R. Abbott. No. 1,098,208; May 26; Gaz. vol. 202; p. 1168.
- Wave-detector. R. T. Ackley. No. 1,112,411; Sept. 29; Gaz. vol. 206; p. 1408.
- Wave-motor. E. Anderson. No. 1,102,121; June 30; Gaz. vol. 203; p. 1480.
- Wave-motor. R. A. Bemis. No. 1,097,073; May 19; Gaz. vol. 202; p. 729.
- Wave-motor. D. K. Bryson. No. 1,111,003; Sept. 22; Gaz. vol. 206; p. 883.
- Wave-motor. A. S. Close. No. 1,090,277; Mar. 17; Gaz. vol. 200; p. 640.
- Wave-motor. E. C. Kersey. No. 1,111,656; Sept. 22; Gaz. vol. 206; p. 1109.
- Wave-motor. J. R. Mendenhall. No. 1,098,517; June 2; Gaz. vol. 203; p. 56.
- Wave-motor. H. P. Molander. No. 1,098,518; June 2; Gaz. vol. 203; p. 57.
- Wave-motor. F. D. Prouty. No. 1,090,751; Mar. 17; Gaz. vol. 200; p. 801.
- Wave-motor. M. R. Warden. No. 1,096,332; May 12; Gaz. vol. 202; p. 433.
- Wave-motor. G. W. Winslow. No. 1,123,054; Dec. 29; Gaz. vol. 209; p. 1605.
- Wax and honey of honeycomb, Apparatus for separating. F. R. Beuhne. (Reissue.) No. 13,674; Jan. 13; Gaz. vol. 198; p. 475.
- Wax-applying device, Sealing. B. Bryan. No. 1,109,034; Sept. 1; Gaz. vol. 206; p. 64.
- Wax, Bleaching bees. G. F. Jehlicka. No. 1,106,221; Aug. 4; Gaz. vol. 205; p. 221.
- Wax from other hydrocarbons, Producing. W. M. Burton. No. 1,112,113; Sept. 29; Gaz. vol. 206; p. 1302.
- Wax, Refining and decolorizing mineral. E. C. W. A. von Boyen. No. 1,092,629; Apr. 7; Gaz. vol. 201; p. 175.
- Waxing device. A. B. Rapine. No. 1,098,302; May 26; Gaz. vol. 202; p. 1203.
- Waxing-machine. H. A. Ballard. No. 1,112,404; Sept. 29; Gaz. vol. 206; p. 1405.
- Way-bill. J. L. Tate. No. 1,095,435; May 5; Gaz. vol. 202; p. 89.
- Way-bill carriage. C. A. McMurray. No. 1,119,440; Dec. 1; Gaz. vol. 209; p. 186.
- Way-billing means. J. A. Murphey. No. 1,086,203; Feb. 3; Gaz. vol. 199; p. 220.
- Way-signal or direction-indicator device. T. A. Miele. No. 1,112,825; Oct. 6; Gaz. vol. 207; p. 145.
- Weaner, Calif. L. R. Dehler. No. 1,103,743; July 14; Gaz. vol. 204; p. 577.
- Weapon. C. R. Keeran. No. 1,111,905; Sept. 29; Gaz. vol. 206; p. 1235.
- Wear, Means of protection for feminine. N. A. Teeple, (now by marriage N. A. Stolp.) No. 1,109,264; Sept. 1; Gaz. vol. 206; p. 144.
- Wear-resisting body and making the same. C. Dantsizen. No. 1,096,688; May 12; Gaz. vol. 202; p. 551.
- Wear-ring, Adjustable. W. A. Doble. No. 1,114,238; Oct. 20; Gaz. vol. 207; p. 722.
- Weather and dust proofing device. J. B. Glowacki. No. 1,108,936; Sept. 1; Gaz. vol. 206; p. 45.
- Weather-signal. A. Petio. No. 1,100,775; June 23; Gaz. vol. 203; p. 958.
- Weather-strip. E. G. Allen. No. 1,104,399; July 21; Gaz. vol. 204; p. 842.
- Weather-strip. T. B. Coughlan. No. 1,114,864; Oct. 27; Gaz. vol. 207; p. 995.
- Weather-strip. C. M. Eveleth. No. 1,116,685; Nov. 10; Gaz. vol. 208; p. 464.
- Weather-strip. J. P. Gardner. No. 1,093,394; Apr. 14; Gaz. vol. 201; p. 472.

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- Weather-strip. H. Higgin. No. 1,120,307; Dec. 8; Gaz. vol. 209; p. 522.
- Weather-strip. F. Holdsworth. No. 1,085,044; Jan. 20; Gaz. vol. 198; p. 654.
- Weather-strip. G. Johnson. No. 1,096,540; May 12; Gaz. vol. 202; p. 501.
- Weather-strip. S. Leech. No. 1,115,319; Oct. 27; Gaz. vol. 207; p. 1155.
- Weather-strip. W. H. Marzolf. No. 1,101,301; June 23; Gaz. vol. 203; p. 1142.
- Weather-strip. J. F. Poe. No. 1,101,710; June 30; Gaz. vol. 203; p. 1333.
- Weather-strip. W. G. Reed. No. 1,120,972; Dec. 15; Gaz. vol. 209; p. 804.
- Weather-strip. C. W. Renner. No. 1,111,548; Sept. 22; Gaz. vol. 206; p. 1071.
- Weather-strip. H. H. Schroyer. No. 1,087,146; Feb. 17; Gaz. vol. 199; p. 640.
- Weather-strip. H. H. Schroyer. No. 1,094,481; Apr. 28; Gaz. vol. 201; p. 935.
- Weather-strip and window-supporter, Combined. E. Sonntag. No. 1,121,143; Dec. 15; Gaz. vol. 209; p. 867.
- Weather-strip, Automatically-operating. L. I. Conrardt. No. 1,111,737; Sept. 29; Gaz. vol. 206; p. 1170.
- Weather-strip, Metal. C. P. Whitcomb. No. 1,104,334; July 21; Gaz. vol. 204; p. 820.
- Weather-strip, Metal. J. A. Whittemore. No. 1,110,022; Sept. 8; Gaz. vol. 206; p. 453.
- Weather-stripping, Side. E. F. Chaffee. No. 1,116,800; Nov. 10; Gaz. vol. 208; p. 504.
- Weather-vane. A. M. Mellinger. No. 1,093,062; Apr. 14; Gaz. vol. 201; p. 356.
- Weatherproof covering. F. C. Overbury. No. 1,104,998; July 28; Gaz. vol. 204; p. 1099.
- Weatherproofing, Plate for securing. C. J. Carroll. No. 1,102,871; July 7; Gaz. vol. 204; p. 227.
- Weaving and like purposes, Strip for. L. S. Samuel. No. 1,096,865; May 19; Gaz. vol. 202; p. 654.
- Weaving and the like, Making strips for. L. S. and M. Samuel. No. 1,105,309; July 28; Gaz. vol. 204; p. 1208.
- Weaving apparatus, Fabric. E. Prein. No. 1,095,417; May 5; Gaz. vol. 202; p. 83.
- Weaving apparatus, Fabric. E. Prein. No. 1,098,755; June 2; Gaz. vol. 203; p. 136.
- Weaving apparatus, Fabric. E. Prein. No. 1,098,756; June 2; Gaz. vol. 203; p. 136.
- Weaving apparatus, Vaporizing device for. L. E. A. Giller. No. 1,106,299; Aug. 4; Gaz. vol. 205; p. 245.
- Weaving, Leno. T. Grime. No. 1,095,176; Apr. 28; Gaz. vol. 201; p. 1179.
- Weaving, Machine for preparing warps for. H. D. Colman. No. 1,115,399; Oct. 27; Gaz. vol. 207; p. 1181.
- Weaving, Velvet. R. and J. Dantzer. No. 1,104,635; July 21; Gaz. vol. 204; p. 925.
- Weaving with open shed, Arrangement for dobby and jacquard mechanism. P. Turlur. No. 1,102,826; July 7; Gaz. vol. 204; p. 212.
- Web-controlling mechanism. I. A. Hunting. No. 1,103,142; July 14; Gaz. vol. 204; p. 368.
- Web-drying machine, Electric. J. C. Sherman. No. 1,106,683; Aug. 11; Gaz. vol. 205; p. 428.
- Web-feeding apparatus. F. A. Dowler. No. 1,122,878; Dec. 29; Gaz. vol. 209; p. 1543.
- Web-feeding mechanism. W. G. Kirchhoff. No. 1,108,501; Aug. 25; Gaz. vol. 205; p. 1160.
- Web-folding apparatus. J. E. Wildman. No. 1,108,295; Aug. 25; Gaz. vol. 205; p. 1089.
- Web-guiding detector device. R. A. Gally. No. 1,093,179; Apr. 14; Gaz. vol. 201; p. 398.
- Web-guiding device. L. B. Doman. No. 1,094,428; Apr. 28; Gaz. vol. 201; p. 915.
- Web-guiding device. R. A. Gally. No. 1,093,046; Apr. 14; Gaz. vol. 201; p. 350.
- Web-guiding device. R. A. Gally. No. 1,112,061; Sept. 29; Gaz. vol. 206; p. 1284.
- Web-roll mechanism, Change. H. A. W. Wood. No. 1,122,834; Dec. 29; Gaz. vol. 209; p. 1528.
- Web-roll renewer. R. Hoe. No. 1,085,909; Feb. 3; Gaz. vol. 199; p. 116.
- Web-supplying mechanism. R. Hoe. No. 1,085,907; Feb. 3; Gaz. vol. 199; p. 116.
- Web-tension-controlling mechanism. I. A. Hunting. No. 1,103,143; July 14; Gaz. vol. 204; p. 368.
- Web-tension-controlling mechanism. I. A. Hunting. No. 1,103,144; July 14; Gaz. vol. 204; p. 368.
- Wedge-bolt lock. H. C. Martz. No. 1,083,752; Jan. 6; Gaz. vol. 198; p. 164.
- Weed-cutter. J. A. Talbot. No. 1,111,108; Sept. 22; Gaz. vol. 206; p. 919.
- Weed-cutter. C. E. Kline. No. 1,111,908; Sept. 29; Gaz. vol. 206; p. 1236.
- Weed-cutter and leveler for railways. B. C. Gochenour. No. 1,122,732; Dec. 29; Gaz. vol. 209; p. 1490.
- Weed-destroyer. C. O. Blandin, W. T. Davis, and W. A. Reynolds. No. 1,110,182; Sept. 8; Gaz. vol. 206; p. 512.
- Weed-destroyer. W. Gunnarson. No. 1,118,854; Nov. 24; Gaz. vol. 208; p. 1299.
- Weed-destroyer. W. L. Korthauer. No. 1,093,786; Apr. 21; Gaz. vol. 201; p. 641.
- Weed-exterminating machine. A. Miller. No. 1,099,712; June 9; Gaz. vol. 203; p. 504.
- Weed-exterminator. C. Larson. No. 1,120,065; Dec. 8; Gaz. vol. 209; p. 437.
- Weed-extractor. D. Bittner, Jr. No. 1,092,818; Apr. 14; Gaz. vol. 201; p. 274.
- Weed-killing device. J. Lytle, Jr. No. 1,105,674; Aug. 4; Gaz. vol. 205; p. 30.
- Weed-puller. D. Gottfrid. No. 1,093,400; Apr. 14; Gaz. vol. 201; p. 474.
- Weed-puller. D. E. Nuttall. No. 1,105,684; Aug. 4; Gaz. vol. 205; p. 34.
- Weed-screen. J. Ehrhardt. No. 1,089,190; Mar. 3; Gaz. vol. 200; p. 180.
- Weeder. R. G. Bruner. No. 1,120,371; Dec. 8; Gaz. vol. 209; p. 545.
- Weeder. H. E. Geurin and W. D. Dean. No. 1,094,552; Apr. 28; Gaz. vol. 201; p. 958.
- Weeder. M. L. McAtee. No. 1,092,377; Apr. 7; Gaz. vol. 201; p. 87.
- Weeder and cultivator. R. M. Bennett. No. 1,086,014; Feb. 3; Gaz. vol. 199; p. 156.
- Weeder attachment. G. C. Peterson and A. H. Nelson. No. 1,116,914; Nov. 10; Gaz. vol. 208; p. 544.
- Weeding device. J. B. Ruddy. No. 1,107,705; Aug. 18; Gaz. vol. 205; p. 836.
- Weeding implement. K. Tsuboi. No. 1,097,827; May 26; Gaz. vol. 202; p. 1035.
- Weft-replenishing mechanism. I. Imbert. No. 1,095,870; May 5; Gaz. vol. 202; p. 237.
- Weigher and measurer, Grain. A. B. Christianson. No. 1,105,618; Aug. 4; Gaz. vol. 205; p. 10.
- Weigher, Automatic. C. L. Bond. No. 1,087,078; Feb. 10; Gaz. vol. 199; p. 564.
- Weigher, Automatic corn and grain. C. Cummins. No. 1,122,482; Dec. 29; Gaz. vol. 209; p. 1402.
- Weighing and filling machine. D. A. Flavell. No. 1,086,360; Feb. 10; Gaz. vol. 199; p. 319.
- Weighing apparatus. W. F. Braun. No. 1,090,017; Mar. 10; Gaz. vol. 200; p. 509.
- Weighing apparatus, Automatic. C. C. Voglesong. No. 1,083,959; Jan. 13; Gaz. vol. 198; p. 260.
- Weighing apparatus, Automatic. W. D. Wilson. No. 1,093,673; Apr. 21; Gaz. vol. 201; p. 605.
- Weighing apparatus, Knife-edge bearing for. E. G. Hedman. No. 1,109,838; Sept. 8; Gaz. vol. 206; p. 387.
- Weighing apparatus, Weight-indicating. W. A. Benton. No. 1,101,390; June 23; Gaz. vol. 203; p. 1172.
- Weighing attachment for wool-feeding machines. G. H. Boynton. No. 1,086,135; Feb. 3; Gaz. vol. 199; p. 199.
- Weighing device, Automatic. E. S. Kneeland. No. 1,109,293; Sept. 1; Gaz. vol. 206; p. 154.
- Weighing device, Electric automatic. E. J. Lane. No. 1,115,690; Nov. 3; Gaz. vol. 208; p. 77.
- Weighing device, Liquid. W. Leinert. No. 1,103,303; July 14; Gaz. vol. 204; p. 423.
- Weighing device, Refrigerator. E. Ellis. No. 1,111,447; Sept. 22; Gaz. vol. 206; p. 1035.
- Weighing-machine. H. G. Dewey. No. 1,107,592; Aug. 18; Gaz. vol. 205; p. 795.
- Weighing-machine. A. C. Dodge. No. 1,105,891; Aug. 4; Gaz. vol. 205; p. 106.
- Weighing-machine. W. Espenhayn and F. O. Hunger. No. 1,116,254; Nov. 3; Gaz. vol. 208; p. 268.
- Weighing-machine. G. Walker. No. 1,103,456; July 14; Gaz. vol. 204; p. 474.
- Weighing-machine, Automatic. A. J. Ball. No. 1,103,469; July 14; Gaz. vol. 204; p. 479.
- Weighing-machine, Automatic. J. P. Clifford and S. G. Murray. No. 1,083,804; Jan. 6; Gaz. vol. 198; p. 130.
- Weighing-machine, Automatic. C. D. Scott. No. 1,087,838; Feb. 17; Gaz. vol. 199; p. 882.
- Weighing machine, Pressure. A. P. Phillips. No. 1,106,839; Aug. 11; Gaz. vol. 205; p. 482.
- Weighing-machines, Feed mechanism for automatic. H. Hager. No. 1,098,108; May 26; Gaz. vol. 202; p. 1136.
- Weighing-machines, Feeder for automatic. C. P. Wellman. No. 1,115,633; Nov. 3; Gaz. vol. 208; p. 56.
- Weighing mechanism. E. H. Messiter. No. 1,104,268; July 21; Gaz. vol. 204; p. 796.
- Weighing mechanism and mileage-recorder. C. B. Gamble. No. 1,113,609; Oct. 13; Gaz. vol. 207; p. 460.
- Weighing mechanism, Liquid. T. F. Mulligan. No. 1,116,466; Nov. 10; Gaz. vol. 208; p. 381.
- Weighing or measuring apparatus. C. Nagel. No. 1,092,741; Apr. 7; Gaz. vol. 201; p. 212.
- Weight. P. F. Hazen. No. 1,094,895; Apr. 28; Gaz. vol. 201; p. 1080.
- Weight, Garment. S. Feld. No. 1,085,897; Feb. 3; Gaz. vol. 199; p. 1130.
- Weight, Garment. M. E. Roarke. No. 1,084,233; Jan. 13; Gaz. vol. 198; p. 355.
- Weight-raising device. W. C. Cutler. No. 1,102,013; June 30; Gaz. vol. 203; p. 1441.
- Welded joint for iron and steel pipes and tubes. J. G. Stewart. No. 1,083,767; Jan. 6; Gaz. vol. 198; p. 168.
- Welded joint for steel and iron pipes and tubes. J. G. Stewart. No. 1,103,630; July 14; Gaz. vol. 204; p. 537.
- Welding. W. C. Bucknam. No. 1,091,479; Mar. 31; Gaz. vol. 200; p. 1124.

Alphabetical list of inventions—Continued.

- Welding and articles produced thereby, Method of and apparatus for electric. O. C. Knipe. No. 1,115,943; Nov. 3; Gaz. vol. 208; p. 162.
- Welding and chain-forming machine, Blank-. E. Lindmueller. No. 1,097,245; May 19; Gaz. vol. 202; p. 789.
- Welding and cutting, Gas. W. C. Bucknam. No. 1,084,692; Jan. 20; Gaz. vol. 198; p. 536.
- Welding apparatus, Arc-. T. Varney. No. 1,095,300; May 5; Gaz. vol. 202; p. 44.
- Welding apparatus, Electric. E. E. Haskin. No. 1,096,506; May 12; Gaz. vol. 202; p. 490.
- Welding apparatus, Electric. E. I. Heinsohn. No. 1,119,079; Dec. 1; Gaz. vol. 209; p. 63.
- Welding apparatus, Electric. S. S. Morgan. No. 1,109,592; Sept. 1; Gaz. vol. 206; p. 257.
- Welding apparatus, Electrical. E. H. Jones. No. 1,101,448; June 23; Gaz. vol. 203; p. 1192.
- Welding-clamp. W. Simpson and E. Birnie. No. 1,113,700; Oct. 13; Gaz. vol. 207; p. 492.
- Welding copper. E. E. Reigle. No. 1,098,404; June 2; Gaz. vol. 203; p. 17.
- Welding copper. H. Suzuki. No. 1,107,865; Aug. 18; Gaz. vol. 205; p. 891.
- Welding, Device for preventing formation of burs in electric. W. A. Kilmer and A. T. Weaver. No. 1,087,383; Feb. 17; Gaz. vol. 199; p. 724.
- Welding, Electric. G. Gnüchtel. No. 1,094,141; Apr. 21; Gaz. vol. 201; p. 760.
- Welding, Electric. L. S. Lachman. No. 1,085,089; Jan. 20; Gaz. vol. 198; p. 669.
- Welding, Electric seam-. E. Thomson. No. 1,083,956; Jan. 13; Gaz. vol. 198; p. 259.
- Welding, Electrical. E. H. Jones. No. 1,101,447; June 23; Gaz. vol. 203; p. 1191.
- Welding-machine. J. H. Gravell. No. 1,084,083; Jan. 13; Gaz. vol. 198; p. 304.
- Welding-machine. J. H. Gravell. No. 1,086,041; Feb. 3; Gaz. vol. 199; p. 165.
- Welding-machine. J. H. Gravell. No. 1,086,042; Feb. 3; Gaz. vol. 199; p. 166.
- Welding-machine. E. T. Hendee. No. 1,115,195; Oct. 27; Gaz. vol. 207; p. 1113.
- Welding-machine, Electric. W. E. Andrews. No. 1,115,461; Oct. 27; Gaz. vol. 207; p. 1202.
- Welding-machine, Electric. F. E. Beam. No. 1,098,550; June 2; Gaz. vol. 203; p. 68.
- Welding-machine, Electric. N. Macneale. No. 1,093,281; Apr. 14; Gaz. vol. 201; p. 432.
- Welding-machine, Electric. R. C. Pierce. No. 1,102,797; July 7; Gaz. vol. 204; p. 201.
- Welding machine, Electric spot-. F. P. McBerty. No. 1,098,632; June 2; Gaz. vol. 203; p. 95.
- Welding machine, Spot-. E. Thomson. No. 1,084,673; Jan. 20; Gaz. vol. 198; p. 527.
- Welding machine, Spot-. E. Thomson. No. 1,122,665; Dec. 29; Gaz. vol. 209; p. 1468.
- Welding machines, Electrode-point for spot-. A. C. Taylor. No. 1,096,205; May 12; Gaz. vol. 202; p. 386.
- Welding-machines, Roller-contact for electric. K. Schmarje. No. 1,097,883; May 26; Gaz. vol. 202; p. 1056.
- Welding metals. J. C. Lincoln. No. 1,108,592; Aug. 25; Gaz. vol. 205; p. 1192.
- Welding outfit, Autogenous. A. Thousand. No. 1,094,761; Apr. 28; Gaz. vol. 201; p. 1035.
- Welding-powder for welding iron and steel. E. Eisen-gräber. No. 1,091,312; Mar. 24; Gaz. vol. 200; p. 1026.
- Welding reinforcements for concrete, Machine for. W. S. Southwick. No. 1,093,297; Apr. 14; Gaz. vol. 201; p. 438.
- Welding, Spot-. E. Thomson. No. 1,097,896; May 26; Gaz. vol. 202; p. 1060.
- Welding-strip, Corrugated. L. S. Lachman. No. 1,094,910; Apr. 28; Gaz. vol. 201; p. 1085.
- Welding the meeting edges of metallic articles. H. E. Snodgrass. No. 1,086,337; Feb. 3; Gaz. vol. 199; p. 263.
- Welding the meeting edges of metallic articles, Apparatus for. H. E. Snodgrass. No. 1,085,639; Feb. 3; Gaz. vol. 199; p. 21.
- Welding thin sheets, Spot-. E. Thomson. No. 1,085,769; Feb. 3; Gaz. vol. 199; p. 69.
- Welding-tip. E. G. Luening. No. 1,107,429; Aug. 18; Gaz. vol. 205; p. 738.
- Welding-tip. P. Pleiss. No. 1,107,346; Aug. 18; Gaz. vol. 205; p. 707.
- Welding-tool. S. S. Morgan. No. 1,109,591; Sept. 1; Gaz. vol. 206; p. 257.
- Welds, Method of and apparatus for preventing formation of burs in electric. W. A. Kilmer and A. T. Weaver. No. 1,087,384; Feb. 17; Gaz. vol. 199; p. 725.
- Well. A. L. Collins. No. 1,094,532; Apr. 28; Gaz. vol. 201; p. 951.
- Well-bailing device. E. E. West. No. 1,092,788; Apr. 7; Gaz. vol. 201; p. 228.
- Well-bits, Attachment for rotary. T. A. Beecher. No. 1,118,726; Nov. 24; Gaz. vol. 208; p. 1257.
- Well-boring apparatus. I. Kitsee. No. 1,090,919; Mar. 24; Gaz. vol. 200; p. 891.
- Well-boring apparatus. F. H. Opfergelt. No. 1,118,575; Nov. 24; Gaz. vol. 208; p. 1206.
- Well boring apparatus, Oil and Artesian. E. E. Greve. No. 1,098,147; May 26; Gaz. vol. 202; p. 1147.
- Well-cables, Bull-wheel for. D. B. Campbell. No. 1,099,736; June 9; Gaz. vol. 203; p. 512.
- Well capping device, Oil and gas. F. S. Gail. No. 1,106,295; Aug. 4; Gaz. vol. 205; p. 244.
- Well-casing. E. H. Bienhoff. No. 1,110,284; Sept. 8; Gaz. vol. 206; p. 548.
- Well-casing. A. L. Collins. No. 1,112,676; Oct. 6; Gaz. vol. 207; p. 95.
- Well-casing guide. W. M. Sousae and H. H. McLain. No. 1,083,341; Jan. 6; Gaz. vol. 198; p. 27.
- Well-casing perforator. E. A. Beaudette. No. 1,121,321; Dec. 15; Gaz. vol. 209; p. 927.
- Well-casing perforator. C. P. Skinner. No. 1,112,570; Oct. 6; Gaz. vol. 207; p. 57.
- Well-casing spear. S. A. Guiberson, Jr. No. 1,099,358; June 9; Gaz. vol. 203; p. 383.
- Well-casing spear. S. Vroman. No. 1,091,100; Mar. 24; Gaz. vol. 200; p. 955.
- Well-casings, Elevator and spider for handling. W. H. Garrigan and P. B. Daubenspeck. No. 1,093,842; Apr. 21; Gaz. vol. 201; p. 661.
- Well-cleaner. H. E. Hart. No. 1,122,917; Dec. 29; Gaz. vol. 209; p. 1556.
- Well cleaner and agitator, Oil-. F. C. Hoch and W. I. McKee. No. 1,086,050; Feb. 3; Gaz. vol. 199; p. 169.
- Well cylinder, Single. A. L. Ligon. No. 1,120,826; Dec. 15; Gaz. vol. 209; p. 754.
- Well-digger's plunge-bucket. G. L. Murray and A. W. Creelman. No. 1,117,424; Nov. 17; Gaz. vol. 208; p. 761.
- Well-digging apparatus. R. Brewster and J. Gottertz. No. 1,113,303; Oct. 13; Gaz. vol. 207; p. 353.
- Well-digging bit, Expanding. C. A. Reagan. No. 1,095,419; May 5; Gaz. vol. 202; p. 84.
- Well-digging or earth-boring apparatus. M. Hyman. No. 1,088,903; Mar. 3; Gaz. vol. 200; p. 79.
- Well-drill-feeding mechanism. S. C. Lawson. No. 1,098,273; May 26; Gaz. vol. 202; p. 1192.
- Well-drill jar. J. F. Craven. No. 1,112,773; Oct. 6; Gaz. vol. 207; p. 128.
- Well-drilling apparatus. H. Braasch. No. 1,086,748; Feb. 10; Gaz. vol. 199; p. 453.
- Well-drilling apparatus. J. Darling. No. 1,087,353; Feb. 17; Gaz. vol. 199; p. 712.
- Well-drilling apparatus. H. R. Hughes. No. 1,094,904; Apr. 28; Gaz. vol. 201; p. 1083.
- Well-drilling apparatus. C. W. Thorniley. No. 1,092,309; Apr. 7; Gaz. vol. 201; p. 65.
- Well-drilling appliance. I. E. Monroe. No. 1,096,740; May 12; Gaz. vol. 202; p. 568.
- Well-drilling bit. W. E. Wetzel. No. 1,121,573; Dec. 15; Gaz. vol. 209; p. 1014.
- Well-drilling bit. W. L. Young. No. 1,095,062; Apr. 28; Gaz. vol. 201; p. 1138.
- Well-drilling cables, Manufacture of rope-clamps for. C. F. Rigby. No. 1,120,539; Dec. 8; Gaz. vol. 209; p. 605.
- Well-drilling device. H. R. Decker. No. 1,088,132; Feb. 24; Gaz. vol. 199; p. 1031.
- Well-drilling machine. R. M. and J. L. Downie and H. E. Turner. No. 1,096,022; May 12; Gaz. vol. 202; p. 324.
- Well-drilling machine. E. G. Goodrick. No. 1,096,624; May 12; Gaz. vol. 202; p. 529.
- Well-drilling machine. G. W. Slaughter, Jr. No. 1,106,322; Aug. 4; Gaz. vol. 205; p. 254.
- Well-drilling machine. A. C. Stewart. No. 1,084,762; Jan. 20; Gaz. vol. 198; p. 560.
- Well-drilling rigs, Sand-reel for. J. A. McDonald. No. 1,099,991; June 16; Gaz. vol. 203; p. 636.
- Well-drilling tool. S. W. Sims. No. 1,096,134; May 12; Gaz. vol. 202; p. 362.
- Well-drilling tool, Deep-. C. A. Butler. No. 1,116,794; Nov. 10; Gaz. vol. 208; p. 501.
- Well-drilling-tool wrench, Oil-. N. T. Shorts. No. 1,122,316; Dec. 29; Gaz. vol. 209; p. 1347.
- Well-drilling tools, Clamping device for deep-. E. P. Windle. No. 1,089,302; Mar. 3; Gaz. vol. 200; p. 214.
- Well heater, Oil-. J. E. Williamson. No. 1,095,365; May 5; Gaz. vol. 202; p. 66.
- Well-hole straightener. J. S. Young. No. 1,095,487; May 5; Gaz. vol. 202; p. 109.
- Well-holes, pole-holes, and the like, Producing. O. Wilhelm. No. 1,103,334; July 14; Gaz. vol. 204; p. 434.
- Well-holes, pole-holes, and the like, Tool for producing. O. Wilhelm. No. 1,117,737; Nov. 17; Gaz. vol. 208; p. 873.
- Well, Locating the place and character of a liquid coming from strata in a. T. A. Beecher. No. 1,090,673; Mar. 17; Gaz. vol. 200; p. 778.
- Well, Locating the place of a liquid stratum in a. T. A. Beecher. No. 1,090,674; Mar. 17; Gaz. vol. 200; p. 778.
- Well-packer. H. C. Brewster. No. 1,090,019; Mar. 10; Gaz. vol. 200; p. 509.
- Well-packer. C. S. Cameron. No. 1,108,333; Aug. 25; Gaz. vol. 205; p. 1101.
- Well-packer. C. P. Clayton. No. 1,104,877; July 28; Gaz. vol. 204; p. 1058.
- Well-packer. W. S. Pierce. No. 1,091,386; Mar. 24; Gaz. vol. 200; p. 1049.

Alphabetical list of inventions—Continued.

- Well packer, Oil-. P. H. Mack. No. 1,109,078; Sept. 1; Gaz. vol. 206; p. 79.
- Well packer, Oil-. P. H. Mack. No. 1,111,478; Sept. 22; Gaz. vol. 206; p. 1046.
- Well-packers, Retaining member for. L. E. Robinson. No. 1,094,020; Apr. 21; Gaz. vol. 201; p. 720.
- Well-packers, Separable retaining member for. L. E. Robinson. No. 1,094,021; Apr. 21; Gaz. vol. 201; p. 720.
- Well plug, Oil-. J. T. Hall. No. 1,117,669; Nov. 17; Gaz. vol. 208; p. 848.
- Well-screen. M. E. Layne. No. 1,088,078; Feb. 24; Gaz. vol. 199; p. 1013.
- Well-sinking apparatus. M. T. Chapman. No. 1,101,483; June 23; Gaz. vol. 203; p. 1204.
- Well-sinking apparatus. M. T. Chapman. No. 1,104,409; July 21; Gaz. vol. 204; p. 846.
- Well-sinking apparatus. M. T. Chapman. No. 1,114,231; Oct. 20; Gaz. vol. 207; p. 719.
- Well structures, Assembling. F. I. Getty. No. 1,098,107; May 26; Gaz. vol. 202; p. 1135.
- Well swab, Oil-. H. M. Anderson. No. 1,108,313; Aug. 25; Gaz. vol. 205; p. 1095.
- Well-swabbing mechanism. C. M. Heeter. No. 1,098,320; May 26; Gaz. vol. 202; p. 1209.
- Well-tool. W. Schildwachter. No. 1,087,262; Feb. 17; Gaz. vol. 199; p. 682.
- Well-tubings, Perforating-tool for. C. H. Gregory. No. 1,092,040; Mar. 31; Gaz. vol. 200; p. 1316.
- Wells, Apparatus for constructing pipe. C. D. Kirkpatrick. No. 1,123,129; Dec. 29; Gaz. vol. 209; p. 1630.
- Wells, Apparatus for forcing fluids from. W. P. Randall. No. 1,104,133; July 21; Gaz. vol. 204; p. 751.
- Wells, Apparatus for handling casing in drilling. E. Derby and H. B. Truett. No. 1,121,718; Dec. 22; Gaz. vol. 209; p. 1101.
- Wells, Dry-hole plug for. L. E. Robinson. No. 1,092,540; Apr. 7; Gaz. vol. 201; p. 143.
- Wells, Increasing the production of oil-. I. L. Dunn. No. 1,099,170; June 9; Gaz. vol. 203; p. 317.
- Wells, Internal anchor device for oil, gas, water, and other. J. E. Robinson. No. 1,092,508; Apr. 7; Gaz. vol. 201; p. 133.
- Wells, Packing for. W. S. Pierce. No. 1,091,387; Mar. 24; Gaz. vol. 200; p. 1049.
- Wells, Raising fluids from Artesian. F. O. Brown. No. 1,093,031; Apr. 14; Gaz. vol. 201; p. 345.
- Wells, Restoring and increasing the production of oil and gas. I. L. Dunn. No. 1,107,416; Aug. 18; Gaz. vol. 205; p. 734.
- Wells, Rotary tool for deep. C. Moore. No. 1,110,639; Sept. 15; Gaz. vol. 206; p. 713.
- Wells, Treating old. W. O. Snelling. No. 1,104,011; July 21; Gaz. vol. 204; p. 709.
- Wells, Tube-gripping apparatus for boring. H. C. Brewster. No. 1,107,025; Aug. 11; Gaz. vol. 205; p. 544.
- Wells, Valve-extractor for. R. L. Wyckoff and J. D. Nangle. No. 1,104,237; July 21; Gaz. vol. 204; p. 786.
- Welt-beating machine. F. E. Valois. No. 1,089,025; Mar. 3; Gaz. vol. 200; p. 120.
- Welt-cutting machine. C. P. Stanbon. No. 1,115,123; Oct. 27; Gaz. vol. 207; p. 1087.
- Welt-indenting machine. R. C. Simmons. No. 1,114,300; Oct. 20; Gaz. vol. 207; p. 744.
- Welt-skiving machine. J. H. Hadaway. No. 1,101,538; June 30; Gaz. vol. 203; p. 1274.
- Welting, Forming. W. B. Arnold. No. 1,122,845; Dec. 29; Gaz. vol. 209; p. 1531.
- Welting-package. T. H. Seely. No. 1,101,212; June 23; Gaz. vol. 203; p. 1112.
- Wheat scouring, washing, and drying machine. C. Dawson. No. 1,116,572; Nov. 10; Gaz. vol. 208; p. 422.
- Wheel: See Abrading-wheel; Auto-wheel; Automobile-wheel; Automobile, &c., wheel; Automobile truck-wheel; Buffing-wheel; Buggy-wheel; Bull-wheel; Calf-wheel; Car-wheel; Carriage-wheel; Caster-wheel; Convertible wheel; Current-wheel; Cushion-wheel; Cushioned wheel; Demountable wheel; Detachable wheel; Dipping-wheel; Driving-wheel; Elastic wheel; Engine-wheel; Expansible wheel; Fan-wheel; Fifth-wheel; Fly-wheel; Gear-wheel; Grinding-wheel; Grinding and polishing wheel; Gun-carriage wheel; Hand-wheel; Heel-burnishing wheel; Interchangeable wheel; Irrigation-coil wheel; Lubricating-wheel; Master-wheel; Metal wheel; Metal-spoked wheel; Motor traction-wheel; Pitman-wheel; Platform-wheel; Pneumatic wheel; Pneumatic-tire wheel; Pneumatic-tired wheel; Polishing-wheel; Power-wheel; Railway-wheel; Ratchet-wheel; Resilient wheel; Resilient vehicle-wheel; Road-wheel; Rubber-tired wheel; Self-propelled wheel; Sheet-metal wheel; Shock-absorbing wheel; Spring-wheel; Spring-cushioned wheel; Spring-spoke wheel; Spring vehicle-wheel; Sprocket-wheel; Steering-wheel; Toy pinwheel; Traction-wheel; Tractor-wheel; Trolley-wheel; Turbine-wheel; Vehicle-wheel; Vehicle emergency-wheel; Vehicle spring-wheel; Water-wheel; Water-power wheel; Wind-wheel; Wind-mill-wheel.
- Wheel. P. G. Anderson. No. 1,084,875; Jan. 20; Gaz. vol. 198; p. 598.
- Wheel. T. Bell. No. 1,120,891; Dec. 15; Gaz. vol. 209; p. 777.
- Wheel. J. H. Clark. No. 1,120,027; Dec. 8; Gaz. vol. 209; p. 424.
- Wheel. W. H. and W. J. Clark. No. 1,097,613; May 26; Gaz. vol. 202; p. 958.
- Wheel. B. P. Cooper. No. 1,103,398; July 14; Gaz. vol. 204; p. 454.
- Wheel. B. P. Cooper. No. 1,103,399; July 14; Gaz. vol. 204; p. 454.
- Wheel. L. M. Cooper. No. 1,119,403; Dec. 1; Gaz. vol. 209; p. 174.
- Wheel. W. A. Dodge. No. 1,092,029; Mar. 31; Gaz. vol. 200; p. 1312.
- Wheel. M. L. Donaway. No. 1,113,963; Oct. 20; Gaz. vol. 207; p. 624.
- Wheel. W. T. Dulany, Jr. No. 1,101,791; June 30; Gaz. vol. 203; p. 1362.
- Wheel. L. W. Goodlad. No. 1,120,929; Dec. 15; Gaz. vol. 209; p. 791.
- Wheel. F. J. Hadfield. No. 1,097,427; May 19; Gaz. vol. 202; p. 852.
- Wheel. W. Hammack, J. Hedges, and L. Martin. No. 1,090,711; Mar. 17; Gaz. vol. 200; p. 789.
- Wheel. O. V. Hanna. No. 1,093,988; Apr. 21; Gaz. vol. 201; p. 709.
- Wheel. J. Harlan, Sr. No. 1,108,749; Aug. 25; Gaz. vol. 205; p. 1244.
- Wheel. W. T. Harris. No. 1,093,849; Apr. 21; Gaz. vol. 201; p. 664.
- Wheel. E. R. Josselyn. No. 1,086,370; Feb. 10; Gaz. vol. 199; p. 322.
- Wheel. C. N. Laplant and J. W. Grace. No. 1,101,083; June 23; Gaz. vol. 203; p. 1068.
- Wheel. E. C. Madden. No. 1,122,620; Dec. 29; Gaz. vol. 209; p. 1451.
- Wheel. C. A. Mendenhall. No. 1,120,514; Dec. 8; Gaz. vol. 209; p. 595.
- Wheel. C. W. Nichols and H. P. Meyers. No. 1,087,504; Feb. 17; Gaz. vol. 199; p. 766.
- Wheel. F. G. Pickering. No. 1,100,682; June 16; Gaz. vol. 203; p. 871.
- Wheel. J. Pierce. No. 1,091,241; Mar. 24; Gaz. vol. 200; p. 1005.
- Wheel. M. M. Pratt. No. 1,112,554; Oct. 6; Gaz. vol. 207; p. 51.
- Wheel. J. Putter. No. 1,100,027; June 16; Gaz. vol. 203; p. 648.
- Wheel. H. Rabba and F. Stock. No. 1,089,959; Mar. 10; Gaz. vol. 200; p. 489.
- Wheel. C. H. Reynolds. No. 1,118,807; Nov. 24; Gaz. vol. 208; p. 1283.
- Wheel. C. E. Root. No. 1,120,543; Dec. 8; Gaz. vol. 209; p. 606.
- Wheel. J. T. Rynda. No. 1,098,590; June 2; Gaz. vol. 203; p. 81.
- Wheel. J. E. Sackett. No. 1,095,600; May 5; Gaz. vol. 202; p. 146.
- Wheel. H. Schlicht. No. 1,094,752; Apr. 28; Gaz. vol. 201; p. 1032.
- Wheel. S. Scognamillo. No. 1,094,259; Apr. 21; Gaz. vol. 201; p. 800.
- Wheel. A. Sherwood. No. 1,092,227; Apr. 7; Gaz. vol. 201; p. 35.
- Wheel. J. A. Stahle. No. 1,092,183; Apr. 7; Gaz. vol. 201; p. 20.
- Wheel. A. Stewart. No. 1,089,284; Mar. 3; Gaz. vol. 200; p. 209.
- Wheel. J. W. Stewart. No. 1,110,156; Sept. 8; Gaz. vol. 206; p. 504.
- Wheel. A. J. Swing. No. 1,089,601; Mar. 10; Gaz. vol. 200; p. 366.
- Wheel. C. L. Tomlinson. No. 1,116,648; Nov. 10; Gaz. vol. 208; p. 451.
- Wheel. J. L. Walker. No. 1,087,854; Feb. 17; Gaz. vol. 199; p. 886.
- Wheel. A. Walters and G. Hennkens. No. 1,099,219; June 9; Gaz. vol. 203; p. 334.
- Wheel. J. R. Welch. No. 1,100,800; June 23; Gaz. vol. 203; p. 968.
- Wheel. C. Yoder. No. 1,084,724; Jan. 20; Gaz. vol. 198; p. 547.
- Wheel and rail lubricator. J. Cassidy, A. B. Metcalfe, and S. J. Cassidy. No. 1,097,704; May 26; Gaz. vol. 202; p. 992.
- Wheel and tire. A. V. Mitchell. No. 1,097,660; May 26; Gaz. vol. 202; p. 976.
- Wheel and tire therefor. H. Kitcher. No. 1,088,905; Mar. 3; Gaz. vol. 200; p. 79.
- Wheel and tire therefor. H. Kitcher. No. 1,113,356; Oct. 13; Gaz. vol. 207; p. 372.
- Wheel attachment, Vehicle. J. W. White. No. 1,115,355; Oct. 27; Gaz. vol. 207; p. 1165.
- Wheel-chair, Invalid's. W. Diemer. No. 1,087,928; Feb. 24; Gaz. vol. 199; p. 958.
- Wheel-chock, Vehicle. H. D. Ellis. No. 1,108,156; Aug. 25; Gaz. vol. 205; p. 1039.
- Wheel-clamp. F. A. De Walt. No. 1,090,032; Mar. 10; Gaz. vol. 200; p. 513.
- Wheel-clamp, Safety. T. H. Hensley. No. 1,097,431; May 19; Gaz. vol. 202; p. 855.

Alphabetical list of inventions—Continued.

- Wheel cleat, Traction-. J. W. Lambert. No. 1,120,946; Dec. 15; Gaz. vol. 209; p. 796.
- Wheel construction. A. P. Prather. No. 1,116,916; Nov. 10; Gaz. vol. 208; p. 544.
- Wheel construction. H. W. Sanford. No. 1,088,375; Feb. 24; Gaz. vol. 199; p. 1113.
- Wheel construction. R. B. Woodworth. No. 1,090,184; Mar. 17; Gaz. vol. 200; p. 608.
- Wheel demountable rim. R. C. Knowles. No. 1,098,040; May 26; Gaz. vol. 202; p. 1112.
- Wheel demountable rim, Automobile-. E. K. Baker. No. 1,100,816; June 23; Gaz. vol. 203; p. 973.
- Wheel demountable rim, Automobile-. E. K. Baker. No. 1,101,386; June 23; Gaz. vol. 203; p. 1170.
- Wheel-demounting press. H. E. Derbyshire and A. A. Longaker. No. 1,099,120; June 2; Gaz. vol. 203; p. 255.
- Wheel dust-cap, Vehicle-. D. McKay. No. 1,091,072; Mar. 24; Gaz. vol. 200; p. 945.
- Wheel-fender. F. Lillich. No. 1,117,409; Nov. 17; Gaz. vol. 208; p. 756.
- Wheel-fender. F. Lillich. No. 1,118,026; Nov. 24; Gaz. vol. 208; p. 1012.
- Wheel-fender. F. Lillich. No. 1,118,562; Nov. 24; Gaz. vol. 208; p. 1201.
- Wheel-flange-lubricating mechanism. R. H. Scroggins. No. 1,104,322; July 21; Gaz. vol. 204; p. 815.
- Wheel-flange lubricator. J. H. Miner. No. 1,083,901; Jan. 6; Gaz. vol. 198; p. 207.
- Wheel-flange lubricator. J. H. Miner. No. 1,092,738; Apr. 7; Gaz. vol. 201; p. 210.
- Wheel-flange lubricator. J. H. Miner. No. 1,107,978; Aug. 18; Gaz. vol. 205; p. 929.
- Wheel-flange lubricator. R. H. Scroggins. No. 1,104,321; July 21; Gaz. vol. 204; p. 815.
- Wheel-flange lubricator. W. T. Small and C. Bess. No. 1,086,624; Feb. 10; Gaz. vol. 199; p. 411.
- Wheel-flange lubricator. T. J. Wholey. No. 1,094,955; Apr. 28; Gaz. vol. 201; p. 1102.
- Wheel-flange lubricator. J. M. Woods and F. E. M. Giesebrecht. No. 1,110,276; Sept. 8; Gaz. vol. 206; p. 545.
- Wheel-flange lubricator, Car-. S. W. Snyder and P. C. Boelzner. No. 1,104,324; July 21; Gaz. vol. 204; p. 816.
- Wheel for motor-cars and other vehicles. R. T. Smith, Jr. No. 1,099,133; June 2; Gaz. vol. 203; p. 259.
- Wheel-forging mill. J. Slattery. No. 1,107,717; Aug. 18; Gaz. vol. 205; p. 840.
- Wheel-frame for baby-carriages. J. Uherkovich de Uherkocz. No. 1,119,002; Dec. 1; Gaz. vol. 209; p. 34.
- Wheel-gage. A. Gotautas. No. 1,099,794; June 9; Gaz. vol. 203; p. 532.
- Wheel generator or milling-machine. Worm-. P. Brown and F. J. Bostock. No. 1,122,068; Dec. 22; Gaz. vol. 209; p. 1225.
- Wheel-guard. G. W. Halley. No. 1,106,209; Aug. 4; Gaz. vol. 205; p. 217.
- Wheel-guard. W. C. Piggott. No. 1,088,618; Feb. 24; Gaz. vol. 199; p. 1192.
- Wheel-guard or obstruction-remover for motor road-vehicles. G. Evanovitch. No. 1,113,421; Oct. 13; Gaz. vol. 207; p. 396.
- Wheel-guard or obstruction-remover for vehicles. W. H. Hayter. No. 1,094,388; Apr. 21; Gaz. vol. 201; p. 841.
- Wheel-lock. J. E. Craver. No. 1,114,585; Oct. 20; Gaz. vol. 207; p. 843.
- Wheel lock, Numeral-. W. J. Ide. No. 1,095,400; May 5; Gaz. vol. 202; p. 77.
- Wheel lock, Steering-. C. H. Fritsche. No. 1,112,782; Oct. 6; Gaz. vol. 207; p. 130.
- Wheel-locking device. F. Seeber. No. 1,098,982; June 2; Gaz. vol. 203; p. 212.
- Wheel locking device or brake, Hand-. F. E. Arndt. No. 1,105,236; July 28; Gaz. vol. 204; p. 1183.
- Wheel-mount. F. E. V. Chapman. No. 1,093,912; Apr. 21; Gaz. vol. 201; p. 685.
- Wheel-mount. H. Grusong. No. 1,093,264; Apr. 14; Gaz. vol. 201; p. 427.
- Wheel-mount. A. Johnson. No. 1,114,481; Oct. 20; Gaz. vol. 207; p. 810.
- Wheel-mount. F. Siwak. No. 1,087,328; Feb. 17; Gaz. vol. 199; p. 704.
- Wheel-mount. E. Telleson. No. 1,098,464; June 2; Gaz. vol. 203; p. 38.
- Wheel-mounting. J. Anthony and T. J. Pirrung. No. 1,116,362; Nov. 10; Gaz. vol. 208; p. 345.
- Wheel-mounting. R. M. Craig. No. 1,112,268; Sept. 29; Gaz. vol. 206; p. 1358.
- Wheel mounting or demounting press. A. A. Longaker. No. 1,091,457; Mar. 24; Gaz. vol. 200; p. 1072.
- Wheel mud-guard. W. Lee. No. 1,122,957; Dec. 29; Gaz. vol. 209; p. 1569.
- Wheel mud-guard, Road-. L. Fichter. No. 1,095,566; May 5; Gaz. vol. 202; p. 135.
- Wheel-press. A. A. Longaker. No. 1,091,458; Mar. 24; Gaz. vol. 200; p. 1072.
- Wheel-press. A. A. Longaker. No. 1,094,391; Apr. 21; Gaz. vol. 201; p. 842.
- Wheel-puller. F. C. Hersee. No. 1,121,101; Dec. 15; Gaz. vol. 209; p. 851.
- Wheel-resetting device, Numeral-. H. E. Delvin. No. 1,112,895; Oct. 6; Gaz. vol. 207; p. 168.
- Wheel-rim. W. Bloecher. No. 1,118,728; Nov. 24; Gaz. vol. 208; p. 1258.
- Wheel-rim. P. B. Bosworth. No. 1,108,546; Aug. 25; Gaz. vol. 205; p. 1176.
- Wheel-rim. E. Laurent. No. 1,105,524; July 28; Gaz. vol. 204; p. 1285.
- Wheel-rim. A. Loomis. No. 1,122,012; Dec. 22; Gaz. vol. 209; p. 1205.
- Wheel rim and tire. M. H. Cain. No. 1,091,807; Mar. 31; Gaz. vol. 200; p. 1239.
- Wheel rim and tire. F. A. Dellert. No. 1,094,706; Apr. 28; Gaz. vol. 201; p. 1016.
- Wheel-rim construction. H. M. Snyder. No. 1,107,719; Aug. 18; Gaz. vol. 205; p. 840.
- Wheel-rim construction. H. M. Snyder. No. 1,107,720; Aug. 18; Gaz. vol. 205; p. 840.
- Wheel-rim, Demountable. E. K. Baker. No. 1,095,775; May 5; Gaz. vol. 202; p. 206.
- Wheel-rim, Demountable vehicle. R. S. Bryant. No. 1,117,163; Nov. 17; Gaz. vol. 208; p. 668.
- Wheel-rim, Demountable. C. G. Hawley and E. K. Baker. No. 1,101,741; June 30; Gaz. vol. 203; p. 1343.
- Wheel-rim, Detachable. C. E. Cameron. No. 1,104,874; July 28; Gaz. vol. 204; p. 1057.
- Wheel-rim, Detachable. H. C. Gibson. No. 1,087,534; Feb. 17; Gaz. vol. 199; p. 776.
- Wheel-rim, Detachable. R. Haupt. No. 1,103,003; July 7; Gaz. vol. 204; p. 271.
- Wheel-rim, Detachable. H. O. Russ. No. 1,119,319; Dec. 1; Gaz. vol. 209; p. 144.
- Wheel-rim flanges, Locking device for vehicle. J. Rosenbaum. No. 1,116,125; Nov. 3; Gaz. vol. 208; p. 226.
- Wheel-rim, Sectional. S. M. Beery. No. 1,090,513; Mar. 17; Gaz. vol. 200; p. 724.
- Wheel-rim, Sectional. B. W. Miller. No. 1,107,092; Aug. 11; Gaz. vol. 205; p. 567.
- Wheel-rim, Vehicle. J. A. Anglada. No. 1,095,770; May 5; Gaz. vol. 202; p. 205.
- Wheel-rim, Vehicle. J. A. Anglada. No. 1,095,771; May 5; Gaz. vol. 202; p. 205.
- Wheel-rim, Vehicle. J. A. Anglada. No. 1,095,772; May 5; Gaz. vol. 202; p. 205.
- Wheel-rim, Vehicle. J. A. Anglada. No. 1,100,815; June 23; Gaz. vol. 203; p. 973.
- Wheel-rim, Vehicle. J. A. Anglada. No. 1,100,861; June 23; Gaz. vol. 203; p. 989.
- Wheel-rim, Vehicle. P. B. Bosworth. No. 1,089,899; Mar. 10; Gaz. vol. 200; p. 468.
- Wheel-rim, Vehicle. J. R. Gammeter. No. 1,088,656; Feb. 24; Gaz. vol. 199; p. 1204.
- Wheel-rim, Vehicle. R. F. Geide. No. 1,089,634; Mar. 10; Gaz. vol. 200; p. 377.
- Wheel-rim, Vehicle. C. W. Gressle. No. 1,112,603; Oct. 6; Gaz. vol. 207; p. 69.
- Wheel-rim, Vehicle. E. H. Koken. No. 1,117,134; Nov. 10; Gaz. vol. 208; p. 620.
- Wheel-rim, Vehicle. T. Midgley. No. 1,098,163; May 26; Gaz. vol. 202; p. 1153.
- Wheel-rim, Vehicle. F. L. Sessions. No. 1,112,568; Oct. 6; Gaz. vol. 207; p. 56.
- Wheel-rim, Vehicle. E. C. Shaw. No. 1,087,467; Feb. 17; Gaz. vol. 199; p. 754.
- Wheel-rim, Vehicle. E. C. Shaw. No. 1,088,843; Mar. 3; Gaz. vol. 200; p. 58.
- Wheel-rim, Vehicle. J. H. Wagenhorst. No. 1,085,772; Feb. 3; Gaz. vol. 199; p. 70.
- Wheel-rim, Vehicle. J. H. Wagenhorst. No. 1,085,773; Feb. 3; Gaz. vol. 199; p. 71.
- Wheel-rim, Vehicle. J. H. Wagenhorst. No. 1,103,637; July 14; Gaz. vol. 204; p. 540.
- Wheel-rim, Vehicle. H. K. Wheelock. No. 1,084,050; Jan. 13; Gaz. vol. 198; p. 293.
- Wheel-rims, Operating device for split. G. W. Wolf. No. 1,111,933; Sept. 29; Gaz. vol. 206; p. 1243.
- Wheel-securing device. A. J. Adams. No. 1,094,046; Apr. 21; Gaz. vol. 201; p. 728.
- Wheel structure. A. B. Day. No. 1,109,905; Sept. 8; Gaz. vol. 206; p. 412.
- Wheel trimmer, Abrasive-. C. M. Lee. No. 1,115,693; Nov. 3; Gaz. vol. 208; p. 78.
- Wheels, Alarm mechanism for pneumatic-tired. M. F. Stadtmuller. No. 1,093,739; Apr. 21; Gaz. vol. 201; p. 627.
- Wheels and dashers, Mounting of dolly-. J. L. Coffield. No. 1,105,546; July 28; Gaz. vol. 204; p. 1292.
- Wheels, and resulting wheel, Making. W. C. and J. W. Johnson. No. 1,108,096; Aug. 18; Gaz. vol. 205; p. 971.
- Wheels, Cutting the teeth of spur gear-. A. Denker. No. 1,115,910; Nov. 3; Gaz. vol. 208; p. 151.
- Wheels, Demountable-rim fastening for vehicle-. C. Kula. No. 1,111,523; Sept. 22; Gaz. vol. 206; p. 1063.
- Wheels, Demountable rim for vehicle-. J. L. Webster. No. 1,111,423; Sept. 22; Gaz. vol. 206; p. 1028.
- Wheels, Emergency-rim for vehicle-. A. Turnbull. No. 1,088,747; Mar. 3; Gaz. vol. 200; p. 26.
- Wheels from holes, Extracting traction-. S. F., and L. H. F. Rohe. No. 1,121,869; Dec. 22; Gaz. vol. 209; p. 1155.

Alphabetical list of inventions—Continued.

- Wheels, Hardening the flanges of cast-steel. J. Stuart. No. 1,102,816; July 7; Gaz. vol. 204; p. 208.
- Wheels, Load-supporting means for carrying. C. L. Hays. No. 1,093,131; Apr. 14; Gaz. vol. 201; p. 381.
- Wheels, Lug for traction-. J. F. Steward. No. 1,114,714; Oct. 27; Gaz. vol. 207; p. 888.
- Wheels, Machine for cutting spherical involute teeth on bevel-. H. Perrot. No. 1,088,174; Feb. 24; Gaz. vol. 199; p. 1045.
- Wheels, Machine for cutting the teeth of spur-. A. Denker. No. 1,115,909; Nov. 3; Gaz. vol. 208; p. 151.
- Wheels, Machine or apparatus for testing worms and worm-. P. Brown and F. J. Bostock. No. 1,122,069; Dec. 22; Gaz. vol. 209; p. 1225.
- Wheels, Making. A. Kortum. No. 1,096,631; May 12; Gaz. vol. 202; p. 532.
- Wheels, Manufacture of. E. H. Archibald. No. 1,098,007; May 26; Gaz. vol. 202; p. 1101.
- Wheels, Manufacturing. W. E. Williams. No. 1,110,092; Sept. 8; Gaz. vol. 206; p. 479.
- Wheels, Means for the detachment of. J. M. Lamb. No. 1,090,865; Mar. 24; Gaz. vol. 200; p. 872.
- Wheels, Mud-shedder for vehicle-. H. G. Newsom. No. 1,085,154; Jan. 27; Gaz. vol. 198; p. 728.
- Wheels, Non-slip attachment for vehicle-. T. J. Clark. No. 1,095,451; May 5; Gaz. vol. 202; p. 95.
- Wheels of road-vehicles, Detachable rim for. A. F. Gunstone. No. 1,083,321; Jan. 6; Gaz. vol. 198; p. 21.
- Wheels, Removable rim attachment for vehicle-. M. Küller. No. 1,088,349; Feb. 24; Gaz. vol. 199; p. 1104.
- Wheels, Removable rim attachment for vehicle-. M. Küller. No. 1,107,080; Aug. 11; Gaz. vol. 205; p. 563.
- Wheels, Traction attachment for vehicle-. J. Vacula. No. 1,117,280; Nov. 17; Gaz. vol. 208; p. 711.
- Wheels, Traction device for. F. W. Grisingher. No. 1,114,983; Oct. 27; Gaz. vol. 207; p. 1036.
- Wheels, Traction device for vehicle-. T. H. Kelly. No. 1,102,274; July 7; Gaz. vol. 204; p. 18.
- Wheels, Traction gripping attachment for. W. J. Matthews. No. 1,091,004; Mar. 24; Gaz. vol. 200; p. 921.
- Wheelbarrow. D. Elterich. No. 1,095,145; Apr. 28; Gaz. vol. 201; p. 1166.
- Wheelbarrow. P. Gnatzig. No. 1,103,759; July 14; Gaz. vol. 204; p. 582.
- Wheelbarrow. R. Schulze. No. 1,095,036; Apr. 28; Gaz. vol. 201; p. 1129.
- Wheelwright apparatus. A. G. Slocum. No. 1,108,803; Aug. 25; Gaz. vol. 205; p. 1262.
- Whiffletree. G. Johnson. No. 1,117,495; Nov. 17; Gaz. vol. 208; p. 787.
- Whiffletree. J. P. Jones. No. 1,087,661; Feb. 17; Gaz. vol. 199; p. 823.
- Whiffletree. H. Rasmussen. No. 1,083,631; Jan. 6; Gaz. vol. 198; p. 123.
- Whiffletree attachment. J. Lee. No. 1,084,644; Jan. 20; Gaz. vol. 198; p. 517.
- Whiffletree-hook. J. M. Fischer. No. 1,112,777; Oct. 6; Gaz. vol. 207; p. 129.
- Whiffletree-hook. J. McClelland. No. 1,119,415; Nov. 17; Gaz. vol. 208; p. 758.
- Whiffletree-hook. F. F. Pinnow. No. 1,097,670; May 20; Gaz. vol. 202; p. 980.
- Whiffletree-hook. G. E. Stephens. No. 1,102,450; July 7; Gaz. vol. 204; p. 80.
- Whiffletree-iron. J. W. Smathers. No. 1,100,922; June 23; Gaz. vol. 203; p. 1011.
- Whip. P. B. Breeden. No. 1,099,013; June 2; Gaz. vol. 203; p. 221.
- Whip-actuating device. G. L. Raguse. No. 1,094,747; Apr. 28; Gaz. vol. 201; p. 1030.
- Whip-hanger. A. C. Drewelow. No. 1,120,182; Dec. 8; Gaz. vol. 209; p. 478.
- Whip-holder. N. H. Coleman. No. 1,100,122; June 16; Gaz. vol. 203; p. 682.
- Whip-holder. J. T. McKeg. No. 1,089,424; Mar. 10; Gaz. vol. 200; p. 302.
- Whip-holder. F. J. Olshefsky and J. J. Reidy. No. 1,110,078; Sept. 8; Gaz. vol. 206; p. 473.
- Whip-holder. F. F. Provan. No. 1,087,825; Feb. 17; Gaz. vol. 199; p. 877.
- Whip-lash handles, Means for securing. G. Barrett. No. 1,119,218; Dec. 1; Gaz. vol. 209; p. 111.
- Whip-lock. S. C. Kearney. No. 1,107,617; Aug. 18; Gaz. vol. 205; p. 804.
- Whip-lock. C. A. Logan. No. 1,120,952; Dec. 15; Gaz. vol. 209; p. 798.
- Whip-manipulator. G. M. Ditto. No. 1,122,263; Dec. 29; Gaz. vol. 209; p. 1330.
- Whip, Mechanical. O. H. Bennett. No. 1,117,546; Nov. 17; Gaz. vol. 208; p. 804.
- Whip-operating device. J. W. Thie. No. 1,112,340; Sept. 29; Gaz. vol. 206; p. 1382.
- Whip-roll-controlling means. F. Lacey. No. 1,118,430; Nov. 24; Gaz. vol. 208; p. 1155.
- Whip-socket. G. H. Bagley. No. 1,094,413; Apr. 28; Gaz. vol. 201; p. 909.
- Whip-socket. J. B. Hostedler. No. 1,087,659; Feb. 17; Gaz. vol. 199; p. 823.
- Whip-socket. H. H. Randall. No. 1,089,961; Mar. 10; Gaz. vol. 200; p. 489.
- Whip-socket. P. Tronrud. No. 1,112,239; Sept. 29; Gaz. vol. 206; p. 1347.
- Whip-socket and line-holder. E. V. Hoffarth. No. 1,084,332; Jan. 13; Gaz. vol. 198; p. 387.
- Whip-socket lock. W. H. Wysong. No. 1,100,812; June 23; Gaz. vol. 203; p. 972.
- Whip-stock lock. S. E. McMillin. No. 1,101,871; June 30; Gaz. vol. 203; p. 1389.
- Whipping device. S. Kvam. No. 1,108,587; Aug. 25; Gaz. vol. 205; p. 1191.
- Whistle. J. J. O'Reilly. No. 1,094,006; Apr. 21; Gaz. vol. 201; p. 716.
- Whistle. R. M. Stuart. No. 1,116,756; Nov. 10; Gaz. vol. 208; p. 488.
- Whistle, Automatic. G. R. Dunn. No. 1,098,943; June 2; Gaz. vol. 203; p. 199.
- Whistle-blowing apparatus, Electric. F. C. McCaffrey. No. 1,086,196; Feb. 3; Gaz. vol. 199; p. 218.
- Whistle or horn. E. W. Schurman. No. 1,085,095; Jan. 20; Gaz. vol. 198; p. 671.
- Wick. H. Ruppel. No. 1,089,966; Mar. 10; Gaz. vol. 200; p. 491.
- Wick-engaging member and manufacturing it. A. J. Blackford. No. 1,085,191; Jan. 27; Gaz. vol. 198; p. 741.
- Wicket. B. Schroer. No. 1,101,338; June 23; Gaz. vol. 203; p. 1154.
- Wig or head-piece for dolls and the like and making the same. A. H. Butler. No. 1,090,198; Mar. 17; Gaz. vol. 200; p. 613.
- Wiggler. R. Cooper. No. 1,109,625; Sept. 1; Gaz. vol. 206; p. 270.
- Winch for motor-vehicles. N. A. Richards. No. 1,098,762; June 2; Gaz. vol. 203; p. 138.
- Winch stop mechanism. R. S. Riley. No. 1,117,910; Nov. 17; Gaz. vol. 208; p. 931.
- Wind, Apparatus for indicating the direction of the. G. T. Richardson. No. 1,117,907; Nov. 17; Gaz. vol. 208; p. 930.
- Wind-guard or storm-shield. R. Reininger. No. 1,115,571; Nov. 3; Gaz. vol. 208; p. 35.
- Wind instrument. Wood. N. Alberti. No. 1,103,462; July 14; Gaz. vol. 204; p. 476.
- Wind instrument. Wood. N. Alberti. No. 1,103,555; July 14; Gaz. vol. 204; p. 508.
- Wind-motor. L. Zeman. No. 1,088,250; Feb. 24; Gaz. vol. 199; p. 1071.
- Wind-shield. P. De Anguera, Jr. No. 1,085,113; Jan. 27; Gaz. vol. 198; p. 713.
- Wind-shield. R. A. Brine. No. 1,087,104; Feb. 17; Gaz. vol. 199; p. 626.
- Wind-shield. E. S. Brower. No. 1,109,197; Sept. 1; Gaz. vol. 206; p. 121.
- Wind-shield. C. R. Clark. No. 1,093,974; Apr. 21; Gaz. vol. 201; p. 704.
- Wind-shield. F. J. Falter. No. 1,083,276; Jan. 6; Gaz. vol. 198; p. 5.
- Wind-shield. C. F. Green. No. 1,119,505; Dec. 1; Gaz. vol. 209; p. 209.
- Wind-shield. C. F. Hammon. No. 1,116,267; Nov. 3; Gaz. vol. 208; p. 272.
- Wind-shield cleaner. C. J. Heineman. No. 1,112,793; Oct. 6; Gaz. vol. 207; p. 134.
- Wind-shield. M. D. Maremont. No. 1,085,281; Jan. 27; Gaz. vol. 198; p. 773.
- Wind-shield. W. H. Thoeming. No. 1,123,150; Dec. 29; Gaz. vol. 209; p. 1639.
- Wind-shield. M. Tibbetts. No. 1,120,863; Dec. 15; Gaz. vol. 209; p. 766.
- Wind-shield. E. Van Buren. No. 1,111,980; Sept. 29; Gaz. vol. 206; p. 1257.
- Wind-shield-adjusting device. T. L. Cowles. No. 1,100,287; June 16; Gaz. vol. 203; p. 739.
- Wind-shield-adjusting device. W. F. Roper. No. 1,106,892; Aug. 11; Gaz. vol. 205; p. 500.
- Wind-shield and the like attachment. B. H. Krafft. No. 1,119,177; Dec. 1; Gaz. vol. 209; p. 97.
- Wind-shield joint. N. Sturdevant. No. 1,107,863; Aug. 18; Gaz. vol. 205; p. 890.
- Wind-shield mounting. P. N. Landine. No. 1,122,509; Dec. 29; Gaz. vol. 209; p. 1411.
- Wind-shield-ventilating device. G. M. Scott. No. 1,106,849; Aug. 11; Gaz. vol. 205; p. 486.
- Wind-shields, Joint or hinge for. E. L. Ackerman. No. 1,121,576; Dec. 15; Gaz. vol. 209; p. 1015.
- Wind-shields on motor-vehicles. Appliance for cleaning. H. P. von Preussen. No. 1,095,468; May 5; Gaz. vol. 202; p. 102.
- Wind-wheel. J. W. Houtz. No. 1,099,602; June 9; Gaz. vol. 203; p. 466.
- Wind-wheel. L. A. Payton. No. 1,093,881; Apr. 21; Gaz. vol. 201; p. 674.
- Windmill. W. P. Brett. No. 1,105,020; July 28; Gaz. vol. 204; p. 1106.
- Windmill. J. T. Garton. No. 1,087,756; Feb. 17; Gaz. vol. 199; p. 854.
- Windmill. S. S. Harper. No. 1,096,033; May 12; Gaz. vol. 202; p. 328.
- Windmill. S. S. Harper. No. 1,118,343; Nov. 24; Gaz. vol. 208; p. 1123.

Alphabetical list of inventions—Continued.

- Windmill. W. Hayward. No. 1,101,543; June 30; Gaz. vol. 203; p. 1276.
- Windmill. T. W. Henning. No. 1,115,313; Oct. 27; Gaz. vol. 207; p. 1153.
- Windmill. A. C. Krueger. No. 1,093,862; Apr. 21; Gaz. vol. 201; p. 667.
- Windmill. C. L. Lonsinger. No. 1,110,951; Sept. 15; Gaz. vol. 206; p. 823.
- Windmill. J. B. Smith. No. 1,100,332; June 16; Gaz. vol. 203; p. 754.
- Windmill power plant. W. P. Brett. No. 1,105,021; July 28; Gaz. vol. 204; p. 1107.
- Windmill power plant. A. H. Heyroth. No. 1,114,759; Oct. 27; Gaz. vol. 207; p. 957.
- Windmill-regulator. W. C. Hamblin. No. 1,122,386; Dec. 29; Gaz. vol. 209; p. 1370.
- Windmill-regulator. W. A. Milroy. No. 1,122,976; Dec. 29; Gaz. vol. 209; p. 1577.
- Windmill-wheel. C. O. Mason. No. 1,089,239; Mar. 3; Gaz. vol. 200; p. 194.
- Windmills. Power-adjuster for. J. Hopkins. No. 1,087,881; Feb. 17; Gaz. vol. 199; p. 895.
- Winder. H. D. Colman. No. 1,105,065; July 28; Gaz. vol. 204; p. 1123.
- Winder, Copr. J. F. MacWilliam. No. 1,105,151; July 28; Gaz. vol. 204; p. 1151.
- Winders and the like, Safety device for lap-. L. W. Penney. No. 1,122,631; Dec. 29; Gaz. vol. 209; p. 1455.
- Winding and haulage drum. C. Davenport. No. 1,110,313; Sept. 15; Gaz. vol. 206; p. 596.
- Winding and setting mechanism. W. K. Menns. No. 1,099,307; June 9; Gaz. vol. 203; p. 363.
- Winding-drum. P. H. Voigt and O. C. Kuehne. No. 1,111,333; Sept. 22; Gaz. vol. 206; p. 997.
- Winding fabrics, Stock-shell for. W. F. Gammeter. No. 1,104,296; July 21; Gaz. vol. 204; p. 807.
- Winding-gear. Automatic stop for. J. F. Staley. No. 1,095,294; May 5; Gaz. vol. 202; p. 42.
- Winding-indicator. J. Mazer. No. 1,108,508; Aug. 25; Gaz. vol. 205; p. 1162.
- Winding-indicator. J. Mazer. No. 1,108,509; Aug. 25; Gaz. vol. 205; p. 1163.
- Winding-indicator. J. Mazer. No. 1,108,510; Aug. 25; Gaz. vol. 205; p. 1163.
- Winding-machine. J. B. Bolton. No. 1,087,433; Feb. 17; Gaz. vol. 199; p. 741.
- Winding-machine. A. I. Harvey and W. Marcroft. No. 1,087,367; Feb. 17; Gaz. vol. 199; p. 718.
- Winding-machine. A. I. Harvey and W. Marcroft. No. 1,087,368; Feb. 17; Gaz. vol. 199; p. 718.
- Winding-machine. A. Petersen. No. 1,105,453; July 28; Gaz. vol. 204; p. 1261.
- Winding-machine. F. S. Rand. No. 1,088,367; Feb. 24; Gaz. vol. 199; p. 111.
- Winding-machine. H. E. Smith. No. 1,104,840; July 28; Gaz. vol. 204; p. 1045.
- Winding-machine. C. B. Snell. No. 1,084,371; Jan. 13; Gaz. vol. 198; p. 399.
- Winding-machine. B. R. Varley. No. 1,102,369; July 7; Gaz. vol. 204; p. 51.
- Winding-machine. S. W. Wardwell. No. 1,093,900; Apr. 21; Gaz. vol. 201; p. 680.
- Winding-machine. S. W. Wardwell. No. 1,118,603; Nov. 24; Gaz. vol. 208; p. 1216.
- Winding-machine. S. W. Wardwell. No. 1,118,604; Nov. 24; Gaz. vol. 208; p. 1216.
- Winding machine and tension control. Thread-. C. E. Chaffin. No. 1,100,355; June 16; Gaz. vol. 203; p. 763.
- Winding-machine. Ribbon-. W. Lytton. No. 1,114,779; Oct. 27; Gaz. vol. 207; p. 964.
- Winding-machine, Semi-automatic. A. H. Adams. No. 1,117,620; Nov. 17; Gaz. vol. 208; p. 829.
- Winding-machine tension device. F. S. Rand. No. 1,089,790; Mar. 10; Gaz. vol. 200; p. 430.
- Winding machine. Yarn-. J. Brooks. No. 1,120,438; Dec. 8; Gaz. vol. 209; p. 570.
- Winding machine, Yarn-. J. W. Morrison. No. 1,117,222; Nov. 17; Gaz. vol. 208; p. 690.
- Winding-machines. Bunch-building attachment for. W. Marcroft. No. 1,084,459; Jan. 13; Gaz. vol. 198; p. 426.
- Winding means. C. F. Pease. No. 1,102,353; July 7; Gaz. vol. 204; p. 46.
- Winding mechanism. E. J. Lipps. No. 1,103,676; July 14; Gaz. vol. 204; p. 555.
- Winding mechanism, Apparatus for feeding fabric to. F. F. Brucker. No. 1,121,793; Dec. 22; Gaz. vol. 209; p. 1126.
- Windlass. M. S. Schwinnen. No. 1,101,473; June 23; Gaz. vol. 203; p. 1201.
- Windlass for vessels, Combination. J. A. Watt. No. 1,084,511; Jan. 13; Gaz. vol. 198; p. 442.
- Window. J. R. Boileau. No. 1,098,218; May 26; Gaz. vol. 202; p. 1172.
- Window. D. A. Davison. No. 1,117,954; Nov. 17; Gaz. vol. 208; p. 947.
- Window. G. H. Forsyth. No. 1,086,284; Feb. 3; Gaz. vol. 199; p. 246.
- Window. G. H. Forsyth. No. 1,086,321; Feb. 3; Gaz. vol. 199; p. 257.
- Window. F. Hauser. No. 1,114,260; Oct. 20; Gaz. vol. 207; p. 730.
- Window. E. Héroux. No. 1,085,682; Feb. 3; Gaz. vol. 199; p. 37.
- Window. E. Héroux. No. 1,085,683; Feb. 3; Gaz. vol. 199; p. 37.
- Window. E. Héroux. No. 1,087,014; Feb. 10; Gaz. vol. 199; p. 543.
- Window. W. Hook. No. 1,090,715; Mar. 17; Gaz. vol. 200; p. 790.
- Window. J. M. Jones. No. 1,099,053; June 2; Gaz. vol. 203; p. 234.
- Window. G. Kahn. No. 1,101,187; June 23; Gaz. vol. 203; p. 1103.
- Window. J. L. Kail. No. 1,112,623; Oct. 6; Gaz. vol. 207; p. 76.
- Window. J. Kiefer. No. 1,095,642; May 5; Gaz. vol. 202; p. 160.
- Window. C. D. Koons. No. 1,110,498; Sept. 15; Gaz. vol. 206; p. 663.
- Window. M. Lande. No. 1,110,064; Sept. 8; Gaz. vol. 206; p. 468.
- Window. W. G. Lawrence. No. 1,109,769; Sept. 8; Gaz. vol. 206; p. 363.
- Window. A. H. Newpher. No. 1,096,556; May 12; Gaz. vol. 202; p. 506.
- Window. J. B. Pearson. No. 1,107,102; Aug. 11; Gaz. vol. 205; p. 570.
- Window. J. Pethick. No. 1,087,913; Feb. 17; Gaz. vol. 199; p. 907.
- Window. F. L. Richards and A. H. Shull. No. 1,111,323; Sept. 22; Gaz. vol. 206; p. 993.
- Window. T. J. Roussel. No. 1,110,717; Sept. 15; Gaz. vol. 206; p. 741.
- Window. C. T. Salvesen. No. 1,107,450; Aug. 18; Gaz. vol. 205; p. 745.
- Window. D. N. Sire. No. 1,104,940; July 28; Gaz. vol. 204; p. 1080.
- Window. M. Smith. No. 1,089,087; Mar. 3; Gaz. vol. 200; p. 141.
- Window. E. and L. H. Stanecky. No. 1,113,502; Oct. 13; Gaz. vol. 207; p. 425.
- Window. L. Stolper. No. 1,098,695; June 2; Gaz. vol. 203; p. 116.
- Window. E. H. Ullner. No. 1,116,767; Nov. 10; Gaz. vol. 208; p. 492.
- Window. J. Weber. No. 1,119,482; Dec. 1; Gaz. vol. 209; p. 201.
- Window adjuster, Casement-. R. C. Spencer, Jr. No. 1,112,393; Sept. 29; Gaz. vol. 206; p. 1401.
- Window and door. W. E. Scott. No. 1,094,025; Apr. 21; Gaz. vol. 201; p. 722.
- Window and door locking device, Double French glazed. B. Rütli. No. 1,119,194; Dec. 1; Gaz. vol. 209; p. 103.
- Window and door screen. S. Downs. No. 1,098,618; June 2; Gaz. vol. 203; p. 90.
- Window and door screen. C. G. Scilligo. No. 1,118,588; Nov. 24; Gaz. vol. 208; p. 1210.
- Window and frame therefor. J. Schebora. No. 1,109,253; Sept. 1; Gaz. vol. 206; p. 141.
- Window and wall cleaning machine. J. Bildir. No. 1,119,339; Dec. 1; Gaz. vol. 209; p. 151.
- Window antirattler and sash-adjuster. H. W. Illenberger. No. 1,105,438; July 28; Gaz. vol. 204; p. 1255.
- Window attachment. W. Potter. No. 1,103,376; July 14; Gaz. vol. 204; p. 447.
- Window-box for flowers. T. P. Bolger. No. 1,116,227; Nov. 3; Gaz. vol. 208; p. 260.
- Window-came. F. Recht. No. 1,092,784; Apr. 7; Gaz. vol. 201; p. 227.
- Window-cames and the like, Machine for ornamenting. A. H. Wallis. No. 1,088,308; Feb. 24; Gaz. vol. 199; p. 1091.
- Window-catch. H. Holland. No. 1,097,228; May 19; Gaz. vol. 202; p. 783.
- Window-chair, Safety. N. Scicchitani. No. 1,098,127; May 26; Gaz. vol. 202; p. 1141.
- Window-cleaner. A. J. Fish. No. 1,088,653; Feb. 24; Gaz. vol. 199; p. 1203.
- Window-cleaner. E. Goodwin. No. 1,111,575; Sept. 22; Gaz. vol. 206; p. 1081.
- Window-cleaner. F. N. Lovejoy and G. P. Kaiser. No. 1,097,179; May 19; Gaz. vol. 202; p. 765.
- Window-cleaner. M. J. Milz. No. 1,087,600; Feb. 17; Gaz. vol. 199; p. 800.
- Window-cleaner. R. Osaka. No. 1,117,895; Nov. 17; Gaz. vol. 208; p. 927.
- Window-cleaner. E. E. Shipley. No. 1,120,094; Dec. 8; Gaz. vol. 209; p. 446.
- Window-cleaner. L. Sonderegger. No. 1,104,565; July 21; Gaz. vol. 204; p. 903.
- Window-cleaner. J. M. Tanner. No. 1,122,438; Dec. 29; Gaz. vol. 209; p. 1387.
- Window-cleaning apparatus, Hydropneumatic. C. C. De Witt. No. 1,114,592; Oct. 20; Gaz. vol. 207; p. 846.
- Window-cleaning device. I. J. Martin. No. 1,086,380; Feb. 10; Gaz. vol. 199; p. 324.
- Window-cleaning device. M. E. Pugh. No. 1,113,165; Oct. 6; Gaz. vol. 207; p. 260.

Alphabetical list of inventions—Continued.

- Window-cleaning device. S. S. Sigel and A. W. Johnson. No. 1,108,258; Aug. 25; Gaz. vol. 205; p. 1075.
- Window-cleaning device. W. J. Starn. No. 1,083,342; Jan. 6; Gaz. vol. 198; p. 28.
- Window-cleaning device. J. J. Tracy. No. 1,099,143; June 2; Gaz. vol. 203; p. 263.
- Window-cleaning platform. H. Bottjer. No. 1,088,525; Feb. 24; Gaz. vol. 199; p. 1162.
- Window-clip. D. C. Briggs. No. 1,115,894; Nov. 3; Gaz. vol. 208; p. 145.
- Window-clip. D. C. Briggs and J. G. Rumney. No. 1,101,832; June 30; Gaz. vol. 203; p. 1375.
- Window-closures, Automatic fastener for. D. L. Norman. No. 1,098,832; June 2; Gaz. vol. 203; p. 160.
- Window construction. H. M. Dawley. No. 1,115,056; Oct. 27; Gaz. vol. 207; p. 1063.
- Window construction. W. Faulhaber. No. 1,119,587; Dec. 1; Gaz. vol. 209; p. 238.
- Window construction. G. H. Forsyth. No. 1,086,317; Feb. 3; Gaz. vol. 199; p. 256.
- Window construction. G. H. Forsyth. No. 1,086,318; Feb. 3; Gaz. vol. 199; p. 256.
- Window construction. G. H. Forsyth. No. 1,086,319; Feb. 3; Gaz. vol. 199; p. 256.
- Window construction. G. H. Forsyth. No. 1,086,320; Feb. 3; Gaz. vol. 199; p. 257.
- Window construction. C. W. Renner. No. 1,111,547; Sept. 22; Gaz. vol. 206; p. 1070.
- Window construction, Metal. G. H. Forsyth. No. 1,113,157; Oct. 6; Gaz. vol. 207; p. 257.
- Window construction, Metal. A. Fromhold. No. 1,096,294; May 12; Gaz. vol. 202; p. 418.
- Window construction, Metal. A. Fromhold. No. 1,096,295; May 12; Gaz. vol. 202; p. 419.
- Window. Disappearing screen-. C. E. Somers. No. 1,110,581; Sept. 15; Gaz. vol. 206; p. 692.
- Window drapery-support. G. Horváth. No. 1,106,308; Aug. 4; Gaz. vol. 205; p. 249.
- Window-envelop blanks, Machine for making. W. H. Banzett. No. 1,104,162; July 21; Gaz. vol. 204; p. 761.
- Window-envelop blanks, Machine for making. M. Vierengel. No. 1,104,026; July 21; Gaz. vol. 204; p. 714.
- Window-fastener. L. Bauer. No. 1,093,595; Apr. 21; Gaz. vol. 201; p. 576.
- Window-fastener. W. Mangin. No. 1,101,944; June 30; Gaz. vol. 203; p. 1417.
- Window-fastener. D. L. McCorkindale. No. 1,101,867; June 30; Gaz. vol. 203; p. 1388.
- Window-fastener. F. H. Newcomb. No. 1,094,862; Apr. 28; Gaz. vol. 201; p. 1069.
- Window-fixture. E. A. Hatch. No. 1,119,695; Dec. 1; Gaz. vol. 209; p. 274.
- Window-fixture. O. J. Heath. No. 1,111,067; Sept. 22; Gaz. vol. 206; p. 906.
- Window-fixture. J. A. Weber. No. 1,096,476; May 12; Gaz. vol. 202; p. 480.
- Window-frame. M. Evenson. No. 1,107,504; Aug. 18; Gaz. vol. 205; p. 764.
- Window-frame. S. L. Markham. No. 1,116,828; Nov. 10; Gaz. vol. 208; p. 514.
- Window-frame. W. Schäfer. No. 1,088,376; Feb. 24; Gaz. vol. 199; p. 1113.
- Window frame and sashes. E. R. Leonard. No. 1,099,184; June 9; Gaz. vol. 203; p. 322.
- Window-frames, &c., Machine for cutting weight-pockets in. F. H. and C. D. Weeks. No. 1,083,473; Jan. 6; Gaz. vol. 198; p. 72.
- Window-gate. J. Dick. No. 1,092,247; Apr. 7; Gaz. vol. 201; p. 42.
- Window-guard. B. Franklin. No. 1,110,678; Sept. 15; Gaz. vol. 206; p. 728.
- Window-guard. B. Sakren. No. 1,095,422; May 5; Gaz. vol. 202; p. 85.
- Window-holder. A. A. Miller. No. 1,094,234; Apr. 21; Gaz. vol. 201; p. 791.
- Window holder and fastener. M. L. Gall. No. 1,091,208; Mar. 24; Gaz. vol. 200; p. 993.
- Window-lift. W. J. Hester. No. 1,102,506; July 7; Gaz. vol. 204; p. 99.
- Window-lifter, Automatic. G. M. Crismon. No. 1,121,230; Dec. 15; Gaz. vol. 209; p. 896.
- Window-lock. J. C. Crowley. No. 1,092,825; Apr. 14; Gaz. vol. 201; p. 276.
- Window-lock. E. P. Davis. No. 1,114,867; Oct. 27; Gaz. vol. 207; p. 995.
- Window-lock. G. T. Segee. No. 1,104,558; July 21; Gaz. vol. 204; p. 901.
- Window-lock. M. J. Sternberg. No. 1,103,629; July 14; Gaz. vol. 204; p. 537.
- Window lock and adjuster, Combined. W. D. Dreiske. No. 1,104,973; July 28; Gaz. vol. 204; p. 1091.
- Window-lock, Burglar-alarm. L. L. Grove. No. 1,120,613; Dec. 8; Gaz. vol. 209; p. 632.
- Window lock, Sliding-. C. W. Antill and W. L. Schmolle. No. 1,116,531; Nov. 10; Gaz. vol. 208; p. 405.
- Window, Metal-frame. O. H. Iman. No. 1,086,533; Feb. 10; Gaz. vol. 199; p. 378.
- Window, Metallic. M. Smith. No. 1,101,216; June 23; Gaz. vol. 203; p. 1114.
- Window, Metallic. M. P. Watkins. No. 1,098,652; June 2; Gaz. vol. 203; p. 101.
- Window-operating device. J. Dawson. No. 1,101,257; June 23; Gaz. vol. 203; p. 1127.
- Window-operating device. A. H. Holmes and W. D. C. Wright. No. 1,117,575; Nov. 17; Gaz. vol. 208; p. 814.
- Window-operating device, Casement-. W. S. Odle. No. 1,103,218; July 14; Gaz. vol. 204; p. 395.
- Window-operating means. E. E. Sweet. No. 1,098,414; June 2; Gaz. vol. 203; p. 20.
- Window-operating mechanism. R. A. Lackey. No. 1,112,072; Sept. 29; Gaz. vol. 206; p. 1288.
- Window-operating mechanism. R. A. Lackey. No. 1,112,073; Sept. 29; Gaz. vol. 206; p. 1288.
- Window-operating mechanism, Casement-. J. N. Watson. No. 1,090,259; Mar. 17; Gaz. vol. 200; p. 634.
- Window-operator. L. W. Gates. No. 1,109,574; Sept. 1; Gaz. vol. 206; p. 250.
- Window operator, Casement-. L. B. Smyser. No. 1,095,682; May 5; Gaz. vol. 202; p. 174.
- Window-pane fastener. E. J. Davies. No. 1,036,280; Feb. 3; Gaz. vol. 199; p. 245.
- Window, Pivoted. A. Schrafft. No. 1,102,202; June 30; Gaz. vol. 203; p. 1508.
- Window, Pivoted. S. Viragh. No. 1,115,753; Nov. 3; Gaz. vol. 208; p. 97.
- Window, Pivoted and sliding. A. W. Eckberg and C. Stohlberg. No. 1,103,276; July 14; Gaz. vol. 204; p. 415.
- Window. Pivoted sliding. M. Haberle. No. 1,120,053; Dec. 8; Gaz. vol. 209; p. 433.
- Window-platform. J. M. Scholey. No. 1,089,871; Mar. 10; Gaz. vol. 200; p. 458.
- Window provision-box. E. Von Vargyas and L. Bartók. No. 1,084,770; Jan. 20; Gaz. vol. 198; p. 562.
- Window, Puttyless. W. S. Goodland and G. Bahnemann. No. 1,114,467; Oct. 20; Gaz. vol. 207; p. 804.
- Window rain-shield. C. E. Martin. No. 1,116,602; Nov. 10; Gaz. vol. 208; p. 433.
- Window raising and lowering device. G. Carter. No. 1,089,531; Mar. 10; Gaz. vol. 200; p. 343.
- Window, Roof-. C. J. Allen. No. 1,112,401; Sept. 29; Gaz. vol. 206; p. 1404.
- Window, Sash-. B. J. Brownjohn. No. 1,097,524; May 19; Gaz. vol. 202; p. 884.
- Window-screen. F. Ahlstrom and J. F. Oelerich. No. 1,102,995; July 7; Gaz. vol. 204; p. 267.
- Window-screen. H. Backstrom. No. 1,112,590; Oct. 6; Gaz. vol. 207; p. 65.
- Window-screen. G. F. Born. No. 1,110,036; Sept. 8; Gaz. vol. 206; p. 459.
- Window-screen. C. E. Bower. No. 1,087,714; Feb. 17; Gaz. vol. 199; p. 841.
- Window-screen. C. C. Boykin. No. 1,117,941; Nov. 17; Gaz. vol. 208; p. 942.
- Window-screen. G. H. Davis. No. 1,121,898; Dec. 22; Gaz. vol. 209; p. 1164.
- Window-screen. T. Grzywnski. No. 1,117,838; Nov. 17; Gaz. vol. 208; p. 908.
- Window-screen. H. Higgin. No. 1,092,442; Apr. 7; Gaz. vol. 201; p. 111.
- Window-screen. H. F. Latimer. No. 1,110,500; Sept. 15; Gaz. vol. 206; p. 664.
- Window-screen. D. U. McCormick. No. 1,099,263; June 9; Gaz. vol. 203; p. 349.
- Window-screen. J. Nye. No. 1,119,863; Dec. 8; Gaz. vol. 209; p. 366.
- Window-screen. A. E. Paddison. No. 1,097,140; May 19; Gaz. vol. 202; p. 752.
- Window-screen. D. D. Pinkham. No. 1,120,333; Dec. 8; Gaz. vol. 209; p. 532.
- Window-screen. W. S. Price. No. 1,086,616; Feb. 10; Gaz. vol. 199; p. 408.
- Window-screen. F. E. Schoenberg. No. 1,092,457; Apr. 7; Gaz. vol. 201; p. 116.
- Window-screen. J. Schummer. No. 1,087,610; Feb. 17; Gaz. vol. 199; p. 803.
- Window-screen. J. C. Smith. No. 1,102,094; June 30; Gaz. vol. 203; p. 1469.
- Window-screen. E. Stein. No. 1,104,151; July 21; Gaz. vol. 204; p. 757.
- Window-screen. R. B. Swart. No. 1,100,665; June 16; Gaz. vol. 203; p. 865.
- Window-screen. P. Vincent. No. 1,107,385; Aug. 18; Gaz. vol. 205; p. 721.
- Window-screen. H. C. Wolf. No. 1,099,003; June 2; Gaz. vol. 203; p. 219.
- Window-screen, Adjustable. A. J. Bauer. No. 1,120,361; Dec. 8; Gaz. vol. 209; p. 542.
- Window-screen, Adjustable. H. W. Hunsberger. No. 1,121,504; Dec. 15; Gaz. vol. 209; p. 989.
- Window-screen, Adjustable steel. F. M. Jones. No. 1,093,272; Apr. 14; Gaz. vol. 201; p. 430.
- Window-screen and fly-trap, Combination. G. W. O'Bryan. No. 1,092,505; Apr. 7; Gaz. vol. 201; p. 132.
- Window-screen and storm-sash. J. W. Arthur. No. 1,116,783; Nov. 10; Gaz. vol. 208; p. 498.
- Window screen and ventilator, Combined. S. W. Decker. No. 1,116,248; Nov. 3; Gaz. vol. 208; p. 266.

Alphabetical list of inventions—Continued.

- Window screen and ventilator for buildings, Combined in visible. D. W. Anderson. No. 1,113,179; Oct. 13; Gaz. vol. 207; p. 367.
- Window-screen-attaching device. E. H. Jeeves. No. 1,120,390; Dec. 8; Gaz. vol. 209; p. 552.
- Window-screen attachment. C. J. Jackson. No. 1,117,390; Nov. 17; Gaz. vol. 208; p. 750.
- Window-screen attachment. E. H. Jeeves. No. 1,120,389; Dec. 8; Gaz. vol. 209; p. 552.
- Window-screen, Automatic. M. G. Bunnell. No. 1,115,499; Nov. 3; Gaz. vol. 208; p. 11.
- Window-screen, Metal. W. C. Sennett. No. 1,116,501; Nov. 10; Gaz. vol. 208; p. 395.
- Window-screen, Roller. G. B. Thorpe. No. 1,091,095; Mar. 24; Gaz. vol. 200; p. 953.
- Window-screen, Rolling. N. Bois. No. 1,113,095; Oct. 6; Gaz. vol. 207; p. 235.
- Window-screens and screen-doors, Fly-escape for. R. Calvert and R. Engle. No. 1,116,991; Nov. 10; Gaz. vol. 208; p. 570.
- Window-shield. F. Parker. No. 1,108,613; Aug. 25; Gaz. vol. 205; p. 1199.
- Window, Sliding. O. Oehring. No. 1,092,945; Apr. 14; Gaz. vol. 201; p. 317.
- Window, Sliding and swinging. W. B. Gates. No. 1,099,696; June 9; Gaz. vol. 203; p. 500.
- Window, Sliding and swinging sash. B. J. Brownjohn and T. J. Denny. No. 1,092,473; Apr. 7; Gaz. vol. 201; p. 122.
- Window, Sliding casement. W. Venske. No. 1,110,841; Sept. 15; Gaz. vol. 206; p. 783.
- Window-stop lock. E. E. Kilmer. No. 1,087,449; Feb. 17; Gaz. vol. 199; p. 748.
- Window, Storm-. C. Singer. No. 1,111,621; Sept. 22; Gaz. vol. 206; p. 1096.
- Window, Swinging-sash. H. L. Williams. No. 1,114,836; Oct. 27; Gaz. vol. 207; p. 985.
- Window, Vehicle-. J. T. Allmand. No. 1,107,189; Aug. 11; Gaz. vol. 205; p. 603.
- Window ventilating attachment. T. H. Garland. No. 1,121,241; Dec. 15; Gaz. vol. 209; p. 898.
- Window-ventilator. A. O. Bohem. No. 1,116,226; Nov. 3; Gaz. vol. 208; p. 260.
- Window-ventilator. R. L. Eggleston. No. 1,102,023; June 30; Gaz. vol. 203; p. 1446.
- Window-ventilator. N. Friedman. No. 1,089,544; Mar. 10; Gaz. vol. 200; p. 347.
- Window-ventilator. J. M. Himes. No. 1,093,415; Apr. 14; Gaz. vol. 201; p. 478.
- Window-ventilator. A. W. Kurz. No. 1,119,288; Dec. 1; Gaz. vol. 209; p. 133.
- Window-ventilator. G. K. and A. A. Larson. No. 1,108,505; Aug. 25; Gaz. vol. 205; p. 1161.
- Window-ventilator. A. Maeulen. No. 1,100,678; June 16; Gaz. vol. 203; p. 869.
- Window-ventilator. D. Schafer. No. 1,091,769; Mar. 31; Gaz. vol. 200; p. 1225.
- Window-ventilator. M. L. Weaver. No. 1,100,640; June 16; Gaz. vol. 203; p. 857.
- Window, Ventilator-. G. B. Roberts. No. 1,102,955; July 7; Gaz. vol. 204; p. 254.
- Window-ventilator, Adjustable. O. B. Lofstedt. No. 1,085,214; Jan. 27; Gaz. vol. 198; p. 749.
- Window ventilator, Storm-. A. Hoersch. No. 1,105,784; Aug. 4; Gaz. vol. 205; p. 69.
- Window weather-guard. A. H. Newpher. No. 1,096,557; May 12; Gaz. vol. 202; p. 506.
- Windows, Adjustable holder for casement-. L. Bukowski. No. 1,108,549; Aug. 25; Gaz. vol. 205; p. 1177.
- Windows and screens, Hanger for. F. E. Reed. No. 1,087,551; Feb. 17; Gaz. vol. 199; p. 783.
- Windows and the like, Hanging for. E. F. Stiner. No. 1,088,042; Feb. 24; Gaz. vol. 199; p. 1000.
- Windows and the like, Lookout device for. J. Chidley. No. 1,102,320; July 7; Gaz. vol. 204; p. 34.
- Windows, Parting-strip for. E. E. Kilmer. No. 1,123,196; Dec. 29; Gaz. vol. 209; p. 1656.
- Windows, Positioning device for. J. B. Glowacki. No. 1,085,332; Jan. 27; Gaz. vol. 198; p. 790.
- Windows, Reflecting device for show-. D. A. Milne. No. 1,099,462; June 9; Gaz. vol. 203; p. 418.
- Windows, Screened frame for ventilating-. A. G. Frubling. No. 1,091,743; Mar. 31; Gaz. vol. 200; p. 1215.
- Windowing and bunching machine. A. J. Tingley and G. Gould. No. 1,119,475; Dec. 1; Gaz. vol. 209; p. 198.
- Wines, liquors, and other vegetable extracts, Clarifying, aging, and refining. E. Monti. No. 1,108,777; Aug. 25; Gaz. vol. 205; p. 1253.
- Wings, fins, or the like, Controlling apparatus for. H. Hassenbach. No. 1,116,273; Nov. 3; Gaz. vol. 208; p. 274.
- Winnowing-machines, Blast-distributor for. F. F. Landis. No. 1,089,062; Mar. 3; Gaz. vol. 200; p. 132.
- Wire and cable stretching device. J. S. Clarke. No. 1,094,979; Apr. 28; Gaz. vol. 201; p. 1111.
- Wire, Apparatus for electrolytic production of. W. E. Gibbs. No. 1,120,191; Dec. 8; Gaz. vol. 209; p. 482.
- Wire applying and twisting implement. J. E. Langley. No. 1,087,787; Feb. 17; Gaz. vol. 199; p. 865.
- Wire basket. H. T. Beatty and A. Reese. No. 1,104,096; July 21; Gaz. vol. 204; p. 739.
- Wire bed-bottom fabric. F. P. Dooley. No. 1,105,262; July 28; Gaz. vol. 204; p. 1191.
- Wire-bending machine. J. R. Dean. No. 1,113,104; Oct. 6; Gaz. vol. 207; p. 238.
- Wire-bound box. A. Sturrock. No. 1,086,241; Feb. 3; Gaz. vol. 199; p. 233.
- Wire-clamp. W. D. Henderson. No. 1,097,319; May 19; Gaz. vol. 202; p. 816.
- Wire-clamp. L. Mallory. No. 1,107,684; Aug. 18; Gaz. vol. 205; p. 828.
- Wire-clamp. J. E. Peckenpaugh. No. 1,103,157; July 14; Gaz. vol. 204; p. 374.
- Wire-clamp. R. H. Uhrbrock. No. 1,103,711; July 14; Gaz. vol. 204; p. 567.
- Wire-clamp or analogous device. K. Nurlan. No. 1,087,973; Feb. 24; Gaz. vol. 199; p. 976.
- Wire clamp, Woven-. J. H. Matthews. No. 1,095,997; May 5; Gaz. vol. 202; p. 279.
- Wire clamp, Woven-. G. B. Persons. No. 1,095,025; Apr. 28; Gaz. vol. 201; p. 1126.
- Wire clip, Spring. E. Fuller. No. 1,117,560; Nov. 17; Gaz. vol. 208; p. 809.
- Wire-coiling machine. K. Rolle. No. 1,097,769; May 26; Gaz. vol. 202; p. 1015.
- Wire-connector. E. C. Barnes, E. T. Hagist, and G. Nell. No. 1,102,126; June 30; Gaz. vol. 203; p. 1481.
- Wire-connector. W. G. Cady. No. 1,093,972; Apr. 21; Gaz. vol. 201; p. 703.
- Wire-connector. G. C. Knauff. No. 1,101,939; June 30; Gaz. vol. 203; p. 1414.
- Wire-connector. G. S. Wills. No. 1,106,855; Aug. 11; Gaz. vol. 205; p. 488.
- Wire couch fabric. C. H. Gail. No. 1,087,755; Feb. 17; Gaz. vol. 199; p. 854.
- Wire-covering machines, Rotary asbestos-applier for. H. L. Owen. No. 1,098,050; May 26; Gaz. vol. 202; p. 1115.
- Wire-cutting device. J. T. Ople. No. 1,115,097; Oct. 27; Gaz. vol. 207; p. 1078.
- Wire-drawing appliance. H. F. Humphrey. No. 1,114,616; Oct. 20; Gaz. vol. 207; p. 853.
- Wire-drawing appliance. J. H. Reece. No. 1,084,110; Jan. 13; Gaz. vol. 198; p. 312.
- Wire-drawing block. E. H. Carroll. No. 1,085,664; Feb. 3; Gaz. vol. 199; p. 30.
- Wire-drawing machine. G. Feczko. No. 1,095,320; May 5; Gaz. vol. 202; p. 50.
- Wire-drawing machine. R. L. Morgan. No. 1,103,609; July 14; Gaz. vol. 204; p. 530.
- Wire-drawing machine. W. H. Morse. No. 1,103,811; July 14; Gaz. vol. 204; p. 600.
- Wire-drawing, Process of and apparatus for. H. Schinrerling. No. 1,096,866; May 19; Gaz. vol. 202; p. 655.
- Wire fabric. S. Bronstien. No. 1,101,005; June 23; Gaz. vol. 203; p. 1041.
- Wire fabric. F. P. Dooley. No. 1,106,551; Aug. 11; Gaz. vol. 205; p. 381.
- Wire fabric. H. Richardson. No. 1,095,521; May 5; Gaz. vol. 202; p. 120.
- Wire fabric. H. Richardson. No. 1,098,686; June 2; Gaz. vol. 203; p. 113.
- Wire fabric. J. Schwartzman. No. 1,116,500; Nov. 10; Gaz. vol. 208; p. 395.
- Wire-fabric machine. W. A. Kilmer. No. 1,111,593; Sept. 22; Gaz. vol. 206; p. 1087.
- Wire-fabric machine. W. M. Roop. No. 1,103,316; July 14; Gaz. vol. 204; p. 428.
- Wire-fabric machine. F. E. Willits. No. 1,121,784; Dec. 22; Gaz. vol. 209; p. 1123.
- Wire-fabric-making machine. A. E. Barlow. No. 1,109,563; Sept. 1; Gaz. vol. 206; p. 246.
- Wire fabric, Manufacture of woven. T. H. Wickwire. No. 1,094,507; Apr. 28; Gaz. vol. 201; p. 943.
- Wire-fastener. A. Berry. No. 1,103,932; July 21; Gaz. vol. 204; p. 683.
- Wire-fastener. A. Nelson. No. 1,115,329; Oct. 27; Gaz. vol. 207; p. 1157.
- Wire fastener, Line-. T. A. Wiseman. No. 1,100,859; June 23; Gaz. vol. 203; p. 989.
- Wire-feed device. G. W. Perkins. No. 1,110,401; Sept. 15; Gaz. vol. 206; p. 629.
- Wire-feeding mechanism. L. R. Heim. No. 1,119,510; Dec. 1; Gaz. vol. 209; p. 211.
- Wire-feeding mechanism. A. J. Lewis. No. 1,097,652; May 26; Gaz. vol. 202; p. 973.
- Wire-feeding mechanism. W. H. Sommer. No. 1,093,578; Apr. 14; Gaz. vol. 201; p. 527.
- Wire-fence-weaving machine. G. A. Raymond. No. 1,119,728; Dec. 1; Gaz. vol. 209; p. 284.
- Wire fly-screen cloth, Making narrow-width. W. F. Harrah. No. 1,120,479; Dec. 8; Gaz. vol. 209; p. 584.
- Wire-gage. A. W. Robertson. No. 1,121,289; Dec. 15; Gaz. vol. 209; p. 915.
- Wire grip and lock. D. J. Winn. No. 1,095,483; May 5; Gaz. vol. 202; p. 107.
- Wire-gripping device. G. W. Main. No. 1,117,874; Nov. 17; Gaz. vol. 208; p. 920.

Alphabetical list of inventions—Continued.

- Wire-gripping mechanism. E. H. Carroll. No. 1,111,878; Sept. 29; Gaz. vol. 206; p. 1226.
- Wire-holder. S. E. Elliott. No. 1,105,412; July 28; Gaz. vol. 204; p. 1246.
- Wire-joining mechanism. J. S. Banta and A. T. Weaver. No. 1,109,388; Sept. 1; Gaz. vol. 206; p. 190.
- Wire-line clamp. J. H. Kuhns. No. 1,111,543; Sept. 22; Gaz. vol. 206; p. 1069.
- Wire, Manufacture of solder-cored. F. Kammerer. No. 1,109,423; Sept. 1; Gaz. vol. 206; p. 202.
- Wire-mesh fastener for posts. J. K. Whitehill. No. 1,098,865; June 2; Gaz. vol. 203; p. 172.
- Wire-netting machine. J. A. Holmquist. No. 1,089,054; Mar. 3; Gaz. vol. 200; p. 129.
- Wire-netting machine. C. A. Knowelden. No. 1,119,759; Dec. 1; Gaz. vol. 209; p. 293.
- Wire-netting machine. H. G. Thomson. No. 1,085,510; Jan. 27; Gaz. vol. 198; p. 849.
- Wire-netting, Machine for handling. G. H. King. No. 1,087,087; Feb. 10; Gaz. vol. 199; p. 567.
- Wire nipper and twister. J. T. Wertz. No. 1,120,575; Dec. 8; Gaz. vol. 209; p. 618.
- Wire-reel. W. E. Eichhoff. No. 1,108,726; Aug. 25; Gaz. vol. 205; p. 1237.
- Wire reel. Fish. B. Dahl. No. 1,118,270; Nov. 24; Gaz. vol. 208; p. 1095.
- Wire, Reel for taking up and paying out. H. Trotter and E. Bell. No. 1,120,172; Dec. 8; Gaz. vol. 209; p. 474.
- Wire-reel guard. W. M. Russell. No. 1,092,293; Apr. 7; Gaz. vol. 201; p. 59.
- Wire-reel support. Barb. C. A. Beaujon. No. 1,119,566; Dec. 1; Gaz. vol. 209; p. 231.
- Wire-ring fabric, Apparatus for producing. C. A. Richter. No. 1,100,098; June 16; Gaz. vol. 203; p. 673.
- Wire rope. T. Gore. No. 1,099,644; June 9; Gaz. vol. 203; p. 480.
- Wire-rope clamp. E. P. Frederick and H. Niemeier. No. 1,117,656; Nov. 17; Gaz. vol. 208; p. 843.
- Wire-rope coupling. J. G. Lee and C. C. Sunderland. No. 1,121,736; Dec. 22; Gaz. vol. 209; p. 1107.
- Wire-rope-transmission carriage. A. Opsal. No. 1,106,471; Aug. 11; Gaz. vol. 205; p. 352.
- Wire ropes, Manufacture of. R. T. Skelton. No. 1,088,467; Feb. 24; Gaz. vol. 199; p. 1143.
- Wire-securing device. J. F. Southgate. No. 1,099,320; June 9; Gaz. vol. 203; p. 369.
- Wire-shaping machine. B. Hausheer. No. 1,090,850; Mar. 24; Gaz. vol. 200; p. 867.
- Wire-splicer. H. B. Bottnen. No. 1,111,639; Sept. 22; Gaz. vol. 206; p. 1103.
- Wire-splicer. J. O. Mulligan. No. 1,099,390; June 9; Gaz. vol. 203; p. 394.
- Wire splicer and stretcher. J. C. Doze. No. 1,092,700; Apr. 7; Gaz. vol. 201; p. 198.
- Wire-spring construction. F. T. Barber. No. 1,120,887; Dec. 15; Gaz. vol. 209; p. 776.
- Wire stitching or stapling machine. H. Weber. No. 1,111,115; Sept. 22; Gaz. vol. 206; p. 922.
- Wire straightening and cutting-off machine. O. L. Hemming. No. 1,121,100; Dec. 15; Gaz. vol. 209; p. 851.
- Wire-strainer for fence-posts and other like purposes. C. W. W. Broun. No. 1,084,393; Jan. 13; Gaz. vol. 198; p. 405.
- Wire-stretcher. H. H. Armstrong. No. 1,094,410; Apr. 28; Gaz. vol. 201; p. 909.
- Wire-stretcher. J. W. S. Barger. No. 1,087,629; Feb. 17; Gaz. vol. 199; p. 810.
- Wire-stretcher. W. C. Barnes and C. A. Opperman. No. 1,119,671; Dec. 1; Gaz. vol. 209; p. 265.
- Wire-stretcher. L. Clark and G. G. Jeffery. No. 1,120,790; Dec. 15; Gaz. vol. 209; p. 741.
- Wire-stretcher. J. W. Coleman and A. Gorden. No. 1,107,039; Aug. 11; Gaz. vol. 205; p. 549.
- Wire-stretcher. R. E. S. Cox. No. 1,102,144; June 30; Gaz. vol. 203; p. 1487.
- Wire-stretcher. J. H. Elliott. No. 1,095,093; Apr. 28; Gaz. vol. 201; p. 1148.
- Wire-stretcher. M. S. Eoff. No. 1,108,981; Sept. 1; Gaz. vol. 206; p. 43.
- Wire-stretcher. C. L. Graham. No. 1,113,002; Oct. 6; Gaz. vol. 207; p. 205.
- Wire-stretcher. F. Heilos. No. 1,101,797; June 30; Gaz. vol. 203; p. 1364.
- Wire-stretcher. W. C. and A. J. Jones. No. 1,115,436; Oct. 27; Gaz. vol. 207; p. 1194.
- Wire-stretcher. W. M. Lottridge. No. 1,101,704; June 30; Gaz. vol. 203; p. 1331.
- Wire-stretcher. J. E. Potter, Jr. No. 1,088,621; Feb. 24; Gaz. vol. 199; p. 1193.
- Wire-stretcher. A. T. Quesnoy. No. 1,091,705; Mar. 31; Gaz. vol. 200; p. 1202.
- Wire-stretcher. J. M. Sparks. No. 1,092,182; Apr. 7; Gaz. vol. 201; p. 20.
- Wire-stretcher. N. and F. Whitesel. No. 1,110,473; Sept. 15; Gaz. vol. 206; p. 655.
- Wire-stretcher. M. A. Wildanen. No. 1,122,458; Dec. 29; Gaz. vol. 209; p. 1395.
- Wire-stretcher. J. F. Young and O. J. Tebow. No. 1,104,600; July 21; Gaz. vol. 204; p. 914.
- Wire-stretcher and fence mender and tightener. F. N. Renfrow. No. 1,108,397; Aug. 25; Gaz. vol. 205; p. 1124.
- Wire-stretcher and wrench combined. R. S. Roland and W. W. McDade. No. 1,122,161; Dec. 22; Gaz. vol. 209; p. 1254.
- Wire-stretcher clamp. H. E. C. Bottger. No. 1,086,131; Feb. 3; Gaz. vol. 199; p. 197.
- Wire-stretcher, staple-holder, and staple-puller, Combination. N. McCabe. No. 1,101,559; June 30; Gaz. vol. 203; p. 1282.
- Wire-stretching device. M. H. Blakley. No. 1,117,313; Nov. 17; Gaz. vol. 208; p. 724.
- Wire-stretching tool. J. W. Snedeker. No. 1,119,891; Dec. 8; Gaz. vol. 209; p. 377.
- Wire-stripper. T. L. Gregson and J. I. Payette. No. 1,113,986; Oct. 20; Gaz. vol. 207; p. 631.
- Wire-tapper. S. J. Pukropp. No. 1,100,614; June 16; Gaz. vol. 203; p. 849.
- Wire-terminal. G. C. Knauff. No. 1,114,366; Oct. 20; Gaz. vol. 207; p. 766.
- Wire terminal, Sheathed. W. R. Whitney. No. 1,093,512; Apr. 14; Gaz. vol. 201; p. 507.
- Wire-testing instrument, Open. C. L. Faries. No. 1,084,542; Jan. 13; Gaz. vol. 198; p. 452.
- Wire ties, Means for making and applying. J. S. Slosson. No. 1,092,179; Apr. 7; Gaz. vol. 201; p. 19.
- Wire ties, Tool for twisting and cutting. T. A. O'Rourke. No. 1,084,103; Jan. 13; Gaz. vol. 198; p. 310.
- Wire to standards, Means of securing. D. De Ros. No. 1,102,394; July 7; Gaz. vol. 204; p. 60.
- Wire-twister for baling-machines. L. D. Sheeler and O. G. Shaw. No. 1,120,093; Dec. 8; Gaz. vol. 209; p. 446.
- Wire twisting and weaving machine. E. Wagner. No. 1,096,080; May 12; Gaz. vol. 202; p. 344.
- Wire-twisting device. C. E. Randall. No. 1,119,874; Dec. 8; Gaz. vol. 209; p. 370.
- Wire twisting or splicing machine. T. Davitt. No. 1,092,028; Mar. 31; Gaz. vol. 200; p. 1312.
- Wire-winder. C. B. Ruby. No. 1,086,225; Feb. 3; Gaz. vol. 199; p. 227.
- Wire-wiping apparatus. J. H. Reece. No. 1,117,603; Nov. 17; Gaz. vol. 208; p. 823.
- Wire-wiping machine. W. O. Gillam. No. 1,085,122; Jan. 27; Gaz. vol. 198; p. 716.
- Wire-working machine. H. L. Craven. No. 1,085,594; Feb. 3; Gaz. vol. 199; p. 6.
- Wire-working tool. P. W. Smith. No. 1,117,458; Nov. 17; Gaz. vol. 208; p. 774.
- Wireless apparatus. P. L. Jensen. No. 1,106,874; Aug. 11; Gaz. vol. 205; p. 494.
- Wireless apparatus. P. L. Jensen and E. S. Pridham. No. 1,106,875; Aug. 11; Gaz. vol. 205; p. 495.
- Wireless-apparatus detector. B. J. Miessner. No. 1,104,065; July 21; Gaz. vol. 204; p. 728.
- Wireless-communication receiver. W. Harrison. No. 1,097,974; May 26; Gaz. vol. 202; p. 1090.
- Wireless communication, Receiver for. W. Harrison. No. 1,116,588; Nov. 10; Gaz. vol. 208; p. 428.
- Wireless communication, Secrecy system for. L. De Forest. No. 1,123,119; Dec. 29; Gaz. vol. 209; p. 1627.
- Wireless receiver. H. Merton. No. 1,095,342; May 5; Gaz. vol. 202; p. 58.
- Wireless receiving apparatus. R. R. Goldthorp. No. 1,091,127; Mar. 24; Gaz. vol. 200; p. 964.
- Wireless receiving system. E. H. Armstrong. No. 1,113,149; Oct. 6; Gaz. vol. 207; p. 254.
- Wireless receiving system. E. G. Stalnaker. No. 1,099,865; June 9; Gaz. vol. 203; p. 555.
- Wireless-station tower, Portable. J. Raes. No. 1,099,861; June 9; Gaz. vol. 203; p. 554.
- Wireless systems, Receiving device for. W. E. D. Stokes, Jr., and G. W. Davis. No. 1,089,091; Mar. 3; Gaz. vol. 200; p. 143.
- Wireless transmission, Oscillator for. C. D. Herrold. No. 1,096,717; May 12; Gaz. vol. 202; p. 559.
- Wireless-transmission signals, Receiver for. V. Poulsen. No. 1,087,549; Feb. 17; Gaz. vol. 199; p. 782.
- Wood and making same, Preserved. R. A. Marr. No. 1,121,643; Dec. 22; Gaz. vol. 209; p. 1075.
- Wood and making same, Preserved. R. A. Marr. No. 1,121,646; Dec. 22; Gaz. vol. 209; p. 1075.
- Wood and plants to make cellulose, Treating. B. Loomis. No. 1,122,404; Dec. 29; Gaz. vol. 209; p. 1376.
- Wood-carrier. C. G. Weaver. No. 1,118,519; Nov. 24; Gaz. vol. 208; p. 1185.
- Wood-chipping machine. G. M. Pelton. No. 1,114,031; Oct. 20; Gaz. vol. 207; p. 646.
- Wood, Composition for artificial. I. S. Stahl. No. 1,086,235; Feb. 3; Gaz. vol. 199; p. 231.
- Wood, Extracting products from. W. B. Harper. No. 1,085,416; Jan. 27; Gaz. vol. 198; p. 819.
- Wood, Extracting volatile and fusible products from. J. L. Dormon. No. 1,122,084; Dec. 22; Gaz. vol. 209; p. 1230.
- Wood-filling composition. T. L. Thompson. No. 1,088,637; Feb. 24; Gaz. vol. 199; p. 1198.
- Wood for buoyant articles and product thereof, Treating. R. A. Marr. No. 1,121,645; Dec. 22; Gaz. vol. 209; p. 1075.

Alphabetical list of inventions—Continued.

- Wood, &c., impregnating apparatus. F. Moll. No. 1,122,407; Dec. 29; Gaz. vol. 209; p. 1376.
- Wood, Machine for cutting cord-. B. O. Wooster. No. 1,123,056; Dec. 29; Gaz. vol. 209; p. 1605.
- Wood-molding machine. L. R. Carroll. No. 1,099,692; June 9; Gaz. vol. 203; p. 498.
- Wood obtained in forestry into briquets, Making waste. F. von Kalitsch. No. 1,102,591; July 7; Gaz. vol. 204; p. 130.
- Wood or other cellulose material into glucose and other soluble and insoluble carbohydrates, Conversion of. A. Classen. No. 1,101,061; June 23; Gaz. vol. 203; p. 1061.
- Wood panel, Reinforced. A. Jaminet. No. 1,084,276; Jan. 13; Gaz. vol. 198; p. 368.
- Wood post and preserving same. J. W. Illingworth. No. 1,113,558; Oct. 13; Gaz. vol. 207; p. 444.
- Wood-preservative. J. C. Fitzsimmons. No. 1,111,302; Sept. 22; Gaz. vol. 206; p. 987.
- Wood-pulp, Bleaching cellulose. F. W. Dobson. No. 1,104,109; July 21; Gaz. vol. 204; p. 743.
- Wood-pulp digester, Liner for. G. E. Miller. No. 1,109,449; Sept. 1; Gaz. vol. 206; p. 209.
- Wood-splitting machine. G. W. Stanton. No. 1,105,108; July 28; Gaz. vol. 204; p. 1137.
- Wood-treating machine. C. F. Leatherbee. No. 1,107,623; Aug. 18; Gaz. vol. 205; p. 806.
- Wood-turning machine. W. S. Hawker. No. 1,111,795; Sept. 29; Gaz. vol. 206; p. 1195.
- Woods, Extracting their soluble contents from. I. S. Clope. No. 1,112,359; Sept. 29; Gaz. vol. 206; p. 1388.
- Wooden blocks, Apparatus for treating. J. B. Card and F. McArdle. No. 1,109,653; Sept. 1; Gaz. vol. 206; p. 280.
- Wooden pipe for smoking tobacco. H. S. Chapin. No. 1,099,965; June 16; Gaz. vol. 203; p. 627.
- Woodworking-machine. E. L. Barnes. No. 1,120,120; Dec. 8; Gaz. vol. 209; p. 455.
- Woodworking-machine. W. Craine. No. 1,114,968; Oct. 27; Gaz. vol. 207; p. 1031.
- Woodworking-machine. J. E. Gibbs. No. 1,104,791; July 28; Gaz. vol. 204; p. 1027.
- Woodworking-machine. N. Grein. No. 1,100,130; June 16; Gaz. vol. 203; p. 684.
- Woodworking-machine. H. Lohnes and J. P. Rial. No. 1,113,798; Oct. 13; Gaz. vol. 207; p. 527.
- Wool-cleaning machine. J. R. Milson. No. 1,101,562; June 30; Gaz. vol. 203; p. 1283.
- Woodworking-machine. H. N. Pierce. No. 1,105,301; July 28; Gaz. vol. 204; p. 1205.
- Woodworking-machine. D. M. Rose. No. 1,095,233; May 5; Gaz. vol. 202; p. 21.
- Woodworking-machine. C. C. Sheeley and F. J. Gruene-wald. No. 1,108,854; Aug. 25; Gaz. vol. 205; p. 1281.
- Woodworking-machine. G. A. Turner. No. 1,086,246; Feb. 3; Gaz. vol. 199; p. 235.
- Woodworking-machine. C. G. Wilderson and E. Harrold. No. 1,088,501; Feb. 24; Gaz. vol. 199; p. 1154.
- Woodworking-machine. J. F. Wolvin. No. 1,104,858; July 28; Gaz. vol. 204; p. 1051.
- Woodworking-machine-clamping device. H. J. Mitchell. No. 1,093,456; Apr. 14; Gaz. vol. 201; p. 490.
- Woodworking-machine, Combination. W. A. Elliot. No. 1,118,116; Nov. 24; Gaz. vol. 208; p. 1044.
- Woodworking-machine shaper. G. A. Turner. No. 1,086,247; Feb. 3; Gaz. vol. 199; p. 235.
- Woodworking-machines, Jointing-head for. J. W. Foster-ling. No. 1,114,743; Oct. 27; Gaz. vol. 207; p. 951.
- Woodworking-machinery. W. A. Newport. No. 1,093,198; Apr. 14; Gaz. vol. 201; p. 404.
- Woodworking machinery, Feeding mechanism for. P. A. Solem. No. 1,109,186; Sept. 1; Gaz. vol. 206; p. 117.
- Woodworking-tool. A. E. Liscomb. No. 1,083,624; Jan. 6; Gaz. vol. 198; p. 121.
- Wool-grease and product thereof, Treating. C. Ellis. No. 1,086,357; Feb. 10; Gaz. vol. 199; p. 318.
- Wool, Making substitutes for animal. C. Chavez. No. 1,104,105; July 21; Gaz. vol. 204; p. 741.
- Wool of wool-skins, Machine for combing, compacting, and clipping the. J. H. Cosart and G. Linhard. No. 1,100,473; June 16; Gaz. vol. 203; p. 804.
- Wool, Purification of raw. F. Koch. No. 1,117,194; Nov. 17; Gaz. vol. 208; p. 681.
- Wool-washing-machine carrier. F. G. Sargent. No. 1,101,097; June 23; Gaz. vol. 203; p. 1072.
- Wool-washing machines, Delivery device for. F. G. Sar-gent. No. 1,086,564; Feb. 10; Gaz. vol. 199; p. 389.
- Work-bag and spool-holder, Combined crochet. A. S. Hemstreet. No. 1,092,792; Apr. 7; Gaz. vol. 201; p. 229.
- Work-bench. P. J. Carpenter, Jr. No. 1,104,103; July 21; Gaz. vol. 204; p. 741.
- Work-bench. T. Swanson. No. 1,112,729; Oct. 6; Gaz. vol. 207; p. 113.
- Work-bench, Shoemaker's collapsible. M. Gross. No. 1,085,679; Feb. 3; Gaz. vol. 199; p. 35.
- Work-board. F. C. Berg. No. 1,086,747; Feb. 10; Gaz. vol. 199; p. 453.
- Work-clamp. L. J. Faubel. No. 1,101,624; June 30; Gaz. vol. 203; p. 1305.
- Work-clamp. J. J. Gerion. No. 1,105,193; July 28; Gaz. vol. 204; p. 1166.
- Work-holder, Gang. W. A. Yerzley. No. 1,102,314; July 7; Gaz. vol. 204; p. 32.
- Work-guide. H. Weber. No. 1,111,116; Sept. 22; Gaz. vol. 206; p. 922.
- Work-holder. F. E. Carson. No. 1,089,901; Mar. 10; Gaz. vol. 200; p. 469.
- Work-holder. E. C. Gerber. No. 1,092,038; Mar. 31; Gaz. vol. 200; p. 1315.
- Work-holder. J. Tedell. No. 1,119,376; Dec. 1; Gaz. vol. 209; p. 165.
- Work-support. L. A. Casgrain. No. 1,108,133; Aug. 25; Gaz. vol. 205; p. 1031.
- Work-support. W. Frasier. No. 1,117,178; Nov. 17; Gaz. vol. 208; p. 674.
- Work-support. G. Goddu. No. 1,117,183; Nov. 17; Gaz. vol. 208; p. 676.
- Work-support. A. E. Jerram, A. Bates, and J. Gould-bourn. No. 1,118,015; Nov. 24; Gaz. vol. 208; p. 1008.
- Work-support. T. G. Plant. No. 1,120,080; Dec. 8; Gaz. vol. 209; p. 441.
- Work-support-operating mechanism. L. A. Casgrain. No. 1,112,195; Sept. 29; Gaz. vol. 206; p. 1331.
- Work-supports, Mechanism for operating. L. A. Casgrain. No. 1,085,591; Feb. 3; Gaz. vol. 199; p. 5.
- Work-supporting plate. J. H. Pettit. No. 1,122,999; Dec. 29; Gaz. vol. 209; p. 1585.
- Worm or like milling machine. P. Brown and F. J. Bos-tock. No. 1,100,520; June 16; Gaz. vol. 203; p. 818.
- Worm or like milling machine. P. Brown and F. J. Bos-tock. No. 1,100,521; June 16; Gaz. vol. 203; p. 819.
- Woven article. V. H. Jennings. No. 1,117,190; Nov. 17; Gaz. vol. 208; p. 679.
- Woven fabric. E. N. Gaillard. No. 1,105,503; July 28; Gaz. vol. 204; p. 1278.
- Woven fabric. W. F. Scott. No. 1,098,533; June 2; Gaz. vol. 203; p. 62.
- Woven fabrics, Device for determining the frequency of the shots in. H. Oberholzer. No. 1,112,026; Sept. 29; Gaz. vol. 206; p. 1272.
- Woven strap. F. R. Batchelder. No. 1,109,564; Sept. 1; Gaz. vol. 206; p. 247.
- Wrap-holder for chairs. W. E. Bray. No. 1,119,396; Dec. 1; Gaz. vol. 209; p. 172.
- Wrapper and article, Combined. G. W. Evans, Jr. No. 1,100,363; June 16; Gaz. vol. 203; p. 766.
- Wrapper and folder. A. P. Holden. No. 1,085,261; Jan. 27; Gaz. vol. 198; p. 766.
- Wrapping and check apparatus for store-service. H. L. Walbridge. No. 1,118,318; Nov. 24; Gaz. vol. 208; p. 1113.
- Wrapping and grouping articles, Machine for. H. Y. Arm-strong. No. 1,121,155; Dec. 15; Gaz. vol. 209; p. 872.
- Wrapping and unwrapping machine. C. Kuentzel. No. 1,101,555; June 30; Gaz. vol. 203; p. 1281.
- Wrapping-machine. A. C. Bolton. No. 1,099,535; June 9; Gaz. vol. 203; p. 443.
- Wrapping-machine. H. Bradwell. No. 1,118,468; Nov. 24; Gaz. vol. 208; p. 1168.
- Wrapping-machine. H. De Escobales and F. P. Ampudia. No. 1,084,593; Jan. 13; Gaz. vol. 198; p. 473.
- Wrapping-machine. H. De Escobales and F. P. Ampudia. No. 1,115,407; Oct. 27; Gaz. vol. 207; p. 1184.
- Wrapping-machine. J. G. Denis. No. 1,102,015; June 30; Gaz. vol. 203; p. 1442.
- Wrapping-machine. J. H. Felmlee. No. 1,113,423; Oct. 13; Gaz. vol. 207; p. 396.
- Wrapping-machine. R. E. Fudge. No. 1,103,500; July 14; Gaz. vol. 204; p. 488.
- Wrapping-machine. F. Giroud. No. 1,117,129; Nov. 10; Gaz. vol. 208; p. 617.
- Wrapping-machine. F. Giroud. No. 1,117,130; Nov. 10; Gaz. vol. 208; p. 618.
- Wrapping-machine. A. E. Graves. No. 1,095,853; May 5; Gaz. vol. 202; p. 231.
- Wrapping-machine. A. E. Graves. No. 1,101,125; June 23; Gaz. vol. 203; p. 1082.
- Wrapping-machine. A. P. Holden and P. Morgan. No. 1,085,259; Jan. 27; Gaz. vol. 198; p. 765.
- Wrapping-machine. A. P. Holden and P. Morgan. No. 1,085,260; Jan. 27; Gaz. vol. 198; p. 766.
- Wrapping-machine. C. Kuentzel. No. 1,113,447; Oct. 13; Gaz. vol. 207; p. 405.
- Wrapping-machine. A. V. Lincoln. No. 1,096,546; May 12; Gaz. vol. 202; p. 503.
- Wrapping-machine. C. C. Page. No. 1,116,618; Nov. 10; Gaz. vol. 208; p. 439.
- Wrapping-machine. F. B. Redington and M. J. Milmoie. No. 1,117,442; Nov. 17; Gaz. vol. 208; p. 768.
- Wrapping-machine. A. J. Roedel. No. 1,107,360; Aug. 18; Gaz. vol. 205; p. 711.
- Wrapping-machine. G. R. Ward. No. 1,087,413; Feb. 17; Gaz. vol. 199; p. 733.
- Wrapping-machine. G. W. Watson. No. 1,110,090; Sept. 8; Gaz. vol. 206; p. 478.
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- Wrapping yeast-cakes and similar articles, Machine for. T. G. McGirr. No. 1,091,684; Mar. 31; Gaz. vol. 200; p. 1194.
- Wreath, Artificial. M. L. Beestle. No. 1,093,243; Apr. 14; Gaz. vol. 201; p. 419.
- Wrench. *See* Adjustable wrench; Alligator-wrench; Automatic wrench; Automobile emergency-wrench; Car-wrench; Casing-wrench; Chain wrench; Elevator-wrench; Hydrant-wrench; Jointed-handle wrench; Monkey-wrench; Motor-wrench; Nut-wrench; Nut and pipe wrench; Pipe-wrench; Plier-wrench; Quick-acting wrench; Quick-adjustment wrench; Ratchet-wrench; Sliding-jaw wrench; Tap-wrench; Track-wrench; Well-drilling-tool wrench.
- Wrench. C. A. Alden. No. 1,099,079; June 2; Gaz. vol. 203; p. 241.
- Wrench. F. R. Allen. No. 1,110,980; Sept. 15; Gaz. vol. 206; p. 832.
- Wrench. A. T. Anderson, F. L. Bailey, and W. C. Cummings. No. 1,101,381; June 23; Gaz. vol. 203; p. 1168.
- Wrench. F. Andruszkiewicz. No. 1,115,372; Oct. 27; Gaz. vol. 207; p. 1172.
- Wrench. C. J. Archey. No. 1,096,663; May 12; Gaz. vol. 202; p. 542.
- Wrench. L. Babos. No. 1,122,462; Dec. 29; Gaz. vol. 209; p. 1396.
- Wrench. J. F. Bailey. No. 1,092,133; Apr. 7; Gaz. vol. 201; p. 3.
- Wrench. A. C. Bates. No. 1,097,072; May 19; Gaz. vol. 202; p. 729.
- Wrench. M. C. Bersted. No. 1,109,032; Sept. 1; Gaz. vol. 206; p. 63.
- Wrench. W. L. Bessolo. No. 1,086,127; Feb. 3; Gaz. vol. 199; p. 196.
- Wrench. F. J. Bojas. No. 1,102,863; July 7; Gaz. vol. 204; p. 224.
- Wrench. C. P. Burch. No. 1,092,135; Apr. 7; Gaz. vol. 201; p. 4.
- Wrench. T. Caldwell. No. 1,107,029; Aug. 11; Gaz. vol. 205; p. 546.
- Wrench. L. Cappabianco. No. 1,121,229; Dec. 15; Gaz. vol. 209; p. 895.
- Wrench. W. Carman. No. 1,089,321; Mar. 3; Gaz. vol. 200; p. 220.
- Wrench. A. Chato. No. 1,093,253; Apr. 14; Gaz. vol. 201; p. 423.
- Wrench. O. A. Christopherson. No. 1,099,427; June 9; Gaz. vol. 203; p. 407.
- Wrench. M. E. Crandall. No. 1,118,532; Nov. 24; Gaz. vol. 208; p. 1190.
- Wrench. I. Cunningham and H. Flowers. No. 1,092,695; Apr. 7; Gaz. vol. 201; p. 196.
- Wrench. C. M. Davis. No. 1,094,536; Apr. 28; Gaz. vol. 201; p. 953.
- Wrench. F. Deak. No. 1,109,282; Sept. 1; Gaz. vol. 206; p. 151.
- Wrench. I. Drapcsaty. No. 1,119,348; Dec. 1; Gaz. vol. 209; p. 154.
- Wrench. F. H. Draper. No. 1,087,933; Feb. 24; Gaz. vol. 199; p. 960.
- Wrench. R. Drummond. No. 1,106,932; Aug. 11; Gaz. vol. 205; p. 515.
- Wrench. F. Ellingson. No. 1,122,885; Dec. 29; Gaz. vol. 209; p. 1545.
- Wrench. D. G. Gay. No. 1,085,564; Jan. 27; Gaz. vol. 198; p. 866.
- Wrench. J. B. Gathright. No. 1,117,024; Nov. 10; Gaz. vol. 208; p. 582.
- Wrench. J. B. Gathright. No. 1,117,026; Nov. 10; Gaz. vol. 208; p. 582.
- Wrench. M. Goehring. No. 1,088,413; Feb. 24; Gaz. vol. 199; p. 1125.
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- Wrench. A. L. Green. No. 1,103,408; July 14; Gaz. vol. 204; p. 457.
- Wrench. C. E. Griffith. No. 1,098,569; June 2; Gaz. vol. 203; p. 75.
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- Wrench. S. N. Hall. No. 1,107,936; Aug. 18; Gaz. vol. 205; p. 913.
- Wrench. H. C. Hallum. No. 1,122,915; Dec. 29; Gaz. vol. 209; p. 1555.
- Wrench. C. T. Harner. No. 1,088,985; Mar. 3; Gaz. vol. 200; p. 108.
- Wrench. K. A. Harvie. No. 1,119,694; Dec. 1; Gaz. vol. 209; p. 273.
- Wrench. H. H. Heuerman and H. Huntzman. No. 1,097,096; May 19; Gaz. vol. 202; p. 737.
- Wrench. H. C. Hien. No. 1,110,204; Sept. 8; Gaz. vol. 206; p. 519.
- Wrench. J. Hohn. No. 1,104,190; July 21; Gaz. vol. 204; p. 771.
- Wrench. T. R. Holland. No. 1,120,815; Dec. 15; Gaz. vol. 209; p. 750.
- Wrench. A. E. Holmes. No. 1,117,574; Nov. 17; Gaz. vol. 208; p. 813.
- Wrench. M. C. Hooker. No. 1,101,442; June 23; Gaz. vol. 203; p. 1189.
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- Wrench. A. G. Hunter. No. 1,120,386; Dec. 8; Gaz. vol. 209; p. 551.
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- Wrench. W. Kaylor. No. 1,118,018; Nov. 24; Gaz. vol. 208; p. 1009.
- Wrench. J. H. Kuhns. No. 1,094,221; Apr. 21; Gaz. vol. 201; p. 788.
- Wrench. H. B. and G. T. Kuntz. No. 1,094,446; Apr. 28; Gaz. vol. 201; p. 922.
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- Wrench. N. J. Lebombard. No. 1,092,152; Apr. 7; Gaz. vol. 201; p. 9.
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- Wrench. B. N. Lehman. No. 1,117,867; Nov. 17; Gaz. vol. 208; p. 918.
- Wrench. K. Leissle and F. Bach. No. 1,108,591; Aug. 25; Gaz. vol. 205; p. 1192.
- Wrench. J. Y. Lintner and L. L. Benjamin. No. 1,095,005; Apr. 28; Gaz. vol. 201; p. 1120.
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- Wrench. T. P. MacNeil. No. 1,087,025; Feb. 10; Gaz. vol. 199; p. 547.
- Wrench. F. Mandler and E. Kovarik. No. 1,098,161; May 26; Gaz. vol. 202; p. 1153.
- Wrench. H. H. McDermott and H. J. Zwettler. No. 1,122,293; Dec. 29; Gaz. vol. 209; p. 1340.
- Wrench. W. J. McLaughlin. No. 1,121,650; Dec. 22; Gaz. vol. 209; p. 1077.
- Wrench. S. T. McLellan. No. 1,097,181; May 19; Gaz. vol. 202; p. 766.
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- Wrench. L. C. Moise and A. O. Pons. No. 1,099,811; June 9; Gaz. vol. 203; p. 537.
- Wrench. H. E. E. Molkenthin. No. 1,114,377; Oct. 20; Gaz. vol. 207; p. 770.
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- Wrench. E. T. Moose. No. 1,089,249; Mar. 3; Gaz. vol. 200; p. 197.
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- Wrench. J. Sontheimer. No. 1,083,867; Jan. 6; Gaz. vol. 198; p. 198.
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- Wrench. J. Stomberg. No. 1,114,549; Oct. 20; Gaz. vol. 207; p. 832.
- Wrench. W. S. Stone. No. 1,101,889; June 30; Gaz. vol. 203; p. 1396.
- Wrench. F. Thayer. No. 1,085,644; Feb. 3; Gaz. vol. 199; p. 23.
- Wrench. A. E. Tillison. No. 1,110,243; Sept. 8; Gaz. vol. 206; p. 533.
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- Wrench. C. D. Wilson. No. 1,105,475; July 28; Gaz. vol. 204; p. 1269.
- Wrench. M. Zapotoczny. No. 1,105,013; July 28; Gaz. vol. 204; p. 1104.
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- Wrench and lock for shut-off cocks, Combined. M. Tuttle. No. 1,104,022; July 21; Gaz. vol. 204; p. 712.
- Wrench and vise, Combined. F. L. Walker. No. 1,105,473; July 28; Gaz. vol. 204; p. 1268.
- Wrench bit, Adjustable socket-. V. D. Earl and F. E. Mangold. No. 1,107,769; Aug. 18; Gaz. vol. 205; p. 858.
- Wrench or vise. J. C. Burgess. No. 1,094,400; Apr. 21; Gaz. vol. 201; p. 845.
- Wrenches, Toothed jaw for. S. R. Audibert. No. 1,103,927; July 21; Gaz. vol. 204; p. 681.
- Wringer: See Clothes-wringer; Mop-wringer; Releasable wringer; Towel-wringer.
- Wringer. H. S. Judd. No. 1,112,984; Oct. 6; Gaz. vol. 207; p. 200.
- Wringer-roll. R. J. Smith. No. 1,116,147; Nov. 3; Gaz. vol. 208; p. 234.
- Wringers and the like, Reversing-gearing for. A. Van Wormer. No. 1,105,226; July 28; Gaz. vol. 204; p. 1178.
- Wringers, Drive-gearing for. R. L. Wearne. No. 1,122,223; Dec. 22; Gaz. vol. 209; p. 1275.
- Wringers, Mechanical movement for. W. H. Voss. No. 1,089,733; Mar. 10; Gaz. vol. 200; p. 411.
- Wringers, Mechanical movement for washing-machine. S. T. White. No. 1,088,859; Mar. 3; Gaz. vol. 200; p. 63.
- Wringers, Safety device for power-. A. J. Fisher. No. 1,102,331; July 7; Gaz. vol. 204; p. 39.
- Wringers, Stop mechanism for. A. Van Wormer. No. 1,105,225; July 28; Gaz. vol. 204; p. 1177.
- Wrist-pin-truing device. A. A. Rothrock. No. 1,084,038; Jan. 13; Gaz. vol. 198; p. 288.
- Writing and adding machines, Key-locking mechanism for. W. L. Dench. No. 1,113,315; Oct. 13; Gaz. vol. 207; p. 358.
- Writing-instrument attachment. H. W. Graff. No. 1,122,909; Dec. 29; Gaz. vol. 209; p. 1553.
- Writing-machine. E. B. Hess. No. 1,085,382; Jan. 27; Gaz. vol. 198; p. 808.
- Writing-machine. E. B. Hess. No. 1,094,146; Apr. 21; Gaz. vol. 201; p. 762.
- Writing-machine. E. B. Hess. No. 1,100,301; June 16; Gaz. vol. 203; p. 745.
- Writing-machine. E. B. Hess. No. 1,101,544; June 30; Gaz. vol. 203; p. 1276.
- Writing-machine, Stenographic. W. S. Ireland. No. 1,098,116; May 26; Gaz. vol. 202; p. 1138.
- Writing-machine, Stenographic. W. S. Ireland. No. 1,098,118; May 26; Gaz. vol. 202; p. 1139.
- Writing-machines, Line-spacing attachment for. P. B. Tingley. No. 1,103,103; July 14; Gaz. vol. 204; p. 353.
- Writing-machines, Line-spacing attachment for. P. B. Tingley. No. 1,118,074; Nov. 24; Gaz. vol. 208; p. 1029.
- Writing, marking, or decorating with plastic materials, Instrument for. E. B. Desenberg and E. S. Pillsworth. No. 1,099,344; June 9; Gaz. vol. 203; p. 379.
- Writing-pad holder and cover. C. L. Rockwell. No. 1,106,891; Aug. 11; Gaz. vol. 205; p. 500.
- Writing-practising device. V. Hansen. No. 1,122,110; Dec. 22; Gaz. vol. 209; p. 1237.
- Writing-sheet and envelop, Combined. A. W. Wright and P. H. Knowlton. No. 1,105,012; July 28; Gaz. vol. 204; p. 1103.
- X-ray tube. I. S. Hirsch. No. 1,120,493; Dec. 8; Gaz. vol. 209; p. 589.
- X-ray tube. H. M. Kesselring. No. 1,092,489; Apr. 7; Gaz. vol. 201; p. 128.
- X-ray tube. S. Tousey. No. 1,100,037; June 16; Gaz. vol. 203; p. 652.
- X-ray-tube holder. E. N. Ryder. No. 1,120,748; Dec. 15; Gaz. vol. 209; p. 726.
- X-ray tubes and similar apparatus, Timing device for. C. F. Fayer. No. 1,100,063; June 16; Gaz. vol. 203; p. 661.
- X-ray tubes, Osmo-anticathodic vacuum-regulator for. C. Regaud. No. 1,096,390; May 12; Gaz. vol. 202; p. 450.
- X-rays, Apparatus for treating articles with. F. S. Smith. No. 1,095,473; May 5; Gaz. vol. 202; p. 103.
- Yarn-beam-handling device. G. W. Dearborn. No. 1,121,807; Dec. 22; Gaz. vol. 209; p. 1131.
- Yarn-clearer. G. W. Foster. No. 1,101,423; June 23; Gaz. vol. 203; p. 1183.
- Yarn-coiler. J. W. Connelly. No. 1,121,480; Dec. 15; Gaz. vol. 209; p. 981.
- Yarn-conditioning machine. O. H. Cilley. No. 1,092,976; Apr. 14; Gaz. vol. 201; p. 327.
- Yarn-drying machine. T. Allsop, W. W. Sibson, R. B. Lowe, and R. E. Thomson. No. 1,085,396; Jan. 27; Gaz. vol. 198; p. 813.
- Yarn for colored velvets, Producing weighted pile-. P. Schmid. No. 1,102,088; June 30; Gaz. vol. 203; p. 1468.
- Yarn from bobbins, Machine for cutting and stripping. T. P. Walsh. No. 1,109,949; Sept. 8; Gaz. vol. 206; p. 428.
- Yarn-mercerizing machine. P. Hahn. No. 1,087,442; Feb. 17; Gaz. vol. 199; p. 745.
- Yarn-waxing mechanism. W. M. Boenning. No. 1,099,534; June 9; Gaz. vol. 203; p. 442.
- Yarn with a liquid contained in a trough, Arrangement for treating ropes of. H. Hablützel. No. 1,100,729; June 23; Gaz. vol. 203; p. 943.
- Yeast-packaging machine. E. C. Phillips. No. 1,105,041; July 28; Gaz. vol. 204; p. 1113.
- Yeast-tester. A. J. Banks. No. 1,104,766; July 28; Gaz. vol. 204; p. 1019.
- Yielding unit. G. C. Hinsdale. No. 1,120,714; Dec. 15; Gaz. vol. 209; p. 71.
- Yoke and cap for draft-poles, Neck-. B. J. Evers. No. 1,113,891; Oct. 13; Gaz. vol. 207; p. 560.
- Yoke attacher, Neck-. W. A. Bowman. No. 1,121,461; Dec. 15; Gaz. vol. 209; p. 975.
- Yoke attachment, Neck-. W. R. Wintersteen. No. 1,093,091; Apr. 14; Gaz. vol. 201; p. 366.
- Yoke, Cattle-. R. G. Unruh. No. 1,123,040; Dec. 29; Gaz. vol. 209; p. 1599.
- Yoke, Clutch-. J. T. Trumble. No. 1,116,171; Nov. 3; Gaz. vol. 208; p. 241.
- Yoke, Cow-. C. C. Harlin. No. 1,122,389; Dec. 29; Gaz. vol. 209; p. 1371.
- Yoke, Draft-gear. C. J. Nash. No. 1,085,288; Jan. 27; Gaz. vol. 198; p. 775.
- Yoke for draft-gears. C. J. Nash. No. 1,083,335; Jan. 6; Gaz. vol. 198; p. 25.
- Yoke lock, Neck-. C. M. Conner. No. 1,100,700; June 16; Gaz. vol. 203; p. 877.
- Yoke, Neck-. J. B. Davis. No. 1,122,698; Dec. 29; Gaz. vol. 209; p. 1479.
- Yoke, Neck-. H. Rasmussen. No. 1,083,630; Jan. 6; Gaz. vol. 198; p. 123.
- Yoke, Neck-. G. P. Smaagaard. No. 1,106,417; Aug. 11; Gaz. vol. 205; p. 331.
- Yoke safety-holder, Neck-. J. W. Weekly. No. 1,117,117; Nov. 10; Gaz. vol. 208; p. 612.
- Yoke securer, Neck-. C. M. Connor. No. 1,089,330; Mar. 3; Gaz. vol. 200; p. 223.
- Yoke-strap snap. D. H. Densel. No. 1,118,924; Dec. 1; Gaz. vol. 209; p. 7.
- Zenith, Artificial. E. H. Lindman. No. 1,090,633; Mar. 17; Gaz. vol. 200; p. 765.
- Zeolites, Producing reactive. T. R. Duggan. No. 1,116,038; Nov. 3; Gaz. vol. 208; p. 196.
- Zinc and other similar metals, Process of and apparatus for producing. H. Specketer. No. 1,099,211; June 9; Gaz. vol. 203; p. 331.
- Zinc-blende and other metalliferous constituents from ore concentrates and slimes by flotation or granulation, Separation of. E. J. Horwood. No. 1,108,440; Aug. 25; Gaz. vol. 205; p. 1137.
- Zinc-blende for magnetic separation, Preparing pyritiferous. G. Rigg. No. 1,103,082; July 14; Gaz. vol. 204; p. 345.
- Zinc from its ores or compounds, Extracting. E. E. Watts. No. 1,111,201; Sept. 22; Gaz. vol. 206; p. 953.
- Zinc from its ores, Recovery of. A. Roitzheim. No. 1,100,490; June 16; Gaz. vol. 203; p. 809.

Alphabetical list of inventions—Continued.

- Zinc from zinc-bearing refuse, Extraction of. R. R. Parish. No. 1,104,922; July 28; Gaz. vol. 204; p. 1074.
- Zinc from zinc-coated material, Removing. J. Weber. No. 1,122,340; Dec. 29; Gaz. vol. 209; p. 1355.
- Zinc-furnace. O. E. Ruhoff. No. 1,121,874; Dec. 22; Gaz. vol. 209; p. 1156.
- Zinc-furnace with integral compound resistors and compound condensers, Electric. J. Thomson. No. 1,086,416; Feb. 10; Gaz. vol. 199; p. 336.
- Zinc-furnace with integral condenser, Electric. C. V. Thierry. No. 1,110,359; Sept. 15; Gaz. vol. 206; p. 614.
- Zinc-furnace with integral condenser, Electric. C. V. and M. Thierry. No. 1,122,663; Dec. 29; Gaz. vol. 209; p. 1467.
- Zinc-furnace with integral condenser, Electric. C. V. and M. Thierry. No. 1,122,664; Dec. 29; Gaz. vol. 209; p. 1467.
- Zinc-furnace with integral condenser, Electric. J. Thomson. No. 1,086,414; Feb. 10; Gaz. vol. 199; p. 336.
- Zinc-furnace with integral condenser, Electric. J. Thomson. No. 1,086,415; Feb. 10; Gaz. vol. 199; p. 336.
- Zinc-furnace with integral condenser, Electric. J. Thomson. No. 1,086,417; Feb. 10; Gaz. vol. 199; p. 337.
- Zinc-furnace with integral condenser, Electric. J. Thomson. No. 1,090,427; Mar. 17; Gaz. vol. 200; p. 693.
- Zinc-furnace with integral condenser, Electric. J. Thomson. No. 1,090,428; Mar. 17; Gaz. vol. 200; p. 694.
- Zinc-furnace with integral condenser, Universal electric. J. Thomson. No. 1,086,418; Feb. 10; Gaz. vol. 199; p. 337.
- Zinc-lead ores, Treatment of refractory. P. C. C. Isherwood. No. 1,089,412; Mar. 10; Gaz. vol. 200; p. 298.
- Zinc-lye treatment. W. Buddeus. No. 1,120,683; Dec. 15; Gaz. vol. 209; p. 704.
- Zinc, Metallurgy of. A. L. J. Queneau. No. 1,114,036; Oct. 20; Gaz. vol. 207; p. 648.
- Zinc ores, Smelting. J. M. Hyde. No. 1,118,012; Nov. 24; Gaz. vol. 208; p. 1007.
- Zinc oxid, Apparatus for the manufacture of. J. A. Singmaster. No. 1,112,854; Oct. 6; Gaz. vol. 207; p. 155.
- Zinc oxid, Manufacture of. J. A. Singmaster. No. 1,112,853; Oct. 6; Gaz. vol. 207; p. 155.
- Zinc oxid, Producing pure. H. W. de Stucklé. No. 1,118,894; Nov. 24; Gaz. vol. 208; p. 1313.
- Zinc perborate, Manufacture of. W. Weber. No. 1,121,428; Dec. 15; Gaz. vol. 209; p. 963.
- Zinc, Precipitation of. F. L. Wilson and S. E. Bretherton. No. 1,083,785; Jan. 6; Gaz. vol. 198; p. 173.
- Zinc residues, Treatment of. A. Jones. No. 1,112,010; Sept. 29; Gaz. vol. 206; p. 1267.
- Zinc-white, Making. E. B. Cutten. No. 1,109,113; Sept. 1; Gaz. vol. 206; p. 91.
- Zither. J. Janson. No. 1,116,287; Nov. 3; Gaz. vol. 208; p. 279.
- Zithers, Action for keyed. F. Menzenhauer. No. 1,113,033; Oct. 6; Gaz. vol. 207; p. 215.
- Zithers and the like, Playing device for. J. Mecera. No. 1,097,106; May 19; Gaz. vol. 202; p. 740.

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- Absorbent-disseminator. F. C. Barton. No. 45,174; Feb. 3; Gaz. vol. 199; p. 266.
- Advertising-cabinet. F. H. Newton. No. 45,693; Apr. 28; Gaz. vol. 201; p. 1188.
- Advertising-kiosk. H. W. Newman. No. 46,412; Sept. 15; Gaz. vol. 206; p. 850.
- Advertising novelty. T. B. Denton. No. 46,666; Nov. 24; Gaz. vol. 208; p. 1324.
- Advertising novelty. A. Lessig. No. 45,233; Feb. 10; Gaz. vol. 199; p. 577.
- Air-navigating vessel. R. D. Bruce. No. 45,550; Apr. 7; Gaz. vol. 201; p. 238.
- Ampule. J. L. Lascoff. No. 45,426; Mar. 17; Gaz. vol. 200; p. 833.
- Anchor-clamp. C. E. Jones. No. 45,880; June 2; Gaz. vol. 203; p. 274.
- Anesthetic-administering apparatus, Frame or stand for. A. E. Shaw. No. 45,770; May 12; Gaz. vol. 202; p. 607.
- Anti-sash-rattler. J. N. Isenberger. No. 45,383; Mar. 10; Gaz. vol. 200; p. 553.
- Anvil, Bench-vise. C. E. Shields. No. 46,268; Aug. 11; Gaz. vol. 205; p. 631.
- Appliqué work, Material for. O. E. Maul. No. 46,000; June 23; Gaz. vol. 203; p. 1228.
- Arch. P. C. and C. F. Butte. No. 46,798; Dec. 29; Gaz. vol. 209; p. 1668.
- Article of manufacture. W. O. Coleman. Nos. 45,181-3; Feb. 3; Gaz. vol. 199; p. 267.
- Article of manufacture. N. B. De Forest. No. 45,799; May 19; Gaz. vol. 202; p. 920.
- Article of manufacture. G. W. Edwards. No. 46,633; Nov. 10; Gaz. vol. 208; p. 627.
- Article of manufacture. C. A. Ford. No. 46,728; Dec. 8; Gaz. vol. 209; p. 653.
- Article of manufacture. M. W. Hinrichs. No. 46,127; July 21; Gaz. vol. 204; p. 979.
- Article of manufacture. A. J. Lunde. No. 46,746; Dec. 8; Gaz. vol. 209; p. 657.
- Article of manufacture. J. E. Marsden. Nos. 46,258-9; Aug. 11; Gaz. vol. 205; pp. 628-9.
- Article of manufacture. T. M. Moore. No. 45,765; May 12; Gaz. vol. 202; p. 606.
- Article of manufacture. C. Sticher. Nos. 45,659-60; Apr. 21; Gaz. vol. 201; pp. 870-1.
- Article of manufacture. F. T. Walklett. Nos. 46,073-6; July 7; Gaz. vol. 204; p. 289.
- Ash-tray. P. Rossotto. No. 46,102; July 14; Gaz. vol. 204; p. 649.
- Atomizer-head. T. A. De Vilbiss. No. 46,430; Sept. 22; Gaz. vol. 206; p. 1139.
- Automobile. A. H. C. Gibson. No. 45,868; June 2; Gaz. vol. 203; p. 272.
- Automobile-body. M. Bass. No. 45,250; Feb. 17; Gaz. vol. 199; p. 910.
- Automobile-body. G. W. Harper. No. 46,498; Oct. 6; Gaz. vol. 207; p. 267.
- Automobile-body. J. Morrison. Nos. 46,572-4; Oct. 20; Gaz. vol. 207; p. 894.
- Automobile-body. F. H. Morse. No. 45,948; June 16; Gaz. vol. 203; p. 892.
- Automobile-body. R. H. Rice. No. 46,101; July 14; Gaz. vol. 204; p. 649.
- Automobile-bumper. J. H. Sager. No. 45,571; Apr. 7; Gaz. vol. 201; p. 242.
- Automobile-bumpers, Base member for. J. H. Sager. No. 45,570; Apr. 7; Gaz. vol. 201; p. 242.
- Automobile-curtain. F. H. Ilse. No. 45,423; Mar. 17; Gaz. vol. 200; p. 832.
- Automobile-hood. G. P. Nichols. No. 46,689; Nov. 24; Gaz. vol. 208; p. 1328.
- Automobile-horn. W. W. Dean. Nos. 45,797-8; May 19; Gaz. vol. 202; p. 920.
- Automobile-horn. E. Rubes. No. 46,294; Aug. 18; Gaz. vol. 205; p. 984.
- Automobile or carriage bow-separator. C. E. Titchener. Nos. 45,131-2; Jan. 6; Gaz. vol. 198; p. 220.
- Automobile radiator-cap or like article. H. A. Prusser. No. 46,448; Sept. 22; Gaz. vol. 206; p. 1143.
- Automobile radiator-casing. G. E. Wheeler. No. 45,440; Mar. 17; Gaz. vol. 200; p. 835.
- Automobile radiator-casing. G. E. Wheeler. No. 45,609; Apr. 14; Gaz. vol. 201; p. 539.
- Automobile radiator-tops, Attachment for. B. J. Simpson and H. L. Manderville. No. 45,275; Feb. 17; Gaz. vol. 199; p. 915.
- Automobile-top. M. H. Smith. No. 45,544; Mar. 31; Gaz. vol. 200; p. 1360.
- Automobile vehicles, Bonnet for. E. H. F. de Turckheim. No. 46,484; Sept. 29; Gaz. vol. 206; p. 1418.
- Automobile wheel-rim. M. F. Kettler. No. 45,810; May 19; Gaz. vol. 202; p. 922.
- Automobiles, Cowl-dash for. J. and H. Schneider. No. 46,184; July 28; Gaz. vol. 204; p. 1320.
- Automobiles for showing the rear traffic conditions, Mirror attachment for. W. P. Hammond. No. 45,379; Mar. 10; Gaz. vol. 200; p. 552.
- Back-plate. J. J. Nash. No. 46,444; Sept. 22; Gaz. vol. 206; p. 1142.
- Bacon-hanger, Sanitary. H. J. Sparks. No. 45,730; May 5; Gaz. vol. 202; p. 290.
- Badge. D. M. Brady. No. 46,393; Sept. 15; Gaz. vol. 206; p. 846.
- Badge. S. J. Clark. No. 45,855; June 2; Gaz. vol. 203; p. 270.
- Badge. A. Colby. No. 45,794; May 19; Gaz. vol. 202; p. 919.
- Badge. C. J. Dieges. No. 46,049; July 7; Gaz. vol. 204; p. 284.
- Badge. J. Gunther. No. 45,378; Mar. 10; Gaz. vol. 200; p. 552.
- Badge. J. Low. No. 45,234; Feb. 10; Gaz. vol. 199; p. 577.
- Badge. L. McNary. No. 45,538; Mar. 31; Gaz. vol. 200; p. 1359.
- Badge. P. Trask. No. 46,585; Oct. 20; Gaz. vol. 207; p. 896.
- Badge or emblem. S. P. Colgan. No. 46,493; Oct. 6; Gaz. vol. 207; p. 267.
- Badge or similar article. G. E. Megraw. No. 46,440; Sept. 22; Gaz. vol. 206; p. 1141.
- Badge or similar article. R. W. Ritters. No. 46,292; Aug. 18; Gaz. vol. 205; p. 983.
- Badge or similar article. C. O. Sweet. No. 45,406; Mar. 10; Gaz. vol. 200; p. 557.
- Badge or similar article. E. V. Sweet. Nos. 46,036-9; June 30; Gaz. vol. 203; p. 1526.
- Badge, pin, or fraternal emblem. J. R. Mansfield. No. 45,598; Apr. 14; Gaz. vol. 201; p. 537.
- Badge, pin, or similar article. J. F. B. Ferry. No. 45,666; Apr. 28; Gaz. vol. 201; p. 1183.
- Badge, pin, or society-emblem. M. E. Nassau. No. 46,135; July 21; Gaz. vol. 204; p. 981.
- Badge with ribbon cordon and slide. R. C. Thompson. No. 45,164; Jan. 13; Gaz. vol. 198; p. 482.
- Bag, Hand-. E. Hyman. No. 46,025; June 30; Gaz. vol. 203; p. 1524.
- Bag, Hand-. S. H. Schrelber. No. 45,543; Mar. 31; Gaz. vol. 200; p. 1360.
- Bag, Mesh-. E. A. Hawkins. No. 46,731; Dec. 8; Gaz. vol. 209; p. 654.
- Bags, suitcases, or similar articles, Trimming for traveling-. M. Chodorkow and R. Harvey. No. 45,251; Feb. 17; Gaz. vol. 199; p. 910.
- Bags, Vanity-insert for. B. vom Eigen. No. 45,680; Apr. 28; Gaz. vol. 201; p. 1185.
- Bait, Artificial. L. Yakeley. No. 46,794; Dec. 22; Gaz. vol. 209; p. 1289.
- Baker's peel. G. J. Kraushaar. No. 46,313; Aug. 25; Gaz. vol. 205; p. 1293.
- Ball, Playing-. G. C. Worthington. No. 45,734; May 5; Gaz. vol. 202; p. 290.
- Ball, Playing-. G. C. Worthington. No. 45,827; May 19; Gaz. vol. 202; p. 925.
- Ball, Playing-. G. C. Worthington. No. 46,783; Dec. 15; Gaz. vol. 209; p. 1029.
- Ball, Rubber. B. De Mattia. No. 45,741; May 12; Gaz. vol. 202; p. 601.
- Bank, Savings-. V. P. Cramer. No. 46,201; Aug. 4; Gaz. vol. 205; p. 268.
- Bank, Savings-. R. Kline. No. 46,531; Oct. 13; Gaz. vol. 207; p. 584.
- Bar-pin or similar article. T. J. Lowery. No. 45,998; June 23; Gaz. vol. 203; p. 1228.
- Barbers' chairs, Head-rest holder for. A. A. Parks. No. 45,888; June 2; Gaz. vol. 203; p. 276.
- Barber's wall-case. W. L. Goldstein and G. C. Van Essen. No. 45,594; Apr. 14; Gaz. vol. 201; p. 536.
- Base and bracket, Supporting. H. Dalton. No. 45,857; June 2; Gaz. vol. 203; p. 270.
- Base-burner. A. F. Harter. No. 45,631; Apr. 21; Gaz. vol. 201; p. 864.
- Basin. E. F. Metzger. No. 46,533; Oct. 13; Gaz. vol. 207; p. 584.
- Basket cover, Fruit-. R. P. Clark. No. 46,429; Sept. 22; Gaz. vol. 206; p. 1139.
- Basket, Woven palm-leaf. B. M. Chester. Nos. 45,790-1; May 19; Gaz. vol. 202; pp. 918-19.
- Bath-trap. J. A. Maynard. No. 46,789; Dec. 22; Gaz. vol. 209; p. 1288.

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- Bath-tub or similar fitting. J. J. Divekey. No. 45,861; June 2; Gaz. vol. 203; p. 271.
- Bath-tub trap. J. Crawford. No. 45,253; Feb. 17; Gaz. vol. 199; p. 910.
- Bathing-cap. R. Parker. No. 45,124; Jan. 6; Gaz. vol. 198; p. 218.
- Bathing-cap. J. P. Schan. No. 45,917; June 9; Gaz. vol. 203; p. 577.
- Bathing-cap, Rubber. J. A. Murray. No. 46,603; Oct. 27; Gaz. vol. 207; p. 1218.
- Battery casing, Electric. C. A. Gillingham. No. 46,023; June 30; Gaz. vol. 203; p. 1523.
- Battery connector, Storage. R. C. Norberg. No. 45,348; Mar. 3; Gaz. vol. 200; p. 248.
- Beads, String of. A. M. A. Sandahl. No. 45,820; May 19; Gaz. vol. 202; p. 924.
- Beauty-box. B. C. Peterson. No. 45,767; May 12; Gaz. vol. 202; p. 606.
- Bed. J. Fulger. No. 45,190; Feb. 3; Gaz. vol. 199; p. 269.
- Bed, Cabinet. A. Giordano. No. 45,708; May 5; Gaz. vol. 202; p. 285.
- Bed, Folding. J. N. Farlow. No. 45,866; June 2; Gaz. vol. 203; p. 272.
- Bed-frames, Rod end or vase for metal. C. Bolte. No. 46,355; Sept. 8; Gaz. vol. 206; p. 559.
- Bed-frames, Spindle for metal. C. Bolte. No. 46,356; Sept. 8; Gaz. vol. 206; p. 560.
- Bed-pan. M. M. Meyer. No. 45,946; June 16; Gaz. vol. 203; p. 892.
- Bed section, Folding. W. R. Fillmore and E. Boillot. No. 46,469; Sept. 29; Gaz. vol. 206; p. 1415.
- Bed-trimming. J. J. Nash. Nos. 46,317-18; Aug. 25; Gaz. vol. 205; p. 1294.
- Bedstead. W. J. Curtis. No. 45,617; Apr. 21; Gaz. vol. 201; p. 862.
- Bedstead corner-post, Metal. W. Lies. No. 46,257; Aug. 11; Gaz. vol. 205; p. 628.
- Bedstead-fitting. J. W. Vail. No. 45,360; Mar. 3; Gaz. vol. 200; p. 250.
- Bedstead trimming, Metal. E. A. Steinman. No. 45,736; May 5; Gaz. vol. 202; p. 290.
- Bell-guide-post souvenir. A. S. C. and H. R. P. Forbes. No. 46,278; Aug. 18; Gaz. vol. 205; p. 980.
- Belt, Waist. A. M. Ziegler. No. 45,580; Apr. 7; Gaz. vol. 201; p. 244.
- Bench. L. G. Haase. No. 46,770; Dec. 15; Gaz. vol. 209; p. 1026.
- Bicycle-frame. J. S. Allen. No. 45,219; Feb. 10; Gaz. vol. 199; p. 574.
- Bicycle-frame. E. J. Lonn. No. 45,170; Jan. 20; Gaz. vol. 198; p. 677.
- Bicycle-frame. E. J. Lonn. No. 45,304; Feb. 24; Gaz. vol. 199; p. 1216.
- Bicycle-frame. W. E. Philips. No. 45,156; Jan. 13; Gaz. vol. 198; p. 480.
- Bicycle-frame. W. F. Remppis. Nos. 45,960-1; June 16; Gaz. vol. 203; p. 895.
- Bicycle-frame. W. F. Remppis. No. 46,693; Nov. 24; Gaz. vol. 208; p. 1329.
- Bicycle-frame. J. Stiniste. No. 45,314; Feb. 24; Gaz. vol. 199; p. 1218.
- Bicycle front-fork crown. W. M. C. Foster. No. 45,457; Mar. 24; Gaz. vol. 200; p. 1083.
- Billiard-cue rack. R. F. Maher. No. 46,600; Oct. 27; Gaz. vol. 207; p. 1217.
- Binding-post. A. K. Sloan. No. 45,358; Mar. 3; Gaz. vol. 200; p. 250.
- Biscuit, Loaf of. A. F. Ward. Nos. 45,899-900; June 2; Gaz. vol. 203; p. 278.
- Biscuit or like article. A. Cooke. No. 45,523; Mar. 31; Gaz. vol. 200; p. 1356.
- Bit-brace rack. C. A. Abbath. No. 45,140; Jan. 13; Gaz. vol. 198; p. 477.
- Bits, Cheek-piece for. H. Buermann. No. 45,788; May 19; Gaz. vol. 202; p. 918.
- Blocks, Cross-head for. F. B. Mallory. No. 45,911; June 9; Gaz. vol. 203; p. 576.
- Blower-gear casing. H. W. Wendt. No. 46,152; July 21; Gaz. vol. 204; p. 984.
- Boat. E. A. Saunders. No. 46,548; Oct. 19; Gaz. vol. 207; p. 587.
- Boat-bollard. I. Chase. No. 46,085; July 14; Gaz. vol. 204; p. 645.
- Boat-hull. J. E. Langstaff. No. 45,389; Mar. 10; Gaz. vol. 200; p. 554.
- Boiler check-casting. L. Kassander. No. 45,941; June 16; Gaz. vol. 203; p. 891.
- Book cover, Bank. R. Shick. No. 45,677; Apr. 28; Gaz. vol. 201; p. 1185.
- Book or card matches and the like, Holder for. E. A. Merritt. No. 46,055; July 7; Gaz. vol. 204; p. 285.
- Book-stand. W. Templin. No. 46,458; Sept. 22; Gaz. vol. 206; p. 1145.
- Booth, Ticket. W. Yaeger. No. 45,442; Mar. 17; Gaz. vol. 200; p. 835.
- Border-section. G. A. Henckel. No. 45,751; May 12; Gaz. vol. 202; p. 603.
- Border-section. G. A. Henckel. No. 46,209; Aug. 4; Gaz. vol. 205; p. 270.
- Border, Sectional. L. A. Brown. No. 46,083; July 14; Gaz. vol. 204; p. 645.
- Bottle. W. C. Ball. No. 46,655; Nov. 24; Gaz. vol. 208; p. 1322.
- Bottle. J. L. Dunnock. No. 45,375; Mar. 10; Gaz. vol. 200; p. 552.
- Bottle. P. Ebeling. Nos. 45,186-7; Feb. 3; Gaz. vol. 199; p. 268.
- Bottle. J. J. Gavin. No. 46,166; July 28; Gaz. vol. 204; p. 1316.
- Bottle. S. J. Goldberg. No. 46,090; July 14; Gaz. vol. 204; p. 646.
- Bottle. S. Hochstadter. Nos. 45,936-9; June 16; Gaz. vol. 203; p. 890.
- Bottle. S. M. Human. No. 45,753; May 12; Gaz. vol. 202; p. 604.
- Bottle. E. A. Kohn. No. 46,640; Nov. 10; Gaz. vol. 208; p. 628.
- Bottle. E. Lehmann. No. 46,683; Nov. 24; Gaz. vol. 208; p. 1327.
- Bottle. S. Liebenthal. No. 45,997; June 23; Gaz. vol. 203; p. 1228.
- Bottle. G. Lloyd. No. 45,565; Apr. 7; Gaz. vol. 201; p. 241.
- Bottle. J. F. Meyer. No. 45,346; Mar. 3; Gaz. vol. 200; p. 247.
- Bottle. F. J. M. Miles. No. 45,673; Apr. 28; Gaz. vol. 201; p. 1184.
- Bottle. F. Novak. No. 45,646; Apr. 21; Gaz. vol. 201; p. 868.
- Bottle. A. E. Pickard. No. 45,351; Mar. 3; Gaz. vol. 200; p. 249.
- Bottle. A. E. Pickard. No. 46,066; July 7; Gaz. vol. 204; p. 287.
- Bottle. H. E. Potteiger. No. 46,265; Aug. 11; Gaz. vol. 205; p. 630.
- Bottle. T. C. Wheaton. No. 45,826; May 19; Gaz. vol. 202; p. 925.
- Bottle. D. E. Williamson. No. 46,271; Aug. 11; Gaz. vol. 205; p. 631.
- Bottle. V. Zsuzsits. No. 45,780; May 12; Gaz. vol. 202; p. 609.
- Bottle, Ammonia. S. A. Whitney and C. J. Yost. No. 45,248; Feb. 10; Gaz. vol. 199; p. 579.
- Bottle-cap remover. N. L. Jacobus. No. 46,218; Aug. 4; Gaz. vol. 205; p. 271.
- Bottle-cap remover. O. J. Rainville. No. 45,171; Jan. 20; Gaz. vol. 198; p. 677.
- Bottle-cap remover. E. Walker. No. 46,149; July 21; Gaz. vol. 204; p. 983.
- Bottle-cap stopple. S. Schulhoff. No. 45,242; Feb. 10; Gaz. vol. 199; p. 578.
- Bottle for dust-like materials. G. P. Breiter. No. 46,425; Sept. 22; Gaz. vol. 206; p. 1138.
- Bottle, French-dressing. T. D. Hawkes. No. 46,500; Oct. 6; Gaz. vol. 207; p. 268.
- Bottle, Glass. T. Mackenzie. No. 46,285; Aug. 18; Gaz. vol. 205; p. 982.
- Bottle holder, Milk. F. C. Gibbs. No. 46,089; July 14; Gaz. vol. 204; p. 646.
- Bottle, Hot-water. A. G. Kimball. No. 45,720; May 5; Gaz. vol. 202; p. 287.
- Bottle, Hot-water. F. O. Williams. No. 45,212; Feb. 3; Gaz. vol. 199; p. 274.
- Bottle, Ink. C. H. Henkels. Nos. 45,113-14; Jan. 6; Gaz. vol. 198; p. 216.
- Bottle, Metal hot-water. D. Hogan. No. 46,673; Nov. 24; Gaz. vol. 208; p. 1325.
- Bottle, Mustard. R. A. Lusk. No. 46,131; July 21; Gaz. vol. 204; p. 980.
- Bottle-neck valve means. J. W. Douglass. No. 46,799; Dec. 29; Gaz. vol. 209; p. 1668.
- Bottle, Nursing. W. Schnippa. No. 45,128; Jan. 6; Gaz. vol. 198; p. 219.
- Bottle-opener. J. L. Sommer. No. 45,678; Apr. 28; Gaz. vol. 201; p. 1185.
- Bottle-opener. J. L. Sommer. No. 46,298; Aug. 18; Gaz. vol. 205; p. 984.
- Bottle-opener. H. L. Vaughan. No. 46,762; Dec. 8; Gaz. vol. 209; p. 660.
- Bottle-opener and cake-turner, Combined. J. L. Sommer and T. Harding. No. 46,702; Nov. 24; Gaz. vol. 208; p. 1331.
- Bottle-opener and pick. T. Harding. No. 46,311; Aug. 25; Gaz. vol. 205; p. 1293.
- Bottle or flask. J. A. Haig. No. 45,295; Feb. 24; Gaz. vol. 199; p. 1215.
- Bottle, Poison. Z. Armstrong. No. 46,719; Dec. 8; Gaz. vol. 209; p. 652.
- Bottle, Poison. E. J. Mobley. No. 45,674; Apr. 28; Gaz. vol. 201; p. 1184.
- Bottle, Poison. A. J. and C. L. Moss. No. 46,407; Sept. 15; Gaz. vol. 206; p. 849.
- Bottle, Poison. W. H. Pollgreen. No. 46,620; Nov. 3; Gaz. vol. 208; p. 306.
- Bottle-stopper. C. D. Wolfson. No. 46,488; Sept. 29; Gaz. vol. 206; p. 1419.
- Bottle-stopper, Dispensing. P. E. Aronis and A. Tirivel. No. 46,795; Dec. 29; Gaz. vol. 209; p. 1667.

Alphabetical list of designs—Continued.

- Bottle, syringe-bag, or similar article, Water-. C. E. Campbell. No. 45,789; May 19; Gaz. vol. 202; p. 918.
- Bottle, syringe-bag, or similar article, Water-. F. O. Williams. No. 45,213; Feb. 3; Gaz. vol. 199; p. 274.
- Bottle, syringe-bag, or similar article, Water-. F. O. Williams. No. 45,281; Feb. 17; Gaz. vol. 199; p. 914.
- Bottle, Water-. T. W. Miller. No. 46,791; Dec. 22; Gaz. vol. 209; p. 1289.
- Bottles, Pour-out for. W. C. Sabine. No. 46,752; Dec. 8; Gaz. vol. 209; p. 658.
- Bottles, Sprinkler-top for. W. T. Campbell. No. 46,722; Dec. 8; Gaz. vol. 209; p. 652.
- Bowl. A. J. Sanford. No. 45,127; Jan. 6; Gaz. vol. 198; p. 219.
- Bowl or similar article. A. J. Sanford. No. 46,321; Aug. 25; Gaz. vol. 205; p. 1295.
- Bowl, Translucent. G. Westphal. No. 46,712; Nov. 24; Gaz. vol. 208; p. 1332.
- Box. P. Makris. No. 45,999; June 23; Gaz. vol. 203; p. 1228.
- Box. L. Ungemach. No. 46,353; Sept. 1; Gaz. vol. 206; p. 288.
- Box. W. J. White. No. 46,463; Sept. 22; Gaz. vol. 206; p. 1146.
- Box, Insecticide or other. A. T. Sneden. No. 46,755; Dec. 8; Gaz. vol. 209; p. 659.
- Box, Tea-. H. Weddle. No. 46,763; Dec. 8; Gaz. vol. 209; p. 660.
- Bracelet. D. R. Dix. Nos. 46,203-6; Aug. 4; Gaz. vol. 205; p. 269.
- Bracelet. R. H. Shepard. No. 46,644; Nov. 10; Gaz. vol. 208; p. 629.
- Bracelet. E. V. Sweet. No. 45,163; Jan. 13; Gaz. vol. 198; p. 481.
- Bracket. W. F. Clark. No. 46,086; July 14; Gaz. vol. 204; p. 645.
- Brassière. W. E. Cain. No. 45,853; June 2; Gaz. vol. 203; p. 270.
- Brassière. C. R. De Bevoise. Nos. 45,291-3; Feb. 24; Gaz. vol. 199; p. 1214.
- Brassière, Bust-reducer. S. H. Burns and C. D. Perillat. No. 45,287; Feb. 24; Gaz. vol. 199; p. 1213.
- Brick for locomotive-arches. J. P. Neff. No. 46,509; Oct. 6; Gaz. vol. 207; p. 269.
- Brick or similar article. D. E. Reagan. No. 46,580; Oct. 20; Gaz. vol. 207; p. 895.
- Broiler-griddle. S. Biswanger. No. 46,309; Aug. 25; Gaz. vol. 205; p. 1292.
- Broom and dust-pan holder, Combined. J. M. Hiller. No. 45,875; June 2; Gaz. vol. 203; p. 273.
- Broom-holder. R. E. McKee. No. 46,057; July 7; Gaz. vol. 204; p. 286.
- Broom-holder. J. Ziegman. No. 46,489; Sept. 29; Gaz. vol. 206; p. 1419.
- Broom-shoulder cover. N. H. Beebe. No. 46,423; Sept. 22; Gaz. vol. 206; p. 1137.
- Brush. W. R. Lee. No. 45,721; May 5; Gaz. vol. 202; p. 288.
- Brush. H. E. Smith. No. 46,754; Dec. 8; Gaz. vol. 209; p. 659.
- Brush back, Fountain-. F. A. Burkhart. No. 45,328; Mar. 3; Gaz. vol. 200; p. 244.
- Brush, Cabinet-. V. Fernandez. No. 45,746; May 12; Gaz. vol. 202; p. 602.
- Brush handle, Shaving-. J. C. Morgan. No. 46,316; Aug. 25; Gaz. vol. 205; p. 1294.
- Brush handle, Shaving-. F. B. Thurber. Nos. 46,139-45; July 21; Gaz. vol. 204; pp. 981-2.
- Brush handle, Tooth-. J. J. Sarrazin. No. 45,572; Apr. 7; Gaz. vol. 201; p. 242.
- Brush, Rubber. O. Eick. No. 45,548; Mar. 31; Gaz. vol. 200; p. 1361.
- Brush, Rubber. O. Eick. Nos. 46,592-6; Oct. 27; Gaz. vol. 207; p. 1216.
- Brush, Rubber-needle massage-. B. L. Williams. No. 45,441; Mar. 17; Gaz. vol. 200; p. 835.
- Brush, Tooth-. E. Clapp. No. 45,180; Feb. 3; Gaz. vol. 199; p. 267.
- Brush, Tooth-. J. Lavenson. No. 46,650; Nov. 17; Gaz. vol. 208; p. 954.
- Brush, Tooth-. A. J. McDonagh and A. E. Webster. Nos. 45,198-9; Feb. 3; Gaz. vol. 199; pp. 270-1.
- Brush, Tooth-. J. J. Sarrazin. No. 46,450; Sept. 22; Gaz. vol. 206; p. 1143.
- Buckle. E. L. Morris. No. 45,154; Jan. 13; Gaz. vol. 198; p. 480.
- Buckle. C. F. Reynolds. Nos. 45,603-4; Apr. 14; Gaz. vol. 201; p. 538.
- Buckle. C. F. Reynolds. No. 45,818; May 19; Gaz. vol. 202; p. 923.
- Buckle. W. Rumble, Jr. No. 45,540; Mar. 31; Gaz. vol. 200; p. 1360.
- Buckle. W. A. Schleicher. No. 45,496; Mar. 24; Gaz. vol. 200; p. 1090.
- Buckle, Harness-. C. J. Cooper. No. 45,225; Feb. 10; Gaz. vol. 199; p. 575.
- Buckle, Web-. R. Miller. No. 45,760; May 12; Gaz. vol. 202; p. 605.
- Buggy-seat. C. O. Mainor. No. 45,428; Mar. 17; Gaz. vol. 200; p. 833.
- Building-block. G. A. Swanson. No. 46,706; Nov. 24; Gaz. vol. 208; p. 1332.
- Burner. L. P. Lively. No. 46,480; Sept. 29; Gaz. vol. 206; p. 1417.
- Business-system guide. H. Taylor. No. 46,654; Nov. 17; Gaz. vol. 208; p. 955.
- Butter-tong. E. L. Johnson. No. 45,533; Mar. 31; Gaz. vol. 200; p. 1358.
- Button. J. F. Byrne. No. 46,084; July 14; Gaz. vol. 204; p. 645.
- Button. S. Custen. No. 46,021; June 30; Gaz. vol. 203; p. 1523.
- Button. C. F. Hancock. No. 46,567; Oct. 20; Gaz. vol. 207; p. 893.
- Button. J. H. Hawley. No. 45,169; Jan. 20; Gaz. vol. 198; p. 677.
- Button. J. H. Hawley. No. 45,910; June 9; Gaz. vol. 203; p. 576.
- Button. J. H. Hawley. Nos. 45,991-3; June 23; Gaz. vol. 203; p. 1227.
- Button. J. H. Hawley. No. 46,125; July 21; Gaz. vol. 204; p. 979.
- Button. J. N. Whitehouse. Nos. 46,153-5; July 21; Gaz. vol. 204; p. 984.
- Button. J. N. Whitehouse. Nos. 46,300-1; Aug. 18; Gaz. vol. 205; p. 985.
- Button. J. N. Whitehouse. Nos. 46,464-5; Sept. 22; Gaz. vol. 206; p. 1146.
- Button, Collar-. A. L. Carlow. No. 46,358; Sept. 8; Gaz. vol. 206; p. 560.
- Button, Cuff-. A. Paluch. No. 46,181; July 28; Gaz. vol. 204; p. 1319.
- Button, fob, or similar article of jewelry. J. H. Risbeck. No. 45,819; May 19; Gaz. vol. 202; p. 924.
- Button-hook and bottle-opener, Combined. B. Valenzuela. No. 46,382; Sept. 8; Gaz. vol. 206; p. 564.
- Button protector, Cuff-. R. B. Rogers. No. 46,237; Aug. 4; Gaz. vol. 205; p. 275.
- Buttoner, Shoe-. F. J. Reynolds and D. Lenahan. No. 46,266; Aug. 11; Gaz. vol. 205; p. 630.
- Cabinet. H. C. Gowran. No. 45,623; Apr. 21; Gaz. vol. 201; p. 863.
- Cabinet. H. C. Gowran. Nos. 45,805-6; May 19; Gaz. vol. 202; p. 921.
- Cabinet. B. W. Haverfield. No. 45,934; June 16; Gaz. vol. 203; p. 889.
- Cabinet. J. Herzog. No. 45,460; Mar. 24; Gaz. vol. 200; p. 1083.
- Cabinet. C. H. Purcell. No. 46,792; Dec. 22; Gaz. vol. 209; p. 1289.
- Cabinet. J. Rubino. No. 45,126; Jan. 6; Gaz. vol. 198; p. 219.
- Cabinet, Auditorium-. D. F. Engleman. No. 45,865; June 2; Gaz. vol. 203; p. 272.
- Cabinet, Barber's sanitary. J. Fernsler. No. 45,747; May 12; Gaz. vol. 202; p. 603.
- Cabinet, Built-in kitchen-. M. C. Powell. No. 46,348; Sept. 1; Gaz. vol. 206; p. 287.
- Cabinet, Display-. H. A. Austin. No. 46,391; Sept. 15; Gaz. vol. 206; p. 846.
- Cabinet, Display-. M. J. Karpeles. No. 45,718; May 5; Gaz. vol. 202; p. 287.
- Cabinet, Display-. M. J. Karpeles. No. 46,436; Sept. 22; Gaz. vol. 206; p. 1140.
- Cabinet, Display-. T. R. Treiber. No. 46,380; Sept. 8; Gaz. vol. 206; p. 564.
- Cabinet, Dough-raising. A. R. Horlick. No. 46,365; Sept. 8; Gaz. vol. 206; p. 561.
- Cabinet, File-. E. A. Thompson. No. 45,359; Mar. 3; Gaz. vol. 200; p. 250.
- Cabinet for fish and other foods, Display-. C. Doering, Jr. No. 45,413; Mar. 17; Gaz. vol. 200; p. 831.
- Cabinet for talking-machines. E. T. Kieffer. No. 45,719; May 5; Gaz. vol. 202; p. 287.
- Cabinet, Jeweler's. E. F. Ashbrook. No. 46,307; Aug. 25; Gaz. vol. 205; p. 1292.
- Cabinet, Kitchen-. D. R. Curtenius. No. 46,047; July 7; Gaz. vol. 204; p. 284.
- Cabinet, Kitchen-. R. J. Irvin. No. 46,677; Nov. 24; Gaz. vol. 208; p. 1326.
- Cabinet, Kitchen-. M. J. Schuiling. No. 46,699; Nov. 24; Gaz. vol. 208; p. 1330.
- Cabinet, Sheet-metal kitchen-. L. F. and J. McClernan. No. 45,235; Feb. 10; Gaz. vol. 199; p. 577.
- Cabinet, Spool-. W. A. Leonard. No. 45,886; June 2; Gaz. vol. 203; p. 276.
- Cable-rack hanger. J. B. Strong. No. 45,918; June 9; Gaz. vol. 203; p. 577.
- Calculating-machine casing. C. A. Meilicke. No. 46,261; Aug. 11; Gaz. vol. 205; p. 629.
- Candelabrum. W. H. Costigan. No. 46,046; July 7; Gaz. vol. 204; p. 284.
- Candlestick. C. H. Gutmann. No. 46,124; July 21; Gaz. vol. 204; p. 979.
- Candlestick. A. J. Sanford. No. 46,319; Aug. 25; Gaz. vol. 205; p. 1294.
- Candy-receptacle. W. F. Pfeiffer. No. 45,204; Feb. 3; Gaz. vol. 199; p. 272.
- Cane or umbrella handle. J. Rzakosz. No. 46,780; Dec. 15; Gaz. vol. 209; p. 1028.

Alphabetical list of designs—Continued.

- Canister, Sheet-metal talcum-. H. R. Corey. No. 46,333; Sept. 1; Gaz. vol. 206; p. 284.
- Canopy, Bracket-. J. J. Nash. No. 46,443; Sept. 22; Gaz. vol. 206; p. 1142.
- Cap. L. Bacharach. No. 45,978; June 23; Gaz. vol. 203; p. 1224.
- Cap. A. G. Huettel. No. 45,596; Apr. 14; Gaz. vol. 201; p. 537.
- Cap, Bathing-. J. A. Murray. Nos. 46,408-10; Sept. 15; Gaz. vol. 206; p. 849.
- Car-body. J. F. and H. E. Dodge. No. 46,397; Sept. 15; Gaz. vol. 206; p. 847.
- Car-body. J. F. and H. E. Dodge. No. 46,565; Oct. 20; Gaz. vol. 207; p. 892.
- Car-body. J. V. Whitbeck. No. 45,579; Apr. 7; Gaz. vol. 201; p. 244.
- Carafe-holder. G. P. Altenberg. No. 45,220; Feb. 10; Gaz. vol. 199; p. 574.
- Carafes, Metal casing for vacuum-insulated. G. P. Altenberg. No. 45,098; Jan. 6; Gaz. vol. 198; p. 213.
- Carbid-container, Multiple. A. L. Hansen. No. 46,280; Aug. 18; Gaz. vol. 205; p. 981.
- Carbonator. I. N. Thomas. No. 45,511; Mar. 24; Gaz. vol. 200; p. 1093.
- Carbureter. W. H. De Fontaine. No. 45,591; Apr. 14; Gaz. vol. 201; p. 536.
- Card-case. L. Cohn. No. 46,332; Sept. 1; Gaz. vol. 206; p. 284.
- Card, Display-case. W. M. Williams. No. 46,013; June 23; Gaz. vol. 203; p. 1231.
- Card-holder. F. D. Peltier. No. 45,817; May 19; Gaz. vol. 202; p. 923.
- Cards, pictures, &c., Holder or support for. J. M. Washburn. Nos. 45,845-6; May 26; Gaz. vol. 202; p. 1234.
- Cards, Set of playing-. T. M. Down. No. 45,449; Mar. 24; Gaz. vol. 200; p. 1081.
- Cards, Set of playing-. T. M. Down. No. 45,547; Mar. 31; Gaz. vol. 200; p. 1361.
- Cards, Set of playing-. G. F. Kearney. No. 45,670; Apr. 28; Gaz. vol. 201; p. 1184.
- Cards, Set of playing-. F. A. Worden. No. 46,764; Dec. 8; Gaz. vol. 209; p. 660.
- Cards, Set of political playing-. M. S. Olsen. No. 45,269; Feb. 17; Gaz. vol. 199; p. 912.
- Cards, Suit of playing-. A. R. Mutton. No. 45,781; May 12; Gaz. vol. 202; p. 609.
- Carpet. W. A. Elliot. No. 45,452; Mar. 24; Gaz. vol. 200; p. 1082.
- Carpet. W. A. Elliot. No. 45,455; Mar. 24; Gaz. vol. 200; p. 1082.
- Carpet. W. A. Elliot. Nos. 45,620-1; Apr. 21; Gaz. vol. 201; pp. 862-3.
- Carpet. W. A. Elliot. No. 45,863; June 2; Gaz. vol. 203; p. 271.
- Carpet. H. C. Lacouture. No. 45,466; Mar. 24; Gaz. vol. 200; p. 1084.
- Carpet. J. Merry. No. 45,305; Feb. 24; Gaz. vol. 199; p. 1216.
- Carpet. J. Merry. No. 45,469; Mar. 24; Gaz. vol. 200; p. 1085.
- Carpet. J. Merry. No. 45,472; Mar. 24; Gaz. vol. 200; p. 1085.
- Carpet. R. F. Riddell. No. 45,484; Mar. 24; Gaz. vol. 200; p. 1088.
- Carpet. E. G. Sauer. No. 45,490; Mar. 24; Gaz. vol. 200; p. 1089.
- Carpet. E. G. Sauer. No. 45,651; Apr. 21; Gaz. vol. 201; p. 869.
- Carpet. F. Schindler. Nos. 45,494-5; Mar. 24; Gaz. vol. 200; p. 1090.
- Carpet. W. A. Spring. No. 45,506; Mar. 24; Gaz. vol. 200; p. 1092.
- Carpet. W. A. Spring. No. 45,508; Mar. 24; Gaz. vol. 200; p. 1092.
- Carpet or rug. J. F. Du Bois. No. 45,104; Jan. 6; Gaz. vol. 198; p. 214.
- Carpet or rug. J. T. Pegel. No. 45,915; June 9; Gaz. vol. 203; p. 577.
- Carpet-sweeper body. L. L. Ferguson. No. 46,800; Dec. 29; Gaz. vol. 209; p. 1668.
- Carriage body and hood, Child's. W. P. Layton. No. 46,389; Sept. 8; Gaz. vol. 206; p. 566.
- Carrier for valuables. L. H. Boch. No. 46,081; July 14; Gaz. vol. 204; p. 644.
- Carton. C. E. Daniels. No. 45,735; May 5; Gaz. vol. 202; p. 290.
- Case for timepieces. L. C. Connor. No. 45,902; June 9; Gaz. vol. 203; p. 574.
- Casket, Burial-. H. Burrlis. No. 45,551; Apr. 7; Gaz. vol. 201; p. 238.
- Casket, Couch-. H. F. Gardner. No. 45,930; June 16; Gaz. vol. 203; p. 888.
- Casket-handle. E. B. Stewart. No. 45,606; Apr. 14; Gaz. vol. 201; p. 538.
- Casket-handle and lugs. G. R. Bailey. No. 45,581; Apr. 14; Gaz. vol. 201; p. 534.
- Casket-handle and lugs. G. R. Bailey. No. 45,583; Apr. 14; Gaz. vol. 201; p. 534.
- Casket handle, Burial-. C. Blesch. Nos. 45,144-5; Jan. 13; Gaz. vol. 198; p. 478.
- Casket handle, Burial-. C. Blesch. No. 46,108; July 21; Gaz. vol. 204; p. 975.
- Casket handle, Burial-. C. Blesch. No. 46,242; Aug. 11; Gaz. vol. 205; p. 625.
- Casket handle, Burial-. C. Blesch. Nos. 46,657-8; Nov. 24; Gaz. vol. 208; p. 1322.
- Casket handle, Burial-. A. V. Eginton. No. 45,451; Mar. 24; Gaz. vol. 200; p. 1082.
- Casket handle-plate, Burial-. C. Blesch. No. 46,018; June 30; Gaz. vol. 203; p. 1523.
- Casket lid-lining, Burial-. J. F. Orr. No. 46,413; Sept. 15; Gaz. vol. 206; p. 850.
- Casket name-plate. G. R. Bailey. No. 45,582; Apr. 14; Gaz. vol. 201; p. 534.
- Casserole. R. Mohrhenn. No. 45,601; Apr. 14; Gaz. vol. 201; p. 538.
- Caster. J. De Leo. No. 45,740; May 12; Gaz. vol. 202; p. 601.
- Caster, Table-. M. Rudy. No. 46,033; June 30; Gaz. vol. 203; p. 1525.
- Ceiling-lights, Glass dome for. K. Booth. No. 45,146; Jan. 13; Gaz. vol. 198; p. 478.
- Chain, Watch-. G. E. Megraw. No. 45,121; Jan. 6; Gaz. vol. 198; p. 217.
- Chain, Watch-. J. E. Ramey. No. 46,369; Sept. 8; Gaz. vol. 206; p. 562.
- Chair-back. J. F. Walton. No. 45,279; Feb. 17; Gaz. vol. 199; p. 914.
- Chair-back. J. F. Walton. No. 45,663; Apr. 21; Gaz. vol. 201; p. 871.
- Chair-rack. S. L. Murphy. No. 45,237; Feb. 10; Gaz. vol. 199; p. 577.
- Chair seat-frame, Barber's-. C. Pfanschmidt. No. 46,064; July 7; Gaz. vol. 204; p. 287.
- Chandelier and bracket arm. C. E. Jones. No. 46,472; Sept. 29; Gaz. vol. 206; p. 1416.
- Chandeliers and bowls, Arm for. C. E. Jones. No. 46,471; Sept. 29; Gaz. vol. 206; p. 1416.
- Chandeliers and brackets, Arm for. C. E. Jones. No. 46,805; Dec. 29; Gaz. vol. 209; p. 1669.
- Chandeliers or light-reflecting bowls, Arm for. C. E. Jones. No. 46,476; Sept. 29; Gaz. vol. 206; p. 1417.
- Character-blocks, Set of. D. C. Baker. No. 45,249; Feb. 17; Gaz. vol. 199; p. 909.
- Check-protectors, Casing for. C. H. Sampson. No. 46,604; Oct. 27; Gaz. vol. 207; p. 1218.
- Check, Trading-. J. A. Kidwell. No. 45,559; Apr. 7; Gaz. vol. 201; p. 240.
- China-closet and writing-desk, Built-in combined. H. B. Stearns. No. 46,351; Sept. 1; Gaz. vol. 206; p. 288.
- Chisel, Wood-. E. M. Graham. No. 45,527; Mar. 31; Gaz. vol. 200; p. 1357.
- Chisel, Wood-. S. S. Vaughan. No. 45,277; Feb. 17; Gaz. vol. 199; p. 914.
- Christmas-tree fence. M. L. Beistle. No. 46,308; Aug. 25; Gaz. vol. 205; p. 1292.
- Christmas-tree holder. J. Kalna. No. 45,193; Feb. 3; Gaz. vol. 199; p. 269.
- Churn-stand. J. C. Everton. No. 45,255; Feb. 17; Gaz. vol. 199; p. 910.
- Cigar-cutter. J. Kaufman. No. 46,053; July 7; Gaz. vol. 204; p. 285.
- Cigar-cutter. C. I. Osterberg. No. 45,270; Feb. 17; Gaz. vol. 199; p. 913.
- Cigar-holder and ash-tray. S. Ronda. No. 45,892; June 2; Gaz. vol. 203; p. 277.
- Clasp. R. A. Moore. No. 46,003; June 23; Gaz. vol. 203; p. 1229.
- Clasp. H. E. Singleton. No. 46,009; June 23; Gaz. vol. 203; p. 1230.
- Cleaner casing, Pneumatic-. L. L. Ferguson. Nos. 45,150-1; Jan. 13; Gaz. vol. 198; p. 479.
- Clip. C. C. Gebhardt. No. 46,433; Sept. 22; Gaz. vol. 206; p. 1140.
- Cloaking. F. A. Springer. No. 45,897; June 2; Gaz. vol. 203; p. 277.
- Clock and savings-bank, Case for coin-controlled. J. Granz. No. 46,434; Sept. 22; Gaz. vol. 206; p. 1140.
- Clock-case. N. Shure. No. 46,008; June 23; Gaz. vol. 203; p. 1230.
- Clock-case, Souvenir. C. Peters and A. Jacobson. No. 46,578; Oct. 20; Gaz. vol. 207; p. 894.
- Clock-casing. E. Kienzle. No. 46,129; July 21; Gaz. vol. 204; p. 980.
- Clock-dial. E. A. Buck. No. 45,448; Mar. 24; Gaz. vol. 200; p. 1081.
- Clock housing stand, Alarm or drum-shaped. J. Marcus. No. 46,346; Sept. 1; Gaz. vol. 206; p. 287.
- Clocks or other articles, Case for. A. Teitelbaum. No. 46,138; July 21; Gaz. vol. 204; p. 981.
- Closet-seat. A. L. Waltensperger. No. 45,134; Jan. 6; Gaz. vol. 198; p. 220.
- Closet-seat. A. L. Waltensperger. No. 45,732; May 5; Gaz. vol. 202; p. 290.
- Clothes-line-fastening device. E. W. Stelmer. No. 46,326; Aug. 25; Gaz. vol. 205; p. 1296.
- Clothes-line holder. R. A. Dietterich. No. 45,988; June 23; Gaz. vol. 203; p. 1226.
- Clothes-line holder. J. P. Hansen. No. 45,667; Apr. 28; Gaz. vol. 201; p. 1183.

Alphabetical list of designs—Continued.

- Coaster. I. L. Bauman. No. 45,366; Mar. 10; Gaz. vol. 200; p. 550.
- Coaster. J. W. Palmer. No. 46,005; June 23; Gaz. vol. 203; p. 1229.
- Coat. F. Dette. No. 46,630; Nov. 10; Gaz. vol. 208; p. 626.
- Coat, Rain-. N. M. Bush. No. 46,244; Aug. 11; Gaz. vol. 205; p. 625.
- Cock or faucet. P. Mueller and A. C. Schuermann. No. 46,032; June 30; Gaz. vol. 203; p. 1525.
- Coffee-mill. J. F. Carson. No. 46,723; Dec. 8; Gaz. vol. 209; p. 652.
- Coffee, tea, and water heater. G. E. Curtiss. No. 45,184; Feb. 3; Gaz. vol. 199; p. 268.
- Coin-holder. R. E. McKee. No. 45,944; June 16; Gaz. vol. 203; p. 891.
- Coin-holder. W. H. Saart. Nos. 45,354-6; Mar. 3; Gaz. vol. 200; p. 249.
- Collar. H. Almaker. No. 45,611; Apr. 21; Gaz. vol. 201; p. 861.
- Collar-spacer. J. L. Weir. No. 46,151; July 21; Gaz. vol. 204; p. 983.
- Columnar support. H. Dalton. No. 45,858; June 2; Gaz. vol. 203; p. 271.
- Comb. V. Contessa. No. 45,739; May 12; Gaz. vol. 202; p. 601.
- Composition or blank book cover. W. V. Darling. No. 45,411; Mar. 17; Gaz. vol. 200; p. 830.
- Concentrator-frame. E. H. Moyle. No. 45,431; Mar. 17; Gaz. vol. 200; p. 833.
- Confection. J. A. Bachman. No. 45,285; Feb. 24; Gaz. vol. 199; p. 1213.
- Confection and chewing-gum. C. A. Crane. No. 45,925; June 16; Gaz. vol. 203; p. 888.
- Confection-container. T. G. Stough. No. 46,626; Nov. 3; Gaz. vol. 208; p. 308.
- Confection-receptacle. T. G. Stough. No. 46,705; Nov. 24; Gaz. vol. 208; p. 1331.
- Cooking-utensil body. V. W. Clisby. No. 45,664; Apr. 28; Gaz. vol. 201; p. 1183.
- Coop, Brooder-. W. Warnick and H. L. Lellich. No. 45,774; May 12; Gaz. vol. 202; p. 607.
- Coop, Poultry-. W. H. Matthai. No. 45,392; Mar. 10; Gaz. vol. 200; p. 554.
- Corner-piece and photographic display-cabinet. J. W. Westerdale. No. 45,578; Apr. 7; Gaz. vol. 201; p. 243.
- Cornet. C. G. Conn. No. 45,555; Apr. 7; Gaz. vol. 201; p. 239.
- Cornet. F. Holton. No. 46,501; Oct. 6; Gaz. vol. 207; p. 268.
- Cornet. H. E. Pepper. No. 45,483; Mar. 24; Gaz. vol. 200; p. 1088.
- Couch, Burial-. J. Lee. No. 45,564; Apr. 7; Gaz. vol. 201; p. 241.
- Cracker or like article. H. Handy. No. 45,152; Jan. 13; Gaz. vol. 198; p. 479.
- Crochet-balls to the user's wrist. Holder for securing. F. G. Heath. No. 46,126; July 21; Gaz. vol. 204; p. 979.
- Crochet-cotton holder. W. W. McChesney. No. 45,914; June 9; Gaz. vol. 203; p. 577.
- Crochet-stand. W. D. Reist. No. 46,137; July 21; Gaz. vol. 204; p. 981.
- Crucifix. W. O'Shea. No. 45,602; Apr. 14; Gaz. vol. 201; p. 538.
- Crucifix. M. Panchula. No. 46,511; Oct. 6; Gaz. vol. 207; p. 270.
- Crusher-frame. E. H. Moyle. No. 45,430; Mar. 17; Gaz. vol. 200; p. 833.
- Cup, Melting-. G. E. Lee. No. 45,840; May 26; Gaz. vol. 202; p. 1233.
- Curling-iron heater. F. Kuhn. No. 46,504; Oct. 6; Gaz. vol. 207; p. 268.
- Curtain fabric. Car-. C. J. Cronk. Nos. 46,274-5; Aug. 18; Gaz. vol. 205; p. 979.
- Curtain-fastener. G. W. J. Murphy. No. 46,688; Nov. 24; Gaz. vol. 208; p. 1328.
- Curtain-suspender. C. Kappfinger, Jr. No. 45,597; Apr. 14; Gaz. vol. 201; p. 537.
- Curtains, Scalloped and fringed lace bands for. S. Dorf. No. 46,591; Oct. 27; Gaz. vol. 207; p. 1215.
- Cushion, Water-. C. W. Meinecke. No. 45,122; Jan. 6; Gaz. vol. 198; p. 218.
- Cuticle implement. A. F. Girndt. No. 46,636; Nov. 10; Gaz. vol. 208; p. 627.
- Cycle horn, Motor-. E. H. Manson. No. 45,344; Mar. 3; Gaz. vol. 200; p. 247.
- Cycle horn, Motor-. R. H. Manson. Nos. 45,363-4; Mar. 3; Gaz. vol. 200; p. 251.
- Cycle wind-shield, Motor-. R. N. Ellis. No. 45,525; Mar. 31; Gaz. vol. 200; p. 1357.
- Denim, Printed. A. C. Stifel. No. 45,161; Jan. 13; Gaz. vol. 198; p. 481.
- Denim, Printed. E. W. Stifel. No. 45,162; Jan. 13; Gaz. vol. 198; p. 481.
- Dental molding-flask. T. G. Lewis. No. 45,842; May 26; Gaz. vol. 202; p. 1233.
- Desk. C. F. Kade. No. 46,741; Dec. 8; Gaz. vol. 209; p. 656.
- Desk, Built-in writing-. N. B. Douglass. No. 45,927; June 16; Gaz. vol. 203; p. 888.
- Dial-case for liquid-gages. R. C. Smith. No. 45,160; Jan. 13; Gaz. vol. 198; p. 481.
- Dial, Scale-. G. E. Chatillon. No. 46,662; Nov. 24; Gaz. vol. 208; p. 1323.
- Die. J. J. Heys. No. 45,115; Jan. 6; Gaz. vol. 198; p. 216.
- Die-holder. J. B. Martens. No. 46,056; July 7; Gaz. vol. 204; p. 285.
- Diffusion-disk. W. L. Forward. No. 45,335; Mar. 3; Gaz. vol. 200; p. 246.
- Dilator, Rectal. D. Rhodes. No. 45,962; June 16; Gaz. vol. 203; p. 895.
- Dish. H. De Vries. No. 45,926; June 16; Gaz. vol. 203; p. 888.
- Dish. W. J. Gibbons. No. 46,335; Sept. 1; Gaz. vol. 206; p. 284.
- Dish. G. A. Henckel. No. 45,752; May 12; Gaz. vol. 202; p. 603.
- Dish. W. D. Smith and R. J. Bourgeois. No. 46,453; Sept. 22; Gaz. vol. 206; p. 1144.
- Dish. A. N. Standerford. No. 45,679; Apr. 28; Gaz. vol. 201; p. 1185.
- Dish and fruit simulation. A. E. and P. A. Whitmore. No. 46,383; Sept. 8; Gaz. vol. 206; p. 564.
- Dish, Cover-. E. J. Johnson. No. 46,738; Dec. 8; Gaz. vol. 209; p. 656.
- Dish, Cover-. E. J. Johnson. No. 46,784; Dec. 15; Gaz. vol. 209; p. 1029.
- Dish, Covered. T. Haviland. No. 45,558; Apr. 7; Gaz. vol. 201; p. 240.
- Dish, Fern-. J. Warner. No. 46,012; June 23; Gaz. vol. 203; p. 1231.
- Dish holder, Resilient-. R. Sweers. No. 45,607; Apr. 14; Gaz. vol. 201; p. 539.
- Dish or similar article, Covered. C. E. Haviland. Nos. 45,109-12; Jan. 6; Gaz. vol. 198; pp. 215-16.
- Dispensing-receptacle and display-stand. N. G. Woodside. No. 45,362; Mar. 3; Gaz. vol. 200; p. 250.
- Display-board. F. J. Goldsoll. No. 45,417; Mar. 17; Gaz. vol. 200; p. 831.
- Display-cabinet. M. J. Karpeles. Nos. 45,536-7; Mar. 31; Gaz. vol. 200; p. 1359.
- Display-case. A. S. Klein. No. 45,342; Mar. 3; Gaz. vol. 200; p. 247.
- Display-rack. F. W. Gibson. No. 46,400; Sept. 15; Gaz. vol. 206; p. 848.
- Display-rack. G. A. Landers. No. 45,839; May 26; Gaz. vol. 202; p. 1232.
- Display-stand. A. H. Bamberger. No. 46,656; Nov. 24; Gaz. vol. 208; p. 1322.
- Display-stand. A. McDonald. No. 45,692; Apr. 28; Gaz. vol. 201; p. 1188.
- Display-stand. O. Moberg. Nos. 45,762-3; May 12; Gaz. vol. 202; p. 605.
- Dolly. R. P. J. Vercherre. No. 45,920; June 9; Gaz. vol. 203; p. 578.
- Doll. L. Gould. No. 46,637; Nov. 10; Gaz. vol. 208; p. 627.
- Doll. S. Haskell. No. 46,730; Dec. 8; Gaz. vol. 209; p. 654.
- Doll. E. Karg. No. 46,638; Nov. 10; Gaz. vol. 208; p. 628.
- Doll. M. Michtom. No. 46,747; Dec. 8; Gaz. vol. 209; p. 657.
- Doll. T. E. Stutson. No. 46,515; Oct. 6; Gaz. vol. 207; p. 270.
- Doll, Bisque. L. A. Searl. No. 46,006; June 23; Gaz. vol. 203; p. 1229.
- Doll, Character-. E. D. Titsworth. No. 45,244; Feb. 10; Gaz. vol. 199; p. 579.
- Doll or effigy. K. K. Grant. No. 45,873; June 2; Gaz. vol. 203; p. 273.
- Doll or toy figure. M. McAboy. Nos. 45,263-4; Feb. 17; Gaz. vol. 199; pp. 911-12.
- Door-check casing. T. Mooney. No. 46,002; June 23; Gaz. vol. 203; p. 1229.
- Door or window casing head. G. W. Hunter. No. 46,676; Nov. 24; Gaz. vol. 208; p. 1326.
- Double-hook clamp. C. E. Jones. No. 45,881; June 2; Gaz. vol. 203; p. 275.
- Douche-pan. J. Weinhardt, Jr. No. 46,486; Sept. 29; Gaz. vol. 206; p. 1419.
- Drapery. C. Weilert. No. 46,613; Oct. 27; Gaz. vol. 207; p. 1219.
- Draw-knife rack. C. A. Abbath. No. 45,139; Jan. 13; Gaz. vol. 198; p. 477.
- Drawer-section. C. C. Curtiss. No. 46,247; Aug. 11; Gaz. vol. 205; p. 626.
- Drills, Drill-holding head for miners'. C. E. Holt. No. 46,674; Nov. 24; Gaz. vol. 208; p. 1326.
- Drills, Housing for breast-. H. W. Pleister. No. 46,779; Dec. 15; Gaz. vol. 209; p. 1028.
- Drinking-fountain. F. H. Blackmarr. No. 46,797; Dec. 29; Gaz. vol. 209; p. 1667.
- Drinking-glass, Hygienic. W. S. Fisher. No. 46,619; Nov. 3; Gaz. vol. 208; p. 306.
- Drop-light fixtures, Plate for. P. Mohrmann. No. 45,764; May 12; Gaz. vol. 202; p. 606.

Alphabetical list of designs—Continued.

- Drop-light fixtures, Plate for. P. Mohrmann. No. 45,843; May 26; Gaz. vol. 202; p. 1233.
- Drop-light fixtures, Plate for. P. Mohrmann. Nos. 46,132-4; July 21; Gaz. vol. 204; pp. 980-1.
- Dynamo-base. V. G. Apple. No. 45,977; June 23; Gaz. vol. 203; p. 1224.
- Dynamo-casing. V. G. Apple. No. 46,306; Aug. 25; Gaz. vol. 205; p. 1292.
- Elastic webbing. F. H. Frissell. Nos. 45,167-8; Jan. 20; Gaz. vol. 198; p. 677.
- Electric lamp and shelf. R. Spencer. No. 46,718; Dec. 1; Gaz. vol. 209; p. 310.
- Electric-light fixture. A. C. Cobb. No. 46,664; Nov. 24; Gaz. vol. 208; p. 1324.
- Electric-light-fixture bracket. C. A. Hinsdill. No. 46,737; Dec. 8; Gaz. vol. 209; p. 656.
- Electric-lighting fixture. J. Walsh. No. 45,210; Feb. 3; Gaz. vol. 199; p. 273.
- Electric-switchboard pedestal. I. T. Swartz. No. 46,811; Dec. 29; Gaz. vol. 209; p. 1670.
- Electric switches, Casing for pendant. C. J. Klein. No. 46,130; July 21; Gaz. vol. 204; p. 980.
- Electrical ignition systems, Cam-ring for mechanical interrupters in. A. Krauss. No. 46,503; Oct. 6; Gaz. vol. 207; p. 268.
- Electrical translating devices, Casing for. J. B. Peters. No. 45,402; Mar. 10; Gaz. vol. 200; p. 556.
- Electrolier. F. K. Caswell. No. 46,724; Dec. 8; Gaz. vol. 209; p. 653.
- Emblem. J. H. Bechtold. No. 46,107; July 21; Gaz. vol. 204; p. 975.
- Emblem. K. Beetar. No. 45,549; Apr. 7; Gaz. vol. 201; p. 238.
- Emblem. R. C. Thompson. No. 45,824; May 19; Gaz. vol. 202; p. 925.
- Emblem. C. G. Turner. No. 46,485; Sept. 29; Gaz. vol. 206; p. 1418.
- Emblem. J. A. Salzman. No. 46,653; Nov. 17; Gaz. vol. 208; p. 955.
- Emblem. J. R. Smith. No. 45,895; June 2; Gaz. vol. 203; p. 277.
- Emblem, button, or similar article. A. C. Dexter. No. 45,665; Apr. 28; Gaz. vol. 201; p. 1183.
- Emblem for a religious society. H. F. Erichsen. No. 46,207; Aug. 4; Gaz. vol. 205; p. 269.
- Emblem, Fraternity-. W. E. Clarke. No. 45,288; Feb. 24; Gaz. vol. 199; p. 1213.
- Emblem or badge. G. E. Nerney. No. 46,099; July 14; Gaz. vol. 204; p. 648.
- Engine and connected dynamo, Combined frame for explosion-. A. Winton. No. 46,387; Sept. 8; Gaz. vol. 206; p. 565.
- Engine and connected dynamo, Frame for a stationary. A. Winton. No. 46,384; Sept. 8; Gaz. vol. 206; p. 565.
- Engine and connected transmission-casing, Frame for marine explosion-. A. Winton. No. 46,388; Sept. 8; Gaz. vol. 206; p. 566.
- Engine and transmission-casing, Frame for a marine explosion-. A. Winton. Nos. 46,385-6; Sept. 8; Gaz. vol. 206; p. 565.
- Engine casing, Hydrocarbon-. H. A. Budde. No. 46,467; Sept. 29; Gaz. vol. 206; p. 1415.
- Engine cylinder and casing, Gas-. R. E. Acre. No. 45,218; Feb. 10; Gaz. vol. 199; p. 574.
- Engine ignition device. J. B. Peters. No. 45,403; Mar. 10; Gaz. vol. 200; p. 556.
- Engine manifold, Internal-combustion-. H. H. Brautigam. No. 45,176; Feb. 3; Gaz. vol. 199; p. 266.
- Engine manifold, Internal-combustion-. H. H. Brautigam. No. 45,222; Feb. 10; Gaz. vol. 199; p. 574.
- Engines, Combined bonnet and radiator for automobile-. F. H. Royce. No. 45,695; Apr. 28; Gaz. vol. 201; p. 1188.
- Engines, Intake-manifold for gasoline-. B. O. Smith. No. 46,034; June 30; Gaz. vol. 203; p. 1525.
- Envelop opener and seal. T. J. McAdams. No. 45,599; Apr. 14; Gaz. vol. 201; p. 537.
- Escutcheon-plate. C. Sikorski. No. 46,350; Sept. 1; Gaz. vol. 206; p. 288.
- Exercisers, Swivel for. D. G. Daniels. No. 46,629; Nov. 10; Gaz. vol. 208; p. 626.
- Eyeglass screw-driver. J. L. Sommer. No. 46,703; Nov. 24; Gaz. vol. 208; p. 1331.
- Eyelet. G. M. Williams. No. 46,487; Sept. 29; Gaz. vol. 206; p. 1419.
- Fabric. E. Ericson. No. 46,122; July 21; Gaz. vol. 204; p. 978.
- Fabric. A. Heine. No. 45,874; June 2; Gaz. vol. 203; p. 273.
- Fabric. C. W. Klemm and E. W. Stifel. No. 46,639; Nov. 10; Gaz. vol. 208; p. 628.
- Fabric cover for water-bottles. E. D. Steer. No. 46,704; Nov. 24; Gaz. vol. 208; p. 1331.
- Fabric, Plush. B. A. Stroock. No. 46,352; Sept. 1; Gaz. vol. 206; p. 288.
- Fabric, Printed textile. W. C. Foster. No. 45,377; Mar. 10; Gaz. vol. 200; p. 552.
- Fabric, Printed textile. E. Hoch. Nos. 45,380-2; Mar. 10; Gaz. vol. 200; p. 553.
- Fabric, Printed textile. W. C. Korzinek. Nos. 45,385-7; Mar. 10; Gaz. vol. 200; pp. 553-4.
- Fabric, Printed textile. E. Madeleine. No. 45,391; Mar. 10; Gaz. vol. 200; p. 554.
- Fabric, Printed textile. E. Munier. Nos. 45,396-400; Mar. 10; Gaz. vol. 200; pp. 555-6.
- Fabric, Textile. R. Casaretto. No. 46,331; Sept. 1; Gaz. vol. 206; p. 283.
- Fabric, Textile. J. Dornbusch. No. 45,103; Jan. 6; Gaz. vol. 198; p. 214.
- Fabric, Textile. R. Gattiker. No. 46,597; Oct. 27; Gaz. vol. 207; p. 1216.
- Fabric, Textile. G. Gegenheimer. No. 46,635; Nov. 10; Gaz. vol. 208; p. 627.
- Fabric, Textile. H. R. Mallinson. No. 46,176; July 28; Gaz. vol. 204; p. 1318.
- Fabric, Textile. P. Scheidecker. No. 46,605; Oct. 27; Gaz. vol. 207; p. 1218.
- Fabric, Textile. H. Schroff and C. J. Cronk. No. 45,357; Mar. 3; Gaz. vol. 200; p. 250.
- Fabric, Textile. E. Sins. Nos. 46,606-12; Oct. 27; Gaz. vol. 207; pp. 1218-19.
- Fan, Table-. H. Tideman. No. 46,781; Dec. 15; Gaz. vol. 209; p. 1029.
- Farm-tractor body. M. S. Walton. No. 46,709; Nov. 24; Gaz. vol. 208; p. 1332.
- Fastener. J. F. Galvin. No. 45,909; June 9; Gaz. vol. 203; p. 576.
- Faucet. C. M. Hoffman. No. 46,024; June 30; Gaz. vol. 203; p. 1523.
- Faucet. R. G. Savill. No. 46,238; Aug. 4; Gaz. vol. 205; p. 275.
- Faucet-bracket for electrical water-heaters. R. A. Bower. No. 45,612; Apr. 21; Gaz. vol. 201; p. 861.
- Faucets and other articles, Handle for. J. H. Glauber. No. 45,227; Feb. 10; Gaz. vol. 199; p. 575.
- Feeder. A. B. Moe. No. 46,288; Aug. 18; Gaz. vol. 205; p. 982.
- Fender, Grate-. J. M. Satterfield. No. 45,649; Apr. 21; Gaz. vol. 201; p. 868.
- Ferrule for knives or similar articles. G. E. Curtiss. No. 45,796; May 19; Gaz. vol. 202; p. 919.
- File, container, or book-cover. L. A. Lebowich. No. 45,672; Apr. 28; Gaz. vol. 201; p. 1184.
- Filing appliances, Clamping member for. H. J. Heck. No. 45,192; Feb. 3; Gaz. vol. 199; p. 269.
- Fire-engine body, Automobile. H. G. Farr. No. 45,416; Mar. 17; Gaz. vol. 200; p. 831.
- Fire-extinguisher body. A. L. Hansen. No. 46,771; Dec. 15; Gaz. vol. 209; p. 1027.
- Fire-extinguishers, Casing for hand. W. H. Tibbals. No. 46,011; June 23; Gaz. vol. 203; p. 1230.
- Fireplace. W. J. Thurmond. No. 46,516; Oct. 6; Gaz. vol. 207; p. 270.
- Flag. J. B. Munson. No. 46,539; Oct. 13; Gaz. vol. 207; p. 585.
- Flag-holder. W. J. Heller. No. 46,363; Sept. 8; Gaz. vol. 206; p. 561.
- Flag-holder for soldiers' graves and other decorative purposes. M. L. Redd. No. 46,349; Sept. 1; Gaz. vol. 206; p. 287.
- Flag, Home-. Z. H. Copp. No. 46,525; Oct. 13; Gaz. vol. 207; p. 583.
- Flag or similar article. V. Struogis. No. 45,731; May 5; Gaz. vol. 202; p. 290.
- Flagman, Wigwag. J. A. Bell. No. 45,784; May 19; Gaz. vol. 202; p. 917.
- Flagstaff-holder. H. C. Tice. No. 46,417; Sept. 15; Gaz. vol. 206; p. 851.
- Flooring, Tile. J. Hasbrouck. No. 46,251; Aug. 11; Gaz. vol. 205; p. 627.
- Flower, Artificial. D. J. Branning. No. 45,985; June 23; Gaz. vol. 203; p. 1225.
- Flower, Artificial. W. Waldman. No. 46,397; Sept. 15; Gaz. vol. 206; p. 847.
- Flower-holder. A. E. Bond. No. 45,409; Mar. 17; Gaz. vol. 200; p. 830.
- Flower-pot. J. C. Traylor. No. 46,645; Nov. 10; Gaz. vol. 208; p. 629.
- Fly-trap. O. H. and V. V. Gillespie. No. 45,622; Apr. 21; Gaz. vol. 201; p. 863.
- Fly-trap. J. Szotak and C. Balazs. No. 46,457; Sept. 22; Gaz. vol. 206; p. 1145.
- Fork and spoon. C. A. Ford. No. 45,189; Feb. 3; Gaz. vol. 199; p. 269.
- Fork, spoon, or similar article. T. B. Lashar. No. 45,195; Feb. 3; Gaz. vol. 199; p. 270.
- Furniture-brace. A. Wanner, Jr. Nos. 46,460-2; Sept. 22; Gaz. vol. 206; pp. 1145-6.
- Furniture-brace. E. P. Wanner. No. 46,587; Oct. 20; Gaz. vol. 207; p. 896.
- Furniture, Sectional store. C. C. Curtiss. No. 46,248; Aug. 11; Gaz. vol. 205; p. 626.
- Furniture, Sideboard or similar article of. M. J. Bernhard. No. 46,713; Dec. 1; Gaz. vol. 209; p. 310.
- Furniture-legs, Socket-foot for. S. M. Lawson. No. 45,196; Feb. 3; Gaz. vol. 199; p. 270.
- Game-board. S. M. Dowst. No. 46,163; July 28; Gaz. vol. 204; p. 1315.

Alphabetical list of designs—Continued.

- Game-board. M. J. Fitzgerald. No. 45,705; May 5; Gaz. vol. 202; p. 285.
- Game-board. L. Gaworski. No. 46,801; Dec. 29; Gaz. vol. 209; p. 1668.
- Game-board. W. R. Lockhart. No. 46,437; Sept. 22; Gaz. vol. 206; p. 1140.
- Game-board. A. A. Rees. No. 46,581; Oct. 20; Gaz. vol. 207; p. 895.
- Game-board. A. J. Williams. No. 45,211; Feb. 3; Gaz. vol. 199; p. 273.
- Game-board or puzzle. F. M. Jobson. No. 45,809; May 19; Gaz. vol. 202; p. 922.
- Garment. J. G. Campbell and C. N. Woolner. Nos. 46,589-90; Oct. 27; Gaz. vol. 207; p. 1215.
- Garment. F. C. Keller and C. E. Oathout. No. 46,167; July 28; Gaz. vol. 204; p. 1316.
- Garment. C. N. Woolner and J. G. Campbell. Nos. 46,615-16; Oct. 27; Gaz. vol. 207; p. 1220.
- Garment-hanger. G. Pohl. No. 46,100; July 14; Gaz. vol. 204; p. 648.
- Garment-hanger. R. Thamm. No. 45,437; Mar. 17; Gaz. vol. 200; p. 834.
- Garter-clamp. W. B. Hill. No. 45,669; Apr. 28; Gaz. vol. 201; p. 1183.
- Gas and vapor burner. J. E. Lockwood. No. 45,390; Mar. 10; Gaz. vol. 200; p. 554.
- Gas-burner crown, Inverted-. L. B. London. No. 45,427; Mar. 17; Gaz. vol. 200; p. 833.
- Gas-heater. A. H. Koch. No. 46,478; Sept. 29; Gaz. vol. 206; p. 1417.
- Gas-heater. A. H. Wolff. No. 45,214; Feb. 3; Gaz. vol. 199; p. 274.
- Gas-plate. M. S. C. Hartmann. No. 45,339; Mar. 3; Gaz. vol. 200; p. 246.
- Gas-shut-off pull-box. S. H. Brooks. No. 46,660; Nov. 24; Gaz. vol. 208; p. 1323.
- Gas-vaporizer receptacle. R. A. Kiefer. No. 46,402; Sept. 15; Gaz. vol. 206; p. 848.
- Gate, Souvenir emblematic. T. Jelsema and H. Russell. No. 46,804; Dec. 29; Gaz. vol. 209; p. 1669.
- Gear-casing. C. J. Allen. No. 45,828; May 26; Gaz. vol. 202; p. 1230.
- Gear casing, Reverse-. H. A. Budde. No. 46,394; Sept. 15; Gaz. vol. 206; p. 847.
- Gem, Cut. M. L. Robbins. No. 45,353; Mar. 3; Gaz. vol. 200; p. 249.
- Gem-setting. C. T. Wittstein. No. 46,521; Oct. 6; Gaz. vol. 207; p. 271.
- Glass article of manufacture. W. P. Feeney. No. 45,188; Feb. 3; Gaz. vol. 199; p. 268.
- Glass dish or similar article. A. J. Sanford. No. 45,893; June 2; Gaz. vol. 203; p. 277.
- Glass display-jar. E. R. Stucky. No. 45,898; June 2; Gaz. vol. 203; p. 278.
- Glass jar. R. Haley. No. 45,228; Feb. 10; Gaz. vol. 199; p. 576.
- Glass jar. R. Haley. No. 45,296; Feb. 24; Gaz. vol. 199; p. 1215.
- Glass or similar article. E. Zahn. No. 46,156; July 21; Gaz. vol. 204; p. 984.
- Glass or tumbler, Drinking-. E. Krall. No. 46,806; Dec. 29; Gaz. vol. 209; p. 1669.
- Glass panel. R. L. Mattocks and J. D. Maher. No. 45,887; June 2; Gaz. vol. 203; p. 276.
- Glass shade or reflector. O. A. Mygatt. No. 46,098; July 14; Gaz. vol. 204; p. 648.
- Glass shade or reflector. O. A. Mygatt. No. 46,347; Sept. 1; Gaz. vol. 206; p. 287.
- Glass shade or reflector, Corrugated pressed-. O. A. Mygatt. No. 46,058; July 7; Gaz. vol. 204; p. 286.
- Glass shade, reflector, or similar article. J. Kappler. No. 46,742; Dec. 8; Gaz. vol. 209; p. 656.
- Glass, Sheet-. H. L. J. Crochet. No. 45,795; May 19; Gaz. vol. 202; p. 919.
- Glass vessel. O. S. Atterholt. No. 45,319; Mar. 5; Gaz. vol. 200; p. 243.
- Glass vessel. H. Demer. No. 45,742; May 12; Gaz. vol. 202; p. 602.
- Glass vessel. R. Haley. No. 45,229; Feb. 10; Gaz. vol. 199; p. 576.
- Glass vessel, Cut-. A. Carlson. No. 45,987; June 23; Gaz. vol. 203; p. 1226.
- Glass vessel, Cut-. J. F. Rothfus. No. 46,652; Nov. 17; Gaz. vol. 208; p. 955.
- Glass vessel, Cut-. A. Turner. No. 45,276; Feb. 17; Gaz. vol. 199; p. 914.
- Glasses or similar articles. A. Gredelue. No. 45,528; Mar. 31; Gaz. vol. 200; p. 1357.
- Globe. W. F. M. Hawe. No. 46,435; Sept. 22; Gaz. vol. 206; p. 1140.
- Globe or similar article. H. E. Watkins. Nos. 45,775-8; May 12; Gaz. vol. 202; p. 608.
- Goblet. E. W. Newton. No. 45,200; Feb. 3; Gaz. vol. 199; p. 271.
- Goblet. C. W. Oldham. No. 46,060; July 7; Gaz. vol. 204; p. 286.
- Goblet or similar article. C. Heisey. No. 46,733; Dec. 8; Gaz. vol. 209; p. 655.
- Goblet or similar article. A. J. Sanford. No. 46,322; Aug. 25; Gaz. vol. 205; p. 1295.
- Goblet or similar article. A. J. Sanford. Nos. 46,642-3; Nov. 10; Gaz. vol. 208; pp. 628-9.
- Golf-ball. W. Pearce. No. 46,778; Dec. 15; Gaz. vol. 209; p. 1028.
- Golf putting device. C. H. Minshall. No. 45,306; Feb. 24; Gaz. vol. 199; p. 1216.
- Grate. J. E. Kennedy. No. 46,530; Oct. 13; Gaz. vol. 207; p. 584.
- Grease-cup cap. A. R. Pribil. No. 45,726; May 5; Gaz. vol. 202; p. 289.
- Grinding-tools, Casting-die for. C. H. True. No. 46,459; Sept. 22; Gaz. vol. 206; p. 1145.
- Grip or bag, Traveler's. H. L. Kennedy. No. 46,312; Aug. 25; Gaz. vol. 205; p. 1293.
- Hair-pin. P. Bernstein. No. 46,524; Oct. 13; Gaz. vol. 207; p. 583.
- Hammer. A. A. Rainwater. No. 46,692; Nov. 24; Gaz. vol. 208; p. 1329.
- Hammer-head. W. J. Fleischauer and H. Richardson. No. 45,690; Apr. 28; Gaz. vol. 201; p. 1187.
- Hammer, Tapping-. C. S. Duval. No. 45,907; June 9; Gaz. vol. 203; p. 575.
- Handle for spoons, forks, or similar articles. F. R. Roberts, Jr. No. 46,717; Dec. 1; Gaz. vol. 209; p. 310.
- Hanger or similar article. M. Stransky. No. 45,315; Feb. 24; Gaz. vol. 199; p. 1218.
- Hanger or the like. A. H. Davies. No. 45,859; June 2; Gaz. vol. 203; p. 271.
- Harness-rack. J. H. Lampe. No. 45,639; Apr. 21; Gaz. vol. 201; p. 866.
- Harness turnback loop. T. A. Fox. No. 46,398; Sept. 15; Gaz. vol. 206; p. 847.
- Harp, Framed. R. Brendum. No. 46,659; Nov. 24; Gaz. vol. 208; p. 1323.
- Hat. E. L. Campe. No. 45,178; Feb. 3; Gaz. vol. 199; p. 267.
- Hat. E. Collins. No. 45,522; Mar. 31; Gaz. vol. 200; p. 1356.
- Hat-brim-press machines, Rubber bag for. W. E. Turner. No. 45,975; June 16; Gaz. vol. 203; p. 897.
- Hat-rack. A. E. Jones. No. 46,678; Nov. 24; Gaz. vol. 208; p. 1326.
- Headlight-body, Automobile. G. Williams. No. 45,136; Jan. 6; Gaz. vol. 198; p. 221.
- Heater. W. R. Jeavons. No. 46,343; Sept. 1; Gaz. vol. 206; p. 286.
- Heater. R. and M. Kirkwood. No. 45,757; May 12; Gaz. vol. 202; p. 604.
- Heater. T. C. Vermilye and D. B. Hislop. No. 45,439; Mar. 17; Gaz. vol. 200; p. 835.
- Heater casing, Gas-. G. H. Minier. No. 45,947; June 16; Gaz. vol. 203; p. 892.
- Heater, Electric. J. D. Lamont. No. 45,232; Feb. 10; Gaz. vol. 199; p. 576.
- Hinge. A. W. Stedman. No. 45,823; May 19; Gaz. vol. 202; p. 924.
- Hinge. S. Viragh. No. 45,209; Feb. 3; Gaz. vol. 199; p. 273.
- Hinge-leaf. J. C. Griffin. No. 46,496; Oct. 6; Gaz. vol. 207; p. 267.
- Hip-strap ornament and trace-carrier, Combined. W. C. Kauffman. No. 46,744; Dec. 8; Gaz. vol. 209; p. 757.
- Horn. E. Kaufmann. No. 46,502; Oct. 6; Gaz. vol. 207; p. 268.
- Horn-casing. E. Aufero. No. 46,522; Oct. 13; Gaz. vol. 207; p. 582.
- Hose. H. H. West. No. 46,627; Nov. 3; Gaz. vol. 208; p. 308.
- Hot-air register. H. W. Symonds. No. 45,316; Feb. 24; Gaz. vol. 199; p. 1219.
- Hub-cap. D. T. Hastings. No. 46,499; Oct. 6; Gaz. vol. 207; p. 267.
- Hub, Wheel-. C. S. Ash. Nos. 45,829-30; May 26; Gaz. vol. 202; p. 1231.
- Humidor. W. A. French. No. 45,526; Mar. 31; Gaz. vol. 200; p. 1357.
- Hydroaeroplane body. E. F. Gallaudet. No. 45,106; Jan. 6; Gaz. vol. 198; p. 215.
- Ice-cream cone. P. C. Flagstad. No. 45,748; May 12; Gaz. vol. 202; p. 603.
- Ice-cream-cone holder. W. A. G. Wilson. No. 46,195; July 28; Gaz. vol. 204; p. 1322.
- Ice-pick handle. J. L. Sommer. No. 45,499; Mar. 24; Gaz. vol. 200; p. 1091.
- Igniter. L. V. Aronson. No. 45,407; Mar. 17; Gaz. vol. 200; p. 830.
- Image. K. Jordan. Nos. 45,534-5; Mar. 31; Gaz. vol. 200; p. 1359.
- Incubator. H. M. Sheer. No. 45,434; Mar. 17; Gaz. vol. 200; p. 834.
- Inkstand. C. H. Numan. No. 46,482; Sept. 29; Gaz. vol. 206; p. 1418.
- Inkstand. O. P. Walberg. No. 46,520; Oct. 6; Gaz. vol. 207; p. 271.
- Inkstand. F. A. Weeks. No. 45,779; May 12; Gaz. vol. 202; p. 608.
- Insulator. A. O. Austin. No. 46,014; June 30; Gaz. vol. 203; p. 1522.
- Insulator. C. L. Bundy. No. 46,243; Aug. 11; Gaz. vol. 205; p. 625.

Alphabetical list of designs—Continued.

- Insulator. W. Schaae. No. 46,451; Sept. 22; Gaz. vol. 206; p. 1144.
- Insulator. T. C. White. No. 45,172; Jan. 20; Gaz. vol. 198; p. 678.
- Irrigator-reservoir. C. W. Meinecke. No. 45,567; Apr. 7; Gaz. vol. 201; p. 242.
- Jacket. A. Szezepanski. No. 46,812; Dec. 29; Gaz. vol. 209; p. 1670.
- Jar, Lavender-. A. J. Sanford. No. 45,542; Mar. 31; Gaz. vol. 200; p. 1360.
- Jar or receptacle. J. C. Eichhorn. No. 45,801; May 19; Gaz. vol. 202; p. 920.
- Jewelry-display box or case. C. L. Depollier. Nos. 46,117-20; July 21; Gaz. vol. 204; pp. 977-8.
- Jug, Molasses-. A. J. Sanford. No. 45,541; Mar. 31; Gaz. vol. 200; p. 1360.
- Kettle. E. A. Farr. No. 45,332; Mar. 3; Gaz. vol. 200; p. 245.
- Key-hook. E. Cantrell and S. B. Kahneweiler. No. 46,019; June 30; Gaz. vol. 203; p. 1523.
- Key-ring and bottle-opener. E. G. Falconer. No. 46,468; Sept. 29; Gaz. vol. 206; p. 1415.
- Key-wrench, bottle-cap opener, and key-ring. W. T. Stewart. No. 46,269; Aug. 11; Gaz. vol. 205; p. 631.
- Kitchen-rack. G. L. Webb. No. 46,150; July 21; Gaz. vol. 204; p. 983.
- Knife and saw, Combined. A. M. Greer. No. 46,091; July 14; Gaz. vol. 204; p. 647.
- Knife, Fruit and vegetable. H. Bosworth. No. 46,161; July 28; Gaz. vol. 204; p. 1315.
- Knife-handle. C. W. Tillmanns. No. 45,546; Mar. 31; Gaz. vol. 200; p. 1361.
- Knife-handle. C. W. Tillmanns. No. 46,583; Oct. 20; Gaz. vol. 207; p. 895.
- Knife, Orange or grape-fruit. J. L. Anderson. No. 46,159; July 28; Gaz. vol. 204; p. 1315.
- Knife, Pocket-. A. Peres. No. 46,414; Sept. 15; Gaz. vol. 206; p. 850.
- Knitted millinery fabric. J. A. Hartenstein. No. 45,419; Mar. 17; Gaz. vol. 200; p. 832.
- Knitted trimming for underwear. M. N. Aaron. Nos. 46,104-5; July 21; Gaz. vol. 204; p. 974.
- Knocker, Door-. G. C. Gebelein. No. 46,088; July 14; Gaz. vol. 204; p. 646.
- Label-blank. A. Falk. No. 45,376; Mar. 10; Gaz. vol. 200; p. 552.
- Label-blank. A. Falk. No. 45,704; May 5; Gaz. vol. 202; p. 285.
- Label-blank. A. Falk. No. 45,744; May 12; Gaz. vol. 202; p. 602.
- Label-blank. G. A. Petit. No. 46,182; July 28; Gaz. vol. 204; p. 1319.
- Lace. A. Campbell. No. 45,177; Feb. 3; Gaz. vol. 199; p. 266.
- Lace. M. Henkels. No. 45,422; Mar. 17; Gaz. vol. 200; p. 832.
- Lace. L. Mayer. No. 45,913; June 9; Gaz. vol. 203; p. 576.
- Lace and shoe-tongue holder. Shoe-. G. W. Dunham. No. 45,862; June 2; Gaz. vol. 203; p. 271.
- Lace draping, Crochet. M. A. Hees. No. 46,732; Dec. 8; Gaz. vol. 209; p. 654.
- Lace edging. S. N. Goodman. No. 45,872; June 2; Gaz. vol. 203; p. 273.
- Lace-edging border. P. Frankel. No. 45,867; June 2; Gaz. vol. 203; p. 272.
- Lace-edging border. C. W. H. Kostenbader. No. 45,884; June 2; Gaz. vol. 203; p. 275.
- Lace, Levers. C. W. Birkin. Nos. 45,323-6; Mar. 3; Gaz. vol. 200; pp. 243-4.
- Lamp. W. F. Anklaam. No. 46,272; Aug. 18; Gaz. vol. 205; p. 979.
- Lamp. J. Brace. No. 45,100; Jan. 6; Gaz. vol. 198; p. 213.
- Lamp. J. S. Burdick. No. 45,699; May 5; Gaz. vol. 202; p. 284.
- Lamp. E. A. Hawthorne. No. 45,691; Apr. 28; Gaz. vol. 201; p. 1187.
- Lamp. E. A. Hawthorne. No. 45,750; May 12; Gaz. vol. 202; p. 603.
- Lamp. R. M. Newbold. No. 46,264; Aug. 11; Gaz. vol. 205; p. 630.
- Lamp, Acetylene-. F. W. Law. No. 45,758; May 12; Gaz. vol. 202; p. 604.
- Lamp-body for miners' lamps. F. E. Baldwin. No. 45,514; Mar. 31; Gaz. vol. 200; p. 1355.
- Lamp, Carriage-. J. H. Hill. No. 46,093; July 14; Gaz. vol. 204; p. 647.
- Lamp, Combination-. J. R. Pagin. No. 45,350; Mar. 3; Gaz. vol. 200; p. 248.
- Lamp, Electric bracket-. C. Kaufman. No. 46,569; Oct. 20; Gaz. vol. 207; p. 893.
- Lamp, Electric hand-. J. H. Goebst. No. 46,279; Aug. 18; Gaz. vol. 205; p. 980.
- Lamp fixture, Deck-. J. Kirby, Jr. No. 45,464; Mar. 24; Gaz. vol. 200; p. 1084.
- Lamp fixture, Electric-. J. Kirby, Jr. No. 45,465; Mar. 24; Gaz. vol. 200; p. 1084.
- Lamp-fixture, Hanging. J. Kirby, Jr. No. 45,463; Mar. 24; Gaz. vol. 200; p. 1084.
- Lamp-fixture, Pendant. J. Kirby, Jr. No. 45,462; Mar. 24; Gaz. vol. 200; p. 1084.
- Lamp, Gas-. A. H. Humphrey. No. 45,461; Mar. 24; Gaz. vol. 200; p. 1083.
- Lamp, Gas-. A. H. Humphrey. No. 45,635; Apr. 21; Gaz. vol. 201; p. 865.
- Lamp-globe. C. Auth and N. L. Schloss. No. 46,555; Oct. 20; Gaz. vol. 207; p. 890.
- Lamp-globe, Automobile. A. K. Miller. No. 46,097; July 14; Gaz. vol. 204; p. 648.
- Lamp, Inverted gas-. C. D. Wright. No. 45,921; June 9; Gaz. vol. 203; p. 578.
- Lamp-lens. S. W. Osgood. No. 45,724; May 5; Gaz. vol. 202; p. 288.
- Lamp, Portable electric. J. J. Brownrigg, H. Henderson, and A. E. Case. No. 46,427; Sept. 22; Gaz. vol. 206; p. 1138.
- Lamp-post. E. D. Smith. No. 46,514; Oct. 6; Gaz. vol. 207; p. 270.
- Lamp-shade. F. M. Brinckerhoff. No. 45,521; Mar. 31; Gaz. vol. 200; p. 1356.
- Lamp-shade. H. S. Evans. No. 45,415; Mar. 17; Gaz. vol. 200; p. 831.
- Lamp-shade. H. S. Evans. No. 46,667; Nov. 24; Gaz. vol. 208; p. 1324.
- Lamp-shade. E. F. Guth. No. 45,557; Apr. 7; Gaz. vol. 201; p. 240.
- Lamp-shade. H. L. Lissfelt. No. 45,641; Apr. 21; Gaz. vol. 201; p. 867.
- Lamp-shade. R. V. Owen. No. 45,349; Mar. 3; Gaz. vol. 200; p. 248.
- Lamp-shade. M. G. Ray. No. 45,727; May 5; Gaz. vol. 202; p. 289.
- Lamp-shade. J. A. Snell. No. 45,771; May 12; Gaz. vol. 202; p. 607.
- Lamp-shade. L. C. Tiffany. No. 45,205; Feb. 3; Gaz. vol. 199; p. 272.
- Lamp-shade. L. W. Young. No. 45,137; Jan. 6; Gaz. vol. 198; p. 221.
- Lamp shade and reflector. H. F. Voshardt. No. 46,418; Sept. 15; Gaz. vol. 206; p. 851.
- Lamp shade, Electric-. H. E. Gustafson. No. 45,808; May 19; Gaz. vol. 202; p. 922.
- Lamp shade or reflector. F. L. Grant and C. A. Brown. Nos. 45,624-9; Apr. 21; Gaz. vol. 201; pp. 863-4.
- Lamp-shade standard. J. M. Re Maker. No. 46,512; Oct. 6; Gaz. vol. 207; p. 270.
- Lamp, Street-. J. D. Blake. No. 45,785; May 19; Gaz. vol. 202; p. 918.
- Lamp, Tail-. R. H. Welles. No. 46,270; Aug. 11; Gaz. vol. 205; p. 631.
- Lamp, Vehicle-. C. E. Godley. No. 46,495; Oct. 6; Gaz. vol. 207; p. 267.
- Lamp, Vehicle-. F. S. Stafford. No. 46,455; Sept. 22; Gaz. vol. 206; p. 1144.
- Lamp, Vehicle-. K. H. Thompson. No. 45,545; Mar. 31; Gaz. vol. 200; p. 1361.
- Lamp with slidable contact-handle, Electric. W. Braune. No. 45,832; May 26; Gaz. vol. 202; p. 1231.
- Lamps and lamp-supply containers, Mounting for. E. A. Hawthorne. No. 46,092; July 14; Gaz. vol. 204; p. 647.
- Lamps, Bonnet for miners' safety-. E. F. Koehler. No. 46,403; Sept. 15; Gaz. vol. 206; p. 848.
- Lamps, Casing for electric gage-. F. F. Schottky. No. 46,452; Sept. 22; Gaz. vol. 206; p. 1144.
- Lantern base, Electric-. F. A. Fischrupp. No. 46,051; July 7; Gaz. vol. 204; p. 284.
- Lantern-dome. D. P. Murphy. No. 45,155; Jan. 13; Gaz. vol. 198; p. 480.
- Lantern frame, Tubular-. W. McArthur, Jr. No. 45,266; Feb. 17; Gaz. vol. 199; p. 912.
- Lantern, Tubular. W. and W. McArthur, Jr. No. 45,265; Feb. 17; Gaz. vol. 199; p. 912.
- Last, Darning-. G. Kiernan. No. 45,996; June 23; Gaz. vol. 203; p. 1228.
- Latch-casing. L. A. Young. No. 46,305; Aug. 18; Gaz. vol. 205; p. 986.
- Latch devices, Base for spring-. C. W. Landauer. No. 46,579; Oct. 20; Gaz. vol. 207; p. 893.
- Lathering implement. J. L. Erskine. No. 46,208; Aug. 4; Gaz. vol. 205; p. 270.
- Lavatory. S. P. Alpaugh. No. 45,284; Feb. 24; Gaz. vol. 199; p. 1212.
- Lavatory-bowl base. I. A. Mann. No. 46,438; Sept. 22; Gaz. vol. 206; p. 1141.
- Lavatory or washstand. L. G. Allen. No. 45,283; Feb. 24; Gaz. vol. 199; p. 1212.
- Lavatory or washstand. A. Cochran. No. 45,289; Feb. 24; Gaz. vol. 199; p. 1213.
- Lawn-sprinkler. C. C. Armstrong. No. 45,216; Feb. 3; Gaz. vol. 199; p. 275.
- Leather. C. Brandt. No. 46,082; July 14; Gaz. vol. 204; p. 645.
- Leather. C. Brandt. No. 46,714; Dec. 1; Gaz. vol. 209; p. 310.
- Lemon-squeezer. W. A. Hand. No. 46,339; Sept. 1; Gaz. vol. 206; p. 285.
- Lens-clip. F. Hamilton. No. 45,630; Apr. 21; Gaz. vol. 201; p. 864.

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- Lens, Prism-. L. G. Mullen. No. 45,123; Jan. 6; Gaz. vol. 198; p. 218.
- Letter-box, Street. J. W. Cutler. No. 45,524; Mar. 31; Gaz. vol. 200; p. 1357.
- Letter-head. L. S. Levy. No. 45,640; Apr. 21; Gaz. vol. 201; p. 866.
- Lifting-jack standard. W. F. Harrah and W. H. Parkin. No. 45,837; May 26; Gaz. vol. 202; p. 1232.
- Light-fixture canopy. G. A. Crisman. No. 45,834; May 26; Gaz. vol. 202; p. 1231.
- Light inclosure, Artificial-. C. A. Brown. No. 45,613; Apr. 21; Gaz. vol. 201; p. 861.
- Light inclosure, Artificial-. C. B. Ott. Nos. 46,061-2; July 7; Gaz. vol. 204; pp. 286-7.
- Light inclosure, Artificial-. C. B. Ott. No. 46,541; Oct. 13; Gaz. vol. 207; p. 585.
- Light inclosure, Artificial-. C. B. Ott. No. 46,575; Oct. 20; Gaz. vol. 207; p. 894.
- Light-reflecting-bowl clamp. C. E. Jones. No. 46,220; Aug. 4; Gaz. vol. 205; p. 272.
- Light-reflecting-bowl hanger. C. E. Jones. No. 46,219; Aug. 4; Gaz. vol. 205; p. 271.
- Light-reflecting bowls, Clamp for. C. E. Jones. No. 46,740; Dec. 8; Gaz. vol. 209; p. 656.
- Light-reflecting bowls, Hanger for. J. M. White. No. 46,793; Dec. 22; Gaz. vol. 209; p. 1289.
- Light-reflecting bowls, Scroll clamp for. C. E. Jones. Nos. 46,473-5; Sept. 29; Gaz. vol. 206; p. 1416.
- Light-shade. C. C. Beam. Nos. 45,922-3; June 16; Gaz. vol. 203; p. 887.
- Light-shade. N. Kopp and R. E. Ewing. No. 46,253; Aug. 11; Gaz. vol. 205; p. 627.
- Light shade, Artificial-. M. W. Gleason. No. 46,123; July 21; Gaz. vol. 204; p. 978.
- Light shade or reflector. C. C. Beam. No. 45,980; June 23; Gaz. vol. 203; p. 1224.
- Light standard, Street-. T. H. Bolte. No. 45,851; June 2; Gaz. vol. 203; p. 269.
- Lighting-bracket. C. E. Jones. No. 46,221; Aug. 4; Gaz. vol. 205; p. 272.
- Lighting-fixture. G. M. Beardslee and I. L. French. Nos. 45,847-9; June 2; Gaz. vol. 203; pp. 268-9.
- Lighting-fixture. G. M. Beardslee and I. L. French. Nos. 46,015-17; June 30; Gaz. vol. 203; p. 1522.
- Lighting-fixture. G. M. Beardslee and I. L. French. No. 46,196; Aug. 4; Gaz. vol. 205; p. 267.
- Lighting-fixture. C. A. Brown and F. L. Grant. No. 46,426; Sept. 22; Gaz. vol. 206; p. 1138.
- Lighting-fixture. J. Chassaing. No. 46,564; Oct. 20; Gaz. vol. 207; p. 892.
- Lighting-fixture. I. Mumma. No. 46,289; Aug. 18; Gaz. vol. 205; p. 983.
- Lighting-fixture. R. V. Owen. No. 46,690; Nov. 24; Gaz. vol. 208; p. 1328.
- Lighting-fixture. F. P. Schoenhardt. No. 45,313; Feb. 24; Gaz. vol. 199; p. 1218.
- Lighting-fixture. F. P. Schoenhardt. Nos. 46,695-8; Nov. 24; Gaz. vol. 208; p. 1329-30.
- Lighting fixture, Indirect-. G. W. Meyers. No. 45,539; Mar. 31; Gaz. vol. 200; p. 1359.
- Lighting-fixture shade. G. M. Beardslee and I. L. French. No. 46,557; Oct. 20; Gaz. vol. 207; p. 891.
- Lighting-fixture shade or bowl. G. M. Beardslee and I. L. French. No. 46,422; Sept. 22; Gaz. vol. 206; p. 1137.
- Lighting-fixture trimming. H. E. Gothberg. Nos. 46,337-8; Sept. 1; Gaz. vol. 206; p. 285.
- Lighting-standard or the like. G. Schumacher. No. 45,769; May 12; Gaz. vol. 202; p. 606.
- Linoleum, oil-cloth, or floor-covering. C. F. Humphreys. Nos. 45,116-19; Jan. 6; Gaz. vol. 198; pp. 216-17.
- Linoleum, oil-cloth, or floor-covering. C. F. Humphreys. Nos. 46,210-17; Aug. 4; Gaz. vol. 205; pp. 270-1.
- Linoleum, oil-cloth, or floor-covering. H. Humphreys. No. 45,120; Jan. 6; Gaz. vol. 198; p. 217.
- Linoleum, oil-cloth, or floor-covering. H. Wilde. No. 45,135; Jan. 6; Gaz. vol. 198; p. 221.
- Locket. S. A. Keller. No. 45,231; Feb. 10; Gaz. vol. 199; p. 576.
- Locket. H. D. Mix. No. 45,267; Feb. 17; Gaz. vol. 199; p. 912.
- Locket. H. D. Mix. No. 45,394; Mar. 10; Gaz. vol. 200; p. 555.
- Loom frame, Beadwork-. C. V. Gulick. No. 46,497; Oct. 6; Gaz. vol. 207; p. 267.
- Looping, Stripped. J. S. Short. No. 45,573; Apr. 7; Gaz. vol. 201; p. 243.
- Loving-cup. H. De Vries. No. 46,249; Aug. 11; Gaz. vol. 205; p. 626.
- Loving-cup or similar receptacle. W. H. Head. No. 45,632; Apr. 21; Gaz. vol. 201; p. 865.
- Mandolin-body. W. J. F. Schultz. No. 45,968; June 16; Gaz. vol. 203; p. 896.
- Manure-hook. F. W. Peterson. No. 46,579; Oct. 20; Gaz. vol. 207; p. 895.
- Massage device, Hand-operated. B. L. Williams. No. 46,240; Aug. 4; Gaz. vol. 205; p. 275.
- Mat. B. Branner. No. 45,175; Feb. 3; Gaz. vol. 199; p. 266.
- Match-case. F. Nagoski. No. 46,411; Sept. 15; Gaz. vol. 206; p. 850.
- Match-safe. N. Sanderson. No. 45,404; Mar. 10; Gaz. vol. 200; p. 556.
- Match-scratcher. J. W. Gaunt. No. 45,706; May 5; Gaz. vol. 202; p. 285.
- Mattress, Spring-. C. G. Moore. No. 45,395; Mar. 10; Gaz. vol. 200; p. 555.
- Meat-block or similar article. F. M. Schaefer. Nos. 46,622-3; Nov. 3; Gaz. vol. 208; p. 307.
- Medal. C. Kunze. No. 46,254; Aug. 11; Gaz. vol. 205; p. 628.
- Medal. R. C. Thompson. No. 46,299; Aug. 18; Gaz. vol. 205; p. 985.
- Medal, medallion, or watch-charm. L. Gardin. No. 46,399; Sept. 15; Gaz. vol. 206; p. 847.
- Medal or similar article. W. E. Riley. No. 45,125; Jan. 6; Gaz. vol. 198; p. 218.
- Medallion. J. O. Schweizer. No. 46,624; Nov. 3; Gaz. vol. 208; p. 307.
- Medallion or similar article of jewelry. G. Kavabatos. No. 46,743; Dec. 8; Gaz. vol. 209; p. 657.
- Megaphone. W. S. Lougee. No. 46,404; Sept. 15; Gaz. vol. 206; p. 848.
- Mesh-bag. W. H. Saart. No. 45,433; Mar. 17; Gaz. vol. 200; p. 834.
- Metal or similar article. M. C. Staub. No. 46,376; Sept. 8; Gaz. vol. 206; p. 563.
- Metal strip. H. B. Sherman. No. 45,895; June 2; Gaz. vol. 203; p. 277.
- Metal-worker's stock. S. A. Keller. No. 46,477; Sept. 29; Gaz. vol. 206; p. 1417.
- Middy waist or blouse. H. Schwerz. No. 46,415; Sept. 15; Gaz. vol. 206; p. 850.
- Minaret figure. S. L. Murphy. No. 45,236; Feb. 10; Gaz. vol. 199; p. 577.
- Mirror-stand. P. R. Seamon. No. 46,370; Sept. 8; Gaz. vol. 206; p. 562.
- Mirror-support. J. Salomon and H. Shaw. No. 46,295; Aug. 18; Gaz. vol. 205; p. 984.
- Mirrors, brushes, or similar toilet articles, Back for. G. H. Berry. Nos. 46,042-5; July 7; Gaz. vol. 204; p. 283.
- Mitten, Child's. C. Schnabel. No. 45,653; Apr. 21; Gaz. vol. 201; p. 869.
- Monument. W. R. Trigg. Nos. 46,071-2; July 7; Gaz. vol. 204; p. 288.
- Monument. W. R. Trigg. No. 46,191; July 28; Gaz. vol. 204; p. 1321.
- Mop. W. Severns. No. 45,273; Feb. 17; Gaz. vol. 199; p. 913.
- Motor-car bonnet. E. H. F. de Turckheim. No. 45,329; Mar. 3; Gaz. vol. 200; p. 245.
- Mud-guard. A. Van den Plas. No. 45,773; May 12; Gaz. vol. 202; p. 607.
- Mud-guard and headlight-casing for vehicles, Combined. H. M. Dawley. No. 45,290; Feb. 24; Gaz. vol. 199; p. 1213.
- Musical instrument. H. E. Barnes. Nos. 45,321-2; Mar. 3; Gaz. vol. 200; p. 243.
- Musical instrument. H. E. Barnes. No. 45,685; Apr. 28; Gaz. vol. 201; p. 1186.
- Musical instrument. F. Kordick. No. 46,366; Sept. 8; Gaz. vol. 206; p. 561.
- Musical instrument. C. Longobardi. No. 45,566; Apr. 7; Gaz. vol. 201; p. 241.
- Musical-instrument body, Stringed-. A. Shutt. No. 45,969; June 16; Gaz. vol. 203; p. 896.
- Nail-set. I. S. Kemp. No. 46,716; Dec. 1; Gaz. vol. 209; p. 310.
- Nail, Shoe-. B. F. Gorsuch. No. 46,669; Nov. 24; Gaz. vol. 208; p. 1325.
- Name-plate. A. J. Dorlthy. No. 46,566; Oct. 20; Gaz. vol. 207; p. 893.
- Napkin-holder. R. Thamm. No. 45,436; Mar. 17; Gaz. vol. 200; p. 834.
- Napkin-holder. R. Thamm. No. 45,576; Apr. 7; Gaz. vol. 201; p. 243.
- Nappy. A. J. Sanford. No. 46,694; Nov. 24; Gaz. vol. 208; p. 1329.
- Necktie. A. S. Waitzfelder. No. 45,278; Feb. 17; Gaz. vol. 199; p. 914.
- Necktie-clasp. C. W. Meguiar. No. 46,001; June 23; Gaz. vol. 203; p. 1228.
- Necktie-holder. S. E. Pederson. No. 46,063; July 7; Gaz. vol. 204; p. 287.
- Needle threader and sharpener, Combination. J. H. Boye. No. 46,491; Oct. 6; Gaz. vol. 207; p. 266.
- Newspaper-dispensing device. F. P. MacLennan. No. 46,405; Sept. 15; Gaz. vol. 206; p. 848.
- Newspaper-holder. L. W. Levy. No. 46,314; Aug. 25; Gaz. vol. 205; p. 1293.
- Nut-cutting machines, Body for. L. J. Monahan. No. 45,268; Feb. 17; Gaz. vol. 199; p. 912.
- Nut-lock. D. Hester. No. 45,340; Mar. 3; Gaz. vol. 200; p. 246.
- Omnibuses or other vehicles, Body for electrical. C. J. Field and R. Cilley. No. 46,432; Sept. 22; Gaz. vol. 206; p. 1139.
- Orchard-heater. E. W. Dunn. No. 45,592; Apr. 14; Gaz. vol. 201; p. 536.
- Orchard-heater. E. W. Dunn. No. 45,703; May 5; Gaz. vol. 202; p. 285.

Alphabetical list of designs—Continued.

- Orchestrion-case. J. P. Seeburg. Nos. 45,654-5; Apr. 21; Gaz. vol. 201; p. 869.
- Orchestrion-case. B. R. Van Valkenburg. No. 45,361; Mar. 3; Gaz. vol. 200; p. 250.
- Organ-stop key. J. T. Austin. No. 45,320; Mar. 3; Gaz. vol. 200; p. 243.
- Overalls. C. M. Haworth. No. 46,598; Oct. 27; Gaz. vol. 207; p. 1217.
- Overgaiter. R. P. Morse. No. 46,602; Oct. 27; Gaz. vol. 207; p. 1217.
- Padlock. W. H. Booth. No. 45,831; May 26; Gaz. vol. 202; p. 1231.
- Padlock. J. F. Lemon. No. 45,813; May 19; Gaz. vol. 202; p. 923.
- Padlock. F. Soley. No. 46,103; July 14; Gaz. vol. 204; p. 649.
- Paint-mixer frame. G. Whigett. No. 45,215; Feb. 3; Gaz. vol. 199; p. 274.
- Paint product and palette. J. W. Hasburg. No. 45,257; Feb. 17; Gaz. vol. 199; p. 911.
- Paint product and palette, Combined. J. W. Hasburg. No. 45,421; Mar. 17; Gaz. vol. 200; p. 832.
- Painting-booth. T. A. De Villbiss. No. 45,743; May 12; Gaz. vol. 202; p. 602.
- Pancake-turner. A. C. Selleck. No. 46,416; Sept. 15; Gaz. vol. 206; p. 850.
- Paper-bag fastener. J. Seefried. No. 46,513; Oct. 6; Gaz. vol. 207; p. 270.
- Paper bell. B. Karfiol. No. 45,636; Apr. 21; Gaz. vol. 201; p. 866.
- Paper-fastening devices, Casing for. G. P. Bump. No. 46,109; July 21; Gaz. vol. 204; p. 975.
- Paper sheet or similar article. C. L. Mead. No. 45,429; Mar. 17; Gaz. vol. 200; p. 833.
- Paper sheet or similar article. C. L. Mead. Nos. 46,177-9; July 28; Gaz. vol. 204; pp. 1318-19.
- Paper, Wall-. E. C. Baeck. No. 45,698; May 5; Gaz. vol. 202; p. 284.
- Paper, Wall-. E. C. Baeck. No. 45,783; May 19; Gaz. vol. 202; p. 917.
- Paper, Wall-. L. L. Blake. Nos. 46,558-63; Oct. 20; Gaz. vol. 207; pp. 891-2.
- Paper, Wall-. L. L. Blake. No. 46,628; Nov. 10; Gaz. vol. 208; p. 626.
- Paper, Wall-. R. B. Griffin. No. 46,729; Dec. 8; Gaz. vol. 209; p. 654.
- Paper, Wall-. E. J. Walents, Sr. No. 45,681; Apr. 28; Gaz. vol. 201; p. 1185.
- Paper-weight. C. Blesch. Nos. 46,647-8; Nov. 17; Gaz. vol. 208; p. 954.
- Paper-weight. A. J. Kull. No. 45,425; Mar. 17; Gaz. vol. 200; p. 833.
- Paper-weight, curio, or similar article. L. E. Carter. No. 45,179; Feb. 3; Gaz. vol. 199; p. 267.
- Paper-weight or similar article. C. A. McCann. No. 45,197; Feb. 3; Gaz. vol. 199; p. 270.
- Parasol. E. J. Doty. No. 46,250; Aug. 11; Gaz. vol. 205; p. 627.
- Parasol. C. J. Follmer. No. 45,256; Feb. 17; Gaz. vol. 199; p. 910.
- Parasol. C. J. Follmer. No. 45,593; Apr. 14; Gaz. vol. 201; p. 536.
- Parasol. C. J. Follmer. No. 45,802; May 19; Gaz. vol. 202; p. 921.
- Parasol. O. E. J. Seitz. No. 46,701; Nov. 24; Gaz. vol. 208; p. 1331.
- Parasol-handle ornament. P. J. Reeve. No. 45,352; Mar. 3; Gaz. vol. 200; p. 249.
- Pen-nib. W. H. Boyer. No. 45,286; Feb. 24; Gaz. vol. 199; p. 1213.
- Pen-wiper. E. Z. Team. No. 46,188; July 28; Gaz. vol. 204; p. 1320.
- Pens and pencils, Holding-clip for. G. T. Byers. No. 45,102; Jan. 6; Gaz. vol. 198; p. 214.
- Pens or pencils, Holding-clip for. J. F. Foley. No. 46,727; Dec. 8; Gaz. vol. 209; p. 653.
- Pens, pencils, or similar articles, Clip for. A. G. Pearce. No. 46,691; Nov. 24; Gaz. vol. 208; p. 1329.
- Penholder-tip. C. W. Boman. No. 46,588; Oct. 27; Gaz. vol. 207; p. 1215.
- Pencil guard and clip with attached rubber. F. Eckermann. No. 46,649; Nov. 17; Gaz. vol. 208; p. 954.
- Pencil-sharpener. J. R. Searight. No. 46,068; July 7; Gaz. vol. 204; p. 288.
- Pendant. H. D. Mix. No. 46,571; Oct. 20; Gaz. vol. 207; p. 893.
- Percolator. G. E. Curtiss. Nos. 45,373-4; Mar. 10; Gaz. vol. 200; pp. 551-2.
- Percolator. G. E. Curtiss. No. 45,587; Apr. 14; Gaz. vol. 201; p. 535.
- Percolator. A. Merz. No. 46,776; Dec. 15; Gaz. vol. 209; p. 1028.
- Percolator-body for tea or coffee pots. G. E. Curtiss. No. 46,665; Nov. 24; Gaz. vol. 208; p. 1324.
- Percolator, Coffee-. G. Behrend. No. 46,523; Oct. 13; Gaz. vol. 207; p. 582.
- Percolator, Coffee-. A. Cohn. No. 45,585; Apr. 14; Gaz. vol. 201; p. 535.
- Percolator-pot. E. A. Farr. No. 45,331; Mar. 3; Gaz. vol. 200; p. 245.
- Percolator-top. W. Churchill. No. 46,768; Dec. 15; Gaz. vol. 209; p. 1026.
- Percolator-top, Glass. W. P. Parsons. No. 46,777; Dec. 15; Gaz. vol. 209; p. 1028.
- Photo-frame. B. L. Hutton. No. 45,260; Feb. 17; Gaz. vol. 199; p. 911.
- Piano-back. A. O. Lechner. No. 45,563; Apr. 7; Gaz. vol. 201; p. 241.
- Piano-bench. C. H. Martin. No. 45,912; June 9; Gaz. vol. 203; p. 576.
- Piano-case. W. L. Bjur. Nos. 45,517-20; Mar. 31; Gaz. vol. 200; pp. 1355-6.
- Piano-case. F. Gehring. No. 46,668; Nov. 24; Gaz. vol. 208; p. 1325.
- Piano-case. W. Lane. No. 46,808; Dec. 29; Gaz. vol. 209; p. 1669.
- Piano-pedal. A. F. and C. H. Norris. No. 45,610; Apr. 14; Gaz. vol. 201; p. 539.
- Picture-frame. S. Micuch. No. 46,601; Oct. 27; Gaz. vol. 207; p. 1217.
- Picture-frame. J. Orbik. No. 45,676; Apr. 28; Gaz. vol. 201; p. 1185.
- Picture-frame. A. Söderblom. No. 46,454; Sept. 22; Gaz. vol. 206; p. 1144.
- Picture-frame. M. Vasek. No. 46,147; July 21; Gaz. vol. 204; p. 983.
- Picture-frame. G. W. Wineberg. No. 45,173; Jan. 20; Gaz. vol. 198; p. 678.
- Pillow. L. W. Arthur. No. 45,782; May 19; Gaz. vol. 202; p. 917.
- Pillow-cover. S. Tanaka. No. 46,329; Aug. 25; Gaz. vol. 205; p. 1296.
- Pillow-top. H. Weil. Nos. 46,192-3; July 28; Gaz. vol. 204; p. 1321.
- Pin. J. Krause. No. 46,532; Oct. 13; Gaz. vol. 207; p. 584.
- Pin, brooch, emblem, or similar article. A. A. McRae. No. 46,651; Nov. 17; Gaz. vol. 208; p. 955.
- Pin, brooch, or similar article. E. V. Sweet. Nos. 46,756-60; Dec. 8; Gaz. vol. 209; p. 659.
- Pin, brooch, or similar article of jewelry. O. C. Lanphear. No. 46,171; July 28; Gaz. vol. 204; p. 1317.
- Pin, Fraternity-. C. E. Nixon. No. 45,238; Feb. 10; Gaz. vol. 199; p. 577.
- Pincushion. H. Kirschbraun. No. 46,168; July 28; Gaz. vol. 204; p. 1317.
- Pipe-bowl. R. A. Schoenberg. No. 45,208; Feb. 3; Gaz. vol. 199; p. 273.
- Pipe fitting. Soil-. D. Heller. No. 45,301; Feb. 24; Gaz. vol. 199; p. 1216.
- Pipe-hanger. T. J. Morris. No. 46,687; Nov. 24; Gaz. vol. 208; p. 1328.
- Pistol. J. H. Wesson. No. 45,825; May 19; Gaz. vol. 202; p. 925.
- Pitcher. R. Haley. No. 45,230; Feb. 10; Gaz. vol. 199; p. 576.
- Pitcher. A. J. Sanford. No. 45,489; Mar. 24; Gaz. vol. 200; p. 1089.
- Pitcher-top. A. J. Sanford. No. 45,488; Mar. 24; Gaz. vol. 200; p. 1089.
- Plane-body. A. A. Page. No. 46,446; Sept. 22; Gaz. vol. 206; p. 1142.
- Planter frame, Potato-. L. Willis. No. 46,614; Oct. 27; Gaz. vol. 207; p. 1220.
- Planters, Staff for hand-. R. C. Himebaugh. No. 46,736; Dec. 8; Gaz. vol. 209; p. 655.
- Plaque. A. E. Longshaw. No. 45,343; Mar. 3; Gaz. vol. 200; p. 247.
- Plaque. F. A. Sebring. No. 45,272; Feb. 17; Gaz. vol. 199; p. 913.
- Plate. W. Abrams. No. 46,106; July 21; Gaz. vol. 204; p. 975.
- Plate. W. Abrams. No. 46,617; Nov. 3; Gaz. vol. 208; p. 306.
- Plate. W. P. Graham. No. 45,191; Feb. 3; Gaz. vol. 199; p. 269.
- Plate. W. P. Graham. No. 45,336; Mar. 3; Gaz. vol. 200; p. 246.
- Plate. T. Haviland. Nos. 46,802-3; Dec. 29; Gaz. vol. 209; p. 1668.
- Plate. A. J. Koch. No. 45,194; Feb. 3; Gaz. vol. 199; p. 270.
- Plate. A. J. Koch. No. 45,638; Apr. 21; Gaz. vol. 201; p. 866.
- Plate. A. J. Kuopf. No. 46,169; July 28; Gaz. vol. 204; p. 1317.
- Plate. E. E. Walter. No. 46,077; July 7; Gaz. vol. 204; p. 290.
- Plate. J. T. Wigley. No. 45,280; Feb. 17; Gaz. vol. 199; p. 914.
- Plate, Change-holding. L. L. Johnson. No. 46,128; July 21; Gaz. vol. 204; p. 979.
- Plate for drop-light fixtures. P. Mohrmann. No. 46,686; Nov. 24; Gaz. vol. 208; p. 1328.
- Plate or similar article. W. L. Large. Nos. 46,172-4; July 28; Gaz. vol. 204; pp. 1317-18.
- Plate or similar article. C. A. May. No. 46,809; Dec. 29; Gaz. vol. 209; p. 1670.
- Plate or similar article. H. Rampfel. No. 45,310; Feb. 24; Gaz. vol. 199; p. 1217.

Alphabetical list of designs—Continued.

- Plate or tray or similar article. H. Hebbard. No. 45,715; May 5; Gaz. vol. 202; p. 286.
- Plate, saucer, or similar article. S. Marston. No. 45,759; May 12; Gaz. vol. 202; p. 605.
- Platter or similar article. W. C. Codman. No. 45,792; May 19; Gaz. vol. 202; p. 919.
- Pliers, cutters, and similar articles, Member of a pair of. A. A. Krauter. No. 46,681; Nov. 24; Gaz. vol. 208; p. 1327.
- Pliers member, Gas-. W. Thomson. No. 45,919; June 9; Gaz. vol. 203; p. 577.
- Pliers or similar articles, Handle for. A. A. Krauter. No. 46,682; Nov. 24; Gaz. vol. 208; p. 1327.
- Plow-cleaner. J. Becker. No. 45,408; Mar. 17; Gaz. vol. 200; p. 830.
- Pneumatic-cleaner casing. J. B. Kirby. No. 45,882; June 2; Gaz. vol. 203; p. 275.
- Pocket-pouch. J. W. Kinghorne. No. 45,341; Mar. 3; Gaz. vol. 200; p. 247.
- Polisher. M. Goodwin. No. 46,526; Oct. 13; Gaz. vol. 207; p. 583.
- Pool-table pocket. J. W. Johnson. No. 46,170; July 28; Gaz. vol. 204; p. 1317.
- Pool-table pocket. T. R. Treiber and J. W. Johnson. No. 46,190; July 28; Gaz. vol. 204; p. 1321.
- Portiere. F. W. Chatterson. No. 46,767; Dec. 15; Gaz. vol. 209; p. 1026.
- Post-card. S. Dugan. No. 45,414; Mar. 17; Gaz. vol. 200; p. 831.
- Pot and cover lifter. K. Prochaska. No. 46,183; July 28; Gaz. vol. 204; p. 1319.
- Pot-body. E. A. Farr. No. 45,333; Mar. 3; Gaz. vol. 200; p. 245.
- Pot or similar article. H. Hebbard. No. 45,935; June 16; Gaz. vol. 203; p. 889.
- Powder box or can. E. Fuchs. No. 46,334; Sept. 1; Gaz. vol. 206; p. 284.
- Powder-container. J. E. Cross. No. 45,586; Apr. 14; Gaz. vol. 201; p. 535.
- Precious or semiprecious or synthetic stone or imitation. S. Heller. Nos. 46,734-5; Dec. 8; Gaz. vol. 209; p. 655.
- Precious, semiprecious, synthetic, or imitation stone. S. Heller. No. 45,668; Apr. 28; Gaz. vol. 201; p. 1183.
- Printing-wheel hand-stamp, Framework or head of a. C. W. Everson. No. 46,276; Aug. 18; Gaz. vol. 205; p. 980.
- Pulley, Clothes-line. J. Heberling. No. 45,258; Feb. 17; Gaz. vol. 199; p. 911.
- Pump. F. H. Lippincott. No. 46,479; Sept. 29; Gaz. vol. 206; p. 1417.
- Pump-base. K. D. Smith. No. 45,822; May 19; Gaz. vol. 202; p. 924.
- Pump-body. R. W. Murray. No. 45,307; Feb. 24; Gaz. vol. 199; p. 1217.
- Pump-casing. W. E. Gorton. No. 46,336; Sept. 1; Gaz. vol. 206; p. 284.
- Pump casing, Air-. J. K. Stewart. No. 45,974; June 16; Gaz. vol. 203; p. 897.
- Pump casing, Power-. H. W. Kimes. No. 46,222; Aug. 4; Gaz. vol. 205; p. 272.
- Pump-casing, Sidewalk. W. M. Barber. No. 45,737; May 12; Gaz. vol. 202; p. 601.
- Pump-housing. E. A. Lindquist. No. 46,774; Dec. 15; Gaz. vol. 209; p. 1027.
- Pump support and casing, Air-. J. T. Janette. No. 46,095; July 14; Gaz. vol. 204; p. 647.
- Pump, Tire-. C. W. Manzel. No. 45,943; June 16; Gaz. vol. 203; p. 891.
- Puzzle-box. W. H. Greenleaf. No. 45,709; May 5; Gaz. vol. 202; p. 286.
- Quilt. I. Wilkinson. Nos. 46,419-21; Sept. 15; Gaz. vol. 206; p. 851.
- Rack or stand. I. Rosenberger. No. 45,694; Apr. 28; Gaz. vol. 201; p. 1188.
- Radiator. W. A. De Schaum. No. 45,217; Feb. 3; Gaz. vol. 199; p. 275.
- Radiator. W. A. De Schaum. No. 45,294; Feb. 24; Gaz. vol. 199; p. 1214.
- Radiator. J. Ogden. No. 46,180; July 28; Gaz. vol. 204; p. 1319.
- Radiator, Electric. A. A. Warner. No. 45,317; Feb. 24; Gaz. vol. 199; p. 1219.
- Railway-crossing signal. S. C. Bryant. No. 45,833; May 26; Gaz. vol. 202; p. 1231.
- Raker, Joint-. J. W. Miller. No. 46,406; Sept. 15; Gaz. vol. 206; p. 849.
- Range, Cabinet gas-. J. Roy. No. 45,240; Feb. 10; Gaz. vol. 199; p. 578.
- Range, Coal-. L. Scruggs. No. 45,158; Jan. 13; Gaz. vol. 198; p. 480.
- Range, Combined gas and coal. J. S. Van Buren. No. 45,662; Apr. 21; Gaz. vol. 201; p. 871.
- Range, Cooking-. J. Jewett, Jr. No. 46,052; July 7; Gaz. vol. 204; p. 285.
- Range, Gas-. R. E. Sard. No. 45,157; Jan. 13; Gaz. vol. 198; p. 480.
- Range, Gas-. R. E. Sard. No. 45,768; May 12; Gaz. vol. 202; p. 606.
- Rattle. R. Eddy. No. 45,450; Mar. 24; Gaz. vol. 200; p. 1082.
- Razor-blade. F. A. Fuller. No. 45,908; June 9; Gaz. vol. 203; p. 575.
- Rebound-check. R. Miller. No. 45,568; Apr. 7; Gaz. vol. 201; p. 242.
- Recitation-board. C. I. Kyle. No. 46,745; Dec. 8; Gaz. vol. 209; p. 657.
- Reflector. J. R. Cravath. No. 45,616; Apr. 21; Gaz. vol. 201; p. 862.
- Reflector. G. Westphal. No. 46,711; Nov. 24; Gaz. vol. 208; p. 1332.
- Reflector, Ceiling-. R. Ray. No. 45,271; Feb. 17; Gaz. vol. 199; p. 913.
- Reflector or similar article. W. A. Dorey. No. 45,618; Apr. 21; Gaz. vol. 201; p. 862.
- Reflector-shade. J. L. Holton. No. 45,633; Apr. 21; Gaz. vol. 201; p. 865.
- Refrigerator. C. O. Ullin. No. 46,381; Sept. 8; Gaz. vol. 206; p. 564.
- Refrigerator. C. O. Ullin. No. 46,707; Nov. 24; Gaz. vol. 208; p. 1332.
- Ribbon, and particularly for brocaded woven ribbon. J. W. MacLaren and E. Speck. No. 46,175; July 28; Gaz. vol. 204; p. 1318.
- Ring. H. P. Dickinson. No. 45,860; June 2; Gaz. vol. 203; p. 271.
- Ring, bracelet, breastpin, or similar article of jewelry, Finger-. J. M. Miller. Nos. 46,534-6; Oct. 13; Gaz. vol. 207; p. 584.
- Ring, Finger-. C. Schaefer. No. 45,312; Feb. 24; Gaz. vol. 199; p. 1218.
- Ring, Finger-. F. W. Whitehouse. No. 45,247; Feb. 10; Gaz. vol. 199; p. 579.
- Ring or brooch. H. V. Letkemann. No. 46,685; Nov. 24; Gaz. vol. 208; p. 1327.
- Ring or similar article. W. Fischer. No. 45,456; Mar. 24; Gaz. vol. 200; p. 1083.
- Ring, pin, button, or similar article of jewelry. L. Lyons. No. 46,599; Oct. 27; Gaz. vol. 207; p. 1217.
- Ring, pin, or similar article of jewelry. L. Lyons. Nos. 45,261-2; Feb. 17; Gaz. vol. 199; p. 911.
- Ring, pin, or similar article of jewelry. L. Lyons. No. 46,030; June 30; Gaz. vol. 203; p. 1525.
- Ring, Wedding-. M. Rosen. No. 45,648; Apr. 21; Gaz. vol. 201; p. 868.
- Roof snow-guard. A. Danzer. No. 46,202; Aug. 4; Gaz. vol. 205; p. 269.
- Roofing, Ornamental flexible. S. H. Goldberg. No. 45,836; May 26; Gaz. vol. 202; p. 1232.
- Rope-clamp. R. E. McKee. No. 46,287; Aug. 18; Gaz. vol. 205; p. 982.
- Rubber bathing-cap. M. A. Stearns. No. 45,658; Apr. 21; Gaz. vol. 201; p. 870.
- Rubber mat-binding. F. H. Timke. No. 45,130; Jan. 6; Gaz. vol. 198; p. 219.
- Rubber matting. R. Tyrrell. No. 46,761; Dec. 8; Gaz. vol. 209; p. 659.
- Rug. E. Bischoff. No. 45,850; June 2; Gaz. vol. 203; p. 269.
- Rug. W. A. Elliot. Nos. 45,453-4; Mar. 24; Gaz. vol. 200; p. 1082.
- Rug. W. A. Elliot. No. 45,864; June 2; Gaz. vol. 203; p. 272.
- Rug. H. P. Hadley. No. 45,713; May 5; Gaz. vol. 202; p. 286.
- Rug. J. Merry. No. 45,468; Mar. 24; Gaz. vol. 200; p. 1085.
- Rug. J. Merry. Nos. 45,470-1; Mar. 24; Gaz. vol. 200; p. 1085.
- Rug. J. Merry. Nos. 45,473-81; Mar. 24; Gaz. vol. 200; pp. 1086-7.
- Rug. J. Merry. Nos. 45,642-3; Apr. 21; Gaz. vol. 201; p. 867.
- Rug. A. Petzold. Nos. 45,202-3; Feb. 3; Gaz. vol. 199; pp. 271-2.
- Rug. A. Petzold. Nos. 45,950-9; June 16; Gaz. vol. 203; pp. 893-4.
- Rug. A. Petzold. Nos. 46,223-36; Aug. 4; Gaz. vol. 205; pp. 272-5.
- Rug. R. F. Riddell. Nos. 45,485-7; Mar. 24; Gaz. vol. 200; pp. 1088-9.
- Rug. R. F. Riddell. No. 45,647; Apr. 21; Gaz. vol. 201; p. 868.
- Rug. R. F. Riddell. Nos. 45,889-90; June 2; Gaz. vol. 203; p. 276.
- Rug. R. F. Riddell. Nos. 46,542-7; Oct. 13; Gaz. vol. 207; pp. 585-7.
- Rug. E. G. Sauer. Nos. 45,491-3; Mar. 24; Gaz. vol. 200; pp. 1089-90.
- Rug. E. G. Sauer. No. 45,650; Apr. 21; Gaz. vol. 201; p. 869.
- Rug. E. G. Sauer. No. 45,652; Apr. 21; Gaz. vol. 201; p. 869.
- Rug. E. G. Sauer. Nos. 45,963-7; June 16; Gaz. vol. 203; p. 895.
- Rug. F. Schindler. Nos. 46,549-50; Oct. 13; Gaz. vol. 207; p. 587.
- Rug. J. Spring. Nos. 45,500-2; Mar. 24; Gaz. vol. 200; p. 1091.
- Rug. J. Spring. No. 45,510; Mar. 24; Gaz. vol. 200; p. 1093.

- Rug. J. Spring. Nos. 45,971-3; June 16; Gaz. vol. 203; p. 896.
- Rug. W. A. Spring. Nos. 45,503-5; Mar. 24; Gaz. vol. 200; pp. 1091-2.
- Rug. W. A. Spring. No. 45,507; Mar. 24; Gaz. vol. 200; p. 1092.
- Rug. W. A. Spring. No. 45,509; Mar. 24; Gaz. vol. 200; p. 1092.
- Rug. W. A. Spring. Nos. 45,656-7; Apr. 21; Gaz. vol. 201; p. 870.
- Rug. W. A. Spring. Nos. 46,552-3; Oct. 13; Gaz. vol. 207; p. 588.
- Rug. I. J. Vetter. No. 45,513; Mar. 24; Gaz. vol. 200; p. 1093.
- Rug or carpet, Grass. O. T. Waite. No. 46,148; July 21; Gaz. vol. 204; p. 983.
- Sad-iron. F. Kuhn. No. 45,671; Apr. 28; Gaz. vol. 201; p. 1184.
- Sad-iron, Self-heating. G. Finn. No. 46,277; Aug. 18; Gaz. vol. 205; p. 980.
- Salt and pepper carrier, Combined. M. T. Reynolds. No. 45,728; May 5; Gaz. vol. 202; p. 289.
- Salt or pepper shaker. L. A. Broadbush. No. 45,584; Apr. 14; Gaz. vol. 201; p. 535.
- Sanitary fixture. C. E. Jones. No. 45,940; June 16; Gaz. vol. 203; p. 890.
- Sanitary protector. A. M. Aiken. Nos. 45,443-4; Mar. 24; Gaz. vol. 200; p. 1080.
- Sanitary trap. J. W. Bragger. No. 46,197; Aug. 4; Gaz. vol. 205; p. 267.
- Saw attachment. W. D. Foss. No. 46,361; Sept. 8; Gaz. vol. 206; p. 560.
- Saw-handle. J. C. Dietrich. No. 46,396; Sept. 15; Gaz. vol. 206; p. 847.
- Saw-set. J. Calverley. No. 46,766; Dec. 15; Gaz. vol. 209; p. 1026.
- Scale-beam weight. R. F. Chatillon. No. 45,370; Mar. 10; Gaz. vol. 200; p. 551.
- Scale casing, Hanging. O. C. Reeves. No. 46,750; Dec. 8; Gaz. vol. 209; p. 658.
- Scale-dial. G. E. Chatillon. No. 46,245; Aug. 11; Gaz. vol. 205; p. 626.
- Scale-frame. W. F. Stimpson. No. 45,661; Apr. 21; Gaz. vol. 201; p. 871.
- Scrapers, Body or frame for. C. Bodmer. No. 45,983; June 23; Gaz. vol. 203; p. 1225.
- Scroll-clamp. C. E. Jones. No. 46,739; Dec. 8; Gaz. vol. 209; p. 656.
- Sewing-machine frame. A. A. Merritt. No. 45,345; Mar. 3; Gaz. vol. 200; p. 247.
- Shade. E. F. Gray. No. 45,338; Mar. 3; Gaz. vol. 200; p. 246.
- Shade. J. H. Strong. No. 46,379; Sept. 8; Gaz. vol. 206; p. 564.
- Shade and curtain bracket. F. M. Dennis. No. 45,903; June 9; Gaz. vol. 203; p. 575.
- Shade and curtain support, Window. J. Sunseri. No. 45,772; May 12; Gaz. vol. 202; p. 607.
- Shade-bowl. E. F. Gray. No. 45,337; Mar. 3; Gaz. vol. 200; p. 246.
- Shade-bowl. R. D. A. Thompson. No. 45,243; Feb. 10; Gaz. vol. 199; p. 579.
- Shade-bracket. M. Davies. No. 46,494; Oct. 6; Gaz. vol. 207; p. 267.
- Shade fastener and curtain-pole bracket, Combination window. A. N. Smith. No. 46,297; Aug. 18; Gaz. vol. 205; p. 984.
- Shade-holder. J. J. Nash. No. 46,442; Sept. 22; Gaz. vol. 206; p. 1141.
- Shade or reflector. F. L. Grant. No. 46,786; Dec. 22; Gaz. vol. 209; p. 1288.
- Shade or reflector. O. A. Mygatt. No. 46,004; June 23; Gaz. vol. 203; p. 1229.
- Shade, reflector, or similar article. O. A. Mygatt. No. 45,569; Apr. 7; Gaz. vol. 201; p. 242.
- Shade, reflector, or similar article. O. A. Mygatt. No. 45,949; June 16; Gaz. vol. 203; p. 892.
- Shade, reflector, or similar article. O. A. Mygatt. Nos. 46,290-1; Aug. 18; Gaz. vol. 205; p. 983.
- Shawl. H. Baker. No. 45,979; June 23; Gaz. vol. 203; p. 1224.
- Sheet metal. W. H. Stough. No. 46,456; Sept. 22; Gaz. vol. 206; p. 1144.
- Sheet metal. F. M. Vogan. Nos. 46,518-19; Oct. 6; Gaz. vol. 207; p. 271.
- Shelf and clothes-rack, Combined. A. M. Simenson. No. 46,187; July 28; Gaz. vol. 204; p. 1320.
- Shelf-support. A. J. Sanford. No. 46,753; Dec. 8; Gaz. vol. 209; p. 658.
- Shield, Expandable. L. Zifferer. No. 46,765; Dec. 8; Gaz. vol. 209; p. 660.
- Shield or similar article. H. W. Pleister. No. 46,483; Sept. 29; Gaz. vol. 206; p. 1418.
- Shield, Protective. V. Guinzburg. No. 45,595; Apr. 14; Gaz. vol. 201; p. 537.
- Shingling-tool. J. D. Cossette. No. 45,687; Apr. 28; Gaz. vol. 201; p. 1187.
- Shirting, Cotton pongee. B. H. Smith. Nos. 46,371-5; Sept. 8; Gaz. vol. 206; pp. 562-3.
- Shock-absorber. F. H. Doane. No. 45,800; May 19; Gaz. vol. 202; p. 920.
- Shoe. H. G. Dean. No. 45,412; Mar. 17; Gaz. vol. 200; p. 831.
- Shoe. J. Frank. No. 45,803; May 19; Gaz. vol. 202; p. 921.
- Shoe. D. N. Sonerin. No. 46,625; Nov. 3; Gaz. vol. 208; p. 307.
- Shoe-clasp. J. F. Reeder. No. 45,432; Mar. 17; Gaz. vol. 200; p. 834.
- Shoes, Protective attachment for the toe portions of. J. W. Cheney. No. 45,854; June 2; Gaz. vol. 203; p. 270.
- Shoulder-brace. T. G. Bowers. No. 45,368; Mar. 10; Gaz. vol. 200; p. 551.
- Shoulder-brace. T. G. Bowers. No. 45,984; June 23; Gaz. vol. 203; p. 1225.
- Show-case. C. W. Cohn. No. 45,371; Mar. 10; Gaz. vol. 200; p. 551.
- Show-case holder and reflector for electric lamps. J. E. Bryan. No. 45,147; Jan. 13; Gaz. vol. 198; p. 479.
- Shower-bath body, Two-valve. F. Bockelman. No. 45,787; May 19; Gaz. vol. 202; p. 918.
- Shower-bath body, 3-valve. F. Bockelman. No. 45,786; May 19; Gaz. vol. 202; p. 918.
- Shower-pans or light-fixtures, Arm for. C. E. Jones. No. 45,879; June 2; Gaz. vol. 203; p. 274.
- Shower-plate. J. J. Nash. No. 46,445; Sept. 22; Gaz. vol. 206; p. 1142.
- Sideboard, Built-in. N. B. Douglass. Nos. 45,905-6; June 9; Gaz. vol. 203; p. 575.
- Sideboard or similar article of furniture. M. J. Bernhard. No. 45,516; Mar. 31; Gaz. vol. 200; p. 1355.
- Sign. C. A. Evans. No. 45,149; Jan. 13; Gaz. vol. 198; p. 479.
- Sign. E. Gilbert. No. 45,931; June 16; Gaz. vol. 203; p. 888.
- Sign. J. G. Hammond. Nos. 45,297-9; Feb. 24; Gaz. vol. 199; p. 1215.
- Sign. J. G. Hammond. No. 45,714; May 5; Gaz. vol. 202; p. 286.
- Sign. F. T. Hopkins and G. Painter. No. 45,838; May 26; Gaz. vol. 202; p. 1232.
- Sign. G. Tomka and S. Varga. No. 46,584; Oct. 20; Gaz. vol. 207; p. 896.
- Sign and show-case. J. B. Klein. No. 45,811; May 19; Gaz. vol. 202; p. 922.
- Sign, Barber-shop. B. De Vreese. No. 45,904; June 9; Gaz. vol. 203; p. 575.
- Signaling device, Vehicle. E. A. Hawthorne. No. 46,672; Nov. 24; Gaz. vol. 208; p. 1325.
- Silk, fabric, or leather. H. Kram. Nos. 46,026-9; June 30; Gaz. vol. 203; pp. 1524-5.
- Sink and tray bracket, Combination. H. C. Nichols. No. 46,136; July 21; Gaz. vol. 204; p. 981.
- Sink-guard. F. H. Hussey. No. 46,529; Oct. 13; Gaz. vol. 207; p. 583.
- Skate heel-clamp. M. B. Reach. No. 45,311; Feb. 24; Gaz. vol. 199; p. 1218.
- Sled-standard. S. L. Allen. No. 45,282; Feb. 24; Gaz. vol. 199; p. 1212.
- Slide. C. E. Peterson. No. 45,239; Feb. 10; Gaz. vol. 199; p. 578.
- Slipper. M. E. Schenke. No. 46,323; Aug. 25; Gaz. vol. 205; p. 1295.
- Smoking set. E. Hall. No. 46,528; Oct. 13; Gaz. vol. 207; p. 583.
- Soap, Cake of. T. W. McDougal. No. 46,508; Oct. 6; Gaz. vol. 207; p. 269.
- Soap-dispenser container. W. C. Morrill. No. 45,675; Apr. 28; Gaz. vol. 201; p. 1184.
- Soap-saver. S. Parker. No. 46,576; Oct. 20; Gaz. vol. 207; p. 894.
- Sock or stocking. R. E. Schletter. No. 45,496; Mar. 24; Gaz. vol. 200; p. 1090.
- Sole for footwear. W. B. Hopwood. No. 46,568; Oct. 20; Gaz. vol. 207; p. 893.
- Sound-reproducing machines, Amplifying-horn for. F. Cheney. No. 45,738; May 12; Gaz. vol. 202; p. 601.
- Sounding-board support. G. J. Gaul. No. 46,362; Sept. 8; Gaz. vol. 206; p. 561.
- Spectacles. F. W. King. No. 45,424; Mar. 17; Gaz. vol. 200; p. 833.
- Spectacles and eyeglasses, Bridge for. R. R. Hall. No. 45,418; Mar. 17; Gaz. vol. 200; p. 831.
- Spool-holder. J. M. Cordell. No. 46,395; Sept. 15; Gaz. vol. 206; p. 847.
- Spool-holder. R. R. Todd. No. 46,517; Oct. 6; Gaz. vol. 207; p. 271.
- Spool-holder and pincushion, Revolving. F. A. Landahl. No. 46,807; Dec. 29; Gaz. vol. 209; p. 1669.
- Spoon. T. A. Ladson. No. 45,812; May 19; Gaz. vol. 202; p. 922.
- Spoon, fork, or similar article. H. A. Baxter. No. 46,556; Oct. 20; Gaz. vol. 207; p. 891.
- Spoon, fork, or similar article. L. A. Brown. No. 45,446; Mar. 24; Gaz. vol. 200; p. 1081.
- Spoon, fork, or similar article. W. B. H. Dowse. Nos. 45,688-9; Apr. 28; Gaz. vol. 201; p. 1187.
- Spoon, fork, or similar article. W. B. H. Dowse. No. 45,702; May 5; Gaz. vol. 202; p. 284.

Alphabetical list of designs—Continued.

- Spoon, fork, or similar article. J. W. Elliott. No. 45,619; Apr. 21; Gaz. vol. 201; p. 862.
- Spoon, fork, or similar article. H. Hillbom. No. 45,716; May 5; Gaz. vol. 202; p. 287.
- Spoon, fork, or similar article. H. Hillbom. No. 46,281; Aug. 18; Gaz. vol. 205; p. 981.
- Spoon, fork, or similar article. H. Hillbom. No. 46,364; Sept. 8; Gaz. vol. 206; p. 561.
- Spoon, fork, or similar article. A. C. Kintz. No. 45,637; Apr. 21; Gaz. vol. 201; p. 866.
- Spoon, fork, or similar article. B. D. Myers. No. 45,645; Apr. 21; Gaz. vol. 201; p. 868.
- Spoon, fork, or similar article. B. D. Myers. No. 46,368; Sept. 8; Gaz. vol. 206; p. 562.
- Spoon, fork, or similar article. S. Stohr. No. 46,328; Aug. 25; Gaz. vol. 205; p. 1296.
- Spoon, fork, or similar article. H. L. Wallace. No. 46,708; Nov. 24; Gaz. vol. 208; p. 1332.
- Spoon-holder or similar article. H. Northwood. No. 46,059; July 7; Gaz. vol. 204; p. 286.
- Spoon, Souvenir-. L. Bentz. No. 45,367; Mar. 10; Gaz. vol. 200; p. 550.
- Spoons, forks, and similar articles, Handle for. S. J. Large. No. 45,885; June 2; Gaz. vol. 203; p. 275.
- Spoons, forks, or similar articles, Handle for. G. N. Allen. No. 45,976; June 23; Gaz. vol. 203; p. 1223.
- Spoons, forks, or similar articles, Handle for. C. A. Bennett. No. 46,354; Sept. 8; Gaz. vol. 206; p. 559.
- Spoons, forks, or similar articles, Handle for. L. A. Brown. No. 45,369; Mar. 10; Gaz. vol. 200; p. 551.
- Spoons, forks, or similar articles, Handle for. W. C. Codman. Nos. 45,614-15; Apr. 21; Gaz. vol. 201; pp. 861-2.
- Spoons, forks, or similar articles, Handle for. W. C. Codman. No. 46,087; July 14; Gaz. vol. 204; p. 646.
- Spoons, forks, or similar articles, Handle for. W. C. Codman. Nos. 46,110-16; July 21; Gaz. vol. 204; pp. 975-7.
- Spoons, forks, or similar articles, Handle for. W. Codman. No. 46,199; Aug. 4; Gaz. vol. 205; p. 268.
- Spoons, forks, or similar articles, Handle for. C. W. Harman. No. 45,300; Feb. 24; Gaz. vol. 199; p. 1216.
- Spoons, forks, or similar articles, Handle for. W. A. Jameson. No. 45,717; May 5; Gaz. vol. 202; p. 287.
- Spoons, forks, or similar articles, Handle for. W. A. Jameson. Nos. 45,877-8; June 2; Gaz. vol. 203; p. 274.
- Spoons, forks, or similar articles, Handle for. T. B. Lashar. No. 46,255; Aug. 11; Gaz. vol. 205; p. 628.
- Spoons, forks, or similar articles, Handle for. C. Osborne. No. 45,401; Mar. 10; Gaz. vol. 200; p. 556.
- Spoons, forks, or similar articles, Handle for. C. Osborne. No. 45,482; Mar. 24; Gaz. vol. 200; p. 1087.
- Spoons, forks, or similar articles, Handle for. F. E. Pretat. No. 45,309; Feb. 24; Gaz. vol. 199; p. 1217.
- Spoons, forks, or similar articles, Handle for. C. F. Simms. No. 45,159; Jan. 13; Gaz. vol. 198; p. 481.
- Spoons, forks, or similar articles, Handle for pierced. R. C. Thompson. No. 45,512; Mar. 24; Gaz. vol. 200; p. 1093.
- Spraying apparatus, Casing for hand. C. H. Allen. No. 46,157; July 28; Gaz. vol. 204; p. 1314.
- Spring-cap. W. S. Adams. No. 45,684; Apr. 28; Gaz. vol. 201; p. 1186.
- Spring fastening device. J. Schade, Jr. No. 46,621; Nov. 3; Gaz. vol. 208; p. 307.
- Spur-body. F. C. Monier. No. 45,816; May 19; Gaz. vol. 202; p. 923.
- Square-rack. C. A. Abbath. No. 45,141; Jan. 13; Gaz. vol. 198; p. 477.
- Stand. C. F. Grainger and W. C. Brohm. No. 46,527; Oct. 13; Gaz. vol. 207; p. 583.
- Stand for heated utensils. C. F. Smith. No. 45,970; June 16; Gaz. vol. 203; p. 896.
- Stand for holding cigars, pipes, matches, and lighters. H. Fink. No. 46,165; July 28; Gaz. vol. 204; p. 1316.
- Statuette. T. B. Ford. No. 45,989; June 23; Gaz. vol. 203; p. 1226.
- Statuette. J. S. Gilmore and W. D. Hall. No. 45,707; May 5; Gaz. vol. 202; p. 285.
- Statuette. J. S. Gilmore and W. D. Hall. No. 45,749; May 12; Gaz. vol. 202; p. 603.
- Statuette. H. Lederman. No. 46,505; Oct. 6; Gaz. vol. 207; p. 268.
- Steering-wheel. R. M. McLain. No. 46,441; Sept. 22; Gaz. vol. 206; p. 1141.
- Stereopticon supporting-frame and casing. A. F. Victor. No. 45,133; Jan. 6; Gaz. vol. 198; p. 220.
- Stick-pin. H. V. Letkemann. No. 46,684; Nov. 24; Gaz. vol. 208; p. 1327.
- Stocking. R. W. Scott. Nos. 46,185-6; July 28; Gaz. vol. 204; p. 1320.
- Stocking. R. W. Scott. Nos. 46,324-5; Aug. 25; Gaz. vol. 205; pp. 1295-6.
- Stool. E. O. Klemm. No. 46,054; July 7; Gaz. vol. 204; p. 285.
- Stool, Piano-. T. A. Barnes. No. 45,365; Mar. 10; Gaz. vol. 200; p. 550.
- Stopper. B. M. Eaton. No. 46,632; Nov. 10; Gaz. vol. 208; p. 627.
- Stove. L. S. Chadwick. Nos. 45,223-4; Feb. 10; Gaz. vol. 199; pp. 574-5.
- Stove. L. Dana. No. 45,835; May 26; Gaz. vol. 202; p. 1232.
- Stove. L. P. Hildebrand. No. 45,529; Mar. 31; Gaz. vol. 200; p. 1358.
- Stove. W. F. Rogers. No. 46,582; Oct. 20; Gaz. vol. 207; p. 895.
- Stove-base. W. R. Jeavons. No. 45,532; Mar. 31; Gaz. vol. 200; p. 1358.
- Stove-body, Sheet-metal. E. C. Cole. No. 46,492; Oct. 6; Gaz. vol. 207; p. 266.
- Stove, Cooking-. G. W. Howes. No. 46,470; Sept. 29; Gaz. vol. 206; p. 1416.
- Stove, Electric. R. A. Whitney. No. 46,239; Aug. 4; Gaz. vol. 205; p. 275.
- Stove, Gas-. J. W. Ashbaugh. No. 46,796; Dec. 29; Gaz. vol. 209; p. 1667.
- Stove, Gas-. J. M. Tobias. No. 45,245; Feb. 10; Gaz. vol. 199; p. 579.
- Stove, Heating-. G. W. Howes. No. 45,634; Apr. 21; Gaz. vol. 201; p. 865.
- Stove, Heating-. G. W. Howes. No. 46,094; July 14; Gaz. vol. 204; p. 647.
- Stove, Heating-. A. A. Specht. No. 45,129; Jan. 6; Gaz. vol. 198; p. 219.
- Stove-mat. N. M. Tucker. No. 46,586; Oct. 20; Gaz. vol. 207; p. 896.
- Stove or burner. Olf. P. E. Troutman. No. 45,246; Feb. 10; Gaz. vol. 199; p. 579.
- Stove or range warming-oven. F. R. Henry. No. 46,380; Sept. 1; Gaz. vol. 206; p. 285.
- Stove-top. J. M. Merritt. No. 45,945; June 16; Gaz. vol. 203; p. 891.
- Stove-window. W. R. Jeavons. No. 45,384; Mar. 10; Gaz. vol. 200; p. 553.
- Stoves, Dial for automatic cook-. R. M. G. Phillips. No. 45,916; June 9; Gaz. vol. 203; p. 577.
- Stoves, Gas-saving attachment for gas-. C. Huber. No. 46,401; Sept. 15; Gaz. vol. 206; p. 848.
- Suitcases, Fastener member for. A. Lowy. No. 45,814; May 19; Gaz. vol. 202; p. 923.
- Sun-dial. J. S. Alexander. No. 46,390; Sept. 15; Gaz. vol. 206; p. 846.
- Surgical basin. C. W. Meinecke. No. 46,262; Aug. 11; Gaz. vol. 205; p. 629.
- Surgical tray. S. G. Supplee. No. 46,010; June 23; Gaz. vol. 203; p. 1230.
- Sweeper body, Pneumatic-. L. L. Ferguson. No. 46,634; Nov. 10; Gaz. vol. 208; p. 627.
- Syringe-bag. T. W. Miller. No. 46,790; Dec. 22; Gaz. vol. 209; p. 1289.
- Syringe-bag. W. D. Yates. No. 45,901; June 2; Gaz. vol. 203; p. 278.
- Table. H. R. Brown. No. 46,357; Sept. 8; Gaz. vol. 206; p. 560.
- Table. A. G. Clampitt. No. 45,410; Mar. 17; Gaz. vol. 200; p. 830.
- Table. G. P. Strobel. Nos. 46,377-8; Sept. 8; Gaz. vol. 206; p. 563.
- Table-pedestal. J. Ingells. No. 45,876; June 2; Gaz. vol. 203; p. 273.
- Tail-light and sign-plate holder, Combined. E. E. Poole. No. 45,725; May 5; Gaz. vol. 202; p. 288.
- Talcum-powder can, Tapered oval. A. E. Bruns. No. 45,447; Mar. 24; Gaz. vol. 200; p. 1081.
- Talking-machine cabinet. E. T. Kieffer. No. 45,942; June 16; Gaz. vol. 203; p. 891.
- Talking-machine cabinet. H. B. McNulty. No. 45,467; Mar. 24; Gaz. vol. 200; p. 1084.
- Talking-machine motor-board. C. E. Woods. Nos. 46,303-4; Aug. 18; Gaz. vol. 205; p. 986.
- Talking-machine records, Brush for. T. W. Kirkman. No. 45,883; June 2; Gaz. vol. 203; p. 275.
- Talking-machine tone-arm. C. E. Woods. No. 46,302; Aug. 18; Gaz. vol. 205; p. 985.
- Tank. C. Pfau. No. 46,065; July 7; Gaz. vol. 204; p. 287.
- Teapot or similar article. W. C. Codman. No. 46,162; July 28; Gaz. vol. 204; p. 1315.
- Telephone casing, Hand-. M. Setter. No. 46,267; Aug. 11; Gaz. vol. 205; p. 630.
- Telephone-mouthpiece, Sanitary. C. Mundt. No. 45,347; Mar. 3; Gaz. vol. 200; p. 248.
- Temperature-indicator. H. H. Boyce. No. 45,099; Jan. 6; Gaz. vol. 198; p. 213.
- Temperature-indicator. R. N. Burton. Nos. 45,552-4; Apr. 7; Gaz. vol. 201; p. 239.
- Temperature-indicator. E. A. Larson. Nos. 45,560-2; Apr. 7; Gaz. vol. 201; pp. 240-1.
- Temperature-indicator. J. K. Stewart. No. 45,575; Apr. 7; Gaz. vol. 201; p. 243.
- Therapeutic-instrument casing. E. Garretson. No. 45,804; May 19; Gaz. vol. 202; p. 921.
- Threshing-machines and the like, Casing for grain-weighers for. J. R. Harrison. No. 46,671; Nov. 24; Gaz. vol. 208; p. 1325.
- Thumb-tack. C. A. Ford. No. 45,334; Mar. 3; Gaz. vol. 200; p. 245.
- Ticket, Hosiery-. J. W. Mettler. No. 46,315; Aug. 25; Gaz. vol. 205; p. 1293.

Alphabetical list of designs—Continued.

- Tile or paving block. C. S. Mangene. No. 46,286; Aug. 18; Gaz. vol. 205; p. 982.
- Tire. G. W. Greene. No. 46,670; Nov. 24; Gaz. vol. 208; p. 1325.
- Tire. H. P. Hansen. Nos. 45,932-3; June 16; Gaz. vol. 203; p. 889.
- Tire. J. E. Lee. No. 46,506; Oct. 6; Gaz. vol. 207; p. 269.
- Tire. J. Neary. No. 45,766; May 12; Gaz. vol. 202; p. 606.
- Tire. H. R. Smith. No. 45,498; Mar. 24; Gaz. vol. 200; p. 1091.
- Tire, Automobile. C. A. Daniel. No. 46,725; Dec. 8; Gaz. vol. 209; p. 653.
- Tire, Automobile. W. H. Kessler. No. 46,772; Dec. 15; Gaz. vol. 209; p. 1027.
- Tire-casing. J. H. Christian. No. 46,273; Aug. 18; Gaz. vol. 205; p. 979.
- Tire-casing. L. P. Destribats. No. 45,166; Jan. 20; Gaz. vol. 198; p. 676.
- Tire-casing. T. R. McKenna. No. 46,481; Sept. 29; Gaz. vol. 206; p. 1418.
- Tire, Pneumatic. T. R. Palmer. No. 46,447; Sept. 22; Gaz. vol. 206; p. 1143.
- Tire, Rubber. J. S. McClurg. No. 46,367; Sept. 8; Gaz. vol. 206; p. 562.
- Tire, Rubber or elastic. A. D. Nichols and W. W. McMahon. No. 45,723; May 5; Gaz. vol. 202; p. 288.
- Tire-supporting bracket for automobiles. G. F. Discher. No. 46,360; Sept. 8; Gaz. vol. 206; p. 560.
- Tire-tool, Automobile. F. W. Trabold. No. 46,782; Dec. 15; Gaz. vol. 209; p. 1029.
- Tire-tread. J. R. Gammeter. No. 45,107; Jan. 6; Gaz. vol. 198; p. 215.
- Tire-tread. G. W. Green. No. 45,807; May 19; Gaz. vol. 202; p. 922.
- Tire-tread. G. H. Robertson. No. 45,891; June 2; Gaz. vol. 203; p. 276.
- Tire, Vehicle. J. Christy. No. 46,428; Sept. 22; Gaz. vol. 206; p. 1138.
- Tire, Vehicle. G. W. Daum. No. 45,148; Jan. 13; Gaz. vol. 198; p. 479.
- Tire, Vehicle. G. W. Daum and G. W. Shiveley. No. 46,359; Sept. 8; Gaz. vol. 206; p. 560.
- Tire, Vehicle. B. C. Holwick. No. 46,675; Nov. 24; Gaz. vol. 208; p. 1326.
- Tire, Vehicle. R. J. Marshall. No. 46,439; Sept. 22; Gaz. vol. 206; p. 1141.
- Tire, Vehicle. J. Martin. No. 46,775; Dec. 15; Gaz. vol. 209; p. 1027.
- Tire, Vehicle. W. D. Morris. Nos. 46,537-8; Oct. 13; Gaz. vol. 207; p. 585.
- Tire, Vehicle. C. A. Schwartz. No. 46,700; Nov. 24; Gaz. vol. 208; p. 1330.
- Tire, Vehicle wheel. M. D. Kuhlke. Nos. 46,282-4; Aug. 18; Gaz. vol. 205; p. 981.
- Toaster. F. Kuhn. No. 45,388; Mar. 10; Gaz. vol. 200; p. 554.
- Toaster, Bread. S. Parker. No. 46,577; Oct. 20; Gaz. vol. 207; p. 894.
- Tombstone. W. Banks. No. 45,143; Jan. 13; Gaz. vol. 198; p. 478.
- Tool. C. H. Blantz. No. 46,310; Aug. 25; Gaz. vol. 205; p. 1293.
- Tool, Automatic. A. J. Michelin. No. 45,644; Apr. 21; Gaz. vol. 201; p. 867.
- Tool, Combination. C. Lindsey. No. 46,507; Oct. 6; Gaz. vol. 207; p. 269.
- Tool, Combination. W. J. Miller. No. 45,761; May 12; Gaz. vol. 202; p. 605.
- Tool-handle. E. F. Simpson, Jr. No. 45,435; Mar. 17; Gaz. vol. 200; p. 834.
- Tool, Pocket. A. G. Marion. No. 45,815; May 19; Gaz. vol. 202; p. 923.
- Tool, Square-head. E. A. Bardwell. No. 46,785; Dec. 22; Gaz. vol. 209; p. 1288.
- Tooth-cleaner, Sanitary. E. G. Over. No. 46,510; Oct. 6; Gaz. vol. 207; p. 269.
- Towel-holder. M. Kief. No. 46,096; July 14; Gaz. vol. 204; p. 648.
- Towel-rack. R. E. Barber. No. 45,515; Mar. 31; Gaz. vol. 200; p. 1355.
- Toy. A. J. Holladay. No. 45,531; Mar. 31; Gaz. vol. 200; p. 1358.
- Toy. A. W. Kelchline. No. 46,679; Nov. 24; Gaz. vol. 208; p. 1326.
- Toy. J. V. Klein. No. 46,080; July 7; Gaz. vol. 204; p. 290.
- Toy. E. A. Lahiere. No. 46,256; Aug. 11; Gaz. vol. 205; p. 628.
- Toy. G. Otstot. No. 46,540; Oct. 13; Gaz. vol. 207; p. 585.
- Toy. G. Otstot. Nos. 46,748-9; Dec. 8; Gaz. vol. 209; pp. 657-8.
- Toy. W. Scoles. Nos. 46,069-70; July 7; Gaz. vol. 204; p. 288.
- Toy artificial bird or fowl. W. R. Evans. No. 46,726; Dec. 8; Gaz. vol. 209; p. 653.
- Toy bank. J. H. Hartman. No. 45,458; Mar. 24; Gaz. vol. 200; p. 1083.
- Toy bank and clock-case. G. Congdon. No. 45,372; Mar. 10; Gaz. vol. 200; p. 551.
- Toy candy-box. E. J. Rowland. No. 46,293; Aug. 18; Gaz. vol. 205; p. 983.
- Toy figure. E. Allison. No. 46,158; July 28; Gaz. vol. 204; p. 1314.
- Toy figure. E. Allison. No. 46,241; Aug. 11; Gaz. vol. 205; p. 625.
- Toy figure. E. J. Shively. No. 45,274; Feb. 17; Gaz. vol. 199; p. 913.
- Toy figure. E. J. Shively. No. 46,007; June 23; Gaz. vol. 203; p. 1230.
- Toy float. P. W. N. King. No. 46,680; Nov. 24; Gaz. vol. 208; p. 1327.
- Toy music-box. D. D. Smith. No. 45,729; May 5; Gaz. vol. 202; p. 289.
- Tractor-body. R. O. Hendrickson and C. M. Eason. No. 45,302; Feb. 24; Gaz. vol. 199; p. 1216.
- Trap. J. Crawford. No. 45,856; June 2; Gaz. vol. 203; p. 270.
- Tray. F. A. La Jeunesse. No. 46,773; Dec. 15; Gaz. vol. 209; p. 1027.
- Tray, Cuff-button. E. Underwood. No. 45,438; Mar. 17; Gaz. vol. 200; p. 835.
- Tray for shell-fish. J. W. Dalton. No. 45,254; Feb. 17; Gaz. vol. 199; p. 910.
- Tray-handle. E. A. Farr. No. 45,745; May 12; Gaz. vol. 202; p. 602.
- Tray, Meat. C. T. Bender. No. 46,618; Nov. 3; Gaz. vol. 208; p. 306.
- Tray or similar article. W. C. Codman. No. 45,793; May 19; Gaz. vol. 202; p. 919.
- Tray or similar receptacle, Sugar. C. Heisey. No. 45,138; Jan. 6; Gaz. vol. 198; p. 221.
- Trimming. S. N. Goodman. Nos. 45,869-71; June 2; Gaz. vol. 203; pp. 272-3.
- Trousers-guard. B. A. Brown, Sr. No. 46,661; Nov. 24; Gaz. vol. 208; p. 1323.
- Truck body, Motor. G. B. Francis and B. H. Smith. No. 45,105; Jan. 6; Gaz. vol. 198; p. 214.
- Truck body, Motor. M. S. Walton and W. B. Joslyn. No. 46,554; Oct. 13; Gaz. vol. 207; p. 588.
- Truck bolster, Car. W. S. Adams. Nos. 45,682-3; Apr. 28; Gaz. vol. 201; p. 1186.
- Trunk-fixture. G. H. Wheary. No. 45,318; Feb. 24; Gaz. vol. 199; p. 1219.
- Tub and sink combination. F. D. Infantino. No. 45,995; June 23; Gaz. vol. 203; p. 1227.
- Tumbler. A. J. Sanford. No. 45,605; Apr. 14; Gaz. vol. 201; p. 538.
- Tumbler. A. J. Sanford. No. 46,296; Aug. 18; Gaz. vol. 205; p. 984.
- Tumbler. A. J. Sanford. No. 46,449; Sept. 22; Gaz. vol. 206; p. 1143.
- Tumbler, goblet, jug, or similar article. W. E. Hunter. Nos. 45,754-6; May 12; Gaz. vol. 202; p. 604.
- Tumbler or similar article. A. J. Sanford. No. 46,320; Aug. 25; Gaz. vol. 205; p. 1294.
- Tumbler or similar article. C. S. Whipple. No. 46,646; Nov. 10; Gaz. vol. 208; p. 629.
- Twine-holder. S. W. Wardwell. Nos. 46,078-9; July 7; Gaz. vol. 204; p. 290.
- Type, Font of. M. F. Benton. Nos. 45,981-2; June 23; Gaz. vol. 203; p. 1224.
- Type, Font of. M. F. Benton. No. 46,041; July 7; Gaz. vol. 204; p. 282.
- Type, Font of. M. F. Benton. No. 46,330; Sept. 1; Gaz. vol. 206; p. 283.
- Type, Font of. M. F. Benton. Nos. 46,720-1; Dec. 8; Gaz. vol. 209; p. 652.
- Type, Font of. F. W. Goudy. No. 45,108; Jan. 6; Gaz. vol. 198; p. 215.
- Type, Font of. C. Schraubstadter. No. 45,894; June 2; Gaz. vol. 203; p. 277.
- Type, Font of. S. M. Weatherly. No. 45,608; Apr. 14; Gaz. vol. 201; p. 539.
- Type-writing-machine frame. C. C. Harting and T. L. Knapp. No. 45,420; Mar. 17; Gaz. vol. 200; p. 832.
- Type-writing-machine keys, Cap for. G. W. Crowley. No. 46,020; June 30; Gaz. vol. 203; p. 1523.
- Urinal. D. A. Ebinger. No. 45,330; Mar. 3; Gaz. vol. 200; p. 245.
- Urinal. J. Shanks. Nos. 45,206-7; Feb. 3; Gaz. vol. 199; pp. 272-3.
- Urn. G. E. Curtiss. Nos. 45,588-90; Apr. 14; Gaz. vol. 201; pp. 535-6.
- Urn. G. E. Curtiss. Nos. 45,700-1; May 5; Gaz. vol. 202; p. 284.
- Utensil, Household. A. J. Neuberger. No. 46,810; Dec. 29; Gaz. vol. 209; p. 1670.
- Vacuum-cleaner frame. W. S. Sutton. No. 45,405; Mar. 10; Gaz. vol. 200; p. 557.
- Vacuum cleaning-machines, Shoe for. O. Drake. No. 46,631; Nov. 10; Gaz. vol. 208; p. 626.
- Vacuum clothes-pounder. F. I. Nelson. No. 45,308; Feb. 24; Gaz. vol. 199; p. 1217.
- Valance. C. Weilert. No. 46,194; July 28; Gaz. vol. 204; p. 1322.
- Valve. W. S. Fairhurst. No. 46,164; July 28; Gaz. vol. 204; p. 1316.

Alphabetical list of designs—Continued.

- Valve-body. J. H. Hedmark. No. 45,994; June 23; Gaz. vol. 203; p. 1227.
- Valve-body. S. W. Lewis. No. 45,841; May 26; Gaz. vol. 202; p. 1233.
- Valve casing, Radiator-air-. G. D. Hoffman. Nos. 46,341-2; Sept. 1; Gaz. vol. 206; pp. 285-6.
- Valve, Fractional inlet-. J. A. Donnelly. No. 46,431; Sept. 22; Gaz. vol. 206; p. 1139.
- Valve-wheel. J. J. Aull. No. 45,142; Jan. 13; Gaz. vol. 198; p. 477.
- Vanity-case. A. Bienenzucht. No. 46,160; July 28; Gaz. vol. 204; p. 1315.
- Vanity-case. A. Kaufmann. Nos. 46,344-5; Sept. 1; Gaz. vol. 206; p. 286.
- Vase. P. Ebeling. No. 46,022; June 30; Gaz. vol. 203; p. 1523.
- Vase or similar article. F. R. Roberts, Jr. No. 46,751; Dec. 8; Gaz. vol. 209; p. 658.
- Vault, Burial-. H. D. Clark. No. 45,252; Feb. 17; Gaz. vol. 199; p. 910.
- Vault, Metallic. C. H. Hiser. No. 45,259; Feb. 17; Gaz. vol. 199; p. 911.
- Vehicle-body. G. W. Bulley. No. 45,686; Apr. 28; Gaz. vol. 201; p. 1186.
- Vehicle-body. H. L. Davidson. No. 45,226; Feb. 10; Gaz. vol. 199; p. 575.
- Vehicle-body. G. W. Dunham. Nos. 45,928-9; June 16; Gaz. vol. 203; p. 888.
- Vehicle-body. O. M. Gross. No. 45,990; June 23; Gaz. vol. 203; p. 1226.
- Vehicle-body. A. J. Neerken. No. 45,722; May 5; Gaz. vol. 202; p. 288.
- Vehicle-body. J. S. Stephens. No. 46,327; Aug. 25; Gaz. vol. 205; p. 1296.
- Vehicle-body. W. I. Twombly. No. 46,146; July 21; Gaz. vol. 204; p. 983.
- Vehicle body, Motor-. H. M. Dawley. No. 45,185; Feb. 3; Gaz. vol. 199; p. 268.
- Vehicle-frame. J. Workman. No. 45,733; May 5; Gaz. vol. 202; p. 290.
- Vehicle front end, Motor-. E. J. Cook. No. 46,200; Aug. 4; Gaz. vol. 205; p. 268.
- Vehicle-runner. T. M. Macomber. No. 46,031; June 30; Gaz. vol. 203; p. 1525.
- Vehicles and the like, Wind-shield for motor-. W. G. Bratton. No. 45,327; Mar. 3; Gaz. vol. 200; p. 244.
- Veiling, Net. Z. Van Raalts. No. 46,067; July 7; Gaz. vol. 204; p. 288.
- Velvet. S. Blumenthal. No. 46,466; Sept. 29; Gaz. vol. 206; p. 1415.
- Vending-machine casing. H. D. Hinckley. No. 45,530; Mar. 31; Gaz. vol. 200; p. 1358.
- Vending-machine casing. J. L. Taylor. No. 45,697; Apr. 28; Gaz. vol. 201; p. 1189.
- Vending-machines, Casing for. H. D. Deshler. No. 46,715; Dec. 1; Gaz. vol. 209; p. 310.
- Violin. V. H. Burrows. No. 45,986; June 23; Gaz. vol. 203; p. 1225.
- Violin-bridge. W. A. E. Michaelis. No. 45,600; Apr. 14; Gaz. vol. 201; p. 537.
- Violin chin-plate. F. W. Becker. No. 46,490; Oct. 6; Gaz. vol. 207; p. 266.
- Waist-front. H. Schwarber. No. 46,551; Oct. 13; Gaz. vol. 207; p. 587.
- Wall-covering. R. B. Griffin. Nos. 45,710-12; May 5; Gaz. vol. 202; p. 286.
- Wall covering, frieze, border, or similar article. R. Weiss. No. 45,577; Apr. 7; Gaz. vol. 201; p. 243.
- Wardrobe. J. Brause. No. 45,445; Mar. 24; Gaz. vol. 200; p. 1080.
- Washstand. G. H. Bryant. No. 45,852; June 2; Gaz. vol. 203; p. 270.
- Watch and clock dial. J. L. Dilger. No. 46,769; Dec. 15; Gaz. vol. 209; p. 1026.
- Watch, Bracelet-. C. L. Depollier. No. 46,121; July 21; Gaz. vol. 204; p. 978.
- Watch-bracelet or similar article. G. B. Austin. No. 46,040; July 7; Gaz. vol. 204; p. 282.
- Watch-bracelets, Box or case for holding and displaying. G. Fieseler. No. 46,050; July 7; Gaz. vol. 204; p. 284.
- Watch-dial. J. E. Newton. No. 45,201; Feb. 3; Gaz. vol. 199; p. 271.
- Watch-fob. C. R. Blomberg. No. 46,392; Sept. 15; Gaz. vol. 206; p. 846.
- Watch-holder. B. R. Jolly. No. 45,303; Feb. 24; Gaz. vol. 199; p. 1216.
- Watch-holder. S. R. Milburn. No. 45,393; Mar. 10; Gaz. vol. 200; p. 555.
- Watch or clock dial. C. W. Bridges. No. 45,101; Jan. 6; Gaz. vol. 198; p. 214.
- Water-bag. F. F. Brucker. No. 46,198; Aug. 4; Gaz. vol. 205; p. 268.
- Water-closet fixture. A. W. Biever. No. 45,221; Feb. 10; Gaz. vol. 199; p. 574.
- Water-distributing fixture, Bath. W. A. Speakman. No. 45,574; Apr. 7; Gaz. vol. 201; p. 243.
- Water-heater. P. A. Deasy. No. 4,048; July 7; Gaz. vol. 204; p. 284.
- Water-heater. H. J. Ryan. No. 45,696; Apr. 28; Gaz. vol. 201; p. 1189.
- Water-heater body. H. S. Humphrey. No. 46,252; Aug. 11; Gaz. vol. 205; p. 627.
- Weather-vane. A. L. Litchfield. No. 46,641; Nov. 10; Gaz. vol. 208; p. 628.
- Wheel. J. E. Strietelmeier. No. 45,844; May 26; Gaz. vol. 202; p. 1234.
- Wheel. J. E. Strietelmeier. No. 46,035; June 30; Gaz. vol. 203; p. 1525.
- Wheel for power-vehicles, Cast-metal. R. H. West. No. 46,710; Nov. 24; Gaz. vol. 208; p. 1332.
- Wheel or tire carrier. G. H. Clarke. No. 46,663; Nov. 24; Gaz. vol. 208; p. 1324.
- Wheel-puller. F. C. Hersee. No. 45,459; Mar. 24; Gaz. vol. 200; p. 1083.
- Wheels, Housing for hay-rack. L. R. Coty. No. 46,246; Aug. 11; Gaz. vol. 205; p. 626.
- Window-display. C. E. Isacke. No. 45,153; Jan. 13; Gaz. vol. 198; p. 480.
- Wrecking-bar with hammer attachment. L. E. Shane. No. 45,821; May 19; Gaz. vol. 202; p. 924.
- Wrench. W. Gravier and M. P. Hutchins. No. 45,556; Apr. 7; Gaz. vol. 201; p. 239.
- Wrench. H. E. Warren. No. 45,165; Jan. 13; Gaz. vol. 198; p. 482.
- Wrench and hose-spanner. C. E. Berry. No. 46,424; Sept. 22; Gaz. vol. 206; p. 1137.
- Wrench, Solid. W. S. Thomson. No. 46,189; July 28; Gaz. vol. 204; p. 1321.
- Wrench, Spanner-. C. A. Martin. No. 46,260; Aug. 11; Gaz. vol. 205; p. 629.
- Yoke, Neck-. A. G. Sandman. No. 45,241; Feb. 10; Gaz. vol. 199; p. 578.

ALPHABETICAL LIST OF TRADE-MARKS.

- Abrasive cloth and paper. United States Sand Paper Co. No. 97,019; May 12; Gaz. vol. 202; p. 629.
- Abrasive cloth and paper, &c. United States Sand Paper Company. No. 101,452; Dec. 15; Gaz. vol. 209; p. 1049.
- Abrasive for producing a dull finish on any polished surface. T. F. Mutchie. No. 96,712; Apr. 28; Gaz. vol. 201; p. 1215.
- Abrasive paper and cloth. Manning Sand Paper Company. Nos. 97,430-3; June 2; Gaz. vol. 203; p. 300.
- Abrasive stones, Artificial. American Hone Co. No. 101,087; Nov. 10; Gaz. vol. 208; p. 652.
- Abrasive wheels, blocks, powders, fabrics, and papers. Ste. Ame. "le Boro Carbone." Nos. 99,124-5; Aug. 18; Gaz. vol. 205; p. 1016.
- Abrasives in comminuted form. Alden Speare's Sons Co. Nos. 98,728-9; Aug. 4; Gaz. vol. 205; p. 297.
- Abrasives, Iron and steel. Pittsburgh Crushed Steel Co. No. 99,903; Sept. 22; Gaz. vol. 206; p. 1159.
- Acetyl-cellulose, Articles made of. Society of Chemical Industry in Basle. No. 99,656; Sept. 8; Gaz. vol. 206; p. 586.
- Acetyl-salicylic acids. Chemische Fabrik von Heyden, Aktiengesellschaft. No. 98,042; June 30; Gaz. vol. 203; p. 1552.
- Acetylene-generators. Acetylene Apparatus Manufacturing Company. No. 95,972; Mar. 31; Gaz. vol. 200; p. 1385.
- Adding and calculating machines. H. W. Elgi, Ingr. No. 95,611; Mar. 3; Gaz. vol. 200; p. 273.
- Adding and recording machines. Sun Typewriter Company. No. 100,178; Oct. 6; Gaz. vol. 207; p. 296.
- Adding-machines, combined type-writing and adding machines, and parts thereof. J. Underwood & Company. No. 96,062; Mar. 31; Gaz. vol. 200; p. 1388.
- Adhesive. Chemical Specialties Co. No. 96,104; Apr. 7; Gaz. vol. 201; p. 261.
- Adhesive compound for use in attaching artificial teeth to gums. Magic Suction Company. No. 96,310; Apr. 14; Gaz. vol. 201; p. 565.
- Adhesive material resembling solder. Old Roman Solder Co. No. 98,190; July 7; Gaz. vol. 204; p. 311.
- Adhesive paste and adhesive sizing. American Hominy Company. No. 95,727; Mar. 10; Gaz. vol. 200; p. 577.
- Adhesive plasters and wound-salves. J. Benario. No. 98,121; July 7; Gaz. vol. 204; p. 309.
- Adhesives and glues. Ago-Lederkitt-Industrie-Gesellschaft mit beschränkter Haftung. No. 97,305; June 2; Gaz. vol. 203; p. 297.
- Advertising and informative pamphlets. C. A. Tower. No. 98,834; Aug. 4; Gaz. vol. 205; p. 300.
- Advertising apparatus. Pacific Oriental Specialty Company. No. 97,880; June 23; Gaz. vol. 203; p. 1257.
- Advertising devices. W. A. Anderson & Co. No. 101,262; Nov. 24; Gaz. vol. 208; p. 1351.
- Aeroplanes, motor-boats, &c., and their parts. Cyklon Maschinenfabrik m. b. H. No. 100,695; Oct. 20; Gaz. vol. 207; p. 932.
- Agricultural implements, Certain named. Chattanooga Implement & Manufacturing Co. No. 97,121; May 19; Gaz. vol. 202; p. 947.
- Agricultural implements, Certain parts for certain. Galesburg Coulter-Disc Co. No. 96,269; Apr. 14; Gaz. vol. 201; p. 564.
- Air-moistener. L. E. Burleigh. No. 96,939; May 12; Gaz. vol. 202; p. 627.
- Air-moistening devices for use with radiators, stoves, &c. Goldman & Salatsch. No. 101,155; Nov. 17; Gaz. vol. 208; p. 980.
- Airships, boats, motor-vehicles, &c., Certain named. Daimler-Motoren-Gesellschaft. No. 100,959; Nov. 3; Gaz. vol. 208; p. 333.
- Alcoholic liquors, Certain named. R. Rose. No. 96,190; Apr. 7; Gaz. vol. 201; p. 264.
- Alcoholic liquors, Certain named. R. Rose. No. 97,560; June 9; Gaz. vol. 203; p. 598.
- Alcoholic liquors, Certain named distilled. David Nicholson Grocer Company. No. 98,888; Aug. 4; Gaz. vol. 205; p. 301.
- Alcoholic liquors, Certain named distilled. R. M. Rose Company. No. 96,831; May 5; Gaz. vol. 202; p. 310.
- Ale. Burkhardt Brewing Company. No. 100,499; Oct. 20; Gaz. vol. 207; p. 927.
- Ale and stout. J. P. O'Brien & Co. No. 98,077; June 30; Gaz. vol. 203; p. 1553.
- Alimentary paste. The Atlantic Macaroni Co. Nos. 95,588-90; Mar. 3; Gaz. vol. 200; p. 273.
- Alimentary paste products. The Atlantic Macaroni Co. No. 94,861; Jan. 13; Gaz. vol. 198; p. 489.
- Alimentary paste products. S. Bartolotta & Co. No. 99,035; Aug. 11; Gaz. vol. 205; p. 658.
- Alimentary paste products. Fort Worth Macaroni Co. Nos. 99,964-6; Sept. 29; Gaz. vol. 206; p. 1432.
- Alimentary paste products. Vesuvio & Piedmont Paste Co. No. 96,469; Apr. 21; Gaz. vol. 201; p. 897.
- Alkaline Antiseptic. Steinicke and Apicella. No. 95,490; Feb. 17; Gaz. vol. 199; p. 936.
- Alkalis. The Magadi Soda Company. No. 96,027; Mar. 31; Gaz. vol. 200; p. 1386.
- Alloy. H. Henrich. No. 97,420; June 2; Gaz. vol. 203; p. 300.
- Alloy, Metallic. American Duralumin Co. No. 95,039; Feb. 3; Gaz. vol. 199; p. 297.
- Alloys, Certain named. J. Buchel. No. 95,395; Feb. 17; Gaz. vol. 199; p. 933.
- Alloys, Certain named metallic. Elektrizitätswerk Lonza. No. 99,450; Sept. 1; Gaz. vol. 206; p. 308.
- Alloys for welding and repairing aluminum castings, &c. The Chemical Specialties Co. No. 98,856; Aug. 4; Gaz. vol. 205; p. 300.
- Almanac or magazine of business, Monthly. The Atlas Portland Cement Company. No. 96,222; Apr. 14; Gaz. vol. 201; p. 563.
- Alterative, Blood-. Firm of H. W. and G. W. Campbell. No. 101,562; Dec. 29; Gaz. vol. 209; p. 1687.
- Aluminum castings. The Cleveland Electro Metals Company. No. 100,768; Oct. 27; Gaz. vol. 207; p. 1242.
- Aluminum ware. The E. A. Fargo Company. No. 97,130; May 19; Gaz. vol. 202; p. 948.
- Ammonia-compressors, Small. The Portsmouth Engine Co. No. 100,884; Oct. 27; Gaz. vol. 207; p. 1245.
- Amusement apparatus. W. F. Mangels. No. 81,410; Nov. 24; Gaz. vol. 208; p. 1345.
- Analgesic. Salbenol Co. No. 100,424; Oct. 20; Gaz. vol. 207; p. 924.
- Anchor-rods for guy-wire anchors. Crouse-Hinds Company. No. 96,792; May 5; Gaz. vol. 202; p. 309.
- Anesthetics. Farbwerke-Hoechst Company. No. 97,690; June 16; Gaz. vol. 203; p. 922.
- Anesthetics, Local. The Eli Lilly and Company. No. 100,363; Oct. 20; Gaz. vol. 207; p. 923.
- Anesthetics, Local. R. B. Waite. No. 95,272; Feb. 3; Gaz. vol. 199; p. 304.
- Animal-traps. Oneida Community. No. 101,412; Dec. 8; Gaz. vol. 209; p. 681.
- Ankle-protectors and hot-water bags. Howe Rubber Co. No. 96,295; Apr. 14; Gaz. vol. 201; p. 565.
- Antirheumatic, antacid, and alkaline laxative. M. E. Robins. No. 98,009; June 30; Gaz. vol. 203; p. 1551.
- Antiseptic. M. Sobrino. No. 95,487; Feb. 17; Gaz. vol. 199; p. 936.
- Antiseptic absorbent for allaying inflammation. A. H. Richardson. No. 98,199; July 7; Gaz. vol. 204; p. 311.
- Antiseptic and aseptic liquids and disinfectants. J. L. Lascoff. No. 96,895; May 5; Gaz. vol. 202; p. 312.
- Antiseptic and healing solutions for treating certain named ailments. G. I. Young. No. 95,031; Jan. 20; Gaz. vol. 198; p. 700.
- Antiseptic and prophylactic liquids for external and internal use. Mueller Chemical Company. No. 101,191; Nov. 17; Gaz. vol. 208; p. 981.
- Antiseptic chemical substances and sanitary paints or dressings. Farbwerke vorm. Meister Lucius & Brüning. No. 94,820; Jan. 6; Gaz. vol. 198; p. 235.
- Antiseptic drugs, Packed. C. H. Francis. No. 95,252; Feb. 3; Gaz. vol. 199; p. 303.
- Antiseptic for certain named ailments. M. A. Dodson. No. 96,503; Apr. 21; Gaz. vol. 201; p. 898.
- Antiseptic for cleaning, &c. A. V. Rhodes. No. 99,402; Aug. 25; Gaz. vol. 205; p. 1321.
- Antiseptic, germicide, &c., preparation, Alkaline. R. M. Seibel. No. 96,195; Apr. 7; Gaz. vol. 201; p. 264.
- Antiseptic, Intestinal and pulmonary. E. C. Woodcock. No. 97,102; May 19; Gaz. vol. 203; p. 947.
- Antiseptic liquid. North American Pharmacal Co. No. 98,964; Aug. 11; Gaz. vol. 205; p. 656.
- Antiseptic liquid compound. Dickson Pharmacal Co. No. 97,686; June 16; Gaz. vol. 203; p. 922.
- Antiseptic, Local. J. L. Walsh. No. 101,023; Nov. 3; Gaz. vol. 208; p. 335.
- Antiseptic, Non-poisonous. A. S. Wildey. No. 96,479; Apr. 21; Gaz. vol. 201; p. 897.
- Antiseptic preparations. Monroe Pharmacal Company. No. 100,011; Sept. 29; Gaz. vol. 206; p. 1433.
- Antiseptic solution. T. W. Bradley. No. 98,743; Aug. 4; Gaz. vol. 205; p. 297.
- Antiseptic solution. United Drug Company. No. 97,736; June 16; Gaz. vol. 203; p. 923.
- Antiseptic solution and germicidal disinfectant. The Kolynos Co. No. 100,355; Oct. 20; Gaz. vol. 207; p. 922.

Alphabetical list of trade-marks—Continued.

- Antiseptic solutions, Alkaline. Alka-Pine Chemical Co. No. 101,117; Nov. 17; Gaz. vol. 208; p. 979.
- Antiseptic wash for the treatment of pyorrhea alveolaris, &c. P. T. Barber. No. 98,116; July 7; Gaz. vol. 204; p. 309.
- Antiseptics. W. S. Godwin. No. 99,975; Sept. 29; Gaz. vol. 206; p. 1432.
- Antiseptics. A. N. E. Lindahl. Nos. 95,326-7; Feb. 10; Gaz. vol. 199; p. 612.
- Antiseptics, disinfectants, and deodorants. Bristol-Myers Company. No. 100,260; Oct. 20; Gaz. vol. 207; p. 920.
- Antiseptics, salves, &c. Hammer Remedy Co. No. 99,390; Aug. 25; Gaz. vol. 205; p. 1321.
- Antisyphilitic. The Bayer Company. No. 98,740; Aug. 4; Gaz. vol. 205; p. 297.
- Anvils. Illinois Iron & Bolt Co. No. 96,679; Apr. 28; Gaz. vol. 201; p. 1214.
- Apple-butter, fruit jellies, jams, and preserves. Sulzberger & Sons Company. Nos. 98,435-6; July 14; Gaz. vol. 204; p. 671.
- Apples and peaches, Fresh. Fruitland Orchards. No. 100,537; Oct. 20; Gaz. vol. 207; p. 928.
- Apples, Dried. Wayne County Driers & Packers Fruit Company. No. 98,343; July 7; Gaz. vol. 204; p. 316.
- Apples, Fresh. Lynch-Taylor Produce Co. No. 101,185; Nov. 17; Gaz. vol. 208; p. 981.
- Apples, Fresh. Oakglen Apple Growers' Association. No. 100,601; Oct. 20; Gaz. vol. 207; p. 930.
- Apples, Fresh. Spokane Fruit Growers' Co. No. 99,251; Aug. 25; Gaz. vol. 205; p. 1316.
- Apples, Green, dried, and evaporated. Seggerman Bros. No. 100,900; Oct. 27; Gaz. vol. 207; p. 1245.
- Apples, pears, and cherries, Fresh. Bitter Root Valley Orchards. No. 97,589; June 16; Gaz. vol. 203; p. 919.
- Apples, pears, peaches, plums, &c., Fresh. J. Turnbull. No. 98,338; July 7; Gaz. vol. 204; p. 315.
- Application for relief of coughs, colds, bronchitis, &c., External. J. J. Vetter. No. 101,476; Dec. 15; Gaz. vol. 209; p. 1050.
- Application for the relief of goiter, External. F. H. Desjardins. No. 99,144; Aug. 18; Gaz. vol. 205; p. 1017.
- Aprons. Milwaukee Apron Company. No. 97,548; June 9; Gaz. vol. 203; p. 598.
- Aprons, dresses, rompers, kimonos, &c. F. Schneider. No. 101,339; Nov. 24; Gaz. vol. 208; p. 1353.
- Aprons, rompers, wrappers, &c. Lancaster Mills. No. 98,956; Aug. 11; Gaz. vol. 205; p. 656.
- Aprons, rompers, wrappers, shirts, and pajamas. Lancaster Mills. No. 96,892; May 5; Gaz. vol. 202; p. 312.
- Aprons, Workmen's. Abbot Jacket Manufacturing Company. No. 100,472; Oct. 20; Gaz. vol. 207; p. 926.
- Art publications, lithographs, pictures, &c. Kunstanstalten Aktiengesellschaft vormals Adolf May und Müller & Lohse. No. 97,543; June 9; Gaz. vol. 203; p. 597.
- Articles composed of certain named substances, Certain. Felten & Guillaume Carlswerk Actien-Gesellschaft. Nos. 94,808-9; Jan. 6; Gaz. vol. 198; p. 235.
- Articles of personal adornment, Certain named. Larter & Sons. No. 101,253; Nov. 17; Gaz. vol. 208; p. 983.
- Asbestos jointing and packing. Hall & Hall. No. 99,208; Aug. 25; Gaz. vol. 205; p. 1315.
- Asbestos packing materials. F. Burgmann. No. 95,296; Feb. 10; Gaz. vol. 199; p. 611.
- Asparagus, Fresh. L. B. Sidway. No. 95,232; Feb. 3; Gaz. vol. 199; p. 302.
- Asphalt and asphaltic residuum products. The United States Asphalt Refining Company. No. 100,451; Oct. 20; Gaz. vol. 207; p. 925.
- Asphalt and asphaltum residuum products. The Toltec Mexican Oil Co. No. 100,447; Oct. 20; Gaz. vol. 207; p. 925.
- Asphaltum. Warner-Quinlan Asphalt Company. No. 99,522; Sept. 1; Gaz. vol. 206; p. 310.
- Asphaltum paste. Universal Compound Co. No. 98,100; June 30; Gaz. vol. 203; p. 1554.
- Asthma, Metal plate for the relief of. J. W. Reilly. No. 95,665; Mar. 3; Gaz. vol. 200; p. 275.
- Athletic games or sports, Implements, apparatus, and articles used in certain. A. G. Spalding & Bros. No. 96,361; Apr. 14; Gaz. vol. 201; p. 567.
- Athletic goods, Certain named. M. B. Freidenrich. No. 97,134; May 19; Gaz. vol. 202; p. 948.
- Atomizers and nebulizers. The De Vilbiss Manufacturing Company. No. 95,527; Feb. 24; Gaz. vol. 199; p. 1239.
- Autogenous welding. Vulcan Process Co. No. 101,236; Nov. 17; Gaz. vol. 208; p. 982.
- Autographic registers. Autographic Register Company. No. 99,932; Sept. 29; Gaz. vol. 206; p. 1431.
- Automobile and vehicle appliances, Certain named. Daimler-Motoren-Gesellschaft. No. 101,137; Nov. 17; Gaz. vol. 208; p. 979.
- Automobile, boat, and aeroplane horns. The G. Piel Company. No. 94,826; Jan. 6; Gaz. vol. 198; p. 236.
- Automobile brake-lining. The Russell Manufacturing Co. Nos. 95,352-3; Feb. 10; Gaz. vol. 199; p. 613.
- Automobile-horns. Standard Motor Parts Mfg. Co. No. 98,828; Aug. 4; Gaz. vol. 205; p. 300.
- Automobile kit-tools, wrenches, and screw-drivers. S. & A. Manufacturing Co. No. 95,668; Mar. 3; Gaz. vol. 200; p. 275.
- Automobile-pumps. Bolté & Weyer Co. Nos. 99,938-9; Sept. 29; Gaz. vol. 206; p. 1431.
- Automobile-springs and wire wheels. W. S. Daniels. No. 99,440; Sept. 1; Gaz. vol. 206; p. 307.
- Automobile truss-rods. V. V. Gilkes. No. 98,513; July 21; Gaz. vol. 204; p. 1007.
- Automobiles. Comet Cycle Car Company. No. 96,254; Apr. 14; Gaz. vol. 201; p. 564.
- Automobiles. The Electric and Ordnance Accessories Company. No. 101,509; Dec. 22; Gaz. vol. 209; p. 1313.
- Automobiles. The Pierce-Arrow Motor Car Company. No. 97,501; June 9; Gaz. vol. 203; p. 596.
- Automobiles. Haynes Automobile Co. No. 95,909; Mar. 24; Gaz. vol. 200; p. 1110.
- Automobiles. L-P-C Motor Company. No. 100,711; Oct. 20; Gaz. vol. 207; p. 933.
- Automobiles. Lozier Motor Company. No. 100,364; Oct. 20; Gaz. vol. 207; p. 923.
- Automobiles. Maxwell Motor Company. No. 99,164; Aug. 18; Gaz. vol. 205; p. 1017.
- Automobiles. Monarch Motor Car Company. No. 100,380; Oct. 20; Gaz. vol. 207; p. 923.
- Automobiles. Saxon Motor Company. No. 100,429; Oct. 20; Gaz. vol. 207; p. 925.
- Automobiles. F. A. Woods. No. 98,109; June 30; Gaz. vol. 203; p. 1554.
- Automobiles. F. A. Woods. No. 99,528; Sept. 1; Gaz. vol. 206; p. 310.
- Automobiles. F. A. Woods. No. 99,672; Sept. 8; Gaz. vol. 206; p. 587.
- Automobiles, bodies, running-gears, and chassis. Ford Motor Company. No. 98,655; July 28; Gaz. vol. 204; p. 1340.
- Automobiles, motor boats and cycles, aeroplanes, and aerohydroplanes. J. E. Cohen. No. 96,253; Apr. 14; Gaz. vol. 201; p. 564.
- Automobiles, motor-vehicles, and parts thereof. Chevrolet Motor Company. Nos. 95,398-400; Feb. 17; Gaz. vol. 199; p. 933.
- Automobiles, motor-vehicles, and parts thereof. Chevrolet Motor Company. No. 95,990; Mar. 31; Gaz. vol. 200; p. 1385.
- Awnings. Bronx Window Shade & Awning Co. No. 99,420; Sept. 1; Gaz. vol. 206; p. 307.
- Awnings, tents, canopies, &c. The Wagner Manufacturing Co. No. 98,722; July 28; Gaz. vol. 204; p. 1342.
- Axes. Mann Edge Tool Co. No. 100,002; Sept. 29; Gaz. vol. 206; p. 1433.
- Axes, files, hammers, wrenches, forks, and shovels. Krakauer Zork & Moye's Sucs. No. 95,118; Feb. 3; Gaz. vol. 199; p. 299.
- Babbitt and antifriction metals. Great Western Smelting & Refining Co. No. 96,009; Mar. 31; Gaz. vol. 200; p. 1386.
- Babbitt and antifriction metals. Great Western Smelting & Refining Co. No. 96,282; Apr. 14; Gaz. vol. 201; p. 565.
- Babbitt metal. U. S. Reduction Company. No. 95,578; Feb. 24; Gaz. vol. 199; p. 1241.
- Babbitt or bearing metal, brass, and white metals, Certain formula of. North American Smelting Company. No. 97,879; June 23; Gaz. vol. 203; p. 1257.
- Baby-carriages and go-carts. P. & L. Comfort Baby Carriage Co. No. 98,639; July 28; Gaz. vol. 204; p. 1340.
- Bacilli preparations for treatment of tuberculosis, &c. Kalle & Co. Aktiengesellschaft. No. 99,470; Sept. 1; Gaz. vol. 206; p. 308.
- Bacteria, Nitrogen-fixing. Western Legumogerm Company. No. 95,967; Mar. 24; Gaz. vol. 200; p. 1112.
- Bactericide, germicide, antiseptic, &c. Dunlap & Co. No. 96,950; May 12; Gaz. vol. 202; p. 627.
- Bacteriological products. The Ferment Company. No. 94,991; Jan. 20; Gaz. vol. 198; p. 699.
- Baggage and horse equipments, Certain named. International Buckle Company. No. 100,336; Oct. 20; Gaz. vol. 207; p. 922.
- Bags and sacks, Cotton and paper. Arkell & Smiths. No. 97,200; May 26; Gaz. vol. 202; p. 1253.
- Bags and trunks, portfolios, and pocket-books. Martins Birmingham Limited. No. 96,814; May 5; Gaz. vol. 202; p. 310.
- Bags, Canvas coal-. E. L. Koller. No. 96,142; Apr. 7; Gaz. vol. 201; p. 262.
- Bags, certain coverings, and materials, Woven textile for. The Cleveland-Akron Bag Co. No. 98,363; July 14; Gaz. vol. 204; p. 669.
- Bags, Cotton. Royal River Manufacturing Co. No. 94,942; Jan. 13; Gaz. vol. 198; p. 491.
- Bags, Cotton-duck. Wm. E. Hooper & Sons Co. No. 97,537; June 9; Gaz. vol. 203; p. 597.
- Bags, Hand-. H. Gallert. No. 95,312; Feb. 10; Gaz. vol. 199; p. 612.
- Bags, Hanging. S. H. Cragg. No. 100,285; Oct. 20; Gaz. vol. 207; p. 920.
- Bags, Jute. Ames Harris Neville Co. No. 100,994; Nov. 3; Gaz. vol. 208; p. 334.

Alphabetical list of trade-marks—Continued.

- Bags, Ladies' hand-. Morris, Mann & Reilly. No. 98,802; Aug. 4; Gaz. vol. 205; p. 299.
- Bags, Popcorn-. Holcomb & Hoke Mfg. Co. No. 95,621; Mar. 3; Gaz. vol. 200; p. 274.
- Bait, Artificial. Immell Bait Co. No. 98,390; July 14; Gaz. vol. 204; p. 670.
- Bait, Pork fishing-. F. Lutz. No. 97,989; June 30; Gaz. vol. 203; p. 1550.
- Baking-powder. Goldberg, Bowen & Co. No. 94,812; Jan. 6; Gaz. vol. 198; p. 235.
- Baking-powder. Goldberg, Bowen & Co. No. 94,992; Jan. 20; Gaz. vol. 198; p. 699.
- Baking-powder. E. Metzner Baking Powder Co. No. 95,333; Feb. 10; Gaz. vol. 199; p. 612.
- Baking-powder. The Southern Manufacturing Co. No. 98,206; July 7; Gaz. vol. 204; p. 312.
- Baking-powder. T. Tanaka. No. 100,445; Oct. 20; Gaz. vol. 207; p. 925.
- Baking-powder. Vittucci Importing Co. No. 99,520; Sept. 1; Gaz. vol. 206; p. 310.
- Baking-powder. The Woolson Spice Company. No. 100,056; Sept. 29; Gaz. vol. 206; p. 1434.
- Baking powder and soda. Nave-McCord Mercantile Co. No. 97,348; June 2; Gaz. vol. 203; p. 298.
- Baking powder and soda. Reliance Mfg. Co. No. 100,620; Oct. 20; Gaz. vol. 207; p. 930.
- Baking-powder, bluing, and ammonia. The Fitts Manufacturing Company. No. 96,659; Apr. 28; Gaz. vol. 201; p. 1214.
- Baking-powder, cream of tartar, salt, and bicarbonate of soda. Haas-Lieber Grocery Company. No. 94,993; Jan. 20; Gaz. vol. 198; p. 699.
- Balls. Oliver's Sporting Goods House. No. 97,267; May 26; Gaz. vol. 202; p. 1255.
- Balls, mitts, base-ball, batting, and sporting gloves, Base-. Bigelow & Dowse Company. No. 99,419; Sept. 1; Gaz. vol. 206; p. 307.
- Balls, Rubber and gutta-percha. The Santo Rubber Co. Nos. 100,427-8; Oct. 20; Gaz. vol. 207; p. 924.
- Balls, Rubber and gutta-percha. The Santo Rubber Co. No. 100,725; Oct. 20; Gaz. vol. 207; p. 933.
- Balm, Analgesic. Sek-Rub Company. No. 96,463; Apr. 21; Gaz. vol. 201; p. 897.
- Balm, Foot-. J. L. Wiley. No. 95,274; Feb. 3; Gaz. vol. 199; p. 304.
- Bandages. E. Bender. No. 100,947; Nov. 3; Gaz. vol. 208; p. 333.
- Bandages, belts, surgical pads and stockings, &c. Earle & Lyon. No. 99,447; Sept. 1; Gaz. vol. 206; p. 308.
- Bandages, Headache-. Wilford Hall Laboratories. No. 100,322; Oct. 20; Gaz. vol. 207; p. 921.
- Barrels, boxes, and lockers. Lyon Metallic Manufacturing Company. No. 99,326; Aug. 25; Gaz. vol. 205; p. 1319.
- Base-ball gloves and mitts. A. J. Reach Company. No. 97,275; May 26; Gaz. vol. 202; p. 1255.
- Baskets, Paper or fiber. Rochester Carrier Co. No. 99,173; Aug. 18; Gaz. vol. 205; p. 1018.
- Baskets woven of palm-leaves. B. M. Chester. No. 94,801; Jan. 6; Gaz. vol. 198; p. 235.
- Bath and toilet novelties. H. P. Rindskopf. No. 97,559; June 9; Gaz. vol. 203; p. 598.
- Bath-brick, shoe-black, soaps, and polishes. C. C. Truax & Company. No. 97,913; June 23; Gaz. vol. 203; p. 1258.
- Bath preparations, Medicinal. F. Fellenberg. No. 99,963; Sept. 29; Gaz. vol. 206; p. 1432.
- Bath-tablets, Perfumed antiseptic. The Reese Co. No. 101,208; Nov. 17; Gaz. vol. 208; p. 981.
- Bath-tubs, lavatories, sinks, plumbing-traps, &c. N. O. Nelson Manufacturing Company. No. 96,320; Apr. 14; Gaz. vol. 201; p. 566.
- Bath-tubs, washstands, bowls, &c. Improved Sanitary Fixture Company. No. 100,554; Oct. 20; Gaz. vol. 207; p. 928.
- Bathing-suits. O. Carrabine. No. 100,767; Oct. 27; Gaz. vol. 207; p. 1242.
- Batteries, Dry. Manhattan Electrical Supply Co. No. 96,313; Apr. 14; Gaz. vol. 201; p. 566.
- Batteries, Dry-cell. Commercial Electrical Supply Co. No. 97,679; June 16; Gaz. vol. 203; p. 921.
- Batteries, Electric. National Carbon Company. No. 99,166; Aug. 18; Gaz. vol. 205; p. 1017.
- Batteries, Electric. National Carbon Company. No. 100,871; Oct. 27; Gaz. vol. 207; p. 1245.
- Batteries, Secondary. Helios Manufacturing Company. No. 98,388; July 14; Gaz. vol. 204; p. 670.
- Batteries, Storage. Cook Railway Signal Company. No. 95,066; Feb. 3; Gaz. vol. 199; p. 298.
- Batteries, Storage. Firm of G. Hagen. No. 97,767; June 16; Gaz. vol. 203; p. 924.
- Batteries, Storage. Karola Electric Laboratories Co. No. 100,984; Nov. 3; Gaz. vol. 208; p. 334.
- Battery-cells, Dry. Universal Carbon Co. No. 95,180; Feb. 3; Gaz. vol. 199; p. 301.
- Beans, Dry. Kendrick Warehouse & Milling Co. No. 95,635; Mar. 3; Gaz. vol. 200; p. 274.
- Bearing-bronze. Oregon Brass Works. No. 101,316; Nov. 24; Gaz. vol. 208; p. 1352.
- Bearings and parts thereof, Roller-. Hyatt Roller Bearing Co. No. 95,625; Mar. 3; Gaz. vol. 200; p. 274.
- Bearings, Babbitt-metal. Moody & Bobb. No. 97,876; June 23; Gaz. vol. 203; p. 1257.
- Bearings, Ball-. J. Schaeffers. No. 97,276; May 26; Gaz. vol. 202; p. 1255.
- Bearings, Radial ball-. The Hess-Bright Manufacturing Company. No. 97,849; June 23; Gaz. vol. 203; p. 1256.
- Bed-canopies. J. Thompson and Company. No. 98,439; July 14; Gaz. vol. 204; p. 671.
- Bed-springs. Cleveland Wire Spring Co. No. 99,431; Sept. 1; Gaz. vol. 206; p. 307.
- Bed-springs. Fort Pitt Bedding Company. No. 97,692; June 16; Gaz. vol. 203; p. 922.
- Bed-springs. National Bed Spring Co. No. 100,384; Oct. 20; Gaz. vol. 207; p. 923.
- Beds. Hall & Lyon Furniture Company. No. 95,427; Feb. 17; Gaz. vol. 199; p. 934.
- Beds, cots, and hammocks, Folding. Englander Spring Bed Company. No. 100,967; Nov. 3; Gaz. vol. 208; p. 334.
- Beds, Spring-. Francis Karr Company. No. 96,810; May 5; Gaz. vol. 202; p. 310.
- Bedsteads. J. W. Vail. No. 98,441; July 14; Gaz. vol. 204; p. 671.
- Beef-juices and meat extracts. The Bovine Company. No. 97,590; June 16; Gaz. vol. 203; p. 919.
- Beer. Böhmische Pilsner Brauerei Aktien-Gesellschaft in Pilsen. No. 98,741; Aug. 4; Gaz. vol. 205; p. 297.
- Beer. Buffalo Brewing Co. No. 100,764; Oct. 27; Gaz. vol. 207; p. 1241.
- Beer. Capital City Brewing Company. No. 98,360; July 14; Gaz. vol. 204; p. 669.
- Beer. The Central Brewing Company of New York. Nos. 99,845-6; Sept. 22; Gaz. vol. 206; p. 1157.
- Beer. Conrad Seipp Brewing Company. Nos. 98,822-3; Aug. 4; Gaz. vol. 205; p. 299.
- Beer. Goenner & Co. Nos. 101,481-3; Dec. 15; Gaz. vol. 209; p. 1050.
- Beer. The Gund Brewing Co. No. 96,510; Apr. 21; Gaz. vol. 201; p. 898.
- Beer. G. Heileman Brewing Co. No. 99,098; Aug. 18; Gaz. vol. 205; p. 1015.
- Beer. Ihlers & Bell. No. 100,335; Oct. 20; Gaz. vol. 207; p. 922.
- Beer. Jetter Brewing Company. No. 97,249; May 26; Gaz. vol. 202; p. 1254.
- Beer. The John Eichler Brewing Co. No. 96,261; Apr. 14; Gaz. vol. 201; p. 564.
- Beer. The John Elchler Brg. Co. No. 96,117; Apr. 7; Gaz. vol. 201; p. 262.
- Beer. Keeley Brewing Company. No. 97,703; June 16; Gaz. vol. 203; p. 922.
- Beer. Keeley Brewing Co. No. 97,861; June 23; Gaz. vol. 203; p. 1256.
- Beer. Leisen & Henes Brewing Co. No. 96,973; May 12; Gaz. vol. 202; p. 628.
- Beer. Leisen & Henes Brewing Co. No. 97,336; June 2; Gaz. vol. 203; p. 298.
- Beer. Lone Star Brewing Co. No. 98,407; July 14; Gaz. vol. 204; p. 670.
- Beer. Lone Star Brewing Co. No. 99,228; Aug. 25; Gaz. vol. 205; p. 1316.
- Beer. Mission Brewing Company. No. 98,801; Aug. 4; Gaz. vol. 205; p. 299.
- Beer. P. E. Nölting & Co. No. 100,997; Nov. 3; Gaz. vol. 208; p. 334.
- Beer. Obermeyer & Liebmann. No. 101,409; Dec. 8; Gaz. vol. 209; p. 680.
- Beer. Pittsburgh Brewing Company. No. 95,657; Mar. 3; Gaz. vol. 200; p. 275.
- Beer. Pittsburgh Brewing Company. No. 99,495; Sept. 1; Gaz. vol. 206; p. 309.
- Beer. G. Pschorr. No. 96,334; Apr. 14; Gaz. vol. 201; p. 566.
- Beer. J. E. Rosenfeld. No. 97,356; June 2; Gaz. vol. 203; p. 298.
- Beer. Jacob Ruppert. No. 97,897; June 23; Gaz. vol. 203; p. 1257.
- Beer. A. Schonegg. No. 99,650; Sept. 8; Gaz. vol. 206; p. 586.
- Beer. A. Schreiber Brewing Company. No. 97,728; June 16; Gaz. vol. 203; p. 923.
- Beer. Seattle Brewing and Maltng Co. No. 101,450; Dec. 15; Gaz. vol. 209; p. 1049.
- Beer. Standard Brewing Co. No. 99,659; Sept. 8; Gaz. vol. 206; p. 586.
- Beer. Star Brewing Co. No. 97,568; June 9; Gaz. vol. 203; p. 598.
- Beer. Unionsbrauerei Schüleln & Co. A. G. No. 100,450; Oct. 20; Gaz. vol. 207; p. 925.
- Beer. United States Brewing Co. of Chicago. No. 95,365; Feb. 10; Gaz. vol. 199; p. 613.
- Beer. The Wetterer Brewing Company. Nos. 100,671-2; Oct. 20; Gaz. vol. 207; p. 932.
- Beer, ale, and porter. Pittsburgh Brewing Company. No. 94,827; Jan. 6; Gaz. vol. 198; p. 236.
- Beer, ale, and porter. Pittsburgh Brewing Company. No. 100,025; Sept. 29; Gaz. vol. 206; p. 1433.

- Beer, ale, stout, and malt tonic, Lager-. Milwaukee-Waukesha Brewing Company. No. 95,334; Feb. 10; Gaz. vol. 199; p. 612.
- Beer and ales. The Central Brewing Company of New York. No. 100,953; Nov. 3; Gaz. vol. 208; p. 333.
- Beer and porter. Menominee River Brewing Co. No. 97,547; June 9; Gaz. vol. 203; p. 598.
- Beer, beer poor in alcohol, malt extracts. Firm of G. Pschorr. No. 99,905; Sept. 22; Gaz. vol. 206; p. 1159.
- Beer, Bottled. William J. Lemp Brewing Company. No. 95,120; Feb. 3; Gaz. vol. 199; p. 299.
- Beer, Lager-. Ferdinand Neumer, Inc. No. 97,722; June 16; Gaz. vol. 203; p. 923.
- Beer, Lager-. The Gottlieb Bauernschmidt Straus Brewing Company. No. 100,633; Oct. 20; Gaz. vol. 207; p. 931.
- Beer, Lager-. The Gottlieb Bauernschmidt Straus Brewing Company. No. 100,909; Oct. 27; Gaz. vol. 207; p. 1246.
- Beer-pipe-cleansing apparatus. The Baehr Manufacturing Co. No. 98,463; July 21; Gaz. vol. 204; p. 1005.
- Beer-pipes, Preparation for cleaning. The Baehr Manufacturing Co. No. 96,773; May 5; Gaz. vol. 202; p. 309.
- Beer, soda, &c., waters, and ginger-ale, Weiss. John Graf Company. No. 99,578; Sept. 8; Gaz. vol. 206; p. 584.
- Beer, Sweet. J. J. Wolf. No. 99,925; Sept. 22; Gaz. vol. 206; p. 1159.
- Beet-pulp. The Larrowe Milling Co. No. 96,429; Apr. 21; Gaz. vol. 201; p. 896.
- Belt, Chain. Chain Belt Company. No. 94,883; Jan. 13; Gaz. vol. 198; p. 490.
- Belt-dressing. R. G. Pechin. No. 96,332; Apr. 14; Gaz. vol. 201; p. 566.
- Belt-dressings. L. S. Evans. No. 100,531; Oct. 20; Gaz. vol. 207; p. 928.
- Belt-dressings and polish for silver, brass, &c. Russia Cement Company. No. 95,035; Jan. 27; Gaz. vol. 198; p. 895.
- Belts and belting. R. A. Caird. No. 95,596; Mar. 3; Gaz. vol. 200; p. 273.
- Belts and belting. The National Belting Company. No. 96,819; May 5; Gaz. vol. 202; p. 310.
- Belts and belting, Woven textile. Rossendale-Reddaway Belting & Hose Co. No. 98,569; July 21; Gaz. vol. 204; p. 1008.
- Belts and machine-belting, Driving-. Rossendale-Reddaway Belting & Hose Co. No. 97,442; June 2; Gaz. vol. 203; p. 301.
- Belts and machine-belting, Driving-. Rossendale-Reddaway Belting & Hose Co. No. 97,783; June 16; Gaz. vol. 203; p. 924.
- Belts for personal wear. G. Amann Novelty Company. No. 94,796; Jan. 6; Gaz. vol. 198; p. 235.
- Belts for personal wear. D. Basch. No. 97,030; May 19; Gaz. vol. 202; p. 945.
- Belts for personal wear. The Live Leather Belt Company. No. 96,898; May 5; Gaz. vol. 202; p. 312.
- Belts for personal wear. G. E. Zeltmacher. No. 95,858; Mar. 17; Gaz. vol. 200; p. 854.
- Belts, Garment waist-. Eagle Suspender and Belt Company. No. 101,039; Nov. 10; Gaz. vol. 208; p. 651.
- Belts, girdles, and sashes. Forst Mfg. Co. No. 101,041; Nov. 10; Gaz. vol. 208; p. 651.
- Belts, Power transmission and conveyer. The Continental Supply Company. No. 99,699; Sept. 15; Gaz. vol. 206; p. 869.
- Belting. The Goodyear Tire and Rubber Company. Nos. 97,837-41; June 23; Gaz. vol. 203; p. 1256.
- Belting. The Goodyear Tire and Rubber Company. No. 101,514; Dec. 22; Gaz. vol. 209; p. 1313.
- Belting, cord, and lacing, Leather. J. E. Rhoads & Sons. No. 95,667; Mar. 3; Gaz. vol. 200; p. 275.
- Belting, hose, and tubing. The Mine and Smelter Supply Co. No. 95,131; Feb. 3; Gaz. vol. 199; p. 299.
- Belting, Leather. Alexander Brothers. No. 101,497; Dec. 22; Gaz. vol. 209; p. 1313.
- Belting, Leather. Detroit Oak Belting Co. No. 101,139; Nov. 17; Gaz. vol. 208; p. 979.
- Belting, Leather. W. S. Nott Company. Nos. 96,986-7; May 12; Gaz. vol. 202; p. 628.
- Belting, Leather. Shultz Belting Co. Nos. 95,674-6; Mar. 3; Gaz. vol. 200; p. 275.
- Belting, Machinery. Gibson's Limited. No. 95,091; Feb. 3; Gaz. vol. 199; p. 298.
- Belting, Stitched and woven. E. M. Smith. No. 100,726; Oct. 20; Gaz. vol. 207; p. 933.
- Belting, Woven machine-. The Russell Manufacturing Co. No. 96,720; Apr. 28; Gaz. vol. 201; p. 1216.
- Beverage. Potter, Sloan, O'Donohue Co. No. 97,647; June 16; Gaz. vol. 203; p. 920.
- Beverage, Alcoholic. Duncan Gilmour & Co. No. 101,271; Nov. 24; Gaz. vol. 208; p. 1351.
- Beverage and syrup for making same, Non-alcoholic, &c. J. C. O'Dell. No. 100,221; Oct. 13; Gaz. vol. 207; p. 606.
- Beverage and syrup for making same, Non-intoxicating carbonated. Chero-Cola Co. No. 94,884; Jan. 13; Gaz. vol. 198; p. 490.
- Beverage and syrup, Non-alcoholic carbonated. M. Q. Gassaway. No. 99,092; Aug. 18; Gaz. vol. 205; p. 1015.
- Beverage and syrup, Non-alcoholic carbonated. J. C. O'Dell. No. 99,353; Aug. 25; Gaz. vol. 205; p. 1320.
- Beverage and syrup, Non-intoxicating carbonated. O'Halloran & Bishop. No. 99,490; Sept. 1; Gaz. vol. 206; p. 309.
- Beverage, Carbonated non-alcoholic. F. Hoffmann & Sons. No. 95,320; Feb. 10; Gaz. vol. 199; p. 612.
- Beverage, Carbonated non-alcoholic hop. Rock Island Brewing Co. No. 101,532; Dec. 22; Gaz. vol. 209; p. 1314.
- Beverage, Concentrated non-alcoholic summer. Chas. Jacquinet & Cie. No. 101,395; Dec. 8; Gaz. vol. 209; p. 680.
- Beverage consisting principally of celery and gin. Lieben-thal Bros. & Co. No. 97,256; May 26; Gaz. vol. 202; p. 1254.
- Beverage, Effervescent. C. Sippel. No. 97,282; May 26; Gaz. vol. 202; p. 1255.
- Beverage, Grape tonic. G. W. Steiger. No. 99,367; Aug. 25; Gaz. vol. 205; p. 1320.
- Beverage ingredient, Cocoa confections for use as. Cedar Rapids Candy Company. No. 97,213; May 26; Gaz. vol. 202; p. 1253.
- Beverage made from white-grape juice. The Charles E. Hires Company. No. 97,535; June 9; Gaz. vol. 203; p. 597.
- Beverage, Malt. Reisch Brewing Co. No. 96,183; Apr. 7; Gaz. vol. 201; p. 264.
- Beverage, Non-alcoholic. G. Benedict. No. 94,798; Jan. 6; Gaz. vol. 198; p. 235.
- Beverage, Non-alcoholic. W. L. Bitting. No. 94,869; Jan. 13; Gaz. vol. 198; p. 489.
- Beverage, Non-alcoholic. E. J. W. Keagy. No. 97,860; June 23; Gaz. vol. 203; p. 1256.
- Beverage, Non-alcoholic carbonated. Taylor-Bayne Drug Company. No. 97,791; June 16; Gaz. vol. 203; p. 925.
- Beverage, Non-alcoholic carbonated malt. Rock Island Brewing Co. No. 101,012; Nov. 3; Gaz. vol. 208; p. 335.
- Beverage, Non-intoxicating. C. Stoeger. No. 100,176; Oct. 6; Gaz. vol. 207; p. 296.
- Beverage, Orange-flavored. J. S. Ziegler Company. No. 95,188; Feb. 3; Gaz. vol. 199; p. 301.
- Beverage, Powder for making a laxative tonic. Stewart Food Company. No. 99,915; Sept. 22; Gaz. vol. 206; p. 1159.
- Beverage syrup, Soda-fountain-. Magnus & Lauer. No. 100,000; Sept. 29; Gaz. vol. 206; p. 1433.
- Beverages, Aerated. A. F. Llopert. No. 98,542; July 21; Gaz. vol. 204; p. 1007.
- Beverages and flavoring extracts and syrups, Carbonated. Foote & Jenks. No. 97,761; June 16; Gaz. vol. 203; p. 924.
- Beverages and root-beer, Preparation for making non-alcoholic. L. M. Petterson. No. 95,938; Mar. 24; Gaz. vol. 200; p. 1111.
- Beverages and soda-water syrups. C. King. No. 99,889; Sept. 22; Gaz. vol. 206; p. 1158.
- Beverages and syrups, Non-intoxicating tonic. Friedland Bros. Bottling Works. No. 99,045; Aug. 11; Gaz. vol. 205; p. 659.
- Beverages, Carbonated. C. Eichbaum. No. 95,081; Feb. 3; Gaz. vol. 199; p. 298.
- Beverages, Carbonated. C. Eichbaum. No. 96,953; May 12; Gaz. vol. 202; p. 627.
- Beverages, Certain named non-alcoholic. American Distilled Water Company. No. 98,916; Aug. 11; Gaz. vol. 205; p. 655.
- Beverages, Certain named non-alcoholic. The Attleboro Bottling Company. No. 98,035; June 30; Gaz. vol. 203; p. 1552.
- Beverages, Certain named non-alcoholic. A. Cipolla. No. 98,362; July 14; Gaz. vol. 204; p. 669.
- Beverages, Flavoring-syrup for non-alcoholic. J. Hungerford Smith Co. No. 96,199; Apr. 7; Gaz. vol. 201; p. 264.
- Beverages, Flavoring-syrup for non-alcoholic. J. Hungerford Smith Co. Nos. 97,005-6; May 12; Gaz. vol. 202; p. 629.
- Beverages, Malt. The Joseph Hensler Brewing Company. No. 99,580; Sept. 8; Gaz. vol. 206; p. 584.
- Beverages, Non-alcoholic. Lieben-thal Bros. & Co. No. 99,320; Aug. 25; Gaz. vol. 205; p. 1319.
- Beverages, Non-alcoholic carbonated. The Rahna Company. No. 101,491; Dec. 15; Gaz. vol. 209; p. 1050.
- Beverages, Non-alcoholic carbonated. Saratoga Vichy Spring Co. No. 101,424; Dec. 8; Gaz. vol. 209; p. 681.
- Beverages, Non-alcoholic malt. F. W. Finger. No. 98,378; July 14; Gaz. vol. 204; p. 670.
- Beverages, Non-intoxicating carbonated. A. C. Rosetter. No. 99,907; Sept. 22; Gaz. vol. 206; p. 1159.
- Beverages, Non-intoxicating carbonated tonic. E. Diehl. No. 99,858; Sept. 22; Gaz. vol. 206; p. 1157.
- Beverages, Non-intoxicating carbonated tonic. K. P. Ham. No. 99,047; Aug. 11; Gaz. vol. 205; p. 659.
- Beverages, Non-intoxicating tonic. E. Diehl. Nos. 98,936-7; Aug. 11; Gaz. vol. 205; p. 655.
- Beverage, Soda. The Gln-Gera Company. No. 97,835; June 23; Gaz. vol. 203; p. 1256.
- Beverage, Soft-drink. La' Roma Syrup & Bottling Co. No. 97,705; June 16; Gaz. vol. 203; p. 922.

Alphabetical list of trade-marks—Continued.

- Beverages, syrup and flavoring, Non-alcoholic. Snow's Fountains Inc. No. 101,226; Nov. 17; Gaz. vol. 208; p. 982.
- Bibs, faucets, spigots, cocks, and metal valves. T. Savill & Sons. No. 95,565; Feb. 24; Gaz. vol. 199; p. 1240.
- Bicycles. The Charles William Stores, Inc. No. 100,468; Oct. 20; Gaz. vol. 207; p. 926.
- Bicycles. Great Western Mfg. Co. No. 100,804; Oct. 27; Gaz. vol. 207; p. 1243.
- Bicycles, neck-yokes, toy wagons, &c. Hibbard, Spencer, Bartlett & Co. No. 100,329; Oct. 20; Gaz. vol. 207; p. 922.
- Billiard balls and tables. P. Bibeault. No. 96,094; Apr. 7; Gaz. vol. 201; p. 261.
- Billiard-chalk. William A. Spinks & Company. No. 97,907; June 23; Gaz. vol. 203; p. 1258.
- Binders, spring-holders, and ring-books, Current, &c. Chicago Shipping & Receipt Book Co. No. 96,251; Apr. 14; Gaz. vol. 201; p. 564.
- Bird-gravel and sunflower-seeds for seeding purposes. C. C. Truax & Company. No. 97,914; June 23; Gaz. vol. 203; p. 1258.
- Biscuit. Loose-Wiles Biscuit Company. No. 96,592; Apr. 21; Gaz. vol. 201; p. 901.
- Biscuit. Loose-Wiles Biscuit Company. Nos. 97,625-8; June 16; Gaz. vol. 203; p. 920.
- Biscuit. Loose-Wiles Biscuit Company. No. 97,987; June 30; Gaz. vol. 203; p. 1550.
- Biscuit. Loose-Wiles Biscuit Company. No. 99,607; Sept. 8; Gaz. vol. 206; p. 585.
- Biscuit. Loose-Wiles Biscuit Company. No. 99,762; Sept. 15; Gaz. vol. 206; p. 871.
- Biscuit. Loose-Wiles Biscuit Company. No. 100,852; Oct. 27; Gaz. vol. 207; p. 1244.
- Biscuit. National Biscuit Company. Nos. 95,226-8; Feb. 3; Gaz. vol. 199; p. 302.
- Biscuit. National Biscuit Company. No. 95,713; Mar. 3; Gaz. vol. 200; p. 276.
- Biscuit. National Biscuit Company. Nos. 95,924-31; Mar. 24; Gaz. vol. 200; p. 1111.
- Biscuit. National Biscuit Company. Nos. 96,161-72; Apr. 7; Gaz. vol. 201; p. 263.
- Biscuit. National Biscuit Company. No. 96,714; Apr. 28; Gaz. vol. 201; p. 1216.
- Biscuit. National Biscuit Company. No. 96,820; May 5; Gaz. vol. 202; p. 310.
- Biscuit. National Biscuit Company. No. 97,166; May 19; Gaz. vol. 202; p. 949.
- Biscuit. National Biscuit Company. No. 97,636; June 16; Gaz. vol. 203; p. 920.
- Biscuit. National Biscuit Company. Nos. 98,177-82; July 7; Gaz. vol. 204; p. 311.
- Biscuit. National Biscuit Company. No. 98,310; July 7; Gaz. vol. 204; p. 315.
- Biscuit. National Biscuit Company. No. 98,883; Aug. 4; Gaz. vol. 205; p. 301.
- Biscuit. National Biscuit Company. Nos. 99,334-6; Aug. 25; Gaz. vol. 205; p. 1319.
- Biscuit. National Biscuit Company. Nos. 99,614-15; Sept. 8; Gaz. vol. 206; p. 585.
- Biscuit. National Biscuit Company. No. 99,617; Sept. 8; Gaz. vol. 206; p. 585.
- Biscuit. National Biscuit Company. Nos. 100,866-70; Oct. 27; Gaz. vol. 207; pp. 1244-5.
- Biscuit. National Biscuit Company. No. 100,989; Nov. 3; Gaz. vol. 208; p. 334.
- Biscuit. Triplex Biscuit Co. No. 101,549; Dec. 22; Gaz. vol. 209; p. 1314.
- Biscuit and candy. National Biscuit Company. No. 99,616; Sept. 8; Gaz. vol. 206; p. 585.
- Biscuit and sugar wafers. National Biscuit Company. No. 100,990; Nov. 3; Gaz. vol. 208; p. 334.
- Biscuit, Dog-. Molassine Company of America. Nos. 96,817-18; May 5; Gaz. vol. 202; p. 310.
- Biscuit, Health-food. M. C. Rice. No. 94,939; Jan. 13; Gaz. vol. 198; p. 491.
- Biscuit, sugar wafers, and candy. National Biscuit Company. No. 98,884; Aug. 4; Gaz. vol. 205; p. 301.
- Biscuits. Manchester Biscuit Co. No. 98,303; July 7; Gaz. vol. 204; p. 314.
- Biscuits. National Biscuit Company. No. 98,557; July 21; Gaz. vol. 204; p. 1008.
- Biscuits. Peek, Freen and Company. No. 98,003; June 30; Gaz. vol. 203; p. 1551.
- Biscuits. Peek, Freen and Company. No. 100,879; Oct. 27; Gaz. vol. 207; p. 1245.
- Biscuits and crackers, Bran. The Dietetic Food Company. No. 98,262; July 7; Gaz. vol. 204; p. 313.
- Biscuits and pastry. Robert A. Johnston Co. No. 98,397; July 14; Gaz. vol. 204; p. 670.
- Biscuits, cakes, and cookies. Loose-Wiles Biscuit Company. Nos. 95,449-51; Feb. 17; Gaz. vol. 199; p. 935.
- Biscuits, cakes, and cookies. Loose-Wiles Biscuit Company. No. 98,544; July 21; Gaz. vol. 204; p. 1007.
- Biscuits, Laxative. J. Linhart. No. 100,130; Oct. 6; Gaz. vol. 207; p. 294.
- Bits, spurs, stirrups, and saddlery hardware. August Buermann Manufacturing Co. No. 96,246; Apr. 14; Gaz. vol. 201; p. 564.
- Bits, spurs, stirrups, and saddlery hardware. August Buermann Manufacturing Co. No. 99,421; Sept. 1; Gaz. vol. 206; p. 307.
- Bitters, Liver-. Lash's Bitters Co. No. 95,001; Jan. 20; Gaz. vol. 198; p. 700.
- Bitters, Liver-. Lash's Bitters Co. No. 97,488; June 9; Gaz. vol. 203; p. 596.
- Bitters.—remedy for the kidneys and liver. Laxago Bitters Co. No. 97,063; May 19; Gaz. vol. 202; p. 946.
- Bitters, Tonic. W. R. Reeve. No. 99,119; Aug. 18; Gaz. vol. 205; p. 1016.
- Blacking, Boot and shoe. Société des Cirages Français. No. 99,912; Sept. 22; Gaz. vol. 206; p. 1159.
- Blacking, Shoe-. J. Paradiso. No. 97,646; June 16; Gaz. vol. 203; p. 920.
- Blackings, Shoe-. A. Martorano. No. 95,126; Feb. 3; Gaz. vol. 198; p. 299.
- Blank forms for abstracts of real-estate title. The Estes Title Indexes Company. No. 99,722; Sept. 15; Gaz. vol. 206; p. 870.
- Blankets. Carson, Pirie, Scott & Co. No. 97,320; June 2; Gaz. vol. 203; p. 297.
- Blankets. Firm of A. O. Meyer. No. 99,113; Aug. 18; Gaz. vol. 205; p. 1016.
- Blankets. Wheeler & Motter Mercantile Company. No. 96,376; Apr. 14; Gaz. vol. 201; p. 567.
- Blankets and towels, Bed-. E. H. Robinson Co. No. 95,230; Feb. 3; Gaz. vol. 199; p. 302.
- Bleaching, water-softening, &c., preparation. H. Kohnstamm & Co. No. 100,352; Oct. 20; Gaz. vol. 207; p. 922.
- Blood-purifier. Gridley Medicine Company. No. 101,043; Nov. 10; Gaz. vol. 208; p. 651.
- Blood-restorative. A. Rogers. No. 100,158; Oct. 6; Gaz. vol. 207; p. 295.
- Blouses and dresses. C. Strauss. No. 100,644; Oct. 20; Gaz. vol. 207; p. 931.
- Blouses and waists. Shotwell & Harris. No. 98,430; July 14; Gaz. vol. 204; p. 671.
- Blouses, knickerbockers, bloomers, skirts, hats, &c. Camp Fire Girls. No. 95,740; Mar. 10; Gaz. vol. 200; p. 577.
- Blouses, rompers, shirt-waists, and children's frocks. K. & E. Blouse Makers. No. 98,998; Aug. 11; Gaz. vol. 205; p. 657.
- Blue and laundry articles containing blue. Reckitts (U. S. A.), Ltd. No. 101,207; Nov. 17; Gaz. vol. 208; p. 981.
- Blue, Laundry. The Johnson-Richardson Co. No. 97,479; June 9; Gaz. vol. 203; p. 595.
- Blue, Laundry. M. A. Mitchelson. No. 100,010; Sept. 29; Gaz. vol. 206; p. 1433.
- Bluing and colors, Laundry. B. Heller & Co. No. 98,148; July 7; Gaz. vol. 204; p. 310.
- Bluing, Laundry. Reckitts (U. S. A.). No. 95,014; Jan. 20; Gaz. vol. 198; p. 700.
- Bluing, Laundry. H. M. Spahr. No. 99,657; Sept. 8; Gaz. vol. 206; p. 586.
- Board, Artificial. Flintkote Manufacturing Co. No. 100,792; Oct. 27; Gaz. vol. 207; p. 1242.
- Board, Artificial. Flintkote Manufacturing Co. No. 101,512; Dec. 22; Gaz. vol. 209; p. 1313.
- Boards, sheets, or strips of certain named combinations of materials. Venesta Limited. No. 96,065; Mar. 31; Gaz. vol. 200; p. 1388.
- Boat-oars. Anchor Sawmills Company. Nos. 98,733-5; Aug. 4; Gaz. vol. 205; p. 297.
- Boats, launches, canoes, &c., Row and power. The William R. Burkhard Co. No. 100,951; Nov. 3; Gaz. vol. 208; p. 333.
- Boiler and supply-water sediment freeing compound. M. P. Reinhardt. No. 99,630; Sept. 8; Gaz. vol. 206; p. 586.
- Boiler-cleaner, Carbon. M. Quigley. No. 95,013; Jan. 20; Gaz. vol. 198; p. 700.
- Boiler-cleaning compound. The Hill & Griffith Co. No. 98,521; July 21; Gaz. vol. 204; p. 1007.
- Boiler, &c., cleaning compounds. R. Kelly. No. 101,069; Nov. 10; Gaz. vol. 208; p. 652.
- Boiler compounds, Chemical steam-. Binghamton Boiler Compound Company. No. 95,513; Feb. 24; Gaz. vol. 199; p. 1239.
- Boilers. G. H. Deringer. No. 98,487; July 21; Gaz. vol. 204; p. 1006.
- Boilers. J. S. Hoy. Nos. 101,165-7; Nov. 17; Gaz. vol. 208; p. 980.
- Boilers and hot-water tanks, Hot-water-supply. J. L. Hibbs. No. 101,386; Dec. 8; Gaz. vol. 209; p. 680.
- Boilers and parts, Steam-. J. A. Stevens. No. 100,908; Oct. 27; Gaz. vol. 207; p. 1246.
- Boilers and radiators, Steam and hot-water. Pressed Metal Radiator Company. Nos. 99,731-2; Sept. 15; Gaz. vol. 206; p. 872.
- Boilers, Chemical compound for preserving. The Perolin Company of America. Nos. 98,683-4; July 28; Gaz. vol. 204; p. 1341.
- Boilers, Compound to remove and prevent scale in steam-. H. W. Johns-Manville Co. No. 101,173; Nov. 17; Gaz. vol. 208; p. 980.

- Boilers, furnaces and registers, radiators. Richmond Radiator Company. No. 101,210; Nov. 17; Gaz. vol. 208; p. 981.
- Boilers, House-heating. I. A. Sheppard & Co. No. 101,426; Dec. 8; Gaz. vol. 209; p. 681.
- Bolt-operating machines, pulley-blocks, and hoists, Automatic. The Yale & Towne Manufacturing Co. No. 100,941; Oct. 27; Gaz. vol. 207; p. 1247.
- Bolts, Expansion-. J. F. Booraem. No. 97,810; June 23; Gaz. vol. 203; p. 1255.
- Bolting-cloth. Schweizerische Seidengazefabrik A. G. No. 97,366; June 2; Gaz. vol. 203; p. 299.
- Bonbons, toffees, caramels, &c. Geo. W. Horner and Company. No. 101,164; Nov. 17; Gaz. vol. 208; p. 980.
- Bonnet-wire. Joseph W. Schloss Co. No. 98,702; July 28; Gaz. vol. 204; p. 1341.
- Book, Memorandum-. San Antonio Drug Co. No. 95,354; Feb. 10; Gaz. vol. 199; p. 613.
- Books, Children's. D. Wolf. No. 99,527; Sept. 1; Gaz. vol. 206; p. 310.
- Books for educational purposes, Blank. American Pad & Paper Company. No. 101,088; Nov. 10; Gaz. vol. 208; p. 652.
- Books of fiction. L. C. Page & Company. No. 97,645; June 16; Gaz. vol. 203; p. 920.
- Books of plans for houses and bungalows. United Home Builders Company. No. 100,917; Oct. 27; Gaz. vol. 207; p. 1246.
- Books, pamphlets, and circulars. American Federation of Labor. No. 96,925; May 12; Gaz. vol. 202; p. 627.
- Books, periodicals, prints, and pictures, Printed. S. E. Edwards. No. 96,952; May 12; Gaz. vol. 202; p. 627.
- Books, Printed. Automobile Blue Book Company. No. 100,243; Oct. 20; Gaz. vol. 207; p. 919.
- Books, Printed. Joseph T. Ryerson & Son. No. 95,265; Feb. 3; Gaz. vol. 199; p. 303.
- Books, Printed. F. A. O. Schwarz. No. 96,351; Apr. 14; Gaz. vol. 201; p. 567.
- Books, Sales-. The Shelby Printing Company. No. 95,568; Feb. 24; Gaz. vol. 199; p. 1241.
- Books, Series of. Barse & Hopkins. No. 100,080; Oct. 6; Gaz. vol. 207; p. 293.
- Bookbinding-cloth. The Holliston Mills. No. 94,995; Jan. 20; Gaz. vol. 198; p. 699.
- Boot and shoe heel and sole protectors. E. Hunold. No. 97,538; June 9; Gaz. vol. 203; p. 597.
- Boot and shoe soles. A. C. Lawrence Leather Co. No. 97,489; June 9; Gaz. vol. 203; p. 596.
- Boot, shoe, and leather dressing and polish. J. J. Eckhard. No. 98,757; Aug. 4; Gaz. vol. 205; p. 298.
- Boot-tops, Leather. Pioneer Shoe & Rubber Company. No. 95,941; Mar. 24; Gaz. vol. 200; p. 1111.
- Boots and shoes. The Beacon Falls Rubber Shoe Company. No. 97,805; June 23; Gaz. vol. 203; p. 1255.
- Boots and shoes. C. H. Daniels. No. 95,068; Feb. 3; Gaz. vol. 199; p. 298.
- Boots and shoes. Field Bros. & Gross Company. No. 100,313; Oct. 20; Gaz. vol. 207; p. 921.
- Boots and shoes. Hirschman Shoe Co. No. 95,101; Feb. 3; Gaz. vol. 199; p. 299.
- Boots and shoes. The A. S. Kreider Shoe Co. No. 95,769; Mar. 10; Gaz. vol. 200; p. 578.
- Boots and shoes. A. E. Little & Company. No. 99,323; Aug. 25; Gaz. vol. 205; p. 1319.
- Boots and shoes. A. E. Little & Company. No. 100,571; Oct. 20; Gaz. vol. 207; p. 929.
- Boots and shoes. Selz, Schwab & Co. No. 94,948; Jan. 13; Gaz. vol. 198; p. 492.
- Boots and shoes and boot and shoe soles, Leather. Holland Shoe Co. No. 95,911; Mar. 24; Gaz. vol. 200; p. 1110.
- Boots and shoes, Boys' and men's leather. Neenah Shoe Co. No. 96,903; May 5; Gaz. vol. 202; p. 313.
- Boots and shoes, Certain named machines and utensils for the manufacture of. "Ago"-Lederkitt-Industrie-Gesellschaft mit beschränkter Haftung. No. 97,745; June 16; Gaz. vol. 203; p. 923.
- Boots and shoes, Ladies' leather. W. Henne & Co. No. 97,334; June 2; Gaz. vol. 203; p. 298.
- Boots and shoes, Leather. Bartels & Thelen Company. No. 98,995; Aug. 11; Gaz. vol. 205; p. 657.
- Boots and shoes, Leather. I. Blyn & Sons. No. 98,357; July 14; Gaz. vol. 204; p. 669.
- Boots and shoes, Leather. Blyn Shoe Manufacturing Company. No. 96,241; Apr. 14; Gaz. vol. 201; p. 563.
- Boots and shoes, Leather. Burrow, Jones & Dyer Shoe Co. No. 97,752; June 16; Gaz. vol. 203; p. 924.
- Boots and shoes, Leather. E. W. Burt & Company. No. 100,263; Oct. 20; Gaz. vol. 207; p. 920.
- Boots and shoes, Leather. Chippewa Shoe Manufacturing Company. No. 95,601; Mar. 3; Gaz. vol. 200; p. 273.
- Boots and shoes, Leather. Charles A. Eaton Company. No. 96,260; Apr. 14; Gaz. vol. 201; p. 564.
- Boots and shoes, Leather. The Commonwealth Shoe and Leather Co. No. 95,065; Feb. 3; Gaz. vol. 199; p. 297.
- Boots and shoes, Leather. Emerson Shoe Co. No. 98,649; July 28; Gaz. vol. 204; p. 1340.
- Boots and shoes, Leather. Fitzgerald, Phelps & Fargo Shoe Co. No. 100,536; Oct. 20; Gaz. vol. 207; p. 928.
- Boots and shoes, Leather. Greenberg Miller Co. No. 98,384; July 14; Gaz. vol. 204; p. 670.
- Boots and shoes, Leather. The Krohn-Fechheimer Company. No. 96,307; Apr. 14; Gaz. vol. 201; p. 565.
- Boots and shoes, Leather. F. Mayer Boot & Shoe Co. No. 95,003; Jan. 20; Gaz. vol. 198; p. 700.
- Boots and shoes, Leather. W. H. McElwain Company. Nos. 97,712-14; June 16; Gaz. vol. 203; p. 922.
- Boots and shoes, Leather. The Riley Shoe Manufacturing Company. No. 97,504; June 9; Gaz. vol. 203; p. 596.
- Boots and shoes, Leather. The Riley Shoe Manufacturing Company. No. 98,968; Aug. 11; Gaz. vol. 205; p. 656.
- Boots and shoes, Leather. M. A. Packard Co. No. 95,780; Mar. 10; Gaz. vol. 200; p. 578.
- Boots and shoes, Leather. R. L. Summers. No. 95,362; Feb. 10; Gaz. vol. 199; p. 613.
- Boots and shoes, Leather. The Huiskamp Bros. Co. No. 101,484; Dec. 15; Gaz. vol. 209; p. 1050.
- Boots and shoes, Leather. Geo. D. Witt Shoe Co. No. 100,680; Oct. 20; Gaz. vol. 207; p. 932.
- Boots and shoes, Leather and canvas. Ashby-Crawford Company. No. 97,309; June 2; Gaz. vol. 203; p. 297.
- Boots and shoes, Leather and rubber. A. O. Meyer. No. 99,959; Aug. 11; Gaz. vol. 205; p. 656.
- Boots and shoes, Rubber. United States Rubber Company. No. 95,237; Feb. 3; Gaz. vol. 199; p. 302.
- Boots and shoes, Rubber and leather. Northern Shoe Co. No. 98,413; July 14; Gaz. vol. 204; p. 671.
- Boots, shoes, and slippers. Coes & Young Co. No. 97,041; May 19; Gaz. vol. 202; p. 945.
- Boots, shoes, and slippers. Foss, Packard & Co. No. 99,452; Sept. 1; Gaz. vol. 206; p. 308.
- Boots, shoes, and slippers. Hanan & Son. No. 96,011; Mar. 31; Gaz. vol. 200; p. 1386.
- Boots, shoes, and slippers. P. J. Harney. No. 97,846; June 23; Gaz. vol. 203; p. 1256.
- Boots, shoes, and slippers. J. G. Helfrich. No. 96,289; Apr. 14; Gaz. vol. 201; p. 565.
- Boots, shoes, and slippers. John Kelly, Inc. No. 99,316; Aug. 25; Gaz. vol. 205; p. 1318.
- Boots, shoes, and slippers. T. W. Meredith. No. 97,493; June 9; Gaz. vol. 203; p. 596.
- Boots, shoes, and slippers. Paul Brothers. No. 100,398; Oct. 20; Gaz. vol. 207; p. 924.
- Boots, shoes, and slippers. S. Perelstine. No. 94,928; Jan. 13; Gaz. vol. 198; p. 491.
- Boots, shoes, and slippers. Powell Brothers Shoe Company. No. 98,689; July 28; Gaz. vol. 204; p. 1341.
- Boots, shoes, and slippers. Thomas G. Plant Company. No. 97,273; May 26; Gaz. vol. 202; p. 1255.
- Boots, shoes, and slippers, Leather. C. E. Slater. No. 98,708; July 28; Gaz. vol. 204; p. 1342.
- Boots, shoes, leggings, and gaiters. Somervell Brothers. No. 97,284; May 26; Gaz. vol. 202; p. 1255.
- Boots, shoes, slippers, leggings, and gaiters, Leather. Padmore & Barnes. No. 96,330; Apr. 14; Gaz. vol. 201; p. 566.
- Borax, borax tooth and wound powder, &c. H. Mack. No. 96,150; Apr. 7; Gaz. vol. 201; p. 263.
- Boring bits, Wood-. The Conn. Valley Manufacturing Company. No. 95,603; Mar. 3; Gaz. vol. 200; p. 273.
- Bottle-making machinery and appliances therefor. Arrow Bottlers Company. No. 99,930; Sept. 29; Gaz. vol. 206; p. 1431.
- Bottle stoppers and caps. Plympton Manufacturing Co. No. 95,145; Feb. 3; Gaz. vol. 199; p. 300.
- Bottle-stopples, Metal. J. W. Douglass. No. 98,645; July 28; Gaz. vol. 204; p. 1340.
- Bottle-stopples, Porcelain, &c. J. W. Douglass. No. 98,644; July 28; Gaz. vol. 204; p. 1340.
- Bottle washing and rinsing machines. Universal Bottle Washer Co. No. 96,756; Apr. 28; Gaz. vol. 201; p. 1217.
- Bottles, Aluminum hot-water. Geo. Borgfeldt & Co. No. 98,742; Aug. 4; Gaz. vol. 205; p. 297.
- Bottles and carafes and receptacles for lunch outfits, Vacuum. F. H. Decker. No. 96,947; May 12; Gaz. vol. 202; p. 627.
- Bottles, Glass. Chicago Heights Bottle Co. No. 97,822; June 23; Gaz. vol. 203; p. 1255.
- Bottles, Glass. Koehler & Hinrichs. No. 96,688; Apr. 28; Gaz. vol. 201; p. 1215.
- Box-fasteners. J. Kurz. No. 96,426; Apr. 21; Gaz. vol. 201; p. 896.
- Box-shooks. O. S. Richards, Inc. No. 100,414; Oct. 20; Gaz. vol. 207; p. 924.
- Boxes. Tywacana Farms Poultry Company. No. 97,575; June 9; Gaz. vol. 203; p. 598.
- Boxes, Metal. M. Dickinson. No. 96,115; Apr. 7; Gaz. vol. 201; p. 262.
- Bracelets, Watch-. The Mealy Manufacturing Company. No. 100,005; Sept. 29; Gaz. vol. 206; p. 1433.
- Braces and suspenders, Shoulder-. P. Bailly & Cie. Nos. 96,855-7; May 5; Gaz. vol. 202; p. 311.
- Braces, garters, and belts. H. Bruckner. No. 95,053; Feb. 3; Gaz. vol. 199; p. 297.
- Braids. Strauss Bros. & Co. No. 100,645; Oct. 20; Gaz. vol. 207; p. 931.
- Braids and edgings. Strauss Bros. & Co. No. 96,363; Apr. 14; Gaz. vol. 201; p. 567.

Alphabetical list of trade-marks—Continued.

- Braids and passementerie. Dollfus-Mieg & Cie. Société anonyme. Nos. 100,525-6; Oct. 20; Gaz. vol. 207; p. 927.
- Brake-band lining. Essex Rubber Company. No. 99,147; Aug. 18; Gaz. vol. 205; p. 1017.
- Brake-lining. The Royal Equipment Company. No. 97,443; June 2; Gaz. vol. 203; p. 301.
- Brake lining. Machinery-. H. W. Johns-Manville Co. No. 95,633; Mar. 3; Gaz. vol. 200; p. 274.
- Brake-linings and clutch-facings. Standard Woven Fabric Company. No. 99,184; Aug. 18; Gaz. vol. 205; p. 1018.
- Bran. Wheat-. Gaffney Brothers. No. 95,422; Feb. 17; Gaz. vol. 199; p. 934.
- Brandies and liquors. A. Morales Márquez. No. 95,835; Mar. 17; Gaz. vol. 200; p. 853.
- Brandy. J. Balluteaud. No. 100,245; Oct. 20; Gaz. vol. 207; p. 919.
- Brandy. Gautier Frères. Nos. 96,125-6; Apr. 7; Gaz. vol. 201; p. 262.
- Brandy. B. Kasproicz. No. 96,682; Apr. 28; Gaz. vol. 201; p. 1215.
- Brandy. B. Kasproicz. No. 100,985; Nov. 3; Gaz. vol. 208; p. 334.
- Brandy. Roullet & Cie. No. 101,493; Dec. 15; Gaz. vol. 209; p. 1050.
- Brandy. A. D. Shaw & Co. No. 97,280; May 26; Gaz. vol. 202; p. 1255.
- Brandy. A. D. Shaw & Co. No. 99,909; Sept. 22; Gaz. vol. 206; p. 1159.
- Brandy. Alex. D. Shaw & Co. No. 97,565; June 9; Gaz. vol. 203; p. 598.
- Brandy. The Theobald and Son Co. No. 95,175; Feb. 3; Gaz. vol. 199; p. 301.
- Brandy, Cognac. M. Margulis. No. 97,339; June 2; Gaz. vol. 203; p. 298.
- Brandy, Juniper. The Ohio Brandy Distilling Company. No. 100,602; Oct. 20; Gaz. vol. 207; p. 930.
- Brandy, Raisin. M. Margulis. No. 97,338; June 2; Gaz. vol. 203; p. 298.
- Brandy, whisky, and cognac. A. J. Van Exem. No. 97,295; May 26; Gaz. vol. 202; p. 1256.
- Brass and metal polishers. Kettler Brass Mfg. Co. No. 97,426; June 2; Gaz. vol. 203; p. 300.
- Brass, copper, &c., Flux for tinning. C. Ammen. No. 96,852; May 5; Gaz. vol. 202; p. 311.
- Brass, copper, gold, and silver. A. Levy. No. 99,606; Sept. 8; Gaz. vol. 206; p. 585.
- Bread. Atlas Bread Factory. No. 98,461; July 21; Gaz. vol. 204; p. 1005.
- Bread. The Baker Bread Company. Nos. 101,030-1; Nov. 10; Gaz. vol. 208; p. 651.
- Bread. The Baker Bread Company. No. 101,557; Dec. 29; Gaz. vol. 209; p. 1687.
- Bread. C. O. Boggs. No. 99,541; Sept. 8; Gaz. vol. 206; p. 583.
- Bread. E. R. Braun. No. 99,544; Sept. 8; Gaz. vol. 206; p. 583.
- Bread. N. E. Byers. No. 99,687; Sept. 15; Gaz. vol. 206; p. 869.
- Bread. Des Moines Bakery Company. No. 96,113; Apr. 7; Gaz. vol. 201; p. 262.
- Bread. J. A. Drayer. No. 95,609; Mar. 3; Gaz. vol. 200; p. 273.
- Bread. D. Harrison. No. 97,051; May 19; Gaz. vol. 202; p. 945.
- Bread. C. Herendeen. No. 97,616; June 16; Gaz. vol. 203; p. 920.
- Bread. Holmes & Son. No. 100,822; Oct. 27; Gaz. vol. 207; p. 1243.
- Bread. The Home Baking Company. No. 94,909; Jan. 13; Gaz. vol. 198; p. 490.
- Bread. The Independent Grocers Associated Baking Company. No. 101,394; Dec. 8; Gaz. vol. 209; p. 680.
- Bread. John English Baking Co. No. 101,510; Dec. 22; Gaz. vol. 209; p. 1313.
- Bread. J. E. Mueller. No. 101,079; Nov. 10; Gaz. vol. 208; p. 652.
- Bread. J. P. Murray. No. 99,232; Aug. 25; Gaz. vol. 205; p. 1316.
- Bread. Nature Cereal Company. No. 101,525; Dec. 22; Gaz. vol. 209; p. 1313.
- Bread. Reussow & Troy. No. 100,621; Oct. 20; Gaz. vol. 207; p. 930.
- Bread. Rochester Baking Co. No. 101,211; Nov. 17; Gaz. vol. 208; p. 981.
- Bread. J. G. Schuerger. No. 97,000; May 12; Gaz. vol. 202; p. 629.
- Bread. Schulze Baking Company. No. 99,405; Aug. 25; Gaz. vol. 205; p. 1321.
- Bread. Schulze Baking Company. Nos. 99,651-2; Sept. 8; Gaz. vol. 206; p. 586.
- Bread. Schulze Baking Company. No. 99,798; Sept. 15; Gaz. vol. 206; p. 872.
- Bread. G. Smith. No. 95,235; Feb. 3; Gaz. vol. 199; p. 302.
- Bread. South Bend Bread Co. No. 100,226; Oct. 13; Gaz. vol. 207; p. 606.
- Bread. C. A. Thimsen. No. 97,186; May 19; Gaz. vol. 202; p. 949.
- Bread. F. Tilney. No. 98,903; Aug. 4; Gaz. vol. 205; p. 302.
- Bread. A. Tutter. No. 96,613; Apr. 21; Gaz. vol. 201; p. 901.
- Bread. Williams Baking Company. No. 99,828; Sept. 15; Gaz. vol. 206; p. 873.
- Bread. Young & Swain Baking Co. No. 95,695; Mar. 3; Gaz. vol. 200; p. 276.
- Bread and bread-sticks. The Dietetic Food Company. No. 98,261; July 7; Gaz. vol. 204; p. 313.
- Bread and cake receptacles. The Schaffer Tinware Manufacturing Company. No. 100,432; Oct. 20; Gaz. vol. 207; p. 925.
- Bread and zwieback. S. Gluck. No. 96,128; Apr. 7; Gaz. vol. 201; p. 262.
- Bread, biscuit, cake, cracker meal and chips. G. F. Jefferson. No. 96,968; May 12; Gaz. vol. 202; p. 628.
- Bread, biscuits, and flour, Whole-wheat. L. J. Schumaker. No. 95,231; Feb. 3; Gaz. vol. 199; p. 302.
- Bread, cake, doughnuts, and cookies. American Baking Company. No. 97,108; May 19; Gaz. vol. 202; p. 947.
- Bread, cake, doughnuts, and cookies. American Baking Company. No. 97,933; June 30; Gaz. vol. 203; p. 1549.
- Bread, cookies, cakes, pies, &c. Limle & Company. No. 100,570; Oct. 20; Gaz. vol. 207; p. 929.
- Bread, Entire-wheat. A. L. Frost. No. 100,202; Oct. 13; Gaz. vol. 207; p. 605.
- Bread, Honey and rye-flour. C. J. Dierckx. No. 100,776; Oct. 27; Gaz. vol. 207; p. 1242.
- Bread, Wheat-. Worcester Baking Co. No. 100,737; Oct. 20; Gaz. vol. 207; p. 934.
- Brick. E. L. Cook. No. 99,433; Sept. 1; Gaz. vol. 206; p. 307.
- Brick. Farr Brick Company. No. 100,533; Oct. 20; Gaz. vol. 207; p. 928.
- Brick. Hydraulic-Press Brick Co. No. 97,856; June 23; Gaz. vol. 203; p. 1256.
- Bricks. Dover Fire Brick Company. No. 99,292; Aug. 25; Gaz. vol. 205; p. 1318.
- Bricks. Dover Fire Brick Company. No. 99,445; Sept. 1; Gaz. vol. 206; p. 308.
- Bricks. The Hocking Valley Fire Clay Co. No. 98,389; July 14; Gaz. vol. 204; p. 670.
- Bricks and blocks, Building. The Far West Clay Co. No. 100,308; Oct. 20; Gaz. vol. 207; p. 921.
- Bricks and tiles for furnace-arches. Locomotive Arch Brick Corporation. No. 100,572; Oct. 20; Gaz. vol. 207; p. 929.
- Bricks or blocks, Refractory. Norton Company. Nos. 100,877-8; Oct. 27; Gaz. vol. 207; p. 1245.
- Bricks, tile, flue-lining, &c. Chicago Fire Brick Co. No. 99,427; Sept. 1; Gaz. vol. 206; p. 307.
- Bricks, tile pipe, flue-lining, &c. Chicago Fire Brick Co. No. 100,270; Oct. 20; Gaz. vol. 207; p. 920.
- Bridges and like structures, Certain named. Deutsche Maschinenfabrik Aktien Gesellschaft. No. 99,145; Aug. 18; Gaz. vol. 205; p. 1017.
- Bridges, girders, and structural steelwork, Steel. Virginia Bridge and Iron Company. No. 100,456; Oct. 20; Gaz. vol. 207; p. 925.
- Bristles, horsehair, fibers, animal and artificial hairs. F. H. Cone. No. 99,432; Sept. 1; Gaz. vol. 206; p. 307.
- Bristol-board. Geo. W. Wheelwright Paper Company. No. 95,184; Feb. 3; Gaz. vol. 199; p. 301.
- Brooms. Klauber Wangenheim Co. No. 96,687; Apr. 28; Gaz. vol. 201; p. 1215.
- Brooms. Plattsburg Broom Co. No. 99,171; Aug. 18; Gaz. vol. 205; p. 1018.
- Brooms, brushes, and dusters. D. D. Felton Brush Co. No. 100,311; Oct. 20; Gaz. vol. 207; p. 921.
- Brooms, brushes, and mops. C. C. Truax & Company. No. 97,574; June 9; Gaz. vol. 203; p. 598.
- Brushes. Etablissements Ch. Looen Societe Anonyme. No. 96,797; May 5; Gaz. vol. 202; p. 309.
- Brushes. Hibbard, Spencer, Bartlett & Co. No. 99,152; Aug. 18; Gaz. vol. 205; p. 1017.
- Brushes. Kip Brush Company. No. 98,061; June 30; Gaz. vol. 203; p. 1552.
- Brushes. The Manufacturers Brush Company. No. 99,162; Aug. 18; Gaz. vol. 205; p. 1017.
- Brushes. W. H. Sheets, Jr., & Co. No. 101,425; Dec. 8; Gaz. vol. 209; p. 681.
- Brushes. Tilden-Thurber Co. No. 94,839; Jan. 6; Gaz. vol. 198; p. 236.
- Brushes. United Brush Manufactories. No. 94,841; Jan. 6; Gaz. vol. 198; p. 236.
- Brushes. United Brush Manufactories. No. 94,962; Jan. 13; Gaz. vol. 198; p. 492.
- Brushes and brooms, Certain named. A. F. Conery Company. No. 100,279; Oct. 20; Gaz. vol. 207; p. 920.
- Brushes, Bath, bottle, glass, house-cleaning, and dairy. G. S. Leiner & Co. No. 98,405; July 14; Gaz. vol. 204; p. 670.
- Brushes, Bottle-. G. S. Leiner & Co. No. 98,404; July 14; Gaz. vol. 204; p. 670.
- Brushes, dusters, and mops. Silver-Chamberlin Co. No. 96,725; Apr. 28; Gaz. vol. 201; p. 1216.
- Brushes, dusters, and mops, Scouring and cleaning. A. C. Fuller. No. 95,537; Feb. 24; Gaz. vol. 199; p. 1240.

Alphabetical list of trade-marks—Continued.

- Brushes, Hair, tooth, and nail. Geo. Borgfeldt & Co. No. 100,256; Oct. 20; Gaz. vol. 207; p. 919.
- Brushes, Hair, tooth, nail, and eyebrow. H. Heidner. No. 100,327; Oct. 20; Gaz. vol. 207; p. 921.
- Brushes, Military hair-. Geo. Borgfeldt & Co. No. 100,254; Oct. 20; Gaz. vol. 207; p. 919.
- Brushes, Nail-. C. J. Bailey. No. 95,286; Feb. 10; Gaz. vol. 199; p. 611.
- Brushes, Painters'. Acme White Lead & Color Works. No. 94,847; Jan. 13; Gaz. vol. 198; p. 489.
- Brushes, Pyroxylin hair-. Geo. Borgfeldt & Co. No. 95,293; Feb. 10; Gaz. vol. 199; p. 611.
- Brushes, Shaving-. Kampfe Bros. No. 94,910; Jan. 13; Gaz. vol. 198; p. 491.
- Brushes, Toilet-. The Archery Co. No. 95,862; Mar. 24; Gaz. vol. 200; p. 1109.
- Brushes, Tooth-. H. Barnes. No. 95,864; Mar. 24; Gaz. vol. 200; p. 1109.
- Brushes, Tooth-. A. C. Booth. No. 99,139; Aug. 18; Gaz. vol. 205; p. 1017.
- Brushes, Tooth-. Florence Manufacturing Company. No. 96,800; May 5; Gaz. vol. 202; p. 310.
- Brushes, Tooth-. Florence Manufacturing Company. No. 100,316; Oct. 20; Gaz. vol. 207; p. 921.
- Brushes, Tooth-. C. W. Hutchings. No. 97,329; June 2; Gaz. vol. 203; p. 297.
- Brushes, Tooth-. J. J. Sarrazin. No. 95,016; Jan. 20; Gaz. vol. 198; p. 700.
- Brushes, Wall, scrubbing, and whitewash. W. H. Sheets, Jr., & Co. No. 101,536; Dec. 22; Gaz. vol. 209; p. 1314.
- Buchu and gin compound. Rothschild Bros. No. 100,625; Oct. 20; Gaz. vol. 207; p. 930.
- Buckets and water and dinner pails. The Enterprise Enamel Co. No. 95,895; Mar. 24; Gaz. vol. 200; p. 1110.
- Buckets, cans, and tubs. L. R. Steel. No. 95,173; Feb. 3; Gaz. vol. 199; p. 301.
- Buffing and polishing compound. The Hill & Griffith Co. No. 99,100; Aug. 18; Gaz. vol. 205; p. 1015.
- Buggies, carriages, spring-wagons, automobiles, &c. L. Burg Carriage Company. No. 95,518; Feb. 24; Gaz. vol. 199; p. 1239.
- Building blocks and tiles, Terra-cotta hollow. National Fire Proofing Company. No. 99,337; Aug. 25; Gaz. vol. 205; p. 1319.
- Building material. Hoquiam Lumber & Shingle Company. No. 99,465; Sept. 1; Gaz. vol. 206; p. 308.
- Building plans and specifications and booklets. T. L. Condron. No. 96,789; May 5; Gaz. vol. 202; p. 309.
- Bullets. Union Metallic Cartridge Company. No. 97,576; June 9; Gaz. vol. 203; p. 598.
- Burial caskets, and vaults, Composition or artificial stone. Cement Casket Mfg. Co. No. 100,268; Oct. 20; Gaz. vol. 207; p. 920.
- Burners, Oil-. D. McKee. No. 96,815; May 5; Gaz. vol. 202; p. 310.
- Business-forms, menus, brochures, booklets, &c. C. V. Ekroth. No. 95,610; Mar. 3; Gaz. vol. 200; p. 273.
- Bust-supporters and dress-shields, Combination. Perham & Morsbach Company. No. 97,556; June 9; Gaz. vol. 203; p. 598.
- Butter. Albuquerque Creamery. No. 98,613; July 28; Gaz. vol. 204; p. 1339.
- Butter. Consolidated Grocery Company. No. 100,770; Oct. 27; Gaz. vol. 207; p. 1242.
- Butter. H. Ford. No. 99,870; Sept. 22; Gaz. vol. 206; p. 1158.
- Butter. S. S. Lard. No. 98,877; Aug. 4; Gaz. vol. 205; p. 301.
- Butter. The Page Dairy Company. No. 96,825; May 5; Gaz. vol. 202; p. 310.
- Butter. F. H. Stanley. No. 100,040; Sept. 29; Gaz. vol. 206; p. 1434.
- Butter and butter compounds and substitutes. V. Lopez & Company. No. 99,057; Aug. 11; Gaz. vol. 205; p. 659.
- Butter and cheese. The Andrew Rohan Co. No. 97,835; June 30; Gaz. vol. 203; p. 1549.
- Butter and eggs. H. von Glahn. No. 95,724; Mar. 3; Gaz. vol. 200; p. 277.
- Butter and eggs. Marsh & Marsh. No. 100,716; Oct. 20; Gaz. vol. 207; p. 933.
- Butter, cheese, eggs, and poultry. Geo. A. Hormel & Co. No. 101,517; Dec. 22; Gaz. vol. 209; p. 1313.
- Butter, eggs, poultry, tea, coffee, and spices. Service Stores Co. No. 94,949; Jan. 13; Gaz. vol. 198; p. 492.
- Butter, salt-brine, and corn-syrup compound. V. Lopez & Company. No. 100,132; Oct. 6; Gaz. vol. 207; p. 294.
- Butterin. Ammon & Person. No. 96,384; Apr. 21; Gaz. vol. 201; p. 895.
- Buttons. B. Blumenthal & Co. No. 100,253; Oct. 20; Gaz. vol. 207; p. 919.
- Buttons. Morley Button Manufacturing Company. No. 97,719; June 16; Gaz. vol. 203; p. 922.
- Buttons and fringings. F. L. Majer. No. 94,919; Jan. 13; Gaz. vol. 198; p. 491.
- Buttons, Snap-. Waldes & Co. Nos. 98,442-50; July 14; Gaz. vol. 204; pp. 671-2.
- Buttons, Snap-. Waldes & Co. No. 100,459; Oct. 20; Gaz. vol. 207; p. 925.
- Buttons, Snap-. Waldes & Co. Nos. 100,661-3; Oct. 20; Gaz. vol. 207; p. 931.
- Buttons, Snap-. Waldes & Co. Nos. 101,604-9; Dec. 29; Gaz. vol. 209; p. 1688.
- Buttons, studs, vest-buttons, and cuff-links, Cuff-. Krem-entz & Co. No. 99,055; Aug. 11; Gaz. vol. 205; p. 659.
- Buttons to shoes, Machinery for constructing machines for attaching. H. J. MacDonald. No. 99,328; Aug. 25; Gaz. vol. 205; p. 1319.
- Cabinets, Food-. L. T. Schuberth. No. 98,571; July 21; Gaz. vol. 204; p. 1008.
- Cable-clamps. Diamond Expansion Bolt Co. No. 96,114; Apr. 7; Gaz. vol. 201; p. 262.
- Cake. W. A. La Bontee. No. 99,601; Sept. 8; Gaz. vol. 206; p. 585.
- Cake, Fruit. Collin Street Bakery. No. 100,197; Oct. 13; Gaz. vol. 207; p. 605.
- Cake mixtures. Allmade Bakeries. No. 100,740; Oct. 27; Gaz. vol. 207; p. 1241.
- Cake, Preparation for making. The Cabell Company. No. 96,397; Apr. 21; Gaz. vol. 201; p. 895.
- Cakes. A. Barlet. No. 98,621; July 28; Gaz. vol. 204; p. 1339.
- Cakes. Brown Cracker & Candy Co. No. 100,762; Oct. 27; Gaz. vol. 207; p. 1241.
- Cakes. Loose-Wiles Biscuit Company. No. 100,853; Oct. 27; Gaz. vol. 207; p. 1244.
- Cakes, Chocolate-covered. Loose-Wiles Biscuit Company. No. 99,996; Sept. 29; Gaz. vol. 206; p. 1433.
- Cakes, Fruit. Peter Kern Company. No. 97,621; June 16; Gaz. vol. 203; p. 920.
- Cakes or cookies. Loose-Wiles Biscuit Company. No. 97,257; May 26; Gaz. vol. 202; p. 1254.
- Cakes, wafers, and biscuits. Bremner Bros. No. 95,594; Mar. 3; Gaz. vol. 200; p. 273.
- Calcimine. The La Salle Varnish Co. No. 99,474; Sept. 1; Gaz. vol. 206; p. 308.
- Calcimine or water-paint. M. E. Fox & Co. No. 94,899; Jan. 13; Gaz. vol. 198; p. 490.
- Calcimine or water-paints. M. E. Fox & Co. No. 96,005; Mar. 31; Gaz. vol. 200; p. 1386.
- Calcimine or water-paint. M. E. Fox & Co. No. 101,278; Nov. 24; Gaz. vol. 208; p. 1351.
- Calclmines and water-paints. M. E. Fox & Co. No. 99,453; Sept. 1; Gaz. vol. 206; p. 308.
- Calcium carbide. W. R. Grace & Company. No. 97,474; June 9; Gaz. vol. 203; p. 595.
- Calcium chlorid. Carbondale Calcium Co. No. 99,383; Aug. 25; Gaz. vol. 205; p. 1321.
- Cambric, nainsook, lawn-cloth, and muslins. Carson, Pirie, Scott & Co. No. 95,397; Feb. 17; Gaz. vol. 199; p. 935.
- Cameras. Levy-Roth G. m. b. H. No. 100,987; Nov. 3; Gaz. vol. 208; p. 334.
- Cameras, shutters, lamps, and films. Ansco Company. No. 98,456; July 21; Gaz. vol. 204; p. 1005.
- Candies. Advance Novelty Candy Mfg. Co. No. 95,191; Feb. 3; Gaz. vol. 199; p. 301.
- Candies. B. Allegretti. No. 97,584; June 16; Gaz. vol. 203; p. 919.
- Candies. American Candy Company. No. 96,850; May 5; Gaz. vol. 202; p. 311.
- Candies. W. Brownley. No. 99,276; Aug. 25; Gaz. vol. 205; p. 1317.
- Candies. E. C. Duggan. No. 97,959; June 30; Gaz. vol. 203; p. 1549.
- Candies. F. Glass. No. 99,972; Sept. 29; Gaz. vol. 206; p. 1432.
- Candies. The Golden Pheasant. No. 99,299; Aug. 25; Gaz. vol. 205; p. 1318.
- Candies. H. Heide. No. 97,614; June 16; Gaz. vol. 203; p. 919.
- Candies. A. S. Hoyt. No. 97,977; June 30; Gaz. vol. 203; p. 1550.
- Candies. F. X. Kuchler & Son. No. 99,056; Aug. 11; Gaz. vol. 205; p. 659.
- Candies. Lovell & Covel Company. Nos. 99,763-5; Sept. 15; Gaz. vol. 206; p. 871.
- Candies. J. Mendell. No. 96,816; May 5; Gaz. vol. 202; p. 310.
- Candies. The National Candy Company. No. 99,772; Sept. 15; Gaz. vol. 206; p. 871.
- Candies. New York and London Drug Co. No. 97,638; June 16; Gaz. vol. 203; p. 920.
- Candies. W. P. O'Neil. No. 98,000; June 30; Gaz. vol. 203; p. 1551.
- Candies. Shelby Candy & Mfg. Co. No. 99,802; Sept. 15; Gaz. vol. 206; p. 872.
- Candies. United Cigar Stores Company. No. 97,657; June 16; Gaz. vol. 203; p. 921.
- Candies. Wallace & Co. No. 95,239; Feb. 3; Gaz. vol. 199; p. 302.
- Candies. The Walter M. Lowney Company. No. 100,854; Oct. 27; Gaz. vol. 207; p. 1244.
- Candies. Weaver, Costello & Company. No. 95,693; Mar. 3; Gaz. vol. 200; p. 276.
- Candies and chocolates. Ballweg & Greenwald. No. 99,936; Sept. 29; Gaz. vol. 206; p. 1431.
- Candies and confections, Chocolate. Novelty Candy Company. No. 97,998; June 30; Gaz. vol. 203; p. 1551.
- Candies and popcorn. C. G. Staples. No. 97,181; May 19; Gaz. vol. 202; p. 949.

Alphabetical list of trade-marks—Continued.

- Candies, cakes, confectionery, &c. The Golden Pheasant. No. 100,204; Oct. 13; Gaz. vol. 207; p. 605.
- Candies, chocolates, and nuts. Powell's. No. 101,528; Dec. 22; Gaz. vol. 209; p. 1314.
- Candy. E. W. Adams. No. 95,190; Feb. 3; Gaz. vol. 199; p. 301.
- Candy. The Aromint Company. No. 96,386; Apr. 21; Gaz. vol. 201; p. 895.
- Candy. D. Auerbach & Sons. No. 100,747; Oct. 27; Gaz. vol. 207; p. 1241.
- Candy. Paul F. Beich Company. No. 95,868; Mar. 24; Gaz. vol. 200; p. 1109.
- Candy. F. W. Bergendahl. No. 96,776; May 5; Gaz. vol. 202; p. 309.
- Candy. Frank E. Block Co. No. 100,083; Oct. 6; Gaz. vol. 207; p. 293.
- Candy. Bowne Manufacturing Company. No. 101,266; Nov. 24; Gaz. vol. 208; p. 1351.
- Candy. Bradley Candy Co. No. 95,700; Mar. 3; Gaz. vol. 200; p. 276.
- Candy. The Coconut Specialty Co. No. 97,599; June 16; Gaz. vol. 203; p. 919.
- Candy. Druggists' Co-operative Association. No. 94,890; Jan. 13; Gaz. vol. 198; p. 490.
- Candy. J. Einzig & Co. No. 99,043; Aug. 11; Gaz. vol. 205; p. 659.
- Candy. The Fair. Nos. 99,723-5; Sept. 15; Gaz. vol. 206; p. 870.
- Candy. W. E. Foster. No. 95,616; Mar. 3; Gaz. vol. 200; p. 274.
- Candy. The Frederick W. Lipps Company of Baltimore City. No. 99,760; Sept. 15; Gaz. vol. 206; p. 871.
- Candy. Fuerst & Kraemer. No. 100,203; Oct. 13; Gaz. vol. 207; p. 605.
- Candy. Greene & Fish Company. No. 97,967; June 30; Gaz. vol. 203; p. 1550.
- Candy. Guth Chocolate Company. No. 98,657; July 28; Gaz. vol. 204; p. 1340.
- Candy. Guth Chocolate Company. Nos. 100,806-13; Oct. 27; Gaz. vol. 207; p. 1243.
- Candy. Harris Woodson Co. No. 97,103; May 19; Gaz. vol. 202; p. 947.
- Candy. Hawley & Hoops. No. 99,737; Sept. 15; Gaz. vol. 206; p. 870.
- Candy. N. Hill. No. 98,520; July 21; Gaz. vol. 204; p. 1007.
- Candy. Hollingsworth Candy Company. No. 96,417; Apr. 21; Gaz. vol. 201; p. 896.
- Candy. E. H. Homer. No. 97,975; June 30; Gaz. vol. 203; p. 1550.
- Candy. Imperial Candy Co. No. 99,216; Aug. 25; Gaz. vol. 205; p. 1315.
- Candy. Imperial Candy Co. No. 99,592; Sept. 8; Gaz. vol. 206; p. 584.
- Candy. Jay Chocolate Company. No. 101,578; Dec. 29; Gaz. vol. 209; p. 1687.
- Candy. Peter Kern Co. No. 97,146; May 19; Gaz. vol. 202; p. 948.
- Candy. Peter Kern Co. No. 97,980; June 30; Gaz. vol. 203; p. 1550.
- Candy. J. E. Leikauf. No. 95,444; Feb. 17; Gaz. vol. 199; p. 935.
- Candy. J. E. Leikauf. No. 96,146; Apr. 7; Gaz. vol. 201; p. 263.
- Candy. Robt. F. Mackenzie Co. No. 97,990; June 30; Gaz. vol. 203; p. 1550.
- Candy. The Robt. F. Mackenzie Co. Nos. 98,674-5; July 28; Gaz. vol. 204; p. 1341.
- Candy. Robt. F. Mackenzie Co. No. 99,608; Sept. 8; Gaz. vol. 206; p. 585.
- Candy. Malt Food Products Co., of Oswego, N. Y. No. 95,453; Feb. 17; Gaz. vol. 199; p. 935.
- Candy. C. J. Markham. No. 95,454; Feb. 17; Gaz. vol. 199; p. 935.
- Candy. Maskey's, Inc. No. 100,579; Oct. 20; Gaz. vol. 207; p. 929.
- Candy. Merchants Candy Co. No. 96,978; May 12; Gaz. vol. 202; p. 628.
- Candy. C. N. Miller. No. 95,225; Feb. 3; Gaz. vol. 199; p. 302.
- Candy. C. N. Miller. No. 97,632; June 16; Gaz. vol. 203; p. 920.
- Candy. Miller-Elmer Mfg. Co. No. 100,007; Sept. 29; Gaz. vol. 206; p. 1433.
- Candy. W. R. Montague. No. 100,381; Oct. 20; Gaz. vol. 207; p. 923.
- Candy. J. H. Moran. No. 99,333; Aug. 25; Gaz. vol. 205; p. 1319.
- Candy. W. B. Mulford. No. 100,218; Oct. 13; Gaz. vol. 207; p. 605.
- Candy. The C. F. Narwold Co. No. 97,635; June 16; Gaz. vol. 203; p. 920.
- Candy. National Biscuit Company. No. 98,183; July 7; Gaz. vol. 204; p. 311.
- Candy. Novelty Candy Company. Nos. 97,642-3; June 16; Gaz. vol. 203; p. 920.
- Candy. Novelty Candy Company. No. 98,414; July 14; Gaz. vol. 204; p. 671.
- Candy. The Ohio Confection Company. No. 98,188; July 7; Gaz. vol. 204; p. 311.
- Candy. Orange Blossom, Inc. No. 98,001; June 30; Gaz. vol. 203; p. 1551.
- Candy. Palmer Candy Company. No. 101,526; Dec. 22; Gaz. vol. 209; p. 1313.
- Candy. Park & Tilford. No. 97,075; May 19; Gaz. vol. 202; p. 946.
- Candy. Park & Tilford. Nos. 97,269-70; May 26; Gaz. vol. 202; p. 1255.
- Candy. Powell's. No. 98,560; July 21; Gaz. vol. 204; p. 1008.
- Candy. Quaker City Chocolate and Confectionery Company. No. 99,240; Aug. 25; Gaz. vol. 205; p. 1316.
- Candy. The Rood Candy Co. No. 99,244; Aug. 25; Gaz. vol. 205; p. 1316.
- Candy. Salvo & Berdon Candy Co. No. 100,892; Oct. 27; Gaz. vol. 207; p. 1245.
- Candy. Sauerston & Brown. No. 101,534; Dec. 22; Gaz. vol. 209; p. 1314.
- Candy. F. L. Scott. No. 97,001; May 12; Gaz. vol. 202; p. 629.
- Candy. F. F. Shmidt. No. 99,899; Aug. 4; Gaz. vol. 205; p. 302.
- Candy. Southern Candy Company. No. 96,202; Apr. 7; Gaz. vol. 201; p. 264.
- Candy. R. Wangenheim. No. 96,472; Apr. 21; Gaz. vol. 201; p. 897.
- Candy. R. Wangenheim. No. 96,843; May 5; Gaz. vol. 202; p. 311.
- Candy. R. Wangenheim. No. 99,922; Sept. 22; Gaz. vol. 206; p. 1159.
- Candy. Ward-Owsley Co. No. 99,823; Sept. 15; Gaz. vol. 206; p. 873.
- Candy. Westmoreland Candy Company. No. 98,226; July 7; Gaz. vol. 204; p. 312.
- Candy. John G. Woodward & Co. No. 99,830; Sept. 15; Gaz. vol. 206; p. 873.
- Candy. R. Young. No. 96,216; Apr. 7; Gaz. vol. 201; p. 265.
- Candy and chewing-gum. J. W. Patterson. No. 101,197; Nov. 17; Gaz. vol. 208; p. 981.
- Candy, chewing-gum, peanut and popcorn confections. The George Ast Candy Co. No. 95,195; Feb. 3; Gaz. vol. 199; p. 301.
- Candy, Chocolate. Dilling & Company. No. 96,400; Apr. 21; Gaz. vol. 201; p. 895.
- Candy, Chocolate. The George Close Company. No. 99,696; Sept. 15; Gaz. vol. 206; p. 869.
- Candy, Chocolate. Heit-Miller-Lau Co. No. 99,739; Sept. 15; Gaz. vol. 206; p. 871.
- Candy confections. Callit Mint Company. No. 96,940; May 12; Gaz. vol. 202; p. 627.
- Candy confections. Stephen F. Whitman & Son. Nos. 95,968-9; Mar. 24; Gaz. vol. 200; p. 1112.
- Candy cough-drops. The George Blome & Son Co. No. 98,471; July 21; Gaz. vol. 204; p. 1005.
- Candy kisses. L. S. Willey. No. 96,847; May 5; Gaz. vol. 202; p. 311.
- Candy, Laxative. E. Branower. No. 94,875; Jan. 13; Gaz. vol. 198; p. 489.
- Candy, salted peanuts, peanut-butter. Allen & Smith Company. No. 100,692; Oct. 20; Gaz. vol. 207; p. 932.
- Candy, Taffy. M. A. Mittell. No. 95,923; Mar. 24; Gaz. vol. 200; p. 1110.
- Candy, Taffy. M. A. Mittell. No. 97,068; May 19; Gaz. vol. 202; p. 946.
- Candy wafers, lozenges, and tablets. National Wafer Company. No. 97,721; June 16; Gaz. vol. 203; p. 923.
- Candy, wafers, lozenges, and tablets. Package Confectionery Company. No. 100,148; Oct. 6; Gaz. vol. 207; p. 295.
- Candles. Edward J. Knapp Candle Co. No. 97,252; May 26; Gaz. vol. 202; p. 1254.
- Candles. Safety Night Light Co. No. 97,898; June 23; Gaz. vol. 203; p. 1257.
- Candles, night-lights, and mineral wax for illuminating and heating purposes. The Asiatic Petroleum Company. No. 98,236; July 7; Gaz. vol. 204; p. 312.
- Canes, parasols, and umbrellas. Allison & Lamson. No. 100,475; Oct. 20; Gaz. vol. 207; p. 926.
- Canes, parasols, and umbrellas. O. W. Walter. No. 97,097; May 19; Gaz. vol. 202; p. 947.
- Canned albicore. Premier Packing Co. No. 100,885; Oct. 27; Gaz. vol. 207; p. 1245.
- Canned and preserved fruits and vegetables. Golden Gate Packing Co. No. 98,866; Aug. 4; Gaz. vol. 205; p. 301.
- Canned baked beans and tomatoes. F. G. Davis. No. 99,567; Sept. 8; Gaz. vol. 206; p. 584.
- Canned blueberries. E. M. Frye & Co. No. 99,046; Aug. 11; Gaz. vol. 205; p. 659.
- Canned cherries, peaches, pears, tomatoes, &c. Pratt-Low Preserving Co. No. 98,892; Aug. 4; Gaz. vol. 205; p. 302.
- Canned codfish-balls, brown bread, and baked beans. Boston Food Products Company. No. 98,625; July 28; Gaz. vol. 204; p. 1339.
- Canned corn. The Mollen, Thompson & James Company. No. 100,586; Oct. 20; Gaz. vol. 207; p. 929.
- Canned corn. Snow Flake Canning Co. No. 99,911; Sept. 22; Gaz. vol. 206; p. 1159.

Alphabetical list of trade-marks—Continued.

- Canned corn. Sprague, Warner & Company. No. 98,017; June 30; Gaz. vol. 203; p. 1551.
- Canned corn and peas. P. Hohenadel Jr. Canning Co. No. 95,910; Mar. 24; Gaz. vol. 200; p. 1110.
- Canned corn, succotash, and Lima beans. Augusta Canning Co. No. 100,748; Oct. 27; Gaz. vol. 207; p. 1241.
- Canned crab-meat, tuna, clams, &c. North American Mercantile Co. No. 97,074; May 19; Gaz. vol. 202; p. 946.
- Canned, dried, and evaporated fruits and jellies. Yakima Valley Fruit Growers' Association. No. 99,412; Aug. 25; Gaz. vol. 205; p. 1321.
- Canned fish. C. O. Olsen-Kleppe. No. 96,451; Apr. 21; Gaz. vol. 201; p. 897.
- Canned fish. Premier Packing Co. No. 99,063; Aug. 11; Gaz. vol. 205; p. 659.
- Canned fish. Strohmeyer & Arpe Company. No. 95,236; Feb. 3; Gaz. vol. 199; p. 302.
- Canned fish. Tokstad-Burger Co. No. 96,467; Apr. 21; Gaz. vol. 201; p. 897.
- Canned fish, ham, poultry, and beef. William Underwood Company. No. 100,229; Oct. 13; Gaz. vol. 207; p. 606.
- Canned fish, roe, fruit, vegetables, and oysters. W. J. Courtney Co. No. 101,565; Dec. 29; Gaz. vol. 209; p. 1687.
- Canned fish, vegetables, and fruits, &c. Tokstad-Burger Co. No. 101,602; Dec. 29; Gaz. vol. 209; p. 1688.
- Canned fruit and canned cooked fish. Gordon, Sewall & Company. No. 96,409; Apr. 21; Gaz. vol. 201; p. 895.
- Canned fruits and fish. Libby, McNeill & Libby. No. 96,974; May 12; Gaz. vol. 202; p. 628.
- Canned fruits and vegetables. Cobb Preserving Company. No. 95,602; Mar. 3; Gaz. vol. 200; p. 273.
- Canned fruits and vegetables. Cobb Preserving Company. No. 95,890; Mar. 24; Gaz. vol. 200; p. 1110.
- Canned fruits and vegetables. Fleming & Co. No. 95,615; Mar. 3; Gaz. vol. 200; p. 274.
- Canned fruits and vegetables. Frick Bros. No. 99,967; Sept. 29; Gaz. vol. 206; p. 1432.
- Canned fruits and vegetables. Getz Bros. & Co. No. 96,407; Apr. 21; Gaz. vol. 201; p. 895.
- Canned fruits and vegetables. Libby, McNeill & Libby. No. 97,624; June 16; Gaz. vol. 203; p. 920.
- Canned fruits and vegetables. H. G. Prince & Company. No. 96,827; May 5; Gaz. vol. 202; p. 310.
- Canned fruits and vegetables. H. G. Prince & Company. No. 98,691; July 28; Gaz. vol. 204; p. 1341.
- Canned fruits and vegetables. The Wayland Canning Co. No. 101,553; Dec. 22; Gaz. vol. 209; p. 1314.
- Canned fruits and vegetables and dried fruits. The J. K. Armsby Co. No. 95,974; Mar. 31; Gaz. vol. 200; p. 1385.
- Canned fruits, canned vegetables, and canned fish, Certain named. Sprague, Warner & Company. No. 97,009; May 12; Gaz. vol. 202; p. 629.
- Canned fruits, vegetables, and fish. West Side Wholesale Grocery Company. No. 98,910; Aug. 4; Gaz. vol. 205; p. 302.
- Canned fruits, vegetables, and fish, coffee, &c. Grossfeld & Roe Co. No. 98,515; July 21; Gaz. vol. 204; p. 1007.
- Canned fruits, vegetables, and fish, coffee, spices, and mince-meat. Black Hills Wholesale Grocery Company. No. 96,933; May 12; Gaz. vol. 202; p. 627.
- Canned fruits, vegetables, and oysters. McCready & Webster. No. 99,058; Aug. 11; Gaz. vol. 205; p. 659.
- Canned fruits, vegetables, and salmon, and tomato catsup. Diehm-Fansler Grocer Co. No. 99,040; Aug. 11; Gaz. vol. 205; p. 658.
- Canned fruits, vegetables, fish, &c. The H. Lesinsky Company. No. 100,713; Oct. 20; Gaz. vol. 207; p. 933.
- Canned herring. The Sunset Packing Company. No. 98,213; July 7; Gaz. vol. 204; p. 312.
- Canned hominy and beans. Dyer Packing Co. No. 96,951; May 12; Gaz. vol. 202; p. 627.
- Canned olive-oil, fruits, and vegetables. M. Ajello. No. 100,739; Oct. 27; Gaz. vol. 207; p. 1241.
- Canned or preserved fish. J. H. Mercian. No. 96,155; Apr. 7; Gaz. vol. 201; p. 263.
- Canned or preserved fish. J. H. Mercian. Nos. 96,441-4; Apr. 21; Gaz. vol. 201; p. 896.
- Canned peas. Sprague, Warner & Company. No. 98,325; July 7; Gaz. vol. 204; p. 315.
- Canned peas and corn. Minnesota Valley Canning Co. No. 97,634; June 16; Gaz. vol. 203; p. 920.
- Canned pineapple. Hawaiian Pineapple Co. Nos. 99,210-13; Aug. 25; Gaz. vol. 205; p. 1315.
- Canned pineapple. Hawaiian Pineapple Co. No. 99,304; Aug. 25; Gaz. vol. 205; p. 1318.
- Canned pineapple. Hawaiian Pineapple Co. Nos. 99,981-2; Sept. 29; Gaz. vol. 206; p. 1432.
- Canned pork and beans with tomato sauce. C. C. McDonald. Nos. 96,151-2; Apr. 7; Gaz. vol. 201; p. 263.
- Canned pork and beans with tomato sauce. C. C. McDonald. No. 96,595; Apr. 21; Gaz. vol. 201; p. 901.
- Canned salmon. Alaska Fish Co. No. 97,931; June 30; Gaz. vol. 203; p. 1549.
- Canned salmon. Alaska-Portland Packers Association. No. 94,849; Jan. 13; Gaz. vol. 198; p. 489.
- Canned salmon. Alaska-Portland Packers Association. No. 95,506; Feb. 24; Gaz. vol. 199; p. 1239.
- Canned salmon. Kadiak Fisheries Co. Nos. 99,596-8; Sept. 8; Gaz. vol. 206; p. 585.
- Canned salmon. Kadiak Fisheries Co. No. 99,752; Sept. 15; Gaz. vol. 206; p. 871.
- Canned salmon. The Macleay Estate Co. No. 98,170; July 7; Gaz. vol. 204; p. 310.
- Canned salmon. The Macleay Estate Co. No. 99,229; Aug. 25; Gaz. vol. 205; p. 1316.
- Canned salmon. Pacific Fisheries & Packing Company. No. 95,654; Mar. 3; Gaz. vol. 200; p. 275.
- Canned salmon. Pacific Fisheries & Packing Company. Nos. 96,453-4; Apr. 21; Gaz. vol. 201; p. 897.
- Canned salmon. San Juan Fishing & Packing Co. No. 98,012; June 30; Gaz. vol. 203; p. 1551.
- Canned salmon. J. L. Smiley & Co. No. 97,651; June 16; Gaz. vol. 203; p. 921.
- Canned salmon. Union Fishermen's Co-operative Pkg. Co. No. 99,818; Sept. 15; Gaz. vol. 206; p. 873.
- Canned salmon. R. C. Williams & Co. No. 101,554; Dec. 22; Gaz. vol. 209; p. 1314.
- Canned salmon and clams. Hoquiam Packing Company. No. 98,527; July 21; Gaz. vol. 204; p. 1007.
- Canned salmon and lobster. R. C. Williams & Co. No. 94,969; Jan. 13; Gaz. vol. 198; p. 492.
- Canned salmon, corn, and peaches. J. S. McKenzie & Company. Nos. 97,991-2; June 30; Gaz. vol. 203; p. 1550.
- Canned sardines. E. L. Heebner. No. 96,413; Apr. 21; Gaz. vol. 201; p. 896.
- Canned sardines. Otto L. Kuehn Co. Nos. 100,843-7; Oct. 27; Gaz. vol. 207; p. 1244.
- Canned sardines. F. N. Newfeld. No. 97,639; June 16; Gaz. vol. 203; p. 920.
- Canned sardines and olive-oil. La Manna, Azema & Farnan. No. 100,848; Oct. 27; Gaz. vol. 207; p. 1244.
- Canned sardines, herring, and salmon. J. S. McKenzie & Company. No. 96,153; Apr. 7; Gaz. vol. 201; p. 263.
- Canned shrimp. Dunbars, Lopez & Dukate Co. No. 100,105; Oct. 6; Gaz. vol. 207; p. 294.
- Canned shrimp. Dunbars, Lopez & Dukate Co. No. 100,296; Oct. 20; Gaz. vol. 207; p. 921.
- Canned soups. C. F. Moore. No. 96,983; May 12; Gaz. vol. 202; p. 628.
- Canned syrups. R. W. Eames. No. 98,492; July 21; Gaz. vol. 204; p. 1006.
- Canned tomatoes and tomato paste. Violante, Balbi & Co. No. 96,066; Mar. 31; Gaz. vol. 200; p. 1388.
- Canned tuna. Premier Packing Co. No. 98,690; July 28; Gaz. vol. 204; p. 1341.
- Canned tunny, clams, and mussels. C. E. Pierce Co. No. 101,085; Nov. 10; Gaz. vol. 208; p. 652.
- Canned vegetables. The J. K. Armsby Co. No. 96,385; Apr. 21; Gaz. vol. 201; p. 895.
- Canned vegetables. Atlanta Canning Company. No. 98,237; July 7; Gaz. vol. 204; p. 312.
- Canned vegetables. Cereal Food Company. No. 97,594; June 16; Gaz. vol. 203; p. 919.
- Canned vegetables. The Fuller Canneries Company. No. 100,971; Nov. 3; Gaz. vol. 208; p. 334.
- Canned vegetables. Grand River Canning Company. No. 99,389; Aug. 25; Gaz. vol. 205; p. 1321.
- Canned vegetables. Hustisford Canning Co. No. 95,912; Mar. 24; Gaz. vol. 200; p. 1110.
- Canned vegetables. Hustisford Canning Co. No. 96,567; Apr. 21; Gaz. vol. 201; p. 900.
- Canned vegetables. Inderrieden Canning Co. Nos. 98,392-5; July 14; Gaz. vol. 204; p. 670.
- Canned vegetables. Onalaska Pickle & Canning Co. No. 95,937; Mar. 24; Gaz. vol. 200; p. 1111.
- Canned vegetables. Oostburg Canning Company. No. 96,174; Apr. 7; Gaz. vol. 201; p. 263.
- Canned vegetables and evaporated milk. The H. T. Lange Co. No. 99,226; Aug. 25; Gaz. vol. 205; p. 1316.
- Canned vegetables, fruits, and fish. Strohmeyer & Arpe Company. No. 94,956; Jan. 13; Gaz. vol. 198; p. 492.
- Canned vegetables, fruits, and fish. H. von Glahn & Son. No. 100,659; Oct. 20; Gaz. vol. 207; p. 931.
- Canned vegetables, fruits, and fish, spices. Grocers Wholesale Company. No. 96,802; May 5; Gaz. vol. 202; p. 310.
- Canned vegetables, fruits, salmon, and coffee and tea. Cross Abbott Co. No. 95,403; Feb. 17; Gaz. vol. 199; p. 933.
- Canned vegetables, fruits, salmon, and jam. H. F. C. Kilian. No. 100,836; Oct. 27; Gaz. vol. 207; p. 1244.
- Canned vegetables, pickles, catsup, and table-mustard. American Pickle & Canning Co. No. 96,769; May 5; Gaz. vol. 202; p. 309.
- Canned vegetables, sauer-kraut, and pork and beans. The H. T. Lange Co. No. 98,539; July 21; Gaz. vol. 204; p. 1007.
- Canned vegetables, wheat-flour, spices, and syrup, and flavoring extracts. Nicholas Burke Co. No. 95,464; Feb. 17; Gaz. vol. 199; p. 935.
- Cans and buckets, Tin. The Heekin Can Company. No. 99,305; Aug. 25; Gaz. vol. 205; p. 1318.
- Cantaloups. Miller-Cummings Company. No. 100,376; Oct. 20; Gaz. vol. 207; p. 923.
- Cantaloups. L. J. Toadvine. No. 94,959; Jan. 13; Gaz. vol. 198; p. 492.

Alphabetical list of trade-marks—Continued.

- Cantaloups or muskmelons. R. Morrill. No. 101,487; Dec. 15; Gaz. vol. 209; p. 1050.
- Canvas, duck, and cloth for awnings and tents. J. Q. Gant. No. 97,833; June 23; Gaz. vol. 203; p. 1256.
- Caps. J. A. Cohoon. No. 98,638; July 28; Gaz. vol. 204; p. 1339.
- Caps. Eagle Knitting Mills. No. 96,655; Apr. 28; Gaz. vol. 201; p. 1214.
- Caps. Stewart & Bacharach. No. 97,570; June 9; Gaz. vol. 203; p. 598.
- Caps. J. N. Susskind & Co. No. 95,797; Mar. 10; Gaz. vol. 200; p. 579.
- Caps, sweaters, and sweater-coats. Mohawk Valley Cap Factory. No. 97,070; May 19; Gaz. vol. 202; p. 946.
- Capsules, &c., for administering medicines. Firm of J. Schmidt. No. 100,163; Oct. 6; Gaz. vol. 207; p. 295.
- Car-wheels. Hockensmith Wheel & Mine Car Company. No. 100,332; Oct. 20; Gaz. vol. 207; p. 922.
- Caramels. Loose-Wiles Biscuit Company. No. 99,997; Sept. 29; Gaz. vol. 206; p. 1433.
- Carbon, &c., deposits, compounds for removing. A. S. Olin. No. 97,498; June 9; Gaz. vol. 203; p. 596.
- Carbon-remover. C. J. Reitz. No. 96,184; Apr. 7; Gaz. vol. 201; p. 264.
- Carbon-removing compound. A. G. Johnson. No. 100,555; Oct. 20; Gaz. vol. 207; p. 923.
- Carbons, carbon specialties, &c., Certain named. C. Conradty. No. 99,283; Aug. 25; Gaz. vol. 205; p. 1317.
- Carbureters. L. T. Barnes. No. 97,747; June 16; Gaz. vol. 203; p. 925.
- Carbureters. Master Carbureter Company. No. 97,260; May 26; Gaz. vol. 202; p. 1255.
- Carbureters. B. N. Pierce. No. 95,143; Feb. 3; Gaz. vol. 199; p. 300.
- Carbureters, vaporizers or mixers, &c. J. A. Murray. No. 95,338; Feb. 10; Gaz. vol. 199; p. 612.
- Card or picture supports. J. M. Washburn. No. 96,762; Apr. 28; Gaz. vol. 201; p. 1217.
- Card, Playing-. L. R. Berg. No. 95,870; Mar. 24; Gaz. vol. 200; p. 1109.
- Cards, booklets, cut-out mottoes, and calendars. W. N. Sharpe Limited. No. 97,447; June 2; Gaz. vol. 203; p. 301.
- Cards for bookkeeping systems, Blank. Nicols, Dean & Gregg. No. 100,021; Sept. 29; Gaz. vol. 206; p. 1433.
- Cards, Playing-. E. Cayce. No. 97,040; May 19; Gaz. vol. 202; p. 945.
- Cards, Playing-. The United States Playing Card Co. No. 96,210; Apr. 7; Gaz. vol. 201; p. 264.
- Cards, prints, and valentines, Christmas, Easter, &c. The George C. Whitney Co. No. 97,022; May 12; Gaz. vol. 202; p. 629.
- Cardboard, pasteboard, paper, envelopes, and cards. Firm of J. W. Zanders. No. 98,110; June 30; Gaz. vol. 203; p. 1554.
- Carpet and rug cleaning composition. D. O. Quivey. No. 96,335; Apr. 14; Gaz. vol. 201; p. 566.
- Carpet-warps. Rice-Stix Dry Goods Company. No. 100,412; Oct. 20; Gaz. vol. 207; p. 924.
- Carpets. Cochrane Manufacturing Co. Nos. 100,274-5; Oct. 20; Gaz. vol. 207; p. 920.
- Carpets and rugs. M. J. Whittail. No. 95,027; Jan. 20; Gaz. vol. 198; p. 700.
- Carpets and rugs, Textile. Hardwick & Magee Co. No. 96,882; May 5; Gaz. vol. 202; p. 312.
- Carpets and rugs, Wilton pile. Schofield, Mason & Co. No. 95,484; Feb. 17; Gaz. vol. 199; p. 936.
- Carpets and rugs, Woven. Hardwick & Magee Co. No. 96,673; Apr. 28; Gaz. vol. 201; p. 1214.
- Carriage-doors, Mechanical devices for operating the window-sashes of. Rheims & Auscher. No. 96,340; Apr. 14; Gaz. vol. 201; p. 566.
- Carriages and buggies. Reliance Buggy Co. No. 100,619; Oct. 20; Gaz. vol. 207; p. 930.
- Carriages and buggies. Reliance Buggy Co. No. 100,887; Oct. 27; Gaz. vol. 207; p. 1245.
- Carriages, Baby-. Newark Go-Cart Manufacturing Co. No. 95,933; Mar. 24; Gaz. vol. 200; p. 1111.
- Carriages, motor carriages and chassis, &c. Firm of H. Büssing. No. 99,423; Sept. 1; Gaz. vol. 206; p. 307.
- Cartons and boxes. Park Novelty Company, (now by change of name Lafore-Foster Company.) No. 98,053; June 30; Gaz. vol. 203; p. 1552.
- Cartons, boxes, and receptacle-bags. A. Jarvis. No. 97,246; May 26; Gaz. vol. 202; p. 1254.
- Cartoons and drawings. R. W. Satterfield. No. 101,220; Nov. 17; Gaz. vol. 208; p. 982.
- Cartridges, empty shells, primers, and shot. The Western Cartridge Co. No. 98,601; July 21; Gaz. vol. 204; p. 1009.
- Cartridges, Rifle-. Winchester Repeating Arms Co. No. 96,848; May 5; Gaz. vol. 202; p. 311.
- Case-hardening materials. Rodman Chemical Company. No. 99,789; Sept. 15; Gaz. vol. 206; p. 872.
- Casein preparation. Syrolit Limited. No. 97,790; June 16; Gaz. vol. 203; p. 925.
- Casein, Technical. Internationale Galalith-Gesellschaft Hoff & Co. Nos. 95,630-1; Mar. 3; Gaz. vol. 200; p. 274.
- Casket name-plates, Burial-. The Springfield Metallic Casket Company. No. 100,727; Oct. 20; Gaz. vol. 207; p. 933.
- Caskets and coffins. Peetz Brothers Livery & Undertaking Company. No. 99,356; Aug. 25; Gaz. vol. 205; p. 1320.
- Casters. R. E. Miller. No. 97,874; June 23; Gaz. vol. 203; p. 1257.
- Castings, Aluminum. The Aluminum Castings Company. No. 100,741; Oct. 27; Gaz. vol. 207; p. 1241.
- Castings and forgings, Steel and iron. Daimler-Motoren-Gesellschaft. No. 100,778; Oct. 27; Gaz. vol. 207; p. 1242.
- Castings and forgings, Metal. Bonney Vise & Tool Works. No. 100,084; Oct. 6; Gaz. vol. 207; p. 293.
- Castings and forgings, Steel and iron. Taylor-Wharton Iron & Steel Co. No. 98,438; July 14; Gaz. vol. 204; p. 671.
- Catarrh and hay-fever remedy. J. Follens. No. 96,406; Apr. 21; Gaz. vol. 201; p. 895.
- Cathartic capsules. A. Petrie. No. 96,459; Apr. 21; Gaz. vol. 201; p. 897.
- Cathartic compound. J. H. Burns. No. 95,519; Feb. 24; Gaz. vol. 199; p. 1239.
- Cathartic tablets, Candy. Klepper & Armitage. No. 96,516; Apr. 21; Gaz. vol. 201; p. 899.
- Cathartics. E. W. Cox. No. 95,750; Mar. 10; Gaz. vol. 200; p. 577.
- Catsup, pickles, olive-oil, jams, &c. The J. K. Armsby Company. No. 99,835; Sept. 22; Gaz. vol. 206; p. 1157.
- Catsup, powdered cocoa, canned vegetables, &c., Tomato. Gelfman Grocery Co. No. 94,903; Jan. 13; Gaz. vol. 198; p. 490.
- Cement. "Dalmatia" Portland Cement Works Company. No. 100,519; Oct. 20; Gaz. vol. 207; p. 929.
- Cement as adhesive for household purposes. C. C. Truax & Company. No. 95,176; Feb. 3; Gaz. vol. 199; p. 301.
- Cement, Bituminous. Warren Brothers Company. No. 100,665; Oct. 20; Gaz. vol. 207; p. 931.
- Cement containing oil for rendering roof structures waterproof. Pecora Paint Co. No. 98,192; July 7; Gaz. vol. 204; p. 311.
- Cement or concrete, Bonding. Livingstone Company. No. 98,406; July 14; Gaz. vol. 204; p. 670.
- Cement, Portland. The Associated Portland Cement Manufacturers (1900). No. 100,481; Oct. 20; Gaz. vol. 207; p. 926.
- Cement, Portland. The Associated Portland Cement Manufacturers (1900). No. 101,556; Dec. 29; Gaz. vol. 209; p. 1687.
- Cement, Portland. The Atlas Portland Cement Company. No. 95,387; Feb. 17; Gaz. vol. 199; p. 933.
- Cement, Portland. Marquette Cement Manufacturing Co. No. 99,609; Sept. 8; Gaz. vol. 206; p. 585.
- Cement, Portland. Standard Portland Cement Company. No. 100,442; Oct. 20; Gaz. vol. 207; p. 925.
- Cement, Portland. Universal Portland Cement Co. No. 98,720; July 28; Gaz. vol. 204; p. 1342.
- Cement, Viscous. Atsco, Incorporated. No. 100,746; Oct. 27; Gaz. vol. 207; p. 1241.
- Cement-working tools, Certain named. Bonney Vise & Tool Works. No. 95,737; Mar. 10; Gaz. vol. 200; p. 577.
- Cements for rubber, &c., glue, library-paste, and sealing-wax. The R. M. Hollingshead Co. No. 98,778; Aug. 4; Gaz. vol. 205; p. 298.
- Cements for sidewalks and roadways, Bituminous. E. C. Wallace. No. 97,577; June 9; Gaz. vol. 203; p. 598.
- Cementitious material. The Union Clay Products Company. No. 97,292; May 26; Gaz. vol. 202; p. 1256.
- Cereal meal. Nature Cereal Company. No. 100,220; Oct. 13; Gaz. vol. 207; p. 605.
- Cereals used for foods, Certain. Cereo Company. No. 101,363; Dec. 8; Gaz. vol. 209; p. 679.
- Certain named affections and diseases of domestic animals. K. Kelly. No. 101,068; Nov. 10; Gaz. vol. 208; p. 652.
- Chafing-dishes, coffee-percolators, &c., Electrically-heated. Landers, Frary & Clark. No. 98,538; July 21; Gaz. vol. 204; p. 1007.
- Chains. H. F. Barrows & Company. No. 95,866; Mar. 24; Gaz. vol. 200; p. 1109.
- Chains and chain devices, Certain named. American Chain Company. No. 97,746; June 16; Gaz. vol. 203; p. 923.
- Chains and chain pipe-hangers, Certain named. American Chain Company. No. 101,499; Dec. 22; Gaz. vol. 209; p. 1313.
- Chains, enamel ware, pipe, nails, &c., Hauling-. L. R. Yangco. Nos. 101,348-9; Nov. 24; Gaz. vol. 208; p. 1353.
- Chains, Power-transmission. Brown Brothers. No. 98,922; Aug. 11; Gaz. vol. 205; p. 655.
- Chairs. Milwaukee Chair Company. No. 100,377; Oct. 20; Gaz. vol. 207; p. 923.
- Chairs and rockers. W. S. Milne. No. 95,550; Feb. 24; Gaz. vol. 199; p. 1240.
- Champagne and other sparkling wines. G. H. Mumm & Co. Nos. 97,345-6; June 2; Gaz. vol. 203; p. 298.
- Champagnes. The M. Hommel Wine Co. No. 97,536; June 9; Gaz. vol. 203; p. 597.

Alphabetical list of trade-marks—Continued.

- Chandelier and lighting-fixture socket-covers, body-shells, &c. J. H. White Mfg. Co. No. 99,266; Aug. 25; Gaz. vol. 205; p. 1317.
- Chandeliers, &c. E. F. Guth. No. 98,280; July 7; Gaz. vol. 204; p. 314.
- Chandeliers and lighting-fixtures, Certain parts of. J. H. White Mfg. Co. No. 98,347; July 7; Gaz. vol. 204; p. 316.
- Chandeliers, brackets, and pedestals for gas and electric lights. Holophane Glass Co. No. 98,283; July 7; Gaz. vol. 204; p. 314.
- Chandeliers, brackets, and pedestals for gas and electric lights. Holophane Glass Co. No. 98,662; July 28; Gaz. vol. 204; p. 1340.
- Cheese. Badger Cheese Company. No. 97,202; May 26; Gaz. vol. 202; p. 1253.
- Cheese. F. X. Baumert & Company. No. 97,031; May 19; Gaz. vol. 202; p. 945.
- Cheese. A. J. Blackley. No. 99,540; Sept. 8; Gaz. vol. 206; p. 583.
- Cheese. Ferbend & Co. No. 100,113; Oct. 6; Gaz. vol. 207; p. 294.
- Cheese. Lake Zurich Creamery Co. No. 98,537; July 21; Gaz. vol. 204; p. 1007.
- Cheese. A. Linke. No. 99,227; Aug. 25; Gaz. vol. 205; p. 1316.
- Cheese. MacLaren Imperial Cheese Co. No. 98,302; July 7; Gaz. vol. 204; p. 314.
- Cheese. H. Prinz. No. 95,472; Feb. 17; Gaz. vol. 199; p. 935.
- Cheese. H. Roethlisberger. No. 99,065; Aug. 11; Gaz. vol. 205; p. 659.
- Cheese. M. P. Wilcox. No. 97,302; May 26; Gaz. vol. 202; p. 1256.
- Cheese, Camembert-type. J. B. du Parc. No. 96,577; Apr. 21; Gaz. vol. 201; p. 900.
- Cheeses. P. Sussman. No. 99,664; Sept. 8; Gaz. vol. 206; p. 587.
- Cheeses. Vienna Delicatessen Co. No. 99,668; Sept. 8; Gaz. vol. 206; p. 587.
- Chemical and pharmaceutical preparations, Certain named. Aubry Sisters. No. 100,076; Oct. 6; Gaz. vol. 207; p. 293.
- Chemical and pharmaceutical preparations, Certain named. Piesse & Lubin. No. 100,151; Oct. 6; Gaz. vol. 207; p. 295.
- Chemical and pharmaceutical preparations, Certain named. Society of Chemical Industry in Basle. Nos. 99,913-14; Sept. 22; Gaz. vol. 206; p. 1159.
- Chemical and pharmaceutical preparations, Certain named. C. C. Truax. No. 100,651; Oct. 20; Gaz. vol. 207; p. 931.
- Chemical compounds of reagents, Prepared. Scientific Materials Company. No. 101,052; Nov. 10; Gaz. vol. 208; p. 651.
- Chemical substance used in manufacturing named fabrics. T. Aspinall. No. 94,974; Jan. 20; Gaz. vol. 198; p. 699.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. Brame Drug Company. No. 98,744; Aug. 4; Gaz. vol. 205; p. 297.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. The Styron-Beggs Company. No. 101,342; Nov. 24; Gaz. vol. 208; p. 1353.
- Chemicals, medicines, and pharmaceutical products, Certain named. R. J. Strassenburgh Company. No. 97,184; May 19; Gaz. vol. 202; p. 949.
- Cherries and bouillon. Blanke-Baer Chemical Co. No. 97,940; June 30; Gaz. vol. 203; p. 1549.
- Cheviots. Pilot Cotton Mills Company. No. 97,077; May 19; Gaz. vol. 202; p. 946.
- Cheviots, muslin, gingham, sheets, and pillow-cases. Carson, Pirie, Scott & Co. No. 95,060; Feb. 3; Gaz. vol. 199; p. 297.
- China and earthen ware sets for children. Geo. Borgfeldt & Co. No. 95,979; Mar. 31; Gaz. vol. 200; p. 1385.
- China or porcelain, Certain named articles of. Geo. Borgfeldt & Co. No. 95,980; Mar. 31; Gaz. vol. 200; p. 1385.
- Chinaware or porcelain table sets, vases, jardinières, plaques, &c. Geo. Borgfeldt & Co. No. 97,037; May 19; Gaz. vol. 202; p. 945.
- Chlorid of lime, concentrated lye, and powdered borax. The Sinclair Manufacturing Company. No. 99,654; Sept. 8; Gaz. vol. 206; p. 586.
- Chlorid of lime, concentrated lye, borax, and ammonia. The Sinclair Manufacturing Company. No. 95,359; Feb. 10; Gaz. vol. 199; p. 613.
- Chocolat fondant. Suchard, S. A. No. 94,957; Jan. 13; Gaz. vol. 198; p. 492.
- Chocolate, chocolate liquors, and cocoa. H. Heide. No. 99,579; Sept. 8; Gaz. vol. 206; p. 584.
- Chocolate creams. Loose-Wiles Biscuit Company. No. 99,998; Sept. 29; Gaz. vol. 206; p. 1433.
- Chocolate, Milk-. J. S. Fry and Sons. No. 95,420; Feb. 17; Gaz. vol. 199; p. 934.
- Chocolate preparations, Liquid. P. G. Pickman & Bros. No. 100,611; Oct. 20; Gaz. vol. 207; p. 930.
- Chocolates. Darby Candy Co. No. 96,111; Apr. 7; Gaz. vol. 201; p. 262.
- Chocolates. Johnson Biscuit Company. No. 97,057; May 19; Gaz. vol. 202; p. 946.
- Chocolates. Quaker City Chocolate and Confectionery Company. No. 99,239; Aug. 25; Gaz. vol. 205; p. 1316.
- Chocolates. Reymer & Brothers. No. 99,633; Sept. 8; Gaz. vol. 206; p. 586.
- Chocolates, bonbons, and candies. Norris Incorporated. Nos. 98,186-7; July 7; Gaz. vol. 204; p. 311.
- Chocolates, Sweet. Klein Chocolate Company. No. 99,219; Aug. 25; Gaz. vol. 205; p. 1316.
- Cholin preparations. Vereinigte Chemische Werke Aktiengesellschaft. No. 95,495; Feb. 17; Gaz. vol. 199; p. 936.
- Churns and butter-workers, Combined. Home Creamery Manufacturing Company. No. 95,105; Feb. 3; Gaz. vol. 199; p. 299.
- Chutney, pickles, and condiment sauces. Escoffier (1907) Limited. No. 100,108; Oct. 6; Gaz. vol. 207; p. 294.
- Cider. J. Cima y Garcia. No. 98,760; Aug. 4; Gaz. vol. 205; p. 298.
- Cider, artificial colors and flavors for beverages, &c., Imitation apple. Orleans Cider & Vinegar Co. No. 101,002; Nov. 3; Gaz. vol. 208; p. 335.
- Cigar and cigarette lighting devices. L. V. Aronson. No. 98,234; July 7; Gaz. vol. 204; p. 312.
- Cigar and gas lighting devices. L. V. Aronson. No. 98,460; July 21; Gaz. vol. 204; p. 1005.
- Cigar-cutters. C. H. Leisegang. No. 100,986; Nov. 3; Gaz. vol. 208; p. 334.
- Cigars. Arnold Tietig & Son. No. 96,736; Apr. 28; Gaz. vol. 201; p. 1216.
- Cigars. Austin, Nichols & Co. No. 95,591; Mar. 3; Gaz. vol. 200; p. 273.
- Cigars. H. Becker. No. 101,124; Nov. 17; Gaz. vol. 208; p. 979.
- Cigars. Breslin & Campbell. No. 98,626; July 28; Gaz. vol. 204; p. 1339.
- Cigars. G. Cangiano. No. 95,987; Mar. 31; Gaz. vol. 200; p. 1385.
- Cigars. Cardenas y Co. No. 95,059; Feb. 3; Gaz. vol. 199; p. 297.
- Cigars. Cardenas & Co. No. 96,782; May 5; Gaz. vol. 202; p. 309.
- Cigars. Cardenas y Co. No. 97,391; June 2; Gaz. vol. 203; p. 299.
- Cigars. L. Cohen. No. 99,197; Aug. 25; Gaz. vol. 205; p. 1315.
- Cigars. Compania General de Tabacos de Filipinas. Nos. 96,647-9; Apr. 28; Gaz. vol. 201; p. 1214.
- Cigars. Compania General de Tabacos de Filipinas. Nos. 96,786-7; May 5; Gaz. vol. 202; p. 309.
- Cigars. Compania General de Tabacos de Filipinas. Nos. 96,941-3; May 12; Gaz. vol. 202; p. 627.
- Cigars. The Crest Cigar Co. No. 96,791; May 5; Gaz. vol. 202; p. 309.
- Cigars. M. W. Duffley, Inc. No. 96,116; Apr. 7; Gaz. vol. 201; p. 262.
- Cigars. M. W. Duffley, Inc. No. 96,257; Apr. 14; Gaz. vol. 201; p. 564.
- Cigars. T. W. Edwards. No. 98,265; July 7; Gaz. vol. 204; p. 313.
- Cigars. Fleck Cigar Co. Nos. 95,087-8; Feb. 3; Gaz. vol. 199; p. 298.
- Cigars. Gans Brothers. No. 99,874; Sept. 22; Gaz. vol. 206; p. 1158.
- Cigars. L. W. Hahn. No. 97,543; June 23; Gaz. vol. 203; p. 1256.
- Cigars. H. L. Haines & Co. No. 96,963; May 12; Gaz. vol. 202; p. 628.
- Cigars. J. H. Johnson. No. 100,708; Oct. 20; Gaz. vol. 207; p. 933.
- Cigars. T. Keller Company. No. 101,176; Nov. 17; Gaz. vol. 208; p. 980.
- Cigars. Liborio Cigar Co. No. 101,180; Nov. 17; Gaz. vol. 208; p. 981.
- Cigars. H. Manekin. No. 99,230; Aug. 25; Gaz. vol. 205; p. 1316.
- Cigars. R. Manus & Bros. No. 97,434; June 2; Gaz. vol. 203; p. 301.
- Cigars. C. L. Moorman. No. 101,190; Nov. 17; Gaz. vol. 208; p. 981.
- Cigars. E. B. Nora Gon. No. 99,487; Sept. 1; Gaz. vol. 206; p. 309.
- Cigars. Walter E. Olsen & Company. No. 96,989; May 12; Gaz. vol. 202; p. 628.
- Cigars. C. Owins. No. 95,140; Feb. 3; Gaz. vol. 199; p. 300.
- Cigars. C. C. Porter. No. 99,904; Sept. 22; Gaz. vol. 206; p. 1159.
- Cigars. R. Rose. No. 99,790; Sept. 15; Gaz. vol. 206; p. 872.
- Cigars. R. Rose. Nos. 101,212-14; Nov. 17; Gaz. vol. 208; p. 981.
- Cigars. Schwab Bros. & Baer. No. 99,799; Sept. 15; Gaz. vol. 206; p. 872.
- Cigars. J. A. Shuhart. No. 97,509; June 9; Gaz. vol. 203; p. 596.
- Cigars. I. Teitelbaum. No. 99,917; Sept. 22; Gaz. vol. 208; p. 1159.

Alphabetical list of trade-marks—Continued.

- Cigars. Tower Manufacturing & Novelty Co. No. 97,656; June 16; Gaz. vol. 203; p. 921.
- Cigars. H. Traiser & Company. No. 98,591; July 21; Gaz. vol. 204; p. 1009.
- Cigars and cigarettes. Compania General de Tabacos de Filipinas. No. 96,788; May 5; Gaz. vol. 202; p. 309.
- Cigars and cigarettes. S. J. Georgeades. No. 98,762; Aug. 4; Gaz. vol. 205; p. 298.
- Cigars and cigarettes. R. F. R. Huntsman. No. 97,539; June 9; Gaz. vol. 203; p. 597.
- Cigars and cigarettes. A. Rocha. No. 97,892; June 23; Gaz. vol. 203; p. 1257.
- Cigars and smoking and chewing tobacco. Wayne Tobacco Company. No. 95,379; Feb. 10; Gaz. vol. 199; p. 614.
- Cigars and smoking-tobacco. John T. Stier and Sons. No. 101,231; Nov. 17; Gaz. vol. 208; p. 982.
- Cigars and smoking-tobacco. The United States Distributing Co. No. 96,619; Apr. 21; Gaz. vol. 201; p. 901.
- Cigars, cheroots, cigarettes, and tobaccos. Dorr Cigar Factory. No. 99,710; Sept. 15; Gaz. vol. 206; p. 870.
- Cigars, cigarettes, and manufactured tobacco. Strohmeyer & Arpe Company. No. 95,679; Mar. 3; Gaz. vol. 200; p. 275.
- Cigars, cigarettes, and manufactured tobacco. United Cigar Stores Company. No. 95,179; Feb. 3; Gaz. vol. 199; p. 301.
- Cigars, cigarettes, and smoking-tobacco. The Fair. Nos. 101,145-8; Nov. 17; Gaz. vol. 208; p. 980.
- Cigars, cigarettes, and tobacco. L. Blase. No. 99,684; Sept. 15; Gaz. vol. 206; p. 869.
- Cigars, cigarettes, and tobacco. P. Cannizzaro & Co. No. 100,765; Oct. 27; Gaz. vol. 207; p. 1241.
- Cigars, cigarettes, and tobacco. Lilly, Dungan & Co. No. 101,182; Nov. 17; Gaz. vol. 208; p. 981.
- Cigars, cigarettes, and tobacco. C. C. Symonett. No. 97,654; June 16; Gaz. vol. 203; p. 921.
- Cigars, cigarettes, and tobacco. Waldorf Astoria Segar Company. No. 97,922; June 23; Gaz. vol. 203; p. 1258.
- Cigars, cigarettes, cheroots, and cut tobacco. R. Sadi. No. 99,246; Aug. 25; Gaz. vol. 205; p. 1316.
- Cigars, cigarettes, cheroots, and tobacco. Swaab, San & Marqusee. No. 99,814; Sept. 15; Gaz. vol. 206; p. 873.
- Cigars, cigarettes, cheroots, cut and uncut tobacco. R. Sadi. No. 101,217; Nov. 17; Gaz. vol. 208; p. 982.
- Cigars, cigarettes, leaf-tobacco, and snuff. Compania General de Tabacos de Filipinas. No. 97,952; June 30; Gaz. vol. 203; p. 1549.
- Cigars, cigarettes, tobacco, and snuff. A. Mayer. No. 96,702; Apr. 28; Gaz. vol. 201; p. 1215.
- Cigarette-cases. Havone Cigarette Case Company. No. 96,132; Apr. 7; Gaz. vol. 201; p. 262.
- Cigarette-paper. S. D. Modiano. No. 97,069; May 19; Gaz. vol. 202; p. 946.
- Cigarette-paper. F. R. Rovira. No. 100,420; Oct. 20; Gaz. vol. 207; p. 924.
- Cigarette papers and holders, pipes, cigar-holders, &c. Societe Job, Anciens Etablissements Bardou-Job et Paulhac. No. 99,362; Aug. 25; Gaz. vol. 205; p. 1320.
- Cigarette-papers, Books of. E. Bardou. No. 96,226; Apr. 14; Gaz. vol. 201; p. 563.
- Cigarettes. A. B. C. Importation Co. Nos. 99,467-8; Sept. 1; Gaz. vol. 206; p. 308.
- Cigarettes. Alzanne Cigarette Company. No. 100,072; Oct. 6; Gaz. vol. 207; p. 293.
- Cigarettes. J. H. Bonnell, 2d. No. 96,242; Apr. 14; Gaz. vol. 201; p. 563.
- Cigarettes. The Camp Importation Co. No. 98,748; Aug. 4; Gaz. vol. 205; p. 297.
- Cigarettes. T. Christofidy. No. 100,271; Oct. 20; Gaz. vol. 207; p. 920.
- Cigarettes. S. G. Holbrook. No. 97,855; June 23; Gaz. vol. 203; p. 1256.
- Cigarettes. Godfrey S. Mahn. No. 99,766; Sept. 15; Gaz. vol. 206; p. 871.
- Cigarettes. S. J. Marchosky. Nos. 96,698-9; Apr. 28; Gaz. vol. 201; p. 1215.
- Cigarettes. Old Drury Cigarette Co. No. 99,491; Sept. 1; Gaz. vol. 206; p. 309.
- Cigarettes. The Ranelagh Tobacco Company. No. 100,155; Oct. 6; Gaz. vol. 207; p. 295.
- Cigarettes. G. Rose. No. 100,160; Oct. 6; Gaz. vol. 207; p. 295.
- Cigarettes. J. Saalfeld. No. 96,997; May 12; Gaz. vol. 202; p. 629.
- Cigarettes. Schinasi Bros. Nos. 95,158-9; Feb. 3; Gaz. vol. 199; p. 300.
- Cigarettes. Schinasi Bros. No. 96,832; May 5; Gaz. vol. 202; p. 311.
- Cigarettes. N. Varda. No. 99,921; Sept. 22; Gaz. vol. 206; p. 1159.
- Cigarettes. Waterbury Cigarette Company. No. 101,237; Nov. 17; Gaz. vol. 208; p. 982.
- Cigarettes. A. Zographos. No. 101,245; Nov. 17; Gaz. vol. 208; p. 982.
- Cigarettes and smoking-tobacco. Gilmor & Harrison. No. 101,283; Nov. 24; Gaz. vol. 208; p. 1351.
- Cigarettes, cigars, and smoking-tobacco. R. J. Reynolds Tobacco Company. No. 100,156; Oct. 6; Gaz. vol. 207; p. 295.
- Cigarettes, cigars, tobacco, &c. R. Sadi. No. 96,050; Mar. 31; Gaz. vol. 200; p. 1387.
- Cigarettes containing Turkish tobacco. Athos Tobacco Company. No. 96,221; Apr. 14; Gaz. vol. 201; p. 563.
- Clamps and ground-clamps for clamping rubber hose, &c. The Ideal Clamp Mfg. Company. No. 97,540; June 9; Gaz. vol. 203; p. 597.
- Clarinet-reeds. Deutsche Holzblas-Instrumenten-Fabrik Oscar Adler & Co. No. 96,576; Apr. 21; Gaz. vol. 201; p. 900.
- Clarinets, saxophones, hautboys, bagpipes, &c., Mouth-pieces for. Evette et Schaeffer. Nos. 94,894-5; Jan. 13; Gaz. vol. 198; p. 490.
- Cleaner. Joy-o Chemical Company. No. 98,290; July 7; Gaz. vol. 204; p. 314.
- Cleaner, Dry. Carter Paint Co. No. 101,442; Dec. 15; Gaz. vol. 209; p. 1049.
- Cleaner, Fabric. G. E. Wightman. No. 100,464; Oct. 20; Gaz. vol. 207; p. 926.
- Cleaner for removing dirt, grease, or stains. Great Western Remedy Co. No. 101,096; Nov. 10; Gaz. vol. 208; p. 653.
- Cleaner for woodwork and metal, Emulsion. The Perfectol Company. No. 99,902; Sept. 22; Gaz. vol. 206; p. 1159.
- Cleaner, Liquid clothes-. Co-operative Drug Manufacturing Company, (now by change of name American Drug Mfg. Co.) No. 100,514; Oct. 20; Gaz. vol. 207; p. 927.
- Cleaner used for polishing metal, Coarse-powder. James H. Rhodes & Company. No. 101,595; Dec. 29; Gaz. vol. 209; p. 1688.
- Cleaners and sweepers, Vacuum. The Ramey Co. No. 100,026; Sept. 29; Gaz. vol. 206; p. 1433.
- Cleaners, Electric vacuum-. The Cleveland Suction Cleaner Co. No. 99,001; Aug. 11; Gaz. vol. 205; p. 657.
- Cleaners, Glove and clothes. Co-operative Drug Manufacturing Company, now by change of name American Drug Mfg. Co. No. 99,854; Sept. 22; Gaz. vol. 206; p. 1157.
- Cleaners, Hand vacuum-. Duplexo Vacuum Cleaner Co. Nos. 101,272-4; Nov. 24; Gaz. vol. 208; p. 1351.
- Cleaners, Vacuum-. Richmond Radiator Company. Nos. 100,415-16; Oct. 20; Gaz. vol. 207; p. 924.
- Cleaners, Vacuum-. Richmond Radiator Company. No. 100,618; Oct. 20; Gaz. vol. 207; p. 930.
- Cleaners, Vacuum-. The Rotor Vacuum Cleaner Company. No. 99,066; Aug. 11; Gaz. vol. 205; p. 659.
- Cleaning and bleaching fluid. F. Cormond. No. 96,790; May 5; Gaz. vol. 202; p. 309.
- Cleaning and polishing devices, Certain named floor. Milwaukee Sales Co. No. 99,770; Sept. 15; Gaz. vol. 206; p. 871.
- Cleaning and polishing machines, Certain named. E. Koepen. No. 94,912; Jan. 13; Gaz. vol. 198; p. 491.
- Cleaning and polishing material for metal, glass, enamel, &c. Silicon Operating Co. No. 95,486; Feb. 17; Gaz. vol. 199; p. 936.
- Cleaning and polishing substance. American Cleanser Company. No. 99,073; Aug. 18; Gaz. vol. 205; p. 1015.
- Cleaning and polishing substance. American Cleanser Company. No. 99,679; Sept. 15; Gaz. vol. 206; p. 869.
- Cleaning and scraping machines. Schaefer Mfg. Co. No. 95,483; Feb. 17; Gaz. vol. 199; p. 936.
- Cleaning and whitening preparation. F. J. Le Doyen. No. 95,772; Mar. 10; Gaz. vol. 200; p. 578.
- Cleaning apparatus, Electric. Wisconsin Electric Company. No. 96,766; Apr. 28; Gaz. vol. 201; p. 1217.
- Cleaning apparatus, Electrical metal-. R. Thompson. No. 96,548; Apr. 21; Gaz. vol. 201; p. 899.
- Cleaning certain materials and removing ink-stains, Preparation for. A. Berg. No. 95,241; Feb. 3; Gaz. vol. 199; p. 303.
- Cleaning-cloths. R. Mayer. No. 96,703; Apr. 28; Gaz. vol. 201; p. 1215.
- Cleaning compound. The Hike-Dirt Manufacturing Co. No. 101,099; Nov. 10; Gaz. vol. 208; p. 653.
- Cleaning compound for textile fabrics. Chicago Cleaning Company. No. 96,250; Apr. 14; Gaz. vol. 201; p. 564.
- Cleaning compounds. The Benfer Manufacturing Company. No. 96,632; Apr. 28; Gaz. vol. 201; p. 1213.
- Cleaning liquids for glass, &c. Deutsche Orbat-Gesellschaft mit beschränkter Haftung. No. 96,256; Apr. 14; Gaz. vol. 201; p. 564.
- Cleaning-machines and parts thereof, Electrical vacuum. The Premier Vacuum Cleaner Company. No. 99,018; Aug. 11; Gaz. vol. 205; p. 658.
- Cleaning-polishes for gold, silver, silver-plate, &c. J. A. Chambers. No. 97,596; June 16; Gaz. vol. 203; p. 919.
- Cleaning-powder. Abolisher Chemical Company. No. 99,675; Sept. 15; Gaz. vol. 206; p. 869.
- Cleaning-powder, Alkaline. P. C. Tomson & Company. No. 96,468; Apr. 21; Gaz. vol. 201; p. 897.
- Cleanser. Miller & Company. No. 101,471; Dec. 15; Gaz. vol. 209; p. 1050.
- Cleanser. The Norman Company. No. 99,774; Sept. 15; Gaz. vol. 206; p. 872.
- Cleanser. The Reynolds Corporation. No. 99,906; Sept. 22; Gaz. vol. 206; p. 1159.
- Cleansing and scouring compound. Nickel Plate Stove Polish Co. No. 99,899; Sept. 22; Gaz. vol. 206; p. 1159.

Alphabetical list of trade-marks—Continued.

- Cleansing compound. The New Ideas Company. No. 98,311; July 7; Gaz. vol. 204; p. 315.
- Cleansing compound, Abrasive. Arctic Cleanser Company. No. 97,801; June 23; Gaz. vol. 203; p. 1255.
- Cleansing compounds for the hands and clothing. Ino Manufacturing Company. No. 95,763; Mar. 10; Gaz. vol. 200; p. 578.
- Cleansing-paste. Mahon & Stanly. No. 98,676; July 28; Gaz. vol. 204; p. 1341.
- Clearing-pans, hop-jacks, beer-hoppers, &c. W. Ponndorf. No. 98,687; July 28; Gaz. vol. 204; p. 1341.
- Cloakings. The Mianus Mfg. Co. No. 100,375; Oct. 20; Gaz. vol. 207; p. 923.
- Clocks. J. Kienzle. No. 97,427; June 2; Gaz. vol. 203; p. 300.
- Clocks, Alarm-. George Borgfeldt & Co. No. 99,686; Sept. 15; Gaz. vol. 206; p. 869.
- Clocks and time-movements. Differential Clock Company. No. 95,411; Feb. 17; Gaz. vol. 199; p. 934.
- Clocks and watches. Western Clock Co. No. 95,183; Feb. 3; Gaz. vol. 199; p. 301.
- Clocks and watches. Western Clock Co. No. 96,373; Apr. 14; Gaz. vol. 201; p. 567.
- Clocks and watches. Western Clock Co. No. 96,616; Apr. 21; Gaz. vol. 201; p. 901.
- Clocks and watches. Western Clock Co. Nos. 97,099-100; May 19; Gaz. vol. 202; p. 947.
- Clocks, Watchman's. Hardinge Brothers. No. 97,768; June 16; Gaz. vol. 203; p. 924.
- Closet bowls and tanks, Water-. The Great Western Pottery Co. Nos. 96,007-8; Mar. 31; Gaz. vol. 200; p. 1386.
- Closet bowls and tanks, Water-. The Great Western Pottery Co. No. 97,239; May 26; Gaz. vol. 202; p. 1254.
- Closet bowls, Water-. Kokomo Sanitary Manufacturing Company. No. 97,773; June 16; Gaz. vol. 203; p. 924.
- Closet bowls, Water-. The Great Western Pottery Co. No. 96,281; Apr. 14; Gaz. vol. 201; p. 565.
- Closet seats, Water-. The Brunswick-Balke-Collender Co. No. 99,277; Aug. 25; Gaz. vol. 205; p. 1317.
- Closets, bath-tubs, sinks, &c., Water-. Cahill, Swift Mfg. Co. No. 95,887; Mar. 24; Gaz. vol. 200; p. 1109.
- Closets, lavatories, Water-. Federal-Huber Co. No. 100,788; Oct. 27; Gaz. vol. 207; p. 1242.
- Cloth-cutting machines. H. Maimin Co. No. 100,001; Sept. 29; Gaz. vol. 206; p. 1432.
- Cloth for mending wearing-apparel, shoe-leather, furs, &c. Peters Manufacturing Company. No. 97,887; June 23; Gaz. vol. 203; p. 1257.
- Cloth, Lining-. Peters Brothers. No. 95,469; Feb. 17; Gaz. vol. 199; p. 935.
- Cloths and stuffs. John Wilson (Gildersome). No. 100,678; Oct. 20; Gaz. vol. 207; p. 932.
- Clothes-lines, Fiber. Columbian Rope Co. No. 97,529; June 9; Gaz. vol. 203; p. 597.
- Clothes-marking clips. Fulston Clip Co. No. 96,006; Mar. 31; Gaz. vol. 200; p. 1386.
- Clothes-pins. Dodge Clothespin Company. No. 95,412; Feb. 17; Gaz. vol. 199; p. 934.
- Clothes-pins. C. C. Truax & Company. No. 94,960; Jan. 13; Gaz. vol. 198; p. 492.
- Clothes-racks. J. L. Clarke. No. 96,785; May 5; Gaz. vol. 202; p. 309.
- Clothing and certain named articles of merchandise. G. A. Barclay. No. 100,484; Oct. 20; Gaz. vol. 207; p. 926.
- Clothing, Articles of. Boy Scouts of America. No. 95,883; Mar. 24; Gaz. vol. 200; p. 1109.
- Clothing, Certain articles of. C. B. Rouss. No. 98,424; July 14; Gaz. vol. 204; p. 671.
- Clothing, Certain named. A. Beller & Co. No. 95,046; Feb. 3; Gaz. vol. 199; p. 297.
- Clothing, Certain named. H. A. Budd. No. 95,739; Mar. 10; Gaz. vol. 200; p. 577.
- Clothing, Certain named. P. M. Cohen. No. 98,637; July 28; Gaz. vol. 204; p. 1339.
- Clothing, Certain named. Ferguson Waterproof Co. No. 100,312; Oct. 20; Gaz. vol. 207; p. 921.
- Clothing, Certain named. G. J. Gory. No. 95,218; Feb. 3; Gaz. vol. 199; p. 302.
- Clothing, Certain named. Havens & Geddes Co. No. 101,462; Dec. 15; Gaz. vol. 209; p. 1049.
- Clothing, Certain named. Innovation Shirt Company. No. 95,914; Mar. 24; Gaz. vol. 200; p. 1110.
- Clothing, Certain named. John Mares Limited. No. 95,774; Mar. 10; Gaz. vol. 200; p. 578.
- Clothing, Certain named. McIntyre, Hogg, Marsh and Company. No. 97,774; June 16; Gaz. vol. 203; p. 924.
- Clothing, Certain named. S. Mitchell and Bro. No. 95,335; Feb. 10; Gaz. vol. 199; p. 612.
- Clothing, Certain named. Moore, Eady & Murcott Goode. No. 98,680; July 28; Gaz. vol. 204; p. 1341.
- Clothing, Certain named. The Protocon Company. No. 94,935; Jan. 13; Gaz. vol. 198; p. 491.
- Clothing, Certain named. R. Reis & Co. Nos. 98,693-4; July 28; Gaz. vol. 204; p. 1341.
- Clothing, Certain named. Revillon Frères. No. 96,339; Apr. 14; Gaz. vol. 201; p. 566.
- Clothing, Certain named. Rogers Peet Company. No. 95,351; Feb. 10; Gaz. vol. 199; p. 613.
- Clothing, Certain named. The Spirella Company. No. 95,791; Mar. 10; Gaz. vol. 200; p. 579.
- Clothing, Certain named. The Spirella Company. No. 95,793; Mar. 10; Gaz. vol. 200; p. 579.
- Clothing, Certain named. Union Special Machine Company. No. 98,836; Aug. 4; Gaz. vol. 205; p. 300.
- Clothing, Certain named. R. Walker & Sons. No. 97,191; May 19; Gaz. vol. 202; p. 950.
- Clothing, Certain named. R. Walker & Sons. No. 97,923; June 23; Gaz. vol. 203; p. 1258.
- Clothing, Certain named. J. H. Way & Sons Co. No. 100,461; Oct. 20; Gaz. vol. 207; p. 925.
- Clothing, Certain named articles of. Boy Scouts of America. No. 96,243; Apr. 14; Gaz. vol. 201; p. 563.
- Clothing, Certain named articles of. M. Phillips & Sons. No. 95,010; Jan. 20; Gaz. vol. 198; p. 700.
- Clothing, Certain named ladies' and children's. A. Ratner. No. 101,049; Nov. 10; Gaz. vol. 208; p. 651.
- Clothing, Certain named men's. The Ideal Clothing Company. No. 96,296; Apr. 14; Gaz. vol. 201; p. 565.
- Clothing for infants and children; certain named knit garments. Stork Company. No. 94,955; Jan. 13; Gaz. vol. 198; p. 492.
- Clothing for men and boys. A. & L. August. No. 100,482; Oct. 20; Gaz. vol. 207; p. 926.
- Clothing for men and boys, Certain named. J. Adler. No. 99,033; Aug. 11; Gaz. vol. 205; p. 658.
- Clothing for men and boys, Certain named. Rice-Stix Dry Goods Company. No. 100,413; Oct. 20; Gaz. vol. 207; p. 924.
- Clothing for men and boys, Certain named. Rogers Peet Company. No. 99,019; Aug. 11; Gaz. vol. 205; p. 658.
- Clothing for women, misses, and children, Certain named. D. E. Sicher. No. 100,896; Oct. 27; Gaz. vol. 207; p. 1245.
- Clothing, Men's. The Old Woolen Mills Co. No. 99,017; Aug. 11; Gaz. vol. 205; p. 658.
- Clothing, Men's and boys'. Rice-Stix Dry Goods Company. No. 97,355; June 2; Gaz. vol. 203; p. 298.
- Clothing, Men's and young men's outer. Alfred Benjamin-Washington Co. No. 100,752; Oct. 27; Gaz. vol. 207; p. 1241.
- Clothing, Men's outer. Quality Tailoring Co. of N. Y. No. 100,728; Oct. 20; Gaz. vol. 207; p. 933.
- Clothing, underwear, and athletic garments, Certain named. Innovation Shirt Company. No. 96,297; Apr. 14; Gaz. vol. 201; p. 565.
- Clothing, Women's. Stripling-Jenkins Co. No. 97,373; June 2; Gaz. vol. 203; p. 299.
- Clutches and drill-chucks. Eclipse Machine Company. No. 100,783; Oct. 27; Gaz. vol. 207; p. 1242.
- Coal. Ebensburg Coal Company. No. 101,141; Nov. 17; Gaz. vol. 208; p. 979.
- Coal. Horace Clark & Sons Co. No. 97,598; June 16; Gaz. vol. 203; p. 919.
- Coal. Illinois Midland Coal Company. No. 101,170; Nov. 17; Gaz. vol. 208; p. 980.
- Coal. Indian Head Coal & Mining Company. No. 95,626; Mar. 3; Gaz. vol. 200; p. 274.
- Coal. Mitchell & Dillon Coal Co. No. 101,309; Nov. 24; Gaz. vol. 208; p. 1352.
- Coal. E. R. Norton. No. 99,234; Aug. 25; Gaz. vol. 205; p. 1316.
- Coal. Plymouth Coal and Mining Co. No. 95,658; Mar. 3; Gaz. vol. 200; p. 275.
- Coal. Rutledge and Taylor Coal Co. No. 97,445; June 2; Gaz. vol. 203; p. 301.
- Coal. Williamson County Coal Company. Nos. 101,240-1; Nov. 17; Gaz. vol. 208; p. 982.
- Coal, and particularly washed coal. Monon Coal Company. No. 95,336; Feb. 10; Gaz. vol. 199; p. 612.
- Coal, Block-. Anchor Coal Company. No. 95,042; Feb. 3; Gaz. vol. 199; p. 297.
- Coal, Block-. Anchor Coal Company. No. 100,742; Oct. 27; Gaz. vol. 207; p. 1241.
- Coal, Compound for treating. The Clinedinst Coal and Heat Saving Chemical Company. No. 96,106; Apr. 7; Gaz. vol. 201; p. 261.
- Coal-cutters, rock and hammer drills, and parts thereof. International Channelling Machines. No. 99,053; Aug. 11; Gaz. vol. 205; p. 659.
- Coal-tar-creosote compound, Emulsifiable. Samuel Cabot, Incorporated. No. 99,000; Aug. 11; Gaz. vol. 205; p. 657.
- Coal-tar, derivatives thereof, and coal-tar products. Barrett Manufacturing Company. No. 101,032; Nov. 10; Gaz. vol. 208; p. 651.
- Coal-tar distillates for use as a preservative coating. Barrett Manufacturing Company. No. 96,858; May 5; Gaz. vol. 202; p. 311.
- Coaster-brakes. Eclipse Machine Company. No. 101,375; Dec. 8; Gaz. vol. 209; p. 679.
- Coating composed of certain named ingredients, Liquid protective. Bayway Chemical Company. No. 99,272; Aug. 25; Gaz. vol. 205; p. 1317.
- Coating compound for automobile wheel-rims and metallic surfaces. The Calumet Co. No. 96,100; Apr. 7; Gaz. vol. 201; p. 261.
- Coating for certain named structures and a fireproof paint. H. W. Johns-Manville Co. No. 95,632; Mar. 3; Gaz. vol. 200; p. 274.

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- Coating, Liquid protective. Bayway Chemical Company. No. 98,119; July 7; Gaz. vol. 204; p. 309.
- Coats. The Stein-Bloch Co. No. 100,907; Oct. 27; Gaz. vol. 207; p. 1246.
- Coats and capes. A. Beller & Co. No. 99,077; Aug. 18; Gaz. vol. 205; p. 1015.
- Coats and capes. Wing Patent Garment Co. No. 100,679; Oct. 20; Gaz. vol. 207; p. 932.
- Coats and pants, Men's. L. R. Marks. No. 95,455; Feb. 17; Gaz. vol. 199; p. 935.
- Coats and rain-coats. Cravenette. True-Fit Waterproof Co. No. 99,517; Sept. 1; Gaz. vol. 206; p. 310.
- Coats and suits. Bischof Sterne & Stein. No. 99,127; Aug. 18; Gaz. vol. 205; p. 1016.
- Coats and suits, Ladies'. S. L. Silver & Co. No. 101,340; Nov. 24; Gaz. vol. 208; p. 1353.
- Coats and suits, Outer. Leon Mann Co. No. 98,409; July 14; Gaz. vol. 204; p. 670.
- Coats and vests, Hunting. Ves-tong Manufacturing Co. No. 100,656; Oct. 20; Gaz. vol. 207; p. 931.
- Coats, cloaks, suits, and outer skirts, Ladies'. H. Burstein & Co. Nos. 96,247-8; Apr. 14; Gaz. vol. 201; p. 564.
- Coats, cloaks, wraps, and capes. The Salt's Textile Manufacturing Company. Nos. 97,506-7; June 9; Gaz. vol. 203; p. 596.
- Coats, cloaks, wraps, and capes. The Salt's Textile Manufacturing Company. Nos. 97,900-2; June 23; Gaz. vol. 203; p. 1258.
- Coats, cloaks, wraps, and capes. The Salt's Textile Manufacturing Company. Nos. 99,020-3; Aug. 11; Gaz. vol. 205; p. 658.
- Coats, cloaks, wraps, and capes. The Salt's Textile Manufacturing Company. Nos. 99,504-5; Sept. 1; Gaz. vol. 206; p. 309.
- Coats, cloaks, wraps, and capes. The Salt's Textile Manufacturing Company. No. 99,647; Sept. 8; Gaz. vol. 206; p. 586.
- Coats, cloaks, wraps, and capes. The Salt's Textile Manufacturing Company. No. 100,628; Oct. 20; Gaz. vol. 207; p. 930.
- Coats, cloaks, wraps, and capes. The Salt's Textile Manufacturing Company. No. 101,332; Nov. 24; Gaz. vol. 208; p. 1353.
- Coats, hats, dresses, &c. L. J. Wolfenberger. No. 101,025; Nov. 3; Gaz. vol. 208; p. 335.
- Coats, leggings, caps, &c. Women's and children's. Worumbo Manufacturing Company. No. 97,194; May 19; Gaz. vol. 202; p. 950.
- Coats, Outer. H. Cohen. No. 99,082; Aug. 18; Gaz. vol. 205; p. 1015.
- Coats, suits, dresses, &c. The Panard Company. No. 100,604; Oct. 20; Gaz. vol. 207; p. 930.
- Coats, trousers, vests, and overcoats. K. Katz & Sons. No. 100,342; Oct. 20; Gaz. vol. 207; p. 922.
- Coats, trousers, waistcoats, and overcoats. J. F. Lenigan Co. No. 100,567; Oct. 20; Gaz. vol. 207; p. 929.
- Coats, vests, and trousers, Men's. The Royal Tailors. No. 100,626; Oct. 20; Gaz. vol. 207; p. 930.
- Coats, vests, trousers, and overcoats. Briede & Rogovsky. No. 101,129; Nov. 17; Gaz. vol. 208; p. 979.
- Coats, vests, trousers, and overcoats. Liebman-Philpson Co. No. 94,917; Jan. 13; Gaz. vol. 198; p. 491.
- Coats, vests, trousers, and rain-coats. Idan-Ha Woolen Mills. No. 97,477; June 9; Gaz. vol. 203; p. 595.
- Coats, vests, trousers, overcoats, and rain-coats. Hart Schaffner & Marx. No. 95,156; Feb. 3; Gaz. vol. 199; p. 300.
- Cocks, Ball-. T. W. Ryan. No. 97,173; May 19; Gaz. vol. 202; p. 949.
- Cocktail ingredients. Symphony Cocktail Company. No. 96,364; Apr. 14; Gaz. vol. 201; p. 567.
- Cocoa. Malmö Chokolad- & Konfekt-Fabriks Aktie-Bolag. No. 96,437; Apr. 21; Gaz. vol. 201; p. 896.
- Cocoa. R. A. Richardson. No. 98,007; June 30; Gaz. vol. 203; p. 1551.
- Cocoa. C. J. Van Houten & Zoon. No. 97,660; June 16; Gaz. vol. 203; p. 921.
- Cocoa-butter substitute. India Refining Company. No. 98,286; July 7; Gaz. vol. 204; p. 314.
- Cocoa, chocolate, and cocoa-butter. Internationale Cacao fabrieken. No. 101,171; Nov. 17; Gaz. vol. 208; p. 980.
- Cocoa, chocolate, pudding-powders, &c., Liquid. H. V. Stollwerck. No. 100,643; Oct. 20; Gaz. vol. 207; p. 931.
- Cocoas and chocolates. A. & W. Lindt. No. 100,216; Oct. 13; Gaz. vol. 207; p. 605.
- Cocanut-oil product. Puritan Coconut Butter Co. No. 99,359; Aug. 25; Gaz. vol. 205; p. 1320.
- Cocanut, Shredded. Franklin Baker Company. No. 95,198; Feb. 3; Gaz. vol. 199; p. 301.
- Codfish, hake, pollock, and mackerel. C. H. Lawrence & Company. No. 101,179; Nov. 17; Gaz. vol. 208; p. 980.
- Coffee. Abel & Asher Co. No. 95,189; Feb. 3; Gaz. vol. 199; p. 301.
- Coffee. Allen, Slade & Co. No. 98,453; July 21; Gaz. vol. 204; p. 1005.
- Coffee. Arbuckle Brothers. No. 96,081; Apr. 7; Gaz. vol. 201; p. 261.
- Coffee. F. S. Armstrong. No. 100,075; Oct. 6; Gaz. vol. 207; p. 293.
- Coffee. L. H. Bishoff. No. 95,874; Mar. 24; Gaz. vol. 200; p. 1109.
- Coffee. Bowers Brothers. Nos. 97,941-4; June 30; Gaz. vol. 203; p. 1549.
- Coffee. Bowers Brothers. No. 99,542; Sept. 8; Gaz. vol. 206; p. 583.
- Coffee. R. del Castillo & Company. No. 100,199; Oct. 13; Gaz. vol. 207; p. 605.
- Coffee. Chase & Sanborn. No. 99,548; Sept. 8; Gaz. vol. 206; p. 583.
- Coffee. Chase & Sanborn. No. 99,946; Sept. 29; Gaz. vol. 206; p. 1431.
- Coffee. Cheek-Neal Coffee Co. No. 99,196; Aug. 25; Gaz. vol. 205; p. 1315.
- Coffee. Cheek-Neal Coffee Co. Nos. 101,506-7; Dec. 22; Gaz. vol. 209; p. 1313.
- Coffee. Denison & Company. No. 97,955; June 30; Gaz. vol. 203; p. 1549.
- Coffee. Denison & Company. No. 93,370; July 14; Gaz. vol. 204; p. 669.
- Coffee. Duryee & Barwise. No. 97,960; June 30; Gaz. vol. 203; p. 1549.
- Coffee. B. Fischer & Co. No. 97,607; June 16; Gaz. vol. 203; p. 919.
- Coffee. J. A. Folger & Company. Nos. 95,211-14; Feb. 3; Gaz. vol. 199; p. 302.
- Coffee. J. A. Folger & Company. No. 95,901; Mar. 24; Gaz. vol. 200; p. 1110.
- Coffee. Grand Union Tea Company. No. 99,974; Sept. 29; Gaz. vol. 206; p. 1432.
- Coffee. J. B. Greenhut Co., formerly Greenhut, Siegel Cooper Co. No. 99,732; Sept. 15; Gaz. vol. 206; p. 870.
- Coffee. J. B. Greenhut Co., formerly Greenhut-Siegel Cooper Co., Inc. Nos. 100,116-18; Oct. 6; Gaz. vol. 207; p. 294.
- Coffee. The Haserot Company. No. 98,871; Aug. 4; Gaz. vol. 205; p. 301.
- Coffee. The James Heekin Company. No. 94,907; Jan. 13; Gaz. vol. 198; p. 490.
- Coffee. John Hoffmann & Sons. No. 96,134; Apr. 7; Gaz. vol. 201; p. 262.
- Coffee. John Hoffmann & Sons Co. No. 98,523; July 21; Gaz. vol. 204; p. 1007.
- Coffee. Humphreys Cannon & Co. No. 97,211; May 26; Gaz. vol. 202; p. 1253.
- Coffee. Jellico Grocery Company. No. 99,751; Sept. 15; Gaz. vol. 206; p. 871.
- Coffee. Jellico Grocery Company. No. 100,213; Oct. 13; Gaz. vol. 207; p. 605.
- Coffee. Johnson-Layne Coffee Co. No. 99,217; Aug. 25; Gaz. vol. 205; p. 1316.
- Coffee. Maury-Cole Company. No. 101,073; Nov. 10; Gaz. vol. 208; p. 652.
- Coffee. McFadden Coffee & Spice Co. No. 99,893; Sept. 22; Gaz. vol. 206; p. 1158.
- Coffee. J. R. Newberry Co. No. 98,887; Aug. 4; Gaz. vol. 205; p. 301.
- Coffee. J. R. Newberry Co. No. 98,963; Aug. 11; Gaz. vol. 205; p. 656.
- Coffee. C. T. Paris. No. 96,035; Mar. 31; Gaz. vol. 200; p. 1387.
- Coffee. C. T. Paris. No. 98,002; June 30; Gaz. vol. 203; p. 1551.
- Coffee. Powell-Sanders Co. No. 99,780; Sept. 15; Gaz. vol. 206; p. 872.
- Coffee. Quirk Bros. No. 97,648; June 16; Gaz. vol. 203; p. 920.
- Coffee. The J. R. Richardson Company. No. 95,718; Mar. 3; Gaz. vol. 200; p. 276.
- Coffee. H. Rippen. No. 100,890; Oct. 27; Gaz. vol. 207; p. 1245.
- Coffee. Rust-Parker-Martin Company. No. 101,330; Nov. 24; Gaz. vol. 208; p. 1353.
- Coffee. J. J. Schotten. No. 96,833; May 5; Gaz. vol. 202; p. 311.
- Coffee. Silver & Co. No. 95,233; Feb. 3; Gaz. vol. 199; p. 302.
- Coffee. R. G. Thomas. No. 97,655; June 16; Gaz. vol. 203; p. 921.
- Coffee. The Weideman Company. No. 100,930; Oct. 27; Gaz. vol. 207; p. 1246.
- Coffee. The Geo. F. Wiemann Co. No. 96,845; May 5; Gaz. vol. 202; p. 311.
- Coffee. The Woolson Spice Co. No. 99,926; Sept. 22; Gaz. vol. 206; p. 1159.
- Coffee and chicory and spices, Blended. American Coffee Company of New Orleans. No. 96,851; May 5; Gaz. vol. 202; p. 311.
- Coffee and coffee and chicory mixtures. H. F. Batterton. No. 98,622; July 28; Gaz. vol. 204; p. 1339.
- Coffee and tea. Denison & Company. No. 98,371; July 14; Gaz. vol. 204; p. 669.
- Coffee and tea. Meyer, Foote & Dayton Co. No. 99,769; Sept. 15; Gaz. vol. 206; p. 871.
- Coffee and tea. Stone-Ordean-Wells Company. No. 97,653; June 16; Gaz. vol. 203; p. 921.
- Coffee, Blended. Acker, Merrill & Condit Company. No. 99,531; Sept. 8; Gaz. vol. 206; p. 583.
- Coffee, Blended. The Climax Coffee and Baking Powder Co. No. 97,216; May 26; Gaz. vol. 202; p. 1253.

Alphabetical list of trade-marks—Continued.

- Coffee, Blended. Gulf City Coffee Company. Nos. 97,968-9; June 30; Gaz. vol. 203; p. 1550.
- Coffee, Blended. Hanley & Kinsella Coffee & Spice Company. No. 95,908; Mar. 24; Gaz. vol. 200; p. 1110.
- Coffee, Blended. L. E. King. No. 96,422; Apr. 21; Gaz. vol. 201; p. 896.
- Coffee, Blended. The W. Edwards Company. No. 97,222; May 26; Gaz. vol. 202; p. 1253.
- Coffee, Blended. Worden Grocer Company. No. 94,971; Jan. 13; Gaz. vol. 198; p. 492.
- Coffee, Green and roasted. William Schotten Coffee Company. Nos. 98,014-15; June 30; Gaz. vol. 203; p. 1551.
- Coffee-hulling machines. William L. Dines, Jr. Co. No. 95,606; Mar. 3; Gaz. vol. 200; p. 273.
- Coffee, Imitation. Holzhauser & Kenney. No. 99,214; Aug. 25; Gaz. vol. 205; p. 1315.
- Coffee-making apparatus, (glass.) Krausse & Auerbach. No. 98,294; July 7; Gaz. vol. 204; p. 314.
- Coffee, Malt. Kathrein's Malzkaffee-Fabriken G. m. b. H. No. 96,969; May 12; Gaz. vol. 202; p. 628.
- Coffee, Package roasted. West Coast Grocery Company. No. 99,669; Sept. 8; Gaz. vol. 206; p. 587.
- Coffee-percolators. The Silex Co. No. 97,369; June 2; Gaz. vol. 203; p. 299.
- Coffee-pulping machines. William L. Dines, Jr. Co. No. 95,607; Mar. 3; Gaz. vol. 200; p. 273.
- Coffee, rice, tea, and peanuts. Bayless Coffee and Spice Mills. No. 95,867; Mar. 24; Gaz. vol. 200; p. 1109.
- Coffee, Roasted. C. T. Paris. No. 99,624; Sept. 8; Gaz. vol. 206; p. 585.
- Coffee, Roasted. Steinwender-Stoffregen Coffee Co. Nos. 99,661-2; Sept. 8; Gaz. vol. 206; p. 586.
- Coffee, Settling and clarifying. F. H. Angle. No. 97,586; June 16; Gaz. vol. 203; p. 919.
- Coffee, Soluble. C. F. Blanke Tea & Coffee Company. No. 94,870; Jan. 13; Gaz. vol. 198; p. 489.
- Coffee substitute. H. L. Adams. No. 97,105; May 19; Gaz. vol. 202; p. 947.
- Coffee substitute. C. F. Blanke Tea & Coffee Company. No. 98,921; Aug. 11; Gaz. vol. 205; p. 655.
- Coffee substitute. Dwinell-Wright Company. No. 95,707; Mar. 3; Gaz. vol. 200; p. 276.
- Coffee substitute. Panama Banana Food Company. No. 95,715; Mar. 3; Gaz. vol. 200; p. 276.
- Coffee substitute. Simas, Vasconcellos & Co. No. 98,576; July 21; Gaz. vol. 204; p. 1008.
- Coffee substitute. Sincof Company. No. 100,898; Oct. 27; Gaz. vol. 207; p. 1245.
- Coffee substitute. T. Wolfram. No. 98,912; Aug. 4; Gaz. vol. 205; p. 302.
- Coffee-substitute drink. B. Huber. No. 98,528; July 21; Gaz. vol. 204; p. 1007.
- Coffee, tea, and olive-oil. Davies-Sullivan Company. No. 98,255; July 7; Gaz. vol. 204; p. 313.
- Coffee, teas, and spices. The Woolson Spice Company. No. 99,831; Sept. 15; Gaz. vol. 206; p. 873.
- Coffees. Jaburg Brothers. No. 97,056; May 19; Gaz. vol. 202; p. 946.
- Coffees, teas, and spices. Knell & Prengel. No. 99,890; Sept. 22; Gaz. vol. 206; p. 1158.
- Coffees, teas, spices, and flavoring extracts. Western Tea & Coffee Co. No. 97,300; May 26; Gaz. vol. 202; p. 1256.
- Colic, azoturia, distemper, &c. The Dr. Pyle Veterinary Remedy Co. No. 98,197; July 7; Gaz. vol. 204; p. 311.
- Collar-buttons. G. Carter. No. 97,392; June 2; Gaz. vol. 203; p. 299.
- Collars. Cluett, Peabody & Co. No. 96,569; Apr. 21; Gaz. vol. 201; p. 900.
- Collars. William Barker Company. No. 100,485; Oct. 20; Gaz. vol. 207; p. 926.
- Collars and cuffs. Nurses Outfitting Association. No. 99,115; Aug. 18; Gaz. vol. 205; p. 1016.
- Collars, cuffs, and shirts. Cluett, Peabody & Co. No. 96,645; Apr. 28; Gaz. vol. 201; p. 1213.
- Collars, cuffs, and shirts. Hall, Hartwell & Co. No. 97,845; June 23; Gaz. vol. 203; p. 1256.
- Collars, cuffs, and shirts. Searle Manufacturing Co. No. 101,256; Nov. 17; Gaz. vol. 208; p. 983.
- Collars, Ladies'. Timothy F. Crowley, Incorporated. No. 98,486; July 21; Gaz. vol. 204; p. 1006.
- Cologne. James S. Kirk & Company. No. 96,025; Mar. 31; Gaz. vol. 200; p. 1386.
- Cologne, Toilet. Ramsdell Drug Company. No. 94,936; Jan. 13; Gaz. vol. 198; p. 491.
- Coloring material for straw hats. The Arthur Chemical Co. No. 101,122; Nov. 17; Gaz. vol. 208; p. 979.
- Coloring-matters for use as ingredients in food. Ungemach, A.-G. Els. Conserven-Fabrik & Import-Gesellschaft. No. 98,220; July 7; Gaz. vol. 204; p. 312.
- Coloring-matters for use in food. Ungemach, A.-G. Els. Conserven-Fabrik & Import-Gesellschaft. No. 98,099; June 30; Gaz. vol. 203; p. 1554.
- Colors, Artists'. Talens & Son. No. 96,547; Apr. 21; Gaz. vol. 201; p. 899.
- Colors, Ceramic. The Schmidt Ceramic Chemical Company. No. 99,179; Aug. 18; Gaz. vol. 205; p. 1018.
- Colors, Coal-tar. Society of Chemical Industry in Basle. Nos. 101,428-9; Dec. 8; Gaz. vol. 209; p. 681.
- Colors in tubes and water-colors, Oil. H. Schmincke & Co. No. 101,014; Nov. 3; Gaz. vol. 208; p. 335.
- Combination-garments, Ladies'. Harrison & Rosenberg. No. 98,659; July 28; Gaz. vol. 204; p. 1340.
- Combs. J. W. Walton Sons. No. 99,041; Aug. 11; Gaz. vol. 205; p. 658.
- Combs, Aluminum toilet. Aluminum Goods Mfg. Co. No. 101,353; Dec. 8; Gaz. vol. 209; p. 679.
- Combs, &c., Celluloid. Geo. Borgfeldt & Co. No. 95,393; Feb. 17; Gaz. vol. 199; p. 933.
- Combs, Toilet. Noyes Comb Company. No. 99,352; Aug. 25; Gaz. vol. 205; p. 1320.
- Combs, Toilet. Noyes Comb Company. No. 99,489; Sept. 1; Gaz. vol. 206; p. 309.
- Combs, Toilet. Philo Hay Specialties Co. No. 100,881; Oct. 27; Gaz. vol. 207; p. 1245.
- Comforts, Cotton. The R. Blankenburg Company. No. 98,855; Aug. 4; Gaz. vol. 205; p. 300.
- Compasses, Magnetic. Taylor Instrument Companies. No. 98,715; July 28; Gaz. vol. 204; p. 1342.
- Compasses, Mariners'. Taylor Instrument Companies. No. 97,908; June 23; Gaz. vol. 203; p. 1258.
- Complexion-cloth, Tinted. R. Martin. No. 97,711; June 16; Gaz. vol. 203; p. 922.
- Compound for the treatment of pneumonia, tuberculosis, and coughs. C. V. Cross. No. 95,246; Feb. 3; Gaz. vol. 199; p. 303.
- Compound for the treatment of skin diseases, cuts, &c., and compound for treating horses and cattle. F. Lindberg. No. 97,708; June 16; Gaz. vol. 203; p. 922.
- Concrete floor-construction material. V. H. Kriegshaber. No. 98,399; July 14; Gaz. vol. 204; p. 670.
- Concrete hardening, filling, and bonding materials. The Master Builders Company. No. 99,163; Aug. 18; Gaz. vol. 205; p. 1017.
- Concrete sidewalks and curbs. Clip Bar Manufacturing Company. No. 98,635; July 28; Gaz. vol. 204; p. 1339.
- Concrete sockets and inserts. Clip-Bar Manufacturing Company. No. 100,273; Oct. 20; Gaz. vol. 207; p. 920.
- Condensers used with cameras, and motion-picture-projecting machines. Kleine Optical Company. No. 99,317; Aug. 25; Gaz. vol. 205; p. 1318.
- Conduit outlet-boxes, cover parts, and fittings. Crouse-Hinds Company. No. 97,125; May 19; Gaz. vol. 202; p. 948.
- Confection, Frozen. F. K. Underwood. No. 100,918; Oct. 27; Gaz. vol. 207; p. 1246.
- Confection of popcorn and peanuts. G. E. Clark. No. 99,081; Aug. 18; Gaz. vol. 205; p. 1015.
- Confectionery. L. H. Wilcox. No. 96,846; May 5; Gaz. vol. 202; p. 311.
- Confectionery, Certain paste-like mass used as an article of. S. F. Whitman & Son. No. 99,374; Aug. 25; Gaz. vol. 205; p. 1320.
- Construction materials, Certain named. Huttig Sash & Door Co. No. 99,312; Aug. 25; Gaz. vol. 205; p. 1318.
- Construction materials, Certain named. C. S. Waldo. No. 97,738; June 16; Gaz. vol. 203; p. 923.
- Construction materials, Certain named metallic. Dahlstrom Metallic Door Co. No. 95,605; Mar. 3; Gaz. vol. 200; p. 273.
- Construction members. Bill Deezy Company. No. 97,205; May 26; Gaz. vol. 202; p. 1253.
- Containers of its products. American Bank Note Company. No. 95,038; Feb. 3; Gaz. vol. 199; p. 297.
- Containing vessels, Metal closures for. National Metal Seal Corporation. No. 101,591; Dec. 29; Gaz. vol. 209; p. 1688.
- Conveying and transmission apparatus. The Lamson Company. No. 95,637; Mar. 3; Gaz. vol. 200; p. 274.
- Conveying and transmission apparatus. The Lamson Company. No. 100,358; Oct. 20; Gaz. vol. 207; p. 922.
- Conveying mechanism and parts thereof. Robins Conveying Belt Company. No. 98,896; Aug. 4; Gaz. vol. 205; p. 302.
- Cookers, Fireless. A. Stahel. No. 96,836; May 5; Gaz. vol. 202; p. 311.
- Cooking apparatus, Retained-heat. Grand Rapids Upholstering Co. No. 99,458; Sept. 1; Gaz. vol. 206; p. 308.
- Cooking compound. The N. K. Fairbank Company. No. 101,276; Nov. 24; Gaz. vol. 208; p. 1351.
- Cooking outfit, Aluminum telescoping. V. Heinmüller. No. 95,618; Mar. 3; Gaz. vol. 200; p. 274.
- Cooking utensils, Aluminum. Aluminum Goods Mfg. Co. No. 100,943; Nov. 3; Gaz. vol. 208; p. 333.
- Coolers, Water-containing vessels serving as. W. A. Plummer Mfg. Co. No. 97,503; June 9; Gaz. vol. 203; p. 596.
- Cooling compound for cutting and grinding. The White & Bagley Company. No. 98,603; July 21; Gaz. vol. 204; p. 1009.
- Coop, Brood. P. J. Speicher. No. 99,811; Sept. 15; Gaz. vol. 206; p. 873.
- Copying-cloths, Apparatus for preparing. C. W. Jean Company. No. 98,158; July 7; Gaz. vol. 204; p. 310.
- Cordage. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 95,251; Feb. 3; Gaz. vol. 199; p. 303.
- Cordage comprising cords and ropes. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 97,225; May 26; Gaz. vol. 202; p. 1254.

Alphabetical list of trade-marks—Continued.

- Cordage, rope, twine, and string. The India Rubber, Gutta Percha and Telegraph Works Co. No. 98,396; July 14; Gaz. vol. 204; p. 670.
- Cordial. Societe Anonyme de la Distillerie de la Liqueur Benedictine de l'Abbaye de Fecamp. No. 95,488; Feb. 17; Gaz. vol. 199; p. 936.
- Cordial. Société Anonyme de la Distillerie de la Liqueur Benedictine de l'Abbaye de Fecamp. No. 99,363; Aug. 25; Gaz. vol. 205; p. 1320.
- Cordial, Blackberry. Co-operative Drug Manufacturing Company, now by change of name American Drug Mfg. Co. Nos. 99,558-60; Sept. 8; Gaz. vol. 206; p. 583.
- Cordial, Blackberry. Co-operative Drug Manufacturing Company, now by change of name American Drug Mfg. Co. No. 99,853; Sept. 22; Gaz. vol. 206; p. 1157.
- Cordials. Mariani Bro's. No. 95,641; Mar. 3; Gaz. vol. 200; p. 274.
- Cordials. The Schuster Company. No. 100,164; Oct. 6; Gaz. vol. 207; p. 295.
- Cordials. Société Anonyme de la Distillerie de la Liqueur de Mandarine de Bougie. No. 100,439; Oct. 20; Gaz. vol. 207; p. 925.
- Cordials and liquors. Les Heritiers de Marie Brizard & Roger, M. B. Glotin, Achard & Glotin. No. 101,486; Dec. 15; Gaz. vol. 209; p. 1050.
- Cordials, whisky, and brandy. W. P. Bernagozzi. No. 96,229; Apr. 14; Gaz. vol. 201; p. 563.
- Cords (bare) and ropes of certain named materials. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 98,377; July 14; Gaz. vol. 204; p. 669.
- Cork-pullers. Arcade Manufacturing Company. No. 94,855; Jan. 13; Gaz. vol. 198; p. 489.
- Corn. Callahan & Sons. No. 97,946; June 30; Gaz. vol. 203; p. 1549.
- Corn and bunion plaster. C. Woofter. No. 95,584; Feb. 24; Gaz. vol. 199; p. 1241.
- Corn and bunion plasters, foot-powders, &c. J. Goodman. No. 100,802; Oct. 27; Gaz. vol. 207; p. 1243.
- Corn and oats. Halliday Elevator Co. No. 95,428; Feb. 17; Gaz. vol. 199; p. 934.
- Corn cereal foods. E. L. Kastler. No. 100,709; Oct. 20; Gaz. vol. 207; p. 933.
- Corn, Evaporated sweet. E. B. Hostetter. No. 99,311; Aug. 25; Gaz. vol. 205; p. 1318.
- Corn flakes, wheat-biscuit, krumbles, and wheat flakes, Toasted. Kellogg Toasted Corn Flakes Company. No. 98,293; July 7; Gaz. vol. 204; p. 314.
- Corn-plasters. N. G. Walterhouse. No. 96,067; Mar. 31; Gaz. vol. 200; p. 1388.
- Corn-plasters. Business of Orator F. Woodward, Deceased. No. 97,316; June 2; Gaz. vol. 203; p. 297.
- Corn, Popping. The Albert Dickinson Company. Nos. 99,708-9; Sept. 15; Gaz. vol. 206; p. 870.
- Corn products. Evans Milling Company. No. 96,403; Apr. 21; Gaz. vol. 201; p. 895.
- Corn-remover and court-plaster, Liquid. E. H. Niemoeller. No. 98,807; Aug. 4; Gaz. vol. 205; p. 299.
- Corn-shields. A. J. Potvin. No. 95,659; Mar. 3; Gaz. vol. 200; p. 275.
- Corn, Yellow-dent seed. Courteen Seed Company. No. 99,436; Sept. 1; Gaz. vol. 206; p. 307.
- Cornmeal. C. W. Gruensfelder. No. 95,906; Mar. 24; Gaz. vol. 200; p. 1110.
- Cornmeal. Husted Milling Company. No. 96,515; Apr. 21; Gaz. vol. 201; p. 898.
- Cornmeal. Moore & Rogers. No. 96,157; Apr. 7; Gaz. vol. 201; p. 263.
- Cornmeal. Scott County Milling Company. No. 99,800; Sept. 15; Gaz. vol. 206; p. 872.
- Cornmeal. St. John & Company. No. 94,954; Jan. 13; Gaz. vol. 198; p. 492.
- Cornmeal. Yates and Donelson Co. No. 95,505; Feb. 17; Gaz. vol. 199; p. 936.
- Corset-boning. Madame Irene. No. 95,110; Feb. 3; Gaz. vol. 199; p. 299.
- Corset fabrics. E. E. Goodwin. No. 99,093; Aug. 18; Gaz. vol. 205; p. 1015.
- Corset fitting and lacing devices. The Warner Brothers Company. No. 95,496; Feb. 17; Gaz. vol. 199; p. 936.
- Corset-stays, Wire. The La Resista Corset Company. No. 96,308; Apr. 14; Gaz. vol. 201; p. 565.
- Corset-steels. Birdsey-Somers Co. No. 97,033; May 19; Gaz. vol. 202; p. 945.
- Corsets. American Lady Corset Co. No. 95,194; Feb. 3; Gaz. vol. 199; p. 301.
- Corsets. American Lady Corset Company. No. 97,665; June 16; Gaz. vol. 203; p. 921.
- Corsets. F. W. Brown. No. 100,261; Oct. 20; Gaz. vol. 207; p. 920.
- Corsets. Chappell, Allen & Co. No. 95,743; Mar. 10; Gaz. vol. 200; p. 577.
- Corsets. Derby Corset Company. No. 99,086; Aug. 18; Gaz. vol. 205; p. 1015.
- Corsets. Frolaset Corset Company. No. 97,048; May 19; Gaz. vol. 202; p. 945.
- Corsets. Frolaset Corset Company. Nos. 97,763-4; June 16; Gaz. vol. 203; p. 924.
- Corsets. Jordan Marsh Company. No. 100,578; Oct. 20; Gaz. vol. 207; p. 929.
- Corsets. R. Kerner. No. 95,767; Mar. 10; Gaz. vol. 200; p. 578.
- Corsets. The La Resista Corset Company. No. 96,894; May 5; Gaz. vol. 202; p. 312.
- Corsets. Madame X Manufacturing Company. No. 96,593; Apr. 21; Gaz. vol. 201; p. 901.
- Corsets. Madame X Manufacturing Company. No. 96,695; Apr. 28; Gaz. vol. 201; p. 1215.
- Corsets. C. Petersen. No. 97,352; June 2; Gaz. vol. 203; p. 298.
- Corsets. Van Orden Corset Company. No. 100,731; Oct. 20; Gaz. vol. 207; p. 933.
- Corsets. John Wanamaker, New York. No. 95,965; Mar. 24; Gaz. vol. 200; p. 1112.
- Corsets. Weingarten Bros. No. 96,922; May 5; Gaz. vol. 202; p. 313.
- Corsets and gloves. C. Schnabel. No. 98,429; July 14; Gaz. vol. 204; p. 671.
- Corsets and gloves. A. Weiserbs. No. 95,966; Mar. 24; Gaz. vol. 200; p. 1112.
- Corsets, brassieres, bust-supporters, and corset-waists. Corset H Company. No. 95,748; Mar. 10; Gaz. vol. 200; p. 577.
- Corsets, corset-covers, waists, shoes, &c. The Spirella Company. No. 97,177; May 19; Gaz. vol. 202; p. 949.
- Cosmetics for the skin. H. Wenker. No. 96,071; Mar. 31; Gaz. vol. 200; p. 1388.
- Cotton. Cauto Tree Cotton Co. No. 101,269; Nov. 24; Gaz. vol. 208; p. 1351.
- Cotton and chemically-treated wood-fiber piece goods. Galey & Lord. No. 101,042; Nov. 10; Gaz. vol. 208; p. 651.
- Cotton and cotton and silk piece goods. G. H. Wolf. No. 100,683; Oct. 20; Gaz. vol. 207; p. 932.
- Cotton and linen piece goods. Trippe, Barker & Co. No. 95,022; Jan. 20; Gaz. vol. 198; p. 700.
- Cotton and linen piece goods. Trippe, Barker & Co. Nos. 97,088-91; May 19; Gaz. vol. 202; pp. 946-7.
- Cotton and linen piece goods. Trippe, Barker & Co. No. 99,071; Aug. 11; Gaz. vol. 205; p. 659.
- Cotton and linen piece goods. Turtle Brothers. No. 98,904; Aug. 4; Gaz. vol. 205; p. 302.
- Cotton and silk crape piece goods. M. Kurzmans Sons. No. 100,357; Oct. 20; Gaz. vol. 207; p. 922.
- Cotton and wool dress goods. Osgood & Silverblatt. No. 96,326; Apr. 14; Gaz. vol. 201; p. 566.
- Cotton and wool piece goods. Henry F. Scatchard Mfg. Co. No. 99,506; Sept. 1; Gaz. vol. 206; p. 309.
- Cotton and woolen piece goods. J. Ressel. No. 97,354; June 2; Gaz. vol. 203; p. 298.
- Cotton dress goods in the piece. B. Hart & Bro. No. 94,814; Jan. 6; Gaz. vol. 198; p. 235.
- Cotton duck. Wellington, Sears & Company. No. 98,906; Aug. 4; Gaz. vol. 205; p. 302.
- Cotton-duck cloth. West Point Manufacturing Co. No. 98,909; Aug. 4; Gaz. vol. 205; p. 302.
- Cotton fabric piece goods, Woven. Consolidated Textile Mills Co. No. 95,203; Feb. 3; Gaz. vol. 199; p. 301.
- Cotton fabrics, Woven. G. A. Stafford. Nos. 100,440-1; Oct. 20; Gaz. vol. 207; p. 925.
- Cotton flannels, Plain. Amoskeag Manufacturing Company. No. 100,233; Oct. 20; Gaz. vol. 207; p. 919.
- Cotton goods in the piece. Beacon Manufacturing Co. No. 100,249; Oct. 20; Gaz. vol. 207; p. 919.
- Cotton goods, Napped. Beacon Manufacturing Co. No. 99,536; Sept. 8; Gaz. vol. 206; p. 583.
- Cotton, linen, &c., dress piece goods. Carson, Pirie, Scott & Co. No. 97,319; June 2; Gaz. vol. 203; p. 297.
- Cotton piece and dress goods. Amoskeag Manufacturing Company. Nos. 100,234-43; Oct. 20; Gaz. vol. 207; p. 919.
- Cotton piece and dress goods and bed-covering. Lancaster Mills. No. 96,893; May 5; Gaz. vol. 202; p. 312.
- Cotton piece, dress, and bed-covering goods. Lancaster Mills. No. 99,107; Aug. 18; Gaz. vol. 205; p. 1016.
- Cotton piece goods. Amoskeag Manufacturing Company. Nos. 94,851-4; Jan. 13; Gaz. vol. 198; p. 489.
- Cotton piece goods. Amoskeag Manufacturing Company. No. 95,030; Jan. 20; Gaz. vol. 198; p. 700.
- Cotton piece goods. Amoskeag Manufacturing Company. No. 95,041; Feb. 3; Gaz. vol. 199; p. 297.
- Cotton piece goods. Amoskeag Manufacturing Company. No. 95,281; Feb. 10; Gaz. vol. 199; p. 611.
- Cotton piece goods. Amoskeag Manufacturing Company. Nos. 97,027-8; May 19; Gaz. vol. 208; p. 945.
- Cotton piece goods. Amoskeag Manufacturing Company. No. 97,199; May 26; Gaz. vol. 202; p. 1253.
- Cotton piece goods. Amoskeag Manufacturing Company. No. 97,386; June 2; Gaz. vol. 203; p. 299.
- Cotton piece goods. Amoskeag Manufacturing Company. No. 98,850; Aug. 4; Gaz. vol. 205; p. 300.
- Cotton piece goods. Appleton Company. Nos. 98,352-5; July 14; Gaz. vol. 204; p. 669.
- Cotton piece goods. Appleton Company. Nos. 98,458-9; July 21; Gaz. vol. 204; p. 1005.
- Cotton piece goods. Appleton Company. No. 98,616; July 28; Gaz. vol. 204; p. 1339.
- Cotton piece goods. Appleton Company. No. 99,076; Aug. 18; Gaz. vol. 205; p. 1015.
- Cotton piece goods. Arista Mills Company. Nos. 94,856-7; Jan. 13; Gaz. vol. 198; p. 489.

Alphabetical list of trade-marks—Continued.

- Cotton piece goods. Carson, Pirie, Scott & Co. No. 98,631; July 28; Gaz. vol. 204; p. 1339.
- Cotton piece goods. Catlin & Co. No. 100,267; Oct. 20; Gaz. vol. 207; p. 920.
- Cotton piece goods. Converse & Company. Nos. 96,490-9; Apr. 21; Gaz. vol. 201; p. 898.
- Cotton piece goods. Converse & Company. No. 96,867; May 5; Gaz. vol. 202; p. 312.
- Cotton piece goods. Elms & Sellon. No. 96,656; Apr. 28; Gaz. vol. 201; p. 1214.
- Cotton piece goods. The Florence Mills. No. 95,417; Feb. 17; Gaz. vol. 199; p. 934.
- Cotton piece goods. Fearing, Whiton & Co. No. 100,309; Oct. 20; Gaz. vol. 207; p. 921.
- Cotton piece goods. Franklin Mfg. Co. No. 95,534; Feb. 24; Gaz. vol. 199; p. 1240.
- Cotton piece goods. King Philip Mills. No. 98,398; July 14; Gaz. vol. 204; p. 670.
- Cotton piece goods. King Philip Mills. No. 99,103; Aug. 18; Gaz. vol. 205; p. 1016.
- Cotton piece goods. Massachusetts Cotton Mills. No. 98,546; July 21; Gaz. vol. 204; p. 1007.
- Cotton piece goods. Renfrew Mfg Co. No. 101,050; Nov. 10; Gaz. vol. 208; p. 651.
- Cotton piece goods. Rice-Stix Dry Goods Company. No. 101,420; Dec. 8; Gaz. vol. 209; p. 681.
- Cotton piece goods. J. L. Stifel & Sons. No. 97,085; May 19; Gaz. vol. 202; p. 946.
- Cotton piece goods. L. & E. Stirn. No. 100,642; Oct. 20; Gaz. vol. 207; p. 931.
- Cotton piece goods. Tremont & Suffolk Mills. No. 99,516; Sept. 1; Gaz. vol. 206; p. 310.
- Cotton piece goods. Bleached. Carson, Pirie, Scott & Co. No. 97,820; June 23; Gaz. vol. 203; p. 1255.
- Cotton piece goods. Mercerized. C. K. Glason. No. 99,576; Sept. 8; Gaz. vol. 206; p. 584.
- Cotton plaids, Woven. Neuss, Hesslein & Co. No. 95,008; Jan. 20; Gaz. vol. 198; p. 700.
- Cotton-seed. W. A. Simpkins. No. 98,577; July 21; Gaz. vol. 204; p. 1008.
- Cotton, silk, and woolen piece goods. Monnig Dry Goods Co. No. 97,718; June 16; Gaz. vol. 203; p. 922.
- Cotton, silk, wool, &c., piece goods. E. W. Cook. No. 100,966; Nov. 3; Gaz. vol. 208; p. 333.
- Cotton twills. Farnsworth, Hoyt & Co. No. 98,652; July 28; Gaz. vol. 204; p. 1340.
- Couches. Naperville Lounge Company. No. 96,713; Apr. 28; Gaz. vol. 201; p. 1215.
- Cough-drops. M. O. Montgomery. No. 97,495; June 9; Gaz. vol. 203; p. 596.
- Cough-syrup. The W. J. Gilmore Drug Company. No. 96,410; Apr. 21; Gaz. vol. 201; p. 896.
- Cough-syrup. T. Goss. No. 98,278; July 7; Gaz. vol. 204; p. 314.
- Cough-syrup. W. M. Griffin Company. No. 96,408; Apr. 21; Gaz. vol. 201; p. 895.
- Cough-syrup powder. A. G. Barnes. No. 98,117; July 7; Gaz. vol. 204; p. 309.
- Coupling-washers. H. Mueller Manufacturing Co. No. 100,863; Oct. 27; Gaz. vol. 207; p. 1244.
- Couplings for machinery, Flexible. The Francke Co. No. 101,279; Nov. 24; Gaz. vol. 208; p. 1351.
- Coupons, Books of printed. O. V. Smith. No. 97,004; May 12; Gaz. vol. 202; p. 629.
- Crackers. F. E. Block Company. No. 95,201; Feb. 3; Gaz. vol. 199; p. 301.
- Crackers. Johnson Educator Food Co. No. 98,874; Aug. 4; Gaz. vol. 205; p. 301.
- Crackers and biscuits. The Canton Biscuit Co. No. 100,766; Oct. 27; Gaz. vol. 207; p. 1241.
- Crackers, biscuits, and cakes. Robert A. Johnston Co. No. 97,618; June 16; Gaz. vol. 203; p. 920.
- Crackers, biscuits, cookies, and cakes. Dubuque Biscuit Company. No. 100,781; Oct. 27; Gaz. vol. 207; p. 1242.
- Crackers, cookies, biscuits, and cakes. L. Iten & Sons. No. 98,156; July 7; Gaz. vol. 204; p. 310.
- Crackers, Graham. The Lakeside Biscuit Company. No. 94,913; Jan. 13; Gaz. vol. 198; p. 491.
- Crackers. Laxative. The California Pharmacy Company. No. 96,641; Apr. 28; Gaz. vol. 201; p. 1213.
- Cradles, Grain, rice, and corn. The J. A. Schwob Co. No. 100,893; Oct. 27; Gaz. vol. 207; p. 1245.
- Cradles, Grain, rice, and corn. J. A. Schwob Co. No. 101,334; Nov. 24; Gaz. vol. 208; p. 1353.
- Cradles, Self-swinging. The Automatic Cradle Mfg. Co. No. 99,534; Sept. 8; Gaz. vol. 206; p. 583.
- Cranberries. G. W. Davis. No. 95,405; Feb. 17; Gaz. vol. 199; p. 933.
- Cranberry products used in fountain-drinks. R. Frank. No. 96,959; May 12; Gaz. vol. 202; p. 628.
- Crape piece goods. Franken & Frank. No. 100,796; Oct. 27; Gaz. vol. 207; p. 1242.
- Crayons. Binney & Smith Company. No. 96,236; Apr. 14; Gaz. vol. 201; p. 563.
- Crayons. Binney & Smith Company. No. 99,838; Sept. 22; Gaz. vol. 206; p. 1157.
- Crayons and erasers. Blackboard. Clanton & Webb Company. No. 100,272; Oct. 20; Gaz. vol. 207; p. 920.
- Cream and antiseptic ointment, Massage and skin. H. G. Schauer mann. No. 100,899; Oct. 27; Gaz. vol. 207; p. 1245.
- Cream and lotion, Toilet. M. Wolodarsky. No. 95,813; Mar. 10; Gaz. vol. 200; p. 579.
- Cream, Cold-. F. G. Burke. No. 98,474; July 21; Gaz. vol. 204; p. 1005.
- Cream, Cold-. W. A. Fahrenwald. No. 100,785; Oct. 27; Gaz. vol. 207; p. 1242.
- Cream, Cold-. Pond's Extract Company. No. 94,930; Jan. 13; Gaz. vol. 198; p. 491.
- Cream, Cold-. Ramsdell Drug Company. No. 94,937; Jan. 13; Gaz. vol. 198; p. 491.
- Cream, Face-. B. Munk. No. 96,446; Apr. 21; Gaz. vol. 201; p. 896.
- Cream, Face-. National Pharmacy Co. No. 95,777; Mar. 10; Gaz. vol. 200; p. 578.
- Cream, Face-. Pond's Extract Company. No. 94,931; Jan. 13; Gaz. vol. 198; p. 491.
- Cream, Face-. O. C. Prior. No. 101,323; Nov. 24; Gaz. vol. 208; p. 1353.
- Cream, Lip-. J. J. Sarrazin. No. 95,017; Jan. 20; Gaz. vol. 198; p. 700.
- Cream, Massage-. The Adiposa Company. No. 98,452; July 21; Gaz. vol. 204; p. 1005.
- Cream, Massage-. M. B. Blum. No. 94,799; Jan. 6; Gaz. vol. 198; p. 235.
- Cream, milk, and butter. C. S. Pope & Sons. No. 99,626; Sept. 8; Gaz. vol. 206; p. 585.
- Cream of tartar, castor-oil, alum, ammonia, &c. Wulffing Grocer Company. No. 96,560; Apr. 21; Gaz. vol. 201; p. 900.
- Cream, perfumes, and face-powder, Cold-. G. C. Wilson. No. 94,844; Jan. 6; Gaz. vol. 198; p. 236.
- Cream preparation, Cold-. W. A. Bohnenkamp. No. 98,037; June 30; Gaz. vol. 203; p. 1552.
- Cream-separators. Sears, Roebuck and Co. No. 97,905; June 23; Gaz. vol. 203; p. 1258.
- Cream-separators and churns. Aktiebolaget Rotator. No. 95,382; Feb. 17; Gaz. vol. 199; p. 933.
- Cream-separators and parts thereof. International Harvester Corporation. No. 95,433; Feb. 17; Gaz. vol. 199; p. 934.
- Cream-separators and parts thereof. International Harvester Corporation. No. 96,020; Mar. 31; Gaz. vol. 200; p. 1386.
- Cream, Shampoo-. Ramsdell Drug Company. No. 95,263; Feb. 3; Gaz. vol. 199; p. 303.
- Cream, Shaving-. H. A. W. Wood. No. 99,829; Sept. 15; Gaz. vol. 206; p. 873.
- Cream, Skin-. The Hygienol Company. No. 97,476; June 9; Gaz. vol. 203; p. 595.
- Cream, Skin-. The Spalding Chemical Co. No. 99,406; Aug. 25; Gaz. vol. 205; p. 1321.
- Cream, Toilet. M. M. Goodenough, Jr. No. 101,156; Nov. 17; Gaz. vol. 208; p. 980.
- Cream, Toilet. C. Y. Waggoner. No. 98,225; July 7; Gaz. vol. 204; p. 312.
- Cream, toilet water, &c., Greaseless. A. J. Pastre. No. 98,085; June 30; Gaz. vol. 203; p. 1553.
- Cream, tooth paste and wash, Cold-. United Drug Company. No. 100,052; Sept. 29; Gaz. vol. 206; p. 1434.
- Creams and nail-polish, Cold-. Richard Hudnut. No. 101,392; Dec. 8; Gaz. vol. 209; p. 680.
- Creams, face-lotion, rouge, and hair- tonic, Face and massage. Maurine Company. No. 95,922; Mar. 24; Gaz. vol. 200; p. 1110.
- Creams, face-powder, and peroxid of hydrogen, Cold and massage. T. A. Goodman. No. 99,577; Sept. 8; Gaz. vol. 206; p. 584.
- Creams, face, &c., powders, and skin-lotion, Cold, &c. A. Tamm. No. 100,181; Oct. 6; Gaz. vol. 207; p. 296.
- Creams for certain ailments, skin eruptions and inflammations. Jaynes Drug Co. No. 101,291; Nov. 24; Gaz. vol. 208; p. 1352.
- Creams, medicated suppositories, and extract of witch-hazel. H. S. Wellcome. No. 96,070; Mar. 31; Gaz. vol. 200; p. 1388.
- Creams, powder, perfumery, and tooth-paste, Toilet. B. Novambère. No. 96,448; Apr. 21; Gaz. vol. 201; p. 897.
- Creosote, oil, and tar, Pine. Forest Products Co. No. 99,451; Sept. 1; Gaz. vol. 206; p. 308.
- Crib for children, Folding. E. M. Trimble. No. 101,548; Dec. 22; Gaz. vol. 209; p. 1314.
- Crockery, porcelain, and earthenware, Decorative. E. Wahliss. No. 98,102; June 30; Gaz. vol. 203; p. 1554.
- Croup-syrup. G. A. Warren. No. 96,473; Apr. 21; Gaz. vol. 201; p. 897.
- Croustades. The F. Beaumont National-Croustade Manufacturing Company. Nos. 99,190-1; Aug. 25; Gaz. vol. 205; p. 1315.
- Crushers, Gyratory. Chalmers & Williams. No. 100,096; Oct. 6; Gaz. vol. 207; p. 293.
- Cultivator-shovels. M. Shrimplin. No. 98,900; Aug. 4; Gaz. vol. 205; p. 302.
- Cultivators. The Bailor Plow Manufacturing Company. No. 100,946; Nov. 3; Gaz. vol. 208; p. 333.
- Cultivators. Brinly-Hardy Company. No. 94,877; Jan. 13; Gaz. vol. 198; p. 490.
- Cultivators. T. L. O'Neil. No. 98,555; July 21; Gaz. vol. 204; p. 1008.
- Culture of *Bacillus Bulgaricus*. The Succinolac Company. No. 101,019; Nov. 3; Gaz. vol. 208; p. 335.

Alphabetical list of trade-marks—Continued.

- Cultures of nodule bacteria. The Albert Dickinson Company. No. 99,039; Aug. 11; Gaz. vol. 205; p. 658.
- Curative for blood disorders. McManis & Smith. No. 101,076; Nov. 10; Gaz. vol. 208; p. 652.
- Curb, splint, bog, spavin, soreness in tendons, &c. R. H. Shaffer. No. 96,055; Mar. 31; Gaz. vol. 200; p. 1387.
- Cure, Blind-staggers. W. P. Haden. No. 101,045; Nov. 10; Gaz. vol. 208; p. 651.
- Curtain, portière, and stair rods and fixtures therefor, Metal. Kirsch Manufacturing Company. No. 98,875; Aug. 4; Gaz. vol. 205; p. 301.
- Curtain-supports. E. H. Schmoeger. No. 95,161; Feb. 3; Gaz. vol. 199; p. 300.
- Curtains, Lace. Patchogue Mfg. Co. No. 100,395; Oct. 20; Gaz. vol. 207; p. 923.
- Cushions, pillows, and mattresses. The J. C. Hirschman Company. No. 96,514; Apr. 21; Gaz. vol. 201; p. 898.
- Cutlery and parts thereof, Certain named. Harrington Cutlery Co. No. 99,151; Aug. 18; Gaz. vol. 205; p. 1017.
- Cutlery and tools and parts thereof, Certain named. Elsiassische Werkzeugfabrik Zornhoff vormals Goldenberg & Co. Nos. 98,138-9; July 7; Gaz. vol. 204; p. 309.
- Cutlery and tools and parts thereof, Certain named. E. Zinn. No. 99,529; Sept. 1; Gaz. vol. 206; p. 310.
- Cutlery and tools, Certain named. The Collins Company. No. 97,825; June 23; Gaz. vol. 203; p. 1255.
- Cutlery and tools, Certain named. The Collins Company. No. 100,099; Oct. 6; Gaz. vol. 207; p. 293.
- Cutlery and tools, Certain named. Fones Brothers Hardware Co. No. 97,133; May 19; Gaz. vol. 202; p. 948.
- Cutlery and tools, Certain named. Turton Bros. & Matthews. No. 101,433; Dec. 8; Gaz. vol. 209; p. 681.
- Cutlery, Certain named. Challenge Cutlery Corporation. No. 99,944; Sept. 29; Gaz. vol. 206; p. 1431.
- Cutlery, Certain named. E. Walker. No. 95,691; Mar. 3; Gaz. vol. 200; p. 276.
- Cutlery, hydraulic machinery, and parts thereof, Certain named. The Hydraulic Press Manufacturing Company. No. 95,106; Feb. 3; Gaz. vol. 199; p. 299.
- Cutlery, machinery, and parts thereof, Certain named. W. Ponndorf. No. 95,146; Feb. 3; Gaz. vol. 199; p. 300.
- Cutlery, machinery, tools, and parts thereof, &c. Felten & Guilleaume Carlswerk Actien-Gesellschaft. No. 97,131; May 19; Gaz. vol. 202; p. 948.
- Cutlery, tools, and agricultural forks, Certain named. Krakauer, Zork & Moyes Sucs. No. 95,768; Mar. 10; Gaz. vol. 200; p. 578.
- Cutlery, tools, and machines, Certain named. C. Morrill. No. 100,012; Sept. 29; Gaz. vol. 206; p. 1433.
- Cutlery, tools, and parts thereof, Certain named. Lewis & Bennett Hardware Co. No. 98,878; Aug. 4; Gaz. vol. 205; p. 301.
- Cutter-blades. Loring Coes & Co. No. 97,824; June 23; Gaz. vol. 203; p. 1255.
- Cutters or silo-fillers and baling-presses, Ensilage. Robinson & Co. No. 100,029; Sept. 29; Gaz. vol. 206; p. 1434.
- Cyanid salts. The Roessler & Hasslacher Chemical Co. No. 97,782; June 16; Gaz. vol. 203; p. 924.
- Cycle-cars. W. H. McIntyre. No. 98,678; July 28; Gaz. vol. 204; p. 1341.
- Cycles. De W. C. Baker. No. 98,239; July 7; Gaz. vol. 204; p. 313.
- Cycles and vehicles other than engines, Certain named parts of. A. Coppel. No. 95,067; Feb. 3; Gaz. vol. 199; p. 298.
- Cycles, motor cycles and cars, &c. Butterfields Limited. No. 100,952; Nov. 3; Gaz. vol. 208; p. 333.
- Cyclometers, odometers, tachometers, and tachodometers. The Veeder Manufacturing Company. No. 97,190; May 19; Gaz. vol. 202; p. 950.
- Dairy machinery and the like, Certain named. Aktiebolaget Baltic. No. 96,849; May 5; Gaz. vol. 202; p. 311.
- Dandruff remedy. The R. L. Watkins Company. No. 98,598; July 21; Gaz. vol. 204; p. 1009.
- Dates. U. H. Dudley & Co. No. 94,958; Jan. 13; Gaz. vol. 198; p. 492.
- Dates. U. H. Dudley & Company. No. 97,958; June 30; Gaz. vol. 203; p. 1549.
- Dates. Hills Brothers Company. No. 99,309; Aug. 25; Gaz. vol. 205; p. 1318.
- Dates. A. W. Morris Co. No. 99,771; Sept. 15; Gaz. vol. 206; p. 871.
- Dates. E. A. O'Kelly & Co. No. 96,600; Apr. 21; Gaz. vol. 201; p. 901.
- Decarbonizer. F. & O. Auto Supply Co. No. 94,975; Jan. 20; Gaz. vol. 198; p. 699.
- Decarbonizing apparatus, Portable. Oxycarbon Co. No. 96,327; Apr. 14; Gaz. vol. 201; p. 566.
- Dehydrating machinery. General Dehydrator Company. No. 97,234; May 26; Gaz. vol. 202; p. 1254.
- Dental brochures. Crescent Dental Mfg. Co. No. 96,944; May 12; Gaz. vol. 202; p. 627.
- Dental cement. E. de Trey. No. 100,448; Oct. 20; Gaz. vol. 207; p. 925.
- Dental cement-tubes. H. L. Cruttenden. No. 100,696; Oct. 20; Gaz. vol. 207; p. 932.
- Dental cream. Colgate & Co. No. 98,482; July 21; Gaz. vol. 204; p. 1006.
- Dental cream. H. S. Goldstein. No. 95,710; Mar. 3; Gaz. vol. 200; p. 276.
- Dental flosses and tapes and tongue-cleansers. J. J. Sarrazin. No. 95,669; Mar. 3; Gaz. vol. 200; p. 275.
- Dental, medical, and surgical appliances, Certain named. A. J. Van Exem. No. 97,455; June 2; Gaz. vol. 203; p. 301.
- Dental powder used in holding dental plates in the mouth. O. Wilson. No. 96,214; Apr. 7; Gaz. vol. 201; p. 265.
- Dental preparation, Chemical. P. M. Wenzel. No. 94,966; Jan. 13; Gaz. vol. 198; p. 492.
- Dentifrice, Liquid. W. H. Dewender. No. 98,754; Aug. 4; Gaz. vol. 205; p. 297.
- Dentifrice, Medicated prophylactic. W. H. Leak. No. 96,896; May 5; Gaz. vol. 202; p. 312.
- Dentifrices. J. F. Steen. No. 99,126; Aug. 18; Gaz. vol. 205; p. 1016.
- Dentistry articles. Crescent Dental Mfg. Co. No. 100,286; Oct. 20; Gaz. vol. 207; p. 920.
- Deodorant. Fulton Bag & Cotton Mills. No. 95,754; Mar. 10; Gaz. vol. 200; p. 577.
- Deodorants. Tokalon, Incorporated. No. 100,180; Oct. 6; Gaz. vol. 207; p. 296.
- Deodorizer and disinfectant. F. E. Gray. No. 100,974; Nov. 3; Gaz. vol. 208; p. 334.
- Deodorizers and disinfectants. The Higmo Disinfectant Company. No. 96,885; May 5; Gaz. vol. 202; p. 312.
- Designs for colleges and fraternities, Ornamental. Utley's Inc. No. 99,819; Sept. 15; Gaz. vol. 206; p. 873.
- Detergent. O. W. Tanke. No. 96,732; Apr. 28; Gaz. vol. 201; p. 1216.
- Detergent compound for renovating varnished surfaces. Werner-Service Mfg. Co. No. 100,932; Oct. 27; Gaz. vol. 207; p. 1246.
- Detergent liquids, Laundry. De Vasher Manufacturing and Supply Company. No. 97,408; June 2; Gaz. vol. 203; p. 300.
- Detergent paste. W. E. Hawley. No. 101,463; Dec. 15; Gaz. vol. 209; p. 1047.
- Detergent preparation, Certain. C. A. Winter. No. 100,469; Oct. 20; Gaz. vol. 207; p. 926.
- Detergents used in cleansing and renovating, Fluid. W. E. Brickman. No. 97,313; June 2; Gaz. vol. 203; p. 297.
- Dextrin and soluble starches. R. Arndt Dextrinfabrik in Neudamm. No. 97,201; May 26; Gaz. vol. 202; p. 1253.
- Diamonds, rubies, emeralds, pearls, &c. H. E. Kerstine. No. 99,990; Sept. 29; Gaz. vol. 206; p. 1432.
- Diapers and infants' pants of waterproof fabric. H. P. Rindskopf. No. 95,848; Mar. 17; Gaz. vol. 200; p. 854.
- Dictating-machine speaking-tubes. Thomas A. Edison, Incorporated. No. 95,080; Feb. 3; Gaz. vol. 199; p. 298.
- Dictating-machines. Thomas A. Edison, Incorporated. No. 98,494; July 21; Gaz. vol. 204; p. 1006.
- Digestants. Waterbury Chemical Company. No. 95,498; Feb. 17; Gaz. vol. 199; p. 936.
- Digestive agent. Chic-A-Lax Manufacturing Co. No. 100,098; Oct. 6; Gaz. vol. 207; p. 293.
- Digestive and corrective for stomach trouble. J. L. Falconer. No. 98,497; July 21; Gaz. vol. 204; p. 1006.
- Digestive ferment. J. K. Neagley. No. 98,805; Aug. 4; Gaz. vol. 205; p. 299.
- Digestive powder, Compound. A. J. Colton. No. 100,510; Oct. 20; Gaz. vol. 207; p. 927.
- Dish washers and driers. E. E. Hershey. No. 96,291; Apr. 14; Gaz. vol. 201; p. 565.
- Dishes made of wood, pulp, and paper, Butter, &c. Northern Bag & Plate Co. No. 99,167; Aug. 18; Gaz. vol. 205; p. 1018.
- Dishes, plates, and bowls, Table and ornamental. The Worcester Royal Porcelain Company. No. 99,927; Sept. 22; Gaz. vol. 206; p. 1159.
- Disinfectant. Bayway Chemical Company. No. 96,391; Apr. 21; Gaz. vol. 201; p. 895.
- Disinfectant. Bayway Chemical Company. No. 96,483; Apr. 21; Gaz. vol. 201; p. 898.
- Disinfectant. Fulton Bag & Cotton Mills. No. 97,414; June 2; Gaz. vol. 203; p. 301.
- Disinfectant. The G. G. Chemical Corporation. No. 101,444; Dec. 15; Gaz. vol. 209; p. 1049.
- Disinfectant and air-purifier. H. V. Flamhaft. No. 98,503; July 21; Gaz. vol. 204; p. 1006.
- Disinfectant and veterinary preparations, Certain named. The "Sanitas" Company. No. 97,363; June 2; Gaz. vol. 203; p. 298.
- Disinfectant, Antiseptic. Aachen Chemical Company. No. 101,028; Nov. 10; Gaz. vol. 208; p. 651.
- Disinfectant for the extermination of mosquitos, ants, &c. Excelso Disinfectant Co. No. 101,376; Dec. 8; Gaz. vol. 209; p. 679.
- Disinfectant, Liquid. M. E. Platt. No. 96,040; Mar. 31; Gaz. vol. 200; p. 1337.
- Disinfectants. Fulton Bag & Cotton Mills. No. 98,275; July 7; Gaz. vol. 204; p. 314.
- Disinfectants. George Starr White, Incorporated. No. 101,062; Nov. 10; Gaz. vol. 208; p. 652.
- Disinfectants. Kalle & Co. Aktiengesellschaft. No. 94,997; Jan. 20; Gaz. vol. 198; p. 699.
- Disinfectants. Providol Gesellschaft mit beschränkter Haftung. No. 98,195; July 7; Gaz. vol. 204; p. 311.

- Disinfectants and insecticides. West Disinfecting Company. No. 97,740; June 16; Gaz. vol. 203; p. 923.
- Disinfectants, deodorants, perfumes, and porous holders therefor. Shoemaker & Busch. No. 99,803; Sept. 15; Gaz. vol. 206; p. 872.
- Disinfectants, insecticides, and certain named pharmaceutical preparations. M. Dickinson. No. 95,308; Feb. 10; Gaz. vol. 199; p. 611.
- Disinfectants, Internal. F. Loës. No. 96,899; May 5; Gaz. vol. 202; p. 313.
- Disinfectants, Internal. J. D. Riedel Aktiengesellschaft. No. 99,786; Sept. 15; Gaz. vol. 206; p. 872.
- Disinfecting and deodorizing containers. General Sanitation Corporation. Nos. 97,531-2; June 9; Gaz. vol. 203; p. 597.
- Divanettes. The F. T. B. Inc. No. 101,571; Dec. 29; Gaz. vol. 209; p. 1687.
- Dolls. Carson, Pirie, Scott & Co. No. 96,783; May 5; Gaz. vol. 202; p. 309.
- Dolls. Geo. Borgfeldt & Co. No. 97,118; May 19; Gaz. vol. 202; p. 947.
- Dolls. Geo. Borgfeldt & Co. Nos. 97,811-14; June 23; Gaz. vol. 203; p. 1255.
- Dolls. George Borgfeldt & Co. No. 100,255; Oct. 20; Gaz. vol. 207; p. 919.
- Dolls. George Borgfeldt & Co. No. 100,758; Oct. 27; Gaz. vol. 207; p. 1241.
- Dolls. E. I. Horsman Co. No. 97,144; May 19; Gaz. vol. 202; p. 948.
- Dolls. The Strobel & Wilken Company. No. 97,374; June 2; Gaz. vol. 203; p. 299.
- Dolls and dolls' clothes. E. Lyon. No. 95,921; Mar. 24; Gaz. vol. 200; p. 1110.
- Dolls and stuffed animal toys. Fair and Carnival Trading Co. No. 99,294; Aug. 25; Gaz. vol. 205; p. 1318.
- Dolls and toys. D. Wolf. No. 98,846; Aug. 4; Gaz. vol. 205; p. 300.
- Dolls, Character-. M. R. Thomas. No. 101,603; Dec. 29; Gaz. vol. 209; p. 1688.
- Dolls, toys, roly-polies, jumping-jacks, &c. Geo. Borgfeldt & Co. No. 96,096; Apr. 7; Gaz. vol. 201; p. 261.
- Door-hangers. Richards-Wilcox Mfg. Co. No. 94,940; Jan. 13; Gaz. vol. 198; p. 491.
- Douche, Nasal. Kress & Owen Company. No. 96,425; Apr. 21; Gaz. vol. 201; p. 896.
- Draft-regulating devices, Chimney-. Carnegie Automatic Fuel Saving Company. No. 97,819; June 23; Gaz. vol. 203; p. 1255.
- Drapery material. A. T. Abbott & Co. No. 98,610; July 28; Gaz. vol. 204; p. 1339.
- Dredging apparatus. Bay City Dredge Works. No. 99,937; Sept. 29; Gaz. vol. 206; p. 1431.
- Dress and garment shields. I. B. Kleinert Rubber Company. No. 100,351; Oct. 20; Gaz. vol. 207; p. 922.
- Dress-banding. The American Mills Company. No. 99,074; Aug. 18; Gaz. vol. 205; p. 1015.
- Dress fasteners and buttons. Waldes & Company. No. 95,808; Mar. 10; Gaz. vol. 200; p. 579.
- Dress-forms. M. Bleendes. No. 95,049; Feb. 3; Gaz. vol. 199; p. 297.
- Dress-forms. Majestic Dress Form Company. Nos. 101,298-308; Nov. 24; Gaz. vol. 208; p. 1352.
- Dress-shields. The Canfield Rubber Company. No. 95,741; Mar. 10; Gaz. vol. 200; p. 577.
- Dress-shields. The Canfield Rubber Company. No. 95,986; Mar. 31; Gaz. vol. 200; p. 1385.
- Dress-shields. Canfield Rubber Company. No. 96,864; May 5; Gaz. vol. 202; p. 311.
- Dress-shields. I. B. Kleinert Rubber Company. No. 97,864; June 23; Gaz. vol. 203; p. 1256.
- Dress-shields. I. B. Kleinert Rubber Company. No. 98,665; July 28; Gaz. vol. 204; p. 1340.
- Dress-shields. I. B. Kleinert Rubber Company. Nos. 98,786-8; Aug. 4; Gaz. vol. 205; p. 298.
- Dress-shields. I. B. Kleinert Rubber Company. No. 98,876; Aug. 4; Gaz. vol. 205; p. 301.
- Dress-shields. I. B. Kleinert Rubber Company. Nos. 99,104-6; Aug. 18; Gaz. vol. 205; p. 1016.
- Dress-shields. I. B. Kleinert Rubber Company. Nos. 99,158-60; Aug. 18; Gaz. vol. 205; p. 1017.
- Dress-shields. I. B. Kleinert Rubber Company. No. 101,401; Dec. 8; Gaz. vol. 209; p. 680.
- Dress-shields. H. P. Rindskopf. Nos. 96,187-8; Apr. 7; Gaz. vol. 201; p. 264.
- Dress-shields. H. P. Rindskopf. No. 96,341; Apr. 14; Gaz. vol. 201; p. 566.
- Dresses. Schultz & Guthrie. No. 97,365; June 2; Gaz. vol. 203; p. 298.
- Dresses. Shapiro Bros. No. 94,950; Jan. 13; Gaz. vol. 198; p. 492.
- Dresses. Shapiro Bros. No. 100,634; Oct. 20; Gaz. vol. 207; p. 931.
- Dresses. J. W. Stone. No. 97,510; June 9; Gaz. vol. 203; p. 596.
- Dresses and costumes, Ladies' and misses'. Melville A. Gunst Costume Co. No. 99,459; Sept. 1; Gaz. vol. 206; p. 308.
- Dresses and negligées, House, maids', and nurses'. S. E. Badanes. No. 96,224; Apr. 14; Gaz. vol. 201; p. 563.
- Dresses and nurses' and waitresses' uniforms, Ladies' tub-. Henry A. Dix & Sons Company. No. 97,045; May 19; Gaz. vol. 202; p. 945.
- Dresses and outer skirts. Juda Brothers. No. 96,301; Apr. 14; Gaz. vol. 201; p. 565.
- Dresses and skirts, Ladies'. Newman Dress and Skirt Company. No. 100,995; Nov. 3; Gaz. vol. 208; p. 334.
- Dresses, Children's. Klauber Bros. & Company. No. 96,686; Apr. 28; Gaz. vol. 201; p. 1215.
- Dresses, Children's, juniors', and misses' fine. Vogue Dress Co. No. 97,513; June 9; Gaz. vol. 203; p. 596.
- Dresses, Infants' and children's. L. Wohl & Co. No. 97,383; June 2; Gaz. vol. 203; p. 299.
- Dresses, Infants' and children's. L. Wohl & Co. No. 97,517; June 9; Gaz. vol. 203; p. 597.
- Dresses, nurses' and waitresses' uniforms, Ladies' tub and house. Henry A. Dix & Sons Company. No. 99,087; Aug. 18; Gaz. vol. 205; p. 1015.
- Dresses, nurses' and waitresses' uniforms, Ladies' tub and house. Henry A. Dix & Sons Company. No. 100,292; Oct. 20; Gaz. vol. 207; p. 920.
- Dressings, Emergency. P. G. Paugh. No. 100,397; Oct. 20; Gaz. vol. 207; p. 924.
- Driers, Clay-products, lumber, &c. L. E. Rodgers. No. 101,422; Dec. 8; Gaz. vol. 209; p. 681.
- Driers, gloss finishes, and cut washers for ink ingredients. Feldenfeld Chemical Co. No. 95,897; Mar. 24; Gaz. vol. 200; p. 1110.
- Drill-chucks. Automatic Drill Chuck Corporation. No. 99,138; Aug. 18; Gaz. vol. 205; p. 1017.
- Drill-chucks. Narrangansett Machine Co. No. 95,843; Mar. 17; Gaz. vol. 200; p. 853.
- Drills, Air-feed hammer-. Ingersoll-Rand Company. No. 100,828; Oct. 27; Gaz. vol. 207; p. 1243.
- Drills and riveting and chipping hammers, Rotary. Ingersoll-Rand Company. No. 99,987; Sept. 29; Gaz. vol. 206; p. 1432.
- Drills, Fluid-operated hammer-. Ingersoll-Rand Company. No. 95,627; Mar. 3; Gaz. vol. 200; p. 274.
- Drills, Portable electrically-actuated. Aurora Automatic Machinery Company. No. 97,111; May 19; Gaz. vol. 202; p. 947.
- Drills, twist-drill bits, reamers, &c., Twist-. National Twist Drill & Tool Co. No. 101,448; Dec. 15; Gaz. vol. 209; p. 1049.
- Drilling. Wellington, Sears & Company. No. 98,907; Aug. 4; Gaz. vol. 205; p. 302.
- Drink, Mixed. E. Aldabó. No. 101,496; Dec. 22; Gaz. vol. 209; p. 1315.
- Drink, Non-intoxicating. J. C. Weller & J. L. Nally. No. 98,724; July 28; Gaz. vol. 204; p. 1342.
- Drink preparation, Hot-. J. S. Merrell Drug Co. No. 100,374; Oct. 20; Gaz. vol. 207; p. 923.
- Drink, Soft. Penrith-Akers Mfg. Co. No. 100,402; Oct. 20; Gaz. vol. 207; p. 924.
- Drinks, natural spring and synthetic mineral waters, Soft. The Hampshire Company. No. 101,384; Dec. 8; Gaz. vol. 209; p. 680.
- Drinking straws or tubes. A. Herz. No. 95,619; Mar. 3; Gaz. vol. 200; p. 274.
- Driving-belts, machine-belted, and woven machine-belted. Rossendale-Reddaway Belting & Hose Co. No. 97,797; June 16; Gaz. vol. 203; p. 925.
- Driving-belts, Woven-hair. Rossendale-Reddaway Belting & Hose Co. Nos. 96,048-9; Mar. 31; Gaz. vol. 200; p. 1387.
- Dry cells. National Carbon Company. No. 95,006; Jan. 20; Gaz. vol. 198; p. 700.
- Drying-cabinets. The Hill-Canton Dryer Company. No. 99,587; Sept. 8; Gaz. vol. 206; p. 584.
- Duck. Firm of A. O. Meyer. No. 98,882; Aug. 4; Gaz. vol. 205; p. 301.
- Duplicating apparatus. The Hektograph Mfg. & Duplicating Co. No. 98,517; July 21; Gaz. vol. 204; p. 1007.
- Duplicating-machines and parts thereof. The Writerpress Company. No. 95,971; Mar. 24; Gaz. vol. 200; p. 1112.
- Dusters and mops. Silver-Chamberlin Co. No. 95,949; Mar. 24; Gaz. vol. 200; p. 1111.
- Dye colors, dyes, and insecticides. Chemische Fabrik Schweinfurt Gesellschaft mit beschränkter Haftung. No. 97,950; June 30; Gaz. vol. 203; p. 1549.
- Dye stuff and colors. Badische Company. No. 96,854; May 5; Gaz. vol. 202; p. 311.
- Dyes for shoes, satchels, belts, &c., Liquid. E. J. Reilly. No. 101,009; Nov. 3; Gaz. vol. 208; p. 335.
- Dyed fabrics, Emollient for treating. The O. F. Zurn Co. No. 98,131; July 7; Gaz. vol. 204; p. 309.
- Dyeing and printing coloring-matters and chemicals. Badische Anilin- & Soda Fabrik. No. 96,853; May 5; Gaz. vol. 202; p. 311.
- Dyeing and printing preparation. Farbwerke vorm. Meister Lucius & Brüning. No. 95,311; Feb. 10; Gaz. vol. 199; p. 612.
- Dyeing-machines. Franklin Process Company. No. 94,900; Jan. 13; Gaz. vol. 198; p. 490.
- Dyeing, Non-shrinking compound for use in. F. S. Phillips. No. 101,005; Nov. 3; Gaz. vol. 208; p. 335.
- Dynamite. Hercules Powder Company. No. 95,099; Feb. 3; Gaz. vol. 199; p. 299.

Alphabetical list of trade-marks—Continued.

- Dynamite. Hercules Powder Company. No. 95,318; Feb. 10; Gaz. vol. 199; p. 612.
- Dynamite and gelatinous explosives, &c. Hercules Powder Company. Nos. 95,760-1; Mar. 10; Gaz. vol. 200; p. 578.
- Dyspepsia and constipation tablets. M. E. Robins. No. 96,461; Apr. 21; Gaz. vol. 201; p. 897.
- Dyspepsia and heartburn. G. H. Waltz. No. 95,809; Mar. 10; Gaz. vol. 200; p. 579.
- Ear-rings. C. F. Nesler. No. 94,822; Jan. 6; Gaz. vol. 198; p. 235.
- Eczema and skin eruptions. Dermin Mfg. Co. No. 98,753; Aug. 4; Gaz. vol. 205; p. 297.
- Edging-loop to hook or button with. J. S. Short. No. 97,730; June 16; Gaz. vol. 203; p. 923.
- Egg-preservative composition. H. C. Ferguson. No. 98,053; June 30; Gaz. vol. 203; p. 1552.
- Egg substitute. The Cabell Company. No. 95,886; Mar. 24; Gaz. vol. 200; p. 1109.
- Eggs. L. S. Bache. No. 99,189; Aug. 25; Gaz. vol. 205; p. 1315.
- Eggs. The Fox River Butter Company. No. 99,205; Aug. 25; Gaz. vol. 205; p. 1315.
- Eggs. The Great Atlantic and Pacific Tea Company. No. 97,730; May 19; Gaz. vol. 202; p. 948.
- Eggs. G. L. & W. L. Hager. No. 97,612; June 16; Gaz. vol. 203; p. 919.
- Eggs, and white and yolk of eggs. L. Prenzlau's Fabrikwerke. No. 98,893; Aug. 4; Gaz. vol. 205; p. 302.
- Eggs, dressed poultry, and butter. Fear-Campbell Company. No. 99,044; Aug. 11; Gaz. vol. 205; p. 659.
- Eggs, Hens'. Schermerhorn-Shotwell Company. No. 98,701; July 28; Gaz. vol. 204; p. 1341.
- Elastic textiles. J. Einstein, Inc. No. 99,089; Aug. 18; Gaz. vol. 205; p. 1015.
- Electric automatic time-switches. B. F. Flegel. No. 97,132; May 19; Gaz. vol. 202; p. 948.
- Electric batteries. National Carbon Company. Nos. 100,017-18; Sept. 29; Gaz. vol. 206; p. 1433.
- Electric batteries. National Carbon Company. No. 101,590; Dec. 29; Gaz. vol. 209; p. 1688.
- Electric batteries, flash-lights, &c. National Carbon Company. No. 100,139; Oct. 6; Gaz. vol. 207; p. 295.
- Electric generators and transformers, motors, switchboards, fuses, &c. Kabushiki Kaisha Shibaura Seisakujo. No. 95,918; Mar. 24; Gaz. vol. 200; p. 1110.
- Electric-light-shade holders. The Bryant Electric Company. No. 101,455; Dec. 15; Gaz. vol. 209; p. 1049.
- Electric lights. T. P. Driver. No. 101,372; Dec. 8; Gaz. vol. 209; p. 679.
- Electric-lighting apparatus for vehicles, lighting dynamos, &c. J. Bethenod. No. 100,948; Nov. 3; Gaz. vol. 208; p. 333.
- Electric-lighting fixtures. The Horn & Brannen Mfg. Co. No. 99,983; Sept. 29; Gaz. vol. 206; p. 1432.
- Electric meters and printing and indicating attachments therefor. Chicago Electric Meter Company. No. 97,322; June 2; Gaz. vol. 203; p. 297.
- Electric motors and generators and dynamo-machines. Junghanns & Kolosche. No. 98,159; July 7; Gaz. vol. 204; p. 310.
- Electric motors, generators, converters, &c. Wagner Electric Manufacturing Company. No. 100,185; Oct. 6; Gaz. vol. 207; p. 296.
- Electric power to domestic utensils, Apparatus and attachment for application of. American Shearer Mfg. Co. No. 94,973; Jan. 20; Gaz. vol. 198; p. 699.
- Electric transformers. E. P. Maurer. No. 99,480; Sept. 1; Gaz. vol. 206; p. 309.
- Electric vaporizers. Sanitary Manufacturing Company. No. 101,331; Nov. 24; Gaz. vol. 208; p. 1353.
- Electric vaporizers, heaters, and spark-plugs. Arnold Electric Company. No. 96,481; Apr. 21; Gaz. vol. 201; p. 898.
- Electric-wiring cleats. E. W. Buffinton. No. 98,999; Aug. 11; Gaz. vol. 205; p. 657.
- Electrical and galvanic carbons. C. Conradty. No. 99,284; Aug. 25; Gaz. vol. 205; p. 1317.
- Electrical and galvanic carbons. C. Conradty. No. 100,769; Oct. 27; Gaz. vol. 207; p. 1242.
- Electrical apparatus and supplies. Charleston Electrical Supply Co. No. 97,678; June 16; Gaz. vol. 203; p. 921.
- Electrical apparatus and supplies. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 98,500; July 21; Gaz. vol. 204; p. 1006.
- Electrical apparatus and supplies, Certain named. Daimler-Motoren-Gesellschaft. No. 100,779; Oct. 27; Gaz. vol. 207; p. 1242.
- Electrical apparatus and supplies, Certain named. Ehrich & Graetz. No. 100,965; Nov. 3; Gaz. vol. 208; p. 333.
- Electrical apparatus and supplies, Certain named. Federal Sign System (Electric). No. 99,295; Aug. 25; Gaz. vol. 205; p. 1318.
- Electrical apparatus and supplies, Certain named. H. W. Johns-Manville Co. No. 101,581; Dec. 29; Gaz. vol. 209; p. 1687.
- Electrical apparatus and supplies, Certain named. Siemens Gebrüder & Company. No. 99,181; Aug. 18; Gaz. vol. 205; p. 1018.
- Electrical apparatus, Certain named. Electro Importing Co. No. 94,990; Jan. 20; Gaz. vol. 198; p. 699.
- Electrical apparatus, machines, and tools, Certain named. Allmänna Svenska Elektriska Aktiebolaget. No. 97,307; June 2; Gaz. vol. 203; p. 297.
- Electrical batteries. National Carbon Company. No. 100,016; Sept. 29; Gaz. vol. 206; p. 1433.
- Electrical coils, Machines for coiling wire in the manufacture of. Universal Winding Company. No. 96,921; May 5; Gaz. vol. 202; p. 313.
- Electrical connectors and spark-plugs. Smith & Hemenway Company. No. 97,733; June 16; Gaz. vol. 203; p. 923.
- Electrical dynamos, motors, &c. Splitdorf Electrical Company. No. 99,509; Sept. 1; Gaz. vol. 206; p. 310.
- Electrical fuses. Monarch Refillable Fuse Co. No. 97,261; May 26; Gaz. vol. 202; p. 1255.
- Electrical fuses. Schweitzer and Conrad. No. 98,898; Aug. 4; Gaz. vol. 205; p. 302.
- Electrical horns. The Fitzgerald Mfg. Co. Nos. 100,790-1; Oct. 27; Gaz. vol. 207; p. 1242.
- Electrical insulating-tape. The Mechanical Rubber Company. No. 100,135; Oct. 6; Gaz. vol. 207; p. 295.
- Electrical rectifiers. M. P. Fox. No. 100,794; Oct. 27; Gaz. vol. 207; p. 1242.
- Electrical supplies, Certain named. Imperial Rubber Co. No. 99,985; Sept. 29; Gaz. vol. 206; p. 1432.
- Electrical supplies, Certain named. Multi Refillable Fuse Company. No. 101,311; Nov. 24; Gaz. vol. 208; p. 1352.
- Electrically heating, heated, cooking utensils, &c., Certain named. Hotpoint Electric Heating Company. No. 95,624; Mar. 3; Gaz. vol. 200; p. 274.
- Electricity-metering apparatus. Chicago Electric Meter Company. No. 98,480; July 21; Gaz. vol. 204; p. 1006.
- Electrolytic cells. Chloride Process Company. No. 101,365; Dec. 8; Gaz. vol. 209; p. 679.
- Elevators and dumb-waiters, electric motors, &c., Electrically-operated. G. K. Mitchell. No. 100,009; Sept. 29; Gaz. vol. 206; p. 1433.
- Embroideries. Hunt & Van Nice. No. 96,137; Apr. 7; Gaz. vol. 201; p. 262.
- Embroideries and pillow-tops. A. Brill. No. 95,818; Mar. 17; Gaz. vol. 200; p. 353.
- Embroidery. H. Richter. No. 100,623; Oct. 20; Gaz. vol. 207; p. 930.
- Embroidery, Fiber forms used in. C. H. Crowley. No. 95,820; Mar. 17; Gaz. vol. 200; p. 853.
- Embroidery, knitting and crochet materials, and sewing-silks, Certain named. F. A. Patrick. No. 100,396; Oct. 20; Gaz. vol. 207; p. 924.
- Embroidery outfits. Fishel & Gorman. No. 95,210; Feb. 3; Gaz. vol. 199; p. 302.
- Emulsion of port-wine and olive-oil. F. Koref & Company. No. 99,756; Sept. 15; Gaz. vol. 206; p. 871.
- Emulsion, Petroleum. Patterson Drug Co. No. 96,990; May 12; Gaz. vol. 202; p. 629.
- Enamel. Samuel Cabot, Inc. No. 96,099; Apr. 7; Gaz. vol. 201; p. 261.
- Enamel, Ceramic. The Baltimore Enamel & Novelty Company. No. 100,192; Oct. 13; Gaz. vol. 207; p. 605.
- Enamel paint. The Japanol Enamel Company. No. 99,155; Aug. 18; Gaz. vol. 205; p. 1017.
- Enamels, paints, varnishes, and varnish-removers. Standard Varnish Works. No. 99,183; Aug. 18; Gaz. vol. 205; p. 1018.
- Enamels, paints, varnishes, and varnish-removers. Valentine & Company. No. 97,293; May 26; Gaz. vol. 202; p. 1256.
- Enamels, stains, and carriage-colors. Gerstendorfer Bros. No. 98,947; Aug. 11; Gaz. vol. 205; p. 656.
- Enamels, undercoatings, and paints. Valentine & Company. No. 100,919; Oct. 27; Gaz. vol. 207; p. 1246.
- Enameled kitchen-ware. The Enterprise Enamel Co. No. 95,612; Mar. 3; Gaz. vol. 200; p. 273.
- Enameled, steel, or iron ware. Hibbard, Spencer, Bartlett & Co. No. 98,660; July 28; Gaz. vol. 204; p. 1340.
- Enameled ware. Geo. Borgfeldt & Co. No. 95,881; Mar. 24; Gaz. vol. 200; p. 1109.
- Enameled ware. Geo. Borgfeldt & Co. No. 97,117; May 19; Gaz. vol. 202; p. 947.
- Enameled ware. C. E. Wheelock & Co. No. 96,073; Mar. 31; Gaz. vol. 200; p. 1388.
- Enema. J. M. Munyon. No. 100,383; Oct. 20; Gaz. vol. 207; p. 923.
- Engine-governors. B. G. Kramer. No. 97,148; May 19; Gaz. vol. 202; p. 948.
- Engine priming devices and cranking mechanism, carbureters, Internal-combustion. Daimler-Motoren-Gesellschaft. No. 100,958; Nov. 3; Gaz. vol. 208; p. 333.
- Engines and certain named machinery and parts thereof, Certain. Falls Machine Company. No. 96,876; May 5; Gaz. vol. 202; p. 312.
- Engines and parts thereof, Internal-combustion. International Harvester Corporation. No. 95,108; Feb. 3; Gaz. vol. 199; p. 299.
- Engines and parts thereof, Internal-combustion. International Harvester Corporation. Nos. 96,018-19; Mar. 31; Gaz. vol. 200; p. 1386.

Alphabetical list of trade-marks—Continued.

- Engines and parts thereof, Internal-combustion. International Harvester Corporation. Nos. 97,243—5; May 26; Gaz. vol. 202; p. 1254.
- Engines and parts thereof, Internal-combustion. International Harvester Corporation. No. 99,749; Sept. 15; Gaz. vol. 206; p. 871.
- Engines and the like, Parts of. The Metallic Packing & Manufacturing Co. No. 94,921; Jan. 13; Gaz. vol. 198; p. 491.
- Engines, casings for engines or motors, carbureters, &c., Internal-combustion. Societe des Anciens Etablissements Grouvelle et Arguembourg (J. Grouvelle, H. Arguembourg et Cie.). No. 97,179; May 19; Gaz. vol. 202; p. 949.
- Engines, Composition to remove carbonaceous deposits from internal-combustion. E. R. Bule. No. 99,942; Sept. 29; Gaz. vol. 206; p. 1431.
- Engines, Contact-makers for the sparking circuits of internal-combustion. A. A. Kent. No. 97,060; May 19; Gaz. vol. 202; p. 946.
- Engines, Fluid-driven. Buffalo Forge Co. No. 97,523; June 9; Gaz. vol. 203; p. 597.
- Engines, Gas-. Continental Motor Mfg. Co. No. 100,771; Oct. 27; Gaz. vol. 207; p. 1242.
- Engines, Gas, gasolene, and kerosene. De Laval Dairy Supply Company. No. 96,651; Apr. 28; Gaz. vol. 201; p. 1214.
- Engines, Gas or gasolene. Union Gas Engine Company. No. 98,221; July 7; Gaz. vol. 204; p. 312.
- Engines, Gasolene pumping-. Fuller and Johnson Manufacturing Company. No. 99,969; Sept. 29; Gaz. vol. 206; p. 1432.
- Engines, Hydrocarbon-. Carlyle Johnson Machine Co. No. 100,092; Oct. 6; Gaz. vol. 207; p. 293.
- Engines, Internal-combustion. The Goby Engine Company. No. 97,136; May 19; Gaz. vol. 202; p. 948.
- Engines, Internal-combustion. Leader Iron Works. No. 95,441; Feb. 17; Gaz. vol. 199; p. 934.
- Engines, Steam-. The Skinner Engine Company. No. 96,544; Apr. 21; Gaz. vol. 201; p. 899.
- Engines, tools, machinery, and parts thereof. Daimler-Motoren-Gesellschaft. No. 100,960; Nov. 3; Gaz. vol. 208; p. 333.
- Engines, Vitalizing compound to be added to the gasolene used in internal-combustion. Motor-Tonic Company. No. 98,071; June 30; Gaz. vol. 203; p. 1553.
- Engineers' and surveyors' supplies. Field and highway. Chicago Steel Tape Company. No. 97,214; May 26; Gaz. vol. 202; p. 1253.
- Envelops. C. J. Cohen & Son. No. 95,063; Feb. 3; Gaz. vol. 199; p. 297.
- Envelops. H. Trenchard, Jr. No. 99,817; Sept. 15; Gaz. vol. 206; p. 873.
- Envelops. 2-B-Tween Envelope Co. No. 98,592; July 21; Gaz. vol. 204; p. 1009.
- Envelops and writing and printing paper. New England Envelope Company. No. 96,598; Apr. 21; Gaz. vol. 201; p. 901.
- Envelops, Bandless expanding. The Smead Manufacturing Company. No. 95,163; Feb. 3; Gaz. vol. 199; p. 300.
- Enzymes or ferments compound for the conversion of food-assimilable products. E. S. Holt Company—Manufacturing Pharmacists. No. 100,551; Oct. 20; Gaz. vol. 207; p. 928.
- Essences, oils, and flavors. H. Kohnstamm & Co. No. 100,841; Oct. 27; Gaz. vol. 207; p. 1244.
- Evaporating and sugaring-off pans. The Leader Evaporator Company. No. 100,128; Oct. 6; Gaz. vol. 207; p. 294.
- Evaporators, pans, and bucket-covers. True & Blanchard Co. No. 99,186; Aug. 18; Gaz. vol. 205; p. 1018.
- Exercising apparatus, Children's. J. A. Kirkham. No. 97,863; June 23; Gaz. vol. 203; p. 1256.
- Exhausters, cookers, and coolers used in canning. Baker-Shippee Manufacturing Co. No. 100,078; Oct. 6; Gaz. vol. 207; p. 293.
- Explosive and inflammable fluids, Safety-containers for. McNutt Non Explosive Can Co. No. 95,647; Mar. 3; Gaz. vol. 200; p. 274.
- Explosive and inflammable fluids, Safety-containers for. McNutt Non-Explosive Can Co. No. 97,066; May 19; Gaz. vol. 202; p. 946.
- Explosives and equipments, Certain named. L. Cahde. No. 97,677; June 16; Gaz. vol. 203; p. 921.
- Explosives, High. Hercules Powder Company. No. 99,462; Sept. 1; Gaz. vol. 206; p. 308.
- Extenders, forms, supporters, &c., Certain named. The Spirella Company. No. 95,792; Mar. 10; Gaz. vol. 200; p. 579.
- Extenders, forms, supporters, &c., Certain named. The Spirella Company. No. 95,794; Mar. 10; Gaz. vol. 200; p. 579.
- Extracts and washes for external use, Liquid. Jaynes Drug Co. No. 101,293; Nov. 24; Gaz. vol. 208; p. 1352.
- Extracts, &c., used in soda-water and carbonated beverages. Astra Products Co. No. 99,135; Aug. 18; Gaz. vol. 205; p. 1017.
- Eye-protectors. F. A. Hardy & Company. No. 99,980; Sept. 29; Gaz. vol. 206; p. 1432.
- Eye-salve and eye-water. Howard Bros. Chemical Co. No. 95,543; Feb. 24; Gaz. vol. 199; p. 1240.
- Eye-water. T. V. Moreau Company. No. 100,587; Oct. 20; Gaz. vol. 207; p. 929.
- Eyeglass-mountings. E. Kirstein Sons Company. No. 96,305; Apr. 14; Gaz. vol. 201; p. 565.
- Eyeglass-polish. G. E. Eckert. No. 99,862; Sept. 22; Gaz. vol. 206; p. 1157.
- Eyeglass-reels. Geo. S. Johnston Company. No. 98,533; July 21; Gaz. vol. 204; p. 1007.
- Eyeglasses and spectacles. The F. W. King Optical Company. No. 99,992; Sept. 29; Gaz. vol. 206; p. 1432.
- Eyeglasses, spectacles, lenses, frames, &c. American Optical Company. No. 96,626; Apr. 28; Gaz. vol. 201; p. 1213.
- Eyelets, Metallic. Edwin B. Stimpson Company. No. 99,368; Aug. 25; Gaz. vol. 205; p. 1320.
- Fabric, Colored, stiffened, and finished. The Holliston Mills. No. 99,464; Sept. 1; Gaz. vol. 206; p. 308.
- Fabrics, Certain named textile. Crompton Company. No. 98,253; July 7; Gaz. vol. 204; p. 313.
- Fabrics, Certain named textile. Faulkner & Colony Manufg. Co. No. 98,864; Aug. 4; Gaz. vol. 205; p. 301.
- Fabrics, Certain named textile. G. J. Geer. No. 97,693; June 16; Gaz. vol. 203; p. 922.
- Fabrics, Certain named textile. The Glencoe Mills. No. 97,049; May 19; Gaz. vol. 202; p. 945.
- Fabrics, Certain named textile. F. A. Patrick & Co. No. 100,606; Oct. 20; Gaz. vol. 207; p. 930.
- Fabrics, Certain named textile. F. Rosenstern & Co. No. 100,419; Oct. 20; Gaz. vol. 207; p. 924.
- Fabrics, Certain named textile. S. Slater & Sons. No. 96,915; May 5; Gaz. vol. 202; p. 313.
- Fabrics, Certain named textile. The Saxton Woolen Corp. No. 97,081; May 19; Gaz. vol. 202; p. 946.
- Fabrics in the piece, Certain named textile. E. C. Carter and Son. No. 96,101; Apr. 7; Gaz. vol. 201; p. 261.
- Fabrics known as piece goods, Certain named textile. Les Fils de L. Jarrosson. No. 100,362; Oct. 20; Gaz. vol. 207; p. 923.
- Fabrics, Pile. Worumbo Manufacturing Company. No. 97,195; May 19; Gaz. vol. 202; p. 950.
- Fabrics, plushes, and velvets, Pile. A. Wimpfheimer & Bro. No. 97,303; May 26; Gaz. vol. 202; p. 1256.
- Fabrics, Pyroxylin-coated. Roll Fabric Company. No. 101,533; Dec. 22; Gaz. vol. 209; p. 1314.
- Fabrics, Textile. Société Rodier. Nos. 101,540—1; Dec. 22; Gaz. vol. 209; p. 1314.
- Facial enamel. A. M. Emery. No. 96,874; May 5; Gaz. vol. 202; p. 312.
- Fancy goods and notions, Certain named. Geo. Borgfeldt & Co. No. 97,036; May 19; Gaz. vol. 202; p. 945.
- Fancy goods, furnishings, &c., not of precious metal. The Spirella Company. No. 97,178; May 19; Gaz. vol. 202; p. 949.
- Fanning-mills, grain-separators, and grain and seed cleaning machines. Hirsch Brothers. No. 94,994; Jan. 20; Gaz. vol. 198; p. 699.
- Fans, Exhaust-. The De Vilbiss Manufacturing Company. No. 96,653; Apr. 28; Gaz. vol. 201; p. 1214.
- Farinaceous compound with fruit flavorings. Fruit Puddine Co. No. 99,574; Sept. 8; Gaz. vol. 206; p. 584.
- Farinaceous compound with fruit flavorings. The Fruit Puddine Co. No. 100,701; Oct. 20; Gaz. vol. 207; p. 933.
- Fats and oils, Edible. The N. K. Fairbank Company. No. 98,376; July 14; Gaz. vol. 204; p. 669.
- Feather trimming. Royal Embroidery Works, Naday & Fleischer. No. 97,726; June 16; Gaz. vol. 203; p. 923.
- Feathers. Regina Feather Company. No. 94,830; Jan. 6; Gaz. vol. 198; p. 236.
- Feathers, plumes, &c., Artificial and fancy. E. Eisemann & Co. Nos. 99,448—9; Sept. 1; Gaz. vol. 206; p. 308.
- Featherbone. J. W. Schloss. No. 94,947; Jan. 13; Gaz. vol. 198; p. 492.
- Feed and bran, Mixed. Moseley & Motley Milling Co. No. 101,524; Dec. 22; Gaz. vol. 209; p. 1313.
- Feed and fodder cutters, Ensilage. M. Rumely Company. No. 95,152; Feb. 3; Gaz. vol. 199; p. 300.
- Feed composed of certain named grains. Federal Milling Company. No. 98,653; July 28; Gaz. vol. 204; p. 1340.
- Feed for dairy-cattle, Mixed. The Larowe Milling Co. No. 98,296; July 7; Gaz. vol. 204; p. 314.
- Feed for horses and mules. G. B. Matthews & Sons. No. 96,439; Apr. 21; Gaz. vol. 201; p. 896.
- Feed for horses, mules, and cattle, Molasses. J. T. Gibbons. No. 95,617; Mar. 3; Gaz. vol. 200; p. 274.
- Feed for live stock and poultry. D. D. Metcalf. No. 95,457; Feb. 17; Gaz. vol. 199; p. 935.
- Feed, Hominy. H. Freudenthal. No. 96,580; Apr. 21; Gaz. vol. 201; p. 900.
- Feed, Horse and cattle. Josey-Miller Co. Nos. 100,832—3; Oct. 27; Gaz. vol. 207; p. 1243.
- Feed-meal for horses, mules, and cows. Empire Cotton Oil Company. No. 100,107; Oct. 6; Gaz. vol. 207; p. 294.
- Feed, middlings, and cracked corn. Tioga Mill & Elevator Company. No. 99,666; Sept. 8; Gaz. vol. 206; p. 587.
- Feed, Mill. Ballard & Ballard Co. No. 94,865; Jan. 13; Gaz. vol. 198; p. 489.

Alphabetical list of trade-marks—Continued.

- Feed, Poultry. J. J. Badenoch Co. No. 98,115; July 7; Gaz. vol. 204; p. 309.
- Feed, Poultry. Josey-Miller Co. No. 100,831; Oct. 27; Gaz. vol. 207; p. 1243.
- Feed, Stock. Gulfport Grocery Co. No. 100,805; Oct. 27; Gaz. vol. 207; p. 1243.
- Feed, Stock. National Starch Co. No. 98,962; Aug. 11; Gaz. vol. 205; p. 656.
- Feed, Stock and poultry. Alfocorn Milling Company. No. 97,197; May 26; Gaz. vol. 202; p. 1253.
- Feeds made from wheat, corn, and oats. Federal Milling Company. No. 100,789; Oct. 27; Gaz. vol. 207; p. 1242.
- Feeds, Poultry. Chas. M. Cox Co. No. 100,516; Oct. 20; Gaz. vol. 207; p. 927.
- Feeds, Poultry and stock. Chas. M. Cox Co. No. 100,284; Oct. 20; Gaz. vol. 207; p. 920.
- Feedstuff for animals. Elba Manufacturing Company. No. 94,892; Jan. 13; Gaz. vol. 198; p. 490.
- Felt, building-paper, roofing-felt, &c., Deadening-General Roofing Manufacturing Company. No. 100,973; Nov. 3; Gaz. vol. 208; p. 334.
- Felts. The Felters Company. Nos. 99,296-7; Aug. 25; Gaz. vol. 205; p. 1318.
- Felts. The Felters Company. No. 100,112; Oct. 6; Gaz. vol. 207; p. 294.
- Fence, Wire. Keystone Steel & Wire Company. No. 97,542; June 9; Gaz. vol. 203; p. 597.
- Fences and gates, trellis, &c., Ornamental lawn. Cyclone Fence Company. No. 100,957; Nov. 3; Gaz. vol. 208; p. 333.
- Fencing, gates, and fence-posts, Metal. Dwiggins Wire Fence Company. No. 100,106; Oct. 6; Gaz. vol. 207; p. 294.
- Fencing, Metal. Pittsburgh Steel Co. No. 97,170; May 19; Gaz. vol. 202; p. 949.
- Fencing, Metal. Tiger Fence & Machine Company. No. 98,716; July 28; Gaz. vol. 204; p. 1342.
- Fertilizer. American Agricultural Chemical Co. Nos. 95,036-7; Feb. 3; Gaz. vol. 199; p. 297.
- Fertilizer. American Agricultural Chemical Company. No. 95,507; Feb. 24; Gaz. vol. 199; p. 1239.
- Fertilizer. American Agricultural Chemical Co. No. 99,415; Sept. 1; Gaz. vol. 206; p. 307.
- Fertilizer. American Agricultural Chemical Co. No. 99,678; Sept. 15; Gaz. vol. 206; p. 869.
- Fertilizers. American Agricultural Chemical Co. No. 101,454; Dec. 15; Gaz. vol. 209; p. 1049.
- Fertilizer. The Cumberland Fertilizer Co. No. 94,886; Jan. 13; Gaz. vol. 198; p. 490.
- Fertilizer. Foreign Products Company. No. 96,801; May 5; Gaz. vol. 202; p. 310.
- Fertilizer. R. W. Gamble. No. 97,233; May 26; Gaz. vol. 202; p. 1254.
- Fertilizer. Listers Agricultural Chemical Works. No. 101,469; Dec. 15; Gaz. vol. 209; p. 1050.
- Fertilizer. Norsk Hydro-Elektrisk Kvaestofaktieselskab. No. 100,875; Oct. 27; Gaz. vol. 207; p. 1245.
- Fertilizer. Pacific Bone Coal & Fertilizing Co. No. 96,534; Apr. 21; Gaz. vol. 201; p. 899.
- Fertilizer. Pacific Bone Coal & Fertilizing Co. No. 98,079; June 30; Gaz. vol. 203; p. 1553.
- Fertilizer. The Robert A. Wooldridge Co. No. 95,187; Feb. 3; Gaz. vol. 199; p. 301.
- Fertilizer and worm and weed killer, Combination. The Coe-Mortimer Company. No. 100,509; Oct. 20; Gaz. vol. 207; p. 927.
- Fertilizer, chemical drier. Cobb County Chemical Mining Co. No. 99,697; Sept. 15; Gaz. vol. 206; p. 869.
- Fertilizer-distributors, plows, and planters. Hartsville Implement Co. No. 96,287; Apr. 14; Gaz. vol. 201; p. 565.
- Fertilizer material. American Cyanamid Company. No. 100,232; Oct. 20; Gaz. vol. 207; p. 919.
- Fertilizer, Special plant. Mt. Pleasant Fertilizer Co. No. 98,072; June 30; Gaz. vol. 203; p. 1553.
- Fertilizers. American Agricultural Chemical Co. No. 98,732; Aug. 4; Gaz. vol. 205; p. 297.
- Fertilizers. American Agricultural Chemical Co. No. 100,476; Oct. 20; Gaz. vol. 207; p. 926.
- Fertilizers. Arkansas Fertilizer Co. No. 96,928; May 12; Gaz. vol. 202; p. 627.
- Fertilizers. The Atlantic Chemical Corporation. Nos. 98,919-20; Aug. 11; Gaz. vol. 205; p. 655.
- Fertilizers. The Atlantic Chemical Corporation. No. 99,136; Aug. 18; Gaz. vol. 205; p. 1017.
- Fertilizers. The Atlantic Chemical Corporation. Nos. 99,417-18; Sept. 1; Gaz. vol. 206; p. 307.
- Fertilizers. The Atlantic Chemical Corporation. No. 99,533; Sept. 8; Gaz. vol. 206; p. 583.
- Fertilizers. The Atlantic Chemical Corporation. No. 100,242; Oct. 20; Gaz. vol. 207; p. 919.
- Fertilizers. Beatey's Unadulterated Agricultural Phosphate Company of New England. No. 100,250; Oct. 20; Gaz. vol. 207; p. 919.
- Fertilizers. Bowker Fertilizer Co. No. 97,208; May 26; Gaz. vol. 202; p. 1253.
- Fertilizers. Columbia Guano Co. Nos. 98,926-34; Aug. 11; Gaz. vol. 205; p. 655.
- Fertilizers. Columbia Guano Co. Nos. 99,552-6; Sept. 8; Gaz. vol. 206; p. 583.
- Fertilizers. Empire Cotton Mill Co. No. 100,699; Oct. 20; Gaz. vol. 207; p. 930.
- Fertilizers. Frederick Ludlam Co. Nos. 98,300-1; July 7; Gaz. vol. 204; p. 314.
- Fertilizers. T. P. Lippitt. Nos. 101,520-1; Dec. 22; Gaz. vol. 209; p. 1313.
- Fertilizers. Pacific Bone Coal & Fertilizing Co. No. 95,141; Feb. 3; Gaz. vol. 199; p. 300.
- Fertilizers. The Pacific Guano & Fertilizer Co. Nos. 96,328-9; Apr. 14; Gaz. vol. 201; p. 566.
- Fertilizers. Patapsco Guano Company. No. 95,345; Feb. 10; Gaz. vol. 199; p. 613.
- Fertilizers. F. S. Royster Guano Co. Nos. 98,969-83; Aug. 11; Gaz. vol. 205; pp. 656-7.
- Fertilizers. F. S. Royster Guano Co. No. 99,067; Aug. 11; Gaz. vol. 205; p. 659.
- Fertilizers. F. S. Royster Guano Co. Nos. 99,122-3; Aug. 18; Gaz. vol. 205; p. 1016.
- Fertilizers. F. S. Royster Guano Co. Nos. 99,177-8; Aug. 18; Gaz. vol. 205; p. 1018.
- Fertilizers. F. S. Royster Guano Co. No. 99,500; Sept. 1; Gaz. vol. 206; p. 309.
- Fertilizers. F. S. Royster Guano Co. Nos. 99,637-45; Sept. 8; Gaz. vol. 206; p. 586.
- Fertilizers. F. S. Royster Guano Co. Nos. 99,791-3; Sept. 15; Gaz. vol. 206; p. 872.
- Fertilizers. F. S. Royster Guano Co. Nos. 100,421-3; Oct. 20; Gaz. vol. 207; p. 924.
- Fertilizers. F. S. Royster Guano Co. No. 100,627; Oct. 20; Gaz. vol. 207; p. 930.
- Fertilizers. Stockholms Superfosfat Fabriks Aktiebolag. No. 101,018; Nov. 3; Gaz. vol. 208; p. 335.
- Fertilizers. The Robert A. Wooldridge Company. No. 99,673; Sept. 8; Gaz. vol. 206; p. 587.
- Fertilizers. Wilson & Toomer Fertilizer Company. No. 101,064; Nov. 10; Gaz. vol. 208; p. 652.
- Figs. Guggenlime & Company. No. 99,206; Aug. 25; Gaz. vol. 205; p. 1315.
- Files. Vixen Tool Company. No. 100,183; Oct. 6; Gaz. vol. 207; p. 296.
- Files and rasps. Elsässische Werkzeugfabrik Zornhoff vormals Goldenberg & Co. No. 96,873; May 5; Gaz. vol. 202; p. 312.
- Files and rasps. Nicholson File Company. No. 101,408; Dec. 8; Gaz. vol. 209; p. 680.
- Filing-cases, Metallic. The General Fireproofing Co. No. 101,513; Dec. 22; Gaz. vol. 209; p. 1313.
- Filter masse. Charles Zoller Co. No. 98,609; July 21; Gaz. vol. 204; p. 1009.
- Filter-pulp. E. M. Blumenthal. No. 97,388; June 2; Gaz. vol. 203; p. 299.
- Filters for purifying feed-water. The Griscom Russell Company. No. 101,381; Dec. 8; Gaz. vol. 209; p. 680.
- Finish, mixed paint, &c., Fender. Hibbard, Spencer, Bartlett & Co. No. 99,308; Aug. 25; Gaz. vol. 205; p. 1318.
- Fire-extinguisher. T. F. Russell. No. 97,444; June 2; Gaz. vol. 203; p. 301.
- Fire-extinguishers. Fyro Extinguisher Company. No. 95,421; Feb. 17; Gaz. vol. 199; p. 934.
- Fire-extinguishers, Hand. Richmond Chemical Co. No. 98,895; Aug. 4; Gaz. vol. 205; p. 302.
- Fire-extinguishers, Portable. Knight & Thomas. No. 97,865; June 23; Gaz. vol. 203; p. 1257.
- Fire-extinguishing compounds. Pyrene Manufacturing Co. No. 98,812; Aug. 4; Gaz. vol. 205; p. 299.
- Fire-extinguishing fluid. H. Merritt. No. 96,901; May 5; Gaz. vol. 202; p. 313.
- Firecrackers. The National Fireworks Distributing Company. No. 96,821; May 5; Gaz. vol. 202; p. 310.
- Fireproof textiles. Fulton Bag & Cotton Mills. No. 95,755; Mar. 10; Gaz. vol. 200; p. 578.
- Fireproofing any inflammable textile, Liquid composition for. H. W. Johns-Manville Co. No. 95,831; Mar. 17; Gaz. vol. 200; p. 853.
- Fireworks. Consolidated Fire Works Company of America. No. 96,108; Apr. 7; Gaz. vol. 201; p. 262.
- Fireworks. Consolidated Fire Works Company of America. No. 99,285; Aug. 25; Gaz. vol. 205; p. 1317.
- Fireworks. Detweller & Street Fireworks Manufacturing Company. No. 97,603; June 16; Gaz. vol. 203; p. 919.
- Fireworks. Detweller & Street Fireworks Manufacturing Company. No. 98,045; June 30; Gaz. vol. 203; p. 1552.
- Fireworks. E. H. Wagner. No. 100,457; Oct. 20; Gaz. vol. 207; p. 925.
- First-aid cases. Johnson & Johnson. No. 98,057; June 30; Gaz. vol. 203; p. 1552.
- Fish. Armour & Company. No. 99,034; Aug. 11; Gaz. vol. 205; p. 658.
- Fish. Charles F. Nattlage & Sons. No. 100,858; Oct. 27; Gaz. vol. 207; p. 1244.
- Fish products, Preserved. R. Barvier. No. 96,389; Apr. 21; Gaz. vol. 201; p. 895.
- Fish, Smoked. Neptune Packing Co. No. 95,649; Mar. 3; Gaz. vol. 200; p. 274.
- Fish-tongs. J. Wiesenfeld. No. 100,733; Oct. 20; Gaz. vol. 207; p. 934.
- Fishing-bait, Artificial. The Enterprise Manufacturing Company. Nos. 98,758-9; Aug. 4; Gaz. vol. 205; p. 298.

Alphabetical list of trade-marks—Continued.

- Fishing-spoons. Schwabacher Hardware Co. No. 96,053; Mar. 31; Gaz. vol. 200; p. 1387.
- Fishing-tackle. Dame Stoddard Co. No. 97,404; June 2; Gaz. vol. 203; p. 300.
- Fishing-tackle. H. J. Frost & Company. No. 95,536; Feb. 24; Gaz. vol. 199; p. 1240.
- Flannel in the piece. Robe. Beacon Manufacturing Co. No. 99,539; Sept. 8; Gaz. vol. 206; p. 583.
- Flannel piece goods. F. Doble & Sons. No. 99,444; Sept. 1; Gaz. vol. 206; p. 308.
- Flasks and bottles, Glass. The Schuster Company. No. 96,350; Apr. 14; Gaz. vol. 201; p. 567.
- Flavoring extract for non-alcoholic beverages, &c. The Lehman-Rosenfeld Co. No. 95,920; Mar. 24; Gaz. vol. 200; p. 1110.
- Flavoring extract for non-alcoholic beverages. Postum Cereal Co. No. 95,347; Feb. 10; Gaz. vol. 199; p. 613.
- Flavoring extracts for foods. The Arthur Chemical Co. No. 96,387; Apr. 21; Gaz. vol. 201; p. 895.
- Flavoring extracts for foods. Arthur Chemical Co. No. 98,111; July 7; Gaz. vol. 204; p. 309.
- Flavoring extracts for foods. F. R. Bennett. No. 94,867; Jan. 13; Gaz. vol. 198; p. 489.
- Flavoring extracts for foods. B. Heller & Co. No. 100,819; Oct. 27; Gaz. vol. 207; p. 1243.
- Flavoring extracts for foods. A. M. Leine. No. 95,221; Feb. 3; Gaz. vol. 199; p. 302.
- Flavoring extracts for foods. Price Flavoring Extract Company. No. 99,783; Sept. 15; Gaz. vol. 206; p. 872.
- Flavoring extracts for foods. Vaughn-Crutchfield Co. No. 97,093; May 19; Gaz. vol. 202; p. 947.
- Flavoring extracts for foods and tea. The Heekin Spice Company. No. 98,872; Aug. 4; Gaz. vol. 205; p. 301.
- Flavoring extracts, ice-cream, and flavorings therefor. Sethness Company. No. 101,223; Nov. 17; Gaz. vol. 208; p. 982.
- Flavoring for ice-cream and other confections and food products. Rex Extract Company. No. 98,421; July 14; Gaz. vol. 204; p. 671.
- Flavoring material for foods. Postum Cereal Company. No. 94,933; Jan. 13; Gaz. vol. 198; p. 491.
- Flavors and flavoring extracts for beverages, Artificial. P. R. De Vore. No. 98,257; July 7; Gaz. vol. 304; p. 313.
- Flavors for foods, Fruit. McMonagle & Rogers. No. 98,679; July 28; Gaz. vol. 204; p. 1341.
- Floor polish or finish. E. A. Bromund. No. 94,878; Jan. 13; Gaz. vol. 198; p. 490.
- Flooring, Non-metallic. David E. Kennedy. No. 100,344; Oct. 20; Gaz. vol. 207; p. 922.
- Flour. B. Beebe. No. 96,091; Apr. 7; Gaz. vol. 201; p. 261.
- Flour. Cowgill & Hill Milling Co. No. 95,604; Mar. 3; Gaz. vol. 200; p. 273.
- Flour. Gulfport Grocery Co. No. 96,411; Apr. 21; Gaz. vol. 201; p. 896.
- Flour. Mayhew Milling Co. No. 98,677; July 28; Gaz. vol. 204; p. 1341.
- Flour. Zabel & Son. No. 97,663; June 16; Gaz. vol. 203; p. 921.
- Flour and breakfast food made of wheat, Wheat and Graham. Chippewa Milling Company. No. 101,508; Dec. 22; Gaz. vol. 209; p. 1313.
- Flour and cornmeal, Wheat. Beaver Valley Milling Company. No. 100,750; Oct. 27; Gaz. vol. 207; p. 1241.
- Flour and feeds, Wheat. Federal Milling Company. No. 98,498; July 21; Gaz. vol. 204; p. 1006.
- Flour and mill-feeds, Wheat. Sheffield-King Milling Co. No. 97,176; May 19; Gaz. vol. 202; p. 949.
- Flour and mill feeds, Wheat. Sheffield-King Milling Co. No. 101,598; Dec. 29; Gaz. vol. 209; p. 1688.
- Flour and wheat compound, Self-rising buckwheat. Bennett Milling Co. No. 95,199; Feb. 3; Gaz. vol. 199; p. 301.
- Flour as food for cattle, Rice. H. Dieck. No. 95,410; Feb. 17; Gaz. vol. 199; p. 934.
- Flour, bran, and offal, Wheat. Everett, Aughenbaugh & Co. No. 97,129; May 19; Gaz. vol. 202; p. 948.
- Flour, Buckwheat. The Blodgett Milling Co. No. 95,876; Mar. 24; Gaz. vol. 200; p. 1109.
- Flour, Buckwheat. The Blodgett Milling Co. No. 97,115; May 19; Gaz. vol. 202; p. 947.
- Flour, coffee, and tea, Wheat. The Holbrook Grocery Co. No. 99,881; Sept. 22; Gaz. vol. 206; p. 1158.
- Flour, Compound. Albers Bros. Milling Co. No. 95,192; Feb. 3; Gaz. vol. 199; p. 301.
- Flour derived from *Zea Mays*, Cereal. Cerec Company. No. 97,595; June 16; Gaz. vol. 203; p. 919.
- Flour for pancakes, Wheat. Koenigsmark Mill Company. No. 97,982; June 30; Gaz. vol. 203; p. 1550.
- Flour, noodles, meal, and bread, Gluten. The Pieser-Livingston Co. No. 95,940; Mar. 24; Gaz. vol. 200; p. 1111.
- Flour, Pancake. Northern Light Milling Co. No. 99,233; Aug. 25; Gaz. vol. 205; p. 1316.
- Flour, pepper, mustard, spices, and tea, Wheat. S. Hamill Company. No. 97,139; May 19; Gaz. vol. 202; p. 948.
- Flour, Ready-mixed self-rising wheat. Model Mill Company. No. 101,078; Nov. 10; Gaz. vol. 208; p. 652.
- Flour, Rye and wheat. W. W. Van Vechten. No. 95,238; Feb. 3; Gaz. vol. 199; p. 302.
- Flour, Rye, wheat, and buckwheat. Barber & Bennett. No. 95,863; Mar. 24; Gaz. vol. 200; p. 1109.
- Flour, Self-rising. Consolidated Grocery Company. No. 99,698; Sept. 15; Gaz. vol. 206; p. 869.
- Flour, Self-rising. The Dunlop Milling Co. No. 99,712; Sept. 15; Gaz. vol. 206; p. 870.
- Flour, Self-rising. Hopkinsville Milling Co. No. 98,526; July 21; Gaz. vol. 204; p. 1007.
- Flour, Self-rising. Mose H. Land Milling Company. No. 99,757; Sept. 15; Gaz. vol. 206; p. 871.
- Flour, Self-rising. Phoenix Flour Mill. No. 100,609; Oct. 20; Gaz. vol. 207; p. 930.
- Flour, Self-rising biscuit. Valley City Milling Co. No. 101,551; Dec. 22; Gaz. vol. 209; p. 1314.
- Flour, Self-rising pancake. Bennett Milling Co. No. 94,868; Jan. 13; Gaz. vol. 198; p. 489.
- Flour, Self-rising wheat. The Allen & Wheeler Co. No. 96,078; Apr. 7; Gaz. vol. 201; p. 261.
- Flour, Self-rising wheat. Amendt Milling Co. No. 101,498; Dec. 22; Gaz. vol. 209; p. 1313.
- Flour, Self-rising wheat. Ansted & Burk Co. No. 99,188; Aug. 25; Gaz. vol. 205; p. 1315.
- Flour, Self-rising wheat. The Birkett Mills. No. 99,036; Aug. 11; Gaz. vol. 205; p. 658.
- Flour, Self-rising wheat. The Craighead Flour Co. No. 96,574; Apr. 21; Gaz. vol. 201; p. 900.
- Flour, Self-rising wheat. The Crescent Mill & Elevator Co. No. 101,566; Dec. 29; Gaz. vol. 209; p. 1687.
- Flour, Self-rising wheat. Davis Milling Company. No. 95,705; Mar. 3; Gaz. vol. 200; p. 276.
- Flour, Self-rising wheat. Dunlop Milling Company. No. 94,891; Jan. 13; Gaz. vol. 198; p. 490.
- Flour, Self-rising wheat. The Dunlop Milling Co. No. 100,297; Oct. 20; Gaz. vol. 207; p. 921.
- Flour, Self-rising wheat. Hezel Milling Company. No. 96,414; Apr. 21; Gaz. vol. 201; p. 896.
- Flour, Self-rising wheat. Model Mill Company. No. 99,613; Sept. 8; Gaz. vol. 206; p. 585.
- Flour, Self-rising wheat. Modern Flour Mills. No. 101,523; Dec. 22; Gaz. vol. 209; p. 1313.
- Flour, Self-rising wheat. Schultz, Baujan & Co. No. 99,797; Sept. 15; Gaz. vol. 206; p. 872.
- Flour, Self-rising wheat. Slater Mill & Elevator Company. No. 99,804; Sept. 15; Gaz. vol. 206; p. 872.
- Flour, Self-rising wheat. J. Allen Smith & Company. Nos. 99,249-50; Aug. 25; Gaz. vol. 205; p. 1316.
- Flour, Self-rising wheat. J. Allen Smith & Company. No. 100,901; Oct. 27; Gaz. vol. 207; p. 1245.
- Flour, Self-rising wheat. The Wallace Milling Co. No. 96,842; May 5; Gaz. vol. 202; p. 311.
- Flour, Self-rising wheat. Yates & Donelson Co. No. 95,585; Feb. 24; Gaz. vol. 199; p. 1241.
- Flour, Self-rising wheat. G. W. Ziebold. No. 99,377; Aug. 25; Gaz. vol. 205; p. 1320.
- Flour, Tripoli. American Tripoli Company. No. 101,119; Nov. 17; Gaz. vol. 208; p. 979.
- Flour, Wheat. Acme Milling Co. No. 97,196; May 26; Gaz. vol. 202; p. 1253.
- Flour, Wheat. The Acme Mills. No. 98,611; July 28; Gaz. vol. 204; p. 1339.
- Flour, Wheat. Acme Milling Co. No. 101,116; Nov. 17; Gaz. vol. 208; p. 979.
- Flour, Wheat. M. Ainsa & Sons. No. 100,474; Oct. 20; Gaz. vol. 207; p. 926.
- Flour, Wheat. Wm. Alten Co. No. 99,677; Sept. 15; Gaz. vol. 206; p. 869.
- Flour, Wheat. Aunt Jemima Mills Company. No. 99,836; Sept. 22; Gaz. vol. 206; p. 1157.
- Flour, Wheat. Aunt Jemima Mills Company. No. 100,077; Oct. 6; Gaz. vol. 207; p. 293.
- Flour, Wheat. Aviston Milling Co. Nos. 94,862-4; Jan. 13; Gaz. vol. 198; p. 489.
- Flour, Wheat. Barrett, Denton & Lynn Co. No. 95,976; Mar. 31; Gaz. vol. 200; p. 1385.
- Flour, Wheat. Bay State Milling Co. No. 99,682; Sept. 15; Gaz. vol. 206; p. 869.
- Flour, Wheat. Brainard Roller Mills. No. 101,503; Dec. 22; Gaz. vol. 209; p. 1313.
- Flour, Wheat. Becker & Langenberg Milling Company. No. 98,241; July 7; Gaz. vol. 204; p. 313.
- Flour, Wheat. Becker & Langenberg Milling Company. No. 98,466; July 21; Gaz. vol. 204; p. 1005.
- Flour, Wheat. Bogert & Greenbank. No. 95,878; Mar. 24; Gaz. vol. 200; p. 1109.
- Flour, Wheat. Bowersock Mills & Power Co. No. 96,394; Apr. 21; Gaz. vol. 201; p. 895.
- Flour, Wheat. Cadick Milling Company. No. 97,945; June 30; Gaz. vol. 203; p. 1547.
- Flour, Wheat. Cadick Milling Company. No. 99,546; Sept. 8; Gaz. vol. 206; p. 583.
- Flour, Wheat. The Canadian Mill and Elevator Company. No. 99,690; Sept. 15; Gaz. vol. 206; p. 869.
- Flour, Wheat. Clyde Milling and Elevator Company. No. 99,851; Sept. 22; Gaz. vol. 206; p. 1157.
- Flour, Wheat. The Coles Company. No. 97,600; June 16; Gaz. vol. 203; p. 919.
- Flour, Wheat. Columbia Star Milling Co. Nos. 98,483-4; July 21; Gaz. vol. 204; p. 1006.

Alphabetical list of trade-marks—Continued.

- Flour, Wheat-. Columbia Star Milling Co. No. 98,857; Aug. 4; Gaz. vol. 205; p. 300.
- Flour, Wheat-. The Crescent Mill & Elevator Co. Nos. 99,564-5; Sept. 8; Gaz. vol. 206; p. 584.
- Flour, Wheat-. The Crescent Mill & Elevator Co. No. 100,517; Oct. 20; Gaz. vol. 207; p. 927.
- Flour, Wheat-. Custer Milling Company. No. 100,518; Oct. 20; Gaz. vol. 207; p. 927.
- Flour, Wheat-. The John P. Dousman Milling Company. No. 99,859; Sept. 22; Gaz. vol. 206; p. 1157.
- Flour, Wheat-. Doud Milling Company. No. 100,698; Oct. 20; Gaz. vol. 207; p. 933.
- Flour, Wheat-. The Dunlop Milling Co. No. 99,202; Aug. 25; Gaz. vol. 205; p. 1315.
- Flour, Wheat-. The Dunlop Milling Co. No. 100,782; Oct. 27; Gaz. vol. 207; p. 1242.
- Flour, Wheat-. Eisenmayer Milling Company. No. 97,046; May 19; Gaz. vol. 202; p. 945.
- Flour, Wheat-. Eisenmayer Milling Company. No. 98,266; July 7; Gaz. vol. 204; p. 313.
- Flour, Wheat-. El Reno Mill & Elevator Co. No. 95,894; Mar. 24; Gaz. vol. 200; p. 1110.
- Flour, Wheat-. Empire State Flour Mills. No. 97,604; June 16; Gaz. vol. 203; p. 919.
- Flour, Wheat-. Federal Milling Company. No. 95,209; Feb. 3; Gaz. vol. 199; p. 302.
- Flour, Wheat-. Federal Milling Company. No. 96,956; May 12; Gaz. vol. 202; p. 628.
- Flour, Wheat-. Federal Milling Company. No. 97,961; June 30; Gaz. vol. 203; p. 1549.
- Flour, Wheat-. Federal Milling Company. No. 99,864; Sept. 22; Gaz. vol. 206; p. 1158.
- Flour, Wheat-. Fisher Flouring Mills Company. No. 97,047; May 19; Gaz. vol. 202; p. 945.
- Flour, Wheat-. Fisher Flouring Mills Company. No. 97,229; May 26; Gaz. vol. 202; p. 1254.
- Flour, Wheat-. Fisher Flouring Mills Company. No. 101,459; Dec. 15; Gaz. vol. 209; p. 1049.
- Flour, Wheat-. The Harter Milling Co. No. 99,209; Aug. 25; Gaz. vol. 205; p. 1315.
- Flour, Wheat-. Charles Herendeen Milling Company. No. 101,287; Nov. 24; Gaz. vol. 208; p. 1351.
- Flour, Wheat-. Hezel Milling Company. No. 100,817; Oct. 27; Gaz. vol. 207; p. 1243.
- Flour, Wheat-. Holt & Company. No. 95,622; Mar. 3; Gaz. vol. 200; p. 274.
- Flour, Wheat-. Hopkinsville Milling Co. No. 97,617; June 16; Gaz. vol. 203; p. 920.
- Flour, Wheat-. Hopkinsville Milling Company. No. 97,976; June 30; Gaz. vol. 203; p. 1550.
- Flour, Wheat-. Howery-Taylor Milling Co. No. 96,418; Apr. 21; Gaz. vol. 201; p. 896.
- Flour, Wheat-. Huegely Milling Company. No. 97,978; June 30; Gaz. vol. 203; p. 1550.
- Flour, Wheat-. The Husler Milling & Elevator Company. No. 98,152; July 7; Gaz. vol. 204; p. 310.
- Flour, Wheat-. The Kansas Milling & Export Co. No. 96,141; Apr. 7; Gaz. vol. 201; p. 262.
- Flour, Wheat-. Kansas Milling Company. No. 98,291; July 7; Gaz. vol. 204; p. 314.
- Flour, Wheat-. The Kelim Farmers' Mill and Elevator Company. No. 100,710; Oct. 20; Gaz. vol. 207; p. 933.
- Flour, Wheat-. R. E. Kidder. No. 101,177; Nov. 17; Gaz. vol. 208; p. 980.
- Flour, Wheat-. Koenigsmark Mill Company. No. 97,981; June 30; Gaz. vol. 203; p. 1550.
- Flour, Wheat-. Koenigsmark Mill Company. No. 97,983; June 30; Gaz. vol. 203; p. 1550.
- Flour, Wheat-. Lake of the Woods Milling Co. No. 97,062; May 19; Gaz. vol. 202; p. 946.
- Flour, Wheat-. Lake of the Woods Milling Co. No. 97,255; May 26; Gaz. vol. 202; p. 1254.
- Flour, Wheat-. Lake of the Woods Milling Co. No. 97,623; June 16; Gaz. vol. 203; p. 920.
- Flour, Wheat-. The Larabee Flour Mills Company. No. 98,295; July 7; Gaz. vol. 204; p. 314.
- Flour, Wheat-. Lawrenceburg Roller Mills Co. No. 99,994; Sept. 29; Gaz. vol. 206; p. 1432.
- Flour, Wheat-. W. & A. Leaman. No. 94,915; Jan. 13; Gaz. vol. 198; p. 491.
- Flour, Wheat-. The Leavenworth Milling Co. No. 100,850; Oct. 27; Gaz. vol. 207; p. 1244.
- Flour, Wheat-. Lewiston Milling Co. Nos. 96,431-2; Apr. 21; Gaz. vol. 201; p. 896.
- Flour, Wheat-. Listman Mill Company. No. 95,222; Feb. 3; Gaz. vol. 199; p. 302.
- Flour, Wheat-. Louisville Milling Co. No. 96,436; Apr. 21; Gaz. vol. 201; p. 896.
- Flour, Wheat-. Mayflower Mills. No. 95,643; Mar. 3; Gaz. vol. 200; p. 274.
- Flour, Wheat-. Millville Flour and Grain Company. No. 100,856; Oct. 27; Gaz. vol. 207; p. 1244.
- Flour, Wheat-. Miner-Hillard Milling Co. No. 97,633; June 16; Gaz. vol. 203; p. 920.
- Flour, Wheat-. Model Mill Company. No. 100,137; Oct. 6; Gaz. vol. 207; p. 295.
- Flour, Wheat-. Nashville Roller Mills. No. 100,593; Oct. 20; Gaz. vol. 207; p. 929.
- Flour, Wheat-. Nashville Roller Mills. Nos. 100,719-21; Oct. 20; Gaz. vol. 207; p. 933.
- Flour, Wheat-. Nashville Roller Mills. Nos. 100,864-5; Oct. 27; Gaz. vol. 207; p. 1244.
- Flour, Wheat-. The L. C. Nicholson Co. No. 96,599; Apr. 21; Gaz. vol. 201; p. 901.
- Flour, Wheat-. Oklahoma City Mill & Elevator Co. No. 101,083; Nov. 10; Gaz. vol. 208; p. 652.
- Flour, Wheat-. The Oklahoma Mill Co. No. 101,082; Nov. 10; Gaz. vol. 208; p. 652.
- Flour, Wheat-. E. V. Peirson & Co. No. 95,234; Feb. 3; Gaz. vol. 199; p. 302.
- Flour, Wheat-. Pillsbury Flour Mills Company. No. 98,004; June 30; Gaz. vol. 203; p. 1551.
- Flour, Wheat-. C. L. Plumb. No. 96,715; Apr. 28; Gaz. vol. 201; p. 1216.
- Flour, Wheat-. Portland Milling Co. No. 94,932; Jan. 13; Gaz. vol. 198; p. 491.
- Flour, Wheat-. Randolph Milling Company. No. 98,006; June 30; Gaz. vol. 203; p. 1551.
- Flour, Wheat-. Randolph Milling Company. No. 98,087; June 30; Gaz. vol. 203; p. 1553.
- Flour, Wheat-. Randolph Milling Company. No. 98,420; July 14; Gaz. vol. 204; p. 671.
- Flour, Wheat-. Rea & Page Milling Co. No. 96,182; Apr. 7; Gaz. vol. 201; p. 264.
- Flour, Wheat-. Rea & Page Milling Co. No. 99,241; Aug. 25; Gaz. vol. 205; p. 1316.
- Flour, Wheat-. Red Wing Milling Company. No. 98,813; Aug. 4; Gaz. vol. 205; p. 299.
- Flour, Wheat-. Regina Flour Mill Company. No. 101,530; Dec. 22; Gaz. vol. 209; p. 1314.
- Flour, Wheat-. Saxony Mills. No. 99,648; Sept. 8; Gaz. vol. 206; p. 586.
- Flour, Wheat-. Schultz, Baujan & Co. No. 98,572; July 21; Gaz. vol. 204; p. 1008.
- Flour, Wheat-. The Scott County Milling Company. No. 98,573; July 21; Gaz. vol. 204; p. 1008.
- Flour, Wheat-. The Scott County Milling Company. No. 99,248; Aug. 25; Gaz. vol. 205; p. 1316.
- Flour, Wheat-. Scott Logan Milling Co. No. 95,018; Jan. 20; Gaz. vol. 198; p. 700.
- Flour, Wheat-. Shannon & Mott Company. No. 97,649; June 16; Gaz. vol. 203; p. 920.
- Flour, Wheat-. Shannon & Mott Company. No. 98,016; June 30; Gaz. vol. 203; p. 1551.
- Flour, Wheat-. Shreveport Mill & Elevator Company. No. 97,650; June 16; Gaz. vol. 203; p. 920.
- Flour, Wheat-. Slater Mill and Elevator Company. No. 99,805; Sept. 15; Gaz. vol. 206; p. 872.
- Flour, Wheat-. J. Allen Smith & Company. No. 99,806; Sept. 15; Gaz. vol. 206; p. 872.
- Flour, Wheat-. The Southwestern Milling Company. No. 95,952; Mar. 24; Gaz. vol. 200; p. 1111.
- Flour, Wheat-. The Southwestern Milling Company. No. 96,059; Mar. 31; Gaz. vol. 200; p. 1387.
- Flour, Wheat-. Southwestern Milling Company. No. 101,228; Nov. 17; Gaz. vol. 208; p. 982.
- Flour, Wheat-. Sparks Milling Company. No. 97,652; June 16; Gaz. vol. 203; p. 921.
- Flour, Wheat-. St. Jacobs Enterprise Mill Co. No. 101,543; Dec. 22; Gaz. vol. 209; p. 1314.
- Flour, Wheat-. Stahl and Jaeger. No. 99,253; Aug. 25; Gaz. vol. 205; p. 1317.
- Flour, Wheat-. Standard Milling Company. No. 100,227; Oct. 13; Gaz. vol. 207; p. 606.
- Flour, Wheat-. Statesville Flour Mill Company, Corp. Nos. 100,041-2; Sept. 29; Gaz. vol. 206; p. 1434.
- Flour, Wheat-. Statesville Flour Mill Company Corp. No. 100,174; Oct. 6; Gaz. vol. 207; p. 296.
- Flour, Wheat-. Thompson Milling Company. No. 100,228; Oct. 13; Gaz. vol. 207; p. 606.
- Flour, Wheat-. Thornton & Chester Milling Co. No. 95,961; Mar. 24; Gaz. vol. 200; p. 1112.
- Flour, Wheat-. Charles Tiedemann Milling Co. No. 98,336; July 7; Gaz. vol. 204; p. 315.
- Flour, Wheat-. Charles Tiedemann Milling Co. Nos. 98,589-90; July 21; Gaz. vol. 204; p. 1009.
- Flour, Wheat-. Charles Tiedemann Milling Co. No. 99,919; Sept. 22; Gaz. vol. 206; p. 1159.
- Flour, Wheat-. C. Tresselt & Sons. No. 98,717; July 28; Gaz. vol. 204; p. 1342.
- Flour, Wheat-. United Flour Mills Co. No. 96,208; Apr. 7; Gaz. vol. 201; p. 264.
- Flour, Wheat-. Updike Milling Company. No. 95,719; Mar. 3; Gaz. vol. 200; p. 277.
- Flour, Wheat-. Valier & Spies Milling Co. Nos. 95,684-8; Mar. 3; Gaz. vol. 200; p. 276.
- Flour, Wheat-. Valier & Spies Milling Co. Nos. 95,721-2; Mar. 3; Gaz. vol. 200; p. 277.
- Flour, Wheat-. Valier & Spies Milling Co. Nos. 97,658-9; June 16; Gaz. vol. 203; p. 921.
- Flour, Wheat-. Valier & Spies Milling Co. No. 98,905; Aug. 4; Gaz. vol. 205; p. 302.
- Flour, Wheat-. Valier & Spies Milling Co. Nos. 99,257-60; Aug. 25; Gaz. vol. 205; p. 1317.
- Flour, Wheat-. Valier & Spies Milling Co. No. 99,820; Sept. 15; Gaz. vol. 206; p. 873.
- Flour, Wheat-. Valier & Spies Milling Co. No. 101,060; Nov. 10; Gaz. vol. 208; p. 652.
- Flour, Wheat-. J. W. Vance. No. 99,072; Aug. 11; Gaz. vol. 205; p. 659.

Alphabetical list of trade-marks—Continued.

- Flour, Wheat. Voigt Milling Company. No. 98,023; June 30; Gaz. vol. 203; p. 1551.
- Flour, Wheat. Washburn-Crosby Co. No. 95,497; Feb. 17; Gaz. vol. 199; p. 936.
- Flour, Wheat. Zabel & Son. No. 98,608; July 21; Gaz. vol. 204; p. 1009.
- Flour, &c., Wheat, rye, and Graham. W. L. Sweet & Co. No. 98,437; July 14; Gaz. vol. 204; p. 671.
- Flour, Whole-wheat. Valley City Milling Company. No. 101,552; Dec. 22; Gaz. vol. 209; p. 1314.
- Flours, meals, brans, grits, and middlings. T. F. Ryan. No. 101,216; Nov. 17; Gaz. vol. 208; p. 925.
- Flowers. Penn The Florist. No. 99,237; Aug. 25; Gaz. vol. 205; p. 1316.
- Flowers, Artificial. N. Warren. No. 98,597; July 21; Gaz. vol. 204; p. 1009.
- Fluid intended to be used before confinements. E. Handl. No. 99,460; Sept. 1; Gaz. vol. 206; p. 308.
- Fluid-pressure gages and indicators. A. Schrader's Son. No. 97,788; June 16; Gaz. vol. 203; p. 925.
- Flushing devices for waste-pipes. St. Louis Rubber Manufacturing Company. No. 97,286; May 26; Gaz. vol. 202; p. 1255.
- Fly-catchers. F. Kaiser. No. 99,887; Sept. 22; Gaz. vol. 206; p. 1158.
- Fly-catchers and fly-papers. Kay Brothers. No. 97,619; June 16; Gaz. vol. 203; p. 920.
- Fly-extermiators. The Feldman Fly Exterminator Company. No. 100,969; Nov. 3; Gaz. vol. 208; p. 334.
- Fly-repellents. W. McKirdy. No. 96,423; Apr. 21; Gaz. vol. 201; p. 896.
- Food and food ingredient. Oko Company. No. 98,890; Aug. 4; Gaz. vol. 205; p. 301.
- Food and tonic, Poultry. Dr. Hess & Clark. No. 96,587; Apr. 21; Gaz. vol. 201; p. 901.
- Food, Cereal. The U. S. Cereal Company. No. 95,720; Mar. 3; Gaz. vol. 200; p. 274.
- Food compound, Certain. McIlhenny Company. No. 99,231; Aug. 25; Gaz. vol. 205; p. 1316.
- Food compound, Certain breakfast. Cereal Mince Company. No. 97,948; June 30; Gaz. vol. 203; p. 1549.
- Food drink. Dr. A. Wander A.-G. No. 100,925; Oct. 27; Gaz. vol. 207; p. 1246.
- Food-flavoring preparation. G. Washington Coffee Refining Company. No. 100,926; Oct. 27; Gaz. vol. 207; p. 1246.
- Food for children. Nährmittelfabrik München Gesellschaft mit beschr. Haftung. No. 96,447; Apr. 21; Gaz. vol. 201; p. 897.
- Food for infants and invalids. Smith, Kline & French Co. No. 100,169; Oct. 6; Gaz. vol. 207; p. 296.
- Food for infants, invalids, &c., Soluble. G. W. Walsh. No. 97,661; June 16; Gaz. vol. 203; p. 921.
- Food for infants, Prepared. J. S. Robinson. No. 95,945; Mar. 24; Gaz. vol. 200; p. 1111.
- Food for infants, Prepared. Dr. Theinhardt's Nährmittel-Gesellschaft m. b. H. No. 99,918; Sept. 22; Gaz. vol. 206; p. 1159.
- Food-meals for poultry, game, and cattle. Walmsley & Birchall. No. 97,298; May 26; Gaz. vol. 202; p. 1256.
- Food, Medicated stock. Co-operative Drug Manufacturing Company (now by change of name American Drug Mfg. Co.). No. 100,280; Oct. 20; Gaz. vol. 207; p. 920.
- Food, Medicated stock. Co-operative Drug Manufacturing Company, now, by change of name, American Drug Mfg. Co. No. 101,270; Nov. 24; Gaz. vol. 208; p. 1351.
- Food, Poultry. J. B. Bragassa. No. 96,936; May 12; Gaz. vol. 202; p. 627.
- Food, Poultry. The Howard H. Hanks Company. No. 97,613; June 16; Gaz. vol. 203; p. 919.
- Food preparation, Certain. E. E. Curtis. No. 100,198; Oct. 13; Gaz. vol. 207; p. 605.
- Food preparation for cattle. H. Dieck. No. 95,409; Feb. 17; Gaz. vol. 199; p. 933.
- Food preparation for dogs, cats, &c. Spratt's Patent (America). No. 98,712; July 28; Gaz. vol. 204; p. 1342.
- Food preparation for dogs, cats, poultry, &c. Spratt's Patent (America). No. 95,957; Mar. 24; Gaz. vol. 200; p. 1111.
- Food preparation for dogs, cats, poultry, &c. Spratt's Patent (America). No. 96,203; Apr. 7; Gaz. vol. 201; p. 264.
- Food preparation for poultry and birds. Spratt's Patent (America). No. 99,252; Aug. 25; Gaz. vol. 205; p. 1316.
- Food preparation for poultry and other animals. Spratt's Patent (America). No. 95,956; Mar. 24; Gaz. vol. 200; p. 1111.
- Food, Prepared stock. M. C. Peters. No. 99,116; Aug. 18; Gaz. vol. 205; p. 1016.
- Food-preservatives, antiseptics, disinfectants, &c. The Preservaline Manufacturing Co. No. 94,934; Jan. 13; Gaz. vol. 198; p. 491.
- Food product. Workman Packing Company. No. 99,267; Aug. 25; Gaz. vol. 205; p. 1317.
- Food, Rice. The Causeway Rice Co. No. 95,888; Mar. 24; Gaz. vol. 200; p. 1109.
- Food, Stock. Gulfport Grocery Co. Nos. 101,158-9; Nov. 17; Gaz. vol. 208; p. 980.
- Food, Stock. E. C. Thornhill. No. 95,960; Mar. 24; Gaz. vol. 200; p. 1112.
- Food, Wheat breakfast. Mello Breakfast Wheat Company. No. 94,920; Jan. 13; Gaz. vol. 198; p. 491.
- Foods and pancake-flour, Breakfast. A. J. Van Exem. No. 98,022; June 30; Gaz. vol. 203; p. 1551.
- Foods, Certain named. Alart & McGuire. No. 96,622; Apr. 28; Gaz. vol. 201; p. 1213.
- Foods, Certain named. B. L. Aldridge. No. 97,932; June 30; Gaz. vol. 203; p. 1549.
- Foods, Certain named. American Consumers' Association of New York. No. 95,697; Mar. 3; Gaz. vol. 200; p. 276.
- Foods, Certain named. M. Amieux & Cie. No. 96,927; May 12; Gaz. vol. 202; p. 627.
- Foods, Certain named. Armour & Company. No. 98,617; July 28; Gaz. vol. 204; p. 1339.
- Foods, Certain named. The J. K. Armsby Co. No. 96,929; May 12; Gaz. vol. 202; p. 627.
- Foods, Certain named. Ballard & Ballard. No. 97,938; June 30; Gaz. vol. 203; p. 1549.
- Foods, Certain named. Bennett Milling Co. No. 101,502; Dec. 22; Gaz. vol. 209; p. 1313.
- Foods, Certain named. Best-Clymer Mfg. Co. No. 97,588; June 16; Gaz. vol. 203; p. 919.
- Foods, Certain named. The Branex Company. Nos. 100,087-8; Oct. 6; Gaz. vol. 207; p. 293.
- Foods, Certain named. M. Brawer & Son. No. 96,395; Apr. 21; Gaz. vol. 201; p. 895.
- Foods, Certain named. Brewster Gordon & Co. No. 100,089; Oct. 6; Gaz. vol. 207; p. 293.
- Foods, Certain named. Brewster, Gordon & Co. Nos. 101,560-1; Dec. 29; Gaz. vol. 209; p. 1687.
- Foods, Certain named. California Cactus Candy Co. No. 97,593; June 16; Gaz. vol. 203; p. 919.
- Foods, Certain named. Cross, Abbott Co. No. 99,038; Aug. 11; Gaz. vol. 205; p. 658.
- Foods, Certain named. D. De Bernardi & Co. No. 99,568; Sept. 8; Gaz. vol. 206; p. 584.
- Foods, Certain named. T. P. Deitrick. No. 98,258; July 7; Gaz. vol. 204; p. 313.
- Foods, Certain named. The Dieto Food Co. No. 97,956; June 30; Gaz. vol. 203; p. 1549.
- Foods, Certain named. The Dolan Mercantile Company. No. 96,795; May 5; Gaz. vol. 202; p. 309.
- Foods, Certain named. The Dolan Mercantile Company. No. 95,893; Mar. 24; Gaz. vol. 200; p. 1110.
- Foods, Certain named. L. S. Donaldson Company. No. 99,384; Aug. 25; Gaz. vol. 205; p. 1321.
- Foods, Certain named. Eldridge Baker Co. No. 95,197; Feb. 3; Gaz. vol. 199; p. 301.
- Foods, Certain named. Everett & Treadwell Co. No. 95,249; Feb. 3; Gaz. vol. 199; p. 303.
- Foods, Certain named. Fischer Brothers. No. 97,606; June 16; Gaz. vol. 203; p. 919.
- Foods, Certain named. Fox River Valley Co. No. 96,958; May 12; Gaz. vol. 202; p. 628.
- Foods, Certain named. Goldberg, Bowen & Co. No. 96,667; Apr. 28; Gaz. vol. 201; p. 1214.
- Foods, Certain named. Guthrie Mill & Elev. Co. No. 97,611; June 16; Gaz. vol. 203; p. 919.
- Foods, Certain named. Harder & de Voss. No. 97,970; June 30; Gaz. vol. 203; p. 1550.
- Foods, Certain named. Hawks. No. 100,818; Oct. 27; Gaz. vol. 207; p. 1243.
- Foods, Certain named. John C. Hein Company. No. 97,615; June 16; Gaz. vol. 203; p. 920.
- Foods, Certain named. A. J. Howell. No. 98,151; July 7; Gaz. vol. 204; p. 310.
- Foods, Certain named. Hulman & Co. No. 101,066; Nov. 10; Gaz. vol. 208; p. 652.
- Foods, Certain named. Indianapolis Abattoir Company. No. 98,530; July 21; Gaz. vol. 204; p. 1007.
- Foods, Certain named. T. N. Jackerott. No. 101,067; Nov. 10; Gaz. vol. 208; p. 652.
- Foods, Certain named. The Joannes-Splane Co. No. 101,580; Dec. 29; Gaz. vol. 209; p. 1687.
- Foods, Certain named. Kansas City Wholesale Grocery Co. No. 97,058; May 19; Gaz. vol. 202; p. 946.
- Foods, Certain named. Kehlror Flour Mills Company. No. 97,620; June 16; Gaz. vol. 203; p. 920.
- Foods, Certain named. The H. D. Lee Mercantile Co. No. 96,430; Apr. 21; Gaz. vol. 201; p. 896.
- Foods, Certain named. P. C. Lemy. No. 95,121; Feb. 3; Gaz. vol. 199; p. 299.
- Foods, Certain named. Monopol Import Export Union. No. 99,896; Sept. 22; Gaz. vol. 206; p. 1158.
- Foods, Certain named. The Mosel-Johnson Co. No. 96,158; Apr. 7; Gaz. vol. 201; p. 263.
- Foods, Certain named. Mullen-Blackledge-Nellis Co. No. 96,596; Apr. 21; Gaz. vol. 201; p. 901.
- Foods, Certain named. W. P. Munsell. No. 101,407; Dec. 8; Gaz. vol. 209; p. 680.
- Foods, Certain named. National Grocer Company. No. 101,315; Nov. 24; Gaz. vol. 208; p. 1352.
- Foods, Certain named. Nave-McCord Mercantile Co. No. 97,167; May 19; Gaz. vol. 202; p. 949.
- Foods, Certain named. J. H. Newbaver & Co. No. 99,398; Aug. 25; Gaz. vol. 205; p. 1321.

Alphabetical list of trade-marks—Continued.

- Foods, Certain named. Norton & Curd Company. No. 100,144; Oct. 6; Gaz. vol. 207; p. 295.
- Foods, Certain named. Pellier Frères. Nos. 96,457-8; Apr. 21; Gaz. vol. 201; p. 897.
- Foods, Certain named. Pellier Frères. No. 96,826; May 5; Gaz. vol. 202; p. 310.
- Foods, Certain named. Pellier Frères. No. 96,991; May 12; Gaz. vol. 202; p. 629.
- Foods, Certain named. The Philip J. Ritter Conserve Company. No. 98,008; June 30; Gaz. vol. 203; p. 1551.
- Foods, Certain named. The Rider Packing Co. No. 101,421; Dec. 8; Gaz. vol. 209; p. 681.
- Foods, Certain named. F. E. Royston & Co. No. 98,011; June 30; Gaz. vol. 203; p. 1551.
- Foods, Certain named. Sanitary Food Manufacturing Company. No. 96,998; May 12; Gaz. vol. 202; p. 629.
- Foods, Certain named. L. E. Schoenfeld. No. 98,321; July 7; Gaz. vol. 204; p. 315.
- Foods, Certain named. Henry G. Sears Co. No. 101,596; Dec. 29; Gaz. vol. 209; p. 1688.
- Foods, Certain named. Sentney Wholesale Grocery Co. No. 95,947; Mar. 24; Gaz. vol. 200; p. 1111.
- Foods, Certain named. John Sexton & Company. No. 101,053; Nov. 10; Gaz. vol. 208; p. 651.
- Foods, Certain named. Societe Anonyme des Etablissements Rouzaud "a la Marquise de Sôvigne" Chocolat de Royat. No. 101,227; Nov. 17; Gaz. vol. 208; p. 982.
- Foods, Certain named. A. Starace. No. 96,464; Apr. 21; Gaz. vol. 201; p. 897.
- Foods, Certain named. Stone-Ordean-Wells Company. No. 98,434; July 14; Gaz. vol. 204; p. 671.
- Foods, Certain named. Stone-Ordean-Wells Company. No. 100,177; Oct. 6; Gaz. vol. 207; p. 296.
- Foods, Certain named. Strohmeier & Arpe Company. No. 96,207; Apr. 7; Gaz. vol. 201; p. 264.
- Foods, Certain named. T. Suzuki. No. 96,837; May 5; Gaz. vol. 202; p. 311.
- Foods, Certain named. The Styron-Beggs Company. No. 97,086; May 19; Gaz. vol. 202; p. 946.
- Foods, Certain named. C. C. Truax & Company. No. 98,018; June 30; Gaz. vol. 203; p. 1551.
- Foods, Certain named. The Weideman Co. No. 99,825; Sept. 15; Gaz. vol. 206; p. 873.
- Foods, Certain named. White Star Canning Company. No. 97,192; May 19; Gaz. vol. 202; p. 950.
- Foods, Corn cereal. E. L. Kastler. No. 100,214; Oct. 13; Gaz. vol. 207; p. 605.
- Foods for infants and invalids, Prepared. Dr. Theinhardt's Nährmittel-Gesellschaft G. m. b. H. No. 99,070; Aug. 11; Gaz. vol. 205; p. 659.
- Foods, Poultry. Darling & Company. No. 98,859; Aug. 4; Gaz. vol. 205; p. 301.
- Foods, Poultry. T. W. Wood & Sons. No. 101,611; Dec. 29; Gaz. vol. 209; p. 1688.
- Foods, prepared foods for infants and invalids, &c., Cereal breakfast. Christian Co. No. 94,885; Jan. 13; Gaz. vol. 198; p. 490.
- Foods, Stock and poultry. Buffalo Cereal Company. No. 97,591; June 16; Gaz. vol. 203; p. 919.
- Footwear, Certain named. J. E. Adams. No. 95,280; Feb. 10; Gaz. vol. 199; p. 611.
- Footwear, Certain named. Outing Shoe Co. No. 99,621; Sept. 8; Gaz. vol. 206; p. 585.
- Footwear made of certain materials or combinations thereof, Certain named. "Ago" Lederkitt-Industrie-Gesellschaft mit beschränkter Haftung. No. 96,217; Apr. 14; Gaz. vol. 201; p. 563.
- Forgings, Metal. J. H. Williams & Co. No. 98,228; July 7; Gaz. vol. 204; p. 372.
- Foundation-piles, Steel. The Underpinning & Foundation Co. No. 96,737; Apr. 28; Gaz. vol. 201; p. 1216.
- Foundry-facings, charcoal, graphite, and plumbago. S. Obermayer Company. No. 98,808; Aug. 4; Gaz. vol. 205; p. 299.
- Foundry-riddles. The American Implement Company. No. 98,993; Aug. 11; Gaz. vol. 205; p. 657.
- Freezers and beverage-coolers. Cordley & Hayes. No. 98,752; Aug. 4; Gaz. vol. 205; p. 297.
- Friction-tape. F. Chapman. No. 99,945; Sept. 29; Gaz. vol. 206; p. 1431.
- Fruit, Citrus. R. R. Sutherland. Nos. 100,045-6; Sept. 29; Gaz. vol. 206; p. 1434.
- Fruit jellies and preserves, Citrus-. J. M. Cameron. No. 99,842; Sept. 22; Gaz. vol. 206; p. 1157.
- Fruit, jelly, and ice-cream topping. Paul F. Beich Company. No. 98,120; July 7; Gaz. vol. 204; p. 309.
- Fruit-juice, Alcoholic. P. Bouché. No. 100,258; Oct. 20; Gaz. vol. 207; p. 919.
- Fruits and raisins, Dried. North Ontario Packing Company. Nos. 95,934-5; Mar. 24; Gaz. vol. 200; p. 1111.
- Fruits and raisins, Dried. North Ontario Packing Company. No. 97,640; June 16; Gaz. vol. 203; p. 920.
- Fruits and tomatoes, Citrus. Chase & Company. No. 97,949; June 30; Gaz. vol. 203; p. 1549.
- Fruits and vegetables, Fresh. H. Dujardin. No. 101,480; Dec. 15; Gaz. vol. 209; p. 1050.
- Fruits, apples, and pears, Fresh deciduous. Yakima County Horticultural Union. No. 98,030; June 30; Gaz. vol. 203; p. 1551.
- Fruits, Certain named fresh. Stewart Fruit Company. No. 95,958; Mar. 24; Gaz. vol. 200; p. 1112.
- Fruits, Citrus. Central Fruit Co. No. 95,600; Mar. 3; Gaz. vol. 200; p. 273.
- Fruits, Citrus. Co-operative Orange Ass'n. Nos. 99,955-6; Sept. 29; Gaz. vol. 206; p. 1431.
- Fruits, Citrus. Eustis Citrus Growers Association. Nos. 100,109-10; Oct. 6; Gaz. vol. 207; p. 294.
- Fruits, Citrus. Flowerree Groves. No. 100,201; Oct. 13; Gaz. vol. 207; p. 605.
- Fruits, Citrus. Fort Ogden Citrus Growers Association. No. 96,957; May 12; Gaz. vol. 202; p. 628.
- Fruit, Citrus. M. E. Johnson. No. 96,140; Apr. 7; Gaz. vol. 201; p. 262.
- Fruits, Citrus. J. McCormick. No. 97,156; May 19; Gaz. vol. 202; p. 249.
- Fruits, Citrus. McPherson Heights Citrus Association. Nos. 93,223-4; Feb. 3; Gaz. vol. 199; p. 302.
- Fruits, Citrus. J. N. Reynolds. No. 95,943; Mar. 24; Gaz. vol. 200; p. 1111.
- Fruits, Citrus. J. N. Reynolds. No. 96,185; Apr. 7; Gaz. vol. 201; p. 264.
- Fruits, Citrus. J. N. Reynolds. No. 96,607; Apr. 21; Gaz. vol. 201; p. 901.
- Fruits, Citrus. H. C. Schrader Co. No. 101,222; Nov. 17; Gaz. vol. 208; p. 982.
- Fruits, Citrus. Southern Citrus Corporation. Nos. 95,950-1; Mar. 24; Gaz. vol. 200; p. 1111.
- Fruits, Citrus. Southern Citrus Corporation. No. 96,200; Apr. 7; Gaz. vol. 201; p. 264.
- Fruits, Citrus. J. K. Tweedy. No. 97,291; May 26; Gaz. vol. 202; p. 1256.
- Fruits, Dried. J. K. Armsby Co. No. 94,858; Jan. 13; Gaz. vol. 198; p. 489.
- Fruits, Dried. California Associated Raisin Co. No. 96,398; Apr. 21; Gaz. vol. 201; p. 895.
- Fruits, Dried. P. A. Pincoffs. No. 99,358; Aug. 25; Gaz. vol. 205; p. 1320.
- Fruits, either in their natural state or canned. The Porto Rico Fruit Exchange. No. 95,470; Feb. 17; Gaz. vol. 199; p. 935.
- Fruits, First quality of fresh deciduous. Yakima County Horticultural Union. No. 100,940; Oct. 27; Gaz. vol. 207; p. 1247.
- Fruits, Fresh. Mosier Fruit Growers Association. No. 99,059; Aug. 11; Gaz. vol. 205; p. 659.
- Fruits, Fresh. Northwestern Fruit Exchange. No. 95,650; Mar. 3; Gaz. vol. 200; p. 275.
- Fruits, Fresh. Yakima County Horticultural Union. No. 98,607; July 21; Gaz. vol. 204; p. 1009.
- Fruits, Fresh and green. Wenatchee North Central Fruit Distributors. No. 100,931; Oct. 27; Gaz. vol. 207; p. 1246.
- Fruits, grapes, and berries, Fresh citrus and deciduous green. Penryn Fruit Company. No. 99,357; Aug. 25; Gaz. vol. 205; p. 1320.
- Fuel, Compound for application to. The Smoke-Coal Economizer Corporation. No. 101,056; Nov. 10; Gaz. vol. 208; p. 652.
- Fuel - economizing compound. Hydronite, Limited. No. 97,330; June 2; Gaz. vol. 203; p. 297.
- Fuel usable in explosive-gas engines, Liquid. The American Coal Refining Company. No. 100,944; Nov. 3; Gaz. vol. 208; p. 333.
- Fungicides and insecticides. Thomsen Chemical Co. No. 97,087; May 19; Gaz. vol. 202; p. 946.
- Fur coats, caps, gloves, scarfs, and muffs. Gordon & Ferguson. No. 95,217; Feb. 3; Gaz. vol. 199; p. 302.
- Fur collars, collarets, scarfs, and muffs. Skaperdas & Co. No. 101,055; Nov. 10; Gaz. vol. 208; p. 651.
- Fur garments. Kruskel & Kruskel. No. 100,562; Oct. 20; Gaz. vol. 207; p. 928.
- Furs. J. Klugman. No. 101,582; Dec. 29; Gaz. vol. 209; p. 1687.
- Furs, Raw. A. B. Shubert. No. 95,673; Mar. 3; Gaz. vol. 200; p. 275.
- Furring device, Offset. Mitchell-Tappen Company. No. 100,378; Oct. 20; Gaz. vol. 207; p. 923.
- Furnace, &c., linings. J. E. Baker Co. No. 95,731; Mar. 10; Gaz. vol. 200; p. 577.
- Furnace-linings, fire bricks and blocks, and bulk material for making same. The Carborundum Company. Nos. 97,524-7; June 9; Gaz. vol. 203; p. 597.
- Furnaces and heaters, stoves, forges, ovens, &c. A/B B. A. Hjorth & Co. No. 95,102; Feb. 3; Gaz. vol. 199; p. 299.
- Furnaces, Exhausters and burners for heating-. C. M. Hunter. No. 96,677; Apr. 28; Gaz. vol. 201; p. 1214.
- Furnaces for heating buildings. B. E. Rainey. No. 101,202; Nov. 17; Gaz. vol. 208; p. 981.
- Furnishings and notions, Certain named. L. F. Caumont. No. 101,443; Dec. 15; Gaz. vol. 209; p. 1049.
- Furnishings, notions, and fancy goods, Certain named. George Borgfeldt & Co. No. 100,257; Oct. 20; Gaz. vol. 207; p. 919.
- Furniture and automobile polishes. Queen City Specialty Company. No. 99,629; Sept. 8; Gaz. vol. 206; p. 585.
- Furniture and floor polishes. The A. Wilhelm Company. No. 100,188; Oct. 6; Gaz. vol. 207; p. 296.

Alphabetical list of trade-marks—Continued.

- Furniture and furnishings, Certain named articles of household. L. Brigham. No. 98,040; June 30; Gaz. vol. 203; p. 1552.
- Furniture and upholstery. S. Greene. No. 95,092; Feb. 3; Gaz. vol. 199; p. 298.
- Furniture and window-seats not in the nature of receptacles, Certain named. L. Brigham. No. 97,675; June 16; Gaz. vol. 203; p. 921.
- Furniture and wood polishes and lacquers. E. W. Thumb. No. 97,909; June 23; Gaz. vol. 203; p. 1258.
- Furniture and woodwork oiling, cleaning, and polishing preparation. H. W. Miller and J. P. Rafferty. No. 97,162; May 19; Gaz. vol. 202; p. 949.
- Furniture and woodwork polish. The Hy-Polish Products Company. No. 96,138; Apr. 7; Gaz. vol. 201; p. 262.
- Furniture and woodwork polishes, Fluid. W. Rohner. No. 97,172; May 19; Gaz. vol. 202; p. 949.
- Furniture, automobile, &c., polishing substances. The Tobey Furniture Company. No. 101,343; Nov. 24; Gaz. vol. 208; p. 1353.
- Furniture, Certain. J. H. Bancroft. No. 97,387; June 2; Gaz. vol. 203; p. 299.
- Furniture, Certain named. The Adjustable Table Company. No. 98,231; July 7; Gaz. vol. 204; p. 312.
- Furniture, Certain named. Koken Barbers' Supply Co. No. 100,353; Oct. 20; Gaz. vol. 207; p. 922.
- Furniture, Certain named. Sikes Company. No. 95,948; Mar. 24; Gaz. vol. 200; p. 1111.
- Furniture, Certain named school and office. Columbia School Supply Co. No. 95,064; Feb. 3; Gaz. vol. 199; p. 297.
- Furniture for children's rooms, White enameled. Geo. Borgfeldt & Co. No. 95,392; Feb. 17; Gaz. vol. 199; p. 933.
- Furniture-polish. Amsterdam Polish Company. No. 98,351; July 14; Gaz. vol. 204; p. 669.
- Furniture-polish. A. Armstrong. No. 94,797; Jan. 6; Gaz. vol. 198; p. 235.
- Furniture-polish. Channell Chemical Company. No. 99,142; Aug. 18; Gaz. vol. 205; p. 1017.
- Furniture-polish. Co-operative Drug Manufacturing Company, now by change of name American Drug Mfg. Co. No. 99,561; Sept. 8; Gaz. vol. 206; p. 584.
- Furniture-polish. Co-operative Drug Manufacturing Company, now by change of name American Drug Mfg. Co. Nos. 99,700-1; Sept. 15; Gaz. vol. 206; p. 869.
- Furniture-polish. Erickson and McAndrew. No. 100,968; Nov. 3; Gaz. vol. 208; p. 334.
- Furniture-polish. E. H. Fowler. No. 99,298; Aug. 25; Gaz. vol. 205; p. 1318.
- Furniture-polish. Goodrich Drug Co. No. 96,129; Apr. 7; Gaz. vol. 201; p. 262.
- Furniture-polish. C. Hofmann. No. 95,762; Mar. 10; Gaz. vol. 200; p. 578.
- Furniture-polish. R. H. Holst & Co. No. 95,103; Feb. 3; Gaz. vol. 199; p. 299.
- Furniture-polish. T. Lowry. No. 99,325; Aug. 25; Gaz. vol. 205; p. 1319.
- Furniture-polish. W. Plummer. No. 98,194; July 7; Gaz. vol. 204; p. 311.
- Furniture-polish. Stansbury & Young. No. 100,173; Oct. 6; Gaz. vol. 207; p. 296.
- Furniture, &c., polish. F. H. Steere. No. 99,185; Aug. 18; Gaz. vol. 205; p. 1018.
- Furniture, Steel. The Keyless Lock Co. No. 99,600; Sept. 8; Gaz. vol. 206; p. 585.
- Furniture, Store. The Lamson Company. No. 100,359; Oct. 20; Gaz. vol. 207; p. 922.
- Fuses. Germania Importing Company. No. 99,457; Sept. 1; Gaz. vol. 206; p. 308.
- Fuses and torpedoes. Central Railway Signal Co. No. 99,141; Aug. 18; Gaz. vol. 205; p. 1017.
- Fuses for electrical currents, Safety. Economy Fuse & Manufacturing Company. No. 101,568; Dec. 29; Gaz. vol. 209; p. 1687.
- Game. John Jaques & Son. No. 97,772; June 16; Gaz. vol. 203; p. 924.
- Game apparatus. G. H. Howard. No. 98,780; Aug. 4; Gaz. vol. 205; p. 298.
- Game, Spinning. Parker Brothers. No. 97,076; May 19; Gaz. vol. 202; p. 946.
- Games. Milton Bradley Co. No. 97,209; May 26; Gaz. vol. 202; p. 1253.
- Games. Milton Bradley Co. No. 97,390; June 2; Gaz. vol. 203; p. 299.
- Games. Milton Bradley Co. No. 97,815; June 23; Gaz. vol. 203; p. 1255.
- Games. Milton Bradley Co. No. 99,275; Aug. 25; Gaz. vol. 205; p. 1317.
- Games. E. L. Grondahl. No. 95,905; Mar. 24; Gaz. vol. 200; p. 1110.
- Games. J. J. Nordman. No. 99,488; Sept. 1; Gaz. vol. 206; p. 309.
- Games. Wiley-Spencer Company. No. 100,677; Oct. 20; Gaz. vol. 207; p. 932.
- Games and puzzles. W. H. Huff. No. 97,055; May 19; Gaz. vol. 202; p. 946.
- Games and sundries used in same, Certain named. Buchanan Ltd. No. 98,041; June 30; Gaz. vol. 203; p. 1552.
- Games and toys, Certain named. Geo. Borgfeldt & Co. No. 95,880; Mar. 24; Gaz. vol. 200; p. 1109.
- Games, Card. Parker Brothers. No. 97,882; June 23; Gaz. vol. 203; p. 1257.
- Games, Card. Parker Brothers. No. 99,354; Aug. 25; Gaz. vol. 205; p. 1320.
- Games, Card. J. A. Phillips. No. 95,939; Mar. 24; Gaz. vol. 200; p. 1111.
- Games, toys, and children's building-blocks. C. H. Pajean. No. 96,175; Apr. 7; Gaz. vol. 201; p. 263.
- Garbage and refuse receptacles. C. H. Stephenson. No. 97,289; May 26; Gaz. vol. 202; p. 1255.
- Garbage and refuse receptacles. C. H. Stephenson. No. 98,330; July 7; Gaz. vol. 204; p. 315.
- Garbage-cans. Automatic Lock Cover Corporation. No. 95,728; Mar. 10; Gaz. vol. 200; p. 577.
- Garment-fasteners. G. Gray. No. 98,867; Aug. 4; Gaz. vol. 205; p. 301.
- Garment-fasteners. Silverberg Import Co. No. 97,566; June 9; Gaz. vol. 203; p. 598.
- Garment-fasteners. Waldes & Co. Nos. 97,920-1; June 23; Gaz. vol. 203; p. 1258.
- Garment-fasteners. Wire Products Company. No. 95,812; Mar. 10; Gaz. vol. 200; p. 579.
- Garment-fasteners, Tapes on which are sewn. C. Hoffbauer. No. 97,143; May 19; Gaz. vol. 202; p. 948.
- Garment-folders. Pac-Rite Company. No. 98,315; July 7; Gaz. vol. 204; p. 315.
- Garment-hooks. A. B. Aldrich. No. 95,587; Mar. 3; Gaz. vol. 200; p. 273.
- Garment-interlining. Geo. S. Cox & Bro. No. 94,986; Jan. 20; Gaz. vol. 198; p. 699.
- Garment-shields. Marshall Field & Company. No. 95,825; Mar. 17; Gaz. vol. 200; p. 853.
- Garment-weights. T. Kahn. No. 94,817; Jan. 6; Gaz. vol. 198; p. 235.
- Garments, Certain named women's. The L. N. Gross Company. No. 100,544; Oct. 20; Gaz. vol. 207; p. 928.
- Garments, Children's sleeping-. Dr. Denton Sleeping Garment Mills. No. 101,138; Nov. 17; Gaz. vol. 208; p. 979.
- Garments, Ladies'. A. Malsin. No. 96,311; Apr. 14; Gaz. vol. 201; p. 565.
- Garments, Material for ladies'. Levor & Igstaedter. No. 100,568; Oct. 20; Gaz. vol. 207; p. 929.
- Garments of knitted fabrics and hosiery. Monnig Dry Goods Co. No. 97,717; June 16; Gaz. vol. 203; p. 922.
- Garments, Sleeping-. C. Eisenman Company. No. 95,208; Feb. 3; Gaz. vol. 199; p. 302.
- Garters. W. P. O'Neil. No. 95,555; Feb. 24; Gaz. vol. 199; p. 1240.
- Garters. The Ohio Suspender Company. No. 96,824; May 5; Gaz. vol. 202; p. 310.
- Garters and armbands. Kabo Corset Company. No. 99,314; Aug. 25; Gaz. vol. 205; p. 1318.
- Gas and oil burners. Stuart-American Products Company. No. 99,256; Aug. 25; Gaz. vol. 205; p. 1317.
- Gas-engines. The Hercules Gas Engine Co. No. 98,055; June 30; Gaz. vol. 203; p. 1552.
- Gas for maturing and bleaching flour. Industrial Appliance Company. No. 100,827; Oct. 27; Gaz. vol. 207; p. 1243.
- Gas-generators, acetylene blowpipes and cutting-torches. Oxweld Acetylene Company. No. 95,653; Mar. 3; Gaz. vol. 200; p. 275.
- Gas, Liquefied. A. O. Fox. No. 96,507; Apr. 21; Gaz. vol. 201; p. 898.
- Gas-mantle with attachments. Glühstrumpfabrik Basel. No. 98,766; Aug. 4; Gaz. vol. 205; p. 298.
- Gas-mantle with attachments. Glühstrumpfabrik Basel. No. 100,749; Oct. 27; Gaz. vol. 207; p. 1241.
- Gas-mantles. Reliance Gas Mantle Company. No. 100,888; Oct. 27; Gaz. vol. 207; p. 1245.
- Gas-mixers. The Aristos Company. No. 95,043; Feb. 3; Gaz. vol. 199; p. 297.
- Gas-producers. Standard Gas Power Company. No. 101,544; Dec. 22; Gaz. vol. 209; p. 1314.
- Gasolene-engines. Novo Engine Company. No. 95,136; Feb. 3; Gaz. vol. 199; p. 300.
- Gasolene, kerosene, and lubricating-oil. The Continental Oil Company. No. 100,102; Oct. 6; Gaz. vol. 207; p. 294.
- Gasolene, kerosene, and naphtha. Purified Petroleum Products Co. of Illinois. No. 97,724; June 16; Gaz. vol. 203; p. 923.
- Gasolene, naphtha, benzin, &c. Crew Levick Company. No. 100,851; Oct. 27; Gaz. vol. 207; p. 1244.
- Gasolene, naphtha, benzin, lubricating oils and greases, &c. The Asiatic Petroleum Company. No. 98,235; July 7; Gaz. vol. 204; p. 312.
- Gasolene, naphtha, oils, &c. Standard Oil Company of Louisiana. No. 99,660; Sept. 8; Gaz. vol. 206; p. 586.
- Gates and posts, Metal fencing. Dwiggin's Wire Fence Company. No. 99,959; Sept. 29; Gaz. vol. 206; p. 1432.
- Gauze, Bleached. Carson, Pirie, Scott & Co. No. 101,035; Nov. 10; Gaz. vol. 208; p. 651.
- Gearing, Transmission-. Motor and Gear Improvement Company. No. 95,648; Mar. 3; Gaz. vol. 200; p. 274.
- Gelatin. Essex Gelatine Company. No. 96,954; May 12; Gaz. vol. 202; p. 628.

Alphabetical list of trade-marks—Continued.

- Generators or pressure-regulating valves for hot-water heating systems. Hardt Generator Co. No. 96,804; May 5; Gaz. vol. 202; p. 310.
- Geometrical insets, counters, color-spools. The House of Childhood. No. 100,504; Oct. 20; Gaz. vol. 207; p. 927.
- Germicide for the digestive tracts. H. N. Reynolds. No. 95,717; Mar. 3; Gaz. vol. 200; p. 276.
- Germicide, vermin-exteriorator, and disinfectant. N. Y. Disinfecting & Exterminating Co., Forst & Mendel. No. 96,173; Apr. 7; Gaz. vol. 201; p. 263.
- Gin. G. F. Heublein & Bro. No. 96,292; Apr. 14; Gaz. vol. 201; p. 565.
- Gin. J. de Kuyper & Son. No. 95,547; Feb. 24; Gaz. vol. 199; p. 1240.
- Gin. R. M. Rose Company. No. 96,046; Mar. 31; Gaz. vol. 200; p. 1387.
- Gin compound. M. S. Kronheim. No. 95,770; Mar. 10; Gaz. vol. 200; p. 578.
- Gins, Straight dry. Booth's Distillery Limited. No. 98,245; July 7; Gaz. vol. 204; p. 313.
- Ginger-ale. J. Breyer. No. 95,394; Feb. 17; Gaz. vol. 199; p. 933.
- Ginger-ale and soda-water. H. W. Van Doren. No. 97,918; June 23; Gaz. vol. 203; p. 1258.
- Ginger-ale, sarsaparilla, and carbonated water. Royal Spring Water Co. No. 97,894; June 23; Gaz. vol. 203; p. 1257.
- Ginger-ale, sarsaparilla, birch and root beers, &c. Clicquot Club Company. No. 97,324; June 2; Gaz. vol. 203; p. 297.
- Ginger-ale, sarsaparilla, birch and root beers, lemon-soda, &c. L. A. Finn. No. 96,119; Apr. 7; Gaz. vol. 201; p. 262.
- Ginger-beer. H. J. Middleton. No. 98,799; Aug. 4; Gaz. vol. 205; p. 299.
- Ginger-beer. H. J. Middleton. No. 100,006; Sept. 29; Gaz. vol. 206; p. 1433.
- Ginger-beer extract. J. F. Whelihan. No. 100,465; Oct. 20; Gaz. vol. 207; p. 926.
- Ginghams. W. Anderson & Co. No. 97,029; May 19; Gaz. vol. 202; p. 945.
- Ginghams. Carson, Pirie, Scott & Co. No. 100,265; Oct. 20; Gaz. vol. 207; p. 920.
- Ginghams. Delgado Mills. No. 101,370; Dec. 8; Gaz. vol. 209; p. 679.
- Ginghams and cotton piece goods. Carson, Pirie, Scott & Co. No. 98,476; July 21; Gaz. vol. 204; p. 1005.
- Glass articles, Certain named. Gillinder & Sons. No. 96,662; Apr. 28; Gaz. vol. 201; p. 1214.
- Glass chimneys and globes. Pittsburgh Lamp, Brass & Glass Company. No. 98,559; July 21; Gaz. vol. 204; p. 1008.
- Glass, &c., Composition for preventing accumulation or condensation of water upon. Anti-Fog Company. No. 100,743; Oct. 27; Gaz. vol. 207; p. 1241.
- Glass, Cut. Geo. Borgfeldt & Co. No. 96,778; May 5; Gaz. vol. 202; p. 309.
- Glass, Cut and engraved. J. Hoare & Company. No. 96,965; May 12; Gaz. vol. 202; p. 628.
- Glass, Sheet. Pennsylvania Wire Glass Company. No. 97,885; June 23; Gaz. vol. 203; p. 1257.
- Glass surfaces, Moisture-prevention compounds for. Anti-Vapor Co. No. 100,478; Oct. 20; Gaz. vol. 207; p. 926.
- Glass tubes and glass rods, Colorless. G. R. Fischer. No. 97,605; June 16; Gaz. vol. 203; p. 919.
- Glass tubes and rods, Colorless. G. R. Fischer. No. 97,962; June 30; Gaz. vol. 203; p. 1550.
- Glasses, Protection-. Julius King Optical Company. No. 99,991; Sept. 29; Gaz. vol. 206; p. 1432.
- Glassware, chimneys, lamps, &c., Hollow. Oesterreichische Glashütten Gesellschaft. Nos. 95,342-4; Feb. 10; Gaz. vol. 199; p. 613.
- Glassware, Table. Imperial Glass Company. Nos. 97,422-3; June 2; Gaz. vol. 203; p. 300.
- Glassware, Table. Imperial Glass Company. Nos. 99,747-8; Sept. 15; Gaz. vol. 206; p. 871.
- Gloss and furniture-polish, Liquid. Standard Oil Company. No. 95,168; Feb. 3; Gaz. vol. 199; p. 300.
- Glove cleaner, White-kid. F. L. McFerran. No. 95,646; Mar. 3; Gaz. vol. 200; p. 274.
- Glove-cleaning compounds. J. J. Jenkins. No. 101,101; Nov. 10; Gaz. vol. 208; p. 653.
- Gloves. Bellon, Cochet & Co. No. 97,032; May 19; Gaz. vol. 202; p. 945.
- Gloves. Fownes Brothers & Co. No. 97,232; May 26; Gaz. vol. 202; p. 1254.
- Gloves. J. Garfinkle. No. 95,215; Feb. 3; Gaz. vol. 199; p. 302.
- Gloves. La Crosse Knitting Works. No. 98,400; July 14; Gaz. vol. 204; p. 670.
- Gloves. The F. & R. Lazarus & Co. No. 98,064; June 30; Gaz. vol. 203; p. 1553.
- Gloves. Mills & Gibb. No. 95,129; Feb. 3; Gaz. vol. 199; p. 299.
- Gloves. Mills & Gibb. No. 97,163; May 19; Gaz. vol. 202; p. 949.
- Gloves. V. Perrin & Cie. No. 97,886; June 23; Gaz. vol. 203; p. 1257.
- Gloves. Rey-Jouvin freres et Co. No. 96,717; Apr. 28; Gaz. vol. 201; p. 1216.
- Gloves. Sears, Roebuck and Co. No. 99,653; Sept. 8; Gaz. vol. 206; p. 586.
- Gloves. John Wanamaker, Philadelphia. No. 95,856; Mar. 17; Gaz. vol. 200; p. 854.
- Gloves and certain named clothing for ladies and children. Bath. J. & J. Cash. No. 94,882; Jan. 13; Gaz. vol. 198; p. 490.
- Gloves and underwear, Silk. Schuylkill Silk Mills. No. 98,703; July 28; Gaz. vol. 204; p. 1341.
- Gloves, Auto-. The La Crosse Knitting Works. No. 95,220; Feb. 3; Gaz. vol. 199; p. 302.
- Gloves, Fabric. Geo. Borgfeldt & Co. No. 97,522; June 9; Gaz. vol. 203; p. 597.
- Gloves, Fabric. Geo. Borgfeldt & Co. No. 97,674; June 16; Gaz. vol. 203; p. 921.
- Gloves, Kid. J. M. Chanut & Cie. No. 96,643; Apr. 28; Gaz. vol. 201; p. 1213.
- Gloves, Kid. J. & D. Lehman Co. No. 98,403; July 14; Gaz. vol. 204; p. 670.
- Gloves, Kid. J. & D. Lehman Co. Nos. 98,668-72; July 28; Gaz. vol. 204; p. 1340.
- Gloves, Leather. V. Perrin & Cie. No. 98,416; July 14; Gaz. vol. 204; p. 671.
- Gloves, overalls, and hosiery. Segal & Pransky. No. 100,435; Oct. 20; Gaz. vol. 207; p. 925.
- Glucose. L. Hageners & Company. No. 95,219; Feb. 3; Gaz. vol. 199; p. 302.
- Glue. Kantorowicz & Co. No. 100,343; Oct. 20; Gaz. vol. 207; p. 922.
- Glue, Gelatin. Vereinigte Lederleimfabriken vorm. J. E. Jense Aktien Gesellschaft. No. 100,454; Oct. 20; Gaz. vol. 207; p. 925.
- Glues, adhesive gums, pastes, and sizings. Penn Glue Company. No. 95,468; Feb. 17; Gaz. vol. 199; p. 935.
- Goggles, Automobile-. T. A. Willson & Co. No. 99,526; Sept. 1; Gaz. vol. 206; p. 310.
- Gold and silver or plated with precious metal, Certain articles made of. Goldsmith, Stern & Co. No. 95,904; Mar. 24; Gaz. vol. 200; p. 1110.
- Golf-balls. The North British Rubber Company. No. 95,339; Feb. 10; Gaz. vol. 199; p. 612.
- Golf-balls. The Worthington Ball Company. No. 97,582; June 9; Gaz. vol. 203; p. 599.
- Golf-balls. Wright & Ditson. No. 100,685; Oct. 20; Gaz. vol. 207; p. 932.
- Golf-game apparatus, &c. J. F. Hughes. No. 100,333; Oct. 20; Gaz. vol. 207; p. 922.
- Golf-heads. B. Sayers and Sons. No. 101,535; Dec. 22; Gaz. vol. 209; p. 1314.
- Golf-heads, Iron. Hendry & Bishop. No. 97,848; June 23; Gaz. vol. 203; p. 1256.
- Golf set in carrying-case, Juvenile. D. C. Baker. No. 97,128; May 19; Gaz. vol. 202; p. 948.
- Gowns, mantles, fur garments, women's underwear. Worth. No. 96,618; Apr. 21; Gaz. vol. 201; p. 901.
- Grain, Brewers'. K. & E. Neumond. No. 96,597; Apr. 21; Gaz. vol. 201; p. 901.
- Grain, Brewers'. K. & E. Neumond. No. 97,637; June 16; Gaz. vol. 203; p. 920.
- Grain-cleaning machinery and the like. The Invincible Grain Cleaner Co. No. 97,541; June 9; Gaz. vol. 203; p. 597.
- Grain-drills and parts thereof. International Harvester Company of New Jersey. No. 96,023; Mar. 31; Gaz. vol. 200; p. 1386.
- Grain separating and cleaning machinery. Huntley Manufacturing Company. No. 96,808; May 5; Gaz. vol. 202; p. 310.
- Grains, Brewers' dried. Milwaukee Grains & Feed Company. No. 99,612; Sept. 8; Gaz. vol. 206; p. 585.
- Granite blocks and monumental stones. Boutwell, Milne & Varnum Co. No. 95,516; Feb. 24; Gaz. vol. 199; p. 1239.
- Grape-fruit. J. A. Wood. No. 98,229; July 7; Gaz. vol. 204; p. 312.
- Grape-fruit, oranges, and pineapples. J. W. and H. W. Brown. No. 96,396; Apr. 21; Gaz. vol. 201; p. 895.
- Grape-fruit, oranges, kumquats, &c., Fresh. The St. Lucie Fruit Co. No. 99,658; Sept. 8; Gaz. vol. 206; p. 586.
- Grape-fruit, tangerines, and oranges. W. Wallace, Jr. No. 100,732; Oct. 20; Gaz. vol. 207; p. 934.
- Grape-juice. Du Belle Grape Juice Co. No. 100,489; Oct. 20; Gaz. vol. 207; p. 926.
- Grape-juice. John Sexton & Company. No. 96,196; Apr. 7; Gaz. vol. 201; p. 264.
- Grapes. Redbanks Orchard Company. No. 96,829; May 5; Gaz. vol. 202; p. 310.
- Grapes, Fresh. G. C. Francis. No. 95,903; Mar. 24; Gaz. vol. 200; p. 1110.
- Graphite, Pulverized. The United States Graphite Company. Nos. 96,740-52; Apr. 28; Gaz. vol. 201; pp. 1216-17.
- Graphite, Pulverized. The United States Graphite Company. Nos. 96,838-9; May 5; Gaz. vol. 202; p. 311.
- Graphite, Pulverized. The United States Graphite Company. No. 97,018; May 12; Gaz. vol. 202; p. 629.
- Greases and oils, Tanning. L. Prenzlau's Fabrikwerke. No. 100,408; Oct. 20; Gaz. vol. 207; p. 924.

Alphabetical list of trade-marks—Continued.

- Greases and oils, Tanning. L. Prenzlau's Fabrikwerke. No. 100,615; Oct. 20; Gaz. vol. 207; p. 930.
- Greases, Graphited-wood. The United States Graphite Company. No. 96,754; Apr. 28; Gaz. vol. 201; p. 1217.
- Grinding-disks. Charles H. Besly & Company. No. 96,230; Apr. 14; Gaz. vol. 201; p. 563.
- Grinding-disks. Charles H. Besly & Company. No. 98,623; July 28; Gaz. vol. 204; p. 1339.
- Grist and grinding mills, Hand. A. H. Patch Incorporated. No. 95,142; Feb. 3; Gaz. vol. 199; p. 300.
- Guano and fertilizers. The Home Guano Company. No. 99,153; Aug. 18; Gaz. vol. 205; p. 1017.
- Guides and travelers' handbooks. K. Baedeker. No. 95,592; Mar. 3; Gaz. vol. 200; p. 273.
- Guimpes and semiwaists, Ladies'. Timothy F. Crowley, Inc. No. 98,369; July 14; Gaz. vol. 204; p. 671.
- Gum and gum products, Chewing. Frank H. Fleer Corporation. No. 97,963; June 30; Gaz. vol. 203; p. 1550.
- Gum, Antitoxin chewing-. W. F. Cutler. No. 99,566; Sept. 8; Gaz. vol. 206; p. 584.
- Gum, Chewing-. Alrick & Callahan. No. 95,193; Feb. 3; Gaz. vol. 199; p. 301.
- Gum, Chewing-. Autosales Gum and Chocolate Company. No. 98,618; July 28; Gaz. vol. 204; p. 1339.
- Gum, Chewing-. The Bee Bee Confection Company. No. 99,683; Sept. 15; Gaz. vol. 206; p. 869.
- Gum, Chewing-. Bon-Bon Company. No. 100,193; Oct. 13; Gaz. vol. 207; p. 605.
- Gum, Chewing-. S. W. Eddy. No. 98,047; June 30; Gaz. vol. 203; p. 1552.
- Gum, Chewing-. G. Elmendorf. No. 100,528; Oct. 20; Gaz. vol. 207; p. 927.
- Gum, Chewing-. Frank H. Fleer Corporation. Nos. 98,504-5; July 21; Gaz. vol. 204; p. 1006.
- Gum, Chewing-. Franklin Caro Co. No. 99,871; Sept. 22; Gaz. vol. 206; p. 1158.
- Gum, Chewing-. L. P. Larson, Jr., Co. No. 98,540; July 21; Gaz. vol. 204; p. 1007.
- Gum, Chewing-. P. J. Nagle. No. 96,160; Apr. 7; Gaz. vol. 201; p. 263.
- Gum, Chewing-. National Chicle Concern. No. 97,996; June 30; Gaz. vol. 203; p. 1550.
- Gum, Chewing-. J. Pantazin Co. No. 96,456; Apr. 21; Gaz. vol. 201; p. 897.
- Gum, Chewing-. M. M. Raub. No. 95,561; Feb. 24; Gaz. vol. 199; p. 1240.
- Gum, Chewing-. Scout Gum Co. No. 98,322; July 7; Gaz. vol. 204; p. 315.
- Gum, Chewing-. The Stern & Saalberg Company. No. 100,444; Oct. 20; Gaz. vol. 207; p. 925.
- Gum, Chewing-. W. J. White Chicle Co. No. 95,583; Feb. 24; Gaz. vol. 199; p. 1241.
- Gum, Chewing-. Wm. Wrigley Jr. Company. Nos. 100,058-70; Sept. 29; Gaz. vol. 206; pp. 1434-5.
- Gum, Shellac. Berry Brothers. No. 99,192; Aug. 25; Gaz. vol. 205; p. 1315.
- Gums. Chas. S. Tanner Company. No. 100,650; Oct. 20; Gaz. vol. 207; p. 931.
- Gutta-percha substitute. H. Voss. No. 97,919; June 23; Gaz. vol. 203; p. 1258.
- Hair and scalp tonic. The Vola-Vita Company. No. 98,340; July 7; Gaz. vol. 204; p. 316.
- Hair, Cleansing-powder to be dissolved in water and used as a wash for false. Re-Nu Mfg. Co. No. 94,831; Jan. 6; Gaz. vol. 198; p. 236.
- Hair color-restoring compound, Gray-. J. L. Gargaro. No. 101,280; Nov. 24; Gaz. vol. 208; p. 1351.
- Hair-curlers. N. L. Ozmun. No. 95,845; Mar. 17; Gaz. vol. 200; p. 853.
- Hair-dye preparations. A. MacKinstry. No. 96,525; Apr. 21; Gaz. vol. 201; p. 899.
- Hair elixir. F. C. Francek & Co. No. 96,877; May 5; Gaz. vol. 202; p. 312.
- Hair goods, Human-. S. Glenby, Inc. No. 97,836; June 23; Gaz. vol. 203; p. 1256.
- Hair-grower. A. H. Ross. No. 97,357; June 2; Gaz. vol. 203; p. 298.
- Hair-grower and dandruff-remover. A. S. O'Mahoney. No. 98,554; July 21; Gaz. vol. 204; p. 1008.
- Hair-grower salve. A. F. De Patie. No. 97,406; June 2; Gaz. vol. 203; p. 300.
- Hair, Human. Human Hair Goods Industry. No. 100,824; Oct. 27; Gaz. vol. 207; p. 1243.
- Hair, Hygienic and cosmetic preparations for. P. Beiersdorf & Co. No. 98,463; July 21; Gaz. vol. 204; p. 1005.
- Hair-invigorator and remedy for diseases of the scalp, &c. M. Artch. No. 98,034; June 30; Gaz. vol. 203; p. 1552.
- Hair-nets. E. Armbruster, late Miss Haibl. No. 100,241; Oct. 20; Gaz. vol. 207; p. 919.
- Hair-nets. Geo. Borgfeldt & Co. No. 95,202; Feb. 3; Gaz. vol. 199; p. 301.
- Hair-nets. Geo. Borgfeldt & Co. No. 96,863; May 5; Gaz. vol. 202; p. 311.
- Hair-nets. H. Daumas. No. 97,325; June 2; Gaz. vol. 203; p. 297.
- Hair-nets. H. Daumas. No. 98,254; July 7; Gaz. vol. 204; p. 313.
- Hair-nets. E. David. No. 98,642; July 28; Gaz. vol. 204; p. 1340.
- Hair-nets. Dieckerhoff, Raffloer & Company. No. 98,046; June 30; Gaz. vol. 203; p. 1552.
- Hair-nets. Ehlerman Brothers Co. No. 98,863; Aug. 4; Gaz. vol. 205; p. 301.
- Hair-nets. A. Klar. No. 100,350; Oct. 20; Gaz. vol. 207; p. 922.
- Hair-nets. Marlowe Manufacturing Company. Nos. 98,880-1; Aug. 4; Gaz. vol. 205; p. 301.
- Hair-nets. Marlowe Manufacturing Company. No. 100,577; Oct. 20; Gaz. vol. 207; p. 929.
- Hair-nets. Marshall Field & Company. No. 94,897; Jan. 13; Gaz. vol. 198; p. 490.
- Hair-nets. Marshall Field & Company. No. 98,269; July 7; Gaz. vol. 204; p. 313.
- Hair-nets. Silverberg Import Co. No. 94,952; Jan. 13; Gaz. vol. 198; p. 492.
- Hair-nets. Strauss Bros. & Co. No. 97,372; June 2; Gaz. vol. 203; p. 299.
- Hair-nets and face-chamois. K. Landau & Co. No. 99,108; Aug. 18; Gaz. vol. 205; p. 1016.
- Hair-nets, veilings, malines, &c. Burnstine & Nachman. No. 97,676; June 16; Gaz. vol. 203; p. 921.
- Hair-pins. Kirby Beard & Co. No. 96,228; Apr. 14; Gaz. vol. 201; p. 563.
- Hair-pins. Pacific Novelty Company. No. 95,846; Mar. 17; Gaz. vol. 200; p. 853.
- Hair-pins and hair-ornaments. The Viscoloid Company. No. 99,029; Aug. 11; Gaz. vol. 205; p. 658.
- Hair-pins. Celluloid and horn. Pacific Novelty Company. No. 95,779; Mar. 10; Gaz. vol. 200; p. 578.
- Hair, Preparation for the. W. J. Deegan. No. 95,706; Mar. 3; Gaz. vol. 200; p. 276.
- Hair-restorative and face-cream. L. B. Grant. No. 101,516; Dec. 22; Gaz. vol. 209; p. 1313.
- Hair-restorer. F. W. Gent. No. 94,810; Jan. 6; Gaz. vol. 198; p. 235.
- Hair-restorer. J. Pavelkovitz. No. 95,716; Mar. 3; Gaz. vol. 200; p. 276.
- Hair-restorer. Van Vleet Mansfield Drug Co. No. 95,270; Feb. 3; Gaz. vol. 199; p. 303.
- Hair-restoring and antiseptic lotion. F. Giffoni. No. 97,765; June 16; Gaz. vol. 203; p. 924.
- Hair rolls and puffs. The Hairlight Company. No. 98,868; Aug. 4; Gaz. vol. 205; p. 301.
- Hair switches and wigs. Sitroux Importing Co. No. 101,538; Dec. 22; Gaz. vol. 209; p. 1314.
- Hair-tonic. J. C. Ayer Co. No. 96,087; Apr. 7; Gaz. vol. 201; p. 261.
- Hair-tonic. Baldpate Co. No. 99,935; Sept. 29; Gaz. vol. 206; p. 1431.
- Hair-tonic. M. Baumann. No. 95,289; Feb. 10; Gaz. vol. 199; p. 611.
- Hair-tonic. G. M. Crooker. No. 98,133; July 7; Gaz. vol. 204; p. 309.
- Hair-tonic. M. Geveshausen. No. 98,948; Aug. 11; Gaz. vol. 205; p. 656.
- Hair-tonic. The Haral Co. No. 96,511; Apr. 21; Gaz. vol. 201; p. 898.
- Hair-tonic. R. A. Hopkins. No. 94,996; Jan. 20; Gaz. vol. 198; p. 699.
- Hair-tonic. Koken Barbers' Supply Company. No. 100,354; Oct. 20; Gaz. vol. 207; p. 922.
- Hair-tonic. Olo Voil Manufacturing Co. No. 96,988; May 12; Gaz. vol. 202; p. 628.
- Hair-tonic. The Rosenet Company. No. 96,540; Apr. 21; Gaz. vol. 201; p. 899.
- Hair-tonic. M. Sullivan. No. 96,545; Apr. 21; Gaz. vol. 201; p. 899.
- Hair-tonic. D. E. Wright. No. 97,384; June 2; Gaz. vol. 203; p. 299.
- Hair-tonic and dandruff remedy. J. Clausen. No. 97,323; June 2; Gaz. vol. 203; p. 297.
- Hair tonic and dye, cold and massage creams, &c. Warshaw Brothers. No. 98,838; Aug. 4; Gaz. vol. 205; p. 300.
- Hair-tonic and liniment. J. T. Moulton Co. No. 95,460; Feb. 17; Gaz. vol. 199; p. 935.
- Hair-tonic and skin-creams. H. A. Moore. No. 95,553; Feb. 24; Gaz. vol. 199; p. 1240.
- Hair- tonic and toilet water. N. Kanter & Son. No. 99,471; Sept. 1; Gaz. vol. 206; p. 308.
- Hair-tonic, scalp-cleaner, skin-lotion, &c. John H. Woodbury Dermatological Institute. No. 101,612; Dec. 29; Gaz. vol. 209; p. 1688.
- Hair tonics and dressings. J. C. Ayer Company. No. 95,729; Mar. 10; Gaz. vol. 200; p. 577.
- Hair tonics and dyes. Orinoka Pharmacal Company. No. 100,389; Oct. 20; Gaz. vol. 207; p. 923.
- Hair-treating medicaments. A. J. Ristorcelli. Nos. 98,565-6; July 21; Gaz. vol. 204; p. 1008.
- Hames and parts. U. S. Hame Company. No. 100,546; Oct. 20; Gaz. vol. 207; p. 928.
- Hammocks. The George Worthington Company. No. 95,970; Mar. 24; Gaz. vol. 200; p. 1112.
- Hams, bacon, and lard. White Provision Company. No. 98,026; June 30; Gaz. vol. 203; p. 1551.
- Hams, bacon, smoked beef, and sausage. G. P. Hutchins. No. 101,251; Nov. 17; Gaz. vol. 208; p. 983.
- Hams, boiled hams, picnics, and bacon. J. T. McMillan Company. No. 95,456; Feb. 17; Gaz. vol. 199; p. 935.

Alphabetical list of trade-marks—Continued.

- Hams, shoulders, backs, jowls, &c. Indianapolis Abattoir Company. No. 98,529; July 21; Gaz. vol. 204; p. 1007.
- Hand-cleaning compound. J. T. Norman. No. 98,550; July 21; Gaz. vol. 204; p. 1008.
- Handkerchiefs. The Acheson Harden Company. No. 96,621; Apr. 28; Gaz. vol. 201; p. 1213.
- Handkerchiefs. Carson, Pirie, Scott & Co. No. 98,632; July 28; Gaz. vol. 204; p. 1339.
- Handkerchiefs. The H. B. Cladin Company. No. 95,301; Feb. 10; Gaz. vol. 199; p. 611.
- Handkerchiefs. Herrmann, Aukam & Co. Nos. 97,769-70; June 16; Gaz. vol. 203; p. 924.
- Handkerchiefs. Herrmann, Aukam & Co. Nos. 99,581-5; Sept. 8; Gaz. vol. 206; p. 584.
- Handkerchiefs. Herrmann, Aukam & Co. No. 100,549; Oct. 20; Gaz. vol. 207; p. 928.
- Handkerchiefs. Herrmann Aukam & Co. No. 100,816; Oct. 27; Gaz. vol. 207; p. 1243.
- Handkerchiefs. Herrmann, Aukam & Co. No. 101,046; Nov. 10; Gaz. vol. 208; p. 651.
- Handkerchiefs. A. G. Ritchie. No. 100,622; Oct. 20; Gaz. vol. 207; p. 930.
- Hardware and plumbing supplies, Certain named. Felten & Guilleaume Carlswerk Actien-Gesellschaft. No. 98,944; Aug. 11; Gaz. vol. 205; p. 656.
- Hardware and plumbing supplies, Certain named. Kohler Co. No. 94,999; Jan. 20; Gaz. vol. 198; p. 699.
- Hardware and plumbing supplies, Certain named. A. O. Meyer. No. 95,836; Mar. 17; Gaz. vol. 200; p. 853.
- Hardware and supplies, Certain named. Watrous Mfg. Co. No. 99,372; Aug. 25; Gaz. vol. 205; p. 1320.
- Hardware, plumbing and steam-fitting supplies, Certain named. The American Pin Company. No. 101,500; Dec. 22; Gaz. vol. 209; p. 1313.
- Hardware supplies, Certain named. Sargent & Company. No. 98,698; July 28; Gaz. vol. 204; p. 1341.
- Harmonicas, Mouth-. Strauss Bros. & Co. No. 98,331; July 7; Gaz. vol. 204; p. 315.
- Harmonium-tongues. Gebr. Dix. No. 98,755; Aug. 4; Gaz. vol. 205; p. 297.
- Harness, horse-collars, harness and baggage straps. Robinson-McGill Mfg. Co. No. 96,718; Apr. 28; Gaz. vol. 201; p. 1216.
- Harness-saddles. The W. H. Hoover Company. No. 96,807; May 5; Gaz. vol. 202; p. 310.
- Harness, saddles, collars, bridles, and horse-clothing. Benj. T. Crump Co. No. 95,891; Mar. 24; Gaz. vol. 200; p. 1110.
- Harrows and parts thereof. International Harvester Company of New Jersey. No. 96,022; Mar. 31; Gaz. vol. 200; p. 1386.
- Harrows and parts thereof. International Harvester Company of New Jersey. No. 96,024; Mar. 31; Gaz. vol. 200; p. 1386.
- Harrows and parts thereof, Disk. International Harvester Company of New Jersey. No. 97,858; June 23; Gaz. vol. 203; p. 1256.
- Hat and bonnet frames, Materials for making. W. Rosenfield. No. 99,635; Sept. 8; Gaz. vol. 206; p. 586.
- Hat-bandeaux. A. H. Woodfield. No. 95,814; Mar. 10; Gaz. vol. 200; p. 579.
- Hat, Linen washable. Hirschberg & Co. No. 98,661; July 28; Gaz. vol. 204; p. 1340.
- Hats. J. T. Caradine. No. 95,058; Feb. 3; Gaz. vol. 199; p. 297.
- Hats. Matteawan Manufacturing Company. No. 97,870; June 23; Gaz. vol. 203; p. 1257.
- Hats. C. M. Phipps, Inc. No. 94,929; Jan. 13; Gaz. vol. 198; p. 491.
- Hats. Vogue Hat Company. No. 100,658; Oct. 20; Gaz. vol. 207; p. 931.
- Hats. The Wear-U-Well Shoe Company. No. 96,703; Apr. 28; Gaz. vol. 201; p. 1217.
- Hats and caps. Hodshon Hat Co. No. 98,056; June 30; Gaz. vol. 203; p. 1552.
- Hats and caps. The Knox Hat Manufacturing Company. No. 99,473; Sept. 1; Gaz. vol. 206; p. 308.
- Hats and caps, Men's. J. T. Newmark. No. 95,778; Mar. 10; Gaz. vol. 200; p. 578.
- Hats, bonnets, and caps. Frankel, Frank & Co. No. 98,865; Aug. 4; Gaz. vol. 205; p. 301.
- Hats, caps, bonnets, and hoods. Moorhead & Jardine Co. No. 97,262; May 26; Gaz. vol. 202; p. 1255.
- Hats for men and boys. M. S. Levy & Sons. No. 96,309; Apr. 14; Gaz. vol. 201; p. 565.
- Hats, Ladies'. G. Rawak. No. 99,118; Aug. 18; Gaz. vol. 205; p. 1016.
- Hats, Ladies'. A. C. Rothstein. No. 95,015; Jan. 20; Gaz. vol. 198; p. 700.
- Hats, Men's and boys'. Weber & Heilbronner. No. 98,345; July 7; Gaz. vol. 204; p. 316.
- Hats, Straw. Bronston Bros. & Co. No. 94,800; Jan. 6; Gaz. vol. 198; p. 235.
- Hats, Straw. Pacific Commercial Company. No. 99,622; Sept. 8; Gaz. vol. 206; p. 585.
- Hay-fever, catarrhal conditions, and eye-wash. E. Roller. No. 100,032; Sept. 29; Gaz. vol. 206; p. 1434.
- Hay-loaders. Sandwich Manufacturing Co. No. 100,013; Nov. 3; Gaz. vol. 208; p. 335.
- Head tonic and rub, shampoo liquor, toilet water and creams, &c. P. Eisemann. No. 96,505; Apr. 21; Gaz. vol. 201; p. 898.
- Headache-powder. R. J. Fritz. No. 98,945; Aug. 11; Gaz. vol. 205; p. 656.
- Headlights, driving, &c., devices therefor, Electric. Pyle-National Electric Headlight Company. No. 101,254; Nov. 17; Gaz. vol. 208; p. 983.
- Heat-producer and smoke-reducer used on coal, coke, and other fuels. Nitro-Ignitum Mfg. Co. No. 99,900; Sept. 22; Gaz. vol. 206; p. 1159.
- Heat-refractory materials. Norton Company. Nos. 101,193-4; Nov. 17; Gaz. vol. 208; p. 981.
- Heat-refractory plates, tubes, muffles, &c. Norton Company. Nos. 100,998-9; Nov. 3; Gaz. vol. 208; pp. 334-5.
- Herbs and seeds for flavoring cooked dishes, Ground. O. O. Millar. No. 97,631; June 16; Gaz. vol. 203; p. 920.
- Hides. Staudt & Co. No. 101,230; Nov. 17; Gaz. vol. 208; p. 982.
- Hides and leather. Wilder & Company. No. 95,694; Mar. 3; Gaz. vol. 200; p. 276.
- Hides and skins. Edes Robe Tanning Company. No. 97,828; June 23; Gaz. vol. 203; p. 1255.
- Hides and skins. Kaufherr & Co. No. 95,112; Feb. 3; Gaz. vol. 199; p. 299.
- Hides. Tanned. Charles A. Schieren Company. No. 95,157; Feb. 3; Gaz. vol. 199; p. 300.
- Hinges. A. Dupeyron. No. 97,759; June 16; Gaz. vol. 203; p. 924.
- Hinges, locks, metallic valves, bells other than electric, &c. A. O. Meyer. No. 98,173; July 7; Gaz. vol. 204; p. 311.
- Hinges, springs, chains, &c. Daimler-Motoren Gesellschaft. Nos. 97,681-2; June 16; Gaz. vol. 203; p. 921.
- Hoes. G. E. Newman. No. 98,075; June 30; Gaz. vol. 203; p. 1553.
- Hog-cholera treatment and prevention. The Thiele Laboratories Company. No. 101,475; Dec. 15; Gaz. vol. 209; p. 1050.
- Hog-cholera treatment and prevention. The Thiele Laboratories Company. No. 101,547; Dec. 22; Gaz. vol. 209; p. 1314.
- Hog diseases and ailments, Remedy for certain named. Carson & Perry. No. 101,131; Nov. 17; Gaz. vol. 208; p. 979.
- Honey. Western Honey Producers. No. 100,231; Oct. 13; Gaz. vol. 207; p. 606.
- Honey and cane-syrup. G. Preston. No. 99,238; Aug. 25; Gaz. vol. 205; p. 1316.
- Honey, olive-oil, and almonds. Carmel Wine Company. No. 100,093; Oct. 6; Gaz. vol. 207; p. 293.
- Hooks and clamps, wrenches, Bench. H. R. Mitchell. No. 100,861; Oct. 27; Gaz. vol. 207; p. 1244.
- Hooks and eyes. S. Kann Sons & Co. No. 99,102; Aug. 18; Gaz. vol. 205; p. 1016.
- Hooks and eyes. Peet Brothers. No. 97,350; June 2; Gaz. vol. 203; p. 298.
- Hooks, metallic hose-coverings, hose-couplings, &c., Belt-. Mulconroy Company. No. 97,776; June 16; Gaz. vol. 203; p. 924.
- Hop extract of cereals, Unfermented. Grain Juice Company. No. 99,877; Sept. 22; Gaz. vol. 206; p. 1158.
- Hops. C. S. Dillenback. Nos. 97,756-8; June 16; Gaz. vol. 203; p. 924.
- Hops. Firm of S. S. Steiner. No. 101,336; Nov. 24; Gaz. vol. 208; p. 1353.
- Horn, Artificial. Internationale Galalith-Gesellschaft Hoff & Co. No. 95,629; Mar. 3; Gaz. vol. 200; p. 274.
- Horns for motor-cars, &c., Electrical. Riley-Klotz Manufacturing Company. No. 101,010; Nov. 3; Gaz. vol. 208; p. 335.
- Horse equipments, Certain named. John Dewsbury & Son. No. 95,306; Feb. 10; Gaz. vol. 199; p. 611.
- Horse equipments, Certain named. Montgomery-Washburn Company. No. 95,552; Feb. 24; Gaz. vol. 199; p. 1240.
- Horse equipments, Certain named. G. H. Schoellkopf Saddlery Co. No. 97,278; May 26; Gaz. vol. 202; p. 1255.
- Horse equipments, nets, trunks, suitcases, &c. Schwahn-Seyberth Saddlery Co. No. 95,485; Feb. 17; Gaz. vol. 199; p. 936.
- Horse-nails. The Capewell Horse Nail Company. No. 95,819; Mar. 17; Gaz. vol. 200; p. 853.
- Horse-radish. Lane & Hawkins Manufacturing Company, (not incorporated.) No. 96,428; Apr. 21; Gaz. vol. 201; p. 896.
- Hose. Thieme Bros. Co. No. 99,028; Aug. 11; Gaz. vol. 205; p. 658.
- Hose, asbestos packing, rubber pump-valves, springs, &c., Flexible-armor. Mulconroy Company. No. 96,033; Mar. 31; Gaz. vol. 200; p. 1387.
- Hose and other hosiery, Men's half-. Durbin-Mellon Hosiery Company. No. 98,647; July 28; Gaz. vol. 204; p. 1340.
- Hose and packing. Hudson & Thurber Co. No. 96,215; Aug. 25; Gaz. vol. 205; p. 1315.
- Hose, Linen. Charles Niedner's Sons Co. No. 100,873; Oct. 27; Gaz. vol. 207; p. 1245.

Alphabetical list of trade-marks—Continued.

- Hose, Silk and lisle. Wayne Knitting Mills. No. 94,965; Jan. 13; Gaz. vol. 198; p. 492.
- Hose-supporters. C. J. Higley. No. 99,586; Sept. 8; Gaz. vol. 206; p. 584.
- Hose-supporters. C. J. Higley. No. 100,331; Oct. 20; Gaz. vol. 207; p. 922.
- Hose-supporters. A. Stein & Company. No. 99,510; Sept. 1; Gaz. vol. 206; p. 310.
- Hose-supporters and suspenders. L. E. Berebaum. No. 98,242; July 7; Gaz. vol. 204; p. 313.
- Hose, tubing, belting, &c. Imperial Rubber Co. No. 100,825; Oct. 27; Gaz. vol. 207; p. 1243.
- Hosiery. Aetna Hosiery Company. No. 94,848; Jan. 13; Gaz. vol. 198; p. 489.
- Hosiery. Baker, Moise & Co. No. 98,356; July 14; Gaz. vol. 204; p. 669.
- Hosiery. M. Bormann. No. 95,882; Mar. 24; Gaz. vol. 200; p. 1109.
- Hosiery. William Brown Company. Nos. 100,494-5; Oct. 20; Gaz. vol. 207; p. 926.
- Hosiery. J. W. Cannon. No. 100,501; Oct. 20; Gaz. vol. 207; p. 927.
- Hosiery. H. H. Condit. No. 99,282; Aug. 25; Gaz. vol. 205; p. 1317.
- Hosiery. T. B. Corpening. No. 100,515; Oct. 20; Gaz. vol. 207; p. 927.
- Hosiery. Durham Hosiery Mills. No. 98,938; Aug. 11; Gaz. vol. 205; p. 655.
- Hosiery. John M. Given, Inc. Nos. 101,378-9; Dec. 8; Gaz. vol. 209; p. 679.
- Hosiery. Gurdin & Stieglitz. No. 97,610; June 16; Gaz. vol. 203; p. 919.
- Hosiery. Haddon Hosiery Co. No. 96,670; Apr. 28; Gaz. vol. 201; p. 1214.
- Hosiery. Halcyon Knitting Mills Co. Nos. 96,284-5; Apr. 14; Gaz. vol. 201; p. 565.
- Hosiery. B. Hart & Bro. No. 95,098; Feb. 3; Gaz. vol. 199; p. 299.
- Hosiery. E. A. Hirner. No. 97,054; May 19; Gaz. vol. 202; p. 946.
- Hosiery. Interwoven Stocking Company. No. 96,591; Apr. 21; Gaz. vol. 201; p. 901.
- Hosiery. Interwoven Stocking Company. No. 100,337; Oct. 20; Gaz. vol. 207; p. 922.
- Hosiery. H. Knobloch & Co. No. 97,253; May 26; Gaz. vol. 202; p. 1254.
- Hosiery. W. B. Kohlman. No. 100,560; Oct. 20; Gaz. vol. 207; p. 928.
- Hosiery. J. W. Landenberger & Co. Nos. 99,602-5; Sept. 8; Gaz. vol. 206; p. 585.
- Hosiery. Lindeke, Warner & Sons. No. 95,446; Feb. 17; Gaz. vol. 199; p. 935.
- Hosiery. Maduro Mercantile Co. No. 96,594; Apr. 21; Gaz. vol. 201; p. 901.
- Hosiery. Marshall Field & Company. No. 95,899; Mar. 24; Gaz. vol. 200; p. 1110.
- Hosiery. Marshall Field & Company. No. 96,004; Mar. 31; Gaz. vol. 200; p. 1386.
- Hosiery. Paramount Knitting Company. No. 100,392; Oct. 20; Gaz. vol. 207; p. 923.
- Hosiery. Protex Hosiery Company. No. 100,617; Oct. 20; Gaz. vol. 207; p. 930.
- Hosiery. G. V. S. Quackenbush & Co. No. 98,418; July 14; Gaz. vol. 204; p. 671.
- Hosiery. Richardson Dry Goods Co. No. 95,229; Feb. 3; Gaz. vol. 199; p. 302.
- Hosiery. Stern Brothers. No. 95,796; Mar. 10; Gaz. vol. 200; p. 579.
- Hosiery. A. Stieglitz & Co. No. 97,789; June 16; Gaz. vol. 203; p. 925.
- Hosiery. Sulloway Mills. No. 95,130; Feb. 3; Gaz. vol. 199; p. 299.
- Hosiery. Sulloway Mills. Nos. 96,530-1; Apr. 21; Gaz. vol. 201; p. 898.
- Hosiery. E. M. Townsend & Co. No. 98,440; July 14; Gaz. vol. 204; p. 671.
- Hosiery. Tryon Hosiery Company. No. 99,131; Aug. 18; Gaz. vol. 205; p. 1016.
- Hosiery and certain named knitted underwear. E. M. Townsend. No. 95,805; Mar. 10; Gaz. vol. 200; p. 579.
- Hosiery and knit goods. Encore Hosiery Company. No. 95,415; Feb. 17; Gaz. vol. 199; p. 934.
- Hosiery and knit underwear. The H. B. Claffin Company. No. 95,523; Feb. 24; Gaz. vol. 199; p. 1239.
- Hosiery and knitted under and outer wear. E. M. Beebe. No. 95,290; Feb. 10; Gaz. vol. 199; p. 611.
- Hosiery and underwear. F. Meyer & Sons. No. 95,775; Mar. 10; Gaz. vol. 200; p. 578.
- Hosiery. Men's and boys'. Rice-Stix Dry Goods Company. No. 99,634; Sept. 8; Gaz. vol. 206; p. 586.
- Hosiery, sweaters, knit underwear, &c. Wellworth Mills Company. No. 98,908; Aug. 4; Gaz. vol. 205; p. 302.
- Household furnishings made from textile materials, Certain named. Ernest Simons Mfg. Co. No. 96,355; Apr. 14; Gaz. vol. 201; p. 566.
- Ice-cream. Borden's Condensed Milk Co. No. 96,861; May 5; Gaz. vol. 202; p. 311.
- Ice-cream. The Ohio Dairy Company. No. 95,936; Mar. 24; Gaz. vol. 200; p. 1111.
- Ice-cream. J. Z. Taylor. No. 95,491; Feb. 17; Gaz. vol. 199; p. 936.
- Ice-cream, butter, milk, and cream. The Licking Creamery Company. No. 100,569; Oct. 20; Gaz. vol. 207; p. 929.
- Ice-cream cones. Bessire & Company. No. 97,204; May 26; Gaz. vol. 202; p. 1253.
- Ice-cream cones. G. Y. Yasumura. No. 101,350; Nov. 24; Gaz. vol. 208; p. 1353.
- Ice-creams and ices. T. D. Cook & Co. No. 99,949; Sept. 29; Gaz. vol. 206; p. 1431.
- Icing for cakes, &c. Edouard D. Kruse Company. No. 97,622; June 16; Gaz. vol. 203; p. 920.
- Icing, Prepared. French Fondant Co. No. 97,966; June 30; Gaz. vol. 203; p. 1550.
- Icings and fondant-creams. French Fondant Co. No. 98,506; July 21; Gaz. vol. 204; p. 1006.
- Impression-holders used in dentistry. The L. D. Caulk Company. No. 101,563; Dec. 29; Gaz. vol. 209; p. 1687.
- Incandescent gas-mantles. W. R. Noe & Sons. Nos. 97,553-4; June 9; Gaz. vol. 203; p. 598.
- Incinerators, garbage-consumers, sanitary toilets, &c. United States Incinerator Company. No. 97,917; June 23; Gaz. vol. 203; p. 1258.
- Inhalant and fever and cathartic tablets. Webster Chemical Company. No. 96,474; Apr. 21; Gaz. vol. 201; p. 897.
- Inhalants for nasal and bronchial affections. C. A. Spirk. No. 94,838; Jan. 6; Gaz. vol. 198; p. 236.
- Inhaler, Menthol. Pardridge Mfg. Co. Nos. 100,393-4; Oct. 20; Gaz. vol. 207; p. 923.
- Initials and embroidery designs. Felt Embroidery Form Company. No. 100,310; Oct. 20; Gaz. vol. 207; p. 921.
- Injectors, lubricators, boiler-checks, &c. Nathan Manufacturing Company. No. 101,313; Nov. 24; Gaz. vol. 208; p. 1352.
- Ink. C. C. Truax & Company. No. 95,178; Feb. 3; Gaz. vol. 199; p. 301.
- Ink, and dry colors, and carbon used for same, Printing and lithographing. Geo. H. Morrill Co. No. 98,308; July 7; Gaz. vol. 204; p. 315.
- Ink containers, Printers'. The Ullman-Philpott Company. No. 97,092; May 19; Gaz. vol. 202; p. 947.
- Ink, Drying compound for printing. R. M. Jones. No. 98,058; June 30; Gaz. vol. 203; p. 1552.
- Ink-ribbons for time-printing machines. Calculagraph Company. No. 99,080; Aug. 18; Gaz. vol. 205; p. 1015.
- Ink, Writing. The Commercial Paste Co. No. 101,564; Dec. 29; Gaz. vol. 209; p. 1687.
- Inks. B. Heller & Co. No. 98,773; Aug. 4; Gaz. vol. 205; p. 298.
- Inks, Dry pigment for solid and semisolid. Binney & Smith Company. No. 96,932; May 12; Gaz. vol. 202; p. 627.
- Inks, Edge, leather, and writing. R. M. Hollingshead Co. No. 99,049; Aug. 11; Gaz. vol. 205; p. 659.
- Insect-destroyer. W. C. Cumbee. No. 101,369; Dec. 8; Gaz. vol. 209; p. 679.
- Insect-destroyer. J. H. Stonecypher. No. 98,210; July 7; Gaz. vol. 204; p. 312.
- Insect-destroying preparation. Cochrane Co. No. 100,508; Oct. 20; Gaz. vol. 207; p. 927.
- Insects, Preparation for the extermination of. P. Goldberg. No. 99,150; Aug. 18; Gaz. vol. 205; p. 1017.
- Insecticide. J. D. Donnohue. No. 95,309; Feb. 10; Gaz. vol. 199; p. 612.
- Insecticide. Fulton Bag & Cotton Mills. No. 97,415; June 2; Gaz. vol. 203; p. 300.
- Insecticide. The R. M. Hollingshead Co. No. 94,816; Jan. 6; Gaz. vol. 198; p. 235.
- Insecticide. A. Laver. No. 99,111; Aug. 18; Gaz. vol. 205; p. 1016.
- Insecticide. F. McGarrett. No. 98,796; Aug. 4; Gaz. vol. 205; p. 299.
- Insecticide. Thos. Plunkett Company. No. 96,602; Apr. 21; Gaz. vol. 201; p. 901.
- Insecticide. The Radio Company. No. 94,829; Jan. 6; Gaz. vol. 198; p. 236.
- Insecticide. J. Schnarr. No. 98,202; July 7; Gaz. vol. 204; p. 311.
- Insecticide. Sprayene Company. No. 101,542; Dec. 22; Gaz. vol. 209; p. 1314.
- Insecticide. Veldop Company. No. 101,346; Nov. 24; Gaz. vol. 208; p. 1353.
- Insecticide and disinfectant. The Gem Chemical Co. No. 100,972; Nov. 3; Gaz. vol. 208; p. 334.
- Insecticide and fungicide. Combination. The Sherwin-Williams Co. No. 101,427; Dec. 8; Gaz. vol. 209; p. 681.
- Insecticide, deodorizer, and disinfectant. O. B. Sawyer. No. 94,945; Jan. 13; Gaz. vol. 198; p. 492.
- Insecticide-powder. J. R. L. Gauvreau. No. 98,946; Aug. 11; Gaz. vol. 205; p. 656.
- Insecticides. Wm. Cooper & Nephews. No. 99,950; Sept. 29; Gaz. vol. 206; p. 1431.
- Insecticides. Diamond Star Insecticide Co. No. 100,522; Oct. 20; Gaz. vol. 207; p. 927.
- Insecticides. Morris Herrmann & Co. No. 96,964; May 12; Gaz. vol. 202; p. 628.

Alphabetical list of trade-marks—Continued.

- Insecticides. William Peterman Inc. No. 98,193; July 7; Gaz. vol. 204; p. 311.
- Insecticides. William Peterman Inc. No. 98,316; July 7; Gaz. vol. 204; p. 315.
- Insecticides and fungicides. Hemingway's London Purple Company. No. 99,010; Aug. 11; Gaz. vol. 205; p. 658.
- Insecticides and fungicides. The Sherwin-Williams Company. No. 100,436; Oct. 20; Gaz. vol. 207; p. 925.
- Insecticides for exterminating roaches and water-bugs. Jaynes Drug Co. No. 101,396; Dec. 8; Gaz. vol. 209; p. 680.
- Insecticides, germicides, disinfectants, &c. Langley & Michaels Co. No. 95,548; Feb. 24; Gaz. vol. 199; p. 1240.
- Insulated wire. Crescent Belting and Packing Company. No. 96,500; Apr. 21; Gaz. vol. 201; p. 898.
- Insulating material. The Cutler-Hammer Mfg. Co. Nos. 97,126-7; May 19; Gaz. vol. 202; p. 948.
- Insulating material, Certain named. Keystone Hair Insulator Co. Nos. 100,345-8; Oct. 20; Gaz. vol. 207; p. 922.
- Insulating material, Self-sustaining heat-. Union Fibre Company. No. 100,449; Oct. 20; Gaz. vol. 207; p. 925.
- Insulating sheets and tubes, Electrical. Westinghouse Electric & Manufacturing Co. No. 96,374; Apr. 14; Gaz. vol. 201; p. 567.
- Insulators. Electroze Manufacturing Company. No. 95,822; Mar. 17; Gaz. vol. 200; p. 853.
- Insulators. The Locke Insulator Mfg. Co. No. 100,131; Oct. 6; Gaz. vol. 207; p. 294.
- Intestinal lubricant and remedy for constipation. L. J. Lehmann. No. 98,066; June 30; Gaz. vol. 203; p. 1553.
- Iron and steel and wire. Bar. J. C. Lullman. No. 98,068; June 30; Gaz. vol. 203; p. 1553.
- Iron and steel blooms, billets, bars, and sheets. Joseph Sankey & Sons. No. 98,428; July 14; Gaz. vol. 204; p. 671.
- Iron and steel plates, billets, blooms, and slabs. Alan Wood Iron & Steel Company. No. 96,077; Mar. 31; Gaz. vol. 200; p. 1388.
- Iron ingots, bars, pigs, castings, and forgings, steel, and alloys of iron and steel. The Pennsylvania Steel Company. No. 98,891; Aug. 4; Gaz. vol. 205; p. 301.
- Jacks, jennets, mules, stallions, &c. J. E. Wright. No. 101,243; Nov. 17; Gaz. vol. 208; p. 982.
- Jams, jellies, canned fruits, apple-butter, and apples. P. H. Troutman. No. 97,016; May 12; Gaz. vol. 202; p. 629.
- Jar-closures, Metal. The Victor Jar Company. No. 96,555; Apr. 21; Gaz. vol. 201; p. 900.
- Jar or bottle, &c., metal caps, Glass. Paragon Metal Cap Company. No. 99,236; Aug. 25; Gaz. vol. 205; p. 1316.
- Jar rings, Fruit-. Samuel Cupples Wooden Ware Company. No. 99,705; Sept. 15; Gaz. vol. 206; p. 870.
- Jars, Fruit-. Pacific Coast Glass Works. No. 99,235; Aug. 25; Gaz. vol. 205; p. 1316.
- Jardinières, vases, and ferneries, Metal. George C. Lynch Company. No. 95,773; Mar. 10; Gaz. vol. 200; p. 578.
- Jelly and preserves, mustard, and minced pie-filling, Fruit. Best-Clymer Mfg. Co. No. 96,092; Apr. 7; Gaz. vol. 201; p. 261.
- Jelly, Fruit. Corn Products Company. No. 96,109; Apr. 7; Gaz. vol. 201; p. 262.
- Jelly-powder. Arcadia Food Co. No. 97,587; June 16; Gaz. vol. 203; p. 919.
- Jewelers' piercing-saws. L. H. Keller & Co. No. 95,437; Feb. 17; Gaz. vol. 199; p. 934.
- Jewelry. O. C. Devereux Company. No. 97,827; June 23; Gaz. vol. 203; p. 1255.
- Jewelry. The H. W. K. Company. No. 99,979; Sept. 29; Gaz. vol. 206; p. 1432.
- Jewelry. Hallam-Rice Company. No. 96,671; Apr. 28; Gaz. vol. 201; p. 1214.
- Jewelry. Hallam-Rice Co. No. 99,095; Aug. 18; Gaz. vol. 205; p. 1015.
- Jewelry. Hallam-Rice Company. No. 101,383; Dec. 8; Gaz. vol. 209; p. 680.
- Jewelry. Charles E. Hancock Company. No. 96,672; Apr. 28; Gaz. vol. 201; p. 1214.
- Jewelry. E. Leach. No. 98,065; June 30; Gaz. vol. 203; p. 1553.
- Jewelry. Manchester-Smith Company. No. 96,696; Apr. 28; Gaz. vol. 201; p. 1215.
- Jewelry. Morris, Mann & Reilly. No. 97,071; May 19; Gaz. vol. 202; p. 946.
- Jewelry. Sloan & Company. No. 98,579; July 21; Gaz. vol. 204; p. 1008.
- Jewelry. Standard Neckchain Company. No. 98,582; July 21; Gaz. vol. 204; p. 1009.
- Jewelry, Gold and silver. Swift and Fisher. No. 100,047; Sept. 29; Gaz. vol. 206; p. 1434.
- Jewelry, Gold-filled. M. F. Bixler. No. 101,247; Nov. 17; Gaz. vol. 208; p. 983.
- Jewelry made of precious metal, Certain named. Bliss Brothers Company. No. 101,559; Dec. 29; Gaz. vol. 209; p. 1687.
- Journal, Farming. M. Freeman. No. 101,152; Nov. 17; Gaz. vol. 208; p. 980.
- Journal, Technical. Beet Sugar Gazette Co. No. 97,806; June 23; Gaz. vol. 203; p. 1255.
- Journal, Weekly trade. The American Lumberman. No. 95,973; Mar. 31; Gaz. vol. 200; p. 1385.
- Julep-straws. C. C. Truax & Company. No. 95,682; Mar. 3; Gaz. vol. 200; p. 275.
- Kaleidoscopes. I. Warga. No. 96,844; May 5; Gaz. vol. 202; p. 311.
- Kegs. Central Trading Corporation. 100,269; Oct. 20; Gaz. vol. 207; p. 920.
- Kerchiefs and handkerchiefs. J. Robinson & Company. No. 98,567; July 21; Gaz. vol. 204; p. 1008.
- Kerosene. W. R. Grace & Co. No. 99,976; Sept. 29; Gaz. vol. 206; p. 1432.
- Kerosene, benzin, gasoline, and naphtha. W. R. Grace & Company. No. 96,280; Apr. 14; Gaz. vol. 201; p. 565.
- Kerosene, gasoline, neutral oils, &c. Kendall Refining Company. No. 100,838; Oct. 27; Gaz. vol. 207; p. 1244.
- Key-chains. The Shepard Manufacturing Company. No. 100,894; Oct. 27; Gaz. vol. 207; p. 1245.
- Kid, Glazed. C. Bockius Co. No. 96,934; May 12; Gaz. vol. 202; p. 627.
- Kid, Glazed. M. van Loon. No. 99,261; Aug. 25; Gaz. vol. 205; p. 1317.
- Kinematograph-films. La Film Artistica Gloria. No. 96,689; Apr. 28; Gaz. vol. 201; p. 1215.
- Kinematographs, Films for. The London Film Company. No. 96,026; Mar. 31; Gaz. vol. 200; p. 1386.
- Kinematographic apparatus. Cie Gle de Phonographes, Cinematographes et Appareils de Precision. No. 99,695; Sept. 15; Gaz. vol. 206; p. 869.
- Kinematographic bands or films, &c. G. Lévy. No. 96,897; May 5; Gaz. vol. 202; p. 312.
- Kinematographic films. C. Levi. No. 98,925; Aug. 11; Gaz. vol. 205; p. 655.
- Kinematographic films. A.-B. Nordiska Filmsfabriken. No. 95,465; Feb. 17; Gaz. vol. 199; p. 935.
- Kneading and mixing machines. American Oven & Machine Company. No. 96,219; Apr. 14; Gaz. vol. 201; p. 563.
- Knit and woven underwear. Avalon Knitwear Company. No. 98,619; July 28; Gaz. vol. 204; p. 1339.
- Knit and woven underwear. Indera Mills. No. 98,955; Aug. 11; Gaz. vol. 205; p. 656.
- Knit goods. A. Bergman. No. 95,871; Mar. 24; Gaz. vol. 200; p. 1109.
- Knit goods. Saxony Knitting Mills. No. 94,946; Jan. 13; Gaz. vol. 198; p. 492.
- Knit or woven underwear and hosiery. W. G. Starry, R. A. & M. W. Burd. No. 98,433; July 14; Gaz. vol. 204; p. 671.
- Knit undershirts, union suits, and ladies' vests. Boyce, Wheeler & Boyce. No. 96,244; Apr. 14; Gaz. vol. 201; p. 563.
- Knit underwear garments. Rome Textile Company. No. 95,564; Feb. 24; Gaz. vol. 199; p. 1240.
- Knit underwear, Ladies'. The Parsons & Baker Co. No. 97,883; June 23; Gaz. vol. 203; p. 1257.
- Knitted and textile underwear. Cooper & Johnson. No. 97,217; May 26; Gaz. vol. 202; p. 1253.
- Knitted caps, hoods, sweaters, &c. F. A. Patrick & Co. No. 100,605; Oct. 20; Gaz. vol. 207; p. 930.
- Knitted cloth or fabric. Franklin Knitting Mills. No. 95,419; Feb. 17; Gaz. vol. 199; p. 934.
- Knitted garments, Certain named. M. Weinroth. No. 100,462; Oct. 20; Gaz. vol. 207; p. 926.
- Knitted overcoats, short coats, Norfolk jackets, trousers, &c. Carbondale Knitting Mills. No. 95,742; Mar. 10; Gaz. vol. 200; p. 577.
- Knitted sweater-coats, undershirts, hoods, and caps. F. C. Hogle. No. 96,886; May 5; Gaz. vol. 202; p. 312.
- Knitted sweaters. Novelty Knitting Mills. No. 97,349; June 2; Gaz. vol. 203; p. 298.
- Knitted underwear. Cohn Goldwater & Co. No. 95,216; Feb. 3; Gaz. vol. 199; p. 302.
- Knitted underwear. J. H. Semel & Co. No. 98,704; July 28; Gaz. vol. 204; p. 1341.
- Knitted underwear. Shaughnessy Knitting Company. No. 96,056; Mar. 31; Gaz. vol. 200; p. 1387.
- Knitted vests and undershirts. Standard Knitting Mills Company. No. 100,904; Oct. 27; Gaz. vol. 207; p. 1245.
- Knitted vests, pants, union suits, and corset-covers. C. A. Powell. No. 99,628; Sept. 8; Gaz. vol. 206; p. 585.
- Knitting-wools. Baldwin & Walker. No. 99,269; Aug. 25; Gaz. vol. 205; p. 1317.
- Knitting-needles, crochet-hooks, shuttles, &c. A. J. Kahn. No. 100,834; Oct. 27; Gaz. vol. 207; p. 1243.
- Knives and die-blocks, Shear-. Heppenstall Forge & Knife Company. Nos. 98,774-5; Aug. 4; Gaz. vol. 205; p. 298.
- Knives and scissors. A. J. Van Exem. No. 97,297; May 26; Gaz. vol. 202; p. 1256.
- Knives, Certain named. Landers, Frary & Clark. No. 101,103; Nov. 10; Gaz. vol. 208; p. 653.
- Knives, Chiropodists'. Challenge Cutlery Corporation. No. 100,503; Oct. 20; Gaz. vol. 207; p. 927.
- Knives, razors, and scissors, Steel pocket-. W. G. Clark & Company. No. 97,753; June 16; Gaz. vol. 203; p. 924.
- Knives, razors, machines, and tools, Certain named. Landers, Frary & Clark. No. 96,144; Apr. 7; Gaz. vol. 201; p. 263.

Alphabetical list of trade-marks—Continued.

- Knives, scissors, and shears. Geo. Borgfeldt & Co. No. 98,124; July 7; Gaz. vol. 204; p. 309.
- Knives, scissors, and shears, Pocket, table, and kitchen. C. C. Stieff and Company. No. 101,337; Nov. 24; Gaz. vol. 208; p. 1353.
- Knives, Table-. Northampton Cutlery Co. No. 96,532; Apr. 21; Gaz. vol. 201; p. 899.
- Laboratory apparatus, Earthenware. German-American Stoneware Works. No. 95,539; Feb. 24; Gaz. vol. 199; p. 1240.
- Laces. Carson, Pirie, Scott & Co. No. 96,249; Apr. 14; Gaz. vol. 201; p. 564.
- Laces. W. W. Chace. No. 95,298; Feb. 10; Gaz. vol. 199; p. 611.
- Laces. E. E. A. C. Seyrig. No. 95,672; Mar. 3; Gaz. vol. 200; p. 275.
- Laces. P. M. Sweeney. No. 95,174; Feb. 3; Gaz. vol. 199; p. 301.
- Laces and ribbons. A. & L. Feldheim. No. 95,824; Mar. 17; Gaz. vol. 200; p. 853.
- Lacquer, wood-filler, varnish, &c. Lacquer-All Manufacturing Company. No. 98,166; July 7; Gaz. vol. 204; p. 310.
- Lacquers, varnishes, paints, &c. National Gum & Mica Company. No. 100,991; Nov. 3; Gaz. vol. 208; p. 334.
- Lamp and lantern burners. R. E. Dietz Company. No. 99,201; Aug. 25; Gaz. vol. 205; p. 1315.
- Lamp-burners and parts thereof, Mantle. The Mantle Lamp Company of America. No. 95,256; Feb. 3; Gaz. vol. 199; p. 303.
- Lamp-burners, candle and lamp wicks, and peanut-roasters. C. C. Truax & Company. No. 95,177; Feb. 3; Gaz. vol. 199; p. 301.
- Lamp-chimneys. Standard Oil Company of New York. No. 99,255; Aug. 25; Gaz. vol. 205; p. 1317.
- Lamp-chimneys. C. C. Truax & Company. No. 98,337; July 7; Gaz. vol. 204; p. 315.
- Lamp globes, shades, and reflectors, Glass. H. G. McFaddin & Co. No. 99,481; Sept. 1; Gaz. vol. 206; p. 309.
- Lamp globes, shades, reflectors, &c., Glass. Gillinder & Sons. No. 100,799; Oct. 27; Gaz. vol. 207; p. 1242.
- Lamp-shade panels, Glass. Tiffany Furnaces. No. 97,910; June 23; Gaz. vol. 203; p. 1258.
- Lamp shades and globes, Glass. The Jefferson Glass Company. No. 95,111; Feb. 3; Gaz. vol. 199; p. 299.
- Lamp shades and globes, Glass. Lighting Studios Company. No. 101,519; Dec. 22; Gaz. vol. 209; p. 1313.
- Lamp-shades, Glass. Lighting Studios Company. No. 95,123; Feb. 3; Gaz. vol. 199; p. 299.
- Lamp sockets, Electric-. The Bryant Electric Company. No. 94,879; Jan. 13; Gaz. vol. 198; p. 490.
- Lamp sockets, Incandescent-electric-. Pass & Seymour. No. 101,003; Nov. 3; Gaz. vol. 208; p. 335.
- Lamps and mantles therefor, Gas and liquid-fuel. Deutsche Gasgluehlicht Aktiengesellschaft (Auergesellschaft). No. 96,794; May 5; Gaz. vol. 202; p. 309.
- Lamps and stands, Electric. J. W. Dunham. No. 100,777; Oct. 27; Gaz. vol. 207; p. 1242.
- Lamps, burners, and mantles, Incandescent inverted gas. Welsbach Company. No. 98,600; July 21; Gaz. vol. 204; p. 1009.
- Lamps, columns, bases, globes, &c., Glass. General Electric Company. No. 99,728; Sept. 15; Gaz. vol. 206; p. 870.
- Lamps, Electric. Aladdin Electric Lamp Company. No. 98,350; July 14; Gaz. vol. 204; p. 669.
- Lamps, Electric. The Bradley & Hubbard Mfg. Co. No. 100,086; Oct. 6; Gaz. vol. 207; p. 293.
- Lamps, Electric. Wizard Electric Lamp Co. Nos. 97,741-2; June 16; Gaz. vol. 203; p. 923.
- Lamps, Electric flash-light. Beacon Miniature Electric Company. No. 94,978; Jan. 20; Gaz. vol. 198; p. 699.
- Lamps, Electric incandescent. General Electric Company. No. 95,827; Mar. 17; Gaz. vol. 200; p. 853.
- Lamps, Electric vehicle-. The Reynolds-Browne Company. No. 95,562; Feb. 24; Gaz. vol. 199; p. 1240.
- Lamps for vehicles, Electric. The Reynolds-Browne Co. No. 95,477; Feb. 17; Gaz. vol. 199; p. 935.
- Lamps, globes, shades, &c., Glass. General Electric Company. Nos. 101,153-4; Nov. 17; Gaz. vol. 208; p. 980.
- Lamps, Incandescent electric. Premier Electric Company. No. 101,473; Dec. 15; Gaz. vol. 209; p. 1050.
- Lamps, Kerosene-. Standard Oil Co. of New York. No. 98,327; July 7; Gaz. vol. 204; p. 315.
- Lamps, Kerosene-. Standard Oil Co. of New York. No. 98,583; July 21; Gaz. vol. 204; p. 1009.
- Lamps, lanterns, burners, &c. R. E. Dietz Company. No. 98,643; July 28; Gaz. vol. 204; p. 1340.
- Lamps, lanterns, ignition apparatus, &c. Wanderer-Werke vorm. Winkhofer & Jaenicke Aktiengesellschaft. No. 99,263; Aug. 25; Gaz. vol. 205; p. 1317.
- Lamps, Oil-. The Thomas Manufacturing Company. No. 101,431; Dec. 8; Gaz. vol. 209; p. 681.
- Lamps, Portable vapor-. Hydro Carbon Company. No. 98,285; July 7; Gaz. vol. 204; p. 314.
- Lamps, telephones, and telephone apparatus, Electric. Delta Electric Company. No. 101,457; Dec. 15; Gaz. vol. 209; p. 1049.
- Lamps, Textile mantles for incandescent. Welsbach Company. No. 97,021; May 12; Gaz. vol. 202; p. 629.
- Lantern-slides and optical projection display apparatus. Watson Brothers. No. 100,927; Oct. 27; Gaz. vol. 207; p. 1246.
- Lap-robos for use in vehicles. S. I. Schwarz. No. 96,834; May 5; Gaz. vol. 202; p. 311.
- Lard. L. Burk. No. 96,938; May 12; Gaz. vol. 202; p. 627.
- Lard. The Hull & Dillon Pkg. Co. No. 99,051; Aug. 11; Gaz. vol. 205; p. 659.
- Lard. Kingan & Co. No. 100,839; Oct. 27; Gaz. vol. 207; p. 1244.
- Lard and smoked meats. Mississippi Packing Company. No. 100,857; Oct. 27; Gaz. vol. 207; p. 1244.
- Lard, ham, bacon, and scrapple. F. G. Vogt & Sons. No. 95,723; Mar. 3; Gaz. vol. 200; p. 277.
- Lard substitute. George & Co. No. 95,538; Feb. 24; Gaz. vol. 199; p. 1240.
- Lard substitute. Interstate Cotton Oil Refining Co. No. 96,419; Apr. 21; Gaz. vol. 201; p. 896.
- Lard substitute. Interstate Cotton Oil Refining Co. No. 98,288; July 7; Gaz. vol. 204; p. 314.
- Lathe and machine tools and attachments, Certain named. Armstrong Bros. Tool Co. No. 95,975; Mar. 31; Gaz. vol. 200; p. 1385.
- Laundry tablets. N. Levenson. No. 96,691; Apr. 28; Gaz. vol. 201; p. 1215.
- Laxative. A. A. Kurrasch. No. 98,789; Aug. 4; Gaz. vol. 205; p. 298.
- Laxative. J. E. Leikauf. No. 96,147; Apr. 7; Gaz. vol. 201; p. 263.
- Laxative. The Murine Eye Remedy Company. No. 97,720; June 16; Gaz. vol. 203; p. 923.
- Laxative. Smith, Kline & French Co. No. 100,638; Oct. 20; Gaz. vol. 207; p. 931.
- Laxative. C. L. Wamsley. No. 98,342; July 7; Gaz. vol. 204; p. 316.
- Laxative and tonic preparations for the stomach, &c. J. W. Nasworthy. No. 98,074; June 30; Gaz. vol. 203; p. 1553.
- Laxative composition. D. Westheimer. No. 96,072; Mar. 31; Gaz. vol. 200; p. 1388.
- Laxative preparation in bonbon form. G. Graham. No. 101,284; Nov. 24; Gaz. vol. 208; p. 1351.
- Laxative tablet. A. E. Vinton. No. 101,347; Nov. 24; Gaz. vol. 208; p. 1353.
- Laxative tablets. W. M. Harrison. No. 97,052; May 19; Gaz. vol. 202; p. 945.
- Laxative tablets or powder. New England Drug Company. No. 99,486; Sept. 1; Gaz. vol. 206; p. 309.
- Laxatives. Jaynes Drug Co. No. 101,399; Dec. 8; Gaz. vol. 209; p. 680.
- Laxatives. F. Schindler-Barnay. No. 99,404; Aug. 25; Gaz. vol. 205; p. 1321.
- Laxatives. F. Stohr. No. 99,512; Sept. 1; Gaz. vol. 206; p. 310.
- Laxatives, Fruit. J. W. Surbrug. No. 101,020; Nov. 3; Gaz. vol. 208; p. 335.
- Laxatives, Saline. M. L. Underwood. No. 97,375; June 2; Gaz. vol. 203; p. 299.
- Laxatives, tonics, stimulants, and digestants. The Sherit-Tone Company. No. 96,913; May 5; Gaz. vol. 202; p. 313.
- Laxatives, uric-acid solvents, &c., Saline. Bristol-Myers Company. No. 96,097; Apr. 7; Gaz. vol. 201; p. 261.
- Laxatives, uric-acid solvents, &c., Saline. Bristol-Myers Company. No. 101,361; Dec. 8; Gaz. vol. 209; p. 679.
- Lead, White. Peper Brothers. No. 97,351; June 2; Gaz. vol. 203; p. 298.
- Leads, slugs, and blocks. R. M. Powell. No. 98,688; July 28; Gaz. vol. 204; p. 1341.
- Leather. Avery Lowry Company. No. 97,802; June 23; Gaz. vol. 203; p. 1255.
- Leather. California Glove Company. No. 95,057; Feb. 3; Gaz. vol. 199; p. 297.
- Leather. Helburn Leather Company. No. 96,012; Mar. 31; Gaz. vol. 200; p. 1386.
- Leather. Holbrook Raw Hide Company. No. 101,163; Nov. 17; Gaz. vol. 208; p. 980.
- Leather. Kistler, Lesh & Company. No. 96,685; Apr. 28; Gaz. vol. 201; p. 1215.
- Leather. A. C. Lawrence Leather Co. No. 98,297; July 7; Gaz. vol. 204; p. 314.
- Leather. The Wilder-Manning Tanning Co. Nos. 99,524-5; Sept. 1; Gaz. vol. 206; p. 310.
- Leather and skins. William Walker & Sons. Nos. 100,923-4; Oct. 27; Gaz. vol. 207; p. 1246.
- Leather articles, Certain named. Geo. Borgfeldt & Co. No. 98,624; July 28; Gaz. vol. 204; p. 1339.
- Leather, Artificial. E. Korn. No. 101,295; Nov. 24; Gaz. vol. 208; p. 1352.
- Leather, Calfskin. J. S. Barnet & Sons. No. 101,558; Dec. 29; Gaz. vol. 209; p. 1687.
- Leather, Compound for treating sole-. The Basler Machinery Co. No. 95,511; Feb. 24; Gaz. vol. 199; p. 1239.
- Leather dressing. Dull-. Dullene Mfg. Company. No. 99,711; Sept. 15; Gaz. vol. 206; p. 870.
- Leather fiber-board, Waterproof. Hide-ite Leather Company. No. 96,293; Apr. 14; Gaz. vol. 201; p. 565.

Alphabetical list of trade-marks—Continued.

- Leather footwear to increase the wear, Preparation to be applied to. W. A. Eggers. No. 99,088; Aug. 18; Gaz. vol. 205; p. 1015.
- Leather for use on textile machinery. Helburn Leather Company. No. 96,288; Apr. 14; Gaz. vol. 201; p. 565.
- Leather in imitation of buckskin, White side. New Castle Leather Co. No. 96,985; May 12; Gaz. vol. 202; p. 628.
- Leather in the piece, Flesh-finished. Albert Trostel & Sons Company. No. 96,061; Mar. 31; Gaz. vol. 200; p. 1388.
- Leather novelties. Enger-Kress Pocket Book Co. No. 97,224; May 26; Gaz. vol. 202; p. 1253.
- Leather, Sole-. J. W. & A. P. Howard & Co. No. 100,823; Oct. 27; Gaz. vol. 207; p. 1243.
- Leather, Sole-. J. W. & A. P. Howard & Co. No. 101,288; Nov. 24; Gaz. vol. 208; p. 1351.
- Leather substitute. Kenworthy Brothers Company. No. 101,518; Dec. 22; Gaz. vol. 209; p. 1313.
- Leather substitute. Pearce Bros. Leather Co. No. 98,810; Aug. 4; Gaz. vol. 205; p. 299.
- Leather, Unfinished side of process-. B. Levi. No. 95,122; Feb. 3; Gaz. vol. 199; p. 299.
- Leather, Unmanufactured. Pfister & Vogel Leather Co. No. 101,320; Nov. 24; Gaz. vol. 208; p. 1352.
- Leather, Unmanufactured. C. C. Smoot & Sons Co. No. 100,171; Oct. 6; Gaz. vol. 207; p. 296.
- Lecithin, a food ingredient. J. D. Riedel Aktiengesellschaft. No. 95,944; Mar. 24; Gaz. vol. 200; p. 1111.
- Lemon extract. T. M. Sayman. No. 95,481; Feb. 17; Gaz. vol. 199; p. 936.
- Lemons and oranges. J. Brucato. No. 100,763; Oct. 27; Gaz. vol. 207; p. 1241.
- Lemonade, limeade, orangeade, cherryade, &c. Boa-Lie Gesellschaft mit beschränkter Haftung. No. 95,877; Mar. 24; Gaz. vol. 200; p. 1109.
- Lenses. F. A. Hardy & Co. No. 96,286; Apr. 14; Gaz. vol. 201; p. 565.
- Lenses. One Piece Bifocal Lens Company. No. 101,001; Nov. 3; Gaz. vol. 208; p. 335.
- Lenses for scientific use, prisms, &c. Firm of C. Zeiss. Nos. 100,688-9; Oct. 20; Gaz. vol. 207; p. 932.
- Letters and figures for stamping. Steel. Wiebusch & Hilger. No. 100,938; Oct. 27; Gaz. vol. 207; p. 1247.
- Lice and fly destroyer. G. W. Lewis & Son. No. 99,759; Sept. 15; Gaz. vol. 206; p. 871.
- Lice and vermin destroyer. Ungles Hoggette Mfg. Co. No. 96,552; Apr. 21; Gaz. vol. 201; p. 900.
- Lighting and starting systems, storage batteries, and parts thereof and supplies therefor. Certain. The United States Light & Heating Company. No. 98,222; July 7; Gaz. vol. 204; p. 312.
- Lighting apparatus for public halls. Fowler Sign Company. No. 98,274; July 7; Gaz. vol. 204; p. 314.
- Lighting appliances, &c., Certain. Hibbard, Spencer, Bartlett & Co. No. 99,742; Sept. 15; Gaz. vol. 206; p. 871.
- Lighting-fixtures and parts therefor. Ehrich & Graetz. No. 101,142; Nov. 17; Gaz. vol. 208; p. 979.
- Lighting fixtures, Electric-. E. Schroeder Lamp Works. No. 95,671; Mar. 3; Gaz. vol. 200; p. 275.
- Lighting units for semi-indirect lighting. Phoenix Glass Co. No. 95,656; Mar. 3; Gaz. vol. 200; p. 275.
- Lightning-arresters. The National Electric Specialty Company. No. 96,902; May 5; Gaz. vol. 202; p. 313.
- Lightning-rods, and parts thereof and accessories therefor. The Struthers Co. No. 98,212; July 7; Gaz. vol. 204; p. 312.
- Lime. Marblehead Lime Company. No. 97,258; May 26; Gaz. vol. 202; p. 1255.
- Lime. The Moores Lime Co. No. 97,549; June 9; Gaz. vol. 203; p. 598.
- Lime containing aluminous materials. Aluminate Patents Company. No. 97,519; June 9; Gaz. vol. 203; p. 597.
- Lime-sulfur solution, Bordeaux arsenate and paste, &c. Niagara Sprayer Company. No. 100,020; Sept. 29; Gaz. vol. 206; p. 1433.
- Linen, Certain named household. Remy, Schmidt & Pleissner. No. 99,631; Sept. 8; Gaz. vol. 206; p. 586.
- Linen-cleanser. G. E. Darrow. No. 98,641; July 28; Gaz. vol. 204; p. 1340.
- Linen, cotton, silk, woolen, &c., piece goods. J. A. Kahl. No. 95,832; Mar. 17; Gaz. vol. 200; p. 853.
- Linen goods. Webb & Company. No. 100,668; Oct. 20; Gaz. vol. 207; p. 932.
- Liniment. Albany Chemical Co. No. 101,258; Nov. 24; Gaz. vol. 208; p. 1351.
- Liniment. J. B. Armour. No. 97,666; June 16; Gaz. vol. 203; p. 921.
- Liniment. J. E. Cagwin. No. 96,566; Apr. 21; Gaz. vol. 201; p. 900.
- Liniment. N. Contogeones. No. 98,485; July 21; Gaz. vol. 204; p. 1006.
- Liniment. Daniels & Tullis. No. 94,961; Jan. 13; Gaz. vol. 198; p. 492.
- Liniment. Dr. Peter Fahrney & Sons Co. No. 98,051; June 30; Gaz. vol. 203; p. 1552.
- Liniment. Goose Grease Company. No. 96,583; Apr. 21; Gaz. vol. 201; p. 900.
- Liniment. Home Remedy Company. No. 99,883; Sept. 22; Gaz. vol. 206; p. 1158.
- Liniment. International Supply Co. No. 96,889; May 5; Gaz. vol. 202; p. 312.
- Liniment. Dr. B. J. Kendall Company. No. 95,254; Feb. 3; Gaz. vol. 199; p. 303.
- Liniment. R. S. Kowalski. No. 97,254; May 26; Gaz. vol. 202; p. 1254.
- Liniment. C. H. Krug. No. 99,993; Sept. 29; Gaz. vol. 206; p. 1432.
- Liniment. H. C. Marcum. No. 98,172; July 7; Gaz. vol. 204; p. 311.
- Liniment. V. Marino. No. 97,155; May 19; Gaz. vol. 202; p. 948.
- Liniment. The Red Cross Chemical Co. No. 97,725; June 16; Gaz. vol. 203; p. 923.
- Liniment. D. M. Smoot. No. 95,570; Feb. 24; Gaz. vol. 199; p. 1241.
- Liniment. The St. Jacobs Oil Company. No. 97,182; May 19; Gaz. vol. 202; p. 949.
- Liniment, ammonia, cough-syrup, and disinfectants. The R. M. Hollingshead Co. No. 100,821; Oct. 27; Gaz. vol. 207; p. 1243.
- Liniment and antiseptic. Mount Barton Chemical Co. No. 98,176; July 7; Gaz. vol. 204; p. 311.
- Liniment and colic remedy, White. Georgia Medicine Co. No. 99,388; Aug. 25; Gaz. vol. 205; p. 1321.
- Liniment and remedies for colic, &c., in animals. Dr. R. D. Eaton Chemical Co. No. 96,871; May 5; Gaz. vol. 202; p. 312.
- Liniment, Antiseptic veterinary. Pearson's Antiseptic Company. No. 98,556; July 21; Gaz. vol. 204; p. 1008.
- Liniment for man and beast. C. C. Cannon. No. 95,396; Feb. 17; Gaz. vol. 199; p. 933.
- Liniment, headache remedy, depilatory fluid, and complexion-pills. E. Sher. No. 96,542; Apr. 21; Gaz. vol. 201; p. 899.
- Liniment in tubes. Rheumeolum Chem. Co. No. 100,624; Oct. 20; Gaz. vol. 207; p. 930.
- Liniment, Medicinal. H. W. McChesney. No. 100,580; Oct. 20; Gaz. vol. 207; p. 929.
- Liniment, medicines, and remedies for certain named diseases. M. R. Tipton. No. 95,329; Feb. 10; Gaz. vol. 199; p. 612.
- Liniment or lotion for rheumatism, sciatica, neuritis, &c. The Dancz Institute of New York. No. 97,468; June 9; Gaz. vol. 203; p. 595.
- Liniment or ointment for rheumatism, &c. Chambers Bro's. No. 100,954; Nov. 3; Gaz. vol. 208; p. 333.
- Liniment, salve, and blood-purifier. G. E. Gassaway. No. 101,281; Nov. 24; Gaz. vol. 208; p. 1351.
- Liniment, Solidified. Hall & Wenck. No. 98,516; July 21; Gaz. vol. 204; p. 1007.
- Liniments. S. S. Metzler. No. 100,859; Oct. 27; Gaz. vol. 207; p. 1244.
- Liniments. F. Puchalski. No. 95,012; Jan. 20; Gaz. vol. 198; p. 700.
- Linings, Inside. United Roofing & Manufacturing Company. No. 97,454; June 2; Gaz. vol. 203; p. 301.
- Linoleum. Armstrong Cork Company. No. 94,859; Jan. 13; Gaz. vol. 198; p. 489.
- Linoleum floor-cloth. The Geo. W. Blabon Company. No. 101,358; Dec. 8; Gaz. vol. 209; p. 679.
- Linoleums. Germania Importing Co. No. 99,575; Sept. 8; Gaz. vol. 206; p. 584.
- Linotypes and parts thereof. Mergenthaler Linotype Company. No. 97,873; June 23; Gaz. vol. 203; p. 1257.
- Liqueur. L. Kochmann. No. 95,117; Feb. 3; Gaz. vol. 199; p. 299.
- Liqueur. Luyties Brothers. No. 98,408; July 14; Gaz. vol. 204; p. 670.
- Liqueurs. Ste. Ame. de la Vieille Cure de Cenon. No. 97,567; June 9; Gaz. vol. 203; p. 598.
- Liquor. Ditta G. Alberti. No. 95,859; Mar. 24; Gaz. vol. 200; p. 1109.
- Liquors. Figli di Sebastiano Giusiana. No. 98,764; Aug. 4; Gaz. vol. 205; p. 298.
- Literary compositions published serially, Instructive. U. Davis. No. 97,602; June 16; Gaz. vol. 203; p. 919.
- Lithographic and book printing-color driers. J. Roche. No. 95,479; Feb. 17; Gaz. vol. 199; p. 936.
- Liver-regulator. J. A. Kincheloe. No. 100,349; Oct. 20; Gaz. vol. 207; p. 922.
- Loam, molding sand and clay. Eisenberger Klebsand-Werke, G. m. b. H. No. 100,840; Oct. 27; Gaz. vol. 207; p. 1244.
- Locks, latches, keys, &c. Sargent & Co. No. 98,699; July 28; Gaz. vol. 204; p. 1341.
- Locks, padlocks, and keys. Miller Lock Company. No. 98,069; June 30; Gaz. vol. 203; p. 1553.
- Locomotives, Electrical mining-. The Jeffrey Manufacturing Company. No. 97,247; May 26; Gaz. vol. 202; p. 1254.
- Logging tools, machines, and appliances, Certain named. F. B. Mallory. No. 98,171; July 7; Gaz. vol. 204; p. 310.
- Lorgnettes, eyeglass-chains, chain hair-pins, &c. American Optical Company. No. 97,459; June 9; Gaz. vol. 203; p. 595.
- Lotion and headache-powders, Toilet. Ramsdell Drug Company. No. 101,205; Nov. 17; Gaz. vol. 208; p. 981.

- Lotion and powder, Skin. B. D'Emo. No. 95,303; Feb. 10; Gaz. vol. 199; p. 611.
- Lotion, Antiseptic. H. Wilcox. No. 100,675; Oct. 20; Gaz. vol. 207; p. 932.
- Lotion, face-bleach, hair-tonic, and massage-cream, Hand-. Gilbert Toilet Company. No. 97,135; May 19; Gaz. vol. 202; p. 948.
- Lotion for preventing excessive perspiration, Toilet. A. D. Murphey. No. 96,159; Apr. 7; Gaz. vol. 201; p. 263.
- Lotion or emulsion, Skin. A. S. Hinds. No. 101,388; Dec. 8; Gaz. vol. 209; p. 680.
- Lotion, Skin-. F. T. Hopkins & Son. No. 98,954; Aug. 11; Gaz. vol. 205; p. 656.
- Lotion, toilet waters and creams, perfumes, and powders, Skin-. Arthur Chemical Co. No. 97,460; June 9; Gaz. vol. 203; p. 595.
- Lotion, tooth-paste, and cold-cream, Antiseptic. H. Wilcox. No. 101,063; Nov. 10; Gaz. vol. 208; p. 652.
- Lotions and glove-cleaner, Shaving-. Co-operative Drug Manufacturing Company, now, by change of name, American Drug Mfg. Co. No. 100,281; Oct. 20; Gaz. vol. 207; p. 920.
- Lotions, Skin-. M. H. Watters. No. 96,213; Apr. 7; Gaz. vol. 201; p. 265.
- Lotions, toilet and face creams, perfumes, &c., Skin-. H. "D" Hart. No. 96,130; Apr. 7; Gaz. vol. 201; p. 262.
- Lubricant. International Acheson Graphite Company. No. 97,857; June 23; Gaz. vol. 203; p. 1256.
- Lubricant for chains and meshing surfaces. C. G. Wirick. No. 96,076; Mar. 31; Gaz. vol. 200; p. 1388.
- Lubricant, Graphite. The United States Graphite Company. No. 96,753; Apr. 28; Gaz. vol. 201; p. 1217.
- Lubricant, Machinery-. The United States Graphite Company. No. 96,755; Apr. 28; Gaz. vol. 201; p. 1217.
- Lubricants. A. C. Buzby. No. 99,279; Aug. 25; Gaz. vol. 205; p. 1317.
- Lubricants. The InterOcean Oil Company. No. 99,988; Sept. 29; Gaz. vol. 206; p. 1432.
- Lubricants. Lumen Bearing Company. No. 101,296; Nov. 24; Gaz. vol. 208; p. 1352.
- Lubricants. The Whitmore Manufacturing Company. No. 96,377; Apr. 14; Gaz. vol. 201; p. 567.
- Lubricants and preservatives, Wire-rope. Broderick & Bascom Rope Company. No. 100,761; Oct. 27; Gaz. vol. 207; p. 1241.
- Lubricants, oils, and greases. Cataract Refining and Manufacturing Company. No. 95,988; Mar. 31; Gaz. vol. 200; p. 1385.
- Lubricating compounds, oils, and greases. Caledonian Oil Co. No. 98,126; July 7; Gaz. vol. 204; p. 309.
- Lubricating compounds, oils, and greases. Hexolene Lubricating Company. No. 97,142; May 19; Gaz. vol. 202; p. 948.
- Lubricators. L. Sonneborn Sons. No. 95,166; Feb. 3; Gaz. vol. 199; p. 300.
- Lumber, Hardwood. The Mowbray & Robinson Co. No. 95,259; Feb. 3; Gaz. vol. 199; p. 303.
- Lunches. Exchange Buffet Corporation. No. 98,651; July 28; Gaz. vol. 204; p. 1340.
- Lye, Powdered. E. Myers Lye Co. No. 98,309; July 7; Gaz. vol. 204; p. 315.
- Lyes of the sulfite-cellulose manufacture, Concentrated waste. International Paper Company. No. 98,154; July 7; Gaz. vol. 204; p. 310.
- Lyes, Powdered. W. Schield. No. 100,162; Oct. 6; Gaz. vol. 207; p. 295.
- Macaroni. The Atlantic Macaroni Co. No. 96,771; May 5; Gaz. vol. 202; p. 309.
- Macaroni. The Atlantic Macaroni Co. Nos. 97,936-7; June 30; Gaz. vol. 203; p. 1549.
- Macaroni. The Atlantic Macaroni Co. No. 98,238; July 7; Gaz. vol. 204; p. 313.
- Macaroni. Dunkirk Macaroni Co. No. 98,491; July 21; Gaz. vol. 204; p. 1006.
- Macaroni. Francesco Izzo & Figlio. No. 99,750; Sept. 15; Gaz. vol. 206; p. 871.
- Macaroni. L. Verna. No. 99,371; Aug. 25; Gaz. vol. 205; p. 1320.
- Macaroni. The Western Union Macaroni Mfg. Co. No. 96,476; Apr. 21; Gaz. vol. 201; p. 897.
- Macaroni and whole-wheat macaroni. P. Daussa & Company. No. 96,112; Apr. 7; Gaz. vol. 201; p. 262.
- Macaroni, noodles, and spaghetti. P. De Martini. No. 100,103; Oct. 6; Gaz. vol. 207; p. 294.
- Macaroni, noodles, spaghetti, soup-marks-. Panama Macaroni Company. No. 99,777; Sept. 15; Gaz. vol. 206; p. 872.
- Macaroni paste products. The Uncle Sam's Macaroni Co. Nos. 98,019-20; June 30; Gaz. vol. 203; p. 1551.
- Macaroni products. Scarpelli Bros. No. 99,649; Sept. 8; Gaz. vol. 206; p. 586.
- Macaroni, spaghetti, and noodles. The C. S. Foulds-Briggs Company. No. 100,793; Oct. 27; Gaz. vol. 207; p. 1242.
- Macaroni, spaghetti, and vermicelli. Mother's Macaroni Company. No. 95,459; Feb. 17; Gaz. vol. 199; p. 935.
- Macaroni, spaghetti, vermicelli, &c. Dallas Macaroni & Paste Manufacturing Co. Nos. 99,198-9; Aug. 25; Gaz. vol. 205; p. 1315.
- Macaroni, spaghetti, vermicelli, &c. Dalpini Macaroni Company. No. 98,640; July 28; Gaz. vol. 204; p. 1340.
- Macaroni, spaghetti, vermicelli, &c. Minnesota Macaroni Co. No. 97,994; June 30; Gaz. vol. 203; p. 1550.
- Macaroni, vermicelli, and spaghetti. A. Ricchezza. No. 98,695; July 28; Gaz. vol. 204; p. 1341.
- Macaroni, vermicelli, and spaghetti. Santa Rosa Paste Co. No. 96,194; Apr. 7; Gaz. vol. 201; p. 264.
- Machine and other tools and parts thereof, Certain named. J. H. Williams & Co. No. 95,381; Feb. 10; Gaz. vol. 199; p. 614.
- Machine-tools, Certain named. Kayser, Ellison & Co. No. 95,113; Feb. 3; Gaz. vol. 199; p. 299.
- Machine-tools, machine-tool attachments, and tools, Certain named. J. H. Williams & Co. No. 96,074; Mar. 31; Gaz. vol. 200; p. 1388.
- Machines and parts, Certain named. Fried. Krupp, Aktien-gesellschaft, Grusonwerk. No. 98,143; July 7; Gaz. vol. 204; p. 310.
- Machines and parts thereof, Certain named. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 98,501; July 21; Gaz. vol. 204; p. 1006.
- Machines and parts thereof, Certain named. General Composing Company, Gesellschaft mit beschränkter Haftung. No. 97,834; June 23; Gaz. vol. 203; p. 1256.
- Machines and parts thereof, Certain named. International Harvester Company of New Jersey. Nos. 100,977-80; Nov. 3; Gaz. vol. 208; p. 334.
- Machines and separate parts therefor, Certain named. International Harvester Company of New Jersey. No. 95,764; Mar. 10; Gaz. vol. 200; p. 578.
- Machines and tools, Certain named. Samuel Osborn & Co. No. 98,415; July 14; Gaz. vol. 204; p. 671.
- Machines, stills, pumps, and the like, and parts thereof, Certain named. Duriron Castings Company. No. 96,259; Apr. 14; Gaz. vol. 201; p. 564.
- Machines, tools, tool-handles, &c., Certain named. Barker, Rose & Clinton Co. No. 96,227; Apr. 14; Gaz. vol. 201; p. 564.
- Machinery and cemented steel articles, Certain named. Società Anonima Italiana Glo. Ansaldo & C. No. 101,335; Nov. 24; Gaz. vol. 208; p. 1353.
- Machinery and engines, not electrical, Certain named. Armstrong Mfg. Co. No. 98,851; Aug. 4; Gaz. vol. 205; p. 301.
- Machinery and parts thereof and tools, Certain named. Motorcycle Equipment Co. No. 96,710; Apr. 28; Gaz. vol. 201; p. 1215.
- Machinery and tools, Certain named. New Idea Spreader Co. No. 100,019; Sept. 29; Gaz. vol. 206; p. 1433.
- Machinery and tools, Certain named. Seebohm & Dieck-stahl. No. 97,175; May 19; Gaz. vol. 202; p. 949.
- Machinery, Certain named. Mead-Morrison Mfg. Co. No. 97,158; May 19; Gaz. vol. 202; p. 949.
- Machinery, Certain named articles of. The Good Roads Machinery Company. No. 100,115; Oct. 6; Gaz. vol. 207; p. 294.
- Mackinaws, woolen shirts, storm-vests, and trousers. The Lawrence Webster Co. No. 98,599; July 21; Gaz. vol. 204; p. 1009.
- Magazine, (American edition), Monthly. George Newnes, Limited. Nos. 96,822-3; May 5; Gaz. vol. 202; p. 310.
- Magazine, Monthly. M. B. Brown Printing & Binding Company. No. 96,637; Apr. 28; Gaz. vol. 201; p. 1213.
- Magazines, Monthly. Cloud Publishing Company. No. 98,636; July 28; Gaz. vol. 204; p. 1339.
- Magazines, Monthly. Cloud Publishing Co. No. 99,429; Sept. 1; Gaz. vol. 206; p. 307.
- Magazine, Monthly. C. W. Jewett. No. 98,664; July 28; Gaz. vol. 204; p. 1340.
- Magazine, Monthly. The Louisville Courier-Journal Company. No. 98,299; July 7; Gaz. vol. 204; p. 314.
- Magazine, Monthly. The New Fiction Publishing Company. No. 101,192; Nov. 17; Gaz. vol. 208; p. 981.
- Magazines, Monthly. Photoplay Printing Company. No. 97,500; June 9; Gaz. vol. 203; p. 596.
- Magazine, Monthly. Popular Mechanics Company. No. 101,201; Nov. 17; Gaz. vol. 208; p. 981.
- Magazine, Monthly. H. K. Williams. No. 97,928; June 23; Gaz. vol. 203; p. 1258.
- Magazine published semimonthly. A. Capper. No. 95,598; Mar. 3; Gaz. vol. 200; p. 273.
- Magazine, Spanish monthly. Mercurio Publishing Company. No. 96,707; Apr. 28; Gaz. vol. 201; p. 1215.
- Magazines and periodicals, Semimonthly. The Abbott & Briggs Company. No. 96,620; Apr. 28; Gaz. vol. 201; p. 1213.
- Magazines, printed books, and prints, Periodical. The Century Co. No. 99,426; Sept. 1; Gaz. vol. 206; p. 307.
- Magazines, Weekly. Fletcher Company. No. 102,149; Nov. 17; Gaz. vol. 208; p. 980.
- Magazines, Weekly. W. H. Scheetz. No. 99,247; Aug. 25; Gaz. vol. 205; p. 1316.
- Magnesium preparation. Novavita G. m. b. H. No. 97,997; June 30; Gaz. vol. 203; p. 1551.
- Magnetic and electromagnetic separators. The Invincible Grain Cleaner Co. No. 97,702; June 16; Gaz. vol. 203; p. 922.

Alphabetical list of trade-marks—Continued.

- Magnets, electric furnaces and controlling apparatus, &c., Lifting-. Deutsche Maschinenfabrik Aktien Gesellschaft. No. 99,289; Aug. 25; Gaz. vol. 205; p. 1318.
- Malt and hops extract. The Ebling Brewing Company. No. 100,527; Oct. 20; Gaz. vol. 207; p. 927.
- Malt extract. Diastatic Malt Extract Co. No. 100,523; Oct. 20; Gaz. vol. 207; p. 927.
- Malt extract. The Peter Schoenhofen Brewing Company. No. 100,729; Oct. 20; Gaz. vol. 207; p. 933.
- Malt extract and liquor. A. J. Van Exem. No. 97,294; May 26; Gaz. vol. 202; p. 1256.
- Malt extracts. Gehe & Co. Aktiengesellschaft. No. 98,508; July 21; Gaz. vol. 204; p. 1006.
- Malt extracts. Gehe & Co. Aktiengesellschaft. No. 100,797; Oct. 27; Gaz. vol. 207; p. 1242.
- Malt extracts. Malt-Diastase Company. Nos. 101,584-6; Dec. 29; Gaz. vol. 209; p. 1688.
- Malt preparation, Concentrated liquid. P. Ballantine & Sons. No. 98,465; July 21; Gaz. vol. 204; p. 1005.
- Mange-killer. J. A. Huston. No. 101,465; Dec. 15; Gaz. vol. 209; p. 1049.
- Manicure and toilet tools. Joseph Ross & Company. No. 98,423; July 14; Gaz. vol. 204; p. 671.
- Manicuring hand polishers, buffers, and enamelers. H. A. Seymoure. No. 95,852; Mar. 17; Gaz. vol. 200; p. 854.
- Manure-spreaders and parts thereof. International Harvester Corporation. No. 95,434; Feb. 17; Gaz. vol. 199; p. 934.
- Marble and stone. C. D. Jackson. No. 96,809; May 5; Gaz. vol. 202; p. 310.
- Marble, Quarried. Phenix Marble Company. No. 101,414; Dec. 8; Gaz. vol. 209; p. 681.
- Marking-machines. Noble & Westbrook Manufacturing Company. No. 94,925; Jan. 13; Gaz. vol. 198; p. 491.
- Massage instruments. Commonwealth Electric & Manufacturing Company. No. 100,278; Oct. 20; Gaz. vol. 207; p. 920.
- Match-receptacles, Metal. Model Kitchen Equipment Company. No. 100,379; Oct. 20; Gaz. vol. 207; p. 923.
- Matches. Bryn & Halden Taendstikfabrikker. No. 96,487; Apr. 21; Gaz. vol. 201; p. 898.
- Matches. Bryn & Halden Taendstikfabrikker. No. 96,779; May 5; Gaz. vol. 202; p. 309.
- Matches. The Diamond Match Co. No. 95,307; Feb. 10; Gaz. vol. 199; p. 611.
- Matches. F. Kreuger & Company. No. 98,063; June 30; Gaz. vol. 203; p. 1552.
- Matches. F. Kreuger and Company. No. 100,356; Oct. 20; Gaz. vol. 207; p. 922.
- Matches. Manufacturers and Retailers Company. No. 100,368; Oct. 20; Gaz. vol. 207; p. 923.
- Matches. Nitedals Taendstikfabrik. No. 100,387; Oct. 20; Gaz. vol. 207; p. 923.
- Matches. Nitedals Taendstikfabrik. No. 101,601; Dec. 29; Gaz. vol. 209; p. 1688.
- Matches. Sommers Bros. Match Co. No. 96,835; May 5; Gaz. vol. 202; p. 311.
- Matches, Friction-. S. P. Ecki. No. 96,796; May 5; Gaz. vol. 202; p. 309.
- Matches, Impregnated safety-. Albert Pick & Company. No. 100,406; Oct. 20; Gaz. vol. 207; p. 924.
- Matting, Cocoa. R. Deutsch. No. 99,442; Sept. 1; Gaz. vol. 206; p. 308.
- Matting, Wooden. Keystone Wire Matting Co. No. 96,683; Apr. 28; Gaz. vol. 201; p. 1215.
- Mattresses. F. H. Davis. No. 95,996; Mar. 31; Gaz. vol. 200; p. 1385.
- Mattresses. Dixie Cotton Felt Mattress Company. No. 100,293; Oct. 20; Gaz. vol. 207; p. 921.
- Mattresses. Empire Mattress Company. No. 98,268; July 7; Gaz. vol. 204; p. 313.
- Mattresses. The Kindel Bedding and Renovating Company. No. 96,812; May 5; Gaz. vol. 202; p. 310.
- Mattresses. J. L. Radermacher. No. 96,828; May 5; Gaz. vol. 202; p. 310.
- Mattresses, springs, pillows, and couches. J. Osiason. No. 95,341; Feb. 10; Gaz. vol. 199; p. 612.
- Mayonnaise dressing. R. Hellman. No. 96,884; May 5; Gaz. vol. 202; p. 312.
- Meal, Linseed-. American Linseed Company. No. 97,934; June 30; Gaz. vol. 203; p. 1549.
- Measuring and scientific appliances. Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft. No. 98,596; July 21; Gaz. vol. 204; p. 1009.
- Measuring and scientific appliances, Certain named. Die Altstädtische Optische Industrie-Anstalt Nitsche & Günther. Nos. 100,962-3; Nov. 3; Gaz. vol. 208; p. 333.
- Measuring instruments, Certain named. Sargent & Co. No. 98,700; July 28; Gaz. vol. 204; p. 1341.
- Meat-cutters. Klimax Manufacturing Company. No. 95,636; Mar. 3; Gaz. vol. 200; p. 274.
- Meat products. Springfield Provision Co. No. 101,229; Nov. 17; Gaz. vol. 208; p. 982.
- Meat sauce. The Old Vincennes Preserving Company. No. 98,553; July 21; Gaz. vol. 204; p. 1008.
- Meats and bacon, Frozen and preserved. The Christchurch Meat Company. No. 98,633; July 28; Gaz. vol. 204; p. 1339.
- Medical and surgical appliances, Certain named. Julius Schmid, Inc. No. 95,357; Feb. 10; Gaz. vol. 199; p. 613.
- Medical and surgical appliances, Certain named. Lee Tire & Rubber Co. No. 96,972; May 12; Gaz. vol. 202; p. 628.
- Medical and surgical instruments and appliances, Certain named. Dewitt & Herz. Nos. 98,488-9; July 21; Gaz. vol. 204; p. 1006.
- Medical appliance for the production of radio-active medicinal water. W. J. Schieffelin. No. 99,507; Sept. 1; Gaz. vol. 206; p. 310.
- Medical compound, Cathartic. J. W. James, Jr. No. 99,886; Sept. 22; Gaz. vol. 206; p. 1158.
- Medical compound for burns, scalds, &c. M. L. Van Valkenburgh. No. 96,757; Apr. 28; Gaz. vol. 201; p. 1217.
- Medical compound for certain named ailments. J. Cowgill. No. 96,573; Apr. 21; Gaz. vol. 201; p. 900.
- Medical compounds for the digestive organs. Dr. Loner-gan's. No. 98,792; Aug. 4; Gaz. vol. 205; p. 299.
- Medical compounds for the digestive organs. Dr. Loner-gan's. No. 99,761; Sept. 15; Gaz. vol. 206; p. 871.
- Medical herb preparation. A. J. Anderson. No. 100,074; Oct. 6; Gaz. vol. 207; p. 293.
- Medical preparation to prevent foot-sweating. J. J. Davies. No. 98,044; June 30; Gaz. vol. 203; p. 1552.
- Medical preparation to relieve itching and skin diseases. H. Jaffe. No. 100,982; Nov. 3; Gaz. vol. 208; p. 334.
- Medical preparations for certain named diseases. S. D'amour. No. 99,438; Sept. 1; Gaz. vol. 206; p. 307.
- Medical preparations for certain named uses. R. E. McInturff. No. 98,797; Aug. 4; Gaz. vol. 205; p. 299.
- Medical preparations for gastro-intestinal disturbances. Berlin Laboratory. No. 100,755; Oct. 27; Gaz. vol. 207; p. 1241.
- Medical preparations for use as a spray for nose or throat affections. Berlin Laboratory. No. 100,754; Oct. 27; Gaz. vol. 207; p. 1241.
- Medicament for bronchial and throat affections. O. Kraus. No. 97,984; June 30; Gaz. vol. 203; p. 1550.
- Medicaments for preparatory treatment of nervous ailments. C. E. Leach. No. 98,167; July 7; Gaz. vol. 204; p. 310.
- Medicated lozenges for throat, &c., affections. Daggett & Miller Company. No. 99,002; Aug. 11; Gaz. vol. 205; p. 657.
- Medicated purgative confections. Dr. F. Stohr. No. 98,209; July 7; Gaz. vol. 204; p. 312.
- Medicinal and pharmaceutical preparations, Certain. Regesan Ltd. No. 98,198; July 7; Gaz. vol. 204; p. 311.
- Medicinal compound for regulating the liver and stomach. A. J. Young. No. 101,065; Nov. 10; Gaz. vol. 208; p. 652.
- Medicinal compound for the scalp. L. Plaschy. No. 99,496; Sept. 1; Gaz. vol. 206; p. 309.
- Medicinal compounds of selenium. C. H. Walker. No. 100,922; Oct. 27; Gaz. vol. 207; p. 1246.
- Medicinal, dietetic, and pharmaceutical preparations of cod-liver oil and oil emulsions. J. E. Stroschein. No. 98,211; July 7; Gaz. vol. 204; p. 312.
- Medicinal nerve-sedative preparations. Dr. Neumann & Co. Chemischefabrik G. m. b. H. No. 95,007; Jan. 20; Gaz. vol. 198; p. 700.
- Medicinal nutrient and tonic pharmaceutical compound. John Wyeth & Brother. No. 98,029; June 30; Gaz. vol. 203; p. 1551.
- Medicinal oil. Brinser Remedy Company. No. 98,745; Aug. 4; Gaz. vol. 205; p. 297.
- Medicinal oils for rheumatism, insect-bites, &c. M. R. Zaegel. No. 97,743; June 16; Gaz. vol. 203; p. 923.
- Medicinal plasters, digestive tablets, fumigators, &c. Johnson & Johnson. No. 97,478; June 9; Gaz. vol. 203; p. 595.
- Medicinal powder. W. D. Vedder. No. 95,579; Feb. 24; Gaz. vol. 199; p. 1241.
- Medicinal preparation, Effervescent. E. Lucarini. No. 96,148; Apr. 7; Gaz. vol. 201; p. 263.
- Medicinal preparation for blood and skin diseases. Acme Chemical Mfg. Co. No. 101,351; Dec. 8; Gaz. vol. 209; p. 679.
- Medicinal preparation for certain named diseases. Hollister Drug Company. No. 96,017; Mar. 31; Gaz. vol. 200; p. 1386.
- Medicinal preparation for certain named diseases. C. W. Seignious. No. 98,821; Aug. 4; Gaz. vol. 205; p. 299.
- Medicinal preparation for diabetes. Sanin-Gesellschaft m. b. H. Fabrik chem. pharmac. Praeparate. No. 99,024; Aug. 11; Gaz. vol. 205; p. 658.
- Medicinal preparation for diseases of the teeth and mouth. R. J. Morg. No. 100,588; Oct. 20; Gaz. vol. 207; p. 929.
- Medicinal preparation for fever-blisters. H. B. Cressman. No. 97,467; June 9; Gaz. vol. 203; p. 595.
- Medicinal preparation for rheumatism. H. Blades. No. 98,470; July 21; Gaz. vol. 204; p. 1005.
- Medicinal preparation for stimulating and developing the mammary glands. E. Nieman. No. 98,185; July 7; Gaz. vol. 204; p. 311.

Alphabetical list of trade-marks—Continued.

- Medicinal preparation for the treatment of certain named diseases. McKeon Co. No. 97,157; May 19; Gaz. vol. 202; p. 949.
- Medicinal preparation for the treatment of certain named diseases. Sanin-Gesellschaft m. b. H. Fabrik chem. pharmac. Praeparate. No. 99,025; Aug. 11; Gaz. vol. 205; p. 658.
- Medicinal preparation for the treatment of nervous disorders. L. Cione. No. 96,866; May 5; Gaz. vol. 202; p. 312.
- Medicinal preparation used as a cathartic, &c. The Salmos Company. No. 100,034; Sept. 29; Gaz. vol. 206; p. 1434.
- Medicinal preparations. John J. Fulton Company. No. 95,709; Mar. 3; Gaz. vol. 200; p. 276.
- Medicinal preparations. Certain named. Farbwerke-Hoechst Company. No. 96,658; Apr. 28; Gaz. vol. 201; p. 1214.
- Medicinal preparations for certain named diseases. Orion Pharmacal Company. No. 97,778; June 16; Gaz. vol. 203; p. 924.
- Medicinal preparations for internal and external use, Certain. P. W. Camphausen. No. 101,034; Nov. 10; Gaz. vol. 208; p. 651.
- Medicinal preparations for treating certain named diseases. International Druggists' & Chemists' Laboratories. No. 96,590; Apr. 21; Gaz. vol. 201; p. 901.
- Medicinal saline compound. Duerr-Schaefer Pharmacal Co. No. 95,529; Feb. 24; Gaz. vol. 199; p. 1239.
- Medicinal tablets. Boro Salicine Co. No. 95,294; Feb. 10; Gaz. vol. 199; p. 611.
- Medicinal tablets. Cambria Drug & Mfg. Co. No. 94,881; Jan. 13; Gaz. vol. 198; p. 490.
- Medicinal tablets. Lek-Ara Company. No. 97,985; June 30; Gaz. vol. 203; p. 1550.
- Medicinal tablets. W. C. Moulton. No. 96,032; Mar. 31; Gaz. vol. 200; p. 1387.
- Medicinal tonic. H. T. Dewey & Sons Co. No. 98,935; Aug. 11; Gaz. vol. 205; p. 655.
- Medicinal tonic. C. J. Lincoln Company. No. 96,523; Apr. 21; Gaz. vol. 201; p. 899.
- Medicinal tonic and nutrient. Webster Chemical Company. No. 97,516; June 9; Gaz. vol. 203; p. 597.
- Medicinal tonics, liniments, cough-syrups, &c. The Jug Chemical Co. No. 97,480; June 9; Gaz. vol. 203; p. 595.
- Medicinal veterinary preparations, Certain. C. O. Fjere-stad. No. 96,121; Apr. 7; Gaz. vol. 201; p. 262.
- Medicine, Catarrh. J. M. George. No. 99,729; Sept. 15; Gaz. vol. 206; p. 870.
- Medicine, Certain proprietary. Dr. Peter Fahrney & Sons Co. No. 96,405; Apr. 21; Gaz. vol. 201; p. 895.
- Medicine for asthma, bronchitis, and hay-fever. R. P. Carson. No. 99,691; Sept. 15; Gaz. vol. 206; p. 869.
- Medicine for blood, stomach, liver, and bowel diseases. W. J. Gilmore Drug Company. No. 95,756; Mar. 10; Gaz. vol. 200; p. 578.
- Medicine for certain named diseases. J. G. Huck. No. 95,282; Feb. 10; Gaz. vol. 199; p. 611.
- Medicine for certain named diseases. L. Lapré and Company. No. 97,151; May 19; Gaz. vol. 202; p. 948.
- Medicine for certain named diseases. The William Radam Microbe Killer Company. No. 98,005; June 30; Gaz. vol. 203; p. 1551.
- Medicine for colds, la grippe, and pulmonary troubles. Golden Dawn Specific Co. No. 96,961; May 12; Gaz. vol. 202; p. 628.
- Medicine for coughs, colds, bronchitis, biliousness, &c. J. L. Marder. No. 96,526; Apr. 21; Gaz. vol. 201; p. 899.
- Medicine for diarrhea, dropsy, and piles. R. E. McLain. No. 96,154; Apr. 7; Gaz. vol. 201; p. 263.
- Medicine for disorders of the digestive tract. M. I. Brandt. No. 99,543; Sept. 8; Gaz. vol. 206; p. 583.
- Medicine for lime starvation. Calsalvo Chemical Company. No. 97,317; June 2; Gaz. vol. 203; p. 297.
- Medicine for neuralgia, headache, and fatigue. H. P. Senay. No. 101,015; Nov. 3; Gaz. vol. 208; p. 335.
- Medicine for pyorrhea alveolaris, &c. N. Spears. No. 98,985; Aug. 11; Gaz. vol. 205; p. 657.
- Medicine for removing corns. Jacobs' Pharmacy Company. No. 95,765; Mar. 10; Gaz. vol. 200; p. 578.
- Medicine for rheumatism, neuralgia, headache, &c. Naam-looze Vennootschap Koninklijke Pharmaceutische Fabriek voorheen Brocades & Stheeman. No. 101,312; Nov. 24; Gaz. vol. 208; p. 1352.
- Medicine for sore throat and cold and a preventive from diphtheria. A. H. Scott. No. 97,082; May 19; Gaz. vol. 202; p. 946.
- Medicine for syphilis, &c. Chamberlin Laboratories. No. 95,520; Feb. 24; Gaz. vol. 199; p. 1239.
- Medicine for the treatment of diarrhea. The Oro Chemical Company. No. 95,466; Feb. 17; Gaz. vol. 199; p. 935.
- Medicine for whooping-cough. Edgemont Chemical Mfg. Co. No. 100,784; Oct. 27; Gaz. vol. 207; p. 1242.
- Medicine, Gall-stone. G. Corovessis. No. 101,368; Dec. 8; Gaz. vol. 209; p. 679.
- Medicine, Headache and neuralgia. Rowland Drug Co. No. 98,818; Aug. 4; Gaz. vol. 205; p. 299.
- Medicine, Laxative. T. P. Farmer. No. 97,471; June 9; Gaz. vol. 203; p. 595.
- Medicine, Pile. J. F. Smith. No. 96,726; Apr. 28; Gaz. vol. 201; p. 1216.
- Medicine, Purgative. A. F. J. I. Sicre. No. 95,790; Mar. 10; Gaz. vol. 200; p. 579.
- Medicine, Stomach, liver, and bowel. A. Cartabillotta. No. 100,266; Oct. 20; Gaz. vol. 207; p. 920.
- Medicine to be used as analgesic and hypnotic. The Crown Chemical Works. No. 94,987; Jan. 20; Gaz. vol. 198; p. 699.
- Medicine used as a skin-lotion, Proprietary. A. S. Hull. No. 96,136; Apr. 7; Gaz. vol. 201; p. 262.
- Medicine used in treating certain named diseases. The Hensel Chemical Works. No. 100,548; Oct. 20; Gaz. vol. 207; p. 928.
- Medicines. American Remedy Company. No. 98,032; June 30; Gaz. vol. 203; p. 1552.
- Medicines. W. Chubbuck. No. 97,466; June 9; Gaz. vol. 203; p. 595.
- Medicines and medical preparations, Certain. D. Parker. No. 96,036; Mar. 31; Gaz. vol. 200; p. 1387.
- Medicines and medicinal preparations, Homeopathic. C. T. Hurlburt & Company. No. 96,589; Apr. 21; Gaz. vol. 201; p. 901.
- Medicines and pharmaceutical preparations, Certain named. Co-operative Drug Manufacturing Company, (now by change of name American Drug Mfg. Co.) Nos. 99,951-3; Sept. 29; Gaz. vol. 206; p. 1431.
- Medicines and pharmaceutical preparations, Certain named. J. C. Schroeder. No. 99,796; Sept. 15; Gaz. vol. 206; p. 872.
- Medicines and preparations for certain diseases. United States Medicine Co. No. 100,452; Oct. 20; Gaz. vol. 207; p. 925.
- Medicines and preparations for certain named ailments and diseases of animals. Harvey & Co. No. 97,419; June 2; Gaz. vol. 203; p. 300.
- Medicines and preparations for treating certain diseases, Certain named. The Consolidated Drug Co. No. 100,511; Oct. 20; Gaz. vol. 207; p. 927.
- Medicines and remedies, Certain named. J. W. Quinn Drug Company. No. 99,498; Sept. 1; Gaz. vol. 206; p. 309.
- Medicines and remedies for certain named diseases, Certain. The King Company. No. 98,535; July 21; Gaz. vol. 204; p. 1007.
- Medicines and remedies for certain named diseases, Certain named. J. R. Hite. No. 101,389; Dec. 8; Gaz. vol. 209; p. 680.
- Medicines and toilet preparations, Certain named. United Drug Company. No. 98,021; June 30; Gaz. vol. 203; p. 1551.
- Medicines, chemicals, &c., Certain named. The National Druggists Manufacturing Company. No. 94,922; Jan. 13; Gaz. vol. 198; p. 491.
- Medicines, Cough. I. B. Meyer. No. 100,136; Oct. 6; Gaz. vol. 207; p. 295.
- Medicines for blood and skin diseases. Stewart & Holmes Drug Company. No. 97,451; June 2; Gaz. vol. 203; p. 301.
- Medicines for certain named ailments. The New York Pharmacal Association. No. 98,549; July 21; Gaz. vol. 204; p. 1008.
- Medicines for chronic weakness and female complaints. D. B. Senger & Co. No. 96,912; May 5; Gaz. vol. 202; p. 313.
- Medicines for constipation, hepatic torpor, &c. The Anderson-Brown Company. No. 98,917; Aug. 11; Gaz. vol. 205; p. 655.
- Medicines for human and veterinary use, Certain named. H. Trommsdorff. No. 97,290; May 26; Gaz. vol. 202; p. 1255.
- Medicines for indigestion. T. A. Cassels. No. 96,865; May 5; Gaz. vol. 202; p. 311.
- Medicines for nervous affections. Inter-American Pharmacal Corporation. No. 98,153; July 7; Gaz. vol. 204; p. 310.
- Medicines for venereal diseases. S. Chiba. No. 99,948; Sept. 29; Gaz. vol. 206; p. 1431.
- Medicines, hair-vigor, and a laxative and digestive tonic, Certain. J. C. Ayer Company. No. 94,977; Jan. 20; Gaz. vol. 198; p. 699.
- Medicines, Homeopathic. O. I. Searles. No. 95,851; Mar. 17; Gaz. vol. 200; p. 854.
- Medicines, remedies, and pharmaceutical preparations, Certain named. W. H. Crawford Co. No. 99,957; Sept. 29; Gaz. vol. 206; p. 1431.
- Melons, cantaloups, and fresh celery. W. H. J. Kavanagh. No. 98,292; July 7; Gaz. vol. 204; p. 314.
- Menthol-salt spirit. B. Barna. No. 95,391; Feb. 17; Gaz. vol. 199; p. 933.
- Metachromotypes. Nürnberg Abziehbilder-Fabrik Troeger & Bueking. No. 101,195; Nov. 17; Gaz. vol. 208; p. 981.
- Metal alloy. M. L. Jacobs. No. 98,157; July 7; Gaz. vol. 204; p. 310.
- Metal caps. American Stopper Company. No. 101,118; Nov. 17; Gaz. vol. 208; p. 979.
- Metal cleaner and polisher. Perfection Silver and Gold Cleaning Co. No. 97,438; June 2; Gaz. vol. 203; p. 301.

Alphabetical list of trade-marks—Continued.

- Metal foil. United States Foil Company. No. 101,345; Nov. 24; Gaz. vol. 208; p. 1353.
- Metal mats and matting. La Porte Mat & Mfg. Co. No. 95,771; Mar. 10; Gaz. vol. 200; p. 578.
- Metal-polish. The Atkins Co. No. 96,631; Apr. 28; Gaz. vol. 201; p. 1213.
- Metal-polish. E. W. Bennett. No. 95,593; Mar. 3; Gaz. vol. 200; p. 273.
- Metal-polish. The Cincinnati Oil Works Co. No. 100,505; Oct. 20; Gaz. vol. 207; p. 927.
- Metal-polish. Davis & French. No. 100,520; Oct. 20; Gaz. vol. 207; p. 927.
- Metal-polish. J. H. Fried. No. 100,318; Oct. 20; Gaz. vol. 207; p. 921.
- Metal-polish. J. Laskowitz. No. 101,404; Dec. 8; Gaz. vol. 209; p. 680.
- Metal-polish. J. H. Lawrence. No. 99,758; Sept. 15; Gaz. vol. 206; p. 871.
- Metal-polish. W. McCann. No. 95,644; Mar. 3; Gaz. vol. 200; p. 274.
- Metal-polish. B. Morgan. Nos. 100,589-90; Oct. 20; Gaz. vol. 207; p. 929.
- Metal-polish. Oleum Products Company. No. 98,682; July 28; Gaz. vol. 204; p. 1341.
- Metal-polish. Standard Oil Company. No. 97,448; June 2; Gaz. vol. 203; p. 301.
- Metal-polish, glove and clothes cleaners, and soaps. Co-operative Drug Manufacturing Company, now, by change of name, American Drug Mfg. Co. No. 99,703; Sept. 15; Gaz. vol. 206; p. 869.
- Metal-polishes. Pingo Company. No. 96,333; Apr. 14; Gaz. vol. 201; p. 566.
- Metal-polishes. A. M. Ullman. No. 96,369; Apr. 14; Gaz. vol. 201; p. 567.
- Metal sheets and plates, tin and terne plates, Rolled. American Sheet & Tin Plate Company. No. 99,133; Aug. 18; Gaz. vol. 205; p. 1016.
- Metal, shoe, and stove polishes and polishing mittens and cloths. J. M. Pease. No. 97,884; June 23; Gaz. vol. 203; p. 1257.
- Metals and journal-boxes, Antifriction. Diamond Anti Friction Metal Company. No. 99,443; Sept. 1; Gaz. vol. 206; p. 308.
- Metals and metal ingots and castings. The Lennox Foundry Company. No. 98,067; June 30; Gaz. vol. 203; p. 1553.
- Metals in certain forms, and wire, Various. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 98,140; July 7; Gaz. vol. 204; p. 310.
- Metals in ingot and plate form. Lyon, Conklin & Co. No. 101,405; Dec. 8; Gaz. vol. 209; p. 680.
- Metals, Unworked base. Firm of J. F. Ginsberg. No. 97,766; June 16; Gaz. vol. 203; p. 924.
- Metals used in manufacture, Unwrought and partly-wrought. Turton Bros. & Matthews. No. 100,913; Oct. 27; Gaz. vol. 207; p. 1246.
- Milk. The Belle Vernon Mapes Dairy Company. No. 95,869; Mar. 24; Gaz. vol. 200; p. 1109.
- Milk and cream. New York Dairy Demonstration Co. No. 98,312; July 7; Gaz. vol. 204; p. 315.
- Milk and cream and cream alone. W. L. Glatfelter. No. 99,973; Sept. 29; Gaz. vol. 206; p. 1432.
- Milk and cultures for making same, Artificially-soured. George Starr White, Inc. No. 96,478; Apr. 21; Gaz. vol. 201; p. 897.
- Milk, butter, and walnuts. The J. K. Armsby Co. No. 96,770; May 5; Gaz. vol. 202; p. 309.
- Milk, Condensed. Borden's Condensed Milk Co. No. 96,095; Apr. 7; Gaz. vol. 201; p. 261.
- Milk, Condensed. Borden's Condensed Milk Company. No. 99,194; Aug. 25; Gaz. vol. 205; p. 1315.
- Milk, Condensed. Holland Food Corporation. No. 100,123; Oct. 6; Gaz. vol. 207; p. 294.
- Milk, Condensed. Holly Condensed Milk Co. No. 101,576; Dec. 29; Gaz. vol. 209; p. 1687.
- Milk, Condensed. Mohawk Condensed Milk Co. No. 96,030; Mar. 31; Gaz. vol. 200; p. 1387.
- Milk, Condensed. Mohawk Condensed Milk Co. No. 97,716; June 16; Gaz. vol. 203; p. 922.
- Milk, Condensed. South Holland Milk Corporation. No. 99,810; Sept. 15; Gaz. vol. 206; p. 873.
- Milk, Condensed and evaporated. Lewisburg Condensed Milk Company. No. 94,916; Jan. 13; Gaz. vol. 198; p. 491.
- Milk, condensed milk, cream, &c. Borden's Condensed Milk Company. No. 101,127; Nov. 17; Gaz. vol. 208; p. 979.
- Milk, cream, butter, dressed poultry, fruits, and vegetables. J. S. Harlan. No. 96,585; Apr. 21; Gaz. vol. 201; p. 900.
- Milk, Desiccated. The Dry Milk Company. No. 99,042; Aug. 11; Gaz. vol. 205; p. 659.
- Milk, Evaporated. Crary Pure Food Company. No. 99,037; Aug. 11; Gaz. vol. 205; p. 658.
- Milk, Evaporated. The John Wildi Evaporated Milk Co. No. 100,676; Oct. 20; Gaz. vol. 207; p. 932.
- Milk, Evaporated. The John Wildi Evaporated Milk Co. Nos. 100,734-6; Oct. 20; Gaz. vol. 207; p. 934.
- Milk, Evaporated. The Sheboygan Evaporated Milk Co. No. 98,706; July 28; Gaz. vol. 204; p. 1342.
- Milk, Evaporated. The Sheboygan Evaporated Milk Co. No. 100,636; Oct. 20; Gaz. vol. 207; p. 931.
- Milk, Evaporated and condensed. Alpine Evaporated Cream Co. No. 97,026; May 19; Gaz. vol. 202; p. 945.
- Milk, Evaporated and condensed. The Ohio Dairy Company. Nos. 96,449-50; Apr. 21; Gaz. vol. 201; p. 897.
- Milk, Skimmed powdered. American Milk Company. No. 98,232; July 7; Gaz. vol. 204; p. 312.
- Milk, Sweetened condensed. Hudson Condensed Milk Co. No. 101,289; Nov. 24; Gaz. vol. 208; p. 1352.
- Milk, whey, cream, butter, and cheese. H. Prinz. No. 96,905; May 5; Gaz. vol. 202; p. 313.
- Milking-machines and parts thereof and combustion-motors and compressors. Aktiebolaget Mjölkningsmaskinen Omega. No. 98,031; June 30; Gaz. vol. 203; p. 1551.
- Millboards. The Agasote Millboard Co. No. 99,676; Sept. 15; Gaz. vol. 206; p. 869.
- Milling, drilling, and grinding metal, Machines for. Valley City Machine Works. No. 96,371; Apr. 14; Gaz. vol. 201; p. 567.
- Mills for grinding corn, &c., Bur and attrition. Munson Bros. Co. No. 96,711; Apr. 28; Gaz. vol. 201; p. 1215.
- Mince-meat, tomato catchup, corn-starch, and table-syrup. Downing Taylor Co. No. 98,335; July 7; Gaz. vol. 204; p. 315.
- Mineral product for treatment of intestinal disorders, &c., Pure Russian. A. G. Belden. No. 101,033; Nov. 10; Gaz. vol. 208; p. 651.
- Minerals and mineral samples. Foote Mineral Co. No. 96,264; Apr. 14; Gaz. vol. 201; p. 564.
- Molasses. The American Refining Company. No. 95,586; Mar. 3; Gaz. vol. 200; p. 273.
- Molding machinery used in metal-casting. The Tabor Manufacturing Company. No. 100,911; Oct. 27; Gaz. vol. 207; p. 1246.
- Molds and mold-clamps, scaffolds, hoists, and clamps. Monolithic Silo & Construction Company. No. 95,776; Mar. 10; Gaz. vol. 200; p. 578.
- Money-receptacles, Decorative metallic. A. G. Wiener. No. 97,101; May 19; Gaz. vol. 202; p. 947.
- Mops. H. L. Feasel. No. 95,896; Mar. 24; Gaz. vol. 200; p. 1110.
- Mops. Pirrung Manufacturing Company. No. 96,039; Mar. 31; Gaz. vol. 200; p. 1387.
- Mops. Wizard Products Company. Nos. 100,681-2; Oct. 20; Gaz. vol. 207; p. 932.
- Mops and parts. A. Mendelsohn. No. 100,373; Oct. 20; Gaz. vol. 207; p. 923.
- Mortar and cement, Waterproof. The Waterproofing Co. No. 96,212; Apr. 7; Gaz. vol. 201; p. 264.
- Moth and insect preventives and disinfectants. The Lewy Chemical Co. No. 94,818; Jan. 6; Gaz. vol. 198; p. 235.
- Moth-repellent. The Roos Manufacturing Company. No. 101,051; Nov. 10; Gaz. vol. 208; p. 651.
- Mothproofed fabrics. G. J. Meyer. No. 97,630; June 16; Gaz. vol. 203; p. 920.
- Motor-bodies, mud-guards, wind-shields, &c. "Carros-serie Van den Plas," Sté. en nom collectif. No. 98,749; Aug. 4; Gaz. vol. 205; p. 297.
- Motor-fuel improvers. M. Norman. No. 98,076; June 30; Gaz. vol. 203; p. 1553.
- Motor-spirits, a substitute for gasoline. Standard Oil Company. No. 95,167; Feb. 3; Gaz. vol. 199; p. 300.
- Motors, Electric. Thomas A. Edison, Incorporated. No. 98,375; July 14; Gaz. vol. 204; p. 669.
- Motto-cards. Morris & Bendien. No. 97,550; June 9; Gaz. vol. 203; p. 598.
- Mouse-traps. Oneida Community. No. 98,809; Aug. 4; Gaz. vol. 205; p. 298.
- Mouth-wash. E. C. Palmer. No. 100,149; Oct. 5; Gaz. vol. 207; p. 295.
- Mower-knife heads. International Harvester Company of New Jersey. No. 95,321; Feb. 10; Gaz. vol. 199; p. 612.
- Mower sharpeners, Lawn-. The Chesbro Manufacturing Company. No. 100,097; Oct. 6; Gaz. vol. 207; p. 293.
- Mowers and parts thereof. International Harvester Company of New Jersey. No. 100,981; Nov. 3; Gaz. vol. 208; p. 334.
- Mowers, Lawn-. The Fair. No. 99,961; Sept. 29; Gaz. vol. 206; p. 1432.
- Mucilage, glue, &c. Dennison Manufacturing Company. No. 100,521; Oct. 20; Gaz. vol. 207; p. 927.
- Mucilage, glue, sealing-wax, and paste. Dennison Manufacturing Company. No. 95,751; Mar. 10; Gaz. vol. 200; p. 577.
- Mucilage, paste, and adhesive gum. The Powers National Ink Company. No. 97,889; June 23; Gaz. vol. 203; p. 1257.
- Muffler cut-outs, flexible shafts for machines, and carbureters. The G. Piel Company. No. 95,847; Mar. 17; Gaz. vol. 200; p. 854.
- Mufflers. Frank & Meyer Neckwear Company. No. 99,091; Aug. 18; Gaz. vol. 205; p. 1015.
- Mufflers. W. Reetz. No. 94,938; Jan. 13; Gaz. vol. 198; p. 491.
- Music-rolls, Perforated. Lyon & Healy. No. 95,712; Mar. 3; Gaz. vol. 200; p. 276.

Alphabetical list of trade-marks—Continued.

- Music-sheets. Imperial Player Roll Company. No. 99,466; Sept. 1; Gaz. vol. 206; p. 308.
- Musical-instrument bows. E. Sartory. No. 98,820; Aug. 4; Gaz. vol. 205; p. 299.
- Musical-instrument note-sheets, Perforated. Q. R. S. Company. No. 97,274; May 26; Gaz. vol. 202; p. 1255.
- Musical-instrument pneumatic actions and pumps. Standard Pneumatic Action Company. No. 101,111; Nov. 10; Gaz. vol. 208; p. 653.
- Musical-instrument strings. F. Bruckner Manufacturing Company. No. 96,937; May 12; Gaz. vol. 202; p. 627.
- Musical-instrument strings. Wm. R. Gratz Import Co. No. 97,238; May 26; Gaz. vol. 202; p. 1254.
- Musical-instrument strings. Lyon & Healy. No. 96,976; May 12; Gaz. vol. 202; p. 628.
- Musical-instrument strings, Gut. M. T. Stratton. No. 101,112; Nov. 10; Gaz. vol. 208; p. 653.
- Musical-instrument strings, Wire. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 95,086; Feb. 3; Gaz. vol. 199; p. 298.
- Musical-instrument strings, Wire or catgut. E. Scheffler. No. 95,355; Feb. 10; Gaz. vol. 199; p. 613.
- Musical instruments and attachments, Certain named. Aeolian Company. Nos. 95,725-6; Mar. 10; Gaz. vol. 200; p. 577.
- Musical instruments and gut strings for same. M. T. Stratton. No. 101,113; Nov. 10; Gaz. vol. 208; p. 653.
- Musical instruments and parts thereof, Certain named. S. Buegeleisen. No. 95,056; Feb. 3; Gaz. vol. 199; p. 297.
- Musical instruments and parts thereof, Certain named. S. Buegeleisen. No. 95,517; Feb. 24; Gaz. vol. 199; p. 1239.
- Musical instruments and parts thereof, Certain named. S. Buegeleisen. No. 95,701; Mar. 3; Gaz. vol. 200; p. 276.
- Musical instruments and strings therefor, Certain named. Musicians Supply Company. No. 95,462; Feb. 17; Gaz. vol. 199; p. 935.
- Musical instruments and supplies, Certain named. C. Essbach. No. 99,863; Sept. 22; Gaz. vol. 206; p. 1158.
- Musical instruments and supplies, Certain named. The Liszt Co. No. 100,217; Oct. 13; Gaz. vol. 207; p. 605.
- Musical instruments and supplies for same. Musicians Supply Company. No. 95,842; Mar. 17; Gaz. vol. 200; p. 853.
- Musical instruments, Certain named. Geo. Borgfeldt & Co. No. 96,935; May 12; Gaz. vol. 202; p. 627.
- Musical instruments, parts, and accessories, Certain named. C. Bruno & Son. No. 99,941; Sept. 29; Gaz. vol. 206; p. 1431.
- Musical instruments, parts thereof, &c. Choralcelo Company. No. 99,428; Sept. 1; Gaz. vol. 206; p. 307.
- Musical instruments, Wire strings for. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 94,807; Jan. 6; Gaz. vol. 198; p. 235.
- Muslin. Converse & Company. No. 99,084; Aug. 18; Gaz. vol. 205; p. 1015.
- Muslin, Unbleached. Carson, Pirie, Scott & Co. No. 97,321; June 2; Gaz. vol. 203; p. 297.
- Muslin, Unbleached. Carson, Pirie, Scott & Co. No. 97,821; June 23; Gaz. vol. 203; p. 1255.
- Muslin, Unbleached. Carson, Pirie, Scott & Co. No. 98,477; July 21; Gaz. vol. 204; p. 1005.
- Muslins, Bleached and unbleached. Wheeler & Motter Mercantile Company. Nos. 98,839-43; Aug. 4; Gaz. vol. 205; p. 300.
- Muslins, Bleached and unbleached. Wheeler & Motter Mercantile Company. Nos. 99,264-5; Aug. 25; Gaz. vol. 205; p. 1317.
- Muslins, lace and drapery fabrics, and cotton goods, Madras. A. Jamieson & Co. No. 95,829; Mar. 17; Gaz. vol. 200; p. 853.
- Mutton and lamb, Frozen. Christchurch Meat Company. No. 98,634; July 28; Gaz. vol. 204; p. 1339.
- Nail-polish. Richard Hudnut. Nos. 100,552-3; Oct. 20; Gaz. vol. 207; p. 928.
- Nail polish and bleach, cuticle and stain remover. Oriental Manicure Specialty Co. No. 96,452; Apr. 21; Gaz. vol. 201; p. 897.
- Nails and screws, Horse and frost. Uddeholms Aktiebolag. No. 100,942; Nov. 3; Gaz. vol. 208; p. 333.
- Nails, Horse-. The Capewell Horse Nail Company. No. 100,264; Oct. 20; Gaz. vol. 207; p. 920.
- Nails, screws, metal pipes and valves, traps. Hibbard, Spencer, Bartlett & Co. No. 96,013; Mar. 31; Gaz. vol. 200; p. 1386.
- Naphtha, benzin, and gasoline. The Texas Company. No. 100,049; Sept. 29; Gaz. vol. 206; p. 1434.
- Naphtha, gasoline, and benzin. Vacuum Oil Company. No. 94,963; Jan. 13; Gaz. vol. 198; p. 492.
- Narcotin and morphin double salt. C. F. Boehringer & Soehne. No. 96,860; May 5; Gaz. vol. 202; p. 311.
- Neckscarfs. I. D. Wolfson. No. 100,471; Oct. 20; Gaz. vol. 207; p. 926.
- Neckties. The Fair. Nos. 100,305-6; Oct. 20; Gaz. vol. 207; p. 921.
- Neckties. William Hollins & Company. No. 98,525; July 21; Gaz. vol. 204; p. 1007.
- Neckties. D. & E. L. Mayer. No. 96,315; Apr. 14; Gaz. vol. 201; p. 566.
- Neckties. L. Samter & Sons. No. 97,361; June 2; Gaz. vol. 203; p. 298.
- Neckties and neckscarfs. L. Auerbach. No. 96,482; Apr. 21; Gaz. vol. 201; p. 898.
- Neckties, belts, suspenders, and garters. Frank & Meyer Neckwear Company. No. 96,878; May 5; Gaz. vol. 202; p. 312.
- Neckties, neckscarfs, jabots, belts, &c. H. A. Budd. No. 98,473; July 21; Gaz. vol. 204; p. 1005.
- Neckwear and neckscarfs, Ladies. G. W. Barlow, Jr. No. 99,535; Sept. 8; Gaz. vol. 206; p. 583.
- Neckwear, collars, and jabots, flowers, millinery, sashes, &c., Lace. R. Roth. No. 96,910; May 5; Gaz. vol. 202; p. 313.
- Neckwear, Men's. I. Friedman. No. 99,454; Sept. 1; Gaz. vol. 206; p. 308.
- Needles and knitting-pins. J. English & Son. No. 100,301; Oct. 20; Gaz. vol. 207; p. 921.
- Needles, Hand-sewing. J. English & Son. No. 100,300; Oct. 20; Gaz. vol. 207; p. 921.
- Needles, Hand-sewing. Success Novelty Ads Co. No. 99,663; Sept. 8; Gaz. vol. 206; p. 587.
- Needles, hooks and eyes, Hand-sewing. A. O. Meyer. No. 96,528; Apr. 21; Gaz. vol. 201; p. 898.
- Needles, Machine-. C. B. Barker & Co. No. 97,113; May 19; Gaz. vol. 202; p. 947.
- Needles, Machine-. Union Special Machine Company. No. 95,364; Feb. 10; Gaz. vol. 199; p. 613.
- Needles, Machine-. Union Special Machine Company. No. 98,718; July 28; Gaz. vol. 204; p. 1342.
- Needles, Machine-. Union Special Machine Company. No. 100,051; Sept. 29; Gaz. vol. 206; p. 1434.
- Needles, pins, bodkins, and crochet-hooks. J. English & Son. No. 98,650; July 28; Gaz. vol. 204; p. 1340.
- Needles, safety and hair pins, Sewing and crochet. Thüringische Nadel- & Stahlwaren-Fabrik Wolff, Knippenberg & Co. Actien-Gesellschaft. No. 95,853; Mar. 17; Gaz. vol. 200; p. 854.
- Needles, safety-pins, and hair-pins, Sewing and crochet. Thüringische Nadel- & Stahlwaren-Fabrik Wolff, Knippenberg & Co. Actien-Gesellschaft. No. 95,799; Mar. 10; Gaz. vol. 200; p. 579.
- Needles, Sewing-machine. Northwestern Needle Company. No. 100,143; Oct. 6; Gaz. vol. 207; p. 295.
- Needles, Sewing-machine. Northwestern Needle Company. No. 101,000; Nov. 3; Gaz. vol. 208; p. 335.
- Needles, Spring and solid eye sack, burlap, bag, hop, &c. Barr Bros. Co. No. 98,852; Aug. 4; Gaz. vol. 205; p. 300.
- Nettings, veillings, scrims, voiles, chiffons, &c. Geo. Borgfeldt & Co. No. 96,862; May 5; Gaz. vol. 202; p. 311.
- Neutralizer and eliminant for the treatment of certain diseases. Luyties Pharmacy Company. No. 98,169; July 7; Gaz. vol. 204; p. 310.
- Newspaper articles. The Press Publishing Company, (New York World.) No. 101,592; Dec. 29; Gaz. vol. 209; p. 1688.
- Newspaper-clippings. W. Hyams & Company. No. 96,678; Apr. 28; Gaz. vol. 201; p. 1214.
- Newspaper-section published periodically. Post Publishing Company. No. 97,558; June 9; Gaz. vol. 203; p. 598.
- Newspaper-section published periodically. Star Company. No. 95,678; Mar. 3; Gaz. vol. 200; p. 275.
- Newspaper, Weekly. B. S. Elrod. No. 95,310; Feb. 10; Gaz. vol. 199; p. 612.
- Newspaper, Weekly. Hibernian Publishing Co. No. 95,100; Feb. 3; Gaz. vol. 199; p. 299.
- Nitrating liquids. A. Hough. No. 100,706; Oct. 20; Gaz. vol. 207; p. 933.
- Nitrogen products. Norsk Hydro-elektrisk Kvælstofaktieselskab. No. 100,142; Oct. 6; Gaz. vol. 207; p. 295.
- Noodles. Jaburg Brothers. No. 95,916; Mar. 24; Gaz. vol. 200; p. 1110.
- Noodles. E. Schoen. No. 96,052; Mar. 31; Gaz. vol. 200; p. 1387.
- Nursing-bottles. Swindell Brothers. No. 98,334; July 7; Gaz. vol. 204; p. 315.
- Nutcrackers. Woldert Grocery Company. No. 95,186; Feb. 3; Gaz. vol. 199; p. 301.
- Nuts and nut-meats. The Nut House. No. 98,552; July 21; Gaz. vol. 204; p. 1008.
- Nuts and salted nuts. E. F. Kemp. No. 97,059; May 19; Gaz. vol. 202; p. 946.
- Oats. Consolidated Grocery Company. No. 95,704; Mar. 3; Gaz. vol. 200; p. 276.
- Oats, Whole. Callahan & Sons. No. 97,119; May 19; Gaz. vol. 202; p. 947.
- Oats, Whole. Callahan & Sons. No. 97,210; May 26; Gaz. vol. 202; p. 1253.
- Oculists' instruments and appliances. General Optical Company. No. 97,235; May 26; Gaz. vol. 202; p. 1254.
- Odometers and speedometers. The American Hardware Corporation. No. 101,438; Dec. 15; Gaz. vol. 209; p. 1049.
- Oil and grease, Lubricating. American Motor Equipment Co. No. 96,218; Apr. 14; Gaz. vol. 201; p. 563.

Alphabetical list of trade-marks—Continued.

- Oil and macaroni, Olive-. Cella Brothers. No. 100,094; Oct. 6; Gaz. vol. 207; p. 293.
- Oil and macaroni, Olive-. F. Mosca. No. 97,995; June 30; Gaz. vol. 203; p. 1550.
- Oil and macaroni, Olive-. The Youngstown Macaroni Co. No. 97,304; May 26; Gaz. vol. 202; p. 1256.
- Oil, Automobile cylinder-. Eagle Oil & Supply Co. No. 100,964; Nov. 3; Gaz. vol. 208; p. 333.
- Oil, Automobile lubricating-. Gulf Refining Company. No. 95,541; Feb. 24; Gaz. vol. 199; p. 1240.
- Oil, being a medicinal oil, Haarlem. Naamlooze Vennootschap Maatschappij tot Voortzetting der Zaken Gedreven onder den Naam Klass Tilly. No. 98,961; Aug. 11; Gaz. vol. 205; p. 656.
- Oil, Castor-. A. E. Brown. No. 98,125; July 7; Gaz. vol. 204; p. 309.
- Oil-cloth and linoleum, Composition for treatment of new and old. Farr and Bailey Manufacturing Company. No. 100,787; Oct. 27; Gaz. vol. 207; p. 1242.
- Oil-cloths. C. M. Bailey's Sons & Co. No. 98,464; July 21; Gaz. vol. 204; p. 1005.
- Oil compound, Castor-. Waterbury Chemical Company. No. 96,068; Mar. 31; Gaz. vol. 200; p. 1388.
- Oil, Cooking-. Grayson Oil & Cotton Co. No. 97,609; June 16; Gaz. vol. 203; p. 919.
- Oil, Cooking-. The Texas Refining Company. No. 96,466; Apr. 21; Gaz. vol. 201; p. 897.
- Oil, Cooking-. Union Lard Corporation. No. 95,683; Mar. 3; Gaz. vol. 200; p. 275.
- Oil, Corn-. Edible Seed Oils Company. Nos. 99,569-70; Sept. 8; Gaz. vol. 206; p. 584.
- Oil, Cotton-seed. Aspegren & Co. No. 94,860; Jan. 13; Gaz. vol. 198; p. 489.
- Oil, Cotton-seed. Edible Seed Oils Company. Nos. 95,206-7; Feb. 3; Gaz. vol. 199; p. 302.
- Oil, Cotton-seed. Kentucky Refining Co. No. 95,438; Feb. 17; Gaz. vol. 199; p. 934.
- Oil, Cotton-seed. Kentucky Refining Co. No. 97,061; May 19; Gaz. vol. 202; p. 946.
- Oil-cups. G. B. Sundell. No. 97,453; June 2; Gaz. vol. 203; p. 301.
- Oil dressing, Harness-. The Hutchinson Oil Company. No. 99,745; Sept. 15; Gaz. vol. 206; p. 871.
- Oil, Engine-. Wm. C. Robinson & Son Co. No. 100,030; Sept. 29; Gaz. vol. 206; p. 1434.
- Oil filtration and circulation apparatus. S. F. Bowser & Company. No. 98,358; July 14; Gaz. vol. 204; p. 669.
- Oil, Floor and furniture. Tampa Varnish Company. No. 99,369; Aug. 25; Gaz. vol. 205; p. 1320.
- Oil, Fluid lubricating-. The De Laval Separator Company. No. 97,219; May 26; Gaz. vol. 202; p. 1253.
- Oil for constipation, Medicinal. Riker & Hegeman Co. No. 100,028; Sept. 29; Gaz. vol. 206; p. 1434.
- Oil for finishing and sizing cotton goods. W. C. Robinson & Son Co. No. 96,909; May 5; Gaz. vol. 202; p. 313.
- Oil, Gas-engine tractor-. Standard Oil Company. No. 95,169; Feb. 3; Gaz. vol. 199; p. 300.
- Oil for illuminating, heating, and power purposes, Refined. Standard Oil Co. No. 101,058; Nov. 10; Gaz. vol. 208; p. 652.
- Oil for the hair and head. G. S. Morgan. No. 99,397; Aug. 25; Gaz. vol. 205; p. 1321.
- Oil for the treatment of certain diseases. M. F. Schlesinger. No. 97,277; May 26; Gaz. vol. 202; p. 1255.
- Oil, Furniture-polishing. Radio Company. No. 98,967; Aug. 11; Gaz. vol. 205; p. 656.
- Oil, Insecticide-. United States Whip Company. No. 94,843; Jan. 6; Gaz. vol. 198; p. 236.
- Oil, Leather-. Wm. C. Robinson & Son Co. No. 98,696; July 28; Gaz. vol. 204; p. 1341.
- Oil, Leather-. Wm. C. Robinson & Son Co. No. 98,816; Aug. 4; Gaz. vol. 205; p. 299.
- Oil, Linseed-. Firm of A. O. Meyer. No. 99,331; Aug. 25; Gaz. vol. 205; p. 1319.
- Oil, Liquid castor-. Spencer Kellogg & Sons. No. 97,145; May 19; Gaz. vol. 202; p. 948.
- Oil, Lubricating-. W. E. Benson. No. 100,753; Oct. 27; Gaz. vol. 207; p. 1241.
- Oil, Lubricating-. Maloney Oil & Manufacturing Company. No. 95,331; Feb. 10; Gaz. vol. 199; p. 612.
- Oil, Lubricating-. Markham, Sons & Co. No. 97,259; May 26; Gaz. vol. 202; p. 1255.
- Oil, Lubricating-. A. Mietz. No. 95,128; Feb. 3; Gaz. vol. 199; p. 299.
- Oil, Lubricating-. Packard Motor Car Company. No. 95,655; Mar. 3; Gaz. vol. 200; p. 275.
- Oil, Lubricating-. The Singer Manufacturing Company. No. 98,707; July 28; Gaz. vol. 204; p. 1342.
- Oil, Lubricating-. Standard Oil Company of California. No. 96,204; Apr. 7; Gaz. vol. 201; p. 264.
- Oil, Lubricating-. L. B. Walters. No. 95,025; Jan. 20; Gaz. vol. 198; p. 700.
- Oil, Lubricating and cleaning. A & V Oil Co. No. 100,145; Oct. 6; Gaz. vol. 207; p. 295.
- Oil, Machine-. Co-operative Drug Manufacturing Company, now by change of name American Drug Mfg. Co. Nos. 99,562-3; Sept. 8; Gaz. vol. 206; p. 584.
- Oil, Machine-. Co-operative Drug Manufacturing Company, now by change of name American Drug Mfg. Co. No. 99,702; Sept. 15; Gaz. vol. 206; p. 869.
- Oil, Machine-. Co-operative Drug Manufacturing Company, now by change of name American Drug Mfg. Co. No. 99,954; Sept. 29; Gaz. vol. 206; p. 1431.
- Oil, Massage-. J. L. Wiley. No. 98,028; June 30; Gaz. vol. 203; p. 1551.
- Oil, Medically-prepared petroleum-. J. W. Surbrug. No. 101,546; Dec. 22; Gaz. vol. 209; p. 1314.
- Oil, Medicinal. Hamlins Wizard Oil Company. No. 95,542; Feb. 24; Gaz. vol. 199; p. 1240.
- Oil of wintergreen. The American Salesthyll Mfg. Co. No. 97,110; May 19; Gaz. vol. 202; p. 947.
- Oil of wintergreen in the form of a salve. The American Salesthyll Mfg. Co. No. 97,109; May 19; Gaz. vol. 202; p. 947.
- Oil, oleo-stearin, and pure lard, Composition of. C. H. Brunier. No. 95,885; Mar. 24; Gaz. vol. 200; p. 1109.
- Oil, Olive-. Alberti Importing and Exporting Co. No. 98,848; Aug. 4; Gaz. vol. 205; p. 300.
- Oil, Olive-. Aprea Bros. No. 99,833; Sept. 22; Gaz. vol. 206; p. 1157.
- Oil, Olive-. The Caserta Wine Co. No. 99,692; Sept. 15; Gaz. vol. 206; p. 869.
- Oil, Olive-. C. A. Covino. No. 97,953; June 30; Gaz. vol. 203; p. 1549.
- Oil, Olive-. A. D. Davini. No. 97,043; May 19; Gaz. vol. 202; p. 945.
- Oil, Olive-. Enrique Grana é Hijos. No. 97,974; June 30; Gaz. vol. 203; p. 1550.
- Oil, Olive-. Fantini & Latorraca. No. 96,578; Apr. 21; Gaz. vol. 201; p. 900.
- Oil, Olive-. J. Finelli. No. 99,868; Sept. 22; Gaz. vol. 206; p. 1158.
- Oil, Olive-. P. Fortuna & Del Magro. No. 98,272; July 7; Gaz. vol. 204; p. 313.
- Oil, Olive-. F. Garbini e Figli. No. 99,573; Sept. 8; Gaz. vol. 206; p. 584.
- Oil, Olive-. P. Glunta and Son. No. 98,276; July 7; Gaz. vol. 204; p. 314.
- Oil, Olive-. G. F. Heublein & Bro. No. 99,740; Sept. 15; Gaz. vol. 206; p. 871.
- Oil, Olive-. F. P. é Hijos. No. 96,415; Apr. 21; Gaz. vol. 201; p. 896.
- Oil, Olive-. Italian Importing Company. No. 98,289; July 7; Gaz. vol. 204; p. 314.
- Oil, Olive-. Lofaro & Rossi. No. 96,434; Apr. 21; Gaz. vol. 201; p. 896.
- Oil, Olive-. Lofaro & Rossi. No. 96,813; May 5; Gaz. vol. 202; p. 310.
- Oil, Olive-. George Lueders & Co. No. 97,988; June 30; Gaz. vol. 203; p. 1550.
- Oil, Olive-. Roethlisberger & Co. No. 98,010; June 30; Gaz. vol. 203; p. 1551.
- Oil, Olive-. Rome Importing Co. No. 100,224; Oct. 13; Gaz. vol. 207; p. 606.
- Oil, Olive-. F. R. Sari. No. 98,201; July 7; Gaz. vol. 204; p. 311.
- Oil, Olive-. G. Sasso & Sons. No. 95,946; Mar. 24; Gaz. vol. 200; p. 1111.
- Oil, Olive-. A. Sisti. No. 101,054; Nov. 10; Gaz. vol. 208; p. 651.
- Oil, Olive-. A. Starace. No. 95,573; Feb. 24; Gaz. vol. 199; p. 1241.
- Oil, Petroleum lubricating-. Indian Refining Company. No. 101,290; Nov. 24; Gaz. vol. 208; p. 1352.
- Oil preparation and emulsion used in leather and textile industries. Society of Chemical Industry in Basle. No. 95,571; Feb. 24; Gaz. vol. 199; p. 1241.
- Oil preparation for certain ailments, Liquid. The Pineoleum Company. No. 96,038; Mar. 31; Gaz. vol. 200; p. 1387.
- Oil, Sesame-. Purabla Oil Company. No. 101,048; Nov. 10; Gaz. vol. 208; p. 651.
- Oil, temple-restorer, and hair-grower, Straightening-. S. Booker. No. 95,514; Feb. 24; Gaz. vol. 199; p. 1239.
- Oil to animals, Machines for applying. The Hog-Joy Company. No. 98,776; Aug. 4; Gaz. vol. 205; p. 298.
- Oil, tomato catsup, and vinegars, Salad-. Spitalnik & Bushel. No. 100,640; Oct. 20; Gaz. vol. 207; p. 931.
- Oil trousers, jackets, and coats. H. Goldberg. No. 100,540; Oct. 20; Gaz. vol. 207; p. 928.
- Oil, Type-writer. Tower Manufacturing & Novelty Co. No. 97,187; May 19; Gaz. vol. 202; p. 950.
- Oil used in the cutting and lubrication of metal. H. S. Bancroft. No. 96,225; Apr. 14; Gaz. vol. 201; p. 563.
- Oils and grease, Lubricating. Pierce Oil Corporation. No. 100,882; Oct. 27; Gaz. vol. 207; p. 1243.
- Oils and greases. The Hawkeye Oil Company. No. 100,815; Oct. 27; Gaz. vol. 207; p. 1243.
- Oils and greases. Union Petroleum Company. No. 99,518; Sept. 1; Gaz. vol. 206; p. 310.
- Oils and greases and kerosene and gasoline, Lubricating. Miller Oil Co. No. 97,715; June 16; Gaz. vol. 203; p. 922.
- Oils and greases, Certain named. H. Cooley. No. 96,868; May 5; Gaz. vol. 202; p. 312.
- Oils and greases, Certain named. Freedom Oil Works Co. No. 95,535; Feb. 24; Gaz. vol. 199; p. 1240.
- Oils and greases, Certain named. Indian Refining Company. No. 100,826; Oct. 27; Gaz. vol. 207; p. 1243.

- Oils and greases, Lubricating. General Oil Manufacturing Company. No. 98,509; July 21; Gaz. vol. 204; p. 1006.
- Oils and greases, Lubricating. W. R. Grace & Company. No. 96,279; Apr. 14; Gaz. vol. 201; p. 565.
- Oils and greases, Lubricating. Oilco Company. No. 95,340; Feb. 10; Gaz. vol. 199; p. 612.
- Oils and greases, Lubricating. Platt & Washburn Refining Company. No. 97,888; June 23; Gaz. vol. 203; p. 1257.
- Oils and greases, Lubricating. Schliemann's Oil & Ceresine Company. No. 95,160; Feb. 3; Gaz. vol. 199; p. 300.
- Oils and greases, Lubricating. Union Oil Company of California. No. 96,738; Apr. 28; Gaz. vol. 201; p. 1216.
- Oils and greases, Lubricating. West India Oil Company. No. 95,182; Feb. 3; Gaz. vol. 199; p. 301.
- Oils and greases, Lubricating. The White & Bagley Co. No. 100,936; Oct. 27; Gaz. vol. 207; p. 1246.
- Oils and greases, Lubricating. G. F. Whitney Company. No. 97,301; May 26; Gaz. vol. 202; p. 1256.
- Oils and lubricants for motor-cycles. Marshall Oil Company of Iowa. No. 100,134; Oct. 6; Gaz. vol. 207; p. 295.
- Oils and varnishes, Artists'. E. H. & A. C. Friedrichs Co. No. 99,968; Sept. 29; Gaz. vol. 206; p. 1432.
- Oils applicable as finishes, &c., for the textile industry. Society of Chemical Industry in Basle. No. 96,918; May 5; Gaz. vol. 202; p. 313.
- Oils, candles, greases, and the like, Certain named. Standard Oil Company. No. 98,431; July 14; Gaz. vol. 204; p. 671.
- Oils, Certain food-. H. Schlinck & Cie., A. G. No. 98,320; July 7; Gaz. vol. 204; p. 315.
- Oils, Cylinder and engine. Wm. C. Robinson & Son Co. No. 96,342; Apr. 14; Gaz. vol. 201; p. 566.
- Oils, Engine and machine. Wm. C. Robinson & Son Co. No. 101,011; Nov. 3; Gaz. vol. 208; p. 335.
- Oils, Floor-. C. W. Coburn. No. 99,430; Sept. 1; Gaz. vol. 206; p. 307.
- Oils for cleaning and polishing wood-surfaces, Prepared. The Automatic Mist Company. No. 97,112; May 19; Gaz. vol. 202; p. 947.
- Oils for food, Seed-. S. S. Stacneck. No. 97,287; May 26; Gaz. vol. 202; p. 1255.
- Oils for gas engines and motors, Lubricating-. New York & New Jersey Lubricant Co. No. 100,872; Oct. 27; Gaz. vol. 207; p. 1245.
- Oils, &c., for perfuming clothing, preventing moths, &c., Cedar-. Uno Manufacturing Company. No. 101,435; Dec. 8; Gaz. vol. 209; p. 681.
- Oils, Hydrocarbon. Dundas Engineering Company. No. 96,504; Apr. 21; Gaz. vol. 201; p. 898.
- Oils, Illuminating-. Riley-Pennsylvania Oil Company. No. 96,186; Apr. 7; Gaz. vol. 201; p. 264.
- Oils, Illuminating-. Standard Oil Co. of New York. No. 98,986; Aug. 11; Gaz. vol. 205; p. 657.
- Oils, Illuminating and fuel. H. Cooley. No. 96,255; Apr. 14; Gaz. vol. 201; p. 564.
- Oils, Illuminating and lubricating. Kansas City Oil Co. No. 94,998; Jan. 20; Gaz. vol. 198; p. 699.
- Oils, lubricants, candles, &c., Certain named. The Asiatic Petroleum Company. No. 98,112; July 7; Gaz. vol. 204; p. 309.
- Oils, Lubricating-. C. B. Barker & Co. No. 97,114; May 19; Gaz. vol. 202; p. 947.
- Oils, Lubricating-. L. Blaustein. No. 97,673; June 16; Gaz. vol. 203; p. 921.
- Oils, Lubricating-. Gibbs-Brown Oil and Gasoline Company. No. 98,381; July 14; Gaz. vol. 204; p. 670.
- Oils, Lubricating-. Gibbs-Brown Oil and Gasoline Company. No. 98,511; July 21; Gaz. vol. 204; p. 1006.
- Oils, Lubricating-. A. W. Harris. Nos. 95,095-6; Feb. 3; Gaz. vol. 199; p. 298.
- Oils, Lubricating-. A. W. Harris Oil Co. No. 98,146; July 7; Gaz. vol. 204; p. 310.
- Oils, Lubricating-. A. W. Harris Oil Co. No. 98,870; Aug. 4; Gaz. vol. 205; p. 301.
- Oils, Lubricating-. A. W. Harris Oil Co. Nos. 99,096-7; Aug. 18; Gaz. vol. 205; p. 1015.
- Oils, Lubricating-. A. W. Harris. No. 99,302; Aug. 25; Gaz. vol. 205; p. 1318.
- Oils, Lubricating-. Platt & Washburn Refining Company. No. 98,686; July 28; Gaz. vol. 204; p. 1341.
- Oils, Lubricating-. Slido Manufacturing Co. No. 97,731; June 16; Gaz. vol. 203; p. 923.
- Oils, Lubricating-. The Franklin Oil & Gas Company. No. 98,654; July 28; Gaz. vol. 204; p. 1340.
- Oils, Lubricating-. E. A. Tygert Co. No. 100,916; Oct. 27; Gaz. vol. 207; p. 1246.
- Oils, Lubricating-. The White & Bagley Co. No. 95,811; Mar. 10; Gaz. vol. 200; p. 579.
- Oils, Lubricating and illuminating. Galena-Signal Oil Company. No. 97,326; June 2; Gaz. vol. 203; p. 297.
- Oils, lubricating-greases, &c., Lubricating-. Standard Oil Company. No. 101,430; Dec. 8; Gaz. vol. 209; p. 681.
- Oils, Pure crude and petroleum. C. G. Hershey. No. 96,133; Apr. 7; Gaz. vol. 201; p. 262.
- Oils, Water-soluble. I. Levinstein & Co. No. 97,707; June 16; Gaz. vol. 203; p. 922.
- Oilstones, whetstones, rubbing-bricks, &c. Norton Company. No. 98,889; Aug. 4; Gaz. vol. 205; p. 301.
- Ointment. H. L. Blow. No. 99,685; Sept. 15; Gaz. vol. 206; p. 869.
- Ointment. Equinoint Ltd. No. 96,118; Apr. 7; Gaz. vol. 201; p. 262.
- Ointment. A. W. Madden. No. 97,337; June 2; Gaz. vol. 203; p. 298.
- Ointment. E. L. Marr Bros. Co. No. 99,395; Aug. 25; Gaz. vol. 205; p. 1321.
- Ointment. A. Rogers. No. 100,159; Oct. 6; Gaz. vol. 207; p. 295.
- Ointment. F. M. Sames. No. 97,360; June 2; Gaz. vol. 203; p. 298.
- Ointment. F. Soukus. No. 96,201; Apr. 7; Gaz. vol. 201; p. 264.
- Ointment. J. H. Suydam. No. 95,268; Feb. 3; Gaz. vol. 199; p. 303.
- Ointment. The V. G. S. Syndicate. No. 101,022; Nov. 3; Gaz. vol. 208; p. 335.
- Ointment. The Vasa Company. No. 98,224; July 7; Gaz. vol. 204; p. 312.
- Ointment. Webster Chemical Co. No. 97,457; June 2; Gaz. vol. 203; p. 301.
- Ointment. Zonoz Chemical Co. No. 99,530; Sept. 1; Gaz. vol. 206; p. 310.
- Ointment and a remedy for diseases of the blood. L. C. Finlay. No. 97,228; May 26; Gaz. vol. 202; p. 1254.
- Ointment and medicinal preparation for rheumatism, &c., Medicated. M. C. Kane. No. 98,783; Aug. 4; Gaz. vol. 205; p. 298.
- Ointment and salves. The Swiss Drug Company. No. 100,048; Sept. 29; Gaz. vol. 206; p. 1434.
- Ointment-basis for endermic medicaments. W. W. Simpson. No. 94,837; Jan. 6; Gaz. vol. 198; p. 236.
- Ointment, Eczema-. J. H. Attig. No. 98,113; July 7; Gaz. vol. 204; p. 309.
- Ointment, Eczema-. Fishman & McGowan. No. 95,753; Mar. 10; Gaz. vol. 200; p. 577.
- Ointment, Foot-. Jordan's Foot Remedy Company. No. 96,681; Apr. 28; Gaz. vol. 201; p. 1215.
- Ointment for certain named ailments. W. C. Arnold. No. 98,994; Aug. 11; Gaz. vol. 205; p. 657.
- Ointment for certain named diseases. F. N. Booth. No. 97,389; June 2; Gaz. vol. 203; p. 299.
- Ointment for corns and callouses. M. W. Sargeant. No. 95,788; Mar. 10; Gaz. vol. 200; p. 579.
- Ointment for piles. C. E. Smith. No. 98,203; July 7; Gaz. vol. 204; p. 311.
- Ointment for relief of whooping-cough, croup, &c. H. S. Eggers. No. 97,411; June 2; Gaz. vol. 203; p. 300.
- Ointment, Hemorrhoid-. 20th Century Manufacturing Co. No. 100,095; Oct. 6; Gaz. vol. 207; p. 293.
- Ointment, Medical. The W. F. Gray Company. No. 95,711; Mar. 3; Gaz. vol. 200; p. 276.
- Ointment, Medicated. The American Ointment Co. No. 95,508; Feb. 24; Gaz. vol. 199; p. 1239.
- Ointment, Medicated. R. S. Scofield. No. 100,166; Oct. 6; Gaz. vol. 207; p. 295.
- Ointment, Medicinal. Manhattan Drug Company. No. 97,710; June 16; Gaz. vol. 203; p. 922.
- Ointment, Medicinal. Procaline Co. No. 100,152; Oct. 6; Gaz. vol. 207; p. 295.
- Ointments. J. R. Morton. No. 97,072; May 19; Gaz. vol. 202; p. 946.
- Ointments. N. Y. International Chemical Co. No. 94,823; Jan. 6; Gaz. vol. 198; p. 235.
- Ointments. Tryol Products Company. No. 98,219; July 7; Gaz. vol. 204; p. 312.
- Ointments and emulsions. J. F. Simpson. No. 96,197; Apr. 7; Gaz. vol. 201; p. 264.
- Ointments and salves. R. Rinaldi. No. 99,787; Sept. 15; Gaz. vol. 206; p. 872.
- Ointments, Medical. H. J. Denges. No. 100,289; Oct. 20; Gaz. vol. 207; p. 920.
- Oleomargarin. Ammon & Person. No. 98,615; July 28; Gaz. vol. 204; p. 1339.
- Oleomargarin. Geo. P. Braun Co. No. 94,876; Jan. 13; Gaz. vol. 198; p. 489.
- Oleomargarin. The Capital City Dairy Co. No. 101,362; Dec. 8; Gaz. vol. 209; p. 679.
- Oleomargarin. John F. Jelke Co. No. 97,248; May 26; Gaz. vol. 202; p. 1254.
- Oleomargarin. E. Taube. No. 99,665; Sept. 8; Gaz. vol. 206; p. 587.
- Olives, prepared mustard, and tomato catsup. Wilhelm Henning Co. No. 94,908; Jan. 13; Gaz. vol. 198; p. 490.
- Olives, sardines, peanut-butter, and salad-dressing. Meyer & Carmody Import Co. No. 98,306; July 7; Gaz. vol. 204; p. 315.
- Ophthalmic mountings. American Optical Company. No. 96,628; Apr. 28; Gaz. vol. 201; p. 1213.
- Opium substitute. The Hoffmann-La Roche Chemical Works. No. 96,588; Apr. 21; Gaz. vol. 201; p. 901.
- Optical goods, Certain named. American Optical Company. No. 95,861; Mar. 24; Gaz. vol. 200; p. 1109.
- Optical goods, Certain named. J. T. Laughlin. No. 94,914; Jan. 13; Gaz. vol. 198; p. 491.

Alphabetical list of trade-marks—Continued.

- Optical machinery, tools, and supplies used in fitting lenses. Central Optical Co. No. 98,127; July 7; Gaz. vol. 204; p. 309.
- Oranges. E. Schnitzler. No. 98,013; June 30; Gaz. vol. 203; p. 1551.
- Oranges and grape-fruit. L. T. Clawson. No. 99,550; Sept. 8; Gaz. vol. 206; p. 583.
- Oranges and grape-fruit. Ocoee Citrus Growers' Association. No. 94,926; Jan. 13; Gaz. vol. 198; p. 491.
- Oranges and grape-fruit. Walker Bros. No. 94,964; Jan. 13; Gaz. vol. 198; p. 492.
- Oranges, lemons, limes, and grape-fruit, Fresh. Elephant Orchards. No. 99,203; Aug. 25; Gaz. vol. 205; p. 1315.
- Oranges, lemons, limes, and grape-fruit, Fresh. Orange Growers Cash Association. No. 99,620; Sept. 8; Gaz. vol. 206; p. 585.
- Oranges, pineapples, lemons, limes, and grape-fruit. O. E. Spooner. No. 94,953; Jan. 13; Gaz. vol. 198; p. 492.
- Outlet-boxes. Thayer-Buck Electric Co. No. 97,185; May 19; Gaz. vol. 202; p. 949.
- Ovens. Domestic Utilities Manufacturing Co. No. 96,000; Mar. 31; Gaz. vol. 200; p. 1386.
- Overall union suits. The H. D. Lee Mercantile Company. No. 99,475; Sept. 1; Gaz. vol. 206; p. 309.
- Overalls. Alexander Bennie & Co. No. 100,251; Oct. 20; Gaz. vol. 207; p. 919.
- Overalls and trousers. Long-Hargrove Mfg. Co. No. 96,693; Apr. 28; Gaz. vol. 201; p. 1215.
- Overalls, jackets, jumpers, and work-shirts. Johnston & Larimer Dry Goods Co. No. 101,174; Nov. 17; Gaz. vol. 208; p. 980.
- Overalls, mackinaws, waterproof outer garments, &c. The Black Manufacturing Company. No. 100,949; Nov. 3; Gaz. vol. 208; p. 333.
- Overalls, shirts, and blouses. Berne Manufacturing Company. No. 100,490; Oct. 20; Gaz. vol. 207; p. 926.
- Overalls, trousers, and working-coats. Carson, Pirie, Scott & Co. No. 97,212; May 26; Gaz. vol. 202; p. 1253.
- Overalls, trousers, shirts. Sweet, Orr & Co. No. 100,648; Oct. 20; Gaz. vol. 207; p. 931.
- Overalls, uniform jumpers, and trousers. A. J. Blouin. No. 95,050; Feb. 3; Gaz. vol. 199; p. 297.
- Overalls, work trousers and shirts. Blue Bell Overall Company. No. 97,311; June 2; Gaz. vol. 203; p. 297.
- Overcoats. H. Block. No. 96,240; Apr. 14; Gaz. vol. 201; p. 563.
- Overcoats. Currick, Leiken & Bandler. No. 97,680; June 16; Gaz. vol. 203; p. 921.
- Overcoats. A. Decker & Cohn. No. 99,085; Aug. 18; Gaz. vol. 205; p. 1015.
- Overcoats, coats, capes, and jackets. Wallace, Scott & Co. No. 97,514; June 9; Gaz. vol. 203; p. 596.
- Overcoats, coats, vests, and trousers. B. Kuppenheimer & Company. No. 95,919; Mar. 24; Gaz. vol. 200; p. 1110.
- Overshirt, Negligée or soft. Goshen Shirt Manufacturing Company. No. 96,276; Apr. 14; Gaz. vol. 201; p. 564.
- Oxygen for treatment of chronic diseases, Compound. Starkey & Palen. No. 99,813; Sept. 15; Gaz. vol. 206; p. 873.
- Oysters. Armstrong Brothers. No. 96,083; Apr. 7; Gaz. vol. 201; p. 261.
- Oysters. Armstrong Brothers. No. 96,930; May 12; Gaz. vol. 202; p. 627.
- Oysters, clams, shrimps, lobsters, and fish. Booth Fisheries Company. No. 94,872; Jan. 13; Gaz. vol. 198; p. 489.
- Packages, containers, and wrappers for cereal foods, &c. Kellogg Toasted Corn Flake Company. No. 97,331; June 2; Gaz. vol. 203; p. 297.
- Packing, Asbestos. Essex Rubber Company. No. 99,716; Sept. 15; Gaz. vol. 206; p. 870.
- Packing, Asbestos. Essex Rubber Company. No. 101,143; Nov. 17; Gaz. vol. 208; p. 979.
- Packing, Asbestos sheet. Essex Rubber Company. Nos. 99,718-19; Sept. 15; Gaz. vol. 206; p. 870.
- Packing, Composite fiber and metal. Silva Bussenius & Company. No. 97,592; June 16; Gaz. vol. 203; p. 919.
- Packing, Composite rod. C. A. Daniel. No. 99,287; Aug. 25; Gaz. vol. 205; p. 1318.
- Packing, Fibrous sheet. Essex Rubber Company. No. 99,714; Sept. 15; Gaz. vol. 206; p. 870.
- Packing, Flexible metallic. Federal Metallic Packing Company. No. 95,614; Mar. 3; Gaz. vol. 200; p. 273.
- Packings and gaskets. American Asbestos Company. No. 97,585; June 16; Gaz. vol. 203; p. 919.
- Packings, Certain named materials for. J. P. Gallagher. No. 99,873; Sept. 22; Gaz. vol. 206; p. 1158.
- Packings, Fiber and rubber. Clement Restein Company. No. 101,209; Nov. 17; Gaz. vol. 208; p. 981.
- Packings, Metallic rod. Morris Metallic Packing Company. No. 100,862; Oct. 27; Gaz. vol. 207; p. 1244.
- Packings, Steam and hydraulic. Stewart Dickson & Co. No. 98,260; July 7; Gaz. vol. 204; p. 313.
- Padlocks, door and rim locks, and night-latches. The Slaymaker Lock Manufacturing Corporation. No. 98,709; July 28; Gaz. vol. 204; p. 1342.
- Paint. Texas Fire and Water Proof Paint Company. No. 100,912; Oct. 27; Gaz. vol. 207; p. 1246.
- Paint and oxid of zinc and flax-oil, Paste. G. Petit. No. 98,086; June 30; Gaz. vol. 203; p. 1553.
- Paint and varnish. Gebrüder Mayer. No. 96,316; Apr. 14; Gaz. vol. 201; p. 566.
- Paint and varnish. A. Prée. No. 95,782; Mar. 10; Gaz. vol. 200; p. 578.
- Paint and varnish cleanser and polish. F. W. Boyer. No. 100,195; Oct. 13; Gaz. vol. 207; p. 605.
- Paint and varnish cleanser and varnish-restorer. H. Bruaw. No. 95,738; Mar. 10; Gaz. vol. 200; p. 577.
- Paint and varnish removers. Standard Varnish Works. No. 95,360; Feb. 10; Gaz. vol. 199; p. 613.
- Paint and wall-coating base. Alabastine Company. No. 97,306; June 2; Gaz. vol. 203; p. 297.
- Paint, Calcimine or water-. M. E. Fox & Co. No. 96,265; Apr. 14; Gaz. vol. 201; p. 564.
- Paint, Carbon-. The William Cail Bitmo Company. No. 96,559; Apr. 21; Gaz. vol. 201; p. 900.
- Paint, Cold-water. E. H. Fleming. No. 100,970; Nov. 3; Gaz. vol. 208; p. 334.
- Paint, Dry. American Cement Paint Co. No. 99,268; Aug. 25; Gaz. vol. 205; p. 1317.
- Paint, Enamel. Ernecke & Salmstein Company. No. 101,570; Dec. 29; Gaz. vol. 209; p. 1687.
- Paint, Enamel. Hemingway & Company. No. 100,820; Oct. 27; Gaz. vol. 207; p. 1243.
- Paint for interior decorating. The Tropical Oil Co. No. 98,214; July 7; Gaz. vol. 204; p. 312.
- Paint for leaks. The Tropical Oil Co. No. 98,217; July 7; Gaz. vol. 204; p. 312.
- Paint for tin roofs and metal work. The Estate of J. G. Hetzel. No. 97,328; June 2; Gaz. vol. 203; p. 297.
- Paint for waterproofing canvas duck. H. C. Bigham. No. 100,756; Oct. 27; Gaz. vol. 207; p. 1241.
- Paint, Inside flat oil-. The Tropical Oil Co. No. 98,216; July 7; Gaz. vol. 204; p. 312.
- Paint, Liquid wall-. Dozier & Gay Paint Company. No. 98,490; July 21; Gaz. vol. 204; p. 1006.
- Paint-paste. Thos. Cusack Company. No. 99,437; Sept. 1; Gaz. vol. 206; p. 307.
- Paint, Ready-mixed. The Fair. No. 99,962; Sept. 29; Gaz. vol. 206; p. 1432.
- Paint, Ready-mixed. The A. Wilhelm Company. No. 96,558; Apr. 21; Gaz. vol. 201; p. 900.
- Paint removers and cleaners and front-end paint for engines. The Sanitation & Supply Co. No. 98,200; July 7; Gaz. vol. 204; p. 311.
- Paint used on concrete, plaster, brick, or stone. The Tropical Oil Co. No. 98,215; July 7; Gaz. vol. 204; p. 312.
- Paint, Water-. M. E. Fox & Co. No. 94,898; Jan. 13; Gaz. vol. 198; p. 490.
- Paint, White enamel. The O'Brien Varnish Co. No. 98,078; June 30; Gaz. vol. 203; p. 1553.
- Paints. American Chemical & Manufacturing Company. No. 100,073; Oct. 6; Gaz. vol. 207; p. 293.
- Paints. Louisville Paint Mfg. Co. No. 95,639; Mar. 3; Gaz. vol. 200; p. 274.
- Paints. Parian Paint Company. No. 96,601; Apr. 21; Gaz. vol. 201; p. 901.
- Paints and painters' materials, Certain named. Gerstendorfer Bros. No. 101,573; Dec. 29; Gaz. vol. 209; p. 1687.
- Paints and varnishes. The Globe Manufacturing Co. No. 97,236; May 26; Gaz. vol. 202; p. 1254.
- Paints and varnishes. Wadsworth, Howland & Co. No. 95,690; Mar. 3; Gaz. vol. 200; p. 276.
- Paints and varnishes, Mixed. Imperial Rubber Co. No. 99,986; Sept. 29; Gaz. vol. 206; p. 1432.
- Paints and water-colors, Artists'. Tower Manufacturing & Novelty Co. No. 96,920; May 5; Gaz. vol. 202; p. 313.
- Paints, Asphalt. Warren Chemical & Manufacturing Company. Nos. 95,580-1; Feb. 24; Gaz. vol. 199; p. 1241.
- Paints, Bituminous. C. M. Allaire. No. 98,914; Aug. 11; Gaz. vol. 205; p. 655.
- Paints, Ceramic. F. L. Sleeper. No. 101,539; Dec. 22; Gaz. vol. 209; p. 1314.
- Paints, Chemical dry, paste, and ready-mixed. The General Fireproofing Co. No. 101,282; Nov. 24; Gaz. vol. 208; p. 1351.
- Paints, enamels, and varnishes, Ready-mixed. John Line & Sons. Nos. 99,477-8; Sept. 1; Gaz. vol. 206; p. 309.
- Paints, enamels, stains, &c. The Patterson-Sargent Company. No. 100,024; Sept. 29; Gaz. vol. 206; p. 1433.
- Paints, enamels, stains, and varnishes. The Patterson-Sargent Company. No. 96,331; Apr. 14; Gaz. vol. 201; p. 566.
- Paints, enamels, stains, lacs, &c. The Patterson-Sargent Company. No. 98,191; July 7; Gaz. vol. 204; p. 311.
- Paints, enamels, stains, powders, &c. De Soto Paint Mfg. Co. No. 95,069; Feb. 3; Gaz. vol. 199; p. 298.
- Paints for metal surfaces. The National Paint & Varnish Company. No. 98,184; July 7; Gaz. vol. 204; p. 311.
- Paints for ships' bottoms. American Veneziani Company. No. 94,850; Jan. 13; Gaz. vol. 198; p. 489.
- Paints for ships' bottoms. American Veneziani Company. No. 99,134; Aug. 18; Gaz. vol. 205; p. 1017.
- Paints, Gold. L. Hemmerdinger & Co. No. 96,674; Apr. 28; Gaz. vol. 201; p. 1214.

Alphabetical list of trade-marks—Continued.

- Paints, Gold. L. Hemmerdinger. No. 98,873; Aug. 4; Gaz. vol. 205; p. 301.
- Paints, Iron oxids, varnishes, driers, and paint-oils. Hammond, Boynton Paint & Chemical Co. No. 96,010; Mar. 31; Gaz. vol. 200; p. 1386.
- Paints, japans, varnishes, and calcimine. J. H. Hamlin. No. 97,240; May 26; Gaz. vol. 202; p. 1254.
- Paints, Metal. Guarantee Paint Mfg. Co. No. 97,138; May 19; Gaz. vol. 202; p. 948.
- Paints, Mixed. Chas. R. Long, Jr., Co. No. 97,064; May 19; Gaz. vol. 202; p. 946.
- Paints, Mixed and prepared. A. E. Payne & Co. No. 95,467; Feb. 17; Gaz. vol. 199; p. 935.
- Paints, Oil-. W. M. Harris. No. 98,869; Aug. 4; Gaz. vol. 205; p. 301.
- Paints, Ready-mixed. O. Reeder & Son. No. 95,473; Feb. 17; Gaz. vol. 199; p. 935.
- Paints, Ready-mixed. Standard American Home Supply Company. No. 95,795; Mar. 10; Gaz. vol. 200; p. 579.
- Paints, Ready-mixed. Whittier Coburn Company. No. 95,185; Feb. 3; Gaz. vol. 199; p. 301.
- Paints, Ready-mixed and liquid. Wayne Paint Co. No. 100,929; Oct. 27; Gaz. vol. 207; p. 1246.
- Paints, stains, and varnishes, Ready-mixed. Kentucky Paint Manufacturing Company. No. 97,862; June 23; Gaz. vol. 203; p. 1256.
- Paints, stains, varnishes, &c. The Bridgeport Wood Finishing Company. Nos. 100,759-60; Oct. 27; Gaz. vol. 207; p. 1241.
- Paints, varnishes, and lacquers. Maatschappij Vereenigde Van der Burg's Japanlak Fabrieken (United Van der Burg's Japanlac and Varnish Works). No. 99,327; Aug. 25; Gaz. vol. 205; p. 1319.
- Paints, varnishes, and lacquers. Maatschappij Vereenigde Van der Burg's Japanlak Fabrieken, (United Vanderburg's Japanlac and Varnish Works.) No. 99,999; Sept. 29; Gaz. vol. 206; p. 1433.
- Paints, varnishes, stains, &c. The R. M. Hollingshead Co. No. 99,310; Aug. 25; Gaz. vol. 205; p. 1318.
- Pamphlets. The Hinde & Dauch Paper Co. No. 96,294; Apr. 14; Gaz. vol. 201; p. 565.
- Paper. The Munroe Felt & Paper Company. No. 95,337; Feb. 10; Gaz. vol. 199; p. 612.
- Paper and cards. Boston Index Card Company. No. 98,039; June 30; Gaz. vol. 203; p. 1552.
- Paper and cloth and certain named drawing materials. Blue-print. New York Blue Print Paper Co. No. 98,886; Aug. 4; Gaz. vol. 205; p. 301.
- Paper and envelopes, Writing-. Kansas City Paper House. No. 100,341; Oct. 20; Gaz. vol. 207; p. 922.
- Paper and envelopes, Writing-. National Papeterie Company. No. 101,107; Nov. 10; Gaz. vol. 208; p. 653.
- Paper and envelopes, Writing and printing. Bradner Smith & Co. Nos. 96,356-8; Apr. 14; Gaz. vol. 201; p. 567.
- Paper and envelopes, Writing and printing. Bradner Smith & Co. No. 96,610; Apr. 21; Gaz. vol. 201; p. 901.
- Paper and envelopes, Writing and printing. Bradner Smith & Co. No. 99,910; Sept. 22; Gaz. vol. 206; p. 1159.
- Paper and stationery supplies. Geo. Borgfeldt & Co. No. 98,038; June 30; Gaz. vol. 203; p. 1552.
- Paper and stationery supplies, Certain named. G. Borgfeldt & Co. No. 100,194; Oct. 13; Gaz. vol. 207; p. 605.
- Paper and stationery supplies, Certain named. The Gem Supplies Co. No. 99,876; Sept. 22; Gaz. vol. 206; p. 1158.
- Paper and tablets, &c., Certain. J. C. Blair Company. No. 101,359; Dec. 8; Gaz. vol. 209; p. 679.
- Paper, Autographic-register. Autographic Register Company. No. 99,933; Sept. 29; Gaz. vol. 206; p. 1431.
- Paper bags. Schorsch & Co. Nos. 97,561-4; June 9; Gaz. vol. 203; p. 598.
- Paper bags and boxes. H. R. Hansen. No. 96,803; May 5; Gaz. vol. 202; p. 310.
- Paper, blank books, printed forms, and stationery. The Jones Agency Company. No. 95,634; Mar. 3; Gaz. vol. 200; p. 274.
- Paper, Blotting-. Standard Paper Mfg. Co. No. 98,328; July 7; Gaz. vol. 204; p. 315.
- Paper, Bond writing-. The Chatfield & Woods Company. No. 99,693; Sept. 15; Gaz. vol. 206; p. 869.
- Paper boxes. Tywacana Manufacturing Company. No. 95,577; Feb. 24; Gaz. vol. 199; p. 1241.
- Paper boxes. York-Bradford Co. No. 100,687; Oct. 20; Gaz. vol. 207; p. 932.
- Paper caps for bottles, jars, &c. The Pa Pro Company. No. 97,437; June 2; Gaz. vol. 203; p. 301.
- Paper, Carbon-. Utica Carbon & Wax Paper Co. No. 96,615; Apr. 21; Gaz. vol. 201; p. 901.
- Paper cartons. Chicago Folding Box Company. No. 95,521; Feb. 24; Gaz. vol. 199; p. 1239.
- Paper, certain named blank cards, and paper and card-board initials, Note-. W. N. Sharpe, Limited. No. 96,353; Apr. 14; Gaz. vol. 201; p. 567.
- Paper, Cigarette-. A. A. Kohary. No. 96,517; Apr. 21; Gaz. vol. 201; p. 899.
- Paper, Cover-. O. M. Steinman, Inc. No. 98,586; July 21; Gaz. vol. 204; p. 1009.
- Paper, Cover, bond, writing, and printing. The Central Ohio Paper Co. No. 98,750; Aug. 4; Gaz. vol. 205; p. 297.
- Paper, Cover, bond, writing, and printing. The Central Ohio Paper Company. No. 99,425; Sept. 1; Gaz. vol. 206; p. 307.
- Paper drinking-cups. Public Service Co. No. 95,011; Jan. 20; Gaz. vol. 198; p. 700.
- Paper, envelopes, and tablets. Marcus Ward Company. No. 97,299; May 26; Gaz. vol. 202; p. 1256.
- Paper, envelopes, tablets, and blank books. J. C. Blair Company. No. 97,207; May 26; Gaz. vol. 202; p. 1253.
- Paper, Flat writing-. B. D. Rising Paper Company. No. 96,995; May 12; Gaz. vol. 202; p. 629.
- Paper for drying, cleaning, polishing, and dusting. Paper Sales Company. No. 98,081; June 30; Gaz. vol. 203; p. 1553.
- Paper for printing purposes. The Taylor-Burt Co. No. 98,832; Aug. 4; Gaz. vol. 205; p. 300.
- Paper, Gummed. Nashua Card Gummed & Coated Paper Company. No. 101,105; Nov. 10; Gaz. vol. 208; p. 653.
- Paper ice-blankets, baking-pan liners, and dish-cloths. Help Saver Co. No. 96,586; Apr. 21; Gaz. vol. 201; p. 901.
- Paper, Ledger-leaf. The Richmond & Backus Co. No. 97,891; June 23; Gaz. vol. 203; p. 1257.
- Paper linings for wooden cases. Lindsay Brothers. No. 95,124; Feb. 3; Gaz. vol. 199; p. 299.
- Paper, Monthly. E. G. Siggers. No. 100,168; Oct. 6; Gaz. vol. 207; p. 296.
- Paper or fiber cartons, boxes, or containers. Rochester Carrier Co. No. 99,499; Sept. 1; Gaz. vol. 206; p. 309.
- Paper, paper towels and napkins, Toilet-. Adirondack Tissue Paper Co. No. 95,696; Mar. 3; Gaz. vol. 200; p. 276.
- Paper, paper towels, napkins, and table-cloths, Toilet-. Richards-Glover Company. No. 98,815; Aug. 4; Gaz. vol. 205; p. 299.
- Paper, Positive black print-. A. Bertsch. No. 99,273; Aug. 25; Gaz. vol. 205; p. 1317.
- Paper, Printer's and box-covering. C. Beck Company. No. 101,441; Dec. 15; Gaz. vol. 209; p. 1049.
- Paper, Printing and writing. Graham Paper Company. No. 98,768; Aug. 4; Gaz. vol. 205; p. 298.
- Paper, Special wrapping-. The T. C. Traver Paper Co. No. 97,511; June 9; Gaz. vol. 203; p. 596.
- Paper strips, Gummed. National Binding Machine Company. No. 101,106; Nov. 10; Gaz. vol. 208; p. 653.
- Paper, tablets, and envelopes, Wrapping, toilet, &c. John Blaul's Sons Co. No. 101,090; Nov. 10; Gaz. vol. 208; p. 653.
- Paper, Toilet-. Adirondack Tissue Paper Co. No. 96,924; May 12; Gaz. vol. 202; p. 627.
- Paper, Toilet-. Albany Perforated Wrapping Paper Company. Nos. 101,259-60; Nov. 24; Gaz. vol. 208; p. 1351.
- Paper, Toilet-. The Imperial Merchandise Co. No. 95,913; Mar. 24; Gaz. vol. 200; p. 1110.
- Paper, Toilet-. The John Hoberg Company. Nos. 100,205-12; Oct. 13; Gaz. vol. 207; p. 605.
- Paper, Toilet-. The John Hoberg Company. No. 101,447; Dec. 15; Gaz. vol. 209; p. 1049.
- Paper, Toilet-. Mt. Holyoke Tissue Mills. No. 100,014; Sept. 29; Gaz. vol. 206; p. 1433.
- Paper, Toilet-. Paper Sales Company. No. 100,023; Sept. 29; Gaz. vol. 206; p. 1433.
- Paper, Toilet-. Paper Sales Company. No. 100,222; Oct. 13; Gaz. vol. 207; p. 606.
- Paper, Toilet-. Sauquoit Toilet Paper Co. No. 94,834; Jan. 6; Gaz. vol. 198; p. 236.
- Paper, Toilet-. Sauquoit Toilet Paper Co. Nos. 95,153-5; Feb. 3; Gaz. vol. 199; p. 300.
- Paper, Toilet-. Sauquoit Toilet Paper Co. No. 96,348; Apr. 14; Gaz. vol. 201; p. 567.
- Paper, Toilet-. Sauquoit Toilet Paper Co. Nos. 98,091-7; June 30; Gaz. vol. 203; p. 1553.
- Paper, Toilet-. Scott Paper Co. No. 97,002; May 12; Gaz. vol. 202; p. 629.
- Paper, Toilet-. A. D. Seelye Medical Co. No. 97,003; May 12; Gaz. vol. 202; p. 629.
- Paper, Toilet-. Standard Paper Company. No. 99,068; Aug. 11; Gaz. vol. 205; p. 659.
- Paper, Toilet-. Wortendyke Manufacturing Company. No. 96,617; Apr. 21; Gaz. vol. 201; p. 901.
- Paper towels and toilet-paper. Northern Paper Mills. No. 97,497; June 9; Gaz. vol. 203; p. 596.
- Paper towels, diapers, and napkins. Aaron Peters Laboratories. No. 98,371; July 7; Gaz. vol. 204; p. 315.
- Paper wall-covering. The Schmitz-Horning Co. No. 100,631; Oct. 20; Gaz. vol. 207; p. 930.
- Paper wrappers for food products. Nashua Card Gummed & Coated Paper Company. No. 100,219; Oct. 13; Gaz. vol. 207; p. 605.
- Paper, Wrapping-. Minneapolis Paper Company. No. 100,008; Sept. 29; Gaz. vol. 206; p. 1433.
- Paper, Wrapping-. Rosenthal Paper and Stationery Company. No. 95,150; Feb. 3; Gaz. vol. 199; p. 300.
- Paper, Wrapping and toilet. United Drug Company. No. 101,550; Dec. 22; Gaz. vol. 209; p. 1314.

Alphabetical list of trade-marks—Continued.

- Paper, Writing-. W. H. Beaver. No. 97,671; June 16; Gaz. vol. 203; p. 921.
- Paper, Writing-. Chapin & Gould Paper Company. No. 95,062; Feb. 3; Gaz. vol. 199; p. 297.
- Paper, Writing-. Crane & Co. Nos. 97,395-401; June 2; Gaz. vol. 203; pp. 299-300.
- Paper, Writing-. McClellan Paper Company. No. 100,581; Oct. 20; Gaz. vol. 207; p. 929.
- Paper, Writing-. Peyton Paper Company. No. 99,061; Aug. 11; Gaz. vol. 205; p. 659.
- Paper, Writing-. The Stenotype Co. No. 97,734; June 16; Gaz. vol. 203; p. 923.
- Paper, Writing and bond. The Paper Makers Co. No. 98,080; June 30; Gaz. vol. 203; p. 1553.
- Paper, Writing and book. Everett Pulp and Paper Co. No. 97,831; June 23; Gaz. vol. 203; p. 1256.
- Paper, Writing and ledger. The Paper Makers Co. No. 101,317; Nov. 24; Gaz. vol. 208; p. 1352.
- Paper, Writing and printing. J. P. Hellbronn. No. 98,281; July 7; Gaz. vol. 204; p. 314.
- Paper, Writing and printing. E. W. Scarborough Co. Nos. 100,430-1; Oct. 20; Gaz. vol. 207; p. 925.
- Paper, Writing and wrapping. Charles Drury Jacobs, Inc. No. 101,100; Nov. 10; Gaz. vol. 208; p. 653.
- Paper, Writing, printing, and cover. Hampden Glazed Paper and Card Company. No. 100,323; Oct. 20; Gaz. vol. 207; p. 921.
- Papers, Bond, ledger, and type-writer. L. L. Brown Paper Company. No. 97,465; June 9; Gaz. vol. 203; p. 595.
- Papers, envelops, blank cards, rubber erasers, &c., Certain. The Stenography and Reporting Company. No. 96,362; Apr. 14; Gaz. vol. 201; p. 567.
- Papers, felts, &c., for roofing, sheathing, &c. Barrett Manufacturing Company. No. 101,657; Dec. 8; Gaz. vol. 209; p. 679.
- Papers, Printing and writing. Parsons Paper Co. No. 99,778; Sept. 15; Gaz. vol. 206; p. 872.
- Papers, Toilet-. Phoenix Toilet and Paper Manufacturing Company. No. 99,779; Sept. 15; Gaz. vol. 206; p. 872.
- Papers, Toilet-. Phoenix Toilet and Paper Manufacturing Company. Nos. 100,404-5; Oct. 20; Gaz. vol. 207; p. 924.
- Papers, Writing and bond. The Paper Makers Co. No. 99,493; Sept. 1; Gaz. vol. 206; p. 309.
- Parasols and umbrellas. Miller Bros. & Co. No. 95,004; Jan. 20; Gaz. vol. 198; p. 700.
- Parting compound. L. K. Brown. No. 97,817; June 23; Gaz. vol. 203; p. 1255.
- Paste, glue, and cement. American Cement Company. No. 95,860; Mar. 24; Gaz. vol. 200; p. 1109.
- Paste, Millinery-. E. J. Reilly. No. 98,814; Aug. 4; Gaz. vol. 205; p. 299.
- Pastes and powders for toilet purposes, sea-salt, and baking-powder. Regents Mercantile Corporation. No. 101,593; Dec. 29; Gaz. vol. 209; p. 1688.
- Pastes, powders, and perfumery. Gallet, Pellerin et Cie. No. 96,880; May 5; Gaz. vol. 202; p. 312.
- Pastes, Tooth-. Waldheimer, Parfümerie- und Toiletten-seifen-Fabrik, A. H. A. Bergmann. No. 96,759; Apr. 28; Gaz. vol. 201; p. 1217.
- Pastils for use in asthma, catarrh, coughs, &c. G. H. Proctor. No. 100,153; Oct. 6; Gaz. vol. 207; p. 295.
- Pastry, Special Turkish. C. Sarantides. No. 100,161; Oct. 6; Gaz. vol. 207; p. 295.
- Pavements and roads and material for same. Unionite Co. No. 100,652; Oct. 20; Gaz. vol. 207; p. 931.
- Peanut-butter and peanut products. Old Dominion Peanut Corporation. No. 97,999; June 30; Gaz. vol. 203; p. 1551.
- Peanut-butter, spices, coffee, tea, &c. The Royal Tea Company. No. 99,245; Aug. 25; Gaz. vol. 205; p. 1316.
- Peanuts. T. S. Wheatcroft. No. 96,477; Apr. 21; Gaz. vol. 201; p. 897.
- Peanuts and almonds, pistachio-nuts, &c., Salted. Curnes and Hood Confectionery Co. No. 99,706; Sept. 15; Gaz. vol. 206; p. 870.
- Peanuts, peanut butter and candy, and salted peanuts. M. Williams. No. 100,190; Oct. 6; Gaz. vol. 207; p. 296.
- Peanuts, Salted. Old Dominion Peanut Corporation. No. 97,168; May 19; Gaz. vol. 202; p. 949.
- Peanuts, Salted. Superior Peanut Company. No. 95,680; Mar. 3; Gaz. vol. 200; p. 275.
- Peanuts, Salted. Superior Peanut Company. No. 100,647; Oct. 20; Gaz. vol. 207; p. 931.
- Pearls, Imitation. Jordan Marsh Company. No. 96,700; Apr. 28; Gaz. vol. 201; p. 1215.
- Pecan-nuts. Paper Shell Pecan Growers Association. No. 100,723; Oct. 20; Gaz. vol. 207; p. 923.
- Pedals. The Standard Company. No. 97,084; May 19; Gaz. vol. 202; p. 946.
- Pencil-sharpeners. Searight Manufacturing Co. No. 97,729; June 16; Gaz. vol. 203; p. 923.
- Pencils. Aktieselskabet H. E. Gosch & Co.'s Tændstik-fabriker og Aktietændstikfabriken Godthaab. Nos. 97,798-9; June 23; Gaz. vol. 203; p. 1255.
- Pencils. Eagle Pencil Company. No. 98,939; Aug. 11; Gaz. vol. 205; p. 655.
- Pencils. Eagle Pencil Company. Nos. 98,941-2; Aug. 11; Gaz. vol. 205; p. 655.
- Pencils and pencil-holders, Lead-. Eagle Pencil Company. No. 94,806; Jan. 6; Gaz. vol. 198; p. 235.
- Pencils, chalk crayons, &c., Lead-. E. Faber. No. 97,470; June 9; Gaz. vol. 203; p. 595.
- Pencils, crayons, holders, clips, and erasers. E. Faber. No. 100,532; Oct. 20; Gaz. vol. 207; p. 928.
- Pencils, erasers, rubber bands, &c. A. W. Faber. No. 95,531; Feb. 24; Gaz. vol. 199; p. 1239.
- Pencils, Lead-. R. Best. No. 98,036; June 30; Gaz. vol. 203; p. 1552.
- Pencils, Lead-. Eagle Pencil Company. No. 99,446; Sept. 1; Gaz. vol. 206; p. 308.
- Pencils, Lead, automatic, ink, and screw. F. Weber. No. 98,344; July 7; Gaz. vol. 204; p. 316.
- Pencils, lead-pencil holders, penholders, &c., Lead and colored. J. Grasser. No. 98,949; Aug. 11; Gaz. vol. 205; p. 656.
- Pencils, penholders, fountain-penholders, and gold tooth-picks. Gold, silver, and plated. E. D. Hicks. No. 95,828; Mar. 17; Gaz. vol. 200; p. 853.
- Pencils, rubber erasers, and penholders. A. W. Faber. No. 98,050; June 30; Gaz. vol. 203; p. 1552.
- Pencils, rubber erasers, and penholders. A. W. Faber. No. 100,302; Oct. 20; Gaz. vol. 207; p. 921.
- Pencils, tracing paper and cloth, Lead-. L. & C. Hardtmuth. No. 101,097; Nov. 10; Gaz. vol. 208; p. 653.
- Penholders. E. H. Emery. No. 95,823; Mar. 17; Gaz. vol. 200; p. 853.
- Pens and parts, Fountain-. Gem Fountain Pen Corporation. No. 99,727; Sept. 15; Gaz. vol. 206; p. 878.
- Pens and the parts thereof, Fountain-. Gem Fountain Pen Corporation. No. 99,875; Sept. 22; Gaz. vol. 206; p. 1158.
- Pens, Fountain-. W. F. Duryea. No. 100,298; Oct. 20; Gaz. vol. 207; p. 921.
- Pens, Fountain-. Eagle Pencil Company. No. 98,940; Aug. 11; Gaz. vol. 205; p. 655.
- Pens, Fountain-. A. Gumbinner. No. 97,842; June 23; Gaz. vol. 203; p. 1256.
- Pens, Fountain-. William Mitchell (Pens) Limited. No. 96,979; May 12; Gaz. vol. 202; p. 628.
- Pens, Fountain-. J. L. Schnell. No. 96,999; May 12; Gaz. vol. 202; p. 629.
- Pens, Steel. The Esterbrook Steel Pen Mfg. Co. No. 100,530; Oct. 20; Gaz. vol. 207; p. 928.
- Pens, Steel. J. Gillott & Sons. Nos. 96,663-6; Apr. 28; Gaz. vol. 201; p. 1214.
- Pens, Steel. G. W. Hughes. No. 99,050; Aug. 11; Gaz. vol. 205; p. 659.
- Pens, Steel and metallic. William Mitchell (Pens) Limited. No. 96,980; May 12; Gaz. vol. 202; p. 628.
- Pennants, Felt. The Reproduction Co. No. 95,666; Mar. 3; Gaz. vol. 200; p. 275.
- Perfume, bay-rum, and hair-tonic. James S. Kirk & Company. No. 97,704; June 16; Gaz. vol. 203; p. 922.
- Perfume, toilet water, face cream and powder, &c. Richard Hudnut. No. 95,430; Feb. 17; Gaz. vol. 199; p. 934.
- Perfume, toilet water, powders, and cold-cream. The Arthur Chemical Co. No. 100,480; Oct. 20; Gaz. vol. 207; p. 926.
- Perfume, toilet water, skin-creams, &c. Richard Hudnut. No. 99,884; Sept. 22; Gaz. vol. 206; p. 1158.
- Perfume, toilet waters, powders, and cold-cream. William H. Brown & Bro. Company. Nos. 95,982-3; Mar. 31; Gaz. vol. 200; p. 1385.
- Perfume, toilet waters, powders, and cold-cream. William H. Brown & Bro. Company. No. 96,098; Apr. 7; Gaz. vol. 201; p. 261.
- Perfumes. E. W. Austen. No. 99,137; Aug. 18; Gaz. vol. 205; p. 1017.
- Perfumes. J. M. Eaton. No. 101,275; Nov. 24; Gaz. vol. 208; p. 1351.
- Perfumes. F. Fritzsche & Co. No. 96,581; Apr. 21; Gaz. vol. 201; p. 900.
- Perfumes and sachet-powder. E. Moulié. No. 100,013; Sept. 29; Gaz. vol. 206; p. 1433.
- Perfumes and talcum powder. Williams, Martin & Gray. No. 95,277; Feb. 3; Gaz. vol. 199; p. 304.
- Perfumes, Dry sachet-. Richard Hudnut. No. 96,676; Apr. 28; Gaz. vol. 201; p. 1214.
- Perfumes, face-paints, and rouges. E. Wertheimer & Cie. Nos. 94,967-8; Jan. 13; Gaz. vol. 198; p. 492.
- Perfumes, face-paints, and rouges. E. Wertheimer & Cie. No. 96,557; Apr. 21; Gaz. vol. 201; p. 900.
- Perfumes, face-powders, and toilet waters. Frederick Stearns & Co. No. 100,443; Oct. 20; Gaz. vol. 207; p. 925.
- Perfumes, Liquid and powdered. Colgate & Co. No. 99,551; Sept. 8; Gaz. vol. 206; p. 583.
- Perfumes, toilet powders and creams. Melba Manufacturing Company. No. 100,371; Oct. 20; Gaz. vol. 207; p. 923.
- Perfumes, toilet waters, and powders. Katz & Besthoff. Nos. 98,161-3; July 7; Gaz. vol. 204; p. 310.
- Perfumes, toilet waters, and sachet, face, and talcum powders. Hedden & Eberhardt. No. 94,815; Jan. 6; Gaz. vol. 198; p. 235.

Alphabetical list of trade-marks—Continued.

- Perfumes, toilet waters, face and sachet powders, and rouges. Mandel Brothers. No. 96,697; Apr. 28; Gaz. vol. 201; p. 1215.
- Perfumes, toilet waters, talcum and sachet powders. C. B. Woodworth Sons Co. No. 97,193; May 19; Gaz. vol. 202; p. 950.
- Perfumery. George Lueders & Co. No. 100,365; Oct. 20; Gaz. vol. 207; p. 923.
- Perfumery. Mellier Company—Perfumer. No. 99,767; Sept. 15; Gaz. vol. 206; p. 871.
- Perfumery. Tokalon, Incorporated. Nos. 95,800-4; Mar. 10; Gaz. vol. 200; p. 579.
- Perfumery. Tokalon, Incorporated. No. 95,854; Mar. 17; Gaz. vol. 200; p. 854.
- Perfumery, &c. P. Beiersdorf & Co. No. 100,487; Oct. 20; Gaz. vol. 207; p. 926.
- Perfumery and face-tints. E. Wertheimer et Cie. No. 95,582; Feb. 24; Gaz. vol. 199; p. 1241.
- Perfumery and face-tints. E. Wertheimer & Cie. No. 100,670; Oct. 20; Gaz. vol. 207; p. 932.
- Perfumery extracts, toilet waters, and face, &c., powders. Katz & Besthoff. Nos. 97,482-3; June 9; Gaz. vol. 203; pp. 595-6.
- Perfumery, face and talcum powders. Peninsular Chemical Co. No. 99,400; Aug. 25; Gaz. vol. 205; p. 1321.
- Perfumery, toilet waters, and face-tints. E. Wertheimer et Cie. No. 100,669; Oct. 20; Gaz. vol. 207; p. 932.
- Perfumery, toilet waters and powders, &c. Morny Freres Limited. Nos. 99,484-5; Sept. 1; Gaz. vol. 206; p. 309.
- Periodical. The Curtis Publishing Company. Nos. 95,991-5; Mar. 31; Gaz. vol. 200; p. 1385.
- Periodical. International Harvester Company of America. No. 96,967; May 12; Gaz. vol. 202; p. 628.
- Periodical. J. Rapoport. No. 97,890; June 23; Gaz. vol. 203; p. 1257.
- Periodical, Biweekly. The American Art Works. No. 96,625; Apr. 28; Gaz. vol. 201; p. 1213.
- Periodical business publications. Kalamazoo Loose Leaf Binder Co. No. 97,481; June 9; Gaz. vol. 203; p. 595.
- Periodical magazine. The New Fiction Publishing Company. No. 97,496; June 9; Gaz. vol. 203; p. 596.
- Periodical, Monthly. The American Museum of Safety. No. 97,800; June 23; Gaz. vol. 203; p. 1255.
- Periodical, Monthly. Greeley Square Hotel Company. No. 97,417; June 2; Gaz. vol. 203; p. 300.
- Periodical, Monthly. B. Kornreich & Co. No. 101,265; Nov. 24; Gaz. vol. 208; p. 1351.
- Periodical, Monthly. Niagara Paper Mills. No. 99,773; Sept. 15; Gaz. vol. 206; p. 871.
- Periodical, Monthly. G. H. Storer. No. 96,731; Apr. 28; Gaz. vol. 201; p. 1216.
- Periodical, Monthly. Vickery and Hill Publishing Company. No. 99,262; Aug. 25; Gaz. vol. 205; p. 1317.
- Periodical, Quarterly. The Peerless Pattern Company. No. 100,150; Oct. 6; Gaz. vol. 207; p. 295.
- Periodical, Trade. The Vanity Fair Publishing Company. No. 99,821; Sept. 15; Gaz. vol. 206; p. 873.
- Periodical, Weekly. F. J. Brown. No. 97,464; June 9; Gaz. vol. 203; p. 595.
- Periodicals. American Optical Company. No. 96,627; Apr. 28; Gaz. vol. 201; p. 1213.
- Periodicals. Chautauqua Institution. No. 99,694; Sept. 15; Gaz. vol. 206; p. 869.
- Periodicals. The National Cash Register Company. No. 96,319; Apr. 14; Gaz. vol. 201; p. 566.
- Periodicals, Monthly. F. M. Lupton, Publisher, Incorporated. No. 97,869; June 23; Gaz. vol. 203; p. 1257.
- Periodicals, Monthly. Wilmer Atkinson Co. No. 98,738; Aug. 4; Gaz. vol. 205; p. 297.
- Periodicals, Weekly. Smart Shops Publishing Co. No. 101,225; Nov. 17; Gaz. vol. 208; p. 982.
- Perspiration-odor-destroying lotion. N. C. Crawford. No. 98,132; July 7; Gaz. vol. 204; p. 309.
- Petroleum engine-distillate. Standard Oil Company. No. 98,326; July 7; Gaz. vol. 204; p. 315.
- Petroleum for illuminating, heating, and power purposes, Refined. Standard Oil Company of New York. Nos. 99,365-6; Aug. 25; Gaz. vol. 205; p. 1320.
- Petroleum or kerosene oil. Tillmann & Bendel. No. 100,050; Sept. 29; Gaz. vol. 206; p. 1434.
- Petroleum, Refined. Standard Oil Company of New York. No. 95,171; Feb. 3; Gaz. vol. 199; p. 301.
- Petroleum, Refined. West India Oil Company. No. 100,933; Oct. 27; Gaz. vol. 207; p. 1246.
- Petroleum, vegetable and fish oils, mineral wax, &c. T. Suzuki. No. 101,600; Dec. 29; Gaz. vol. 209; p. 1688.
- Petticoats. M. Auspitz. No. 100,483; Oct. 20; Gaz. vol. 207; p. 926.
- Petticoats. L. L. Taft. No. 100,649; Oct. 20; Gaz. vol. 207; p. 931.
- Petticoats and undershirts. M. Cohn. No. 95,524; Feb. 24; Gaz. vol. 199; p. 1239.
- Petticoats, princess-slips, and ladies' underwear. Harris Bros. & Barnett. No. 98,658; July 28; Gaz. vol. 204; p. 1340.
- Petticoats, Silk and jersey. Weil-Kalter Mfg. Co. No. 95,026; Jan. 20; Gaz. vol. 198; p. 700.
- Pharmaceutical compound, Expectorant. John Wyeth & Brother. No. 94,845; Jan. 6; Gaz. vol. 198; p. 236.
- Pharmaceutical preparation. E. Burnham. No. 101,130; Nov. 17; Gaz. vol. 208; p. 979.
- Pharmaceutical preparation. L. H., et E. Darrasse et Cie. No. 95,404; Feb. 17; Gaz. vol. 199; p. 933.
- Pharmaceutical preparation. Ramsdell Drug Company. No. 101,204; Nov. 17; Gaz. vol. 208; p. 981.
- Pharmaceutical preparation. Yozo Co. No. 101,244; Nov. 17; Gaz. vol. 208; p. 982.
- Pharmaceutical preparation designed to overcome the smoking habit. L. Tucker. No. 97,735; June 16; Gaz. vol. 203; p. 923.
- Pharmaceutical preparation for the treatment of headaches and neuralgia. L. Patmos. No. 96,176; Apr. 7; Gaz. vol. 201; p. 263.
- Pharmaceutical preparation used in certain named ailments. T. E. Dockrell. No. 101,371; Dec. 8; Gaz. vol. 209; p. 679.
- Pharmaceutical preparations and medicines. Bel Zora Company. No. 101,125; Nov. 17; Gaz. vol. 208; p. 979.
- Pharmaceutical preparations and oils. McClinton's. No. 100,003; Sept. 29; Gaz. vol. 206; p. 1433.
- Pharmaceutical preparations and preparations for treating certain diseases. Michinova Chemical Company. No. 101,189; Nov. 17; Gaz. vol. 208; p. 981.
- Pharmaceutical preparations and remedies for certain ailments. Coronal Company. No. 101,478; Dec. 15; Gaz. vol. 209; p. 1050.
- Pharmaceutical preparations and remedies for certain ailments. Rumford Chemical Works. No. 101,215; Nov. 17; Gaz. vol. 208; p. 982.
- Pharmaceutical preparations and remedies for certain named diseases. Indiana Chemical Company. No. 99,593; Sept. 8; Gaz. vol. 206; p. 584.
- Pharmaceutical preparations and remedies for certain named diseases and ailments. The Haring Company. No. 97,140; May 19; Gaz. vol. 202; p. 948.
- Pharmaceutical preparations, Certain named. Harriet Hubbard Ayer. No. 98,739; Aug. 4; Gaz. vol. 205; p. 297.
- Pharmaceutical preparations, Certain named. H. H. Ayer. No. 99,681; Sept. 15; Gaz. vol. 206; p. 869.
- Pharmaceutical preparations, Certain named. Koken Barbers' Supply Co. No. 100,561; Oct. 20; Gaz. vol. 207; p. 928.
- Pharmaceutical preparations, Certain named. The Oxy pathor Co. No. 95,714; Mar. 3; Gaz. vol. 200; p. 276.
- Pharmaceutical preparations, Certain named. G. A. Quimby. No. 99,497; Sept. 1; Gaz. vol. 206; p. 309.
- Pharmaceutical preparations, Certain named. V. Royk6. No. 100,033; Sept. 29; Gaz. vol. 206; p. 1434.
- Pharmaceutical preparations, Certain named. E. Wertheimer et Cie. No. 100,463; Oct. 20; Gaz. vol. 207; p. 926.
- Pharmaceutical preparations, Certain named. C. I. Whitlock. No. 98,844; Aug. 4; Gaz. vol. 205; p. 300.
- Pharmaceutical preparations, Certain named. C. F. Young. No. 99,187; Aug. 18; Gaz. vol. 205; p. 1018.
- Pharmaceutical preparations for skin and women's diseases. Dr. L. Kaufmann. No. 97,979; June 30; Gaz. vol. 203; p. 1550.
- Pharmaceutical preparations for toilet purposes, Certain named. M. M. Willson. No. 101,024; Nov. 3; Gaz. vol. 208; p. 335.
- Pharmaceutical product. Society of Chemical Industry in Basle. No. 96,917; May 5; Gaz. vol. 202; p. 313.
- Pharmaceutical product, Certain. Society of Chemical Industry in Basle. No. 95,019; Jan. 20; Gaz. vol. 198; p. 700.
- Pharmaceutical product, Certain. Society of Chemical Industry in Basle. No. 97,007; May 12; Gaz. vol. 202; p. 629.
- Pharmaceutical product, Certain. Society of Chemical Industry in Basle. No. 98,204; July 7; Gaz. vol. 204; p. 311.
- Pharmaceutical product from digitalis-leaves. Society of Chemical Industry in Basle. No. 99,808; Sept. 15; Gaz. vol. 206; p. 872.
- Pharmaceutical product made of rice-bran. Society of Chemical Industry in Basle. No. 98,205; July 7; Gaz. vol. 204; p. 311.
- Pharmaceutical product prepared from the blood of animals or animal substance. Society of Chemical Industry in Basle. No. 99,809; Sept. 15; Gaz. vol. 206; p. 872.
- Phonograph-needles. R. Steinert. No. 95,489; Feb. 17; Gaz. vol. 199; p. 936.
- Photograph films, Living-. Messters-Projection G. m. b. H. No. 99,768; Sept. 15; Gaz. vol. 206; p. 871.
- Photographic cameras, &c. Seneca Camera Mfg. Co. No. 100,167; Oct. 6; Gaz. vol. 207; p. 296.
- Photographic chemicals. The Bayer Company. No. 97,670; June 16; Gaz. vol. 203; p. 921.
- Photographic developer. Eastman Kodak Company. No. 99,861; Sept. 22; Gaz. vol. 206; p. 1157.
- Photographic developer. Merck & Co. No. 101,188; Nov. 17; Gaz. vol. 208; p. 981.
- Photographic dry-plates. Defender Photo Supply Co. No. 97,685; June 16; Gaz. vol. 203; p. 921.
- Photographic dry-plates, safe lights, &c. Eastman Kodak Co. No. 98,493; July 21; Gaz. vol. 204; p. 1006.

Alphabetical list of trade-marks—Continued.

- Photographic film. Eastman Kodak Co. No. 101,373; Dec. 8; Gaz. vol. 209; p. 679.
- Photographic films and plates. G. W. Brady. No. 94,874; Jan. 13; Gaz. vol. 198; p. 489.
- Photographic lenses and shutters. Wollensak Optical Company. No. 99,375; Aug. 25; Gaz. vol. 205; p. 1320.
- Photographic media or sheets, Sensitized. Fiberloid Company. No. 94,896; Jan. 13; Gaz. vol. 198; p. 490.
- Photographic pictures, Paints for retouching and coloring. Chemische Fabrik auf Actien (vorm. E. Schering). No. 95,989; Mar. 31; Gaz. vol. 200; p. 1385.
- Photographic plates. Eastman Kodak Company. No. 95,079; Feb. 3; Gaz. vol. 199; p. 298.
- Photographic plates, &c., in daylight, Apparatus for developing. A. Lamblin. No. 98,667; July 28; Gaz. vol. 204; p. 1340.
- Photographic plates, sensitized papers, and films. Birmingham Photographic Co. No. 97,809; June 23; Gaz. vol. 203; p. 1255.
- Photographic-print-mounting solution. W. M. Mitchell. No. 97,875; June 23; Gaz. vol. 203; p. 1257.
- Photographic processes, Chemicals used in. Ansco Company. No. 98,457; July 21; Gaz. vol. 204; p. 1005.
- Photographic-shutter scales. Eastman Kodak Company. No. 98,136; July 7; Gaz. vol. 204; p. 309.
- Photographs. V. S. Bellino. No. 95,735; Mar. 10; Gaz. vol. 200; p. 577.
- Photographs, engravings, and heliogravures. Braun & Cie. No. 97,816; June 23; Gaz. vol. 203; p. 1255.
- Photogravures. American Rotogravure Company. No. 98,455; July 21; Gaz. vol. 204; p. 1005.
- Piano and auto polish. L. G. Smuckler. No. 96,916; May 5; Gaz. vol. 202; p. 313.
- Piano, furniture, &c., polishes, Liquid. Norwood Specialty Company. No. 95,009; Jan. 20; Gaz. vol. 198; p. 700.
- Piano-players and parts thereof and appurtenances therefor. Volotone Company. No. 101,436; Dec. 8; Gaz. vol. 209; p. 681.
- Piano-players and pianos. H. Kleber & Bro. No. 97,484; June 9; Gaz. vol. 203; p. 596.
- Piano-players, Pneumatic. The Otto Higel Co. No. 99,880; Sept. 22; Gaz. vol. 206; p. 1158.
- Pianos. Ernest Gabler & Bro. No. 94,901; Jan. 13; Gaz. vol. 198; p. 490.
- Pianos. Grinnell Bros. No. 97,418; June 2; Gaz. vol. 203; p. 300.
- Pianos. Grinnell Bros. No. 98,769; Aug. 4; Gaz. vol. 205; p. 298.
- Pianos. Mueller & Haines Player Piano Company. No. 101,406; Dec. 8; Gaz. vol. 209; p. 680.
- Pianos. I. S. Purcell. No. 99,064; Aug. 11; Gaz. vol. 205; p. 659.
- Pianos. Philip Werlein, Ltd. No. 95,503; Feb. 17; Gaz. vol. 199; p. 936.
- Pianos and orchestrions, Pneumatically-operated. American Photo Player Company. No. 96,629; Apr. 28; Gaz. vol. 201; p. 1213.
- Pianos and organs. Mason & Hamlin Co. No. 98,304; July 7; Gaz. vol. 204; p. 314.
- Pianos and other musical instruments, Certain named supplies used in making. Estate of C. F. Goepel. No. 99,721; Sept. 15; Gaz. vol. 206; p. 870.
- Pianos and piano-players. The Schubert Piano Co. No. 100,632; Oct. 20; Gaz. vol. 207; p. 931.
- Pianos and piano-players, Player. Melville Clark Piano Company. No. 100,196; Oct. 13; Gaz. vol. 207; p. 605.
- Pianos and player-pianos. W. P. Haines & Company. No. 94,813; Jan. 6; Gaz. vol. 198; p. 235.
- Pianos and player-pianos. Jesse French Piano & Organ Company. No. 101,095; Nov. 10; Gaz. vol. 208; p. 653.
- Pianos, Electric player-Operators' Piano Co. No. 99,901; Sept. 22; Gaz. vol. 206; p. 1159.
- Pianos, organs, and orchestrions, Self-playing. M. Welte & Sons. No. 99,826; Sept. 15; Gaz. vol. 206; p. 873.
- Pianos, piano-cases, and player-pianos. The Starr Piano Company. No. 96,612; Apr. 21; Gaz. vol. 201; p. 901.
- Pianos, piano-players, and actions therefor, Player. Auto Pneumatic Action Co. No. 98,462; July 21; Gaz. vol. 204; p. 1005.
- Pianos, Player. Henry F. Miller & Sons Piano Company. No. 99,114; Aug. 18; Gaz. vol. 205; p. 1016.
- Pianos, player-pianos, and piano-players. The Baldwin Company. No. 101,355; Dec. 8; Gaz. vol. 209; p. 679.
- Pianos, Self-playing. O. J. De Moll & Co. No. 95,304; Feb. 10; Gaz. vol. 199; p. 611.
- Pianofortes, piano-players, and automatic pianos. Barnett Samuel & Sons. No. 94,866; Jan. 13; Gaz. vol. 198; p. 489.
- Pickled food products, Certain named. Jefferson Pickle Company. No. 101,579; Dec. 29; Gaz. vol. 209; p. 1687.
- Pickles, condiments, and relishes, Vegetable. F. L. Ives. No. 95,915; Mar. 24; Gaz. vol. 200; p. 1110.
- Pickles, pork and beans, sauer-kraut, mustard, &c. Northern Pickle Co. No. 95,554; Feb. 24; Gaz. vol. 199; p. 1240.
- Picture and photo-play films, Motion-. World Special Films Corporation. No. 96,767; Apr. 28; Gaz. vol. 201; p. 1217.
- Picture films, Motion-. Liberty Motion Picture Company. No. 100,129; Oct. 6; Gaz. vol. 207; p. 294.
- Picture films, Motion-. Life-Photo Film Corporation. No. 99,014; Aug. 11; Gaz. vol. 205; p. 658.
- Picture films, Motion-. H. Payne. No. 97,555; June 9; Gaz. vol. 203; p. 598.
- Picture films, Moving-. Essanay Film Manufacturing Co. No. 99,293; Aug. 25; Gaz. vol. 205; p. 1318.
- Picture films, Moving-. Macnamara Feature Film Co. No. 96,694; Apr. 28; Gaz. vol. 201; p. 1215.
- Picture films, Moving-. Macnamara Feature Film Co. No. 97,154; May 19; Gaz. vol. 202; p. 948.
- Picture films, Moving-. Universal Film Manufacturing Company. No. 95,024; Jan. 20; Gaz. vol. 198; p. 700.
- Picture films, Moving-. Universal Film Manufacturing Company. No. 96,063; Mar. 31; Gaz. vol. 200; p. 1388.
- Picture films, Moving-. Universal Film Manufacturing Company. Nos. 98,593-4; July 21; Gaz. vol. 204; p. 1009.
- Picture films, Moving-. Warner's Features. Nos. 95,368-78; Feb. 10; Gaz. vol. 199; pp. 613-14.
- Picture films, Moving-. Warner's Features, Incorporated. No. 95,692; Mar. 3; Gaz. vol. 200; p. 276.
- Picture-frames and serving-trays, Plated. The Carlbert Mfg. Co. No. 101,248; Nov. 17; Gaz. vol. 208; p. 983.
- Picture machines and picture-films, Moving-. F. W. Hochstetter. Nos. 96,014-15; Mar. 31; Gaz. vol. 200; p. 1386.
- Picture negative and positive films, Moving-. Universal Film Manufacturing Co. Nos. 95,492-4; Feb. 17; Gaz. vol. 199; p. 936.
- Picture photo-plays, Motion-. American Rotograph Co. No. 97,198; May 26; Gaz. vol. 202; p. 1253.
- Picture-projection apparatus. Eastman Kodak Co. No. 100,200; Oct. 13; Gaz. vol. 207; p. 605.
- Picture-screens. I. Kitsee. No. 97,332; June 2; Gaz. vol. 203; p. 298.
- Pictures, Motion-. Klaw & Erlanger. No. 99,157; Aug. 18; Gaz. vol. 205; p. 1017.
- Pictures, prints, paintings, &c. J. G. Kitchell. Nos. 100,125-6; Oct. 6; Gaz. vol. 207; p. 294.
- Pictures, prints, paintings, &c. J. G. Kitchell. No. 101,178; Nov. 17; Gaz. vol. 208; p. 980.
- Pie filling, fruit preserves and jelly, and apple-butter, Mince. Best-Clymer Mfg. Co. No. 95,872; Mar. 24; Gaz. vol. 200; p. 1109.
- Piece goods. Courtaulds, Limited. No. 96,650; Apr. 28; Gaz. vol. 201; p. 1214.
- Piece goods. Maison Blanche Company. No. 101,126; Nov. 17; Gaz. vol. 208; p. 979.
- Piece goods, Certain named. Rogers & Thompson. Nos. 99,174-6; Aug. 18; Gaz. vol. 205; p. 1018.
- Piece goods, White. Pittsburgh Dry Goods Company. No. 95,558; Feb. 24; Gaz. vol. 199; p. 1240.
- Pill, Fat-digesting. Oefele Synthesis Co. No. 95,261; Feb. 3; Gaz. vol. 199; p. 303.
- Pills, Cathartic. J. C. Ayer Company. No. 94,976; Jan. 20; Gaz. vol. 198; p. 699.
- Pills, Cathartic. J. C. Ayer Co. No. 96,085; Apr. 7; Gaz. vol. 201; p. 261.
- Pills for the treatment of certain named diseases. A. S. Leverty. No. 97,491; June 9; Gaz. vol. 203; p. 596.
- Pills, Kidney-. Home Remedy Company. No. 101,464; Dec. 15; Gaz. vol. 209; p. 1049.
- Pills, Laxative. S. Marcus. No. 96,438; Apr. 21; Gaz. vol. 201; p. 896.
- Pills, Liver-. M. E. Robins. No. 95,563; Feb. 24; Gaz. vol. 199; p. 1240.
- Pills, Liver-. G. E. Thompson. No. 95,798; Mar. 10; Gaz. vol. 200; p. 579.
- Pills, tonic medicine, dyspepsia-tablets, &c., Laxative. C. K. Baer. No. 96,088; Apr. 7; Gaz. vol. 201; p. 261.
- Pillows. Fort Pitt Bedding Company. No. 97,762; June 16; Gaz. vol. 203; p. 924.
- Pillows, Feather. Chas. Emmerich & Co. No. 95,414; Feb. 17; Gaz. vol. 199; p. 934.
- Pineapple and grape juices. The J. K. Armsby Co. No. 101,121; Nov. 17; Gaz. vol. 208; p. 979.
- Pineapple, Canned. Hawaiian Pineapple Co. No. 99,736; Sept. 15; Gaz. vol. 206; p. 870.
- Pineapples. Buhl-Mills Company. No. 99,195; Aug. 25; Gaz. vol. 205; p. 1315.
- Pineapples, Canned and fresh. Griffith-Durney Co. No. 99,879; Sept. 22; Gaz. vol. 206; p. 1158.
- Pineapples, Fresh. Palo Seco Fruit Company. No. 96,455; Apr. 21; Gaz. vol. 201; p. 887.
- Pineapples, Fresh and canned. Griffith-Durney Co. No. 99,733; Sept. 15; Gaz. vol. 206; p. 870.
- Pins and needles, Toilet-. J. English & Son. No. 100,299; Oct. 20; Gaz. vol. 207; p. 921.
- Pins and needles, Toilet-. J. English & Son. No. 100,529; Oct. 20; Gaz. vol. 207; p. 927.
- Pins, hooks and eyes, thimbles, &c., Certain. William Prym Company. No. 95,148; Feb. 3; Gaz. vol. 199; p. 300.
- Pins, Safety-. American Pin Company. No. 96,080; Apr. 7; Gaz. vol. 201; p. 261.
- Pins, Safety-. Oakville Company. No. 99,619; Sept. 8; Gaz. vol. 206; p. 585.
- Pins, Safety-. The Seymour Metal Goods Company. No. 101,597; Dec. 29; Gaz. vol. 209; p. 1688.

- Pins, Toilet-. The American Pin Company. No. 101,555; Dec. 29; Gaz. vol. 209; p. 1687.
- Pins, Toilet-. C. Fernandez & Sons. No. 97,227; May 26; Gaz. vol. 202; p. 1254.
- Pins, Toilet-. J. Kelley. No. 100,558; Oct. 20; Gaz. vol. 207; p. 928.
- Pipe-fittings and metal valves. General Fire Extinguisher Company. No. 97,327; June 2; Gaz. vol. 203; p. 297.
- Pipe-threading machines and threading-dies. The Toledo Pipe Threading Machine Company. No. 96,550; Apr. 21; Gaz. vol. 201; p. 899.
- Pipes, cigar and cigarette holders, and parts thereof. G. Kaufmann. No. 98,059; June 30; Gaz. vol. 203; p. 1552.
- Pipes, pipe-cleaners, and cigarette-stems. A. J. Van Exem. No. 98,223; July 7; Gaz. vol. 204; p. 312.
- Pipes, Smoking-. Maier Pipe Company. No. 100,574; Oct. 20; Gaz. vol. 207; p. 929.
- Pipes, tubes, and casings. National Tube Company. No. 100,993; Nov. 3; Gaz. vol. 208; p. 334.
- Pipes, tubes, and casings, Metal. National Tube Company. No. 98,412; July 14; Gaz. vol. 204; p. 670.
- Pitchers, bottles, jugs, jars, and tankards. Covered glass. A. H. Frankel. No. 99,726; Sept. 15; Gaz. vol. 206; p. 870.
- Planchette devices. H. F. Fontanella. No. 95,902; Mar. 24; Gaz. vol. 200; p. 1110.
- Plans and specifications for houses and bungalows. G. Stickley. No. 99,511; Sept. 1; Gaz. vol. 206; p. 310.
- Plant food. W. Brueser. No. 98,359; July 14; Gaz. vol. 204; p. 669.
- Planters and parts thereof, Seed-. International Harvester Corporation. No. 96,021; Mar. 31; Gaz. vol. 200; p. 1386.
- Planters, Cotton-. S. R. White's Sons. No. 99,373; Aug. 25; Gaz. vol. 205; p. 1320.
- Plaster, solid wood, and commercial veneer, Imitation. The Philip Carey Manufacturing Co. No. 100,694; Oct. 20; Gaz. vol. 207; p. 932.
- Plasters, Porous. Bauer & Black. Nos. 96,089-90; Apr. 7; Gaz. vol. 201; p. 261.
- Plate, solder, and solder-flux. E. R. S. Brewster. No. 100,259; Oct. 20; Gaz. vol. 207; p. 919.
- Plated flat, hollow, and toilet ware. The Mount Vernon Company—Silversmiths. No. 98,960; Aug. 11; Gaz. vol. 205; p. 656.
- Plated, semiprecious, or precious-metal articles. Chapin & Hollister Company. No. 97,528; June 9; Gaz. vol. 203; p. 597.
- Pliers. Crescent Tool Co. No. 95,302; Feb. 10; Gaz. vol. 199; p. 611.
- Pliers. Smith & Hemenway Company. No. 96,359; Apr. 14; Gaz. vol. 201; p. 567.
- Pliers. Smith & Hemenway Co. No. 100,438; Oct. 20; Gaz. vol. 207; p. 925.
- Pliers and wrenches. Crescent Tool Co. No. 97,826; June 23; Gaz. vol. 203; p. 1255.
- Pliers, nippers, pincers, wrenches, and trowels. Wiebusch & Hilger. No. 99,671; Sept. 8; Gaz. vol. 206; p. 587.
- Plows. G. A. Kelly Plow Company. Nos. 95,545-6; Feb. 24; Gaz. vol. 199; p. 1240.
- Plows, Disk. La Crosse Plow Co. No. 96,891; May 5; Gaz. vol. 202; p. 312.
- Plows, moldboards, landsides, points, and plow-beams. C. Billups. Nos. 96,231-5; Apr. 14; Gaz. vol. 201; p. 563.
- Plows, moldboards, landsides, points, and plow-beams. C. Billups. Nos. 96,485-6; Apr. 21; Gaz. vol. 201; p. 898.
- Plows, moldboards, landsides, points, and plow-beams. C. Billups. No. 96,634; Apr. 28; Gaz. vol. 201; p. 1213.
- Plumbing and pipe-fitting joints, Compound to bind. Hally & Sullivan. No. 100,545; Oct. 20; Gaz. vol. 207; p. 928.
- Plumbing and steam-fitting supplies, Certain named. H. W. Johns-Manville Co. No. 99,594; Sept. 8; Gaz. vol. 206; p. 584.
- Plumbing supplies, Certain named. Sanitary Company of America. No. 95,480; Feb. 17; Gaz. vol. 199; p. 936.
- Plumbing supplies, Certain named. Union Brass & Metal Mfg. Co. No. 97,792; June 16; Gaz. vol. 203; p. 925.
- Plumes and feathers, Ostrich. E. Eisemann & Co. No. 95,821; Mar. 17; Gaz. vol. 200; p. 853.
- Plushes and velvets. Sidney Blumenthal & Company. No. 99,078; Aug. 18; Gaz. vol. 205; p. 1015.
- Plushes in the piece, Fancy. The Hind & Harrison Plush Co. Nos. 97,698-9; June 16; Gaz. vol. 203; p. 922.
- Plushes in the piece, Fancy. The Hind & Harrison Plush Co. Nos. 97,850-4; June 23; Gaz. vol. 203; p. 1256.
- Pneumonia, croup, &c., application. R. M. Leonard. No. 99,995; Sept. 29; Gaz. vol. 206; p. 1433.
- Poker-chips, dice, dominoes, checkers, &c. Tower Manufacturing & Novelty Co. No. 96,551; Apr. 21; Gaz. vol. 201; p. 899.
- Polish and cleaner for floors, furniture, &c. National Laboratories Co. No. 100,140; Oct. 6; Gaz. vol. 207; p. 295.
- Polish and cleaning preparation. W. Holland. No. 98,777; Aug. 4; Gaz. vol. 205; p. 298.
- Polish for enameled, painted, and varnished surfaces, Cleaning and polishing. Charles M. Hay Paint Co. No. 98,387; July 14; Gaz. vol. 204; p. 670.
- Polish for furniture, pianos, floors, and vehicles. Vi-Ne-Ro Co. No. 95,807; Mar. 10; Gaz. vol. 200; p. 579.
- Polish for glass and metals. The Reynolds Corporation. No. 100,411; Oct. 20; Gaz. vol. 207; p. 924.
- Polish for pianos, furniture, and automobiles. Fairy Manufacturing Co. No. 95,084; Feb. 3; Gaz. vol. 199; p. 298.
- Polishes for certain named materials. Green Seal Specialty Company. No. 99,878; Sept. 22; Gaz. vol. 206; p. 1158.
- Polishing-cloth. H. H. von Schlick. No. 98,837; Aug. 4; Gaz. vol. 205; p. 300.
- Polishing materials, crack-fillers, &c., Certain named. H. F. Staples & Company. No. 96,205; Apr. 7; Gaz. vol. 201; p. 264.
- Polishing substance. R. F. Johnston Paint Co. No. 95,435; Feb. 17; Gaz. vol. 199; p. 904.
- Pop, ginger-ale, and other like non-alcoholic beverages. M. F. Meek. No. 101,588; Dec. 29; Gaz. vol. 209; p. 1688.
- Popcorn. W. M. Hill. No. 96,416; Apr. 21; Gaz. vol. 201; p. 896.
- Popcorn. M. Voelker. No. 100,184; Oct. 6; Gaz. vol. 207; p. 296.
- Popcorn and candies. Loose-Wiles Biscuit Company. No. 94,918; Jan. 13; Gaz. vol. 198; p. 491.
- Popcorn and peanuts, pecans and coconut, &c., Candy-coated. S. C. Peckham. No. 96,177; Apr. 7; Gaz. vol. 201; p. 263.
- Popcorn, Candied. V. J. Gorly. No. 100,702; Oct. 20; Gaz. vol. 207; p. 933.
- Popcorn, Candied. F. W. Sherman. No. 100,895; Oct. 27; Gaz. vol. 207; p. 1245.
- Popcorn confection. H. W. Loveland. No. 96,975; May 12; Gaz. vol. 202; p. 628.
- Porcelain articles, Certain named. A. B. Leonard. No. 99,319; Aug. 25; Gaz. vol. 205; p. 1319.
- Porcelain, earthenware, and crockery. Porzellanfabrik Schönwald A. G. No. 100,407; Oct. 20; Gaz. vol. 207; p. 924.
- Porcelains. Porzellanfabrik Schönwald A. G. No. 98,417; July 14; Gaz. vol. 204; p. 671.
- Pots, kettles, spiders, and tea-kettles, Cast-iron. The Jacob J. Vollrath Mfg. Co. No. 95,181; Feb. 3; Gaz. vol. 199; p. 301.
- Pottery, earthenware, and earthenware and pottery vases. Ceramic Art Association. No. 95,889; Mar. 24; Gaz. vol. 200; p. 1110.
- Poultry for breeding. L. S. Bache. No. 100,191; Oct. 13; Gaz. vol. 207; p. 605.
- Poultry hatching and rearing apparatus. Standard Electric Incubator Co. No. 99,254; Aug. 25; Gaz. vol. 205; p. 1317.
- Poultry-tonic. J. H. Burdick. No. 100,496; Oct. 20; Gaz. vol. 207; p. 927.
- Poultry tonics and insecticides, &c. The S. R. Feil Company. No. 99,386; Aug. 25; Gaz. vol. 205; p. 1321.
- Powder, ammunition, shells, guns, &c., Sporting-. The William R. Burkhard Co. No. 99,278; Aug. 25; Gaz. vol. 205; p. 1317.
- Powder and a liquid medicinal preparation, Face-. Dermatine Manufacturing Company, a Partnership. No. 95,997; Mar. 31; Gaz. vol. 200; p. 1385.
- Powder and lotion and soaps, Shaving. The De Pree Chemical Company. No. 97,407; June 2; Gaz. vol. 203; p. 300.
- Powder and paste and certain named medicines, &c., Tooth. The Chasco Co. No. 96,103; Apr. 7; Gaz. vol. 201; p. 261.
- Powder and paste, Tooth. Dr. J. A. Walsh Co. No. 96,760; Apr. 28; Gaz. vol. 201; p. 1217.
- Powder and rouge, nail-powder, dentifrice, &c., Liquid face-. Van Antwerp's Drug Corporation. No. 97,189; May 19; Gaz. vol. 202; p. 950.
- Powder and tan-remover, Liquid face-. F. B. Shields. No. 97,368; June 2; Gaz. vol. 203; p. 299.
- Powder, Artificial-tooth. E. B. Keighley & Co. No. 99,156; Aug. 18; Gaz. vol. 205; p. 1017.
- Powder, cold-cream, and toilet preparations, Face-. B. Barna. No. 97,669; June 16; Gaz. vol. 203; p. 921.
- Powder, dynamite, and blasting-caps. Atlas Powder Company. No. 95,285; Feb. 10; Gaz. vol. 199; p. 611.
- Powder, Explosive. G. G. Gammill. No. 94,902; Jan. 13; Gaz. vol. 198; p. 490.
- Powder, Face-. E. Powers. No. 94,828; Jan. 6; Gaz. vol. 198; p. 236.
- Powder, Face-. C. Tetlow. No. 99,514; Sept. 1; Gaz. vol. 206; p. 310.
- Powder, Face and talcum. C. Tetlow. No. 99,515; Sept. 1; Gaz. vol. 206; p. 310.
- Powder, Foot-. Becker, Bock & Company. No. 97,939; June 30; Gaz. vol. 203; p. 1549.
- Powder, Foot-. J. B. Boyle. No. 101,128; Nov. 17; Gaz. vol. 208; p. 979.
- Powder, Foot-. The Burton Remedy Co. No. 95,243; Feb. 3; Gaz. vol. 199; p. 303.

Alphabetical list of trade-marks—Continued.

- Powder, Foot-. G. E. Curd. No. 98,043; June 30; Gaz. vol. 203; p. 1552.
- Powder, Foot-. F. Dedek. No. 100,775; Oct. 27; Gaz. vol. 207; p. 1242.
- Powder, Foot-. L. A. Gehrum. No. 99,970; Sept. 29; Gaz. vol. 206; p. 1432.
- Powder, Foot-. H. A. Myers. No. 97,777; June 16; Gaz. vol. 203; p. 924.
- Powder for perspiring and swollen feet. I. Sherman. No. 96,543; Apr. 21; Gaz. vol. 201; p. 899.
- Powder for venereal diseases, Antiseptic. D. Bruenn. No. 101,267; Nov. 24; Gaz. vol. 208; p. 1351.
- Powder, Gelatinous dessert-. Gowan-Lenning-Brown Co. No. 101,157; Nov. 17; Gaz. vol. 208; p. 980.
- Powder, Insect-. Allaire, Woodward & Co. No. 96,623; Apr. 28; Gaz. vol. 201; p. 1213.
- Powder intended to build up the human organs. E. Handl. No. 99,391; Aug. 25; Gaz. vol. 205; p. 1321.
- Powder or tablet, Medicated foot. Ped-Ami Co. No. 95,557; Feb. 24; Gaz. vol. 199; p. 1240.
- Powder, paste, and wash, and face-cream, Tooth. J. W. Robb. No. 99,788; Sept. 15; Gaz. vol. 206; p. 872.
- Powder, Polishing-. Frazier & Bachmann. No. 96,960; May 12; Gaz. vol. 202; p. 628.
- Powder, Smokeless rifle-. Hercules Powder Company. No. 99,306; Aug. 25; Gaz. vol. 205; p. 1318.
- Powder, Talcum. F. G. Burke. No. 100,497; Oct. 20; Gaz. vol. 207; p. 927.
- Powder, Talcum. Hall & Ruckel. No. 100,119; Oct. 6; Gaz. vol. 207; p. 294.
- Powder, Talcum, sachet, face, and bath. Lazell, Perfumer. No. 99,161; Aug. 18; Gaz. vol. 205; p. 1017.
- Powder, Toilet. J. J. Beyerle Mfg. Co. No. 98,122; July 7; Gaz. vol. 204; p. 309.
- Powder, Toilet. The Gordon-Thorne Co. No. 98,767; Aug. 4; Gaz. vol. 205; p. 298.
- Powder, Toilet. H. C. Paulsen & Son. No. 100,607; Oct. 20; Gaz. vol. 207; p. 930.
- Powder, Toilet. The J. B. Williams Company. No. 97,382; June 2; Gaz. vol. 203; p. 299.
- Powder, toilet water, and cold-cream, Talcum. James S. Kirk & Company. No. 98,062; June 30; Gaz. vol. 203; p. 1552.
- Powder, Tooth-. W. B. Force. No. 96,122; Apr. 7; Gaz. vol. 201; p. 262.
- Powder, Tooth-. W. Stones. No. 98,587; July 21; Gaz. vol. 204; p. 1009.
- Powders and perfumes, Toilet and face. T. W. S. Phillips. No. 101,006; Nov. 3; Gaz. vol. 208; p. 335.
- Powders and rouge, Complexion and rice. The J. A. Pozzoni Pharmacal Co. No. 99,401; Aug. 25; Gaz. vol. 205; p. 1321.
- Powders, Douche-. B. P. Thom. No. 98,988; Aug. 11; Gaz. vol. 205; p. 657.
- Powders, Face-. Frederick F. Ingram Co. No. 96,139; Apr. 7; Gaz. vol. 201; p. 262.
- Powders, Face-. Frederick F. Ingram Co. No. 97,771; June 16; Gaz. vol. 203; p. 924.
- Powders, Face, toilet, and talcum. J. Tetlow. No. 96,465; Apr. 21; Gaz. vol. 201; p. 897.
- Powders, Foot-. Jaynes Drug Co. No. 101,398; Dec. 8; Gaz. vol. 209; p. 680.
- Powders, Foot-. R. L. Marteau. No. 97,065; May 19; Gaz. vol. 202; p. 946.
- Powders, Foot-. G. A. Sipp Company. No. 98,578; July 21; Gaz. vol. 204; p. 1008.
- Powders for making soft drinks. Pharmacal Drug Company. No. 101,200; Nov. 17; Gaz. vol. 208; p. 981.
- Powders, Headache-. C. A. Walker. No. 99,408; Aug. 25; Gaz. vol. 205; p. 1321.
- Powders, lotions, and creams, hair restorers and dressings, Toilet. M. Biondy. No. 97,206; May 26; Gaz. vol. 202; p. 1253.
- Powders, Toilet. A. Bourjois & Co. No. 99,940; Sept. 29; Gaz. vol. 206; p. 1431.
- Powders, toilet creams, &c., Perspiration and talcum. Hot Springs Chemical Company. No. 99,590; Sept. 8; Gaz. vol. 206; p. 584.
- Powders, Tooth, bathing, face, &c. G. P. Breiter. No. 99,840; Sept. 22; Gaz. vol. 206; p. 1157.
- Powders used in preparing whipped cream, eggs, &c. Cremolite Manufacturing Co. No. 98,858; Aug. 4; Gaz. vol. 205; p. 301.
- Precious and imitation stones, Certain named. The Low-Taussig-Karpeles Co. No. 98,793; Aug. 4; Gaz. vol. 205; p. 299.
- Precious-metal articles and ornamental buckles. Fischer & Pruefer. No. 96,263; Apr. 14; Gaz. vol. 201; p. 564.
- Precious metal, Certain named articles made of. Bugbee & Niles Co. No. 99,422; Sept. 1; Gaz. vol. 206; p. 307.
- Precious metal, Certain named articles made of or plated with. Mason, Howard & Co. No. 99,112; Aug. 18; Gaz. vol. 205; p. 1016.
- Precious metal, Certain named articles made of or plated with. Scharling & Co. No. 101,110; Nov. 10; Gaz. vol. 208; p. 653.
- Precious-metal electroplated hollow ware. The Homan Manufacturing Company. No. 95,104; Feb. 3; Gaz. vol. 199; p. 299.
- Preparation for a mouth-wash and the treatment of Rigg's disease. King & Oliphant. No. 95,439; Feb. 17; Gaz. vol. 199; p. 934.
- Preparation for beautifying the complexion. M. E. Warner. No. 95,273; Feb. 3; Gaz. vol. 199; p. 304.
- Preparation for cleaning and washing the mouth, gums, throat, &c. W. T. James. No. 101,172; Nov. 17; Gaz. vol. 208; p. 980.
- Preparation for curing burns. S. Yamamoto. No. 101,026; Nov. 3; Gaz. vol. 208; p. 335.
- Preparation for dandruff, falling hair, and itching scalp. H. Kloppel and Co. No. 97,485; June 9; Gaz. vol. 203; p. 596.
- Preparation for expulsion of uric acid from the blood, &c. John Wilking Co. No. 100,189; Oct. 6; Gaz. vol. 207; p. 296.
- Preparation for improving ice-cream. B. Heller & Co. No. 101,575; Dec. 29; Gaz. vol. 209; p. 1687.
- Preparation for internal and external use. Van Vleet-Mansfield Drug Co. No. 96,064; Mar. 31; Gaz. vol. 200; p. 1388.
- Preparation for prevention and treatment of hay-fever. R. M. Stolworthy. No. 100,043; Sept. 29; Gaz. vol. 206; p. 1434.
- Preparation for reducing inflammation of the skin and promoting granulations. Farbwerke vorm. Meister Lucius & Brüning. No. 94,819; Jan. 6; Gaz. vol. 198; p. 235.
- Preparation for relief of certain named diseases. Luyties Pharmacy Company. No. 98,794; Aug. 4; Gaz. vol. 205; p. 299.
- Preparation for the relief of stomach trouble, &c. Dr. Peter Fahrney & Sons Co. No. 97,689; June 16; Gaz. vol. 203; p. 922.
- Preparation for the removal of hair, Chemical. S. M. Weldon. No. 95,380; Feb. 10; Gaz. vol. 199; p. 614.
- Preparation for the treatment of asthma. F. D. Strader. No. 98,829; Aug. 4; Gaz. vol. 205; p. 300.
- Preparation for the treatment of cancers. Witt & Witt. No. 101,242; Nov. 17; Gaz. vol. 208; p. 982.
- Preparation for the treatment of certain diseases in horses and cattle. C. A. Clark. No. 97,393; June 2; Gaz. vol. 203; p. 299.
- Preparation for the treatment of certain named ailments. B. F. Jackson. No. 98,532; July 21; Gaz. vol. 204; p. 1007.
- Preparation for the treatment of certain named ailments. W. M. Myers. No. 95,260; Feb. 3; Gaz. vol. 199; p. 303.
- Preparation for the treatment of certain named diseases. S. Blackwell. No. 98,469; July 21; Gaz. vol. 204; p. 1005.
- Preparation for the treatment of certain named diseases. Cascarine Medicine Company. No. 95,245; Feb. 3; Gaz. vol. 199; p. 303.
- Preparation for the treatment of certain named diseases. T. H. McNamee. No. 98,957; Aug. 11; Gaz. vol. 205; p. 656.
- Preparation for the treatment of certain named diseases. C. Profumo. No. 98,563; July 21; Gaz. vol. 204; p. 1008.
- Preparation for the treatment of certain named diseases. R. E. Smith. No. 95,266; Feb. 3; Gaz. vol. 199; p. 303.
- Preparation for the treatment of cholera infantum. L. C. Fuhr. No. 96,127; Apr. 7; Gaz. vol. 201; p. 262.
- Preparation for the treatment of chronic constipation. H. A. Mullins. No. 95,841; Mar. 17; Gaz. vol. 200; p. 853.
- Preparation for the treatment of consumption, &c. J. M. Hutchins. No. 99,591; Sept. 8; Gaz. vol. 206; p. 584.
- Preparation for the treatment of corns. C. De Long. No. 96,502; Apr. 21; Gaz. vol. 201; p. 898.
- Preparation for the treatment of coughs. The Dio-Pine Co. No. 96,401; Apr. 21; Gaz. vol. 201; p. 895.
- Preparation for the treatment of dandruff. J. A. Weatherall. No. 101,238; Nov. 17; Gaz. vol. 208; p. 982.
- Preparation for the treatment of diseases of the skin and scalp. W. A. Wilkins. No. 95,275; Feb. 3; Gaz. vol. 199; p. 304.
- Preparation for the treatment of dropsy. A. A. Loeck. No. 98,543; July 21; Gaz. vol. 204; p. 1007.
- Preparation for the treatment of eczema. E. E. Logan. No. 95,448; Feb. 17; Gaz. vol. 199; p. 935.
- Preparation for the treatment of headache and rheumatism. G. G. Gibson. No. 98,512; July 21; Gaz. vol. 204; p. 1006.
- Preparation for the treatment of hog-cholera. M. Greub. No. 101,460; Dec. 15; Gaz. vol. 209; p. 1049.
- Preparation for the treatment of hog-cholera and disinfectant. L. H. Swan. No. 101,338; Nov. 24; Gaz. vol. 208; p. 1353.
- Preparation for the treatment of piles. M. Heisele & Sons. No. 95,315; Feb. 10; Gaz. vol. 199; p. 612.
- Preparation for the treatment of rheumatism. F. G. Dort. No. 94,888; Jan. 13; Gaz. vol. 198; p. 490.
- Preparation for the treatment of rheumatism. W. R. Rhoades. No. 95,783; Mar. 10; Gaz. vol. 200; p. 578.
- Preparation for the treatment of scalds, burns, blisters, and bruises. C. Sabé. No. 94,832; Jan. 6; Gaz. vol. 198; p. 236.

Alphabetical list of trade-marks—Continued.

- Preparation for the treatment of skin diseases and eruptions. L. B. Miller. No. 99,482; Sept. 1; Gaz. vol. 206; p. 309.
- Preparation for the treatment of stomach, liver, intestines, and nerves. C. E. Powell. No. 96,179; Apr. 7; Gaz. vol. 201; p. 264.
- Preparation for the treatment of the hair and scalp. L. Oldham. No. 96,533; Apr. 21; Gaz. vol. 201; p. 899.
- Preparation for the treatment of toothache. F. W. Churchill. No. 97,215; May 26; Gaz. vol. 202; p. 1253.
- Preparation for the treatment of tuberculosis, &c. M. Arispe. No. 101,263; Nov. 24; Gaz. vol. 208; p. 1351.
- Preparation for the treatment of urinary diseases. G. H. Parker. No. 95,262; Feb. 3; Gaz. vol. 199; p. 303.
- Preparation for the treatment of whooping-cough. L. Guertin. No. 96,509; Apr. 21; Gaz. vol. 201; p. 898.
- Preparation for treating anemia, malaria, hook-worm, and diseases of the blood. Landrum's Drug Co. No. 96,427; Apr. 21; Gaz. vol. 201; p. 896.
- Preparation for treating certain ailments of man and live stock. C. C. Hudkins. No. 99,393; Aug. 25; Gaz. vol. 205; p. 1321.
- Preparation for treating malaria, &c. Vereinigte Chininfabriken Zimmer & Co. Ges. mit beschränkter Haftung. No. 99,822; Sept. 15; Gaz. vol. 206; p. 873.
- Preparation for treating raw or finished textiles, Pasty. B. P. Ducas Co. No. 96,402; Apr. 21; Gaz. vol. 201; p. 895.
- Preparation for treatment of cancers. J. N. Carrigan. No. 100,502; Oct. 20; Gaz. vol. 207; p. 927.
- Preparation for treatment of certain named diseases. A. Blauvelt. No. 99,839; Sept. 22; Gaz. vol. 206; p. 1157.
- Preparation for treatment of epilepsy. B. Zeidler. No. 101,027; Nov. 3; Gaz. vol. 208; p. 335.
- Preparation for treatment of hog-cholera. T. B. Fenton. No. 99,866; Sept. 22; Gaz. vol. 206; p. 1158.
- Preparation for treatment of hog-cholera. J. Heavenridge. No. 99,738; Sept. 15; Gaz. vol. 206; p. 871.
- Preparation for treatment of hog-cholera. Swan Remedy Co. No. 101,021; Nov. 3; Gaz. vol. 208; p. 335.
- Preparation for treatment of pneumonia or inflammation of the lungs. G. S. Myers & Sons. No. 95,463; Feb. 17; Gaz. vol. 199; p. 935.
- Preparation for treatment of sore, tired, and aching feet. J. Curtis. No. 99,856; Sept. 22; Gaz. vol. 206; p. 1157.
- Preparation for tuberculosis. N. N. Read. No. 101,206; Nov. 17; Gaz. vol. 208; p. 981.
- Preparation, Liquid skin. A. S. Clement and Company. No. 99,847; Sept. 22; Gaz. vol. 206; p. 1157.
- Preparation offensive to rapacious birds and animals. A. T. Otto. No. 99,492; Sept. 1; Gaz. vol. 206; p. 309.
- Preparation to be dissolved in water for treatment of the feet. Pond Pharmaceutical Company. No. 101,449; Dec. 15; Gaz. vol. 209; p. 1049.
- Preparations, Certain named toilet. F. Lissberger. No. 99,891; Sept. 22; Gaz. vol. 206; p. 1158.
- Preparations for certain named diseases, &c. Jaynes Drug Co. No. 101,397; Dec. 8; Gaz. vol. 209; p. 680.
- Preparations for cleaning enameled and porcelain ware. Porcela Radax Company. No. 100,613; Oct. 20; Gaz. vol. 207; p. 930.
- Preparations for prevention of venereal diseases. J. D. Nifong. No. 99,618; Sept. 8; Gaz. vol. 206; p. 585.
- Preparations for purifying the blood and treatment of cancer. E. Handl. No. 101,385; Dec. 8; Gaz. vol. 209; p. 680.
- Preparations for rheumatism, gout, grippe, and colds. Rheuma Chemical Co. No. 96,460; Apr. 21; Gaz. vol. 201; p. 897.
- Preparations for the treatment of certain ailments and diseases. G. W. Little. No. 96,692; Apr. 28; Gaz. vol. 201; p. 1215.
- Preparations for the treatment of certain named ailments. W. F. McBurney. No. 96,029; Mar. 31; Gaz. vol. 200; p. 1387.
- Preparations for the treatment of certain named diseases, &c. Clarksville Medicine Company. No. 98,128; July 7; Gaz. vol. 204; p. 309.
- Preparations for the treatment of certain named diseases, &c. The Expurgo Manufacturing Co. No. 97,413; June 2; Gaz. vol. 203; p. 300.
- Preparations for the treatment of certain named diseases. C. Fisher. No. 95,533; Feb. 24; Gaz. vol. 199; p. 1239.
- Preparations for the treatment of certain named diseases. Lookout Medicine Company. No. 98,298; July 7; Gaz. vol. 204; p. 314.
- Preparations for the treatment of headache, catarrh, piles, &c. C. B. Robinson Chemical Co. No. 99,172; Aug. 18; Gaz. vol. 205; p. 1018.
- Preparations for the treatment of rheumatism. Shango Remedy Co. No. 99,180; Aug. 18; Gaz. vol. 205; p. 1018.
- Preparations for the treatment of syphilis, lupus, &c. Kalle & Co., Aktiengesellschaft. No. 100,983; Nov. 3; Gaz. vol. 208; p. 334.
- Preparations for the treatment of the scalp and hair. The Slaughter System. No. 99,182; Aug. 18; Gaz. vol. 205; p. 1018.
- Preparations for throat and bronchial troubles, asthma, &c. Jaynes Drug Co. No. 101,400; Dec. 8; Gaz. vol. 209; p. 680.
- Preparations for toilet and external medicinal use, Certain named. A. J. Van Exem. No. 97,456; June 2; Gaz. vol. 203; p. 301.
- Preparations for treatment of colds, headaches, &c. J. R. Hughes. No. 99,984; Sept. 29; Gaz. vol. 206; p. 1432.
- Preparations for treatment of varicose veins and ulcers, piles, &c. M. Thibault. No. 100,182; Oct. 6; Gaz. vol. 207; p. 296.
- Preservative for iron and steel. Carbondale Calcium Co. No. 99,424; Sept. 1; Gaz. vol. 206; p. 307.
- Preservative in treating certain substances. T. Aspinall. No. 95,284; Feb. 10; Gaz. vol. 199; p. 611.
- Preserve-glasses. Rex-Conservenglas-Gesellschaft Leonhardt & Kleemann. No. 96,994; May 12; Gaz. vol. 202; p. 629.
- Preserves, Fruit. Best-Clymer Mfg. Co. No. 96,093; Apr. 7; Gaz. vol. 201; p. 261.
- Preserves, Fruit. Best-Clymer Mfg. Co. No. 96,393; Apr. 21; Gaz. vol. 201; p. 895.
- Pressor substances possessing the properties of an extract of the posterior lobe of the pituitary gland. H. S. Wellcome. No. 95,857; Mar. 17; Gaz. vol. 200; p. 854.
- Preventive for venereal diseases. R. L. Self. No. 94,835; Jan. 6; Gaz. vol. 198; p. 236.
- Preventive of venereal diseases. Preventit Co. No. 95,348; Feb. 10; Gaz. vol. 199; p. 613.
- Printed books, pamphlets, and prints. Philadelphia School For Nurses. No. 96,037; Mar. 31; Gaz. vol. 200; p. 1387.
- Printed from type, plates, or die impressions, Certain matter. The Brelsford Printing Co. No. 96,245; Apr. 14; Gaz. vol. 201; p. 564.
- Printing-forms. D. J. Seaman. No. 96,054; Mar. 31; Gaz. vol. 200; p. 1387.
- Printing machines and parts thereof, Time. Calculagraph Company. No. 95,597; Mar. 3; Gaz. vol. 200; p. 273.
- Printing-plates. W. J. Yeocell. No. 99,832; Sept. 15; Gaz. vol. 206; p. 873.
- Printing-plates, Machinery for drying curved stereotype. The Campbell Printing Press & Manufacturing Company. No. 95,985; Mar. 31; Gaz. vol. 200; p. 1385.
- Printing-presses. American Rotogravure Company. No. 96,630; Apr. 28; Gaz. vol. 201; p. 1213.
- Printing-presses. The Autopress Company. No. 96,223; Apr. 14; Gaz. vol. 201; p. 563.
- Printing-presses and parts thereof. The Harris Automatic Press Co. No. 95,097; Feb. 3; Gaz. vol. 199; p. 298.
- Printing textile material, Additions to discharges for. Badische Anilin- & Soda-Fabrik. No. 95,817; Mar. 17; Gaz. vol. 200; p. 853.
- Prints and publications. J. O. C. Union. No. 98,837; Aug. 4; Gaz. vol. 205; p. 300.
- Prints and publications, Certain. National Art Publishing Co. No. 97,436; June 2; Gaz. vol. 203; p. 301.
- Prints and publications, Certain named. A. Jarvis. No. 97,424; June 2; Gaz. vol. 203; p. 300.
- Prints, publications, pictorial illustrations, and books. Bonnet-Brown Sales Service. No. 98,244; July 7; Gaz. vol. 204; p. 313.
- Projection apparatus, films, and photographic plates. Société Internationale de Lumière Froide (Procédés Dussaud). No. 96,360; Apr. 14; Gaz. vol. 201; p. 567.
- Propellers. W. R. Boutwell. No. 96,639; Apr. 28; Gaz. vol. 201; p. 1213.
- Prunes. Santa Rosa Cured Fruit Association. No. 99,794; Sept. 15; Gaz. vol. 206; p. 872.
- Publication, Annual. The Chicago Directory Company. No. 101,364; Dec. 8; Gaz. vol. 209; p. 679.
- Publication, Monthly. American Wine Company. No. 96,926; May 12; Gaz. vol. 202; p. 627.
- Publication, Monthly. Clothier Publishing Co. No. 101,134; Nov. 17; Gaz. vol. 208; p. 979.
- Publication, Monthly. Max Greenberg & Co. No. 99,731; Sept. 15; Gaz. vol. 206; p. 870.
- Publication, Monthly. M. Heminway & Sons Silk Company. No. 96,805; May 5; Gaz. vol. 202; p. 310.
- Publication, Monthly. Lummus Cotton Gin Co. No. 101,184; Nov. 17; Gaz. vol. 208; p. 981.
- Publication, Monthly. The McCaskey Register Company. No. 99,892; Sept. 22; Gaz. vol. 206; p. 1158.
- Publication, Monthly. New York Athletic Club. No. 95,134; Feb. 3; Gaz. vol. 199; p. 300.
- Publication, Monthly. T. and C. Publishing Corporation. No. 100,910; Oct. 27; Gaz. vol. 207; p. 1246.
- Publication, Monthly. Troy Laundry Machinery Company. No. 97,017; May 12; Gaz. vol. 202; p. 629.
- Publication of a record of enforced collections, &c. The Credit Clearing House. No. 99,704; Sept. 15; Gaz. vol. 206; p. 870.
- Publication of horse-racing, Weekly. O. E. Cloud. No. 101,366; Dec. 8; Gaz. vol. 209; p. 679.
- Publication, Periodical. Archaeological Institute of America. No. 101,120; Nov. 17; Gaz. vol. 208; p. 979.
- Publication, Periodical. Multiplex Display Fixture Company. No. 97,551; June 9; Gaz. vol. 203; p. 598.

Alphabetical list of trade-marks—Continued.

- Publication, Serial. U. Davis. No. 98,256; July 7; Gaz. vol. 204; p. 313.
- Publication, Serial. Draper Company. No. 97,957; June 30; Gaz. vol. 203; p. 1549.
- Publication, Trade. M. Heymann. No. 100,122; Oct. 6; Gaz. vol. 207; p. 294.
- Publication, Weekly. M. Freeman. Nos. 101,150-1; Nov. 17; Gaz. vol. 208; p. 980.
- Publication, Weekly. The Opera, Inc. No. 95,651; Mar. 3; Gaz. vol. 200; p. 275.
- Publication, Weekly. Printers' Ink Publishing Company. No. 101,322; Nov. 24; Gaz. vol. 208; p. 1352.
- Publication, Yearly periodical. J. J. Dauch. No. 97,601; June 16; Gaz. vol. 203; p. 919.
- Publications. Farmers National Life Insurance Company of America. No. 100,786; Oct. 27; Gaz. vol. 207; p. 1242.
- Publications, Certain named. T. L. Shaw. No. 99,801; Sept. 15; Gaz. vol. 206; p. 872.
- Publications, Monthly. H. von Glahn & Son. No. 98,341; July 7; Gaz. vol. 204; p. 316.
- Publications, Monthly periodical. Otis & Company. No. 96,034; Mar. 31; Gaz. vol. 200; p. 1387.
- Publications, Periodicals. The Joseph N. Eisendrath Company. No. 97,829; June 23; Gaz. vol. 203; p. 1255.
- Publications, Quarterly. Sullivan Machinery Company. No. 97,014; May 12; Gaz. vol. 202; p. 629.
- Publications, Tree-surgery. The Davey Tree Expert Company. No. 99,200; Aug. 25; Gaz. vol. 205; p. 1315.
- Publications, Weekly. Cloud Publishing Company. No. 99,849; Sept. 22; Gaz. vol. 206; p. 1157.
- Puddings. W. Haigh. No. 99,207; Aug. 25; Gaz. vol. 205; p. 1315.
- Puerperal swaths, catamenial belts, and obesity-bandages. J. S. Graves. No. 97,333; June 2; Gaz. vol. 203; p. 298.
- Pulley-blocks, sheaves, bushings, and bearings. Merriman Brothers. No. 96,708; Apr. 28; Gaz. vol. 201; p. 1215.
- Pulp-board. MacAndrews & Forbes Company. No. 100,573; Oct. 20; Gaz. vol. 207; p. 929.
- Pulp-board. West Virginia Pulp Products Co. No. 101,610; Dec. 29; Gaz. vol. 209; p. 1688.
- Pulp or fiber board and building-paper. The Beaver Company. No. 96,775; May 5; Gaz. vol. 202; p. 309.
- Pulp, Wood and paper. West Virginia Pulp Products Co. No. 99,827; Sept. 15; Gaz. vol. 206; p. 873.
- Pumps. The Barnes Mfg. Co. No. 95,732; Mar. 10; Gaz. vol. 200; p. 577.
- Pumps. The Deming Company. No. 99,003; Aug. 11; Gaz. vol. 205; p. 657.
- Pumps and compressors, pump-valves, &c. Firm of A. Borsig. No. 100,085; Oct. 6; Gaz. vol. 207; p. 293.
- Pumps and discharge-nozzles for spraying trees, fruits, &c. Bean Spray Pump Co. No. 97,748; June 16; Gaz. vol. 203; p. 923.
- Pumps and well-heads. International Steam Pump Company. No. 99,013; Aug. 11; Gaz. vol. 205; p. 658.
- Puncture-proof compound. J. H. Gardner. No. 96,270; Apr. 14; Gaz. vol. 201; p. 564.
- Puncture-proofing substances. Live Air Company. No. 99,324; Aug. 25; Gaz. vol. 205; p. 1319.
- Puzzles. F. W. Doll. No. 100,294; Oct. 20; Gaz. vol. 207; p. 921.
- Pyrographic apparatus and accessories. Flemish Art Company. No. 95,089; Feb. 3; Gaz. vol. 199; p. 298.
- Quarry blocks, slabs, and marble. Rough. Moretti-Harrah Marble Company. No. 97,164; May 19; Gaz. vol. 202; p. 949.
- Quebracho-wood extract. New York Quebracho Extract Co. No. 100,996; Nov. 3; Gaz. vol. 208; p. 334.
- Quilts. Beacon Manufacturing Co. No. 99,537; Sept. 8; Gaz. vol. 206; p. 583.
- Radio-activity in liquids, Generator for producing. The Colorado Radium Products Company. No. 101,036; Nov. 10; Gaz. vol. 208; p. 651.
- Radish extract for relieving indigestion. Dr. L. Naumann. No. 98,804; Aug. 4; Gaz. vol. 205; p. 299.
- Radium-emanators for treating water. V. Lidell. No. 95,549; Feb. 24; Gaz. vol. 199; p. 1240.
- Rain-coats. B. Birnbaum & Son. No. 100,492; Oct. 20; Gaz. vol. 207; p. 926.
- Rain-coats and overcoats. The London Waterproof Co. No. 99,016; Aug. 11; Gaz. vol. 205; p. 658.
- Rain-coats and rubber coats. E. Krieger. No. 97,866; June 23; Gaz. vol. 203; p. 1257.
- Rain-coats, rubber boots, overshoes, and sandals. St. Paul Rubber Company. No. 96,611; Apr. 21; Gaz. vol. 201; p. 901.
- Rain-proof coats, capes, jackets, breeches, and leggings. Wallace, Scott & Co. No. 96,372; Apr. 14; Gaz. vol. 201; p. 567.
- Raisins. California Associated Raisin Co. No. 99,688; Sept. 15; Gaz. vol. 206; p. 869.
- Ranges. People's Outfitting Company. No. 95,346; Feb. 10; Gaz. vol. 199; p. 613.
- Ranges, hot-plates, water-heaters, and heating-stoves, Gas-. New Method Stove Company. No. 97,878; June 23; Gaz. vol. 203; p. 1257.
- Ranges, stoves, and furnaces. Gohmann Bros. & Kahler Co. No. 96,273; Apr. 14; Gaz. vol. 201; p. 564.
- Ranges, stoves, and heaters. Abram Cox Stove Company. No. 98,252; July 7; Gaz. vol. 204; p. 313.
- Rat-traps. G. S. White. No. 99,924; Sept. 22; Gaz. vol. 206; p. 1159.
- Razor-strops. The Gibford-Weiffenbach Company. No. 96,661; Apr. 28; Gaz. vol. 201; p. 1214.
- Razor-strops. The Gibford-Weiffenbach Company. No. 100,319; Oct. 20; Gaz. vol. 207; p. 921.
- Razor-strops and dressings. Nev-A-Hone Razor Strop Company. No. 99,898; Sept. 22; Gaz. vol. 206; p. 1159.
- Razors. Cattaraugus Cutlery Co. No. 95,599; Mar. 3; Gaz. vol. 200; p. 273.
- Razors. Koken Barbers' Supply Company. Nos. 99,220-4; Aug. 25; Gaz. vol. 205; p. 1316.
- Razors. A. Spagna and L. Clinco. No. 99,364; Aug. 25; Gaz. vol. 205; p. 1320.
- Razors. Young Safety Razor Company. No. 99,376; Aug. 25; Gaz. vol. 205; p. 1320.
- Razors and blades, Safety-. Auto Strop Safety Razor Co. No. 99,931; Sept. 29; Gaz. vol. 206; p. 1431.
- Razors and shears. P. Eiseemann. No. 96,002; Mar. 31; Gaz. vol. 200; p. 1386.
- Razors, pocket-knives, scissors, &c., not of precious metal. M. Klaas. No. 95,323; Feb. 10; Gaz. vol. 199; p. 612.
- Razors, razor-blades, knives, scissors, and shears. F. A. Claiberg & Co. No. 96,252; Apr. 14; Gaz. vol. 201; p. 564.
- Razors, scissors, and hair-clippers. Alexis Witte Cutlery Company. No. 97,929; June 23; Gaz. vol. 203; p. 1258.
- Razors, scissors, and hair-clippers. J. Palazzolo. No. 97,881; June 23; Gaz. vol. 203; p. 1257.
- Razors, scissors, and pocket scissors and knives. Firm of P. L. Schmidt. No. 97,787; June 16; Gaz. vol. 203; p. 925.
- Reamers and drills. Rich Tool Company. No. 96,906; May 5; Gaz. vol. 202; p. 313.
- Reapers and parts thereof. International Harvester Company of New Jersey. No. 95,109; Feb. 3; Gaz. vol. 199; p. 299.
- Recorders, measurers, speed-indicators, &c., Certain. W. G. Bruhn. No. 97,315; June 2; Gaz. vol. 203; p. 297.
- Recording and indicating operations of other machines, Apparatus, machines, and parts thereof for. Slocum, Avram & Slocum. No. 96,057; Mar. 31; Gaz. vol. 200; p. 1387.
- Reflector-shades, shades, globes, and reflectors. Gill Brothers Company. No. 98,144; July 7; Gaz. vol. 204; p. 310.
- Reflectors. R. D. Gray. No. 100,803; Oct. 27; Gaz. vol. 207; p. 1243.
- Reflectoscope. Shomescope Manufacturing Co. No. 99,026; Aug. 11; Gaz. vol. 205; p. 658.
- Refrigerating apparatus. The Iceless Refrigeration Company. No. 98,781; Aug. 4; Gaz. vol. 205; p. 298.
- Refrigerators. Carstens Bros. No. 101,494; Dec. 15; Gaz. vol. 209; p. 1050.
- Refrigerators. The Piper Cooling and Preserving Company. No. 99,625; Sept. 8; Gaz. vol. 206; p. 585.
- Refrigerators, ice-chests, &c. L. A. Banta. No. 95,287; Feb. 10; Gaz. vol. 199; p. 611.
- Registers, Stock-bond. G. I. Boles. No. 98,243; July 7; Gaz. vol. 204; p. 313.
- Relishes. F. Livora. No. 101,183; Nov. 17; Gaz. vol. 208; p. 981.
- Relishes and salad-dressings. Table. McCormick & Co. No. 95,645; Mar. 3; Gaz. vol. 200; p. 274.
- Remedies for appendicitis. A. J. Czarniecki. No. 95,525; Feb. 24; Gaz. vol. 199; p. 1239.
- Remedies for bowel and liver diseases. The Sydney Ross Co. No. 97,505; June 9; Gaz. vol. 203; p. 596.
- Remedies for certain ailments and diseases. Druggists' Co-operative Association, Inc. No. 95,528; Feb. 24; Gaz. vol. 199; p. 1239.
- Remedies for certain named diseases. American Remedial Co. No. 99,075; Aug. 18; Gaz. vol. 205; p. 1017.
- Remedies for certain named diseases. M. A. Dodson. No. 96,258; Apr. 14; Gaz. vol. 201; p. 564.
- Remedies for certain named diseases and a liniment. Eberhart Pharmacal Co. No. 95,708; Mar. 3; Gaz. vol. 200; p. 276.
- Remedies for certain named diseases, and cold-cream. Smith Manufacturing Co. No. 99,655; Sept. 8; Gaz. vol. 206; p. 586.
- Remedies for certain named diseases, antiseptic washes, and disinfectants. Smith, Kline & French Co. No. 100,170; Oct. 6; Gaz. vol. 207; p. 296.
- Remedies for certain named diseases of animals. A. A. Wells. No. 99,923; Sept. 22; Gaz. vol. 206; p. 1159.
- Remedies for children. Smith, Kline & French Co. No. 95,267; Feb. 3; Gaz. vol. 199; p. 303.
- Remedies for colds. C. D. Vosburgh. No. 97,737; June 16; Gaz. vol. 203; p. 923.
- Remedies for diseases of dogs. T. Delaney. No. 96,501; Apr. 21; Gaz. vol. 201; p. 898.
- Remedies for diseases of the eyes. L. P. Savage. No. 96,608; Apr. 21; Gaz. vol. 201; p. 901.
- Remedies for gout and rheumatism. Chemische Fabrik auf Actien (vorm. E. Schering). No. 98,479; July 21; Gaz. vol. 204; p. 1005.

Alphabetical list of trade-marks—Continued.

- Remedies for intestinal disorders. Van Horn and Saw tell. No. 97,379; June 2; Gaz. vol. 203; p. 299.
- Remedies for neuralgia. S. F. Jowers. No. 99,595; Sept. 8; Gaz. vol. 206; p. 585.
- Remedies for pneumonia, piles, headache, &c. H. W. Smith. No. 98,580; July 21; Gaz. vol. 204; p. 1008.
- Remedies for skin diseases, External. A. M. Shiffer. No. 94,836; Jan. 6; Gaz. vol. 198; p. 236.
- Remedies for syphilis. C. W. Entzminger. No. 95,530; Feb. 24; Gaz. vol. 199; p. 1239.
- Remedies for tobacco-poisoning, biliousness, constipation, and dyspepsia. S. B. Lyon. No. 96,524; Apr. 21; Gaz. vol. 201; p. 899.
- Remedies. Headache and indigestion. J. R. Porta. No. 101,527; Dec. 22; Gaz. vol. 209; p. 1314.
- Remedies. Horse. C. E. Mechel. No. 97,067; May 19; Gaz. vol. 202; p. 946.
- Remedies. Horse. C. E. Mechel. No. 97,159; May 19; Gaz. vol. 202; p. 949.
- Remedies. Poultry. Wonder Manufacturing Co. No. 98,990; Aug. 11; Gaz. vol. 205; p. 657.
- Remedies. Rheumatism. D. Barr. No. 98,240; July 7; Gaz. vol. 204; p. 313.
- Remedies. Rheumatism. J. H. Crocker. No. 100,773; Oct. 27; Gaz. vol. 207; p. 1242.
- Remedy and a tonic and blood-purifier, Rheumatic and lumbago. H. A. Bennett. No. 95,699; Mar. 3; Gaz. vol. 200; p. 276.
- Remedy and appetizer, Tonic blood. W. M. Griffin Company. No. 101,461; Dec. 15; Gaz. vol. 209; p. 1049.
- Remedy and corrective for ailments and disorders of the digestive organs. United Drug Company. No. 101,434; Dec. 8; Gaz. vol. 209; p. 681.
- Remedy and preventive for certain named affections, &c. H. L. Roman e hijos. No. 98,149; July 7; Gaz. vol. 204; p. 310.
- Remedy and tonic, Eye. J. H. Egbert. No. 96,872; May 5; Gaz. vol. 202; p. 312.
- Remedy and tonic for certain named diseases. J. C. Ayer Co. No. 96,388; Apr. 21; Gaz. vol. 201; p. 895.
- Remedy. Blood. Beggs Manufacturing Co. No. 100,751; Oct. 27; Gaz. vol. 207; p. 1241.
- Remedy. Blood. J. D. Burke. No. 99,841; Sept. 22; Gaz. vol. 206; p. 1157.
- Remedy. Blood. M. B. Hodges. No. 96,016; Mar. 31; Gaz. vol. 200; p. 1386.
- Remedy. Catarrh. Dr. Burke's Catarrh Remedy Co. No. 95,702; Mar. 3; Gaz. vol. 200; p. 276.
- Remedy. Corn. W. Mezger. No. 95,458; Feb. 17; Gaz. vol. 199; p. 935.
- Remedy. Corn and bunion. C. Woofter. No. 95,504; Feb. 17; Gaz. vol. 199; p. 936.
- Remedy. Eczema and skin. L. Hennenhoefler. No. 99,011; Aug. 11; Gaz. vol. 205; p. 658.
- Remedy employed as a sedative in cough and asthmatic ailments. Knoll & Co. No. 95,324; Feb. 10; Gaz. vol. 199; p. 612.
- Remedy for anemic conditions. A. Sclavo. No. 98,913; Aug. 11; Gaz. vol. 205; p. 655.
- Remedy for asthma and hay-fever. Capital Drug Company. No. 99,140; Aug. 18; Gaz. vol. 205; p. 1017.
- Remedy for asthma, bronchitis, &c. H. Armstrong. No. 100,745; Oct. 27; Gaz. vol. 207; p. 1241.
- Remedy for asthma, hay-fever, catarrh, and nervous disorders. W. H. Jackman. No. 95,253; Feb. 3; Gaz. vol. 199; p. 303.
- Remedy for blood-purifying and laxative purposes. B. Lauer. No. 100,127; Oct. 6; Gaz. vol. 207; p. 294.
- Remedy for catarrh and asthma. J. A. Le Blanc. No. 98,541; July 21; Gaz. vol. 204; p. 1007.
- Remedy for catarrh, hay-fever, and head-cold. Spurlock-Neal Co. No. 98,208; July 7; Gaz. vol. 204; p. 312.
- Remedy for catarrh, headaches, coughs, &c. J. P. Hornbuckle. No. 101,391; Dec. 8; Gaz. vol. 209; p. 680.
- Remedy for certain diseases and a blood-tonic. Dr. Flint Medicine Company. No. 97,230; May 26; Gaz. vol. 202; p. 1254.
- Remedy for certain diseases and ailments. J. W. Douthitt. No. 95,248; Feb. 3; Gaz. vol. 199; p. 303.
- Remedy for certain foot ailments. Dennison Pharmacal Company. No. 99,857; Sept. 22; Gaz. vol. 206; p. 1157.
- Remedy for certain named affections. Bubenik Chemical Manufacturing Co. No. 97,039; May 19; Gaz. vol. 202; p. 945.
- Remedy for certain named ailments. A. A. Gracey. No. 95,314; Feb. 10; Gaz. vol. 199; p. 612.
- Remedy for certain named ailments and diseases. Mentha-col Co. No. 95,332; Feb. 10; Gaz. vol. 199; p. 612.
- Remedy for certain named diseases. Actien-Gesellschaft für Anilin-Fabrikation. No. 100,071; Oct. 6; Gaz. vol. 207; p. 293.
- Remedy for certain named diseases. J. C. Ayer Co. No. 96,084; Apr. 7; Gaz. vol. 201; p. 261.
- Remedy for certain named diseases. The Chesman-Reinbolt Co. No. 98,248; July 7; Gaz. vol. 204; p. 313.
- Remedy for certain named diseases. F. S. Dickinson. No. 99,146; Aug. 18; Gaz. vol. 205; p. 1017.
- Remedy for certain named diseases. Farbwerke vorm. Meister Lucius & Brüning. No. 95,250; Feb. 3; Gaz. vol. 199; p. 303.
- Remedy for certain named diseases. P. Goldich. No. 95,424; Feb. 17; Gaz. vol. 199; p. 934.
- Remedy for certain named diseases. A. Hercher. No. 95,317; Feb. 10; Gaz. vol. 199; p. 612.
- Remedy for certain named diseases. H. E. Kendall. No. 96,421; Apr. 21; Gaz. vol. 201; p. 896.
- Remedy for certain named diseases. The F. W. Ketterer Medicine Co. No. 95,322; Feb. 10; Gaz. vol. 199; p. 612.
- Remedy for certain named diseases. G. H. Kress. No. 101,402; Dec. 8; Gaz. vol. 209; p. 680.
- Remedy for certain named diseases. J. B. Lozano. No. 97,153; May 19; Gaz. vol. 202; p. 948.
- Remedy for certain named diseases. W. P. Poythress Capsule Co. No. 96,180; Apr. 7; Gaz. vol. 201; p. 264.
- Remedy for certain named diseases. Radical Remedy Co. No. 97,353; June 2; Gaz. vol. 203; p. 298.
- Remedy for certain named diseases. G. W. Ramey & Sons. No. 101,417; Dec. 8; Gaz. vol. 209; p. 681.
- Remedy for certain named diseases. A. Rogers. No. 96,719; Apr. 28; Gaz. vol. 201; p. 1216.
- Remedy for certain named diseases. The Swabine Co. No. 100,179; Oct. 6; Gaz. vol. 207; p. 296.
- Remedy for certain named diseases. J. C. Witherspoon. No. 95,029; Jan. 20; Gaz. vol. 198; p. 700.
- Remedy for certain named diseases. C. F. York. No. 99,928; Sept. 22; Gaz. vol. 206; p. 1159.
- Remedy for certain named diseases and ailments. L. A. Carter. No. 101,505; Dec. 22; Gaz. vol. 209; p. 1313.
- Remedy for certain named diseases of horses and cattle. F. A. Woodmansee. No. 95,815; Mar. 10; Gaz. vol. 200; p. 579.
- Remedy for certain named diseases, Tonic. Chilhowee Medicine Company. No. 96,568; Apr. 21; Gaz. vol. 201; p. 900.
- Remedy for certain named disorders of infants and children. G. W. King. No. 100,124; Oct. 6; Gaz. vol. 207; p. 294.
- Remedy for certain named stomach troubles. J. A. Kelly. No. 98,165; July 7; Gaz. vol. 204; p. 310.
- Remedy for certain skin affections, chapped hands, burns, and wrinkles. A. Young. No. 96,923; May 5; Gaz. vol. 202; p. 313.
- Remedy for chills, fever, and malaria. J. A. Gay. No. 98,761; Aug. 4; Gaz. vol. 205; p. 298.
- Remedy for chills, fever, and malaria. W. C. Irvin. No. 99,394; Aug. 25; Gaz. vol. 205; p. 1321.
- Remedy for cholera and asthma. King Bros. No. 96,684; Apr. 28; Gaz. vol. 201; p. 1215.
- Remedy for cholera, roup, limberneck, &c. R. H. Miller. No. 99,396; Aug. 25; Gaz. vol. 205; p. 1321.
- Remedy for colds and catarrh. D. Slavitsky. No. 95,569; Feb. 24; Gaz. vol. 199; p. 1241.
- Remedy for corns, callouses, warts, &c. E. Lawrence & Co. No. 101,071; Nov. 10; Gaz. vol. 208; p. 652.
- Remedy for coughs and colds. Fort Pitt Medical Co. No. 96,123; Apr. 7; Gaz. vol. 201; p. 262.
- Remedy for coughs and throat affections. The Convent Co. No. 100,513; Oct. 20; Gaz. vol. 207; p. 927.
- Remedy for coughs, croup, asthma, &c. The H. C. Whitmer Company. No. 100,674; Oct. 20; Gaz. vol. 207; p. 932.
- Remedy for cuts and sores. B. Ruggiero. No. 97,358; June 2; Gaz. vol. 203; p. 298.
- Remedy for dandruff, itching, and scalp eczema. M. E. Leive. No. 95,445; Feb. 17; Gaz. vol. 199; p. 935.
- Remedy for diabetes. Scheuertheversand-Gesellschaft mit beschränkter Haftung. No. 96,911; May 5; Gaz. vol. 202; p. 313.
- Remedy for diabetes, furunculosis, gout, &c. Hefefabrik Emmerthal Gesellschaft mit beschränkter Haftung. No. 101,161; Nov. 17; Gaz. vol. 208; p. 980.
- Remedy for diseased conditions of certain organs. The Rhubaral Company. No. 97,440; June 2; Gaz. vol. 203; p. 301.
- Remedy for diseases of poultry. B. W. Glyde. No. 94,904; Jan. 13; Gaz. vol. 198; p. 490.
- Remedy for diseases of poultry and swine. H. W. Metzler. No. 96,527; Apr. 21; Gaz. vol. 201; p. 899.
- Remedy for diseases of the blood and skin. S. B. Payne. No. 99,170; Aug. 18; Gaz. vol. 205; p. 1018.
- Remedy for diseases of the kidneys and bladder. J. F. Algae. No. 95,383; Feb. 17; Gaz. vol. 199; p. 933.
- Remedy for diseases of the liver. Van Vleet-Mansfield Drug Co. No. 96,554; Apr. 21; Gaz. vol. 201; p. 900.
- Remedy for diseases of the skin and blood. R. A. D. Carbonell. No. 95,349; Feb. 10; Gaz. vol. 199; p. 613.
- Remedy for diseases of the skin and scalp. Lavol Laboratories. No. 101,403; Dec. 8; Gaz. vol. 209; p. 680.
- Remedy for disorders of the stomach and bowels. M. Chila. No. 99,549; Sept. 8; Gaz. vol. 206; p. 583.
- Remedy for dyspepsia. Bell & Co. No. 99,837; Sept. 22; Gaz. vol. 206; p. 1157.
- Remedy for dyspepsia. W. B. Bray. No. 94,482; Jan. 20; Gaz. vol. 198; p. 699.
- Remedy for dyspepsia. J. Cloutier. No. 99,850; Sept. 22; Gaz. vol. 206; p. 1157.
- Remedy for ear ailments and diseases. C. A. Tyndall. No. 95,863; Feb. 10; Gaz. vol. 199; p. 613.

Alphabetical list of trade-marks—Continued.

- Remedy for eczema. Tilden Company. No. 96,549; Apr. 21; Gaz. vol. 201; p. 899.
- Remedy for eczema and salt-rheum. External. W. H. Haviland. No. 97,141; May 19; Gaz. vol. 202; p. 948.
- Remedy for eczema, ringworm, pimples, &c. C. M. Stein. No. 98,584; July 21; Gaz. vol. 204; p. 1009.
- Remedy for epilepsy. H. M. Freck. No. 96,879; May 5; Gaz. vol. 202; p. 312.
- Remedy for eye diseases. M. A. Parker. No. 97,271; May 26; Gaz. vol. 202; p. 1255.
- Remedy for foot ailments. A. P. Foose. No. 99,387; Aug. 25; Gaz. vol. 205; p. 1321.
- Remedy for frost-bite. F. J. Brinker. No. 95,295; Feb. 10; Gaz. vol. 199; p. 611.
- Remedy for gall-stone and gravel. Steinhilber Drug Company. No. 97,569; June 9; Gaz. vol. 203; p. 598.
- Remedy for gonorrhea. O. Bergmeyer. No. 95,242; Feb. 3; Gaz. vol. 199; p. 303.
- Remedy for gonorrhea. J. D. Burke. Nos. 99,381-2; Aug. 25; Gaz. vol. 205; p. 1320.
- Remedy for gonorrhea and diseases of the kidneys and bladder. M. Robins. No. 96,908; May 5; Gaz. vol. 202; p. 313.
- Remedy for gonorrhea, gleet, strictures, &c. Wright's Indian Vegetable Pill Co. No. 97,518; June 9; Gaz. vol. 203; p. 597.
- Remedy for grip, colds, headache, &c. J. T. Morgan. No. 101,310; Nov. 24; Gaz. vol. 208; p. 1352.
- Remedy for habitual constipation, headache, &c., and cough-balsam. L. Wolpow. No. 99,410; Aug. 25; Gaz. vol. 205; p. 1321.
- Remedy for hay-fever, &c. T. M. Warner. No. 97,380; June 2; Gaz. vol. 203; p. 299.
- Remedy for hay-fever, asthma, bronchitis, &c. G. D. Hoover. No. 97,700; June 16; Gaz. vol. 203; p. 922.
- Remedy for hay-fever, catarrh, &c. H. M. R. Co. No. 101,382; Dec. 8; Gaz. vol. 209; p. 680.
- Remedy for headache. The Porter Company. No. 101,489; Dec. 15; Gaz. vol. 209; p. 1050.
- Remedy for headache and neuralgia. B. C. Remedy Company. No. 98,564; July 21; Gaz. vol. 204; p. 1008.
- Remedy for headache, neuralgia, &c., Effervescent. Walker Drug Company. No. 100,055; Sept. 29; Gaz. vol. 206; p. 1434.
- Remedy for headache, rheumatism, and neuralgia. W. M. Brown. No. 98,472; July 21; Gaz. vol. 204; p. 1005.
- Remedy for headache, toothache, and neuralgia. Remedy Sales Corporation. No. 99,120; Aug. 18; Gaz. vol. 205; p. 1016.
- Remedy for heart trouble. A. Szecsenyi. No. 99,916; Sept. 22; Gaz. vol. 206; p. 1159.
- Remedy for hemorrhoids. R. E. Bourgeois. No. 96,565; Apr. 21; Gaz. vol. 201; p. 900.
- Remedy for hog-cholera. F. Kurth. No. 98,790; Aug. 4; Gaz. vol. 205; p. 298.
- Remedy for hog diseases. H. G. Harter Co. No. 98,147; July 7; Gaz. vol. 204; p. 310.
- Remedy for impurities of the blood. Van Vleet-Mansfield Drug Co. No. 96,211; Apr. 7; Gaz. vol. 201; p. 264.
- Remedy for indigestion. Bell & Co. No. 97,203; May 26; Gaz. vol. 202; p. 1253.
- Remedy for indigestion. Neal Tablet Company. No. 98,548; July 21; Gaz. vol. 204; p. 1008.
- Remedy for indigestion, gastritis, &c. G. W. Williams. No. 100,467; Oct. 20; Gaz. vol. 207; p. 926.
- Remedy for indigestion, headache, nervousness, &c. H. Luntz. No. 96,900; May 5; Gaz. vol. 202; p. 313.
- Remedy for leucorrhea, gonorrhea, and gleet. M. E. Zerphy. No. 94,846; Jan. 6; Gaz. vol. 198; p. 236.
- Remedy for liver and stomach troubles. Georgia Medicine Co. No. 99,971; Sept. 29; Gaz. vol. 206; p. 1432.
- Remedy for malarial fever, &c. B. & H. Medicine Company. No. 96,440; Apr. 21; Gaz. vol. 201; p. 896.
- Remedy for mares to procure immunity for the foals from a certain disease. H. O. Wright. No. 100,057; Sept. 29; Gaz. vol. 206; p. 1434.
- Remedy for piles. C. S. Altoonian. No. 95,032; Jan. 27; Gaz. vol. 198; p. 895.
- Remedy for piles. M. Groze. No. 96,584; Apr. 21; Gaz. vol. 201; p. 900.
- Remedy for piles. E. Hammond. No. 97,475; June 9; Gaz. vol. 203; p. 595.
- Remedy for piles. Pyramid Drug Co. No. 95,034; Jan. 27; Gaz. vol. 198; p. 895.
- Remedy for poison-oak poisoning. B. J. Demartini. No. 95,247; Feb. 3; Gaz. vol. 199; p. 303.
- Remedy for purifying the blood and for laxative purposes. B. Lauer. No. 100,849; Oct. 27; Gaz. vol. 207; p. 1244.
- Remedy for pyorrhea and pus diseases. W. F. Dunlop. No. 96,949; May 12; Gaz. vol. 202; p. 627.
- Remedy for pyorrhea, rheumatism, and indigestion. A. Davis. No. 100,961; Nov. 3; Gaz. vol. 208; p. 333.
- Remedy for removing superfluous hair. Morrow Chemical Company. No. 95,840; Mar. 17; Gaz. vol. 200; p. 853.
- Remedy for renal colic, diabetes, and Bright's disease. J. H. Pace. No. 100,147; Oct. 6; Gaz. vol. 207; p. 295.
- Remedy for rheumatism. J. M. Cabral. No. 95,244; Feb. 3; Gaz. vol. 199; p. 303.
- Remedy for rheumatism. M. E. True. No. 98,218; July 7; Gaz. vol. 204; p. 312.
- Remedy for rheumatism and diseases of the bladder and kidneys. Wytttenbach Bros. Company. No. 101,453; Dec. 15; Gaz. vol. 209; p. 1049.
- Remedy for rheumatism, sore muscles, and itching skin. Satterlee & Smith. No. 96,723; Apr. 28; Gaz. vol. 201; p. 1216.
- Remedy for rheumatism, syphilis, Bright's disease, &c. T. B. Key Co. No. 97,251; May 26; Gaz. vol. 202; p. 1254.
- Remedy for scalp and skin diseases. M. M. Logan. No. 98,168; July 7; Gaz. vol. 204; p. 310.
- Remedy for seasickness. R. D. Hamilton. No. 98,951; Aug. 11; Gaz. vol. 205; p. 656.
- Remedy for skin diseases. W. C. Keim. No. 99,989; Sept. 29; Gaz. vol. 206; p. 1432.
- Remedy for skin diseases. G. H. Smith. No. 97,283; May 26; Gaz. vol. 202; p. 1255.
- Remedy for skin troubles. J. H. Haydon. No. 96,883; May 5; Gaz. vol. 202; p. 312.
- Remedy for smoking habit. Wood-Lane Drug Co. No. 98,230; July 7; Gaz. vol. 204; p. 312.
- Remedy for sore heads of chickens. Baum & Company. No. 98,118; July 7; Gaz. vol. 204; p. 309.
- Remedy for sore throats, stiff necks, and chest pains. Goos-Olene Co. No. 99,730; Sept. 15; Gaz. vol. 206; p. 870.
- Remedy for stomach disorders and digestive troubles. C. A. Tyndall. No. 98,339; July 7; Gaz. vol. 204; p. 316.
- Remedy for syphilis. Weigel, Hoshaw & Heare. No. 96,069; Mar. 31; Gaz. vol. 200; p. 1388.
- Remedy for the hair and scalp. Spencer & Washington. No. 99,812; Sept. 15; Gaz. vol. 206; p. 873.
- Remedy for the relief of certain named diseases, Salts. Salcura Company. No. 99,403; Aug. 25; Gaz. vol. 205; p. 1321.
- Remedy for the treatment of certain named diseases. Albany Chemical Co. No. 95,240; Feb. 3; Gaz. vol. 199; p. 303.
- Remedy for the treatment of diseases of the air-passages. Pneumo-Vapo-Tone Co. No. 98,811; Aug. 4; Gaz. vol. 205; p. 299.
- Remedy for tuberculosis, &c. S. I. de Mendia. No. 96,652; Apr. 28; Gaz. vol. 201; p. 1214.
- Remedy for various affections of the lungs and throat. J. C. Ayer Co. No. 96,086; Apr. 7; Gaz. vol. 201; p. 261.
- Remedy for venereal diseases. M. Honaker, Sen. No. 99,588; Sept. 8; Gaz. vol. 206; p. 584.
- Remedy for venereal diseases. T. F. Kelleghan. No. 98,164; July 7; Gaz. vol. 204; p. 310.
- Remedy, Headache. J. B. Pickelsimer. No. 101,321; Nov. 24; Gaz. vol. 208; p. 1352.
- Remedy, Hemorrhoid. Young & Parsons. No. 99,929; Sept. 22; Gaz. vol. 206; p. 1159.
- Remedy, Laxative and digestive. A. V. Piskorski. No. 97,502; June 9; Gaz. vol. 203; p. 596.
- Remedy, Liver. L. G. Durr. No. 98,666; July 28; Gaz. vol. 204; p. 1340.
- Remedy, Pile. L. B. Myers. No. 100,592; Oct. 20; Gaz. vol. 207; p. 929.
- Remedy, Rheumatic. Baker Chemical Co. No. 95,698; Mar. 3; Gaz. vol. 200; p. 276.
- Remedy, Stomach. The Eli Lilly & Company. No. 101,181; Nov. 17; Gaz. vol. 208; p. 981.
- Remedy, Throat and lung. E. Woodruff. No. 99,411; Aug. 25; Gaz. vol. 205; p. 1321.
- Remedy, Tonic. Diamond Chemical Co. No. 101,037; Nov. 10; Gaz. vol. 208; p. 651.
- Remedy used as a liniment, stimulant, &c. Whitman Chemical Co. No. 100,673; Oct. 20; Gaz. vol. 207; p. 932.
- Revolvers, pistols, rifles, guns, and ammunition. Smith & Wesson. No. 95,164; Feb. 3; Gaz. vol. 199; p. 300.
- Rheumatism, neuralgia, sprains, wrenches. Schwarzenbach Bros. No. 101,333; Nov. 24; Gaz. vol. 208; p. 1353.
- Rheumatism specific and medicinal tonic. Rhu-Lum-Gou Co. No. 100,889; Oct. 27; Gaz. vol. 207; p. 1245.
- Ribbon and silk piece goods, Silk. Phoenix Silk Mfg. Co. No. 100,610; Oct. 20; Gaz. vol. 207; p. 930.
- Ribbon, Satin. The Fair. No. 100,303; Oct. 20; Gaz. vol. 207; p. 921.
- Ribbon, Velvet. Rusch & Co. No. 94,943; Jan. 13; Gaz. vol. 198; p. 491.
- Ribbon, Velvet. Rusch & Co. No. 95,785; Mar. 10; Gaz. vol. 200; p. 578.
- Ribbons. B. Altman & Co. Nos. 98,730-1; Aug. 4; Gaz. vol. 205; p. 297.
- Ribbons. The Nonotuck Silk Company. No. 100,388; Oct. 20; Gaz. vol. 207; p. 923.
- Rice. B. Fischer & Co. No. 96,799; May 5; Gaz. vol. 202; p. 310.
- Rice. Otto L. Kuehn Co. No. 99,225; Aug. 25; Gaz. vol. 205; p. 1316.
- Rice. J. C. McMichael. No. 97,629; June 16; Gaz. vol. 203; p. 920.
- Rice. North American Mercantile Co. No. 100,876; Oct. 27; Gaz. vol. 207; p. 1245.
- Rice. Northwest Rice Milling Co. No. 97,641; June 16; Gaz. vol. 203; p. 920.

Alphabetical list of trade-marks—Continued.

- Rifles, pistols, and cartridges. Savage Arms Company. No. 100,629; Oct. 20; Gaz. vol. 207; p. 930.
- Rings, Finger-. M. F. Bixler. No. 97,035; May 19; Gaz. vol. 202; p. 945.
- Rings, Finger-. Eisenstadt Manufacturing Company. No. 101,569; Dec. 29; Gaz. vol. 209; p. 1687.
- Roach and vermin powder. I. Sklamberg. No. 98,826; Aug. 4; Gaz. vol. 205; p. 309.
- Roach-powder. Miles Manufacturing Co. No. 97,494; June 9; Gaz. vol. 203; p. 596.
- Robes, blouses, gowns, jackets, hats, &c. Florette. No. 96,579; Apr. 21; Gaz. vol. 201; p. 900.
- Rock, coal, &c., Machinery for making incisions or cuts in. Jeffrey Manufacturing Company. No. 101,466; Dec. 15; Gaz. vol. 209; p. 1049.
- Rock-crushers, bin-jacks, and street-sweeping machines. Universal Road Machinery Co. No. 95,855; Mar. 17; Gaz. vol. 200; p. 854.
- Rodent, &c., destruction compound, Chemical. H. F. Dugan. No. 99,860; Sept. 22; Gaz. vol. 206; p. 1157.
- Rodent-exterminator. V. B. Cunningham. No. 96,870; May 5; Gaz. vol. 202; p. 312.
- Rodent-exterminators. John G. Norgall Exterminating Company. No. 97,723; June 16; Gaz. vol. 203; p. 923.
- Rompers and overalls, Children's. Shaw & Howard. No. 97,281; May 26; Gaz. vol. 202; p. 1255.
- Roof compounds, Plastic. The Master Builders Company. No. 96,701; Apr. 28; Gaz. vol. 201; p. 1215.
- Roofing and shingles and wall and plaster boards, Asphalt. C. S. Waldo. No. 97,739; June 16; Gaz. vol. 203; p. 923.
- Roofing and siding, Composition. The Philip Carey Manufacturing Company. No. 98,247; July 7; Gaz. vol. 204; p. 313.
- Roofing, Composition. The Texas Company. No. 97,571; June 9; Gaz. vol. 203; p. 598.
- Roofing, Composition felt. The Texas Company. No. 100,446; Oct. 20; Gaz. vol. 207; p. 925.
- Roofing-felt. D. S. Walton & Co. No. 98,103; June 30; Gaz. vol. 203; p. 1554.
- Roofing felt and paper. Pierce Hardware Company. No. 100,612; Oct. 20; Gaz. vol. 207; p. 930.
- Roofing material, Bituminous. Barrett Manufacturing Company. No. 97,521; June 9; Gaz. vol. 203; p. 597.
- Roofing, Prepared sheet-. Driscoll Bro's & Co. No. 98,374; July 14; Gaz. vol. 204; p. 669.
- Roofing, roof-coating, &c., Certain named. The Texas Company. No. 99,130; Aug. 18; Gaz. vol. 205; p. 1016.
- Roofing, Sheet-metal. The Cincinnati Sheet Metal & Roofing Co. No. 95,522; Feb. 24; Gaz. vol. 199; p. 1239.
- Roofings, Flexible prepared. Standard Paint Company. No. 95,572; Feb. 24; Gaz. vol. 199; p. 1241.
- Roofings, Prepared. Barrett Manufacturing Company. No. 95,865; Mar. 24; Gaz. vol. 200; p. 1109.
- Roofings, Prepared. Barrett Manufacturing Company. No. 99,271; Aug. 25; Gaz. vol. 205; p. 1317.
- Roofings, Prepared. Barrett Manufacturing Company. Nos. 100,246-8; Oct. 20; Gaz. vol. 207; p. 919.
- Roofings, Prepared. Standard Paint Company. Nos. 97,010-12; May 12; Gaz. vol. 202; p. 629.
- Roofings, Prepared. Standard Paint Company. No. 97,288; May 26; Gaz. vol. 202; p. 1255.
- Roofings, Prepared. Standard Paint Company. Nos. 97,449-50; June 2; Gaz. vol. 203; p. 301.
- Rope. Columbian Rope Company. No. 98,364; July 14; Gaz. vol. 204; p. 669.
- Rope and twine. Plymouth Cordage Company. No. 95,144; Feb. 3; Gaz. vol. 199; p. 300.
- Rosaries. The H. M. H. Company. No. 98,771; Aug. 4; Gaz. vol. 205; p. 298.
- Rouge. M. Monin. Nos. 96,981-2; May 12; Gaz. vol. 202; p. 628.
- Rouge and face-powder. The Owl Drug Company. No. 99,399; Aug. 25; Gaz. vol. 205; p. 1321.
- Rouge, face and toilet powders. M. Monin. No. 95,551; Feb. 24; Gaz. vol. 199; p. 1240.
- Rouge, nail tint, enamel, and powder, nerve and blood tonic, &c. Goodrich Drug Co. No. 96,508; Apr. 21; Gaz. vol. 201; p. 893.
- Rouge, Toilet. J. F. Dorrance. No. 99,385; Aug. 25; Gaz. vol. 205; p. 1321.
- Rubber adhesive patches for rubber, leather, &c. The Eagle Kant-Slip Patch Co. No. 101,140; Nov. 17; Gaz. vol. 208; p. 979.
- Rubber and duck packing. Essex Rubber Company. No. 99,715; Sept. 15; Gaz. vol. 206; p. 870.
- Rubber bathing-caps. Parker, Stearns & Company. No. 97,779; June 16; Gaz. vol. 203; p. 924.
- Rubber belting and hose. W. S. Nott Company. No. 95,135; Feb. 3; Gaz. vol. 199; p. 300.
- Rubber belting, hose, vehicle-tires, &c. The Santo Rubber Co. No. 101,218; Nov. 17; Gaz. vol. 208; p. 982.
- Rubber belting, rubber-fabric and metallic hose, packing. H. W. Johns-Manville Co. No. 101,467; Dec. 15; Gaz. vol. 209; p. 1050.
- Rubber belting, vehicle-tires, packing, &c. The Santo Rubber Co. No. 101,219; Nov. 17; Gaz. vol. 208; p. 982.
- Rubber boots and shoes. Apsley Rubber Co. No. 99,416; Sept. 1; Gaz. vol. 206; p. 307.
- Rubber boots and shoes. Boston Rubber Shoe Company. No. 94,873; Jan. 13; Gaz. vol. 198; p. 489.
- Rubber boots and shoes. The B. F. Goodrich Company. No. 95,540; Feb. 24; Gaz. vol. 199; p. 1240.
- Rubber boots and shoes. Goodyear's India Rubber Glove Mfg. Co. No. 99,301; Aug. 25; Gaz. vol. 205; p. 1318.
- Rubber boots and shoes. Lambertville Rubber Company. No. 95,834; Mar. 17; Gaz. vol. 200; p. 853.
- Rubber boots and shoes. Woonsocket Rubber Company. No. 99,674; Sept. 8; Gaz. vol. 206; p. 587.
- Rubber boots and shoes and rubber-soled shoes. Hood Rubber Company. No. 99,589; Sept. 8; Gaz. vol. 206; p. 584.
- Rubber boots, shoes, and heels. United States Rubber Company. No. 96,370; Apr. 14; Gaz. vol. 201; p. 567.
- Rubber boots, shoes, overshoes, &c. The Beacon Falls Rubber Shoe Company. No. 95,389; Feb. 17; Gaz. vol. 199; p. 933.
- Rubber boots, shoes, overshoes, &c. Hood Rubber Company. No. 96,887; May 5; Gaz. vol. 202; p. 312.
- Rubber boots, shoes, overshoes, sandals, &c. The Beacon Falls Rubber Shoe Company. No. 97,463; June 9; Gaz. vol. 203; p. 595.
- Rubber bulbs. The De Vilbiss Manufacturing Company. No. 99,439; Sept. 1; Gaz. vol. 206; p. 307.
- Rubber cleaning and softening compound. The Resilia Corporation. No. 99,121; Aug. 18; Gaz. vol. 205; p. 1016.
- Rubber coats. Maryland Rubber Company. No. 100,369; Oct. 20; Gaz. vol. 207; p. 923.
- Rubber coats, boots, and shoes. Apsley Rubber Company. No. 96,561; Apr. 21; Gaz. vol. 201; p. 900.
- Rubber-coloring chemical. H. Voss. No. 95,271; Feb. 3; Gaz. vol. 199; p. 303.
- Rubber composition, India-. The High Pressure Cellular Rubber Syndicate. No. 95,620; Mar. 3; Gaz. vol. 200; p. 274.
- Rubber erasers. A. W. Faber. No. 96,404; Apr. 21; Gaz. vol. 201; p. 895.
- Rubber erasers. J. S. Rapson. No. 98,318; July 7; Gaz. vol. 204; p. 315.
- Rubber gloves and mittens. The Seamless Rubber Company. No. 97,279; May 26; Gaz. vol. 202; p. 1255.
- Rubber goods, Certain named. United Drug Company. Nos. 97,376-8; June 2; Gaz. vol. 203; p. 299.
- Rubber goods, Surgical. L. Bertram. No. 100,491; Oct. 20; Gaz. vol. 207; p. 926.
- Rubber heel-pads and tips for boots and shoes. Phillips Patents. No. 99,117; Aug. 18; Gaz. vol. 205; p. 1016.
- Rubber heels. Lamont, Corliss & Company. No. 95,325; Feb. 10; Gaz. vol. 199; p. 612.
- Rubber heels for boots and shoes. Revere Rubber Company. No. 96,338; Apr. 14; Gaz. vol. 201; p. 566.
- Rubber hose. C. A. Daniel. No. 97,405; June 2; Gaz. vol. 203; p. 300.
- Rubber hose. Goodyear Rubber Co. No. 96,962; May 12; Gaz. vol. 202; p. 628.
- Rubber hot-water bottles and fountain-syringe bags. The B. F. Goodrich Company. No. 100,321; Oct. 20; Gaz. vol. 207; p. 921.
- Rubber ice-bags. Julius Schmid, Inc. No. 100,434; Oct. 20; Gaz. vol. 207; p. 925.
- Rubber jar-rings. Wulffing Grocer Company. No. 97,024; May 12; Gaz. vol. 202; p. 629.
- Rubber manufacture, Certain named products of. W. B. Shelp. No. 98,575; July 21; Gaz. vol. 204; p. 1008.
- Rubber mats and matting. The Toronto Rubber Co. No. 101,235; Nov. 17; Gaz. vol. 208; p. 982.
- Rubber packing for machinery. The Goodyear Tire and Rubber Company. No. 101,515; Dec. 22; Gaz. vol. 209; p. 1313.
- Rubber-preservatives. C. P. Chisholm. No. 94,802; Jan. 6; Gaz. vol. 198; p. 235.
- Rubber-products preservative. J. M. Munyon, Jr. No. 99,060; Aug. 11; Gaz. vol. 205; p. 659.
- Rubber putty for repairing rubber articles. W. A. Rockrohr. No. 100,418; Oct. 20; Gaz. vol. 207; p. 924.
- Rubber roof-cement, Elastic. The Estate of J. G. Hetzel. No. 98,519; July 21; Gaz. vol. 204; p. 1007.
- Rubber sheet-packing. Essex Rubber Company. No. 99,713; Sept. 15; Gaz. vol. 206; p. 870.
- Rubber sheet-packing. Essex Rubber Company. No. 99,917; Sept. 15; Gaz. vol. 206; p. 870.
- Rubber sheet-packing and round gasket-tubing. Essex Rubber Company. No. 99,720; Sept. 15; Gaz. vol. 206; p. 870.
- Rubber soles for boots and shoes. Revere Rubber Company. No. 99,632; Sept. 8; Gaz. vol. 206; p. 586.
- Rubber tennis and hand balls. Paramount Rubber Co. No. 98,082; June 30; Gaz. vol. 203; p. 1553.
- Rubber tubing and hose, belting, and machinery packing. J. W. Buckley Rubber Co. No. 97,818; June 23; Gaz. vol. 203; p. 1255.
- Rubber tubing, rubber, &c., hose, and belting. J. W. Buckley Rubber Co. No. 95,055; Feb. 3; Gaz. vol. 199; p. 297.
- Rubber vaginal douche. G. W. Frazier. No. 98,380; July 14; Gaz. vol. 204; p. 870.
- Rubber water-bottles, syringes, and ice-caps. Rubber Sundries Company. No. 99,646; Sept. 8; Gaz. vol. 206; p. 586.

Alphabetical list of trade-marks—Continued.

- Rubberized fabrics. Rosenwald & Well. No. 98,817; Aug. 4; Gaz. vol. 205; p. 299.
- Rubbing-stone. Eureka Rubbing Stone Company. No. 101,094; Nov. 10; Gaz. vol. 208; p. 653.
- Rugs. Donegal Motor Rug Co. No. 100,295; Oct. 20; Gaz. vol. 207; p. 921.
- Rugs and druggets. J. Wittmann. No. 97,581; June 9; Gaz. vol. 203; p. 598.
- Rugs and textile bath-mats, Cotton. Beacon Manufacturing Co. No. 99,538; Sept. 8; Gaz. vol. 206; p. 583.
- Rugs, Grass. Waite Grass Carpet Co. No. 100,458; Oct. 20; Gaz. vol. 207; p. 925.
- Rugs, mats and carpets, Textile. Stephen Sanford & Sons. No. 96,193; Apr. 7; Gaz. vol. 201; p. 264.
- Rugs, mats and carpets, Textile. Stephen Sanford & Sons. No. 97,362; June 2; Gaz. vol. 203; p. 298.
- Rugs, Steamer-. Beacon Manufacturing Co. No. 100,486; Oct. 20; Gaz. vol. 207; p. 926.
- Rugs, Textile. R. H. Macy & Co. No. 98,879; Aug. 4; Gaz. vol. 205; p. 301.
- Rugs, Textile. McCleary, Wallin & Crouse. No. 97,871; June 23; Gaz. vol. 203; p. 1257.
- Rulers. C. E. Cochrane. No. 94,803; Jan. 6; Gaz. vol. 198; p. 235.
- Rulers, Architects'. H. R. Mainzer. No. 95,002; Jan. 20; Gaz. vol. 198; p. 700.
- Rules, Folding. Wiebusch & Hilger. No. 100,937; Oct. 27; Gaz. vol. 207; p. 1247.
- Rules, measuring-calipers, micrometers, &c., Slide-. E. Weber. No. 96,764; Apr. 28; Gaz. vol. 201; p. 1217.
- Rum. E. Aldabé. No. 98,612; July 28; Gaz. vol. 204; p. 1339.
- Rum. Charles Kinloch & Company. No. 98,785; Aug. 4; Gaz. vol. 205; p. 298.
- Rusks. Holland Rusk Company. No. 96,135; Apr. 7; Gaz. vol. 201; p. 262.
- Sad-irons and supports therefor, Gas-heated. M. Sunshine. No. 98,333; July 7; Gaz. vol. 204; p. 315.
- Safes and parts thereof, Wall-. The Lowrie Safe and Lock Company. No. 95,452; Feb. 17; Gaz. vol. 199; p. 935.
- Safes, Fireproof. Fire Proof Book and Stationery Co. No. 98,379; July 14; Gaz. vol. 204; p. 670.
- Safety-pins. Consolidated Safety Pin Co. No. 99,083; Aug. 18; Gaz. vol. 205; p. 1015.
- Salad-dressings. M. A. Meier. No. 100,582; Oct. 20; Gaz. vol. 207; p. 929.
- Salmon. The J. K. Armsby Co. No. 96,082; Apr. 7; Gaz. vol. 201; p. 261.
- Salt. The Barton Salt Company. No. 97,668; June 16; Gaz. vol. 203; p. 921.
- Salt. The Carey Salt Co. No. 96,489; Apr. 21; Gaz. vol. 201; p. 898.
- Salt. The Cleveland Salt Company. No. 99,848; Sept. 22; Gaz. vol. 206; p. 1157.
- Salt. J. Feldwisch. No. 100,534; Oct. 20; Gaz. vol. 207; p. 928.
- Salt. Michigan Salt Works. No. 97,340; June 2; Gaz. vol. 203; p. 298.
- Salt. The Saginaw Plate Glass Company. No. 94,833; Jan. 6; Gaz. vol. 198; p. 236.
- Salt. The Union Salt Company. Nos. 100,653-5; Oct. 20; Gaz. vol. 207; p. 931.
- Salt and baking-powder. J. K. Armsby Co. No. 101,439; Dec. 15; Gaz. vol. 209; p. 1049.
- Salt, Bathing-. Worcester Salt Co. No. 100,684; Oct. 20; Gaz. vol. 207; p. 932.
- Salt, laundry starch, ammonia, and bluing. Stone-Ordean-Wells Company. No. 95,021; Jan. 20; Gaz. vol. 198; p. 700.
- Salt, Table-. Petit Salt Company. No. 101,199; Nov. 17; Gaz. vol. 208; p. 981.
- Salt, Table-. San Francisco Salt Refinery. Nos. 95,786-7; Mar. 10; Gaz. vol. 200; p. 578.
- Salts, antiseptic tablets, ointment, &c., Sprudel. H. W. Faber. No. 101,144; Nov. 17; Gaz. vol. 208; p. 979.
- Salts, Galvanizing-. Hanson & Van Winkle Company. No. 101,160; Nov. 17; Gaz. vol. 208; p. 980.
- Salts, Nickel. The Hanson & Van Winkle Company. No. 100,324; Oct. 20; Gaz. vol. 207; p. 921.
- Salts, toilet powders, &c., Aromatic. Morny Freres. No. 99,485; Sept. 1; Gaz. vol. 206; p. 309.
- Salts wafers, Cathartic-. Webster Chemical Company. No. 96,475; Apr. 21; Gaz. vol. 201; p. 897.
- Salve. A. J. Bates. No. 98,996; Aug. 11; Gaz. vol. 205; p. 657.
- Salve. A. J. Detwiler. No. 95,407; Feb. 17; Gaz. vol. 199; p. 933.
- Salve. M. M. Duebendorf. No. 98,135; July 7; Gaz. vol. 204; p. 309.
- Salve. B. E. Fogle. No. 97,832; June 23; Gaz. vol. 203; p. 1256.
- Salve. Gwin and Mays Drug Co. No. 100,975; Nov. 3; Gaz. vol. 208; p. 334.
- Salve. E. B. Kelley. No. 96,890; May 5; Gaz. vol. 202; p. 312.
- Salve. A. Lehmann. No. 98,791; Aug. 4; Gaz. vol. 205; p. 298.
- Salve. M. A. Leiblinger. No. 100,361; Oct. 20; Gaz. vol. 207; p. 923.
- Salve. H. H. and H. R. McGeary. No. 101,074; Nov. 10; Gaz. vol. 208; p. 652.
- Salve. Pyrography Art Company. No. 98,966; Aug. 11; Gaz. vol. 205; p. 656.
- Salve. G. F. Smith. No. 98,323; July 7; Gaz. vol. 204; p. 315.
- Salve. The Vick Chemical Co. No. 100,455; Oct. 20; Gaz. vol. 207; p. 925.
- Salve. Vaughn Medicine Co. No. 97,515; June 9; Gaz. vol. 203; p. 596.
- Salve, Foot-. A. M. Pennock. No. 94,927; Jan. 13; Gaz. vol. 198; p. 491.
- Salve for treatment of diseases of respiratory tract. E. S. Schweitzer. No. 100,165; Oct. 6; Gaz. vol. 207; p. 295.
- Salve, Herb. B. Hendel. No. 98,518; July 21; Gaz. vol. 204; p. 1007.
- Salve, Medicated. J. E. Guess. No. 98,770; Aug. 4; Gaz. vol. 205; p. 298.
- Salve, Medicated. W. A. Welliver. No. 99,409; Aug. 25; Gaz. vol. 205; p. 1321.
- Salve, Medicinal. D. Studebaker. No. 101,341; Nov. 24; Gaz. vol. 208; p. 1353.
- Salve or poultice, Radio-active. The Colorado Radium Products Company. No. 101,135; Nov. 17; Gaz. vol. 208; p. 979.
- Salve, Rupture-. D'Hondt Manufacturing Co. No. 95,998; Mar. 31; Gaz. vol. 200; p. 1386.
- Salves. E. Bayer. No. 95,734; Mar. 10; Gaz. vol. 200; p. 577.
- Salves. G. Fisher. No. 96,120; Apr. 7; Gaz. vol. 201; p. 262.
- Salves. C. N. Holmes. No. 98,779; Aug. 4; Gaz. vol. 205; p. 298.
- Salves. J. and M. Savage. No. 97,364; June 2; Gaz. vol. 203; p. 298.
- Salves and powders, Foot. Backes & Ferguson. No. 95,730; Mar. 10; Gaz. vol. 200; p. 577.
- Salves, corn paint and plaster, Arnica and carbolic. Consolidated Drug Co. No. 99,557; Sept. 8; Gaz. vol. 206; p. 583.
- Salves for certain named ailments. Men-Tho-Magic Co. No. 100,584; Oct. 20; Gaz. vol. 207; p. 929.
- Salves, ointments, liniments, and tooth-soap. C. M. Stein. No. 100,906; Oct. 27; Gaz. vol. 207; p. 1246.
- Sanitary napkins. M. Theobald. No. 96,366; Apr. 14; Gaz. vol. 201; p. 567.
- Sanitary napkins or surgical bandages. S. H. Shoninger. No. 100,437; Oct. 20; Gaz. vol. 207; p. 925.
- Sanitary shields. Sprague Sanitary Shield Co. No. 100,639; Oct. 20; Gaz. vol. 207; p. 931.
- Sardines. Armour & Company. No. 100,479; Oct. 20; Gaz. vol. 207; p. 926.
- Sardines. Menzel & Co. No. 98,305; July 7; Gaz. vol. 204; p. 314.
- Sardines. Menzel & Co. No. 98,547; July 21; Gaz. vol. 204; p. 1008.
- Sardines. The Sunset Packing Company. No. 98,588; July 21; Gaz. vol. 204; p. 1009.
- Sarsaparilla. Lanman & Kemp. No. 100,565; Oct. 20; Gaz. vol. 207; p. 929.
- Sash-balances. Pullman Mfg. Company. No. 100,154; Oct. 6; Gaz. vol. 207; p. 295.
- Sash locks and lifts, door hangers and pulls, &c. Allith-Prouty Company. No. 98,849; Aug. 4; Gaz. vol. 205; p. 300.
- Sash, Metallic. Detroit Steel Products Co. No. 99,288; Aug. 25; Gaz. vol. 205; p. 1318.
- Sauce for oysters, shell-fish, salad-dressings, and food-stuffs. F. Reusser. No. 99,242; Aug. 25; Gaz. vol. 205; p. 1316.
- Sauce in bottles. P. Steet. No. 100,175; Oct. 6; Gaz. vol. 207; p. 296.
- Sauces and canned fruits and vegetables. J. F. Pyle & Son. No. 99,360; Aug. 25; Gaz. vol. 205; p. 1320.
- Sauces and canned fruits and vegetables. J. F. Pyle & Son. No. 100,886; Oct. 27; Gaz. vol. 207; p. 1245.
- Sauer-kraut. Libby, McNeill & Libby. No. 101,583; Dec. 29; Gaz. vol. 209; p. 1687.
- Sausage. L. Frank & Son Company. No. 100,795; Oct. 27; Gaz. vol. 207; p. 1242.
- Sausage-binder. B. Levi & Co. No. 100,215; Oct. 13; Gaz. vol. 207; p. 605.
- Sausage-casings. Oppenheimer Casing Co. No. 101,196; Nov. 17; Gaz. vol. 208; p. 981.
- Sausages. Indianapolis Abattoir Company. No. 95,431; Feb. 17; Gaz. vol. 199; p. 934.
- Sausages, Pork breakfast-. L. Frank & Son Company. No. 97,965; June 30; Gaz. vol. 203; p. 1550.
- Saw and sharpening machines. O. V. Hooker & Son. No. 101,390; Dec. 8; Gaz. vol. 209; p. 680.
- Saws. Alston Saw & Steel Company. No. 97,106; May 14; Gaz. vol. 202; p. 947.
- Saws. E. C. Atkins & Company. No. 99,680; Sept. 15; Gaz. vol. 206; p. 869.
- Saws. Henry Disston & Sons. Nos. 95,071-7; Feb. 3; Gaz. vol. 199; p. 298.
- Saws. Henry Disston & Sons. No. 95,608; Mar. 3; Gaz. vol. 200; p. 273.
- Saws. Henry Disston & Sons. No. 101,458; Dec. 15; Gaz. vol. 209; p. 1049.

Alphabetical list of trade-marks—Continued.

- Saws. Simonds Manufacturing Company. No. 100,897; Oct. 27; Gaz. vol. 207; p. 1245.
- Saws and band-saw strips, Band-. Société Anonyme des Anciens Etablissements Panhard & Levassor. No. 95,677; Mar. 3; Gaz. vol. 200; p. 275.
- Saws and machine-knives. Simonds Manufacturing Company. No. 99,027; Aug. 11; Gaz. vol. 205; p. 658.
- Saws and saw-blades. R. Röntgen. No. 98,568; July 21; Gaz. vol. 204; p. 1008.
- Saws, hatchets, axes, &c. Boetticher & Kellogg Co. No. 98,123; July 7; Gaz. vol. 204; p. 309.
- Scale, &c., from iron and steel products, Compound for removing. R. J. Watters Co. No. 100,928; Oct. 27; Gaz. vol. 207; p. 1246.
- Scales. The Avery Scale Co. No. 95,388; Feb. 17; Gaz. vol. 199; p. 933.
- Scales, weighing machinery, &c. The Standard Scale & Supply Company. No. 100,905; Oct. 27; Gaz. vol. 207; p. 1246.
- Scalp-salves and hair-restoring applications. J. Bloch. No. 100,950; Nov. 3; Gaz. vol. 208; p. 333.
- Scalp-tonic. M. G. Brock. No. 100,090; Oct. 6; Gaz. vol. 207; p. 293.
- Scientific appliances and supplies therefor, Certain named. Compagnie Générale des Etablissements Pathé Frères, Phonographe et Cinématographe. No. 99,281; Aug. 25; Gaz. vol. 205; p. 1317.
- Scissors and shears. Clayton Bros. No. 98,129; July 7; Gaz. vol. 204; p. 309.
- Scissors and shears. The Acme Shear Company. No. 101,352; Dec. 8; Gaz. vol. 209; p. 679.
- Scissors, shears, razors, &c. H. Béligné. No. 100,488; Oct. 20; Gaz. vol. 207; p. 926.
- Scissors, shears, steel ink-erasers, corkscrews, &c. Tower Manufacturing & Novelty Co. No. 97,188; May 19; Gaz. vol. 202; p. 950.
- Screening devices and separators. The Williams & Daly Company. No. 100,939; Oct. 27; Gaz. vol. 207; p. 1247.
- Screens for magic lantern or moving picture projection. Atsco, Incorporated. No. 101,264; Nov. 24; Gaz. vol. 208; p. 1351.
- Screw-drivers, ripping-knives, burnishers, &c. F. E. Harding. No. 100,976; Nov. 3; Gaz. vol. 208; p. 334.
- Screw-fixing plugs. Rawlings Bros. No. 100,724; Oct. 20; Gaz. vol. 207; p. 933.
- Screw-machines, Automatic multiple-spindle. The National-Acme Manufacturing Company. No. 96,318; Apr. 14; Gaz. vol. 201; p. 566.
- Screws, Jack-. Illinois Iron & Bolt Co. No. 96,888; May 5; Gaz. vol. 202; p. 312.
- Screws, Wood-. Continental Wood Screw Company. No. 94,985; Jan. 20; Gaz. vol. 198; p. 699.
- Seed and fertilizer mixture. The Kalaka Company. No. 99,218; Aug. 25; Gaz. vol. 205; p. 1316.
- Seed, Clover-. The Churchill Grain & Seed Company. No. 96,784; May 5; Gaz. vol. 202; p. 309.
- Seed, Field and garden. M. J. Yopp Seed Co. No. 96,380; Apr. 14; Gaz. vol. 201; p. 567.
- Seeds. Crenshaw Bros. Seed Co. No. 97,402; June 2; Gaz. vol. 203; p. 300.
- Seeds. Springfield Seed Company. No. 98,581; July 21; Gaz. vol. 204; p. 1009.
- Seeds. The Stanford Seed Company. No. 96,730; Apr. 28; Gaz. vol. 201; p. 1216.
- Seeds. Weeber & Don. No. 99,824; Sept. 15; Gaz. vol. 206; p. 873.
- Seeds, Alsike, alfalfa, lawn, &c. Whitney-Eckstein Seed Co. No. 98,604; July 21; Gaz. vol. 204; p. 1009.
- Seeds, bulbs, plants, &c. Gt. van Waveren & Kruijff. No. 100,667; Oct. 20; Gaz. vol. 207; p. 932.
- Seeds, Certain named. Courteen Seed Company. Nos. 99,434-5; Sept. 1; Gaz. vol. 206; p. 307.
- Seeds, Certain named. A. E. Shultz. No. 96,354; Apr. 14; Gaz. vol. 201; p. 567.
- Seeds, Certain named. A. E. Shultz. No. 98,825; Aug. 4; Gaz. vol. 205; p. 300.
- Seeds, Garden, flower, grass, &c. The Barteldes Seed Company. No. 95,288; Feb. 10; Gaz. vol. 199; p. 611.
- Seeds, Grass-. D. I. Bushnell & Co. No. 98,747; Aug. 4; Gaz. vol. 205; p. 297.
- Seeds, Grass and field. The Luther Burbank Company. No. 96,780; May 5; Gaz. vol. 202; p. 309.
- Seeds, Grass and field. L. Teweles & Co. Nos. 96,733-5; Apr. 28; Gaz. vol. 201; p. 1216.
- Seeds, Grass and field. L. Teweles & Co. No. 97,015; May 12; Gaz. vol. 202; p. 629.
- Seeds, Grass, field, and agricultural. E. W. Conklin & Son. No. 101,136; Nov. 17; Gaz. vol. 208; p. 979.
- Seeds, Grass, field, and agricultural. E. W. Conklin & Son. No. 101,367; Dec. 8; Gaz. vol. 209; p. 679.
- Seeds, seed grain and corn, Clover, alsike, &c. Whitney-Eckstein Seed Co. No. 97,023; May 12; Gaz. vol. 202; p. 629.
- Seeder and grain-drill points and planter-shoes. Crescent Forge & Shovel Co. No. 97,042; May 19; Gaz. vol. 202; p. 945.
- Seeding machinery and grain-drills. G. M. Winwood, Jr. No. 96,215; Apr. 7; Gaz. vol. 201; p. 265.
- Seersuckers, gingham, zephyrs, and flannels. Aurora Cotton Mills. No. 95,196; Feb. 3; Gaz. vol. 199; p. 301.
- Serges, chevils, coatings, &c. M. Fisher, Sons & Co. No. 101,040; Nov. 10; Gaz. vol. 208; p. 651.
- Serums and vaccines for lung diseases and for hog-cholera. A. Bruschettini. No. 99,380; Aug. 25; Gaz. vol. 205; p. 1320.
- Sewer-gas traps. Detroit Sanitary Supply Company. No. 99,441; Sept. 1; Gaz. vol. 206; p. 307.
- Sewing-machines and parts. H. Mundlos & Co. No. 100,015; Sept. 29; Gaz. vol. 206; p. 1433.
- Sewing-machines and parts. Willcox & Gibbs Sewing Machine Co. No. 98,227; July 7; Gaz. vol. 204; p. 312.
- Sewing-machines and parts thereof. Bielefelder Nähmaschinen-Fabrik Baer & Rempel. No. 97,750; June 16; Gaz. vol. 203; p. 923.
- Sewing-machines and parts thereof. Biesolt & Locke, Meissner Nähmaschinenfabrik. No. 97,310; June 2; Gaz. vol. 203; p. 297.
- Sewing-machines and parts thereof. Biesolt & Locke, Meissner Nähmaschinen-Fabrik. Nos. 97,807-8; June 23; Gaz. vol. 203; p. 1255.
- Sewing-machines and parts thereof. Clemens Müller, Gesellschaft mit beschränkter Haftung. No. 97,122; May 19; Gaz. vol. 202; p. 947.
- Sewing-machines and parts thereof. H. Mundlos & Co., Nähmaschinen-Fabrik. No. 97,165; May 19; Gaz. vol. 202; p. 949.
- Shades and furniture-screens, Porch-. Raymond Porch Shade Company. No. 95,662; Mar. 3; Gaz. vol. 200; p. 275.
- Shades, Window-. T. M. James & Co. No. 100,338; Oct. 20; Gaz. vol. 207; p. 922.
- Shampoo cream, Mentholated egg-. E. A. McGinnis. No. 101,075; Nov. 10; Gaz. vol. 208; p. 652.
- Shampoo, Head-. Seelye-Myers Co. No. 98,984; Aug. 11; Gaz. vol. 205; p. 657.
- Shampoo preparation. The American Therox Co. No. 100,945; Nov. 3; Gaz. vol. 208; p. 333.
- Shampoo preparation, toilet powders and creams. C. H. Borwick. No. 95,981; Mar. 31; Gaz. vol. 200; p. 1385.
- Shampoo-tonic. L. C. Blum. No. 96,859; May 5; Gaz. vol. 202; p. 311.
- Shampooing preparations. Ramsdell Drug Company. No. 101,203; Nov. 17; Gaz. vol. 208; p. 981.
- Shears and snips. National Cutlery Co. No. 101,314; Nov. 24; Gaz. vol. 208; p. 1352.
- Shears, scissors, razors, and pocket-knives. S. R. Droesch. No. 96,001; Mar. 31; Gaz. vol. 200; p. 1386.
- Shears, seaming-machines, soldering-irons, &c., Tinsmiths'. Lyon, Conklin & Co. No. 101,297; Nov. 24; Gaz. vol. 208; p. 1352.
- Sheet material. Elastic transparent. G. M. Browning. No. 95,595; Mar. 3; Gaz. vol. 200; p. 273.
- Sheet-metal articles, Certain named. Hero Manufacturing Co. No. 96,290; Apr. 14; Gaz. vol. 201; p. 565.
- Sheet metals and certain coatings therefor. National Sheet Metal Co. No. 97,347; June 2; Gaz. vol. 203; p. 298.
- Sheets. Naumkeag Steam Cotton Co. No. 101,080; Nov. 10; Gaz. vol. 208; p. 652.
- Sheets and pillow-cases. Naumkeag Steam Cotton Co. No. 94,923; Jan. 13; Gaz. vol. 198; p. 491.
- Sheetings, Bleached and unbleached. Wheeler & Motter Mercantile Company. Nos. 100,934-5; Oct. 27; Gaz. vol. 207; p. 1246.
- Sheetings, Cotton. Edson, Moore & Co. No. 97,221; May 26; Gaz. vol. 202; p. 1253.
- Shelf-brackets, Wrought-steel. The Stanley Works. No. 98,432; July 14; Gaz. vol. 204; p. 671.
- Shellac and resins, paint-oils, paints, &c., Solvents for. United States Gutta Percha Paint Company. No. 96,614; Apr. 21; Gaz. vol. 201; p. 901.
- Shields and bolts, screws, screw-anchors, &c., Expansion. Diamond Expansion Bolt Co. No. 95,999; Mar. 31; Gaz. vol. 200; p. 1386.
- Shingles. W. G. Tilghman. No. 95,575; Feb. 24; Gaz. vol. 199; p. 1241.
- Shingles. W. G. Tilghman. No. 96,367; Apr. 14; Gaz. vol. 201; p. 567.
- Ship-propellers. Hyde Windlass Co. No. 97,580; June 9; Gaz. vol. 203; p. 598.
- Shipping-crates. L. Wharton. No. 97,579; June 9; Gaz. vol. 203; p. 598.
- Shirt-waists. B. N. Frank. No. 100,317; Oct. 20; Gaz. vol. 207; p. 921.
- Shirt-waists and dresses. The L. N. Gross Company. No. 97,050; May 19; Gaz. vol. 202; p. 945.
- Shirt-waists, Ladies'. The Aero Waist Co. No. 97,744; June 16; Gaz. vol. 203; p. 923.
- Shirts. Abrams & Marcus. No. 100,473; Oct. 20; Gaz. vol. 207; p. 926.
- Shirts. Abrams & Marcus. No. 100,575; Oct. 20; Gaz. vol. 207; p. 929.
- Shirts. Burnham-Munger-Root Dry Goods Co. No. 100,500; Oct. 20; Gaz. vol. 207; p. 927.
- Shirts. Carson, Pirie, Scott & Co. No. 97,120; May 19; Gaz. vol. 202; p. 947.
- Shirts. Cohn & Deutsch. No. 96,570; Apr. 21; Gaz. vol. 201; p. 900.
- Shirts. Doyle-Kidd Dry Goods Co. No. 99,004; Aug. 11; Gaz. vol. 205; p. 657.

Alphabetical list of trade-marks—Continued.

- Shirts. H. Gerhardt. No. 98,510; July 21; Gaz. vol. 204; p. 1006.
- Shirts. Goodman, Cohen & Co. No. 98,277; July 7; Gaz. vol. 204; p. 314.
- Shirts. Goodman, Cohen & Co. No. 100,320; Oct. 20; Gaz. vol. 207; p. 921.
- Shirts. W. S. Kohl. No. 97,147; May 19; Gaz. vol. 202; p. 948.
- Shirts. The Pittsburgh Dry Goods Company. No. 97,557; June 9; Gaz. vol. 203; p. 598.
- Shirts and children's rompers, Outer. Red Diamond Clothing Co. No. 101,008; Nov. 3; Gaz. vol. 208; p. 335.
- Shirts and collars. Earl & Wilson. No. 95,205; Feb. 3; Gaz. vol. 199; p. 302.
- Shirts and overalls, Work-. J. E. Hurst & Company. No. 100,707; Oct. 20; Gaz. vol. 207; p. 933.
- Shirts and underwear. The Satis Co. No. 97,174; May 19; Gaz. vol. 202; p. 949.
- Shirts, collars, and pajamas. The Goodman Collar Co. No. 96,582; Apr. 21; Gaz. vol. 201; p. 900.
- Shirts, Dress and negligée. Bob & Baskind. No. 94,871; Jan. 13; Gaz. vol. 198; p. 489.
- Shirts, Dress and negligée. Levinson & Shapiro. No. 97,706; June 16; Gaz. vol. 203; p. 922.
- Shirts, Men's. Colonial Shirt Company. No. 94,804; Jan. 6; Gaz. vol. 198; p. 235.
- Shirts, Men's outer. Carson, Pirie, Scott & Co. No. 98,924; Aug. 11; Gaz. vol. 205; p. 655.
- Shirts, Men's outer. M. Koblenzer & Son. No. 96,306; Apr. 14; Gaz. vol. 201; p. 565.
- Shirts, Men's work and negligée. Goodman, Cohen & Co. No. 100,541; Oct. 20; Gaz. vol. 207; p. 928.
- Shirts, Negligée. New Era Manufacturing Co. No. 94,924; Jan. 13; Gaz. vol. 198; p. 491.
- Shirts, Negligée and dress. Ely & Walker Dry Goods Co. No. 94,893; Jan. 13; Gaz. vol. 198; p. 490.
- Shirts, Negligée and sporting. J. Gerhardt & Co. No. 99,008; Aug. 11; Gaz. vol. 205; p. 657.
- Shirts, Negligée and work. S. Rosenstein & Co. No. 94,941; Jan. 13; Gaz. vol. 198; p. 491.
- Shirts, night-shirts, and pajamas. Oshinsky & Valentine. No. 100,603; Oct. 20; Gaz. vol. 207; p. 930.
- Shirts, night-shirts, and pajamas. C. W. Reynolds Co. No. 100,410; Oct. 20; Gaz. vol. 207; p. 924.
- Shirts, overalls, textile jackets and jumpers. Neely, Harwell & Co. No. 95,932; Mar. 24; Gaz. vol. 200; p. 1111.
- Shirts, pajamas, and nightgowns. Biltmore Shirt, Inc. No. 97,751; June 16; Gaz. vol. 203; p. 923.
- Shirts, undershirts, drawers, &c. Wise Brothers. No. 98,451; July 14; Gaz. vol. 204; p. 672.
- Shirts, undershirts, drawers, and pajamas. Wilson Brothers. No. 99,032; Aug. 11; Gaz. vol. 205; p. 658.
- Shirts, undershirts, pajamas, &c. Mendelson Bros. No. 100,583; Oct. 20; Gaz. vol. 207; p. 929.
- Shirts, underwear, night-shirts, pajamas, collars, and cuffs. Tim & Co. No. 99,129; Aug. 18; Gaz. vol. 205; p. 1016.
- Shirts, Work-. Goshen Shirt Manufacturing Company. No. 96,277; Apr. 14; Gaz. vol. 201; p. 564.
- Shirts, Work-. Reliance Manufacturing Company. Nos. 95,475-6; Feb. 17; Gaz. vol. 199; p. 935.
- Shirts, Work-. Salant & Salant. No. 96,346; Apr. 14; Gaz. vol. 201; p. 566.
- Shirts, Work and negligée. Goodman, Cohen & Co. No. 98,382; July 14; Gaz. vol. 204; p. 670.
- Shirts, Work and negligée. Salant & Salant. No. 98,425; July 14; Gaz. vol. 204; p. 671.
- Shock-absorbers. Coburn, Jasen and Kline. No. 100,507; Oct. 20; Gaz. vol. 207; p. 927.
- Shock-absorbers. Keystone Shock Absorber Co. No. 100,559; Oct. 20; Gaz. vol. 207; p. 928.
- Shock-absorbers. Keystone Spring Works. No. 96,811; May 5; Gaz. vol. 202; p. 310.
- Shock-absorbers. Walker-Moore Manufacturing Co. No. 100,460; Oct. 20; Gaz. vol. 207; p. 925.
- Shock-absorbers for road-vehicles. The K. W. Ignition Company. No. 95,544; Feb. 24; Gaz. vol. 199; p. 1240.
- Shock-absorbers for vehicles. The K-W Ignition Company. No. 100,340; Oct. 20; Gaz. vol. 207; p. 922.
- Shock-absorbing devices. C. H. Foster. No. 98,273; July 7; Gaz. vol. 204; p. 314.
- Shoe, boot, and leather dressings. Jas. S. Mason Co. No. 101,587; Dec. 29; Gaz. vol. 209; p. 1688.
- Shoe buttoners and horns. Regal Shoe Company. No. 95,663; Mar. 3; Gaz. vol. 200; p. 275.
- Shoe cover and vamp stays. Shoe Manufacturers' Supply Company. No. 96,609; Apr. 21; Gaz. vol. 201; p. 901.
- Shoe dressing, White-. J. F. Sullivan. No. 100,646; Oct. 20; Gaz. vol. 207; p. 931.
- Shoe eyelets and lacing-hooks, Celluloid-covered. The Peerless Machinery Company. No. 100,400; Oct. 20; Gaz. vol. 207; p. 924.
- Shoe eyelets, hooks, buttons, buckles, &c. Robert Zinn & Co., Gesellschaft mit beschränkter Haftung. No. 100,690; Oct. 20; Gaz. vol. 207; p. 932.
- Shoe heels and soles, Composition. Avon Sole Company. No. 97,803; June 23; Gaz. vol. 203; p. 1255.
- Shoe-laces. J. Lawrie & Sons. Nos. 96,519-21; Apr. 21; Gaz. vol. 201; p. 899.
- Shoe-lacings. Regal Shoe Company. No. 95,664; Mar. 3; Gaz. vol. 200; p. 275.
- Shoes, Leather. Melanson Shoe Co. No. 101,589; Dec. 29; Gaz. vol. 209; p. 1688.
- Shoes, Leather, canvas, or cloth. The Riley Shoe Manufacturing Co. No. 101,594; Dec. 29; Gaz. vol. 209; p. 1688.
- Shoe-polish. The Hermes Company. No. 99,099; Aug. 18; Gaz. vol. 205; p. 1015.
- Shoe-polish and shoe-cleaning compounds. G. D. Nottingham. No. 98,681; July 28; Gaz. vol. 204; p. 1341.
- Shoe-polish and shoe-staining preparations. N. F. Solomon. No. 97,906; June 23; Gaz. vol. 203; p. 1258.
- Shoe-polish, Black. Geo. J. Kelly Co. No. 96,302; Apr. 14; Gaz. vol. 201; p. 565.
- Shoe-polish, Russia-leather. Geo. J. Kelly Co. No. 95,766; Mar. 10; Gaz. vol. 200; p. 578.
- Shoe, &c., polishes, dressers, and cleansers. The R. M. Hollingshead Co. No. 99,882; Sept. 22; Gaz. vol. 206; p. 1158.
- Shoe-polishing cream, Patent-leather-. Cammeyer. No. 96,642; Apr. 28; Gaz. vol. 201; p. 1213.
- Shoe-soles, Composition. Avon Sole Company. No. 96,562; Apr. 21; Gaz. vol. 201; p. 900.
- Shoes. Z. S. Corson. No. 95,749; Mar. 10; Gaz. vol. 200; p. 577.
- Shoes. Emery & Marshall Co. No. 98,496; July 21; Gaz. vol. 204; p. 1006.
- Shoes. A. R. Garrod. No. 100,538; Oct. 20; Gaz. vol. 207; p. 928.
- Shoes. Hecht & Co. No. 100,326; Oct. 20; Gaz. vol. 207; p. 921.
- Shoes. Hennessy Company. No. 95,316; Feb. 10; Gaz. vol. 199; p. 612.
- Shoes. A. E. Nettleton Company. No. 100,600; Oct. 20; Gaz. vol. 207; p. 930.
- Shoes and boots. Churchill & Alden Co. No. 96,644; Apr. 28; Gaz. vol. 201; p. 1213.
- Shoes and slippers. Wichert & Gardiner. No. 99,523; Sept. 1; Gaz. vol. 206; p. 310.
- Shoes and slippers, Leather. Wichert & Gardiner. No. 98,726; July 28; Gaz. vol. 204; p. 1342.
- Shoes and the like. Perfection Overgaiter Company. No. 101,198; Nov. 17; Gaz. vol. 208; p. 981.
- Shoes, boots, or slippers. B. Altman & Co. No. 96,624; Apr. 28; Gaz. vol. 201; p. 1213.
- Shoes, Boys' and girls' leather. M. L. Bleecker. No. 100,252; Oct. 20; Gaz. vol. 207; p. 919.
- Shoes, Burial-. Bixby Company. No. 97,034; May 19; Gaz. vol. 202; p. 945.
- Shoes, Canvas and leather. Shaft-Pierce Shoe Co. No. 98,705; July 28; Gaz. vol. 204; p. 1342.
- Shoes, Cleaner or whitener for white buck or canvas. Geo. J. Kelly Co. No. 96,303; Apr. 14; Gaz. vol. 201; p. 565.
- Shoes, &c., Dry cleaner for white. Wite Dri Cleaner Co. No. 97,795; June 16; Gaz. vol. 203; p. 925.
- Shoes, Girls'. Mersky Bros. Shoe Co. No. 101,077; Nov. 10; Gaz. vol. 208; p. 652.
- Shoes, Ladies', misses', and children's. C. Gotzian & Company. No. 100,542; Oct. 20; Gaz. vol. 207; p. 928.
- Shoes, Leather. Best & Company. No. 95,873; Mar. 24; Gaz. vol. 200; p. 1109.
- Shoes, Leather. Brown Shoe Company. No. 95,884; Mar. 24; Gaz. vol. 200; p. 1109.
- Shoes, Leather. Brown Shoe Company. No. 96,638; Apr. 28; Gaz. vol. 201; p. 1213.
- Shoes, Leather. Brown Shoe Company. No. 97,038; May 19; Gaz. vol. 202; p. 945.
- Shoes, Leather. Brown Shoe Company. No. 97,314; June 2; Gaz. vol. 203; p. 297.
- Shoes, Leather. Brown Shoe Company. No. 98,923; Aug. 11; Gaz. vol. 205; p. 655.
- Shoes, Leather. Brown Shoe Company. No. 100,262; Oct. 20; Gaz. vol. 207; p. 920.
- Shoes, Leather. Byck Bros. & Co. No. 99,545; Sept. 8; Gaz. vol. 206; p. 583.
- Shoes, Leather. T. R. Emerson. No. 97,223; May 26; Gaz. vol. 202; p. 1253.
- Shoes, Leather. Fleishman, Morris & Co. No. 97,691; June 16; Gaz. vol. 203; p. 922.
- Shoes, Leather. C. Gotzian & Co. No. 96,278; Apr. 14; Gaz. vol. 201; p. 564.
- Shoes, Leather. P. Herold Company. No. 99,463; Sept. 1; Gaz. vol. 206; p. 308.
- Shoes, Leather. P. Herold Company. No. 100,328; Oct. 20; Gaz. vol. 207; p. 921.
- Shoes, Leather. Keiffer Bros. Co. No. 99,888; Sept. 22; Gaz. vol. 206; p. 1158.
- Shoes, Leather. Marion Shoe Company. No. 97,545; June 9; Gaz. vol. 203; p. 597.
- Shoes, Leather. F. Melville, Jr. No. 100,372; Oct. 20; Gaz. vol. 207; p. 923.
- Shoes, Leather. F. Melville, Jr. No. 100,718; Oct. 20; Gaz. vol. 207; p. 933.
- Shoes, Leather. O'Donnell Shoe Co. No. 96,325; Apr. 14; Gaz. vol. 201; p. 566.
- Shoes, Leather. C. F. Reith. No. 96,716; Apr. 28; Gaz. vol. 201; p. 1216.
- Shoes, Leather. Rice & Hutchins. No. 97,078; May 19; Gaz. vol. 202; p. 946.
- Shoes, Leather. J. J. Schulten & Co. No. 99,508; Sept. 1; Gaz. vol. 206; p. 310.

Alphabetical list of trade-marks—Continued.

- Shoes, Leather. Turner Flexible Innersole Co. No. 100,730; Oct. 20; Gaz. vol. 207; p. 933.
- Shoes, Leather. Wall, Streeter and Doyle Company. No. 95,367; Feb. 10; Gaz. vol. 199; p. 613.
- Shoes, Leather. John Wanamaker, Philadelphia. No. 96,761; Apr. 28; Gaz. vol. 201; p. 1217.
- Shoes, Leather and canvas. Ashby-Crawford Co. No. 97,461; June 9; Gaz. vol. 203; p. 595.
- Shoes, Leather and canvas. The Pitts Shoe Company. No. 98,685; July 28; Gaz. vol. 204; p. 1341.
- Shoes, Leather and canvas. Shaft-Pierce Shoe Co. No. 97,367; June 2; Gaz. vol. 203; p. 299.
- Shoes, leggings, and slippers, Bathing-. La Belle Novelty Manufacturing Co. No. 97,150; May 19; Gaz. vol. 202; p. 948.
- Shoes, Powder preparation for cleaning white. O-White-O Cleaner Company. No. 95,652; Mar. 3; Gaz. vol. 200; p. 275.
- Shoes, slippers, and boots. O. H. Hassel. No. 100,705; Oct. 20; Gaz. vol. 207; p. 933.
- Shoes, Women's. J. J. Grover's Sons. No. 95,094; Feb. 3; Gaz. vol. 199; p. 298.
- Shortening. Interstate Cotton Oil Refining Co. No. 98,531; July 21; Gaz. vol. 204; p. 1007.
- Shortening compound. The Oxola Manufacturing Company. No. 100,146; Oct. 6; Gaz. vol. 207; p. 295.
- Shorts, Fancy white. The Aunt Jemima Mills Company. No. 101,123; Nov. 17; Gaz. vol. 208; p. 979.
- Shotguns, ammunition-bags, and rifle-sheaths. Hibbard, Spencer, Bartlett & Co. No. 100,330; Oct. 20; Gaz. vol. 207; p. 922.
- Shovels, spades, and scoops. B. B. Neal. No. 95,133; Feb. 3; Gaz. vol. 199; p. 299.
- Shovels, spades, and scoops. The Wyoming Shovel Works. No. 96,768; Apr. 28; Gaz. vol. 201; p. 1217.
- Sidewalks and pavements, Bituminous. W. T. S. Crichtfield. No. 100,287; Oct. 20; Gaz. vol. 207; p. 920.
- Signaling devices for automobiles, &c. Semaphore. Baer Manufacturing Co. No. 99,934; Sept. 29; Gaz. vol. 206; p. 1431.
- Signs. Portable Frame & Sign Company. No. 96,992; May 12; Gaz. vol. 202; p. 629.
- Signs and placards. W. A. Anderson & Company. No. 98,736; Aug. 4; Gaz. vol. 205; p. 297.
- Signs, Electric. The Advertosign Company. No. 101,086; Nov. 10; Gaz. vol. 208; p. 652.
- Signs, Electric illuminating-. H. Deschere. No. 95,406; Feb. 17; Gaz. vol. 199; p. 933.
- Signs, Printed. The Cleveland-Akron Bag Company. No. 101,133; Nov. 17; Gaz. vol. 208; p. 979.
- Signs, Show-window. The Advertogram Co. No. 98,727; Aug. 4; Gaz. vol. 205; p. 297.
- Silicate of soda or water-glass. Grasselli Chemical Company. No. 99,973; Sept. 29; Gaz. vol. 206; p. 1432.
- Silk and mercerized thread, Spool-. Peerless Spool Silk Co. No. 94,824; Jan. 6; Gaz. vol. 198; p. 236.
- Silk, cotton, and woolen cloth. L. R. Yangco. No. 97,104; May 19; Gaz. vol. 202; p. 947.
- Silk, cotton, or silk and cotton piece goods. Burton Bros. & Co. Nos. 94,983-4; Jan. 20; Gaz. vol. 198; p. 699.
- Silk curtains and piece goods. A. T. Abbott & Company. No. 100,738; Oct. 27; Gaz. vol. 207; p. 1247.
- Silk dress goods. Haas Brothers. No. 95,426; Feb. 17; Gaz. vol. 199; p. 934.
- Silk dress piece goods. Haas Brothers. No. 96,881; May 5; Gaz. vol. 202; p. 312.
- Silk piece goods. Courtaulds, Limited. No. 96,869; May 5; Gaz. vol. 202; p. 312.
- Silk piece goods. Duplan Silk Co. No. 95,204; Feb. 3; Gaz. vol. 199; p. 302.
- Silk piece goods. M. Kurzmans Sons. No. 100,563; Oct. 20; Gaz. vol. 207; p. 928.
- Silk piece goods. M. C. Migel & Co. Nos. 97,341-4; June 2; Gaz. vol. 203; p. 298.
- Silk piece goods. Société Rodier. No. 98,098; June 30; Gaz. vol. 203; p. 1554.
- Silk piece goods. W. P. Willis & Co. No. 98,106; June 30; Gaz. vol. 203; p. 1554.
- Silk piece goods, Broad-. Duplan Silk Company. No. 97,687; June 16; Gaz. vol. 203; p. 922.
- Silk, Sewing-. J. Pearsall & Co. No. 99,355; Aug. 25; Gaz. vol. 205; p. 1320.
- Silk, silk and cotton, and satin piece goods. S. Eiseman & Co. No. 95,082; Feb. 3; Gaz. vol. 199; p. 298.
- Silk, silk and cotton, and satin piece goods. S. Eiseman & Co. No. 98,648; July 28; Gaz. vol. 204; p. 1340.
- Silks, Broad. A. J. Stahl. No. 101,057; Nov. 10; Gaz. vol. 208; p. 652.
- Silks, threads, cottons, and yarns, Sewing. C. W. Smith. No. 96,058; Mar. 31; Gaz. vol. 200; p. 1387.
- Silos. The Canton Culvert Company. No. 100,693; Oct. 20; Gaz. vol. 207; p. 932.
- Silos. De Laval Dairy Supply Company. No. 100,288; Oct. 20; Gaz. vol. 207; p. 920.
- Silver flat and hollow ware, tableware, &c., Sterling-. Warwick Sterling Company. No. 97,098; May 19; Gaz. vol. 202; p. 947.
- Silver flat ware. P. Latzke. Nos. 99,109-10; Aug. 18; Gaz. vol. 205; p. 1016.
- Silver hollow ware. M. Solomon. No. 97,008; May 12; Gaz. vol. 202; p. 629.
- Silver or silver-plated articles. Ellis & Company (Birmingham). No. 97,469; June 9; Gaz. vol. 203; p. 595.
- Silver-plate hollow ware. E. G. Webster & Son. No. 97,020; May 12; Gaz. vol. 202; p. 629.
- Silver-plate hollow ware. E. G. Webster & Son. No. 97,381; June 2; Gaz. vol. 203; p. 299.
- Silver-plated flat and hollow ware and cutlery. Wm. A. Rogers, Limited. No. 97,079; May 19; Gaz. vol. 202; p. 946.
- Silver-plated hollow ware and tableware. The Middletown Silver Company. No. 98,800; Aug. 4; Gaz. vol. 205; p. 299.
- Silver-plating material. J. H. Young. No. 95,279; Feb. 3; Gaz. vol. 199; p. 304.
- Silver-polish. Gorham Manufacturing Co. No. 101,446; Dec. 15; Gaz. vol. 209; p. 1049.
- Siphons and ejectors. Kincaid Brothers. No. 98,060; June 30; Gaz. vol. 203; p. 1552.
- Size for textiles. Levinstein Limited. No. 96,522; Apr. 21; Gaz. vol. 201; p. 899.
- Sized and stiffened cloth. The Holliston Mills. No. 99,012; Aug. 11; Gaz. vol. 205; p. 658.
- Skates. N. Johnson. No. 100,339; Oct. 20; Gaz. vol. 207; p. 922.
- Skates, Ice-. F. W. Planert & Sons. No. 95,942; Mar. 24; Gaz. vol. 200; p. 1111.
- Skillets, tea-kettles, cereal-cookers, saucepans, &c. The Goodale Company. No. 96,668; Apr. 28; Gaz. vol. 201; p. 1214.
- Skin-balm, face-cream, face-dressing, rouge, &c. M. J. Martin. No. 98,545; July 21; Gaz. vol. 204; p. 1007.
- Skin-coating compound, Nitrocellulose. Ambroid Company. No. 98,915; Aug. 11; Gaz. vol. 205; p. 655.
- Skin preparation. C. F. York. No. 100,686; Oct. 20; Gaz. vol. 207; p. 932.
- Skins used for making certain articles. Certain named. W. H. Staynes & Smith. No. 95,172; Feb. 3; Gaz. vol. 199; p. 301.
- Skirts and underskirts, Dress-. Steinberg Bros. No. 100,641; Oct. 20; Gaz. vol. 207; p. 931.
- Sleds. A. G. Fitz Gerald. No. 95,900; Mar. 24; Gaz. vol. 200; p. 1110.
- Slicing machines and slicers, Meat. U. S. Slicing Machine Company. No. 97,915; June 23; Gaz. vol. 203; p. 1258.
- Slippers and shoes, Indoor. Outing Shoe Co. No. 100,722; Oct. 20; Gaz. vol. 207; p. 933.
- Slippers and slipper-soles. Bickford & Sweet. No. 96,563; Apr. 21; Gaz. vol. 201; p. 900.
- Snap-fastener tops. Alma Manufacturing Company of Baltimore City. No. 97,025; May 19; Gaz. vol. 202; p. 945.
- Snap-fasteners. The De Long Hook and Eye Company. No. 98,860; Aug. 4; Gaz. vol. 205; p. 301.
- Snap-fasteners for garments. Consolidated Fastener Company. No. 97,754; June 16; Gaz. vol. 203; p. 924.
- Snap-fasteners for garments. United States Fastener Company. No. 97,793; June 16; Gaz. vol. 203; p. 925.
- Snap-fasteners for garments. United States Fastener Company. No. 97,916; June 23; Gaz. vol. 203; p. 1258.
- Snuff. Weyman-Bruton Company. No. 97,927; June 23; Gaz. vol. 203; p. 1258.
- Snuff. Weyman-Bruton Company. Nos. 98,024-5; June 30; Gaz. vol. 203; p. 1551.
- Soap. Aubrey Sisters. No. 96,772; May 5; Gaz. vol. 202; p. 309.
- Soap. P. Beiersdorf & Co. No. 95,977; Mar. 31; Gaz. vol. 200; p. 1385.
- Soap. A. Biette & Fils. No. 96,633; Apr. 28; Gaz. vol. 201; p. 1213.
- Soap. Geo. Borgfeldt & Co. No. 101,091; Nov. 10; Gaz. vol. 208; p. 653.
- Soap. Bristol-Myers Company. No. 101,504; Dec. 22; Gaz. vol. 209; p. 1313.
- Soap. Callahan Manufacturing Co. No. 98,630; July 28; Gaz. vol. 204; p. 1339.
- Soap. Claire Manufacturing Co. No. 95,746; Mar. 10; Gaz. vol. 200; p. 577.
- Soap. Crusellas Hno y Ca. No. 99,855; Sept. 22; Gaz. vol. 206; p. 1157.
- Soap. Durham Duplex Razor Company. No. 98,756; Aug. 4; Gaz. vol. 205; p. 298.
- Soap. F. L. Falek & Co. No. 99,090; Aug. 18; Gaz. vol. 205; p. 1015.
- Soap. Hopfinger & Roth. No. 98,966; May 12; Gaz. vol. 202; p. 628.
- Soap. Iowa Soap Co. No. 99,885; Sept. 22; Gaz. vol. 206; p. 1158.
- Soap. Lautz Bros. & Co. No. 95,255; Feb. 3; Gaz. vol. 199; p. 303.
- Soap. Lautz Bros. & Co. No. 95,638; Mar. 3; Gaz. vol. 200; p. 274.
- Soap. Lever Brothers Company. No. 97,490; June 9; Gaz. vol. 203; p. 596.
- Soap. Nuway Manufacturing Co. No. 99,775; Sept. 15; Gaz. vol. 206; p. 872.

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- Soap. Peet Bros. Mfg. Co. No. 101,108; Nov. 10; Gaz. vol. 208; p. 653.
- Soap. The Procter & Gamble Company. No. 99,784; Sept. 15; Gaz. vol. 206; p. 872.
- Soap. Société Anonyme des Savons De Marseille. No. 99,807; Sept. 15; Gaz. vol. 206; p. 872.
- Soap. H. Tatro. No. 99,815; Sept. 15; Gaz. vol. 206; p. 873.
- Soap. The To-Kalon Manufacturing Company. No. 97,911; June 23; Gaz. vol. 203; p. 1258.
- Soap. The Wilcox Company. No. 98,348; July 7; Gaz. vol. 204; p. 316.
- Soap. Wm. Walke & Co. No. 100,664; Oct. 20; Gaz. vol. 207; p. 931.
- Soap. C. I. Whitlock. No. 98,911; Aug. 4; Gaz. vol. 205; p. 302.
- Soap. M. F. Windsor. No. 98,605; July 21; Gaz. vol. 204; p. 1009.
- Soap and metal-polish, Vegetable oil and mechanics'. Hawkeye Oil Company. No. 101,098; Nov. 10; Gaz. vol. 208; p. 653.
- Soap and soap powder. The "Sanitas" Company. No. 96,051; Mar. 31; Gaz. vol. 200; p. 1387.
- Soap, cleanser, and metal-polish. Manufacturers and Retailers Company. No. 101,104; Nov. 10; Gaz. vol. 208; p. 653.
- Soap, Dog-. Potter & Wrightington. No. 100,614; Oct. 20; Gaz. vol. 207; p. 930.
- Soap, Dry-cleaning. Montgomerie, Stobo & Co. No. 99,897; Sept. 22; Gaz. vol. 206; p. 1158.
- Soap for shampooing and bathing, Liquid. Hiscox Bros. Co. No. 99,743; Sept. 15; Gaz. vol. 206; p. 871.
- Soap, Glycerin toilet. Mühlens & Kropff. No. 98,803; Aug. 4; Gaz. vol. 205; p. 299.
- Soap, Hand-. J. E. Tomasch. No. 101,451; Dec. 15; Gaz. vol. 209; p. 1049.
- Soap in bars or cakes. The George E. Marsh Company. No. 96,314; Apr. 14; Gaz. vol. 201; p. 566.
- Soap in paste form. The Martheo Chemical Co. No. 96,977; May 12; Gaz. vol. 202; p. 628.
- Soap, Laundry. The Cudahy Packing Company. No. 97,403; June 2; Gaz. vol. 203; p. 300.
- Soap, Laundry. The Procter & Gamble Company. Nos. 96,041-2; Mar. 31; Gaz. vol. 200; p. 1387.
- Soap, Laundry. The Procter & Gamble Company. No. 100,616; Oct. 20; Gaz. vol. 207; p. 930.
- Soap, Laundry. Rockefeller Soap Co. No. 95,264; Feb. 3; Gaz. vol. 199; p. 303.
- Soap, Laundry. Rockefeller Soap Company. No. 97,441; June 2; Gaz. vol. 203; p. 301.
- Soap, Laundry. The Standard Soap Company. No. 96,728; Apr. 28; Gaz. vol. 201; p. 1216.
- Soap, Medicated. Philo Hay Specialties Co. Nos. 101,415-16; Dec. 8; Gaz. vol. 209; p. 681.
- Soap, Medicinal and toilet. Providol Gesellschaft mit beschränkter Haftung. No. 96,043; Mar. 31; Gaz. vol. 200; p. 1387.
- Soap powder. Kendall Mfg. Co. No. 95,114; Feb. 3; Gaz. vol. 199; p. 299.
- Soap, Scouring-. The Bon Ami Co. No. 99,079; Aug. 18; Gaz. vol. 205; p. 1015.
- Soap, Scouring-. The Holbrook M'fg Co. No. 98,524; July 21; Gaz. vol. 204; p. 1007.
- Soap, scouring-powder, wash-day compounds, &c. John Sexton & Company. No. 98,574; July 21; Gaz. vol. 204; p. 1008.
- Soap, Shaving-. Fesler Sales Company. No. 99,867; Sept. 22; Gaz. vol. 206; p. 1158.
- Soap, Shaving-. Johnson & Johnson. No. 99,101; Aug. 18; Gaz. vol. 205; p. 1016.
- Soap, soap and washing powders. The Globe Soap Company. Nos. 95,757-8; Mar. 10; Gaz. vol. 200; p. 578.
- Soap, soap cream and powder, &c. Chiozza & Turchi. No. 101,249; Nov. 17; Gaz. vol. 208; p. 983.
- Soap, Toilet. Consolidated Soap Co. No. 101,250; Nov. 17; Gaz. vol. 208; p. 983.
- Soap, Toilet. R. P. Franqui. No. 99,872; Sept. 22; Gaz. vol. 206; p. 1158.
- Soap, Toilet. James S. Kirk & Company. No. 98,536; July 21; Gaz. vol. 204; p. 1007.
- Soap, Toilet. G. S. McCreedy. No. 95,258; Feb. 3; Gaz. vol. 199; p. 303.
- Soap, Toilet. Solon Palmer. No. 99,776; Sept. 15; Gaz. vol. 206; p. 872.
- Soap, Toilet. The Salcara Company. No. 99,908; Sept. 22; Gaz. vol. 206; p. 1159.
- Soap, Toilet. Swift and Company. No. 98,714; July 28; Gaz. vol. 204; p. 1342.
- Soap, Toilet. Swift and Company. Nos. 98,830-1; Aug. 4; Gaz. vol. 205; p. 300.
- Soap, Toilet. E. Wertheimer et Cie. No. 101,115; Nov. 10; Gaz. vol. 208; p. 653.
- Soap, Toilet. The J. B. Williams Company. No. 95,276; Feb. 3; Gaz. vol. 199; p. 304.
- Soap, Toilet and laundry. The Standard Soap Company. No. 96,729; Apr. 28; Gaz. vol. 201; p. 1216.
- Soaps. Armour & Company. No. 99,834; Sept. 22; Gaz. vol. 206; p. 1157.
- Soaps. The Arthur Chemical Co. No. 95,044; Feb. 3; Gaz. vol. 199; p. 297.
- Soaps. Barclay & Barclay. No. 97,520; June 9; Gaz. vol. 203; p. 597.
- Soaps. C. Barrie. No. 95,045; Feb. 3; Gaz. vol. 199; p. 297.
- Soaps. D. J. Faour & Bros. No. 96,955; May 12; Gaz. vol. 202; p. 628.
- Soaps. H. "D" Hart. No. 97,972; June 30; Gaz. vol. 203; p. 1550.
- Soaps. J. L. Hopkins & Co. No. 95,623; Mar. 3; Gaz. vol. 200; p. 274.
- Soaps. The Phoenix Oil Co. No. 100,403; Oct. 20; Gaz. vol. 207; p. 924.
- Soaps. E. Wertheimer & Cie. No. 101,114; Nov. 10; Gaz. vol. 208; p. 653.
- Soaps and cleaning-powders. J. E. Whitmore. No. 98,027; June 30; Gaz. vol. 203; p. 1551.
- Soaps and powders, Washing and scouring. Pride of the Kitchen Company. No. 95,660; Mar. 3; Gaz. vol. 200; p. 275.
- Soaps and soap powder. Colgate & Co. No. 97,951; June 30; Gaz. vol. 203; p. 1549.
- Soaps and soap powders. Colgate & Co. No. 95,747; Mar. 10; Gaz. vol. 200; p. 577.
- Soaps and soap powders. Colgate & Co. No. 98,751; Aug. 4; Gaz. vol. 205; p. 297.
- Soaps and soap powders. Colgate & Co. No. 101,093; Nov. 10; Gaz. vol. 208; p. 653.
- Soaps, Shaving and toilet. The J. B. Williams Company. No. 96,075; Mar. 31; Gaz. vol. 200; p. 1388.
- Soaps, Solid, liquid, and powdered. Lingner-Werke Aktiengesellschaft. No. 97,429; June 2; Gaz. vol. 203; p. 300.
- Soaps, Toilet. F. G. Burke. No. 96,640; Apr. 28; Gaz. vol. 201; p. 1213.
- Soaps, Toilet and laundry. The Continental Soap Company. No. 97,394; June 2; Gaz. vol. 203; p. 299.
- Soda, Bathing-. Davis & Co. No. 94,887; Jan. 13; Gaz. vol. 198; p. 490.
- Soda-fountain beverage and syrup for manufacturing same, Carbonated. C. T. O'Brien. No. 98,314; July 7; Gaz. vol. 204; p. 315.
- Soda-fountain beverage and syrup for manufacturing same, Carbonated. E. E. Steiner. No. 98,329; July 7; Gaz. vol. 204; p. 315.
- Soda-fountain-beverage syrup. C. E. Snelling. No. 97,370; June 2; Gaz. vol. 203; p. 299.
- Soda-water, grape-juice, and root-beer. A. J. Van Exem. No. 97,296; May 26; Gaz. vol. 202; p. 1256.
- Soda-water, limeade, lemonade, &c. Sullivan, McMahan Buck & Wisner. No. 99,513; Sept. 1; Gaz. vol. 206; p. 310.
- Soda-water syrup. T. Hoffmann. No. 101,495; Dec. 15; Gaz. vol. 209; p. 1050.
- Soda-water, syrups, and fruit-juices. United Cigar Stores Co. No. 94,842; Jan. 6; Gaz. vol. 198; p. 236.
- Soldering-iron handles, Wooden. J. Donoghue. No. 99,291; Aug. 25; Gaz. vol. 205; p. 1318.
- Soldering material. The Solderall Company. No. 100,039; Sept. 29; Gaz. vol. 206; p. 1434.
- Solutions for intramuscular and hypodermic injections, Sterile. C. Bardos, Jr. No. 100,079; Oct. 6; Gaz. vol. 207; p. 293.
- Solvents for cellulose esters, resins, &c. Badische-Anilin- & Soda-Fabrik. No. 97,667; June 16; Gaz. vol. 203; p. 921.
- Soporific preparation. Vereinigte Chininfabriken Zimmer & Co. Ges. mit beschränkter Haftung. No. 96,758; Apr. 28; Gaz. vol. 201; p. 1217.
- Sound-boxes for sound-reproducing instruments, Devices for. The Stetson Manufacturing Company. No. 99,128; Aug. 18; Gaz. vol. 205; p. 1016.
- Sound recording and reproducing apparatus. Thomas A. Edison, Incorporated. No. 98,495; July 21; Gaz. vol. 204; p. 1006.
- Sound recording or reproducing machines and parts thereof, &c. Victor Talking Machine Company. No. 95,964; Mar. 24; Gaz. vol. 200; p. 1112.
- Soup, purée, and catsup. The Harbauer Company. No. 100,120; Oct. 6; Gaz. vol. 207; p. 294.
- Soy. Marukin-Shoyu-Kabushiki-Kwaisha. No. 95,642; Mar. 3; Gaz. vol. 200; p. 274.
- Space or quad, Metal. American Type Founders Company. No. 98,614; July 28; Gaz. vol. 204; p. 1339.
- Spaghetti. Minnesota Macaroni Co. No. 100,860; Oct. 27; Gaz. vol. 207; p. 1244.
- Spark-pistols, cigar and gas lighting devices. L. V. Aronson. No. 95,283; Feb. 10; Gaz. vol. 199; p. 611.
- Spark-plug insulators. Rajah Auto Supply Company. No. 95,661; Mar. 3; Gaz. vol. 200; p. 275.
- Spark-plugs. Benford Manufacturing Co. No. 95,047; Feb. 3; Gaz. vol. 199; p. 297.
- Spark-plugs. J. H. Faw, Inc. No. 101,511; Dec. 22; Gaz. vol. 209; p. 1313.
- Spark-plugs. The Hartford Machine Screw Company. No. 98,386; July 14; Gaz. vol. 204; p. 670.
- Spark-plugs. G. F. Kreitlein. No. 97,149; May 19; Gaz. vol. 202; p. 948.
- Spark-plugs. C. A. Mezger. No. 98,174; July 7; Gaz. vol. 204; p. 311.

Alphabetical list of trade-marks—Continued.

- Spark-plugs. A. R. Mosler & Co. No. 95,005; Jan. 20; Gaz. vol. 198; p. 700.
- Spark-plugs. The Randall-Faichney Company. No. 96,336; Apr. 14; Gaz. vol. 201; p. 566.
- Spark-plugs. The Standard Company. No. 97,180; May 19; Gaz. vol. 202; p. 949.
- Spark-plugs and electrical terminal clips. Jeffery De-witt Co. No. 94,988; Jan. 20; Gaz. vol. 198; p. 699.
- Spark-plugs and parts. D. B. Mills. No. 99,165; Aug. 18; Gaz. vol. 205; p. 1017.
- Spark-plugs and parts thereof. The Rapp Mfg. Co. No. 96,337; Apr. 14; Gaz. vol. 201; p. 566.
- Spectacle and eyeglass lenses. F. A. Hardy & Co. No. 99,461; Sept. 1; Gaz. vol. 206; p. 308.
- Spectacle and eyeglass mountings. F. A. Hardy & Co. No. 97,534; June 9; Gaz. vol. 203; p. 597.
- Spectacle and eyeglass mountings. F. A. Hardy & Co. No. 101,286; Nov. 24; Gaz. vol. 208; p. 1351.
- Spectacles. A. J. Harrison. No. 99,303; Aug. 25; Gaz. vol. 205; p. 1318.
- Spectacles and eyeglasses. M. Bentzon. No. 95,512; Feb. 24; Gaz. vol. 199; p. 1239.
- Spectacles and eyeglasses. Merry Optical Company. No. 97,775; June 16; Gaz. vol. 203; p. 924.
- Spectacles and eyeglasses, Mountings for. F. A. Hardy & Co. No. 98,145; July 7; Gaz. vol. 204; p. 310.
- Spectacles and eyeglasses, Mountings for. F. A. Hardy & Co. No. 98,385; July 14; Gaz. vol. 204; p. 670.
- Spectacles, eyeglasses, frames, bridges, lenses, &c. American Optical Company. No. 96,079; Apr. 7; Gaz. vol. 201; p. 261.
- Spectacles, eyeglasses, ophthalmoscopes, and retinoscopes. The J. E. Limeburner Company. No. 99,322; Aug. 25; Gaz. vol. 205; p. 1319.
- Spelters. Refractory Zinc Ore Treatment Company. No. 101,419; Dec. 8; Gaz. vol. 209; p. 681.
- Spices. C. F. Blanke Tea & Coffee Company. No. 95,875; Mar. 24; Gaz. vol. 200; p. 1109.
- Spices and coffee. M. B. Toy. No. 101,432; Dec. 8; Gaz. vol. 209; p. 681.
- Spices and flavoring extracts, Certain named. Arbuckle Brothers. No. 98,737; Aug. 4; Gaz. vol. 205; p. 297.
- Spindles, skein-winders, bobbin-spoolers, and reels. Easton & Burnham Mach. Co. No. 101,374; Dec. 8; Gaz. vol. 209; p. 679.
- Spirits, Domestic rectified. L. B. Katz. No. 98,160; July 7; Gaz. vol. 204; p. 310.
- Splice-bars for railway-rails. Carnegie Steel Company. No. 98,361; July 14; Gaz. vol. 204; p. 669.
- Spool and sewing cotton, thread, and cotton yarn. The American Thread Company. No. 95,385; Feb. 17; Gaz. vol. 199; p. 933.
- Spool-holder to be used during crocheting. J. W. Reilly. No. 95,474; Feb. 17; Gaz. vol. 199; p. 935.
- Sporting goods and gymnasium apparatus, Certain. The William R. Burkhard Co. No. 100,498; Oct. 20; Gaz. vol. 207; p. 927.
- Sporting goods, Certain named. F. A. O. Schwarz. No. 96,462; Apr. 21; Gaz. vol. 201; p. 897.
- Spraying apparatus. Air-tight Steel Tank Co. No. 98,847; Aug. 4; Gaz. vol. 205; p. 300.
- Spraying apparatus for trees, plants, and bushes. The Deming Company. No. 100,780; Oct. 27; Gaz. vol. 207; p. 1242.
- Spraying instruments. The De Vilbiss Manufacturing Company. No. 96,948; May 12; Gaz. vol. 202; p. 627.
- Sprays for plants, shrubs, and trees. The Chamberlain Company. No. 95,299; Feb. 10; Gaz. vol. 199; p. 611.
- Springs, Buffer, railway-vehicle, and locomotive. Turton Brothers & Matthews. No. 95,962; Mar. 24; Gaz. vol. 200; p. 1112.
- Springs, Seat and bed. Detroit Wire Spring Co. No. 96,654; Apr. 28; Gaz. vol. 201; p. 1214.
- Squabs. H. B. Kleine. No. 99,755; Sept. 15; Gaz. vol. 206; p. 871.
- Stains and varnishes. E. J. Hofford. No. 96,806; May 5; Gaz. vol. 202; p. 310.
- Stains, varnishes, and a combined stain and varnish. Perry Brothers. No. 98,997; Aug. 11; Gaz. vol. 205; p. 657.
- Stamp-pads, Self-inking. B. G. Volger Manufacturing Company. Nos. 100,053-4; Sept. 29; Gaz. vol. 206; p. 1434.
- Starch. Corn Products Refining Co. No. 100,282; Oct. 20; Gaz. vol. 207; p. 920.
- Starch. Laundry. The Keever Starch Company. No. 95,436; Feb. 17; Gaz. vol. 199; p. 934.
- Starch, Laundry. H. Kohnstamm & Co. No. 100,837; Oct. 27; Gaz. vol. 207; p. 1244.
- Starch, Laundry. H. Kohnstamm & Co. No. 100,842; Oct. 27; Gaz. vol. 207; p. 1244.
- Starch, sugar, glucose, grits, &c. Corn- American Maize-Products Company. Nos. 96,381-3; Apr. 21; Gaz. vol. 201; p. 895.
- Starches, softener and finishing compounds for cotton, &c., fibers. Chas. S. Tanner Company. No. 99,407; Aug. 25; Gaz. vol. 205; p. 1321.
- Stationery, Certain named articles of. Dennison Manufacturing Company. No. 95,305; Feb. 10; Gaz. vol. 199; p. 611.
- Statuary and images. Daprato Statuary Company. No. 100,697; Oct. 20; Gaz. vol. 207; p. 932.
- Statues, statuettes, and plastic relief. Character Plastic Company. No. 97,597; June 16; Gaz. vol. 203; p. 919.
- Staves impregnated with wood-preservative, Wooden. The McClure Company. No. 96,704; Apr. 28; Gaz. vol. 201; p. 1215.
- Steam-power units, Superheated. Buckeye Engine Co. No. 101,268; Nov. 24; Gaz. vol. 208; p. 1351.
- Steam-traps. Warren Webster & Co. Nos. 97,924-5; June 23; Gaz. vol. 203; p. 1258.
- Steel. The Betz-Pierce Company. No. 95,048; Feb. 3; Gaz. vol. 199; p. 297.
- Steel. Poldihütte Tiegelgussstahlfabrik. No. 96,178; Apr. 7; Gaz. vol. 201; p. 264.
- Steel and iron. Turton Bros. & Matthews. No. 100,914; Oct. 27; Gaz. vol. 207; p. 1246.
- Steel and iron bars, sheets, hoops, &c. Turton Bros. and Matthews. No. 100,915; Oct. 27; Gaz. vol. 207; p. 1246.
- Steel castings, Manganese. The Frog Switch & Manufacturing Company. No. 98,007; Aug. 11; Gaz. vol. 205; p. 657.
- Steel, Crucible tool-. G. Keasley. No. 97,425; June 2; Gaz. vol. 203; p. 300.
- Steel, Electric. Halcomb Steel Company. No. 98,054; June 30; Gaz. vol. 203; p. 1552.
- Steel, Specially-treated. The National Malleable Castings Company. No. 98,885; Aug. 4; Gaz. vol. 205; p. 301.
- Steel, Tool-. The Carpenter Steel Company. No. 99,943; Sept. 29; Gaz. vol. 206; p. 1431.
- Steel, Tool-. Peter A. Frasse & Co. Nos. 98,141-2; July 7; Gaz. vol. 204; p. 310.
- Steel, Tool-. H. T. Potts & Co. No. 99,627; Sept. 8; Gaz. vol. 206; p. 585.
- Steelware, Enameled. Geo. Borgfeldt & Co. No. 94,980; Jan. 20; Gaz. vol. 198; p. 699.
- Stencil-duplicating apparatus and papers used therewith. D. Gestetner. No. 98,763; Aug. 4; Gaz. vol. 205; p. 298.
- Stereopticons and slides therefor. Victor Animatograph Company. No. 95,689; Mar. 3; Gaz. vol. 200; p. 276.
- Still, Water-. A. P. Link. No. 99,015; Aug. 11; Gaz. vol. 205; p. 658.
- Stimulant for nervous exhaustion, &c. Morrow Chemical Company. No. 96,445; Apr. 21; Gaz. vol. 201; p. 896.
- Stock-powder. J. W. Emery. No. 97,688; June 16; Gaz. vol. 203; p. 922.
- Stockings. J. W. Landenberger & Co. No. 98,402; July 14; Gaz. vol. 204; p. 670.
- Stockings. O'Callaghan & Fedden. Nos. 95,137-8; Feb. 3; Gaz. vol. 199; p. 300.
- Stockings and underwear. J. W. Landenberger & Co. No. 98,401; July 14; Gaz. vol. 204; p. 670.
- Stockings, socks, and knit underwear. The F. S. Bixler Company. No. 96,635; Apr. 28; Gaz. vol. 201; p. 1213.
- Stockings, Women's. The Safe-Keep Pocket Hosiery Company. No. 94,944; Jan. 13; Gaz. vol. 198; p. 491.
- Stogies. M. Marsh & Son. No. 100,715; Oct. 20; Gaz. vol. 207; p. 933.
- Stogies. J. F. Miller. No. 99,894; Sept. 22; Gaz. vol. 206; p. 1158.
- Stogies. The Miller Cigar Co. No. 99,895; Sept. 22; Gaz. vol. 206; p. 1158.
- Stokers, Underfeed. Sanford Riley Stoker Co. No. 95,784; Mar. 10; Gaz. vol. 200; p. 578.
- Stone, Natural ornamental. Virginia Fairy Stone Company. No. 100,230; Oct. 13; Gaz. vol. 207; p. 606.
- Stone work, Certain named materials for artificial. Terra-nova-Industrie C. A. Kapferer & Co. No. 95,681; Mar. 3; Gaz. vol. 200; p. 275.
- Stones used as ornaments in jewelry, Natural. T. H. Self. No. 96,724; Apr. 28; Gaz. vol. 201; p. 1216.
- Stoneware, Certain acid-proof chemical. German-American Stoneware Works. No. 95,313; Feb. 10; Gaz. vol. 199; p. 612.
- Storm-shields for automobiles, locomotives, &c. Storm Shield Mfg. Co. No. 97,452; June 2; Gaz. vol. 203; p. 301.
- Stove-polish. A. V. Gregory. No. 100,543; Oct. 20; Gaz. vol. 207; p. 928.
- Stove-polish. Nu-Shine M'fg Co. No. 98,551; July 21; Gaz. vol. 204; p. 1008.
- Stove-polish. Zehrung Brothers. No. 97,583; June 9; Gaz. vol. 203; p. 599.
- Stoves and furnaces, Wood, coal, gas, and vapor. Estate P. D. Beckwith. No. 98,467; July 21; Gaz. vol. 204; p. 1005.
- Stoves and heaters, portable steel ovens, &c., Oil. The Cleveland Foundry Co. No. 98,481; July 21; Gaz. vol. 204; p. 1006.
- Stoves and ranges. Cameron Stove Co. No. 99,689; Sept. 15; Gaz. vol. 206; p. 869.
- Stoves and ranges. The Union Stove Works. No. 95,806; Mar. 10; Gaz. vol. 200; p. 579.
- Stoves and ranges, heaters, &c., Oil-burning cook. A. J. Lindemann & Hoverson Co. No. 100,714; Oct. 20; Gaz. vol. 207; p. 933.
- Stoves and ranges, Heating and cooking. Rock Island Stove Company. No. 100,417; Oct. 20; Gaz. vol. 207; p. 924.

Alphabetical list of trade-marks—Continued.

- Stoves and ranges, parlor-heaters, and furnaces, Cooking. Galusha Stove Company. No. 99,456; Sept. 1; Gaz. vol. 206; p. 308.
- Stoves and soldering-lamps, Petroleum and kitchen. Aktiebolaget Radius. No. 99,414; Sept. 1; Gaz. vol. 206; p. 307.
- Stoves, Automatic cook-. The Sentinel Automatic Gas Appliance Co. No. 97,508; June 9; Gaz. vol. 203; p. 596.
- Stoves, Heating-. Orinda Stove & Manufacturing Co. No. 97,644; June 16; Gaz. vol. 203; p. 920.
- Stoves, Heating and cooking. P. M. Bradley. No. 98,246; July 7; Gaz. vol. 204; p. 313.
- Straps for harness, &c., Adjustable. Kerr Adjustable Strap Company. No. 96,304; Apr. 14; Gaz. vol. 201; p. 565.
- Strops. P. Eisemann. No. 95,752; Mar. 10; Gaz. vol. 200; p. 577.
- Sugar. Galban & Co. No. 96,124; Apr. 7; Gaz. vol. 201; p. 262.
- Sugar. Galban & Co. No. 97,608; June 16; Gaz. vol. 203; p. 919.
- Sugar. Firm of W. Henderson. No. 99,048; Aug. 11; Gaz. vol. 205; p. 659.
- Sugar. Pennsylvania Sugar Company. No. 97,780; June 16; Gaz. vol. 203; p. 924.
- Sugar, Beet-. The American Beet Sugar Company. No. 101,261; Nov. 24; Gaz. vol. 208; p. 1351.
- Sugar, Block. J. Hirshfeld. No. 98,522; July 21; Gaz. vol. 204; p. 1007.
- Sugar substitute for use in diabetes, gout, &c. A. Beauvais. No. 99,379; Aug. 25; Gaz. vol. 205; p. 1320.
- Sugars. American Beet Sugar Company. No. 101,246; Nov. 17; Gaz. vol. 208; p. 983.
- Suit cases and traveling-bags, Dress-. Katz Brothers Leather Goods Co. No. 99,599; Sept. 8; Gaz. vol. 206; p. 585.
- Suits and overcoats. Leopold Morse Company. No. 97,263; May 26; Gaz. vol. 202; p. 1255.
- Suits and overcoats for men and boys. Missoula Mercantile Company. No. 100,585; Oct. 20; Gaz. vol. 207; p. 929.
- Suits and overcoats, Men's. S. W. Peck & Co. No. 97,169; May 19; Gaz. vol. 202; p. 949.
- Suits and overcoats, Outer. H. Kuhn & Sons. Nos. 97,486-7; June 9; Gaz. vol. 203; p. 596.
- Suits and overcoats, Outer. Rogers Peet Company. No. 95,149; Feb. 3; Gaz. vol. 199; p. 300.
- Suits, Boys' outer. Loth-Hoffman Clothing Co. No. 98,673; July 28; Gaz. vol. 204; p. 1341.
- Suits, Children's. E. S. Cannon. No. 98,475; July 21; Gaz. vol. 204; p. 1005.
- Suits, Children's play-. Goldenbergs. No. 99,300; Aug. 25; Gaz. vol. 205; p. 1318.
- Suits, Children's washable outer. W. Hecht. No. 97,696; June 16; Gaz. vol. 203; p. 922.
- Suits, Children's washable outer. W. Hecht. No. 97,847; June 23; Gaz. vol. 203; p. 1256.
- Suits, coats, and skirts, Ladies' outer. Louis Barnett Sons. No. 95,733; Mar. 10; Gaz. vol. 200; p. 577.
- Suits, Juvenile. A. Shuman & Co. No. 98,901; Aug. 4; Gaz. vol. 205; p. 302.
- Suits, Ladies' combined shirt-waist and bloomer gymnasium and athletic. Myers Manufacturing Company. No. 96,317; Apr. 14; Gaz. vol. 201; p. 566.
- Suits, Men's outer. Zerfing and Lightner. No. 95,816; Mar. 10; Gaz. vol. 200; p. 579.
- Suits, Women's and misses' cloth. B. Gershel & Co. No. 98,656; July 28; Gaz. vol. 204; p. 1340.
- Suitcases, trunks, and traveling-bags. Resisto Luggage Co. No. 95,350; Feb. 10; Gaz. vol. 199; p. 613.
- Sulfur preparations. L. C. Wedgefuth. No. 101,061; Nov. 10; Gaz. vol. 208; p. 652.
- Sulkies, Children's. Geneva Manufacturing Co. No. 95,423; Feb. 17; Gaz. vol. 199; p. 934.
- Surgical appliances and veterinary instruments, Certain named. The Randall-Faichney Co. No. 100,409; Oct. 20; Gaz. vol. 207; p. 924.
- Surgical appliances, Certain named. Sharp & Smith. No. 95,567; Feb. 24; Gaz. vol. 199; p. 1240.
- Surgical bandages. G. Hoffmann. No. 100,550; Oct. 20; Gaz. vol. 207; p. 928.
- Surgical bandages, belts, and stockings, abdominal belts, &c. The Spirella Company. Nos. 95,953-5; Mar. 24; Gaz. vol. 200; p. 1111.
- Surgical dressings, rubber protectives, and first-aid cases. Johnson & Johnson. No. 96,680; Apr. 28; Gaz. vol. 201; p. 1214.
- Surgical instruments. A. E. Fraass. No. 101,572; Dec. 29; Gaz. vol. 209; p. 1687.
- Surgical pads, bandages, and belts. Mathis and Fergusson. No. 100,717; Oct. 20; Gaz. vol. 207; p. 933.
- Surgical sewing and ligation means, Certain. E. Scheffler. No. 95,356; Feb. 10; Gaz. vol. 199; p. 613.
- Surgical splints and medical appliances, Mixture for use in the manufacture of. J. W. Peck. No. 95,781; Mar. 10; Gaz. vol. 200; p. 578.
- Surgical sutures. C. De Witt Lukens Surgical Manufacturing Co. No. 100,366; Oct. 20; Gaz. vol. 207; p. 923.
- Surveying, photographic, and optical apparatus. C. Zeiss. No. 97,930; June 23; Gaz. vol. 203; p. 1258.
- Suspenders, belts, garters, and armbands. Berkowitz & Guttman. No. 96,484; Apr. 21; Gaz. vol. 201; p. 898.
- Suspenders, neckties, and belts. E. H. Robinson Co. No. 95,478; Feb. 17; Gaz. vol. 199; p. 936.
- Sweater-coats, sweaters, and cardigan jackets. Highland Shaker Sweater Company. No. 101,387; Dec. 8; Gaz. vol. 209; p. 680.
- Sweaters. The Empire Knitting Co. No. 96,875; May 5; Gaz. vol. 202; p. 312.
- Sweaters. Firm of C. B. Rouss. No. 99,636; Sept. 8; Gaz. vol. 206; p. 586.
- Sweaters and jerseys. W. H. Wye. No. 98,606; July 21; Gaz. vol. 204; p. 1009.
- Sweaters, knitted underwear. A. S. Haight & Co. No. 96,283; Apr. 14; Gaz. vol. 201; p. 565.
- Sweepers, Suction-. Spiegel, May, Stern Company. No. 101,017; Nov. 3; Gaz. vol. 208; p. 335.
- Sweeping compound. The Cedar-Sweep Company. No. 95,297; Feb. 10; Gaz. vol. 199; p. 611.
- Sweeping compound, Floor-. Young Manufacturing Company. No. 97,458; June 2; Gaz. vol. 203; p. 301.
- Sweeping compounds. The Cedar Sweep Co. No. 101,092; Nov. 10; Gaz. vol. 208; p. 653.
- Sweeping or dust-laying compound. M. A. Udell Specialty Co. No. 97,512; June 9; Gaz. vol. 203; p. 596.
- Switches and sockets. Gordon Electric and Mfg. Co. No. 98,514; July 21; Gaz. vol. 204; p. 1007.
- Syphilis-diagnosing preparation. The Rockefeller Institute for Medical Research. No. 98,088; June 30; Gaz. vol. 203; p. 1553.
- Syringe apparatus for treating hog-cholera. Randall-Faichney Company. No. 95,560; Feb. 24; Gaz. vol. 199; p. 1240.
- Syringes. The Auto-Grav Manufacturing and Medical Company. No. 101,029; Nov. 10; Gaz. vol. 208; p. 651.
- Syringes. F. Faiszt. No. 95,532; Feb. 24; Gaz. vol. 199; p. 1239.
- Syringes for fire-extinguishing compounds. Pyrene Manufacturing Co. No. 98,965; Aug. 11; Gaz. vol. 205; p. 656.
- Syrup, Blood-depurating. Prof. G. Pagliano. No. 97,499; June 9; Gaz. vol. 203; p. 596.
- Syrup, edible corn-oil, jams, and jellies, Table-. Corn Products Refining Co. No. 96,572; Apr. 21; Gaz. vol. 201; p. 900.
- Syrup, Soda-fountain. Wine Coca Manufacturing Company. No. 94,970; Jan. 13; Gaz. vol. 198; p. 492.
- Syrup, Sugar-cane table-. S. A. & W. H. Leonard. No. 97,986; June 30; Gaz. vol. 203; p. 1550.
- Syrup, Table-. Alabama-Georgia Syrup Co. No. 100,691; Oct. 20; Gaz. vol. 207; p. 932.
- Syrup, Table-. Western Syrup & Manufacturing Co. No. 101,239; Nov. 17; Gaz. vol. 208; p. 982.
- Syrups and fruit preserves, Table-. National Preserve Co. No. 97,073; May 19; Gaz. vol. 202; p. 946.
- Syrups, sorghum, and molasses, Table-. Farrell & Co. No. 100,700; Oct. 20; Gaz. vol. 207; p. 933.
- Syrups, Table-. G. A. Hageni. No. 99,735; Sept. 15; Gaz. vol. 206; p. 870.
- Syrups, Table-. Southern Syrup Company. No. 100,172; Oct. 6; Gaz. vol. 207; p. 296.
- Tables. Carrom-Archarena Co. No. 99,547; Sept. 8; Gaz. vol. 206; p. 583.
- Tables and stands. The Cleveland Metal Products Company. No. 100,506; Oct. 20; Gaz. vol. 207; p. 927.
- Tablet, Digestive. G. A. Colvin. No. 100,101; Oct. 6; Gaz. vol. 207; p. 294.
- Tablet, Foot-. Spero Chemical Co. No. 100,903; Oct. 27; Gaz. vol. 207; p. 1245.
- Tablet for relief of disorders of the liver and for constipation. B. L. Cole. No. 100,956; Nov. 3; Gaz. vol. 208; p. 333.
- Tablets and liniments, Constipation and kidney. D. T. Walker. No. 99,521; Sept. 1; Gaz. vol. 206; p. 310.
- Tablets and paper, envelopes, &c., Writing. Montag Brothers. No. 99,485; Sept. 1; Gaz. vol. 206; p. 309.
- Tablets and vaginal suppositories, Antiseptic. J. H. Kegel. No. 98,534; July 21; Gaz. vol. 204; p. 1007.
- Tablets, Aperient. F. G. Earl. No. 97,410; June 2; Gaz. vol. 203; p. 300.
- Tablets, Cathartic. L. D. Perry. No. 100,608; Oct. 20; Gaz. vol. 207; p. 930.
- Tablets, Diastase. T. Tamaki. No. 101,232; Nov. 17; Gaz. vol. 208; p. 982.
- Tablets for certain diseases and ailments. 3-L Remedy Company. No. 97,171; May 19; Gaz. vol. 202; p. 949.
- Tablets for heartburn and sour stomach. The Peppinoid Company. No. 101,004; Nov. 3; Gaz. vol. 208; p. 335.
- Tablets for malaria and colds. M. E. Robins. No. 96,907; May 5; Gaz. vol. 202; p. 313.
- Tablets for purifying and nourishing the blood and invigorating the nervous system. The Reese Chemical Company. No. 101,418; Dec. 8; Gaz. vol. 209; p. 681.
- Tablets, Laxative. G. C. Pierce. No. 98,558; July 21; Gaz. vol. 204; p. 1008.
- Tablets, Liver-. W. T. Hursh. No. 101,393; Dec. 8; Gaz. vol. 209; p. 680.
- Tablets, Stomach and breath. A. B. Hunt. No. 99,154; Aug. 18; Gaz. vol. 205; p. 1017.

Alphabetical list of trade-marks—Continued.

- Tablets, Writing-. Peyton Paper Company. No. 99,062; Aug. 11; Gaz. vol. 205; p. 659.
- Tags. Dennison Manufacturing Company. No. 94,805; Jan. 6; Gaz. vol. 198; p. 235.
- Tags, baggage-checks, &c., Shipping and merchandise. The Denney Tag Company. No. 101,567; Dec. 29; Gaz. vol. 209; p. 1687.
- Talking-machine needles. Flexible Star Needle Co. No. 97,472; June 9; Gaz. vol. 203; p. 595.
- Talking-machine-record cabinets. Victor Talking Machine Company. No. 100,657; Oct. 20; Gaz. vol. 207; p. 931.
- Talking-machine records. Victor Talking Machine Company. No. 96,470; Apr. 21; Gaz. vol. 201; p. 897.
- Talking-machine sound-records. American Graphophone Company. No. 95,384; Feb. 17; Gaz. vol. 199; p. 933.
- Talking-machines and parts thereof. Compagnie Générale des Etablissements Pathé Frères (Phonographe & Cinématographe). No. 96,646; Apr. 28; Gaz. vol. 201; p. 1213.
- Talking-machines and records. Columbia Graphophone Company. No. 95,703; Mar. 3; Gaz. vol. 200; p. 276.
- Tamales and karno. Workman Packing Company. No. 96,480; Apr. 21; Gaz. vol. 201; p. 898.
- Tank float bulbs or balls. The Mechanical Rubber Company. No. 98,411; July 14; Gaz. vol. 204; p. 670.
- Tank-heaters. A. L. Trachte. No. 101,344; Nov. 24; Gaz. vol. 208; p. 1353.
- Tanks, Gathering-. The Leader Evaporator Company. No. 100,566; Oct. 20; Gaz. vol. 207; p. 929.
- Tanners' and quebracho barks, tanning extracts, &c. L. Prenzlaus's Fabrikwerke. Nos. 98,561-2; July 21; Gaz. vol. 204; p. 1008.
- Tanning agent. A. G. Wackenreuter & W. A. Klipstein. No. 96,471; Apr. 21; Gaz. vol. 201; p. 897.
- Taps. Pratt & Whitney Co. No. 101,490; Dec. 15; Gaz. vol. 209; p. 1050.
- Tar, pitch, and asphalt for roofing, &c., Prepared. Barrett Manufacturing Company. No. 101,356; Dec. 8; Gaz. vol. 209; p. 679.
- Taxicab and other vehicle doors. Mason-Seaman Transportation Company. No. 100,370; Oct. 20; Gaz. vol. 207; p. 923.
- Tea. Geo. W. Caswell Co. No. 96,102; Apr. 7; Gaz. vol. 201; p. 261.
- Tea. Consumers Importing Co. No. 98,249; July 7; Gaz. vol. 204; p. 313.
- Tea. Dwinell-Wright Co. No. 99,960; Sept. 29; Gaz. vol. 206; p. 1432.
- Tea. J. A. Folger & Company. No. 97,964; June 30; Gaz. vol. 203; p. 1550.
- Tea. J. A. Folger & Co. No. 100,114; Oct. 6; Gaz. vol. 207; p. 294.
- Tea. K. Ikeda. No. 99,746; Sept. 15; Gaz. vol. 206; p. 871.
- Tea. J. T. L. Jones. No. 95,917; Mar. 24; Gaz. vol. 200; p. 1110.
- Tea. C. D. Kenny Co. No. 99,753; Sept. 15; Gaz. vol. 206; p. 871.
- Tea. Robert Melrose and Company. No. 100,855; Oct. 27; Gaz. vol. 207; p. 1244.
- Tea. Schorn & Brower. No. 99,795; Sept. 15; Gaz. vol. 206; p. 872.
- Tea. Sheppard-Strassheim Co. No. 100,637; Oct. 20; Gaz. vol. 207; p. 931.
- Tea. Stone-Ordean-Wells Company. No. 97,183; May 19; Gaz. vol. 202; p. 949.
- Tea. The Woodley Yerba Mate Tea Co. No. 98,130; July 7; Gaz. vol. 204; p. 309.
- Tea and blended coffee. W. F. McLaughlin & Company. No. 100,004; Sept. 29; Gaz. vol. 206; p. 1433.
- Tea and coffee. Aragon Coffee Co. No. 100,744; Oct. 27; Gaz. vol. 207; p. 1241.
- Tea and coffee. C. F. Blanke Tea & Coffee Company. No. 98,854; Aug. 4; Gaz. vol. 205; p. 300.
- Tea, coffee, and cocoa. E. T. Smith & Company. No. 100,038; Sept. 29; Gaz. vol. 206; p. 1434.
- Tea, coffee, cocoa, chocolate, and chicory. The Blind Tea Agency. No. 96,564; Apr. 21; Gaz. vol. 201; p. 900.
- Tea, coffee, spices, &c. William Schotten Coffee Company. No. 101,221; Nov. 17; Gaz. vol. 208; p. 982.
- Tea, coffee, spices, and flavoring extracts. F. J. Horton. No. 98,150; July 7; Gaz. vol. 204; p. 310.
- Tea, flavoring extracts, and spices. Closset & Devers. No. 96,945; May 12; Gaz. vol. 202; p. 627.
- Teas. The G. B. Farrington Company. No. 100,111; Oct. 6; Gaz. vol. 207; p. 294.
- Teas. A. Kempler. No. 96,420; Apr. 21; Gaz. vol. 201; p. 896.
- Teas. R. V. Webster. No. 101,257; Nov. 17; Gaz. vol. 208; p. 983.
- Teas and coffees. The Grocers Coffee Co. No. 99,734; Sept. 15; Gaz. vol. 206; p. 870.
- Teas, spices, and rice. The J. Henry Koenig Co. No. 96,424; Apr. 21; Gaz. vol. 201; p. 896.
- Teeth and teeth-facings, Artificial. The Columbus Dental Manufacturing Co. No. 100,277; Oct. 20; Gaz. vol. 207; p. 920.
- Teeth, Artificial. The Dentists' Supply Company. No. 95,526; Feb. 24; Gaz. vol. 199; p. 1239.
- Teeth, Artificial. Dentists' Supply Company. No. 98,259; July 7; Gaz. vol. 204; p. 313.
- Teeth, Artificial. The Dentists' Supply Company. No. 100,190; Oct. 20; Gaz. vol. 207; p. 920.
- Teeth, Artificial. International Tooth Company. No. 98,782; Aug. 4; Gaz. vol. 205; p. 298.
- Teeth, Compound to secure in place artificial. J. A. Belchner. No. 96,931; May 12; Gaz. vol. 202; p. 627.
- Teeth, tooth facings and backings, Artificial. The Columbus Dental Manufacturing Company. Nos. 98,365-6; July 14; Gaz. vol. 204; p. 669.
- Telephone-brackets. The Tollometer Company. No. 95,576; Feb. 24; Gaz. vol. 199; p. 1241.
- Telephone-indexes, Card. M. A. Repelow. No. 101,474; Dec. 15; Gaz. vol. 209; p. 1050.
- Telephone system, Device having for its object a loud-speaking. The National Callophone Co. No. 95,844; Mar. 17; Gaz. vol. 200; p. 853.
- Telephonic apparatus. National Dictograph Co. No. 95,132; Feb. 3; Gaz. vol. 199; p. 299.
- Temperature-indicating instruments. Stewart-Warner Speedometer Corporation. No. 98,713; July 28; Gaz. vol. 204; p. 1342.
- Temperature measurements, Thermo-electric couples used in pyrometry for. C. H. Wilson. No. 95,023; Jan. 20; Gaz. vol. 198; p. 700.
- Tempering compound. B. L. Mosso. No. 100,591; Oct. 20; Gaz. vol. 207; p. 929.
- Tents and awnings. The Schaefer Tent & Awning Co. No. 97,446; June 2; Gaz. vol. 203; p. 301.
- Tents, tarpaulins, and awnings. H. T. Tucker. No. 101,233; Nov. 17; Gaz. vol. 208; p. 982.
- Tents, tarpaulins, and waterproof bed-sheets. H. Wenzel Tent & Duck Co. Nos. 100,186-7; Oct. 6; Gaz. vol. 207; p. 296.
- Test-tubes for clinical diagnosis, Glass. Fletcher, Fletcher & Co. No. 99,204; Aug. 25; Gaz. vol. 205; p. 1315.
- Textile fabrics. R. E. Fry. No. 101,255; Nov. 17; Gaz. vol. 208; p. 983.
- Textile fabrics and piece goods, Certain named. Balstone, Cooke & Co. Nos. 95,509-10; Feb. 24; Gaz. vol. 199; p. 1239.
- Textile fabrics, Certain named. Société Rodier. No. 97,371; June 2; Gaz. vol. 203; p. 299.
- Textile fibers, Compound to soften. L. Sonneborn Sons. No. 100,902; Oct. 27; Gaz. vol. 207; p. 1245.
- Therapeutic device. Unity Sales Company. No. 95,366; Feb. 10; Gaz. vol. 199; p. 613.
- Thermometers. W. Bruns. No. 95,984; Mar. 31; Gaz. vol. 200; p. 1385.
- Thermostat, &c., metallic strips. Driver-Harris Wire Co. No. 99,005; Aug. 11; Gaz. vol. 205; p. 657.
- Thread. Landis Machine Company. No. 95,440; Feb. 17; Gaz. vol. 199; p. 934.
- Thread. J. C. Meyer. Nos. 95,837-8; Mar. 17; Gaz. vol. 200; p. 853.
- Thread. Carl Mez & Söhne. Nos. 97,160-1; May 19; Gaz. vol. 202; p. 949.
- Thread. New England Cotton Yarn Company. No. 96,904; May 5; Gaz. vol. 202; p. 313.
- Thread. The New England Cotton Yarn Company. Nos. 96,321-4; Apr. 14; Gaz. vol. 201; p. 566.
- Thread and spool-cotton, Mercerized. Sea Island Thread Co. No. 95,162; Feb. 3; Gaz. vol. 199; p. 300.
- Thread and yarn. N. Chertoff. No. 96,105; Apr. 7; Gaz. vol. 201; p. 261.
- Thread and yarn, Certain named. The Brainerd and Armstrong Co. No. 94,981; Jan. 20; Gaz. vol. 198; p. 699.
- Thread and yarn, Embroidery. Wm. H. Horstmann Company. No. 96,675; Apr. 23; Gaz. vol. 201; p. 1214.
- Thread, Sewing-. Eastern Thread Company. No. 98,862; Aug. 4; Gaz. vol. 205; p. 298.
- Threads and yarns. The Lees Mfg. Co. No. 97,335; June 2; Gaz. vol. 203; p. 298.
- Threads and yarns. Ph. Vrau & Cie. No. 100,660; Oct. 20; Gaz. vol. 207; p. 931.
- Thrashing-machines and farm engines, sawmills, and horse-powers. The Russell & Company. No. 97,359; June 2; Gaz. vol. 203; p. 298.
- Throat-pastils, Antiseptic. New York and London Drug Co. No. 97,266; May 26; Gaz. vol. 202; p. 1255.
- Ties, Four-in-hand. C. H. Peirce. No. 100,401; Oct. 20; Gaz. vol. 207; p. 924.
- Tile and tile pipe. W. S. Dickey. No. 98,373; July 14; Gaz. vol. 204; p. 669.
- Tiles, Elastic floor-. David E. Kennedy, Inc. No. 96,970; May 12; Gaz. vol. 202; p. 628.
- Tiles of linoleum, &c., Floor-. Armstrong Cork & Insulation Company. No. 99,532; Sept. 8; Gaz. vol. 206; p. 583.
- Timber, Fireproof. Timber Fireproofing Company. No. 99,816; Sept. 15; Gaz. vol. 206; p. 873.
- Tire-fillers. J. A. Burgess. No. 98,746; Aug. 4; Gaz. vol. 205; p. 297.
- Tire-healing compound. H. S. Griswold. No. 98,279; July 7; Gaz. vol. 204; p. 314.
- Tire-puncture compound. Lackland Brothers. No. 100,564; Oct. 20; Gaz. vol. 207; p. 929.

Alphabetical list of trade-marks—Continued.

- Tire, Puncture-proofing substance for the inner tube of a pneumatic. Puncture Seal Manufacturing Company. No. 101,529; Dec. 22; Gaz. vol. 209; p. 1314.
- Tire-treads. The Ten Broeck Tyre Co. No. 96,365; Apr. 14; Gaz. vol. 201; p. 567.
- Tires and inner tubes for automobiles, Rubber. Thermoid Rubber Company. No. 96,060; Mar. 31; Gaz. vol. 200; p. 1387.
- Tires and inner tubes, Pneumatic. The Pharis Tire & Rubber Co. No. 100,880; Oct. 27; Gaz. vol. 207; p. 1245.
- Tires and inner tubes, Rubber vehicle. Dreadnaught Tire & Rubber Co. No. 98,646; July 28; Gaz. vol. 204; p. 1340.
- Tires and inner tubes therefor, Rubber vehicle. Dreadnaught Tire & Rubber Co. No. 100,104; Oct. 6; Gaz. vol. 207; p. 294.
- Tires and tubing, inner tubes and cases, valve-patches, Rubber. Lee Tire & Rubber Co. No. 99,318; Aug. 25; Gaz. vol. 205; p. 1319.
- Tires and vulcanizing-cement, Friction-tape for. The Johnstown Automobile Co. No. 100,556; Oct. 20; Gaz. vol. 207; p. 928.
- Tires, Automobile. Paxton & Gallagher Co. No. 101,413; Dec. 8; Gaz. vol. 209; p. 681.
- Tires, casings, and inner tubes, Rubber. Converse Rubber Shoe Co. No. 99,852; Sept. 22; Gaz. vol. 206; p. 1157.
- Tires, casings, and inner tubes, Rubber. Converse Rubber Shoe Co. No. 100,772; Oct. 27; Gaz. vol. 207; p. 1242.
- Tires, Elastic. The Republic Rubber Company. No. 101,531; Dec. 22; Gaz. vol. 209; p. 1314.
- Tires, Filling composition for pneumatic. The Original Puncturefix Company. No. 97,268; May 26; Gaz. vol. 202; p. 1255.
- Tires, Inner tubes for pneumatic. Greensburg Tire & Rubber Co. No. 100,704; Oct. 20; Gaz. vol. 207; p. 933.
- Tires, Non-metallic. United & Globe Rubber Mfg. Companies. No. 96,739; Apr. 28; Gaz. vol. 201; p. 1216.
- Tires or liners for use with vehicle-tires, Inner. O. Krichbaum. No. 96,971; May 12; Gaz. vol. 202; p. 628.
- Tires, packing, tubes, &c., Rubber. The Toronto Rubber Co. No. 101,234; Nov. 17; Gaz. vol. 208; p. 982.
- Tires, Pneumatic. Century Rubber Co. No. 101,132; Nov. 17; Gaz. vol. 208; p. 979.
- Tires, Pneumatic. Continental Rubber Works. No. 98,250; July 7; Gaz. vol. 204; p. 313.
- Tires, Pneumatic. L. Meredith. No. 97,492; June 9; Gaz. vol. 203; p. 596.
- Tires, Pneumatic and solid rubber vehicle. The Fisk Rubber Company. No. 98,502; July 21; Gaz. vol. 204; p. 1006.
- Tires, Puncture cure for pneumatic. The McGowan Company. No. 97,546; June 9; Gaz. vol. 203; p. 597.
- Tires, Puncture-proof powder for pneumatic. 4 Bros. Co. No. 95,033; Jan. 27; Gaz. vol. 198; p. 895.
- Tires, Puncture-sealing compositions for pneumatic. Puncture Cure Sales Co. No. 101,007; Nov. 3; Gaz. vol. 208; p. 335.
- Tires, Rubber. C. De Hibbs. No. 97,954; June 30; Gaz. vol. 203; p. 1549.
- Tires, Rubber. Elchemco Manufacturing Company. No. 97,830; June 23; Gaz. vol. 203; p. 1286.
- Tires, Rubber. Polack Tyre & Rubber Co. No. 100,883; Oct. 27; Gaz. vol. 207; p. 1245.
- Tires, Rubber. Russian-French India Rubber, Gutta-percha and Telegraph Works, "Prowodnik, Riga." No. 100,891; Oct. 27; Gaz. vol. 207; p. 1245.
- Tires, Rubber and leather vehicle. C. H. Graves. No. 96,669; Apr. 28; Gaz. vol. 201; p. 1214.
- Tires, Rubber automobile and vehicle. The Mansfield Tire & Rubber Co. No. 99,479; Sept. 1; Gaz. vol. 206; p. 309.
- Tires, Rubber inner tubes for pneumatic. Empire Tire Company. No. 95,083; Feb. 3; Gaz. vol. 199; p. 298.
- Tires, Rubber tubes for pneumatic. Continental Rubber Works. No. 98,251; July 7; Gaz. vol. 204; p. 313.
- Tires, Rubber tubes for pneumatic. Giant Tire & Rubber Company. No. 100,798; Oct. 27; Gaz. vol. 207; p. 1242.
- Tires, Rubber vehicle. The Carbonè Company. No. 97,947; June 30; Gaz. vol. 203; p. 1549.
- Tires, tire-covers, and tubes. Wale's Invulnerable Tyre Syndicate. No. 96,841; May 5; Gaz. vol. 202; p. 311.
- Tires, treads, and non-skidding treads, Rubber. Societe Generale des Etablissements Bergougnan. No. 96,727; Apr. 28; Gaz. vol. 201; p. 1216.
- Tires, Tubes for pneumatic. Greensburg Tire & Rubber Co. No. 100,703; Oct. 20; Gaz. vol. 207; p. 933.
- Title, head, or name of magazine. B. F. Harris. No. 97,971; June 30; Gaz. vol. 203; p. 1550.
- Tobacco. Weyman-Bruton Company. No. 97,926; June 23; Gaz. vol. 203; p. 1258.
- Tobacco and cigarettes, Smoking. Alexander Boguslavsky Limited. No. 96,777; May 5; Gaz. vol. 202; p. 309.
- Tobacco and cigarettes, Smoking. Alexander Boguslavsky Limited. No. 99,193; Aug. 25; Gaz. vol. 205; p. 1315.
- Tobacco and snuff, Smoking. H. Jones. No. 101,175; Nov. 17; Gaz. vol. 208; p. 980.
- Tobacco, Chewing and smoking. Weyman-Bruton Co. No. 96,375; Apr. 14; Gaz. vol. 201; p. 567.
- Tobacco, Chewing and smoking. Weyman-Bruton Company. No. 98,602; July 21; Gaz. vol. 204; p. 1009.
- Tobacco, cigars, and cigarettes. B. J. Reynolds Tobacco Company. No. 101,328; Nov. 24; Gaz. vol. 208; p. 1353.
- Tobacco, cigars, and cigarettes, Smoking. A. J. Van Exem. No. 98,595; July 21; Gaz. vol. 204; p. 1009.
- Tobacco, cigars, cigarettes, and pipe mixtures, Leaf and chewing. The Allen & Wheeler Co. No. 97,385; June 2; Gaz. vol. 203; p. 299.
- Tobacco, Long-cut smoking and chewing. Schmitt Brothers Tobacco Works. No. 95,670; Mar. 3; Gaz. vol. 200; p. 275.
- Tobacco, Plug. Bailey Brothers. No. 98,620; July 28; Gaz. vol. 204; p. 1339.
- Tobacco, &c., pockets or containers. The United States Tobacco Company. No. 100,453; Oct. 20; Gaz. vol. 207; p. 925.
- Tobacco-pouches and combined tobacco and pipe pouches. C. Twining. No. 96,368; Apr. 14; Gaz. vol. 201; p. 567.
- Tobacco, Smoking. The Surbrug Company. No. 95,269; Feb. 3; Gaz. vol. 199; p. 303.
- Tobacco, Smoking and chewing. Penn Tobacco Co. Nos. 101,318-19; Nov. 24; Gaz. vol. 208; p. 1352.
- Tobacco, Smoking and chewing. Roth Tobacco Co. No. 101,329; Nov. 24; Gaz. vol. 208; p. 1353.
- Tobacco, snuff, and cigarettes. Societe Job Anciens Etablissements Bardou-Job et Paulhac. No. 98,711; July 28; Gaz. vol. 204; p. 1342.
- Tobies and stogies. A. Ruben & Co. No. 97,896; June 23; Gaz. vol. 203; p. 1257.
- Toilet and chemical preparations, Certain named. Goodrich Drug Co. No. 95,425; Feb. 17; Gaz. vol. 199; p. 934.
- Toilet-article cases. N. L. Schloss. No. 100,433; Oct. 20; Gaz. vol. 207; p. 925.
- Toilet-article cases. N. L. Schloss. No. 100,630; Oct. 20; Gaz. vol. 207; p. 930.
- Toilet cerate. The S. R. Feil Company. No. 99,865; Sept. 22; Gaz. vol. 206; p. 1158.
- Toilet chemicals, Sanitary. Hawkeye Chemical Company. No. 96,412; Apr. 21; Gaz. vol. 201; p. 896.
- Toilet powder, complexion-cream, perfumes, and tooth-paste. Doster-Northington Drug Co. No. 95,413; Feb. 17; Gaz. vol. 199; p. 934.
- Toilet preparation, Liquid. The Fountain Chemical Company. No. 95,418; Feb. 17; Gaz. vol. 199; p. 934.
- Toilet preparations. B. W. McCandless Co. No. 95,257; Feb. 3; Gaz. vol. 199; p. 303.
- Toilet preparations. P. E. Reifschneider. No. 100,027; Sept. 29; Gaz. vol. 206; p. 1433.
- Toilet preparations, Certain. A. Letts. No. 97,152; May 19; Gaz. vol. 202; p. 948.
- Toilet preparations, &c., Certain. I. Shapiro. No. 94,951; Jan. 13; Gaz. vol. 198; p. 492.
- Toilet preparations, Certain named. Aubry Sisters. No. 98,114; July 7; Gaz. vol. 204; p. 309.
- Toilet preparations, Certain named. E. Burnham. No. 96,488; Apr. 21; Gaz. vol. 201; p. 898.
- Toilet preparations, &c., Certain named. G. Graham. No. 94,906; Jan. 13; Gaz. vol. 198; p. 490.
- Toilet preparations, lotions, powder, ointment, and face-cream. L. B. Malloy. No. 95,330; Feb. 10; Gaz. vol. 199; p. 612.
- Toilet waters, perfumes, and sachet-powders. Hedden & Eberhardt. No. 97,973; June 30; Gaz. vol. 203; p. 1550.
- Tomato paste. A. Cusimano & Co. No. 96,575; Apr. 21; Gaz. vol. 201; p. 900.
- Tomato paste with basil. Crisafulli Bros. No. 96,110; Apr. 7; Gaz. vol. 201; p. 262.
- Tomatoes, Fresh. T. J. Peters. No. 100,223; Oct. 13; Gaz. vol. 207; p. 606.
- Tonic and diuretic, Cardiac. Bayer Company. No. 96,390; Apr. 21; Gaz. vol. 201; p. 895.
- Tonic, Blood and liver. W. M. Barentine. No. 97,462; June 9; Gaz. vol. 203; p. 595.
- Tonic, Celery. J. Myer Co. No. 100,138; Oct. 6; Gaz. vol. 207; p. 295.
- Tonic, Cod-liver-oil. Miller Drug Co. No. 96,529; Apr. 21; Gaz. vol. 201; p. 899.
- Tonic for certain named ailments. Berlin Chemical Laboratories. No. 95,390; Feb. 17; Gaz. vol. 199; p. 933.
- Tonic for cleansing and purifying the system. J. M. Heltsley. No. 98,952; Aug. 11; Gaz. vol. 205; p. 656.
- Tonic for the nerves, blood, and brain. C. I. Hood Co. No. 98,284; July 7; Gaz. vol. 204; p. 314.
- Tonic laxative preparation. J. T. Wellington. Nos. 99,030-1; Aug. 11; Gaz. vol. 205; p. 658.
- Tonic, Malt. The Inter-State Brewing Co. No. 101,577; Dec. 29; Gaz. vol. 209; p. 1687.
- Tonic, Medicinal. S. F. Sellaro. No. 100,037; Sept. 29; Gaz. vol. 206; p. 1434.
- Tonic, Nerve. A. B. Parker. No. 98,084; June 30; Gaz. vol. 203; p. 1553.
- Tonic, Organic food. C. Bardos, Jr. No. 99,378; Aug. 25; Gaz. vol. 205; p. 1320.
- Tonic, Stock. Bladell Milk Producer Co. No. 100,082; Oct. 6; Gaz. vol. 207; p. 293.
- Tonics, Blood. C. W. Entzminger. No. 99,006; Aug. 11; Gaz. vol. 205; p. 657.

Alphabetical list of trade-marks—Continued.

- Tonics, cough-drops, and laxatives, Medical. D. Westheimer. No. 95,810; Mar. 10; Gaz. vol. 200; p. 579.
- Tonics for the female reproductive organs. The Dr. Hey Herb-Health Co. No. 101,162; Nov. 17; Gaz. vol. 208; p. 980.
- Tonics, Stock-. Gold Medal Stock Food Co. No. 100,800; Oct. 27; Gaz. vol. 207; p. 1242.
- Tools and agricultural forks, Certain named. Krakauer, Zork & Moye's Sucs. No. 95,000; Jan. 20; Gaz. vol. 198; p. 699.
- Tools and machinery, Certain named. American Die & Tool Co. No. 98,454; July 21; Gaz. vol. 204; p. 1005.
- Tools and motors, Certain named. Smith & Hemenway Company. No. 98,710; July 28; Gaz. vol. 204; p. 1342.
- Tools and parts thereof, Certain named. Elsässische Werkzeugfabrik Zornhoff vormals Goldenberg & Co. No. 98,137; July 7; Gaz. vol. 204; p. 309.
- Tools and parts thereof, Certain named. Sargent & Company. No. 98,697; July 28; Gaz. vol. 204; p. 1341.
- Tools, Certain named. The Atha Tool Company. No. 101,440; Dec. 15; Gaz. vol. 209; p. 1049.
- Tools, Certain named. Smith & Hemenway Company. No. 97,732; June 16; Gaz. vol. 203; p. 923.
- Tools, Certain named. Stauffer Eshleman & Co. No. 95,020; Jan. 20; Gaz. vol. 198; p. 700.
- Tools, Certain named. Wyeth Hdw. & Mfg. Co. No. 97,796; June 16; Gaz. vol. 203; p. 925.
- Tools, Certain named machinery and. Hall Manufacturing Company. No. 101,285; Nov. 24; Gaz. vol. 208; p. 1351.
- Tools, household, agricultural, and farming implements made of iron or steel. Elsässische Werkzeugfabrik Zornhoff vormals Goldenberg & Co. Nos. 98,048-9; June 30; Gaz. vol. 203; p. 1552.
- Tools, machine parts, and mills, Certain named. Elsässische Werkzeugfabrik Zornhoff vormals Goldenberg & Co. No. 98,267; July 7; Gaz. vol. 204; p. 313.
- Tools, parts thereof, cutlery, &c., Certain named. A. O. Meyer. No. 98,958; Aug. 11; Gaz. vol. 205; p. 656.
- Tooth-paste. Herson Chemical Company. No. 98,953; Aug. 11; Gaz. vol. 205; p. 656.
- Tooth-paste. Manhattan Drug Co. No. 98,795; Aug. 4; Gaz. vol. 205; p. 299.
- Tooth-polishes and remedies for diseases of the gums. The Oratone Company. No. 101,084; Nov. 10; Gaz. vol. 208; p. 652.
- Tooth-wash and antiseptic solution, eye remedy. The Consolidated Drug Co. No. 100,512; Oct. 20; Gaz. vol. 207; p. 927.
- Toothpicks. Forster Manufacturing Company. No. 97,231; May 26; Gaz. vol. 202; p. 1254.
- Torches and search-lights, Gas-. Marine Torch Company of Baltimore City. Nos. 101,186-7; Nov. 17; Gaz. vol. 208; p. 981.
- Torches for use in oxo-hydric and oxo-acetylene cutting and welding. International Oxygen Company. No. 98,155; July 7; Gaz. vol. 204; p. 310.
- Torpedoes, Hand-. Burmont Specialty Company. No. 94,880; Jan. 13; Gaz. vol. 198; p. 490.
- Towels, face-cloths, bath-mats, &c., Turkish. George W. Preston Company. No. 95,147; Feb. 3; Gaz. vol. 199; p. 300.
- Towels, washcloths, bath-mitts, sheets, &c. San-Knit-Ary Textile Mills. No. 100,426; Oct. 20; Gaz. vol. 207; p. 924.
- Toy and favor receptacle, Net. H. Weddle. Nos. 98,104-5; June 30; Gaz. vol. 203; p. 1554.
- Toy spring-gun. Parker Brothers. No. 99,169; Aug. 18; Gaz. vol. 205; p. 1018.
- Toy-watch bracelet, Child's. Moore & Gibson Corporation of New York. No. 100,382; Oct. 20; Gaz. vol. 207; p. 923.
- Toys. Geo. Borgfeldt & Co. No. 95,291; Feb. 10; Gaz. vol. 199; p. 611.
- Toys. K. P. Hampton. No. 95,907; Mar. 24; Gaz. vol. 200; p. 1110.
- Toys and games, Children's. J. W. Spear & Sons. No. 101,016; Nov. 3; Gaz. vol. 208; p. 335.
- Toys and sporting appliances, Certain named. Wm. H. Hoegee Company. No. 95,319; Feb. 10; Gaz. vol. 199; p. 612.
- Toys, Building material for mechanical. Nurnberger Metall- und Lackierwarenfabrik vormals Gebrüder Bing Aktiengesellschaft. No. 101,477; Dec. 15; Gaz. vol. 209; p. 1050.
- Toys composed wholly or in part of pyroxylin, Certain named. Geo. Borgfeldt & Co. No. 95,879; Mar. 24; Gaz. vol. 200; p. 1109.
- Toys, Mechanical. F. A. Wagner. No. 96,840; May 5; Gaz. vol. 202; p. 311.
- Traction-engines. G. C. Andrews. No. 101,501; Dec. 22; Gaz. vol. 209; p. 1313.
- Tractors and parts thereof. International Harvester Corporation. No. 95,432; Feb. 17; Gaz. vol. 199; p. 934.
- Tractors and parts thereof. International Harvester Corporation. No. 95,628; Mar. 3; Gaz. vol. 200; p. 274.
- Trading-slips, tags, adhesive labels, &c. A. Jarvis. No. 97,859; June 23; Gaz. vol. 203; p. 1256.
- Transformer and dynamo plates, Sheet-metal. Joseph Sankey & Sons. No. 100,035; Sept. 29; Gaz. vol. 206; p. 1434.
- Traps, and certain poultry appliances, Mouse, rat, &c. Hibbard, Spencer, Bartlett & Co. No. 99,741; Sept. 15; Gaz. vol. 206; p. 871.
- Trays and boxes made of certain named material. Geo. Borgfeldt & Co. No. 95,292; Feb. 10; Gaz. vol. 199; p. 611.
- Trays, waiters, candlesticks, &c. Ellis & Company (Birmingham). No. 97,412; June 2; Gaz. vol. 203; p. 300.
- Trees, Liquid compound for destroying. Hatley & Womack. No. 96,131; Apr. 7; Gaz. vol. 201; p. 262.
- Trees, Peach-. C. R. Hancock. No. 98,772; Aug. 4; Gaz. vol. 205; p. 298.
- Trees, Peach-. Stark Bro's Nurseries & Orchards Co. No. 97,013; May 12; Gaz. vol. 202; p. 629.
- Trousers. The Fair. No. 99,571; Sept. 8; Gaz. vol. 206; p. 584.
- Trousers and overalls. The Crown Overall Manufacturing Co. No. 100,774; Oct. 27; Gaz. vol. 207; p. 1242.
- Trousers and suits. A. A. Brown. No. 98,629; July 28; Gaz. vol. 204; p. 1339.
- Trousers, Men's. Gillespie, Shields & Co. No. 100,539; Oct. 20; Gaz. vol. 207; p. 928.
- Truck-chains. The Brockett-Gorham Company. No. 100,493; Oct. 20; Gaz. vol. 207; p. 926.
- Trucks and wheelbarrows. The Fairbanks Company. No. 96,506; Apr. 21; Gaz. vol. 201; p. 898.
- Trucks, Car-. The J. G. Brill Company. No. 98,627; July 28; Gaz. vol. 204; p. 1339.
- Trucks, Hand-. Pressed Steel Truck Company. No. 95,559; Feb. 24; Gaz. vol. 199; p. 1240.
- Trucks, Motor-. Alma Motor Truck Co. No. 97,664; June 16; Gaz. vol. 203; p. 921.
- Trucks, Motor-. The Dart Manufacturing Company. No. 97,683; June 16; Gaz. vol. 203; p. 921.
- Trucks, Motor-. The Dart Manufacturing Company. No. 99,707; Sept. 15; Gaz. vol. 206; p. 870.
- Trucks, Motor-. Driggs-Seabury Ordnance Corporation. No. 94,889; Jan. 13; Gaz. vol. 198; p. 490.
- Trunks. L. Goldsmith & Son. Nos. 96,274-5; Apr. 14; Gaz. vol. 201; p. 564.
- Trunks, portmanteaus, &c. Innovation Trunk Company. No. 98,663; July 28; Gaz. vol. 204; p. 1340.
- Trunks, portmanteaus, boxes, &c. J. B. Brooks & Company. No. 98,628; July 28; Gaz. vol. 204; p. 1339.
- Trunks, suitcases, and bags. The Hartmann Trunk Co. No. 100,325; Oct. 20; Gaz. vol. 207; p. 921.
- Trunks, suitcases, and traveling-bags. The Kamlee Company. No. 100,557; Oct. 20; Gaz. vol. 207; p. 928.
- Tuberculosis treatment. E. Roller. No. 100,031; Sept. 29; Gaz. vol. 206; p. 1434.
- Tubes, blow-out patches, &c., Inner. The Johnstown Automobile Co. No. 100,830; Oct. 27; Gaz. vol. 207; p. 1243.
- Tubes, pipes, tubing, and casings, Certain named. Monongahela Tube Company. No. 96,031; Mar. 31; Gaz. vol. 200; p. 1387.
- Tubing, hose, belting, and machinery packing. J. W. Buckley Rubber Co. No. 95,054; Feb. 3; Gaz. vol. 199; p. 297.
- Turpentine. Bowring & Company. No. 97,312; June 2; Gaz. vol. 203; p. 297.
- Turpentine. W. R. Grace & Co. No. 99,977; Sept. 29; Gaz. vol. 206; p. 1432.
- Turpentine and turpentine substitutes, Spirits of. C. Tennant Sons & Co. of New York. No. 96,919; May 5; Gaz. vol. 202; p. 313.
- Turpentine spirits. London-Savannah Naval Stores Co. No. 97,709; June 16; Gaz. vol. 203; p. 922.
- Turpentine substitute. Standard Oil Company of New York. No. 95,170; Feb. 3; Gaz. vol. 199; p. 301.
- Twine. T. L. O'Neil. No. 99,168; Aug. 18; Gaz. vol. 205; p. 1018.
- Twine and cord, Asbestos. H. W. Johns-Manville Co. No. 96,300; Apr. 14; Gaz. vol. 201; p. 565.
- Twines. Tower Manufacturing & Novelty Co. No. 97,572; June 9; Gaz. vol. 203; p. 598.
- Twines and cords. The Lees Manufacturing Co. No. 96,690; Apr. 28; Gaz. vol. 201; p. 1215.
- Twines and cords. The Lees Mfg. Co. No. 97,544; June 9; Gaz. vol. 203; p. 597.
- Type-setting machines. The Unitype Company. No. 99,370; Aug. 25; Gaz. vol. 205; p. 1320.
- Type-writer cases, boxes, bags, &c. Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft. No. 98,989; Aug. 11; Gaz. vol. 205; p. 657.
- Type-writer ribbons and carbon-paper. Russia Cement Company. No. 101,109; Nov. 10; Gaz. vol. 208; p. 653.
- Type-writer ribbons and carbon-paper. The Stenography & Reporting Company. No. 99,069; Aug. 11; Gaz. vol. 205; p. 659.
- Type-writers, Practice. W. P. Cosper. No. 99,286; Aug. 25; Gaz. vol. 205; p. 1318.
- Type-writing machines. American Writing Machine Company. No. 96,220; Apr. 14; Gaz. vol. 201; p. 563.
- Type-writing machines. The Oliver Typewriter Company. Nos. 101,410-11; Dec. 8; Gaz. vol. 209; p. 680.
- Type-writing machines and parts thereof. Clemens Müller, Gesellschaft mit beschränkter Haftung. Nos. 97,123-4; May 19; Gaz. vol. 202; p. 948.

Alphabetical list of trade-marks—Continued.

- Umbrellas. D. Hirsch. No. 101,047; Nov. 10; Gaz. vol. 208; p. 651.
- Umbrellas. Hulse Brothers & Daniel Co. No. 100,334; Oct. 20; Gaz. vol. 207; p. 922.
- Umbrellas and parasols. Follmer, Clogg & Co. No. 96,660; Apr. 28; Gaz. vol. 201; p. 1214.
- Umbrellas and parasols. Simons & McGill. No. 96,914; May 5; Gaz. vol. 202; p. 313.
- Undergarments, Absorbent linen-mesh. The Linen Underwear Company. No. 97,428; June 2; Gaz. vol. 203; p. 300.
- Undergarments, Ladies' and children's muslin. A. Ratner. No. 98,894; Aug. 4; Gaz. vol. 205; p. 302.
- Undergarments, Textile. Doernberg & Stein. No. 101,479; Dec. 15; Gaz. vol. 209; p. 1050.
- Undershirts, drawers, and union suits. James H. Moffett & Co. No. 96,709; Apr. 28; Gaz. vol. 201; p. 1215.
- Undervests, Ladies'. H. H. Condit. No. 96,571; Apr. 21; Gaz. vol. 201; p. 900.
- Underwear. A. S. Haight & Co. No. 97,844; June 23; Gaz. vol. 203; p. 1256.
- Underwear. Kahn & Frank. No. 97,250; May 26; Gaz. vol. 202; p. 1254.
- Underwear. The Maline Mills. No. 98,307; July 7; Gaz. vol. 204; p. 315.
- Underwear. Robert Reis & Co. Nos. 96,603-6; Apr. 21; Gaz. vol. 201; p. 901.
- Underwear. Robert Reis & Co. No. 98,692; July 28; Gaz. vol. 204; p. 1341.
- Underwear. Sears, Roebuck and Company. No. 97,083; May 19; Gaz. vol. 202; p. 946.
- Underwear, Certain named woven and knitted. N. Hatch. No. 99,009; Aug. 11; Gaz. vol. 205; p. 657.
- Underwear, combination-garments, &c., Woven and knitted. N. Hatch. No. 100,547; Oct. 20; Gaz. vol. 207; p. 928.
- Underwear for women and children, Certain named. R. G. Jennings. No. 96,299; Apr. 14; Gaz. vol. 201; p. 565.
- Underwear, Knit and woven. Indera Mills. No. 99,052; Aug. 11; Gaz. vol. 205; p. 659.
- Underwear, Men's. The F. & R. Lazarus & Co. No. 97,867; June 23; Gaz. vol. 203; p. 1257.
- Unguents. Baer & Snyder. No. 100,244; Oct. 20; Gaz. vol. 207; p. 919.
- Union suits of textile fabric, Athletic. Diamond Mfg Co. of Del. No. 98,372; July 14; Gaz. vol. 204; p. 669.
- Vaccines. H. K. Mulford Company. No. 95,461; Feb. 17; Gaz. vol. 199; p. 935.
- Vacuum-testers. The Spencer Turbine Cleaner Company. No. 98,207; July 7; Gaz. vol. 204; p. 312.
- Valves. The Fairbanks Company. No. 96,262; Apr. 14; Gaz. vol. 201; p. 564.
- Valves. C. H. Wheeler Manufacturing Company. No. 99,670; Sept. 8; Gaz. vol. 206; p. 587.
- Valves and cocks, Blow-off. Sargent Company. No. 96,347; Apr. 14; Gaz. vol. 201; p. 567.
- Valves and hose-couplings, Metallic. The Okadee Company. No. 98,189; July 7; Gaz. vol. 204; p. 311.
- Valves and parts thereof, Metallic. The Consolidated Safety Valve Company. Nos. 98,367-8; July 14; Gaz. vol. 204; p. 669.
- Valves, cocks, bowls, &c., Certain. Excelvalve Company. No. 95,613; Mar. 3; Gaz. vol. 200; p. 273.
- Valves, Metallic. Rich Tool Company. No. 98,422; July 14; Gaz. vol. 204; p. 671.
- Valves, water-closets, and parts thereof, Metallic. Sloan Valve Company. No. 99,361; Aug. 25; Gaz. vol. 205; p. 1320.
- Vanilla extract. T. M. Sayman. No. 95,482; Feb. 17; Gaz. vol. 199; p. 936.
- Vapor - condensers, steam - separators, &c. The Griscom-Russell Company. No. 98,950; Aug. 11; Gaz. vol. 205; p. 656.
- Varnish. The Amber Chemical Co. No. 97,107; May 19; Gaz. vol. 202; p. 947.
- Varnish. Louisville Varnish Co. No. 101,470; Dec. 15; Gaz. vol. 209; p. 1050.
- Varnish. Louisville Varnish Co. No. 101,522; Dec. 22; Gaz. vol. 209; p. 1313.
- Varnish. Murphy Varnish Co. No. 101,472; Dec. 15; Gaz. vol. 209; p. 1050.
- Varnish. The Patterson-Sargent Company. No. 95,556; Feb. 24; Gaz. vol. 199; p. 1240.
- Varnish. Remien & Kuhnert Co. No. 101,327; Nov. 24; Gaz. vol. 208; p. 1353.
- Varnish. Royal Varnish Company. No. 97,895; June 23; Gaz. vol. 203; p. 1257.
- Varnish. M. G. Stoneman & Son. No. 100,044; Sept. 29; Gaz. vol. 206; p. 1434.
- Varnish or paint. The Sherwin-Williams Company. No. 101,599; Dec. 29; Gaz. vol. 209; p. 1688.
- Varnish-polish. W. H. Damon. No. 99,958; Sept. 29; Gaz. vol. 206; p. 1431.
- Varnish, Shellac. Berry Brothers. No. 100,081; Oct. 6; Gaz. vol. 207; p. 293.
- Varnish, Waterproof. C. A. Woolsey Paint & Color Co. No. 98,991; Aug. 11; Gaz. vol. 205; p. 657.
- Varnishes. Flint Varnish Works. No. 97,760; June 16; Gaz. vol. 203; p. 924.
- Varnishes. W. P. Fuller & Co. Nos. 96,266-8; Apr. 14; Gaz. vol. 201; p. 564.
- Varnishes. Kiley Hardware Company. No. 99,472; Sept. 1; Gaz. vol. 206; p. 308.
- Varnishes. Pratt & Lambert. No. 95,471; Feb. 17; Gaz. vol. 199; p. 935.
- Varnishes. Tousey Varnish Company. No. 98,833; Aug. 4; Gaz. vol. 205; p. 300.
- Varnishes. United States Gutta Percha Paint Company. No. 96,209; Apr. 7; Gaz. vol. 201; p. 264.
- Varnishes, &c., for electrical insulation. Benolite Company. No. 97,672; June 16; Gaz. vol. 203; p. 921.
- Varnishes, japans, enamels, &c. Chicago Varnish Co. No. 100,955; Nov. 3; Gaz. vol. 208; p. 333.
- Varnishes, manufactured paints, enamels, japans, &c. Chicago Varnish Company. No. 95,401; Feb. 17; Gaz. vol. 199; p. 933.
- Varnishes, paints, and colors ground in oil. Evansville Paint & Varnish Co. No. 98,943; Aug. 11; Gaz. vol. 205; p. 655.
- Vaults, Grave. The National Grave Vault Company. No. 101,488; Dec. 15; Gaz. vol. 209; p. 1050.
- Vegetable extract. J. W. Beardsley's Sons. No. 96,392; Apr. 21; Gaz. vol. 201; p. 895.
- Vegetable extracts and bouillon - cubes. The Sincarna Company. No. 101,224; Nov. 17; Gaz. vol. 208; p. 982.
- Vegetable substances, alone or mixed with certain other substances, Certain. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 95,085; Feb. 3; Gaz. vol. 199; p. 298.
- Vehicle-springs. Sheldon Axle Company. No. 95,358; Feb. 10; Gaz. vol. 199; p. 613.
- Vehicle-springs other than automobile. Illinois Iron & Bolt Co. No. 97,242; May 26; Gaz. vol. 202; p. 1254.
- Vehicle wheel spokes and nipples, Wire. The National Screw & Tack Company. No. 100,992; Nov. 3; Gaz. vol. 208; p. 334.
- Vehicles and parts therefor, Certain named. Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft. No. 98,723; July 28; Gaz. vol. 204; p. 1342.
- Vehicles and parts thereof, Certain named. The Hendee Manufacturing Co. No. 97,053; May 19; Gaz. vol. 202; p. 945.
- Vehicles and parts thereof, Certain named. Kronprinz Act. Ges. Für Metallindustrie. No. 101,485; Dec. 15; Gaz. vol. 209; p. 1050.
- Vehicles and parts thereof, not including engines, Certain named. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 97,226; May 26; Gaz. vol. 202; p. 1254.
- Vehicles and parts thereof, Self-propelled. Hendee Manufacturing Co. No. 98,282; July 7; Gaz. vol. 204; p. 314.
- Vehicles and wheelbarrows for children's use, Certain named hand and foot propelled. A. Mecky & Co. No. 98,798; Aug. 4; Gaz. vol. 205; p. 299.
- Vehicles, Electric. General Vehicle Company. Nos. 96,271-2; Apr. 14; Gaz. vol. 201; p. 564.
- Vehicles, Metal wheels and stampings in metal for motor. Joseph Sankey & Sons. No. 100,425; Oct. 20; Gaz. vol. 207; p. 924.
- Vehicles, Motor. Palmer & Singer Manufacturing Company. No. 99,623; Sept. 8; Gaz. vol. 206; p. 585.
- Vehicles, Motor. Palmer & Singer Manufacturing Company. No. 100,391; Oct. 20; Gaz. vol. 207; p. 923.
- Vehicles, vehicle tops and bodies. The Mandel Limousine Co. No. 96,312; Apr. 14; Gaz. vol. 201; p. 565.
- Vehicles with pneumatic springs. Cowles-MacDowell Pneumobile Co. No. 100,283; Oct. 20; Gaz. vol. 207; p. 920.
- Veilings and nettings. E. & Z. Van Raalte. No. 99,519; Sept. 1; Gaz. vol. 206; p. 310.
- Velvets and plushes. The Salt's Textile Manufacturing Company. Nos. 98,426-7; July 14; Gaz. vol. 204; p. 671.
- Velvets and plushes in the piece. The Salt's Textile Manufacturing Company. No. 97,080; May 19; Gaz. vol. 202; p. 946.
- Velvets and plushes in the piece. The Salt's Textile Manufacturing Company. No. 97,727; June 16; Gaz. vol. 203; p. 923.
- Velvets and plushes in the piece. The Salt's Textile Manufacturing Company. Nos. 97,785-6; June 16; Gaz. vol. 203; pp. 924-5.
- Velvets and plushes in the piece. The Salt's Textile Manufacturing Company. No. 97,899; June 23; Gaz. vol. 203; p. 1258.
- Velvets and plushes in the piece. The Salt's Textile Manufacturing Company. No. 98,570; July 21; Gaz. vol. 204; p. 1008.
- Velvets and plushes in the piece. The Salt's Textile Manufacturing Company. No. 98,819; Aug. 4; Gaz. vol. 205; p. 299.
- Velvets and plushes in the piece. The Salt's Textile Manufacturing Company. No. 98,897; Aug. 4; Gaz. vol. 205; p. 302.
- Velvets and plushes in the piece. The Salt's Textile Manufacturing Company. Nos. 99,502-3; Sept. 1; Gaz. vol. 206; p. 309.
- Vending and dispensing machines. The R. & H. Manufacturing Company. No. 98,089; June 30; Gaz. vol. 203; p. 1553.
- Vending - machines, knife - sharpeners, and egg - beaters. Ramco Manufacturing Company. Nos. 101,324-6; Nov. 24; Gaz. vol. 208; p. 1353.

Alphabetical list of trade-marks—Continued.

- Venereal diseases, Preventive of. Pru-Va Chemical Co. No. 98,196; July 7; Gaz. vol. 204; p. 311.
- Ventilating apparatus. L. J. Wing Mfg. Co. No. 95,278; Feb. 3; Gaz. vol. 199; p. 304.
- Ventilators. W. H. Jardine. No. 100,829; Oct. 27; Gaz. vol. 207; p. 1243.
- Vermifuge. Wright's Indian Vegetable Pill Company. No. 98,992; Aug. 11; Gaz. vol. 205; p. 657.
- Vermin - destruction compound. G. A. Faxlanger. No. 101,277; Nov. 24; Gaz. vol. 208; p. 1351.
- Vermin - exterminator. London Hygienic Chemical Co. No. 96,435; Apr. 21; Gaz. vol. 201; p. 896.
- Vermuth. F. Cinzano & Co. No. 95,745; Mar. 10; Gaz. vol. 200; p. 577.
- Vermuth. Noilly Prat & Cie. No. 96,993; May 12; Gaz. vol. 202; p. 629.
- Veterinary medicines. W. L. Keltner. No. 98,784; Aug. 4; Gaz. vol. 205; p. 298.
- Veterinary surgical instruments, Certain named. I. O. Crittenden. No. 96,946; May 12; Gaz. vol. 202; p. 627.
- Vinegar, Cider. Oakland Vinegar & Pickle Co. No. 98,313; July 7; Gaz. vol. 204; p. 315.
- Vinegar, sauer-kraut, pickles, &c. B. A. Hancock. No. 100,814; Oct. 27; Gaz. vol. 207; p. 1243.
- Vinegar, Sugar. Oakland Vinegar & Pickle Company. No. 101,081; Nov. 10; Gaz. vol. 208; p. 652.
- Vulneraries. Nelson, Baker & Co. No. 97,265; May 26; Gaz. vol. 202; p. 1255.
- Wafers and preparations for headaches, neuralgic pains, &c. Jaynes Drug Co. No. 101,292; Nov. 24; Gaz. vol. 208; p. 1352.
- Wafers, biscuits, and crackers. Biscuitfabriek "de Lindeboom" firma Wed. B. van Doesburg. No. 95,200; Feb. 3; Gaz. vol. 199; p. 301.
- Wafers, cakes, crackers, and biscuits, Sugar. Peerless Biscuit Company. No. 100,399; Oct. 20; Gaz. vol. 207; p. 924.
- Wafers, Liver-. E. Lehman. No. 96,145; Apr. 7; Gaz. vol. 201; p. 263.
- Wagons and parts thereof. International Harvester Corporation. No. 96,298; Apr. 14; Gaz. vol. 201; p. 565.
- Wagons, buggies, and automobiles. A. Murphy & Son. No. 98,073; June 30; Gaz. vol. 203; p. 1553.
- Waists and blouses. Shapiro Bros. No. 100,635; Oct. 20; Gaz. vol. 207; p. 931.
- Waist and skirt supporters. E. J. McKinney. No. 96,706; Apr. 28; Gaz. vol. 201; p. 1215.
- Waists, Ladies' shirt. I. Kaitz. No. 100,835; Oct. 27; Gaz. vol. 207; p. 1243.
- Waists, Shirt and dress. The Forsythe Waist Co. No. 95,090; Feb. 3; Gaz. vol. 199; p. 298.
- Waists, shirt-waists, and dresses, Dress-. Goldstein Bros. No. 100,801; Oct. 27; Gaz. vol. 207; p. 1242.
- Waists, shirts, and overalls, Boys' outer. Carson, Pirie, Scott & Co. No. 95,061; Feb. 3; Gaz. vol. 199; p. 297.
- Waists, Women's and girls' outer. Bloom & Millman. No. 100,757; Oct. 27; Gaz. vol. 207; p. 1241.
- Waistcoats and vests. W. Bloom. No. 101,360; Dec. 8; Gaz. vol. 209; p. 679.
- Wall and ceiling composition board. H. W. Johns-Manville Co. No. 99,313; Aug. 25; Gaz. vol. 205; p. 1318.
- Wall and ceiling decorative fabric. Lincrusta Works "Pallas." No. 99,476; Sept. 1; Gaz. vol. 206; p. 309.
- Wall-board, Wood-fiber. C. O. Frisbie. No. 99,455; Sept. 1; Gaz. vol. 206; p. 308.
- Wall-finish, Flat. The American Paint Works. No. 95,040; Feb. 3; Gaz. vol. 199; p. 297.
- Wallets. W. D. Morgan. No. 98,070; June 30; Gaz. vol. 203; p. 1553.
- Wardrobes and hangers for same. Innovation Trunk Company. No. 97,701; June 16; Gaz. vol. 203; p. 922.
- Washboards. National Washboard Company. Nos. 99,338-50; Aug. 25; Gaz. vol. 205; pp. 1319-20.
- Washboards. National Washboard Company. Nos. 100,385-6; Oct. 20; Gaz. vol. 207; p. 923.
- Washboards. National Washboard Company. Nos. 100,594-9; Oct. 20; Gaz. vol. 207; pp. 929-30.
- Washboards and wringers and clothes-washers. Hibbard, Spencer, Bartlett & Co. No. 99,307; Aug. 25; Gaz. vol. 205; p. 1318.
- Washers, gaskets, packing, &c., Composition for making. Hudson Mechanical Rubber Company. No. 99,744; Sept. 15; Gaz. vol. 206; p. 871.
- Washing compound. Fitzpatrick Bros. Nos. 98,270-1; July 7; Gaz. vol. 204; p. 313.
- Washing compound. F. A. Frohe. No. 97,473; June 9; Gaz. vol. 203; p. 595.
- Washing compound. H. E. Jacobson. No. 101,252; Nov. 17; Gaz. vol. 208; p. 983.
- Washing compound and detergent. Fitzpatrick Bros. No. 100,314; Oct. 20; Gaz. vol. 207; p. 921.
- Washing compound, Laundry. The Celluloid Starch Company. No. 99,843; Sept. 22; Gaz. vol. 206; p. 1157.
- Washing-compound tablets. The Celluloid Starch Company. No. 99,844; Sept. 22; Gaz. vol. 206; p. 1157.
- Washing compounds. Ozone Company. No. 100,390; Oct. 20; Gaz. vol. 207; p. 923.
- Washing device, Sheepskin and wool mitten as a. A. Fischer. No. 99,869; Sept. 22; Gaz. vol. 206; p. 1158.
- Washing fluid. Gaffney Brothers. No. 98,507; July 21; Gaz. vol. 204; p. 1006.
- Washing fluid. G. L. Wilde. No. 100,466; Oct. 20; Gaz. vol. 207; p. 926.
- Washing-machines. Barlow & Seelig Mfg. Co. No. 96,774; May 5; Gaz. vol. 202; p. 309.
- Washing-machines. The Blackstone Manufacturing Company. Nos. 96,237-9; Apr. 14; Gaz. vol. 201; p. 563.
- Washing-machines. Couch-Dean Corporation. No. 95,402; Feb. 17; Gaz. vol. 199; p. 933.
- Washing-machines. Federal Sign System (Electric). No. 96,003; Mar. 31; Gaz. vol. 200; p. 1386.
- Washing-machines. The Lockwood - Luetkemeyer - Henry Company. No. 96,433; Apr. 21; Gaz. vol. 201; p. 896.
- Washing machines and parts, Power laundry-. Flint and Walling Manufacturing Co. No. 100,315; Oct. 20; Gaz. vol. 207; p. 921.
- Washing-machines and washing-machine wringers. Globe Manufacturing Company. No. 98,765; Aug. 4; Gaz. vol. 205; p. 298.
- Washing machines, Laundry-. Fairbanks, Morse & Company. No. 99,572; Sept. 8; Gaz. vol. 206; p. 584.
- Washing machines, Laundry-. Richmond Cedar Works. No. 97,781; June 16; Gaz. vol. 203; p. 924.
- Washing machines, Laundry-. T. H. E. Sales Company. No. 96,721; Apr. 28; Gaz. vol. 201; p. 1216.
- Washing machines, Laundry-. Winger Blume Mfg. Co. No. 101,437; Dec. 8; Gaz. vol. 209; p. 681.
- Washing-paste. G. H. Donah & Co. No. 97,409; June 2; Gaz. vol. 203; p. 300.
- Washing-powder. H. W. Boynton. No. 95,051; Feb. 3; Gaz. vol. 199; p. 297.
- Washing-powder. A. Z. Holmes. No. 97,421; June 2; Gaz. vol. 203; p. 300.
- Washing-powder. James Pyle & Sons. No. 97,439; June 2; Gaz. vol. 203; p. 301.
- Washing-powders. The N. K. Fairbank Company. No. 96,657; Apr. 28; Gaz. vol. 201; p. 1214.
- Watchcases. The Wadsworth Watch Case Co. Nos. 97,094-6; May 19; Gaz. vol. 202; p. 947.
- Watchcases, Eighteen-caret-gold. The Dueber Watch Case Mfg. Co. No. 98,264; July 7; Gaz. vol. 204; p. 313.
- Watchcases, Ten-caret-gold. The Dueber Watch Case Mfg. Co. No. 98,263; July 7; Gaz. vol. 204; p. 313.
- Watches. The E. Ingraham Co. No. 95,107; Feb. 3; Gaz. vol. 199; p. 299.
- Watches. A. Schwob. No. 96,352; Apr. 14; Gaz. vol. 201; p. 567.
- Watches and clocks. Ansonia Clock Company. No. 98,233; July 7; Gaz. vol. 204; p. 312.
- Watches and clocks. E. Kienzle. No. 99,054; Aug. 11; Gaz. vol. 205; p. 659.
- Watches and clocks. The Webb C. Ball Watch Company. No. 101,089; Nov. 10; Gaz. vol. 208; p. 653.
- Watches and parts and watchcases. A. Wittnauer Co. Nos. 98,107-8; June 30; Gaz. vol. 203; p. 1554.
- Watches, clocks, and chronometers. Waltham Watch Company. No. 99,132; Aug. 18; Gaz. vol. 205; p. 1016.
- Watches, clocks, watchcases, &c. Didisheim, Goldschmidt Fils et Cie., Fabrique Juvenia. No. 100,524; Oct. 20; Gaz. vol. 207; p. 927.
- Watches, watchcases, and watch-movements. The Keystone Watch Case Company. No. 99,754; Sept. 15; Gaz. vol. 206; p. 871.
- Watches, watchcases, and watch-movements. Adolph Schwab. No. 100,036; Sept. 29; Gaz. vol. 206; p. 1434.
- Watches, watchcases, and watch-movements. A. Schwob. No. 100,225; Oct. 13; Gaz. vol. 207; p. 606.
- Water and ginger-ale, Mineral. N. F. Shivar. No. 98,824; Aug. 4; Gaz. vol. 205; p. 299.
- Water, Carbonated. O. E. Mueller. No. 97,435; June 2; Gaz. vol. 203; p. 301.
- Water, Carbonated mineral. I. Merkel & Son. No. 99,330; Aug. 25; Gaz. vol. 205; p. 1519.
- Water-gages. Sargent Company. No. 96,722; Apr. 28; Gaz. vol. 201; p. 1216.
- Water heaters and storage systems, Instantaneous. Ruud Manufacturing Company. No. 99,501; Sept. 1; Gaz. vol. 206; p. 309.
- Water, Melissa. Renouard-Larivière & Cie. No. 101,492; Dec. 15; Gaz. vol. 209; p. 1050.
- Water, Mineral. Arrowhead Hot Springs Company. No. 95,386; Feb. 17; Gaz. vol. 199; p. 933.
- Water, Mineral. Arrowhead Hot Springs Company. No. 98,033; June 30; Gaz. vol. 203; p. 1552.
- Water, Mineral. A. P. Garcia. No. 101,377; Dec. 8; Gaz. vol. 209; p. 679.
- Water, Mineral. H. R. Melster. No. 97,872; June 23; Gaz. vol. 203; p. 1257.
- Water, Mineral. Mt. Clemens Mineral Springs Water Co. No. 97,264; May 26; Gaz. vol. 202; p. 1255.
- Water, Mineral-spring. D. B. Henderson. No. 96,512; Apr. 21; Gaz. vol. 201; p. 898.
- Water, Natural filtered drinking-. Rayvio Water Co. No. 96,181; Apr. 7; Gaz. vol. 201; p. 264.
- Water, Natural mineral. I. E. Johnson. No. 99,469; Sept. 1; Gaz. vol. 206; p. 308.
- Water, Natural mineral. W. H. Robertson. No. 96,189; Apr. 7; Gaz. vol. 201; p. 264.
- Water purifying and treating materials. The Permutit Company. No. 94,825; Jan. 6; Gaz. vol. 198; p. 236.

Alphabetical list of trade-marks—Continued.

- Water-softening compound. The Softene Company. No. 98,324; July 7; Gaz. vol. 204; p. 315.
- Water, Spring-. F. W. Fanson & Son. No. 98,052; June 30; Gaz. vol. 203; p. 1552.
- Waters, Mineral. L. Smith. No. 96,198; Apr. 7; Gaz. vol. 201; p. 264.
- Waters, Mineral. Sol Duc Hot Springs Company. No. 98,827; Aug. 4; Gaz. vol. 205; p. 300.
- Waterproof baby-pants. I. B. Kleinert. No. 101,070; Nov. 10; Gaz. vol. 208; p. 652.
- Waterproof coats. C. A. Annis. No. 98,918; Aug. 11; Gaz. vol. 205; p. 655.
- Waterproof coats. A. J. Tower Company. No. 97,912; June 23; Gaz. vol. 203; p. 1258.
- Waterproof textile fabrics. L. C. Chase & Company. No. 95,744; Mar. 10; Gaz. vol. 200; p. 577.
- Waterproofing compound for cotton and woolen fabrics or leather. A. K. Draper. No. 101,038; Nov. 10; Gaz. vol. 208; p. 651.
- Waterproofing material for incorporating in concrete, cement, or the like. Integral Waterproofing Company. No. 98,287; July 7; Gaz. vol. 204; p. 314.
- Waterproofing preparation for cement, mortar, &c., Chemical. Ceresit Waterproofing Co. No. 101,456; Dec. 15; Gaz. vol. 209; p. 1049.
- Wax, Ceresin-. Ernst Schliemann's Export-Ceresin-Fabrik, Gesellschaft mit beschränkter Haftung. No. 95,850; Mar. 17; Gaz. vol. 200; p. 854.
- Wax, Ironing-. Columbia Wax Products Co. No. 96,107; Apr. 7; Gaz. vol. 201; p. 262.
- Wax, Ironing-. Wizard Products Company. No. 100,470; Oct. 20; Gaz. vol. 207; p. 926.
- Wax, Paraffin-. Columbia Wax Works. No. 100,100; Oct. 6; Gaz. vol. 207; p. 294.
- Weather-strips. American Weather Strip Company. No. 101,354; Dec. 8; Gaz. vol. 209; p. 679.
- Weather-strips, Metal. J. D. Pierce. No. 97,272; May 26; Gaz. vol. 202; p. 1255.
- Weighing machines and scales. John Chatillon & Sons. No. 99,947; Sept. 29; Gaz. vol. 206; p. 1431.
- Welding-torches and apparatus for cutting metals, &c. O. Rincheval. No. 99,243; Aug. 25; Gaz. vol. 205; p. 1316.
- Well machines or apparatus, Certain named. Southern Well Works Co. No. 97,285; May 26; Gaz. vol. 202; p. 1255.
- Whips. Cargill, Cleveland & Company. No. 99,280; Aug. 25; Gaz. vol. 205; p. 1317.
- Whips. Steimer & Moore Whip Co. No. 95,361; Feb. 10; Gaz. vol. 199; p. 613.
- Whiskies. Stark Distillery Co. No. 101,545; Dec. 22; Gaz. vol. 209; p. 1314.
- Whiskies and gins. Gordon Distilling and Distributing Company. No. 98,383; July 14; Gaz. vol. 204; p. 670.
- Whiskies, Blended. R. M. Rose Company. No. 96,343; Apr. 14; Gaz. vol. 201; p. 566.
- Whiskies, Rye and Bourbon. Valley Park Distillery. No. 98,721; July 28; Gaz. vol. 204; p. 1342.
- Whiskies, Scotch. The Distillers Coy. No. 95,892; Mar. 24; Gaz. vol. 200; p. 1110.
- Whiskies, Straight, blended, compounded, and imitation. Stone Hill Wine Company. No. 98,987; Aug. 11; Gaz. vol. 205; p. 657.
- Whisky. W. Albrecht. No. 94,972; Jan. 20; Gaz. vol. 198; p. 699.
- Whisky. C. Berry & Co. No. 95,736; Mar. 10; Gaz. vol. 200; p. 577.
- Whisky. C. Berry & Co. No. 95,978; Mar. 31; Gaz. vol. 200; p. 1385.
- Whisky. B. B. Davis & Company. No. 96,793; May 5; Gaz. vol. 202; p. 309.
- Whisky. Peter Dawson, Ltd. No. 97,218; May 26; Gaz. vol. 202; p. 1253.
- Whisky. Peter Dawson, Ltd. No. 97,684; June 16; Gaz. vol. 203; p. 921.
- Whisky. R. B. Grainger Distilling Co. No. 97,237; May 26; Gaz. vol. 202; p. 1254.
- Whisky. D. Hellbron & Sons. No. 97,241; May 26; Gaz. vol. 202; p. 1254.
- Whisky. H. W. Huguley Co. Nos. 101,168-9; Nov. 17; Gaz. vol. 208; p. 980.
- Whisky. H. C. Knode. Nos. 95,115-16; Feb. 3; Gaz. vol. 199; p. 299.
- Whisky. M. Mayer. No. 98,410; July 14; Gaz. vol. 204; p. 670.
- Whisky. J. McEwan & Co. No. 95,127; Feb. 3; Gaz. vol. 199; p. 299.
- Whisky. C. P. Moorman & Company. No. 99,332; Aug. 25; Gaz. vol. 205; p. 1319.
- Whisky. Peter Pan Distilling Company. Nos. 96,535-6; Apr. 21; Gaz. vol. 201; p. 899.
- Whisky. R. Rose. Nos. 96,537-9; Apr. 21; Gaz. vol. 201; p. 899.
- Whisky. R. M. Rose Company. No. 96,047; Mar. 31; Gaz. vol. 200; p. 1387.
- Whisky. C. H. Ross & Co. No. 96,541; Apr. 21; Gaz. vol. 201; p. 899.
- Whisky. Roth & Co. Nos. 101,423; Dec. 8; Gaz. vol. 209; p. 681.
- Whisky. Shawhan Distillery Company. No. 95,789; Mar. 10; Gaz. vol. 200; p. 579.
- Whisky. The Strong & Trowbridge Co. No. 101,059; Nov. 10; Gaz. vol. 208; p. 652.
- Whisky. The I. Trager Co. No. 97,573; June 9; Gaz. vol. 203; p. 598.
- Whisky. United Wine & Trading Co. No. 95,963; Mar. 24; Gaz. vol. 200; p. 1112.
- Whisky. The John Wedderburn Co. Nos. 95,499-502; Feb. 17; Gaz. vol. 199; p. 936.
- Whisky. The John Wedderburn Co. No. 98,346; July 7; Gaz. vol. 204; p. 316.
- Whisky. F. Westheimer & Sons. No. 97,662; June 16; Gaz. vol. 203; p. 921.
- Whisky, Blend. J. W. Hollinger. No. 95,429; Feb. 17; Gaz. vol. 199; p. 934.
- Whisky, Blend of rye. Goldberg, Bowen & Co. No. 101,574; Dec. 29; Gaz. vol. 209; p. 1687.
- Whisky, Blend of rye and Bourbon. The J. & G. Butler Co. No. 96,781; May 5; Gaz. vol. 202; p. 309.
- Whisky, Blended. C. F. Lauber. No. 101,468; Dec. 15; Gaz. vol. 209; p. 1050.
- Whisky, Blended. R. M. Rose Company. Nos. 96,344-5; Apr. 14; Gaz. vol. 201; p. 566.
- Whisky, Blended. Rothschild Bros. No. 95,151; Feb. 3; Gaz. vol. 199; p. 300.
- Whisky, Blended. J. H. Stewart. No. 95,959; Mar. 24; Gaz. vol. 200; p. 1112.
- Whisky, Blended. Wichman, Lutgen & Co. No. 96,378; Apr. 14; Gaz. vol. 201; p. 567.
- Whisky, Blended Scotch. Gold Spring Distilling Co. No. 101,380; Dec. 8; Gaz. vol. 209; p. 680.
- Whisky, brandy, and gin. W. C. Dittus. No. 99,290; Aug. 25; Gaz. vol. 205; p. 1318.
- Whisky, cognac, brandy, rum, &c. R. Rose. No. 96,830; May 5; Gaz. vol. 202; p. 310.
- Whisky, Copper-distilled. Gibson Distilling Company. No. 97,533; June 9; Gaz. vol. 203; p. 597.
- Whisky, gin, and brandy, Blended. Goldberg, Bowen & Co. No. 94,905; Jan. 13; Gaz. vol. 198; p. 490.
- Whisky, gin, and rock and rye. David Nicholson Grocer Company. No. 99,351; Aug. 25; Gaz. vol. 205; p. 1320.
- Whisky, gin, brandy, and cocktails. Goldberg, Bowen & Co. No. 101,445; Dec. 15; Gaz. vol. 209; p. 1049.
- Whisky, gin, brandy, rum, and cocktails. M. Simon. No. 101,537; Dec. 22; Gaz. vol. 209; p. 1314.
- Whisky, Hand-made sour-mash. S. C. Herbst Importing Co. No. 96,513; Apr. 21; Gaz. vol. 201; p. 898.
- Whisky, Scotch. Mackie & Coy. Distillers. No. 101,072; Nov. 10; Gaz. vol. 208; p. 652.
- Whisky, Scotch blend. Imperial Liquor Company. No. 98,391; July 14; Gaz. vol. 204; p. 670.
- Whisky, Straight. Rush Dist. Co. No. 97,784; June 16; Gaz. vol. 203; p. 924.
- Whisky, Straight. The Turner-Looker Co. No. 99,920; Sept. 22; Gaz. vol. 206; p. 1159.
- Wind-shields. Vanguard Manufacturing Co. No. 98,101; June 30; Gaz. vol. 203; p. 1554.
- Winding-machines and parts thereof. Universal Winding Company. No. 99,667; Sept. 8; Gaz. vol. 206; p. 587.
- Window-sash, doors, partitions, &c., Metal. Detroit Steel Products Co. No. 100,291; Oct. 20; Gaz. vol. 207; p. 920.
- Window-shade carriers, metal curtain-fixtures, and shade-adjusters. The Agus Shade Carrier Company. No. 98,349; July 14; Gaz. vol. 204; p. 669.
- Window-washing preparation. Waterless Window Washer Manufacturing Company. No. 100,666; Oct. 20; Gaz. vol. 207; p. 932.
- Wine. Cella Brothers. No. 98,478; July 21; Gaz. vol. 204; p. 1005.
- Wine. H. C. Myers. No. 97,552; June 9; Gaz. vol. 203; p. 598.
- Wine. Wilhelmi, Hock & Co. No. 98,845; Aug. 4; Gaz. vol. 205; p. 300.
- Wine appetizer. Mariani and Company. No. 100,133; Oct. 6; Gaz. vol. 207; p. 294.
- Wine appetizer. Mariani and Company. No. 100,576; Oct. 20; Gaz. vol. 207; p. 929.
- Wine, Champagne-. A. de Montebello & Co. No. 95,839; Mar. 17; Gaz. vol. 200; p. 853.
- Wine, Champagne-. L. O. Roederer. No. 96,996; May 12; Gaz. vol. 202; p. 629.
- Wine, Port-. D. M. Feuerheerd, Junior & Companhia. No. 100,535; Oct. 20; Gaz. vol. 207; p. 928.
- Wine, Port-. M. P. Guimaraens & Son. Nos. 97,694-5; June 16; Gaz. vol. 203; p. 922.
- Wine, rose-vin, and sherry-wine, Port-. R. Rose. No. 96,044; Mar. 31; Gaz. vol. 200; p. 1387.
- Wine, Sherry-. J. Wile, Sons & Co. No. 97,794; June 16; Gaz. vol. 203; p. 925.

Alphabetical list of trade-marks—Continued.

- Wine, Sherry, port, and dessert. R. Rose. No. 96,045; Mar. 31; Gaz. vol. 200; p. 1387.
- Wines. Carmel Wine Company. No. 97,318; June 2; Gaz. vol. 203; p. 297.
- Wines. C. F. Eccardt & Co. No. 94,989; Jan. 20; Gaz. vol. 198; p. 699.
- Wines. E. Fucini. No. 99,149; Aug. 18; Gaz. vol. 205; p. 1017.
- Whisky. J. L. Schneller. No. 97,904; June 23; Gaz. vol. 203; p. 1258.
- Wines. E. G. Hecht. No. 100,121; Oct. 6; Gaz. vol. 207; p. 294.
- Wines. A. Mattei. No. 95,125; Feb. 3; Gaz. vol. 199; p. 299.
- Wines. T. L. Orr. No. 95,139; Feb. 3; Gaz. vol. 199; p. 300.
- Wines. R. Rose. No. 96,191; Apr. 7; Gaz. vol. 201; p. 264.
- Wines. R. M. Rose Company. No. 96,192; Apr. 7; Gaz. vol. 201; p. 264.
- Wines. The A. Schmidt Jr. & Bros. Wine Co. No. 95,566; Feb. 24; Gaz. vol. 199; p. 1240.
- Wines. Société Civile du Vignoble de Chateau-Latour. No. 95,165; Feb. 3; Gaz. vol. 199; p. 300.
- Wines. Stone Hill Wine Company. No. 95,574; Feb. 24; Gaz. vol. 199; p. 1241.
- Wines. Stone Hill Wine Company. No. 96,206; Apr. 7; Gaz. vol. 201; p. 264.
- Wines. The Sweet Valley Wine Company. No. 96,546; Apr. 21; Gaz. vol. 201; p. 899.
- Wines and champagne. Lallier, Van Cassel & Cie. No. 96,143; Apr. 7; Gaz. vol. 201; p. 262.
- Wines and champagne. Lallier, Van Cassel & Cie. No. 96,518; Apr. 21; Gaz. vol. 201; p. 898.
- Wines and champagne. D. Leiden G. m. b. H. No. 95,119; Feb. 3; Gaz. vol. 199; p. 299.
- Wines and champagne. D. Leiden G. m. b. H. No. 97,868; June 23; Gaz. vol. 203; p. 1257.
- Wines and champagne. Still and sparkling. D. Leiden G. m. b. H. Nos. 95,442-3; Feb. 17; Gaz. vol. 199; p. 934.
- Wines, Certain named. David Nicholson Grocer Company. No. 98,806; Aug. 4; Gaz. vol. 205; p. 299.
- Wines, Champagne. Chandon et Cie. No. 95,300; Feb. 10; Gaz. vol. 199; p. 611.
- Wines, Champagne and other sparkling. G. H. Mumm & Co. No. 97,877; June 23; Gaz. vol. 203; p. 1257.
- Wines, Light-red table. Luigi Calissano & Figli. No. 96,399; Apr. 21; Gaz. vol. 201; p. 895.
- Wines, Sparkling. Luigi Calissano & Figli. No. 95,328; Feb. 10; Gaz. vol. 199; p. 612.
- Wines, Still and sparkling. V. F. Bosco. No. 95,515; Feb. 24; Gaz. vol. 199; p. 1239.
- Wines, Sweet table. Liebenthal Bros. & Co. No. 99,321; Aug. 25; Gaz. vol. 205; p. 1319.
- Wire. D. Meyer & C. No. 100,988; Nov. 3; Gaz. vol. 208; p. 334.
- Wire, Barbed. Keystone Steel & Wire Company. No. 94,911; Jan. 13; Gaz. vol. 198; p. 491.
- Wire belt-lace. V. M. Luneburg. No. 96,149; Apr. 7; Gaz. vol. 201; p. 263.
- Wire-cloth. Ludlow-Saylor Wire Company. No. 95,640; Mar. 3; Gaz. vol. 200; p. 274.
- Wire goods, plumbing-supplies, chain cables, &c., Certain named. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 95,898; Mar. 24; Gaz. vol. 200; p. 1110.
- Wire grips and stretchers and woven-wire stretchers. The Mason Fence Company. No. 96,028; Mar. 31; Gaz. vol. 200; p. 1386.
- Wire, metals in certain named forms, castings, forgings, &c. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 98,499; July 21; Gaz. vol. 204; p. 1006.
- Wire rope. A. Leschen & Sons Rope Company. No. 100,712; Oct. 20; Gaz. vol. 207; p. 933.
- Wire rope and cables. Gibson's Limited. No. 94,811; Jan. 6; Gaz. vol. 198; p. 235.
- Wire rope, Steel. The Upson-Walton Co. No. 96,553; Apr. 21; Gaz. vol. 201; p. 900.
- Wire screen-cloth. Reynolds Wire Co. No. 100,157; Oct. 6; Gaz. vol. 207; p. 295.
- Witch-hazel. E. E. Dickinson. No. 97,530; June 9; Gaz. vol. 203; p. 597.
- Wood, fiber, or paper, Certain named articles made of. C. C. Truax & Company. No. 95,023; Jan. 20; Gaz. vol. 198; p. 700.
- Wood-finish. F. P. Doerr. No. 98,861; Aug. 4; Gaz. vol. 205; p. 301.
- Wood-polish. F. W. Curtis. No. 98,134; July 7; Gaz. vol. 204; p. 309.
- Wood polish and cleaner. B. Heller & Co. No. 97,697; June 16; Gaz. vol. 203; p. 922.
- Wood-polishes. P. G. Davis. No. 97,755; June 16; Gaz. vol. 203; p. 924.
- Wood-preservative, Liquid. The McClure Company. No. 96,705; Apr. 28; Gaz. vol. 201; p. 1215.
- Wood-pulp fiber, sulfite fiber. The British Columbia Sulphite Fibre Co. No. 96,636; Apr. 28; Gaz. vol. 201; p. 1213.
- Wood substitutes of pulp. The Agasote Millboard Co. No. 99,413; Sept. 1; Gaz. vol. 206; p. 307.
- Woodwork cleaner and polisher. Quaker Cleanser Co. No. 98,419; July 14; Gaz. vol. 204; p. 671.
- Woodwork, furniture, automobile, &c., polishes. Nu Life Products Company. No. 100,022; Sept. 29; Gaz. vol. 206; p. 1433.
- Woodworking and wood and metal finishing machines, Certain named. The Berlin Machine Works. No. 97,749; June 16; Gaz. vol. 203; p. 923.
- Woodworking-machinery and power-press safety-guards. J. M. Jones. No. 101,294; Nov. 24; Gaz. vol. 208; p. 1352.
- Wool, cotton-waste, and wool and hemp fibers, Wood. W. Rothe. No. 97,893; June 23; Gaz. vol. 203; p. 1257.
- Wool-fat. The Corona Mfg. Co. No. 99,143; Aug. 18; Gaz. vol. 205; p. 1017.
- Wool, worsted, and hair piece goods. Kafka, Rothenstein Co. No. 99,315; Aug. 25; Gaz. vol. 205; p. 1318.
- Wool, worsted, and hair piece goods. Lister & Company. No. 95,447; Feb. 17; Gaz. vol. 199; p. 935.
- Wool, worsted, or hair piece goods. Wallace, Scott & Co. No. 96,556; Apr. 21; Gaz. vol. 201; p. 900.
- Woolen and worsted serges in the piece. G. L. Rosenberg. No. 95,849; Mar. 17; Gaz. vol. 200; p. 834.
- Woolen cloth for overcoats, coats, capes, and jackets. Wallace, Scott & Co. No. 97,578; June 9; Gaz. vol. 203; p. 598.
- Woolen clothing and fabrics, Compound to remove spots from. O. Fischer. No. 96,798; May 5; Gaz. vol. 202; p. 310.
- Woolen dress goods. Haas Brothers. No. 95,759; Mar. 10; Gaz. vol. 200; p. 578.
- Woolen piece goods. American Woolen Company. No. 97,308; June 2; Gaz. vol. 203; p. 297.
- Woolen piece goods. Fisher & Kennedy. No. 95,416; Feb. 17; Gaz. vol. 199; p. 934.
- Woolen piece goods. Goodall Worsted Co. No. 97,416; June 2; Gaz. vol. 203; p. 300.
- Woolen piece goods. Haas Brothers. No. 99,094; Aug. 18; Gaz. vol. 205; p. 1015.
- Woolen piece goods. Jno. E. Magerl & Co. No. 100,367; Oct. 20; Gaz. vol. 207; p. 923.
- Woolen piece goods. S. Stein & Co. No. 98,585; July 21; Gaz. vol. 204; p. 1009.
- Woolen piece goods and tailors' trimmings. Mason & Hanson. Nos. 99,610-11; Sept. 8; Gaz. vol. 206; p. 585.
- Woolen piece goods, Mixed. E. S. Strout. No. 98,332; July 7; Gaz. vol. 204; p. 315.
- Woolen, worsted, and cotton piece goods. B. W. Greer. No. 95,093; Feb. 3; Gaz. vol. 199; p. 298.
- Woolens, worsteds, silks, cottons, and linens in the piece. Merchant Tailors Co-operative Society. No. 94,821; Jan. 6; Gaz. vol. 198; p. 235.
- Worm-eradicator, weed and insect destroyers, and disinfectants. Bon Arbor Chemical Co. No. 94,979; Jan. 20; Gaz. vol. 198; p. 699.
- Worsted and cotton piece goods. G. Garnett & Sons. No. 95,826; Mar. 17; Gaz. vol. 200; p. 853.
- Worsted piece goods. Perseverance Worsted Company. No. 99,494; Sept. 1; Gaz. vol. 206; p. 309.
- Worsted piece goods. United States Worsted Co. No. 98,719; July 28; Gaz. vol. 204; p. 1342.
- Woven yard goods and fabrics. Schermerhorn Bros. Co. No. 96,349; Apr. 14; Gaz. vol. 201; p. 567.
- Wrenches. Bonney Vise & Tool Works. No. 99,274; Aug. 25; Gaz. vol. 205; p. 1317.
- Wrenches. Cochran Pipe Wrench Mfg. Co. No. 97,823; June 23; Gaz. vol. 203; p. 1255.
- Wrenches. Eagle Claw Wrench Co. No. 95,078; Feb. 3; Gaz. vol. 199; p. 298.
- Wrenches. H. A. Smith. No. 98,902; Aug. 4; Gaz. vol. 205; p. 302.
- Wrenches. Walden Manufacturing Company. No. 100,921; Oct. 27; Gaz. vol. 207; p. 1246.
- Wringer, Clothes. The Fair. No. 100,304; Oct. 20; Gaz. vol. 207; p. 921.
- Wringer, Clothes. The Fair. No. 100,307; Oct. 20; Gaz. vol. 207; p. 921.
- Writing-pads, manifolding and print paper. United Auto-graphic Register Company. No. 94,840; Jan. 6; Gaz. vol. 198; p. 236.
- Writing-tablets. Western Tablet Co. No. 96,765; Apr. 28; Gaz. vol. 201; p. 1217.
- Writing-tablets. A. E. Wilson. No. 96,379; Apr. 14; Gaz. vol. 201; p. 567.
- X-ray apparatus. Campbell Electric Company. No. 100,091; Oct. 6; Gaz. vol. 207; p. 293.
- X-ray apparatus, Automatic switches used with. Victor Electric Company. No. 100,920; Oct. 27; Gaz. vol. 207; p. 1246.
- Yarn, Asbestos. H. W. Johns-Manville Co. No. 95,830; Mar. 17; Gaz. vol. 200; p. 853.

Alphabetical list of trade-marks—Continued.

Yarns and threads. Dexter Yarn Co. No. 95,070; Feb. 3; Gaz. vol. 199; p. 298.	Yeast. National Yeast Company. No. 96,984; May 12; Gaz. vol. 202; p. 628.
Yarns and threads. Dexter Yarn Co. No. 95,408; Feb. 17; Gaz. vol. 199; p. 933.	Yeast. Purity Yeast Company. No. 99,785; Sept. 15; Gaz. vol. 206; p. 872.
Yarns and threads. Dexter Yarn Company. No. 97,044; May 19; Gaz. vol. 202; p. 945.	Yeast-fat as a remedy for boils, acne, constipation, &c. C. F. Boehringer & Soehne. No. 97,116; May 19; Gaz. vol. 202; p. 947.
Yarns and threads. Dexter Yarn Company. No. 97,220; May 26; Gaz. vol. 202; p. 1253.	Yellow, Ceramic titanium. Foote Mineral Co. No. 99,148; Aug. 18; Gaz. vol. 205; p. 1017.
Yarns. Wool, linen, cotton, and silk. A. O. Meyer. No. 96,156; Apr. 7; Gaz. vol. 201; p. 263.	Zinc stearate. Merck & Co. No. 97,993; June 30; Gaz. vol. 203; p. 1550.
Yarns. Woolen and worsted. Baldwin & Walker. No. 99,270; Aug. 25; Gaz. vol. 205; p. 1317.	

ALPHABETICAL LIST OF LABELS.

- "A Bowl of Apples." (For Apples.) Pingree-Traung Co. No. 17,473; Jan. 20; Gaz. vol. 198; p. 701.
- "A Surety of Purity." (For Ice-Cream.) Williams Ice Cream Co. No. 17,552; Feb. 10; Gaz. vol. 199; p. 615.
- "A. H. Coller Lillien Gesichtsalbe." (For Face-Pomade.) A. H. Coller. No. 17,904; Aug. 18; Gaz. vol. 205; p. 1019.
- "A 2 A." (For Shoe-Polish.) Archbold Sales Corporation. No. 17,520; Feb. 10; Gaz. vol. 199; p. 615.
- "Adolphus Busch." (For Cigars.) Wiedmann-St. Louis Cigar Box Co. No. 17,612; Mar. 24; Gaz. vol. 200; p. 1113.
- "Aims Mfg. Co. Antiseptics." (For Antiseptics.) W. D. P. Aims, Jr. No. 17,447; Jan. 20; Gaz. vol. 198; p. 701.
- "Akron Panetelas." (For Cigars.) H. Ferbsteln. No. 18,118; Nov. 24; Gaz. vol. 208; p. 1354.
- "Aladdin Polish." (For Liquid Polish.) Aladdin Specialty Co. No. 17,960; Sept. 15; Gaz. vol. 206; p. 875.
- "All 'Round The World." (For Cigars.) J. F. Willcox. No. 17,862; July 14; Gaz. vol. 204; p. 673.
- "Almond Malted Milk Chocolate Bar." (For Chocolate Bars.) American Candy Company. No. 18,144; Dec. 15; Gaz. vol. 209; p. 1051.
- "Am-O-Kay." (For Shirts.) Salant & Salant. No. 17,631; Mar. 31; Gaz. vol. 200; p. 1389.
- "Amalgamated Mixed Paint." (For Mixed Paints.) Amalgamated Paint Company. No. 17,838; July 14; Gaz. vol. 204; p. 673.
- "Ambassador." (For Coffee.) The Western Coffee Company. No. 18,162; Dec. 22; Gaz. vol. 209; p. 1315.
- "American Beauties' Favorite Face Cream." (For Face-Cream.) The August Company. No. 17,931; Aug. 18; Gaz. vol. 205; p. 1019.
- "American Boy." (For Handkerchiefs.) Heller & Long. No. 17,534; Feb. 10; Gaz. vol. 199; p. 615.
- "American Glycerine Substitute Compound." (For American Glycerin-Substitute Compound.) J. H. Bearns, Jr. & Co. No. 17,498; Feb. 3; Gaz. vol. 199; p. 305.
- "American Union." (For Cigars.) The Moehle Lithographic Company. No. 17,543; Feb. 10; Gaz. vol. 199; p. 615.
- "Americore." (For Rubber-Covered Wire.) The American Steel & Wire Company of New Jersey. No. 17,566; Feb. 24; Gaz. vol. 199; p. 1242.
- "Amerigo Vespucci." (For Vermuth.) A. Voltter. No. 17,710; May 12; Gaz. vol. 202; p. 630.
- "Amole." (For a Hair-Tonic.) L. Plaschy. No. 17,671; Apr. 28; Gaz. vol. 201; p. 1218.
- "Angermeier's Peerless Liniment." (For Liniment.) J. A. Angermeier, Jr. No. 17,961; Sept. 15; Gaz. vol. 206; p. 875.
- "Anise Alcolohate." (For Anise Alcolohate.) L. Bregonzi & Co. No. 17,934; Sept. 1; Gaz. vol. 206; p. 311.
- "Antiseptic Quinine Hair Tonic." (For Antiseptic Quinine Hair-Tonic.) W. D. P. Aims, Jr. No. 17,449; Jan. 20; Gaz. vol. 198; p. 701.
- "Aphidspra." (For an Insecticide.) R. B. Wright. No. 18,095; Nov. 3; Gaz. vol. 208; p. 337.
- "Arabian Tapestry." (For Fine Stationery.) White & Wyckoff Mfg. Co. No. 17,659; Apr. 14; Gaz. vol. 201; p. 568.
- "Arbeiter's Vermindeath." (For Vermin-Destroyer.) P. J. Arbeiter. No. 17,901; Aug. 18; Gaz. vol. 205; p. 1019.
- "Ardeth." (For Cigars.) The Moehle Lithographic Company. No. 18,103; Nov. 10; Gaz. vol. 208; p. 654.
- "Arnholz-Schaefer Brew." (For Beer.) The Arnholz & Schaefer Brewing Co. No. 18,048; Nov. 3; Gaz. vol. 208; p. 336.
- "Arnica Jelly." (For Arnica Jelly.) F. Andrews. No. 17,496; Feb. 3; Gaz. vol. 199; p. 305.
- "Arnica Tooth Soap Compound." (For Arnica Tooth-Soap Compound.) F. Andrews. No. 17,495; Feb. 3; Gaz. vol. 199; p. 305.
- "Asche Kayton." (For Cigars.) A. Stefanowski. No. 17,855; July 14; Gaz. vol. 204; p. 673.
- "Atlas." (For Bread.) Robertson Paper Company. No. 18,080; Nov. 3; Gaz. vol. 208; p. 336.
- "Aunt Ann's Pure Baking Powder." (For Baking-Powder.) H. J. Weldon. No. 17,518; Feb. 3; Gaz. vol. 199; p. 305.
- "Aunt Jemima's Buckwheat Flour." (For Flour.) Aunt Jemima Mills Company. No. 17,894; Aug. 11; Gaz. vol. 205; p. 660.
- "Aunt Jemima's Pancake Flour." (For Flour.) Aunt Jemima Mills Company. No. 17,839; July 14; Gaz. vol. 204; p. 673.
- "Authentic Designs." (For Printed Silks.) Oriental Silk Printing Company. No. 17,765; June 2; Gaz. vol. 203; p. 303.
- "Auto Shine and Window Cleaner." (For a Metal-Polish and Window-Cleaner.) W. J. Klinck. No. 17,763; June 2; Gaz. vol. 203; p. 303.
- "Autocrat." (For Playing-Cards.) Russell Playing Card Co. No. 17,477; Jan. 20; Gaz. vol. 198; p. 701.
- "Avalon." (For Canned Tuna-Fish.) South Coast Canning Company. No. 17,813; June 23; Gaz. vol. 203; p. 1259.
- "B & H." (For Cigars.) Berninger & Henry. No. 17,902; Aug. 18; Gaz. vol. 205; p. 1019.
- "B-i-n-o Brand Choicest Lager Beer." (For Beer.) The National Brewing Co. No. 17,699; May 12; Gaz. vol. 202; p. 630.
- "Baby Bounce." (For Baby-Jumpers or Infant-Exercisers.) L. P. Whitcomb. No. 17,877; July 28; Gaz. vol. 204; p. 1343.
- "Baby Pants." (For Baby-Pants.) I. B. Kleinert Rubber Company. No. 17,622; Mar. 31; Gaz. vol. 200; p. 1389.
- "Bacillicide." (For an Antiseptic.) Prophtol Products Company. No. 17,642; Apr. 7; Gaz. vol. 201; p. 266.
- "Baker's Foot Ease." (For Foot-Ease.) J. H. Baker. No. 17,521; Feb. 10; Gaz. vol. 199; p. 615.
- "Baker's Nerve and Bone Liniment." (For Liniment.) The Baker, Moore & Mein Medicine Company. No. 18,009; Oct. 13; Gaz. vol. 207; p. 607.
- "Ban-Na-Nena." (For Banana Food Products.) United States Tropical Food Co. No. 18,142; Nov. 24; Gaz. vol. 208; p. 1354.
- "Bank Note Writing Tablet." (For Writing-Tablets.) White & Wyckoff Mfg. Co. No. 17,588; Feb. 24; Gaz. vol. 199; p. 1242.
- "Barker's Gape Remedy." (For a Remedy for Gapes in Chickens.) The Barker, Moore & Mein Medicine Company. No. 17,963; Sept. 15; Gaz. vol. 206; p. 875.
- "Barker's Healing Ointment." (For Ointment.) The Barker, Moore & Mein Medicine Company. No. 17,964; Sept. 15; Gaz. vol. 206; p. 875.
- "Barker's Lice Powder." (For a Lice-Powder for Poultry.) The Barker, Moore & Mein Medicine Company. No. 17,967; Sept. 15; Gaz. vol. 206; p. 875.
- "Barker's Roup Remedy For Poultry." (For a Remedy for Roup in Poultry.) The Barker, Moore & Mein Medicine Company. No. 17,962; Sept. 15; Gaz. vol. 206; p. 875.
- "Barker's Special Poultry Remedy." (For a Remedy for Diseases of Poultry.) The Barker, Moore & Mein Medicine Company. No. 17,965; Sept. 15; Gaz. vol. 206; p. 875.
- "Barker's Vegetable Horse, Cattle and Poultry Medicinal Powder." (For Medicine for Horses, Cattle, and Poultry.) The Barker, Moore & Mein Medicine Company. No. 17,966; Sept. 15; Gaz. vol. 206; p. 875.
- "Beinlich's Extra German Style Senf." (For Mustard.) P. Beinlich. No. 17,525; Feb. 10; Gaz. vol. 199; p. 615.
- "Ben Hur." (For Toilet-Paper.) Schermerhorn Brothers Company. No. 17,792; June 16; Gaz. vol. 203; p. 927.
- "Benefit." (For Cigars.) A. C. Henschel & Co. No. 17,949; Sept. 1; Gaz. vol. 206; p. 311.
- "Bennison's Electro-Silver Cleaner." (For a Silver-Cleaner.) C. E. Bennison. No. 17,499; Feb. 3; Gaz. vol. 199; p. 305.
- "Berwick Brand Dry Gin." (For Gin.) P. Gelpi & Sons. No. 17,977; Sept. 15; Gaz. vol. 206; p. 875.
- "Best-O Chewing Gum." (For Chewing-Gum.) R. M. Ackerman. No. 17,770; June 16; Gaz. vol. 203; p. 927.
- "Better Butter." (For Butter.) The Fairmont Creamery Company. No. 17,482; Jan. 27; Gaz. vol. 198; p. 896.
- "Better Than The Imported." (For Spirits.) H. B. Rosenson. No. 17,999; Sept. 22; Gaz. vol. 206; p. 1160.
- "Billy Ireland's 9-30-6." (For Cigars.) W. H. Ireland. No. 17,461; Jan. 20; Gaz. vol. 198; p. 701.
- "Bismarck Beer." (For Beer.) Interboro Brewing Company. No. 17,488; Jan. 27; Gaz. vol. 198; p. 896.
- "Black Cat." (For Dustless Dust-Cloths.) S. Lewis. No. 17,508; Feb. 3; Gaz. vol. 199; p. 305.
- "Black Forest Gin." (For Gin.) The Hoechstetter Co. No. 18,064; Nov. 3; Gaz. vol. 208; p. 336.
- "Blue Bird Racing Aeroplane." (For a Flying Toy.) Ideal Aeroplane & Supply Co. No. 18,026; Oct. 1; Gaz. vol. 207; p. 607.

Alphabetical list of labels—Continued.

- "Blue Book Fine Cambric." (For Fine Stationery.) White & Wyckoff Mfg. Co. No. 17,658; Apr. 14; Gaz. vol. 201; p. 568.
- "Blue Ribbon Brand." (For Evaporated Milk.) Enumclaw Milk & Cream Co. No. 18,061; Nov. 3; Gaz. vol. 208; p. 336.
- "Blue Ridge Aromatic Ginger Ale." (For Ginger-Ale.) Blue Ridge Spring Water Co. No. 18,049; Nov. 3; Gaz. vol. 208; p. 336.
- "Blue Rose Brand." (For Fruits.) F. A. Stuart. No. 18,043; Oct. 13; Gaz. vol. 207; p. 607.
- "Bluebird Writing Tablet." (For Writing-Tablets.) White & Wyckoff Mfg. Co. No. 17,585; Feb. 24; Gaz. vol. 199; p. 1242.
- "Bluhill Cheese." (For Cheese.) C. C. Martin. No. 18,151; Dec. 15; Gaz. vol. 209; p. 1051.
- "Bluhill Green Chile Cheese." (For Cheese.) C. C. Martin. No. 18,150; Dec. 15; Gaz. vol. 209; p. 1051.
- "Bobs." (For Candy-Coated Chewing-Gum.) Frank H. Fleer Corporation. No. 17,907; Aug. 18; Gaz. vol. 205; p. 1019.
- "Bollo." (For a Remedy for Boils.) J. Wetterer. No. 17,564; Feb. 17; Gaz. vol. 199; p. 937.
- "Bolgiano's 'Square Deal.'" (For Poultry Food.) J. Bolgiano & Son. No. 17,864; July 28; Gaz. vol. 204; p. 1343.
- "Bonafid." (For Toilet-Paper.) Scott Paper Company. No. 17,479; Jan. 20; Gaz. vol. 198; p. 701.
- "Bonded Re-Enforced Felt Mattress." (For Mattresses.) Western Furniture Manufacturing Co. No. 17,519; Feb. 3; Gaz. vol. 199; p. 305.
- "Boosters." (For Cigars.) Wechsler & Sterling. No. 17,563; Feb. 17; Gaz. vol. 199; p. 937.
- "Boston Garter Velvet Grip." (For Men's Garters.) George Frost Company. No. 17,687; May 12; Gaz. vol. 202; p. 630.
- "Boston Smokers." (For Cigars.) Levenson Bros. No. 18,126; Nov. 24; Gaz. vol. 208; p. 1354.
- "Bottled In Bond Golden Wedding Whiskey." (For Whisky.) J. S. Finch & Co. No. 17,775; June 16; Gaz. vol. 203; p. 927.
- "Box-Calf Combination Dresser and Polish for Box-Calf, Kid & Kangaroo Shoes and all Fine Dry Leather." (For Shoe-Polish.) Hermes Shoe Polish Company. No. 17,485; Jan. 27; Gaz. vol. 198; p. 896.
- "Bradford's R. C. C. For Chills and Fever." (For Medicine.) Bradford & Meadows. No. 17,935; Sept. 1; Gaz. vol. 206; p. 311.
- "Branch." (For Coffee.) Bernhard Brothers. No. 17,756; June 2; Gaz. vol. 203; p. 303.
- "Braumeister Bier." (For Beer.) Independent Milwaukee Brewery. No. 17,981; Sept. 15; Gaz. vol. 206; p. 875.
- "Britanica." (For Cigars.) F. Siska. No. 17,893; Aug. 4; Gaz. vol. 205; p. 303.
- "Brooke Bond Tea." (For Tea.) Brooke Bond and Co. No. 17,454; Jan. 20; Gaz. vol. 198; p. 701.
- "Brooke's Demitah." (For a Liquid Preparation of Coffee.) C. M. Brooke & Son. No. 17,773; June 16; Gaz. vol. 203; p. 927.
- "Brookville." (For Whisky.) J. Morris. No. 17,870; July 28; Gaz. vol. 204; p. 1343.
- "Brown Betty." (For Confectionery.) The Bachman Chocolate Company. No. 17,614; Mar. 31; Gaz. vol. 200; p. 1389.
- "Brugg's Anaesthesia Mixture." (For an Anesthesia Mixture.) D. B. Levy. No. 17,653; Apr. 14; Gaz. vol. 201; p. 568.
- "Bryant's The Best Cleaner and Polisher." (For Furniture-Polish.) J. C. Bryant. No. 17,723; May 26; Gaz. vol. 202; p. 1257.
- "Building-Italy." (For Cigars.) A. Capasso. No. 17,568; Feb. 24; Gaz. vol. 199; p. 1242.
- "Bullfrog." (For Fishing-Lines.) R. J. Hillinger. No. 18,022; Oct. 13; Gaz. vol. 207; p. 607.
- "Butter Custard." (For Butter Custard.) York-Bradford Co. No. 17,863; July 14; Gaz. vol. 204; p. 673.
- "Butter-Krust Toast." (For Toast.) Excelsior Baking Company. No. 17,728; May 26; Gaz. vol. 202; p. 1257.
- "Butterfly Brand." (For Yellow Cling-Peaches.) Golden Gate Packing Co. No. 17,689; May 12; Gaz. vol. 202; p. 630.
- "C-Food." (For Canned Oysters.) H. J. McGrath Company. No. 17,696; May 12; Gaz. vol. 202; p. 630.
- "C. J. Jensen's Liniment." (For Liniment.) C. J. Jensen. No. 17,535; Feb. 10; Gaz. vol. 199; p. 615.
- "Cabin." (For Coffee.) Bernhard Brothers. No. 17,755; June 2; Gaz. vol. 203; p. 303.
- "California Cherries." (For Cherries.) Penryn Fruit Company. No. 17,954; Sept. 1; Gaz. vol. 206; p. 311.
- "Calora California Candy Orange Slices." (For Candy Orange-Slices.) Mathews Candy Company. No. 17,654; Apr. 14; Gaz. vol. 201; p. 568.
- "Cambric for Family Use." (For Cambric.) I. Reznik. No. 17,744; May 26; Gaz. vol. 202; p. 1257.
- "Campbell's Liquid Stove Polish." (For Stove-Polish.) G. C. Campbell & Sons. No. 17,681; May 12; Gaz. vol. 202; p. 630.
- "Campnic." (For Wrappers for Food Products.) Nashua Card Gummed & Coated Paper Company. No. 17,998; Sept. 22; Gaz. vol. 206; p. 1160.
- "Canal Cigarettes." (For Cigarettes.) S. J. Marchosky. No. 17,850; July 14; Gaz. vol. 204; p. 673.
- "Cannon Roach And Bed Bug Powder." (For an Insecticide.) M. Wagner. No. 17,861; July 14; Gaz. vol. 204; p. 673.
- "Capital Brand Clothing." (For Clothing.) C. A. Messer & Co. No. 18,072; Nov. 3; Gaz. vol. 208; p. 336.
- "Carmen." (For a Shampoo Tonic.) L. C. Blum. No. 17,615; Mar. 31; Gaz. vol. 200; p. 1389.
- "Carter Carburetor." (For Carbureters.) H. W. Johns-Manville Co. No. 18,124; Nov. 24; Gaz. vol. 208; p. 1354.
- "Casto." (For a Cathartic.) The Casto Co. No. 17,758; June 2; Gaz. vol. 203; p. 303.
- "Champanola." (For a Beverage.) I. Dusol. No. 18,014; Oct. 13; Gaz. vol. 207; p. 607.
- "Champion." (For Ginger-Ale.) Phillips Bros. No. 18,107; Nov. 10; Gaz. vol. 208; p. 654.
- "Champion." (For Lemon-Soda.) Phillips Bros. No. 18,131; Nov. 24; Gaz. vol. 208; p. 1354.
- "Champion." (For Sarsaparilla.) Phillips Bros. No. 18,132; Nov. 24; Gaz. vol. 208; p. 1354.
- "Chas. Eichbaum's Minisink Club Frozen Ginger Ale." (For Ginger-Ale.) C. Eichbaum. No. 17,883; Aug. 4; Gaz. vol. 205; p. 303.
- "Chase-Em." (For Insect-Powder.) The "Chase-Em" Ant and Roach Powder Co. No. 17,665; Apr. 28; Gaz. vol. 201; p. 1218.
- "Checkers." (For Cigars.) D. J. Heaton. No. 18,122; Nov. 24; Gaz. vol. 208; p. 1354.
- "Chicago Subway." (For Cigars.) H. B. Franklin & Co. No. 18,020; Oct. 13; Gaz. vol. 207; p. 607.
- "Chiques Rock." (For Carbonated Beverages.) M. A. Flanagan. No. 17,604; Mar. 24; Gaz. vol. 200; p. 1113.
- "Chocolate Almond Wafer." (For Chocolate Almond Wafers.) Yecker Chocolate Company. No. 17,636; Mar. 31; Gaz. vol. 200; p. 1389.
- "Chocolate Waferettes." (For Chocolate.) M. H. Reynolds. No. 17,674; Apr. 28; Gaz. vol. 201; p. 1218.
- "Choice Pick." (For Cigars.) The Moehle Lithographic Company. No. 17,786; June 16; Gaz. vol. 203; p. 927.
- "Cigarettes." (For Cigarettes.) Falk Tobacco Co. No. 17,505; Feb. 3; Gaz. vol. 199; p. 305.
- "Cimex For Bed Bugs Tere-Metalol Chlorimine." (For an Insecticide.) M. Pacella. No. 17,953; Sept. 1; Gaz. vol. 206; p. 311.
- "Cimorosi Brand Grand Silver Sizzle." (For Pyrotechnic Novelties.) A. Cimorosi. No. 17,818; July 7; Gaz. vol. 204; p. 317.
- "Clark's New Discovery Remedies." (For Medicines.) C. T. Clark. No. 17,682; May 12; Gaz. vol. 202; p. 630.
- "Comet." (For Spaghetti.) Fort Worth Macaroni Co. No. 17,821; July 7; Gaz. vol. 204; p. 317.
- "Commercial Bouquet." (For Cigars.) G. Westerfeld. No. 17,583; Feb. 24; Gaz. vol. 199; p. 1242.
- "Consult Elcaro." (For Games.) P. J. Nagle. No. 18,029; Oct. 13; Gaz. vol. 207; p. 607.
- "Consumer's Bond." (For Cigars.) A. C. Henschel & Co. No. 17,913; Aug. 18; Gaz. vol. 205; p. 1019.
- "Cooking Chocolate." (For Chocolate.) M. H. Reynolds. No. 17,675; Apr. 28; Gaz. vol. 201; p. 1218.
- "Cook's Anti-Slip Tango Wax." (For Prepared Wax for Polishing Floors.) F. C. Cook. No. 17,725; May 26; Gaz. vol. 202; p. 1257.
- "Cook's Dance Floor Wax." (For Prepared Wax for Polishing Floors.) F. C. Cook. No. 17,726; May 26; Gaz. vol. 202; p. 1257.
- "Corn Brand." (For Popcorn Confectionery.) Popcorn Products Company. No. 17,474; Jan. 20; Gaz. vol. 198; p. 701.
- "Corset de Luxe." (For Corsets.) J. F. Ackerman. No. 17,589; Mar. 3; Gaz. vol. 200; p. 278.
- "Cotton Boll." (For Sanitary Paper Towels.) Richards-Glover Company. No. 17,610; Mar. 24; Gaz. vol. 200; p. 1113.
- "Couche-Culotte." (For Baby-Pants.) I. B. Kleinert Rubber Company. No. 17,623; Mar. 31; Gaz. vol. 200; p. 1389.
- "Cream Nut." (For Bread.) E. E. Brubaker. No. 17,881; Aug. 4; Gaz. vol. 205; p. 303.
- "Creamery Butter." (For Butter.) E. L. Benedict & Son. No. 17,771; June 16; Gaz. vol. 203; p. 927.
- "Creme De Menthe." (For Pepsin Gum.) Creme De Menthe Gum Co. No. 17,841; July 14; Gaz. vol. 204; p. 673.
- "Cremo." (For Cereal, Coffee, and Chicory.) Importers Coffee Co. No. 17,556; Feb. 17; Gaz. vol. 199; p. 939.
- "Crinklet Washless Towels." (For Paper Towels.) Crinklet Towel Co. No. 18,097; Nov. 10; Gaz. vol. 208; p. 654.
- "Crisp White." (For Shortening.) The Capitol Refining Company. No. 17,939; Sept. 1; Gaz. vol. 206; p. 311.

Alphabetical list of labels—Continued.

- "Crown and Monarch Brand." (For Apples.) J. W. Teasdale & Co. No. 18,139; Nov. 24; Gaz. vol. 208; p. 1354.
- "Crystal Sparkle." (For a Cleansing Preparation.) Republic Chemical Products Co. No. 18,036; Oct. 13; Gaz. vol. 207; p. 607.
- "Cuban Ox Gall." (For Soap.) Crusellas Hno y Cia. No. 17,640; Apr. 7; Gaz. vol. 201; p. 266.
- "Cuir Jaune." (For Shoe-Polish.) L. M. Hart. No. 17,691; May 12; Gaz. vol. 202; p. 630.
- "Cureall." (For a Medicinal Preparation.) Ballford Chemical Company. No. 17,524; Feb. 10; Gaz. vol. 199; p. 615.
- "Curo Foot Stamp." (For Corn, Callus, and Bunion Medicine.) Hiner Manufacturing Company. No. 17,762; June 2; Gaz. vol. 203; p. 303.
- "Cusanek's Borovecska." (For Whisky.) E. Cusanek & Sons. No. 18,059; Nov. 3; Gaz. vol. 208; p. 336.
- "Cushman's Menthol Candy Bars." (For Candy.) T. H. Adams. No. 18,109; Nov. 24; Gaz. vol. 208; p. 1354.
- "Cyco." (For Cigars.) Gate City Cigar Co. No. 17,730; May 26; Gaz. vol. 202; p. 1257.
- "Dame Nature." (For Cosmetics.) B. D'Emo. No. 18,114; Nov. 24; Gaz. vol. 208; p. 1354.
- "Darling Brand." (For Condensed Milk.) Borden's Condensed Milk Company. No. 18,054; Nov. 3; Gaz. vol. 208; p. 336.
- "De Joigny Shaving Mist." (For a Shaving Mixture.) De Joigny Shaving Mist Co. No. 17,992; Sept. 22; Gaz. vol. 206; p. 1160.
- "De Light of the World." (For Dynamos.) A. W. Houchin. No. 17,979; Sept. 15; Gaz. vol. 206; p. 875.
- "De Martini Brand Genova Style." (For Macaroni.) De Martini Macaroni Co. No. 17,842; July 14; Gaz. vol. 204; p. 673.
- "Deep Well." (For Ginger-Ale.) J. M. Keil. No. 17,779; June 16; Gaz. vol. 203; p. 927.
- "Delaware Punch." (For a Drink.) The Pioneer Vinegar Works. No. 17,932; Aug. 18; Gaz. vol. 205; p. 1019.
- "Delicious Sapphire Oats." (For Oats.) Montana Flour Mills Company. No. 17,922; Aug. 18; Gaz. vol. 205; p. 1019.
- "Delight Cleaner." (For a Compound for Cleaning, Polishing, and Scouring.) J. D. Jidas Bros. & Co. No. 17,559; Feb. 17; Gaz. vol. 199; p. 937.
- "Devil's Stomach Liqueur." (For an Alcoholic Liqueur.) J. Pollak. No. 17,629; Mar. 31; Gaz. vol. 200; p. 1389.
- "Diamond Liniment." (For a Liniment.) R. W. Blaisdell. No. 17,880; Aug. 4; Gaz. vol. 205; p. 303.
- "Dietetic Bran Biscuit." (For Bran Biscuit and Crackers.) The Dietetic Food Company. No. 17,503; Feb. 3; Gaz. vol. 199; p. 305.
- "Digestive Bread." (For Bread.) E. J. F. Hanson. No. 18,149; Dec. 15; Gaz. vol. 209; p. 1051.
- "Doctor Sanger's." (For a Medicinal Preparation in Capsule Form.) E. J. Moore & Sons. No. 17,698; May 12; Gaz. vol. 202; p. 630.
- "Dodge County." (For Canned Peas.) Hustisford Canning Co. No. 17,651; Apr. 14; Gaz. vol. 201; p. 568.
- "Don Juarez." (For Cigars.) P. P. Martinez. No. 17,781; June 16; Gaz. vol. 203; p. 927.
- "Double Grip Pad Garters." (For Garters.) W. H. Jacobsen. No. 17,558; Feb. 17; Gaz. vol. 199; p. 937.
- "Double Master Vibrator." (For Double Master-Vibrators.) The Alday Mfg. Co. No. 17,879; Aug. 4; Gaz. vol. 205; p. 303.
- "Double Shield." (For Paints.) The United Paint Co. No. 17,933; Aug. 18; Gaz. vol. 205; p. 1019.
- "Dr. Collett's Pile Remedy." (For a Medicinal Preparation.) J. C. Stout. No. 17,705; May 12; Gaz. vol. 202; p. 630.
- "Dr. Wells Galvanic Salve Co." (For Salve.) N. B. Gladding. No. 17,822; July 7; Gaz. vol. 204; p. 317.
- "Drink Gray Ape Grape Syrup." (For Grape-Syrup.) W. Scott. No. 17,835; July 7; Gaz. vol. 204; p. 317.
- "Drinket." (For a Coffee Substitute.) Kellogg Toasted Corn Flake Co. No. 17,736; May 26; Gaz. vol. 202; p. 1257.
- "Duffy's Malt." (For Extract of Malt and Hops.) Duffy Malt Extract Co. No. 18,116; Nov. 24; Gaz. vol. 208; p. 1354.
- "E. Greenfield's Sons, Established 1848, Confectioners." (For Candies.) E. Greenfield's Sons. No. 17,993; Sept. 22; Gaz. vol. 206; p. 1160.
- "Eagle Brand." (For Cantaloups.) H. Y. Katsura. No. 17,462; Jan. 20; Gaz. vol. 198; p. 701.
- "Ebling's Extract Of Malt & Hops A Life Preserver." (For Extract of Malt and Hops.) The Ebling Brewing Company. No. 17,819; July 7; Gaz. vol. 204; p. 317.
- "Ec-Zene Skin Soap, Best for the Nursery, Toilet and Bath." (For Soap.) Ec-Zene Company. No. 17,971; Sept. 15; Gaz. vol. 206; p. 875.
- "Egyptian Prettiest." (For Cigarettes.) Schinasi Bros. No. 17,513; Feb. 3; Gaz. vol. 199; p. 305.
- "Eider Brand Down Quilts." (For Quilts.) The R. Blankenburg Company. No. 17,637; Apr. 7; Gaz. vol. 201; p. 266.
- "18 Karat Floor Varnish." (For Varnish.) C. Goldschmitt. No. 17,909; Aug. 18; Gaz. vol. 205; p. 1019.
- "Eisemann's Klondike Head Rub Grain Alcohol 50 Per Cent. Most Delightful; Cooling and Invigorating. Allays Itching of the Scalp and relieves Headaches." (For Head-Rub.) P. Eisemann. No. 17,905; Aug. 18; Gaz. vol. 205; p. 1019.
- "Ekko." (For a Mild Tonic Beverage.) Ekko Extract Company. No. 17,456; Jan. 20; Gaz. vol. 198; p. 701.
- "El Adepto." (For Cigars.) The Moehle Lithographic Company. No. 17,788; June 16; Gaz. vol. 203; p. 927.
- "El Nilo." (For Cigars.) Saginaw Specialty Company. No. 17,581; Feb. 24; Gaz. vol. 199; p. 1242.
- "El Pacifico Harina Flor." (For Flour.) Centennial Mill Company. No. 17,455; Jan. 20; Gaz. vol. 198; p. 701.
- "El Premio." (For Cigars.) The Moehle Lithographic Company. No. 18,074; Nov. 3; Gaz. vol. 208; p. 336.
- "El Trado." (For a Coffee Compound.) Western Coffee Co. No. 17,815; June 23; Gaz. vol. 203; p. 1259.
- "El Trado." (For Coffee.) The Western Coffee Company. No. 18,160; Dec. 22; Gaz. vol. 209; p. 1315.
- "Elegantes." (For Cigars.) American Lithographic Company. No. 18,005; Oct. 13; Gaz. vol. 207; p. 607.
- "Elysian Massage Cream." (For Massage-Cream.) H. Michaels. No. 17,697; May 12; Gaz. vol. 202; p. 630.
- "Emerald Irish Linen." (For Fine Stationery.) White & Wyckoff Mfg. Co. No. 17,660; Apr. 14; Gaz. vol. 201; p. 568.
- "Emmer Breakfast Food." (For Breakfast Food.) Emmer Products Company. No. 18,015; Oct. 13; Gaz. vol. 207; p. 607.
- "Emmer Stock and Poultry Food." (For Stock and Poultry Food.) Emmer Products Company. No. 18,017; Oct. 13; Gaz. vol. 207; p. 607.
- "Enchantment." (For Tea.) Trier Stanley Company. No. 17,708; May 12; Gaz. vol. 202; p. 630.
- "Engine Food." (For a Preparation for Mixing with Gasolene to Increase the Explosive Nature Thereof.) J. C. Engine Food Co. No. 17,906; Aug. 18; Gaz. vol. 205; p. 1019.
- "Equity Crochet Quilt." (For Quilts.) Monadnock Mills. No. 17,599; Mar. 10; Gaz. vol. 200; p. 580.
- "Essavies." (For Complexion-Powder.) Vail Brothers. No. 17,679; Apr. 28; Gaz. vol. 201; p. 1218.
- "Eureka Automobile Radiator and Engine Compound." (For Automobile Radiator and Engine Compound.) D. Albu. No. 17,713; May 26; Gaz. vol. 202; p. 1257.
- "Evaporated Winter Apples." (For Evaporated Apples.) Wayne County Driers and Packers Fruit Co. No. 17,711; May 12; Gaz. vol. 202; p. 630.
- "Everbest Eggs." (For Eggs.) Sonomo County Poultry Producers' Federation. No. 17,873; July 28; Gaz. vol. 204; p. 1343.
- "Expert Beer." (For Beer.) Jetter Brewing Company. No. 17,571; Feb. 24; Gaz. vol. 199; p. 1242.
- "Exposition Stationery." (For Fine Stationery.) White & Wyckoff Mfg. Co. No. 17,878; July 28; Gaz. vol. 204; p. 1343.
- "Extrait D'Eau De Cologne Double." (For Cologne.) Mühlens & Kropff. No. 17,544; Feb. 10; Gaz. vol. 199; p. 615.
- "Fahey's Special." (For Cigars.) M. B. Fahey Tobacco Company. No. 17,685; May 12; Gaz. vol. 202; p. 630.
- "Fairfield." (For Whisky.) I. Ulman & Sons. No. 17,875; July 28; Gaz. vol. 204; p. 1343.
- "Fancy Print Butter." (For Butter.) W. Gordon. No. 17,895; Aug. 11; Gaz. vol. 205; p. 660.
- "Fascinator." (For Cigars.) W. Boucher & Sons. No. 18,056; Nov. 3; Gaz. vol. 208; p. 336.
- "Fedora Dress Lox." (For Garment-Fasteners.) Silverberg Import Co. No. 17,633; Mar. 31; Gaz. vol. 200; p. 1389.
- "Fifty Years Ago, When Golden Wedding Whiskey Was Young." (For Whisky.) J. S. Finch & Co. No. 17,595; Mar. 10; Gaz. vol. 200; p. 580.
- "First National Bank." (For Metal-Polish.) A. Wahrman. No. 17,836; July 7; Gaz. vol. 204; p. 317.
- "Fishing Tackle that's Fit for Fishing." (For Fishing-Tackle.) Abbey & Imbrie. No. 17,565; Feb. 24; Gaz. vol. 199; p. 1242.
- "5-20-7." (For Hosiery.) Davis Hosiery Mills. No. 17,941; Sept. 1; Gaz. vol. 206; p. 311.
- "544." (For a Remedy for Hog-Cholera.) The Thiele Laboratories Company. No. 17,874; July 28; Gaz. vol. 204; p. 1343.
- "Fili Scorscone." (For Tomato Paste.) Scorsone Brothers. No. 17,956; Sept. 1; Gaz. vol. 206; p. 311.
- "Florentine Ivory." (For Fine Stationery.) White & Wyckoff Mfg. Co. No. 17,837; July 7; Gaz. vol. 204; p. 317.
- "Frederick & Nelson Dreadnaught School Suit." (For Clothing.) Frederick & Nelson. No. 18,099; Nov. 10; Gaz. vol. 208; p. 654.
- "French Restaurant." (For Coffee and Chicory.) Importers Coffee Co. No. 17,886; Aug. 4; Gaz. vol. 205; p. 303.

Alphabetical list of labels—Continued.

- "Front label for can." (For a Lubricating Fluid.) Power Gas Products Company. No. 18,034; Oct. 13; Gaz. vol. 207; p. 607.
- "Fum-a-dor." (For a Deodorizer.) Adale Chemical Co. No. 17,816; July 7; Gaz. vol. 204; p. 317.
- "G-R-S Ginger Ale." (For Ginger-Ale.) F. M. Osteeye. No. 17,700; May 12; Gaz. vol. 202; p. 630.
- "Ga-Lo." (For Cigars.) G. E. Burch. No. 17,866; July 28; Gaz. vol. 204; p. 1343.
- "Gander's Indian Healing Salve." (For Salve.) J. H. Gander. No. 17,458; Jan. 20; Gaz. vol. 198; p. 701.
- "Gasconade Whiskey." (For Whisky.) Stark Distillery Co. No. 17,677; Apr. 28; Gaz. vol. 201; p. 1218.
- "Genuine Butter-Nut Bread." (For Bread.) P. Schulze. No. 17,746; May 26; Gaz. vol. 202; p. 1257.
- "Genuine Carparter Whiskey." (For Whisky.) E. Cusanek & Sons. No. 17,500; Feb. 3; Gaz. vol. 199; p. 305.
- "Glanco Brand." (For Sardines.) The Globe Canning Company. No. 17,945; Sept. 1; Gaz. vol. 206; p. 311.
- "Gloriously Good." (For Cigars.) Kraus & Co. No. 17,916; Aug. 18; Gaz. vol. 205; p. 1019.
- "Go-Cart." (For Go-Carts.) A. B. Leith and W. S. Ferris. No. 18,125; Nov. 24; Gaz. vol. 208; p. 1354.
- "Golden Fleece Lambs Wool Health Comforts." (For Comforts.) The R. Blankenburg Company. No. 17,639; Apr. 7; Gaz. vol. 201; p. 266.
- "Golden Gate." (For Peaches.) Golden Gate Packing Co. No. 17,690; May 12; Gaz. vol. 202; p. 630.
- "Golden Rod." (For Butter.) G. R. Eldridge Co. No. 17,972; Sept. 15; Gaz. vol. 206; p. 875.
- "Golden Sheaf." (For Bread.) Robertson Paper Company. No. 18,081; Nov. 3; Gaz. vol. 208; p. 336.
- "Golden Spray." (For Rye Whisky.) I. Ulman & Sons. No. 17,857; July 14; Gaz. vol. 204; p. 673.
- "Golden State Cheese." (For Cheese.) California Central Creameries. No. 17,724; May 26; Gaz. vol. 202; p. 1257.
- "Golden Wedding Pure Rye Whiskey." (For Whisky.) J. S. Finch & Co. No. 17,596; Mar. 10; Gaz. vol. 200; p. 580.
- "Gompers." (For Cigars.) S. Gompers. No. 17,777; June 16; Gaz. vol. 203; p. 927.
- "Good Enough." (For Coffee.) J. S. Elliott Coffee Company. No. 18,117; Nov. 24; Gaz. vol. 208; p. 1354.
- "Good Samaritan." (For Foot-Balm.) E. A. Howland. No. 17,847; July 14; Gaz. vol. 204; p. 673.
- "Green Dragon." (For Violin-Strings.) Southern California Music Company. No. 17,957; Sept. 1; Gaz. vol. 206; p. 311.
- "Greenspring Mineral Water." (For Mineral Water.) The Greenspring Water Company. No. 17,621; Mar. 31; Gaz. vol. 200; p. 1389.
- "Guardian." (For Dog-Soap.) Potter & Wrightington. No. 17,833; July 7; Gaz. vol. 204; p. 317.
- "Habatonka Whiskey." (For Whiskies.) Stark Distillery Co. No. 17,002; Sept. 22; Gaz. vol. 206; p. 1160.
- "Hair-A-Gain." (For a Scalp and Hair Food.) Hair-A-Gain Company. No. 17,884; Aug. 4; Gaz. vol. 205; p. 303.
- "Harvest Moon." (For Toilet-Paper.) The John Hoberg Company. No. 17,734; May 26; Gaz. vol. 202; p. 1257.
- "Hatfield's Staytite Roofing." (For Roofing.) Geo. Hatfield & Co. No. 17,692; May 12; Gaz. vol. 202; p. 630.
- "Havana Beauty." (For Cigars.) The Moehle Lithographic Company. No. 17,783; June 16; Gaz. vol. 203; p. 927.
- "Havana Texture." (For Cigars.) The Moehle Lithographic Company. No. 18,104; Nov. 10; Gaz. vol. 208; p. 654.
- "Hazelnut Kisses." (For Candy and Confections.) Bunte Brothers. No. 17,865; July 28; Gaz. vol. 204; p. 1343.
- "Heart's Delight Farm Jelly." (For Jelly.) W. H. Miner. No. 17,598; Mar. 10; Gaz. vol. 200; p. 580.
- "Herkimer." (For Canned Peas.) Hustisford Canning Co. No. 17,652; Apr. 14; Gaz. vol. 201; p. 568.
- "Heuristic Stomach Tonic." (For a Stomach-Tonic.) H. Schaerges & Co. No. 17,478; Jan. 20; Gaz. vol. 198; p. 701.
- "Hi-Tone." (For Chocolates, Chocolate Creams, Chocolate Candies, and Chocolate-Coated Fruits.) D. Y. Stafford. No. 17,550; Feb. 10; Gaz. vol. 199; p. 615.
- "High Jinks." (For Candy.) The R. E. Rodda Candy Company. No. 17,790; June 16; Gaz. vol. 203; p. 927.
- "High School Writing Tablet." (For Writing-Tablets.) White & Wyckoff Mfg. Co. No. 17,587; Feb. 24; Gaz. vol. 199; p. 1242.
- "Hofmunter." (For Beer.) Gutsch Brewing Co. No. 17,910; Aug. 18; Gaz. vol. 205; p. 1019.
- "Holdfast." (For Weather-Strips for Doors and Windows.) Gardner Wire Company. No. 17,688; May 12; Gaz. vol. 202; p. 630.
- "Home Sweet Home Bread." (For Bread.) E. J. F. Hanson. No. 18,147; Dec. 15; Gaz. vol. 209; p. 1051.
- "Homogenized Laurentia Milk." (For Homogenized Milk.) F. E. Cryder. No. 17,969; Sept. 15; Gaz. vol. 206; p. 875.
- "Hood River Apples." (For Apples.) Davidson Fruit Co. No. 18,111; Nov. 24; Gaz. vol. 208; p. 1354.
- "Hood's Croup, Cold and Pneumonia Salve." (For Salve.) Hood Bros. No. 17,460; Jan. 20; Gaz. vol. 198; p. 701.
- "Hopsie." (For a Beverage.) J. S. Briggs Co. No. 17,616; Mar. 31; Gaz. vol. 200; p. 1389.
- "Horlicks Malt-Oat Milk." (For Malt-Oat Milk.) A. A. Horlick. No. 18,024; Oct. 13; Gaz. vol. 207; p. 607.
- "Horlick's Maltoat Biscuit." (For Biscuit.) A. A. Horlick. No. 18,065; Nov. 3; Gaz. vol. 208; p. 336.
- "House Beautiful Varnish." (For Varnish.) H. Ghiselin. No. 18,062; Nov. 3; Gaz. vol. 208; p. 336.
- "Howel's Orange-Julep The Original." (For Orange Julep.) Southern Fruit Julep Company. No. 17,594; Mar. 3; Gaz. vol. 200; p. 278.
- "Hy-Gloss." (For a Polish for Furniture.) H. Eichler. No. 17,727; May 26; Gaz. vol. 202; p. 1257.
- "Hyde Park." (For Cigars.) The Wiedmann-St. Louis Cigar Box Company. No. 17,768; June 2; Gaz. vol. 203; p. 303.
- "Hyde Park." (For Cigars.) W. Zoellner. No. 17,769; June 2; Gaz. vol. 203; p. 303.
- "Hydrox Brand." (For Water.) Consumers Company. No. 17,774; June 16; Gaz. vol. 203; p. 927.
- "Hygienic Tango Powder Puff." (For Toilet-Boxes.) A. Giglio. No. 17,942; Sept. 1; Gaz. vol. 206; p. 311.
- "Hygio Continuous Roll." (For Wrapping-Paper.) Robertson Paper Company. No. 18,134; Nov. 24; Gaz. vol. 208; p. 1354.
- "Hypo Hair Tonic." (For Hypo Hair-Tonic.) W. D. P. Aims, Jr. No. 17,448; Jan. 20; Gaz. vol. 198; p. 701.
- "I-Need-A." (For Cigars.) C. Doerr, Jr. No. 17,970; Sept. 15; Gaz. vol. 206; p. 875.
- "I Should Worry." (For Cigars.) The Moehle Lithographic Company. No. 17,541; Feb. 10; Gaz. vol. 199; p. 615.
- "I B Co." (For Buckles.) International Buckle Company. No. 17,868; July 28; Gaz. vol. 204; p. 1343.
- "I've Gota Biscuit." (For Crackers and Biscuit.) The Canton Biscuit Co. No. 17,937; Sept. 1; Gaz. vol. 206; p. 311.
- "Ideal." (For Corn-Salve.) U. H. Knaub. No. 17,624; Mar. 31; Gaz. vol. 200; p. 1389.
- "Improved Emmer Food." (For Emmer Food.) Emmer Products Company. No. 18,016; Oct. 13; Gaz. vol. 207; p. 607.
- "Independence Writing Tablet." (For Writing-Tablets.) White & Wyckoff Mfg. Co. No. 17,586; Feb. 24; Gaz. vol. 199; p. 1242.
- "Insto Tire Fix." (For a Material for Repairing Pneumatic Tires.) C. H. Mills. No. 17,832; July 7; Gaz. vol. 204; p. 317.
- "Irish Embroidered Style." (For Sheets, Pillow-Cases, Towels, Handkerchiefs, and Similar Articles Made of Linen, Cotton, and other Textile Materials Having Embroidery Thereon.) Defender Manufacturing Co. No. 17,759; June 2; Gaz. vol. 203; p. 303.
- "Irish Lace." (For Whisky.) T. E. Pollard. No. 17,924; Aug. 18; Gaz. vol. 205; p. 1019.
- "It Has The Old Style Sweetness." (For Meal.) Shannon & Mott Company. No. 17,929; Aug. 18; Gaz. vol. 205; p. 1019.
- "Italian Union Cigar." (For Cigars.) M. D'urso & Co. No. 17,590; Mar. 3; Gaz. vol. 200; p. 278.
- "It's The Oats." (For Rolled Oats.) Montana Flour Mills Company. No. 17,923; Aug. 18; Gaz. vol. 205; p. 1019.
- "It's The Wheat." (For Flour.) Montana Flour Mills Company. No. 17,472; Jan. 20; Gaz. vol. 198; p. 701.
- "J. Reyes y Ca." (For Jerez Wine.) P. Gelpi & Sons. No. 17,978; Sept. 15; Gaz. vol. 206; p. 875.
- "J. Reyes y Cia." (For Sherry-Wine.) P. Gelpi & Sons. No. 17,976; Sept. 15; Gaz. vol. 206; p. 875.
- "J. G. McDonald's Meadow Milk Chocolates." (For Milk-Chocolates.) J. G. McDonald. No. 17,470; Jan. 20; Gaz. vol. 198; p. 701.
- "J-M Tuffex Roofing." (For Composite Roofing.) H. W. Johns-Manville Co. No. 18,101; Nov. 10; Gaz. vol. 208; p. 654.
- "Jaeger Bräu." (For Beer.) Ruff Brewing Co. No. 17,926; Aug. 18; Gaz. vol. 205; p. 1019.
- "Jensen Brand." (For Sardines.) The Globe Canning Company. No. 17,946; Sept. 1; Gaz. vol. 206; p. 311.
- "Jersey Silver-Edge Creamery Butter." (For Butter.) H. C. Frange Co. No. 18,133; Nov. 24; Gaz. vol. 208; p. 1354.
- "Jinx." (For a Cleanser.) Claire Manufacturing Company. No. 18,058; Nov. 3; Gaz. vol. 208; p. 336.
- "Juan Riano." (For Cigars.) The Moehle Lithographic Company. No. 18,073; Nov. 3; Gaz. vol. 208; p. 336.
- "Just Rite." (For Bread.) Crescent Bread Company. No. 17,602; Mar. 24; Gaz. vol. 200; p. 1113.
- "K and H." (For Polishing-Cloths.) The K and H Chemical Co. No. 17,489; Jan. 27; Gaz. vol. 198; p. 896.

Alphabetical list of labels—Continued.

- "Kebart's." (For Clothes.) J. J. Kebart. No. 17,887; Aug. 4; Gaz. vol. 205; p. 303.
- "Kentucky Blue Grass Lawn Seed." (For Grass-Seed.) Stuart & O'Brien. No. 17,600; Mar. 10; Gaz. vol. 200; p. 580.
- "Keystone Polish Co." (For a Furniture Polish and Cleaner.) Keystone Polish Co. No. 17,823; July 7; Gaz. vol. 204; p. 317.
- "Kimble's Superior Red Oil Finish." (For a Cleaning and Polishing Compound.) Superior Oil Finish Co. No. 17,749; May 26; Gaz. vol. 202; p. 1257.
- "King Protos (Rex) Beer." (For Beer.) Protobrewing Company. No. 17,547; Feb. 10; Gaz. vol. 199; p. 615.
- "Kirk's Flake Soap Powder." (For Soap Powder.) James S. Kirk & Company. No. 17,573; Feb. 24; Gaz. vol. 199; p. 1242.
- "Kirk's Flake Soap Powder." (For Soap Powder.) James S. Kirk & Company. No. 17,575; Feb. 24; Gaz. vol. 199; p. 1242.
- "Kitchen Cleaner." (For a Cleaning Compound.) Fitzpatrick Brothers. No. 18,018; Oct. 13; Gaz. vol. 207; p. 607.
- "Kleno." (For a Beer-Coil-Cleaning Compound.) O. V. Cribley. No. 17,803; June 23; Gaz. vol. 203; p. 1259.
- "Knu-Shu." (For Footwear.) United States Rubber Company. No. 18,141; Nov. 24; Gaz. vol. 208; p. 1354.
- "Koff-Kure." (For a Medicinal Preparation.) Laxago Bitters Co. No. 17,579; Feb. 24; Gaz. vol. 199; p. 1242.
- "Kostner's Little Wizard Superba." (For Pumice Hand-Soap.) F. Kostner, Jr. No. 17,737; May 26; Gaz. vol. 202; p. 1257.
- "Kraft Cleanser." (For a Cleaning-Powder.) C. H. Folkers. No. 17,844; July 14; Gaz. vol. 204; p. 673.
- "Kremps Extra Beer." (For Beer.) Interboro Brewing Company. No. 17,667; Apr. 28; Gaz. vol. 201; p. 1218.
- "Krispystick." (For Bread and Bread Sticks.) The Dietetic Food Company. No. 17,502; Feb. 3; Gaz. vol. 199; p. 305.
- "Krumbles." (For Prepared Cereal Foods.) Kellogg Toasted Corn Flake Co. No. 18,028; Oct. 13; Gaz. vol. 207; p. 607.
- "Kuxit." (For Cooking-Butter Made from Refined Coconut-Oil.) Puritan Coconut Butter Co. No. 17,701; May 12; Gaz. vol. 202; p. 630.
- "L. B." (For Cigars.) Ludwig Bros. No. 17,764; June 2; Gaz. vol. 203; p. 303.
- "La Famosa." (For Canned Pears.) H. F. C. Killan. No. 17,824; July 7; Gaz. vol. 204; p. 317.
- "La Fortuna." (For Cigars.) The Moehle Lithographic Company. No. 17,782; June 16; Gaz. vol. 203; p. 927.
- "La Herma." (For Cigars.) McMasters & Hermes. No. 17,490; Jan. 27; Gaz. vol. 198; p. 896.
- "La Mareina." (For Cigars.) The Moehle Lithographic Company. No. 17,784; June 16; Gaz. vol. 203; p. 927.
- "La Paloma." (For Cigars.) T. H. Hart Company. No. 17,778; June 16; Gaz. vol. 203; p. 927.
- "La Prenda." (For Cigars.) La Prenda Cigar Company. No. 17,780; June 16; Gaz. vol. 203; p. 927.
- "La Preventit." (For a Preventive.) Preventit Co. No. 17,580; Feb. 24; Gaz. vol. 199; p. 1242.
- "La Regenta." (For Cigars.) The Moehle Lithographic Company. No. 17,538; Feb. 10; Gaz. vol. 199; p. 615.
- "La Suprema." (For Cigars.) The Moehle Lithographic Company. No. 17,785; June 16; Gaz. vol. 203; p. 927.
- "Labor Lights." (For Cigars.) The Moehle Lithographic Company. No. 17,537; Feb. 10; Gaz. vol. 199; p. 615.
- "Lackawanna Twins." (For Ladies' and Children's Union Suits.) The Lackawanna Mills. No. 18,070; Nov. 3; Gaz. vol. 208; p. 336.
- "Lanzon." (For Cigars.) Jose Llanza Company. No. 17,921; Aug. 18; Gaz. vol. 205; p. 1019.
- "Las Dalagas." (For Cigars.) Laks Cigar Co. No. 17,848; July 14; Gaz. vol. 204; p. 673.
- "Lastlong." (For Underwear.) Lastlong Underwear Co. No. 17,952; Sept. 1; Gaz. vol. 206; p. 311.
- "Laurelton Farms." (For Poultry and Eggs.) Laurelton Farms. No. 17,465; Jan. 20; Gaz. vol. 198; p. 701.
- "Laxago." (For a Medicinal Preparation.) Laxago Bitters Co. No. 17,576; Feb. 24; Gaz. vol. 199; p. 1242.
- "Lewis-Ideal." (For Cigars.) F. P. Lewis Cigar Co. No. 17,920; Aug. 18; Gaz. vol. 205; p. 1019.
- "Lightning Rheumatic Remedy." (For a Rheumatic Remedy.) McNulty & Stiff. No. 17,591; Mar. 3; Gaz. vol. 200; p. 278.
- "Lincoln Auto Oil." (For Auto-Oil.) J. G. Clark. No. 17,802; June 23; Gaz. vol. 203; p. 1259.
- "Liquid Gloss." (For Furniture-Polish.) B. Flank. No. 17,686; May 12; Gaz. vol. 202; p. 630.
- "Liquid Wood Renew." (For Furniture-Polish.) Wood Renew Manufacturing Company. No. 18,045; Oct. 13; Gaz. vol. 207; p. 607.
- "Lord Duke." (For Cigars.) A. C. Henschel & Co. No. 17,948; Sept. 1; Gaz. vol. 206; p. 311.
- "Lotus Club." (For Cigars.) W. J. Armstrong Company. No. 17,716; May 26; Gaz. vol. 202; p. 1257.
- "Louis' Double Wrapped 5¢ Cigar." (For Cigars.) L. Chodat Company. No. 17,817; July 7; Gaz. vol. 204; p. 317.
- "Lovey Dovey Bread." (For Bread.) E. J. F. Hanson. No. 18,148; Dec. 15; Gaz. vol. 209; p. 1051.
- "Lowney's Assorted Chocolates." (For Lowney's Assorted Chocolates.) The Walter M. Lowney Company. Nos. 17,467-9; Jan. 20; Gaz. vol. 198; p. 701.
- "Lucella Habana Cigars." (For Cigars.) R. Gangemi & Co. No. 18,021; Oct. 13; Gaz. vol. 207; p. 607.
- "Lytle's Ever Ready Beef Steak Flour." (For Flour.) W. F. Lytle. No. 17,607; Mar. 24; Gaz. vol. 200; p. 1113.
- "M. D. & V. Club." (For Straight Whisky.) I. Ulman & Sons. No. 17,860; July 14; Gaz. vol. 204; p. 673.
- "Mabel." (For Cigars.) The Moehle Lithographic Company. No. 17,539; Feb. 10; Gaz. vol. 199; p. 615.
- "Macaroni Gragnano Style." (For Macaroni.) De Martini Macaroni Co. No. 17,843; July 14; Gaz. vol. 204; p. 673.
- "Madame Golais Sanitary Adjustable Petticoat." (For Petticoats.) C. Golais. No. 17,846; July 14; Gaz. vol. 204; p. 673.
- "Magic Balm." (For a Medicinal Preparation.) S. J. Keyes. No. 17,914; Aug. 18; Gaz. vol. 205; p. 1019.
- "Magnesia Spring." (For Spring-Water.) G. F. Wahner. No. 18,087; Nov. 3; Gaz. vol. 208; p. 337.
- "Magnolia Brand." (For Condensed Milk.) Borden's Condensed Milk Company. No. 18,053; Nov. 3; Gaz. vol. 208; p. 336.
- "Maltese Milk Bread." (For Bread.) C. O. Boggs. No. 17,757; June 2; Gaz. vol. 203; p. 303.
- "Maltese Milk Bread." (For Bread.) The New French Baking Company. No. 17,811; June 23; Gaz. vol. 203; p. 1239.
- "Maltese Bread." (For Bread.) L. D'Aubigny. No. 18,060; Nov. 3; Gaz. vol. 208; p. 336.
- "Managers." (For a Game Apparatus.) L. E. More. No. 17,510; Feb. 3; Gaz. vol. 199; p. 305.
- "Manchinric Brand." (For Sardines.) The Globe Canning Company. No. 17,947; Sept. 1; Gaz. vol. 206; p. 311.
- "Many e Color Craft Draperies." (For Textile Fabrics.) Manville Company. No. 18,071; Nov. 3; Gaz. vol. 208; p. 336.
- "Marca Leone." (For Macaroni.) Musolino & Berger. No. 18,076; Nov. 3; Gaz. vol. 208; p. 336.
- "Marca Petri." (For Cigars.) Petri Italian-American Cigar Co. No. 18,033; Oct. 13; Gaz. vol. 207; p. 607.
- "Marco." (For Cakes.) The Martin Baking Co. No. 17,869; July 28; Gaz. vol. 204; p. 1343.
- "Mars-Tun." (For Dry Batteries.) Bright Star Battery Co. No. 17,453; Jan. 20; Gaz. vol. 198; p. 701.
- "Master Yet." (For Cigars.) La Posenda Cigar Company. No. 17,996; Sept. 22; Gaz. vol. 206; p. 1160.
- "Maxall Furniture Polish." (For Liquid Polishing and Cleansing Materials.) J. W. McGirr. No. 18,105; Nov. 10; Gaz. vol. 208; p. 654.
- "McCann's Urn Brand Coffee With Chicory." (For Ground Coffee with Chicory.) J. W. Little. No. 17,606; Mar. 24; Gaz. vol. 200; p. 1113.
- "McMurray's Chocolate Icing." (For Chocolate Icing.) William McMurray & Company. No. 17,851; July 14; Gaz. vol. 204; p. 673.
- "Melco." (For Confections.) Harris, Woodson Co. No. 17,896; Aug. 11; Gaz. vol. 205; p. 660.
- "Melrich." (For Ginger-Ale.) L. N. Palmore. No. 17,657; Apr. 14; Gaz. vol. 201; p. 568.
- "Mennen's Cream Dentifrice." (For Cream Dentifrice.) G. Mennen Chemical Company. No. 17,627; Mar. 31; Gaz. vol. 200; p. 1389.
- "Mennen's Cream Dentifrice." (For a Cream Dentifrice.) G. Mennen Chemical Company. No. 17,826; July 7; Gaz. vol. 204; p. 317.
- "Mennen's Perfumed Bath Powder." (For Bath-Powder.) G. Mennen Chemical Company. No. 17,628; Mar. 31; Gaz. vol. 200; p. 1389.
- "Mennen's Shaving Cream." (For Shaving-Cream.) G. Mennen Chemical Company. No. 17,626; Mar. 31; Gaz. vol. 200; p. 1389.
- "Mennen's Shaving Cream." (For Shaving-Cream.) G. Mennen Chemical Company. No. 17,827; July 7; Gaz. vol. 204; p. 317.
- "Mennen's Tar Shampooing Cream." (For Tar Shampooing-Cream.) G. Mennen Chemical Company. No. 17,625; Mar. 31; Gaz. vol. 200; p. 1389.
- "Menthos." (For a Medicinal Preparation.) G. F. Johnstone. Nos. 18,067-8; Nov. 3; Gaz. vol. 208; p. 336.
- "Mermaid Brand Pure Artesian Water." (For Artesian Water.) Holton Power Company. No. 17,885; Aug. 4; Gaz. vol. 205; p. 303.
- "Mikah White Paste." (For Adhesive Paste.) National Gum & Mica Company. No. 17,656; Apr. 14; Gaz. vol. 201; p. 568.

Alphabetical list of labels—Continued.

- "Mills' Eczema Remedy." (For a Solution for Treatment of Eczema.) E. Mills. No. 17,471; Jan. 20; Gaz. vol. 198; p. 701.
- "Minerva." (For Face-Cream.) Minerva Manufacturing Company. No. 18,157; Dec. 22; Gaz. vol. 209; p. 1315.
- "Minster." (For Beer.) The Star Brewing Co. No. 17,515; Feb. 3; Gaz. vol. 199; p. 305.
- "Mona Lisa's Smile Chocolates." (For Chocolates.) Park & Tilford. No. 17,897; Aug. 11; Gaz. vol. 205; p. 660.
- "Morning Glory." (For a Lotion for the Skin.) P. Cassidy. No. 17,481; Jan. 27; Gaz. vol. 198; p. 896.
- "Morning Star." (For Coffee.) Trier-Stanley Company. No. 17,551; Feb. 10; Gaz. vol. 199; p. 615.
- "Morris' Pennant." (For Cigars.) F. A. Morris. No. 17,608; Mar. 24; Gaz. vol. 200; p. 1113.
- "Mother's Cleanser." (For a Cleansing Preparation.) The National Cleanser Company. No. 17,609; Mar. 24; Gaz. vol. 200; p. 1113.
- "Mother's Hair Tonic." (For Hair-Tonic.) V. F. Cavenaget. No. 18,012; Oct. 13; Gaz. vol. 207; p. 607.
- "Mouth Hygiene Tooth Paste." (For Tooth-Paste.) Mouth Hygiene Co. No. 17,829; July 7; Gaz. vol. 204; p. 317.
- "Mouth Hygiene Tooth Powder." (For Tooth-Powder.) Mouth Hygiene Co. No. 17,830; July 7; Gaz. vol. 204; p. 317.
- "Mr. Goodwood." (For Lumber.) The May Lumber Company. No. 18,102; Nov. 10; Gaz. vol. 208; p. 654.
- "Muggs." (For Corn-Plasters.) Alton Watch & Merchandise Company. No. 18,046; Nov. 3; Gaz. vol. 208; p. 336.
- "Muralite." (For Calcimine.) M. E. Fox & Co. No. 17,776; June 16; Gaz. vol. 203; p. 927.
- "N. A. S. O. Standard First Aid Jar." (For Standard First-Aid Jars.) M. W. Alexander. No. 18,096; Nov. 10; Gaz. vol. 208; p. 654.
- "Napoleon Brand Salad Oil." (For Salad-Oil.) F. E. Grimm. No. 17,605; Mar. 24; Gaz. vol. 200; p. 1113.
- "Narton." (For a Remedy.) Los Angeles Pharmaceutical Co. No. 18,127; Nov. 24; Gaz. vol. 208; p. 1354.
- "National Export." (For Beer.) The Independent Breweries Company. No. 17,597; Mar. 10; Gaz. vol. 200; p. 580.
- "National Life." (For Cigars.) The Moehle Lithographic Company. No. 18,075; Nov. 3; Gaz. vol. 208; p. 336.
- "Natsco." (For a Substitute for Potassium Iodid and Iodin Resublimed.) National Steel & Copper Plate Company. No. 18,030; Oct. 13; Gaz. vol. 207; p. 607.
- "Natura Natures Medicine." (For Mineral Water.) G. E. Keeler. No. 17,888; Aug. 4; Gaz. vol. 205; p. 303.
- "Nazimova Walnut Tone Hair Preparations." (For Hair Preparations.) The Gray Lithograph Company. No. 17,760; June 2; Gaz. vol. 203; p. 303.
- "Nelson's Bird." (For Cigars.) C. T. Nelson. No. 18,129; Nov. 24; Gaz. vol. 208; p. 1354.
- "Nelson's Special." (For Whisky.) The Florida Brewing Co. No. 17,807; June 23; Gaz. vol. 203; p. 1259.
- "Netto." (For a Cleaning Solution.) T. F. Hall, Jr. No. 18,146; Dec. 15; Gaz. vol. 209; p. 1051.
- "New Lustre." (For a Polish.) New Lustre Mfg. Co. No. 18,031; Oct. 13; Gaz. vol. 207; p. 607.
- "Newbro's Herpicide." (For Hair-Dressing.) The Herpicide Co. No. 17,457; Jan. 20; Gaz. vol. 198; p. 701.
- "Newtown Pippins." (For Apples.) Davidson Fruit Co. No. 18,113; Nov. 24; Gaz. vol. 208; p. 1354.
- "Nilo-Lager." (For Beer.) A Schreiber Brewing Company. No. 17,548; Feb. 10; Gaz. vol. 199; p. 615.
- "909 'One's Enuff.'" (For Medicines.) E. M. Scher and H. P. Skourup. No. 18,038; Oct. 13; Gaz. vol. 207; p. 607.
- "Nippin." (For Toilet-Paper.) Schermerhorn Brothers Company. No. 17,745; May 26; Gaz. vol. 202; p. 1257.
- "No. 100 Garden Sauce." (For Peaches.) The Interstate Printing Company. No. 17,445; Jan. 13; Gaz. vol. 198; p. 493.
- "No. 200 Wall Paper Design." (For Tomatoes.) The Interstate Printing Company. No. 17,444; Jan. 13; Gaz. vol. 198; p. 493.
- "No. 568 All Steel Hame Concord Dandy." (For Hames.) U. S. Hame Company. No. 17,985; Sept. 15; Gaz. vol. 206; p. 875.
- "No. 568 All Steel Hame Concord Favorite." (For Hames.) U. S. Hame Company. No. 17,987; Sept. 15; Gaz. vol. 206; p. 875.
- "No. 568 All Steel Hame Concord High Top." (For Hames.) U. S. Hame Company. No. 17,986; Sept. 15; Gaz. vol. 206; p. 875.
- "Noblesse Delightful." (For Face-Powder.) A. J. Ledig. No. 17,738; May 26; Gaz. vol. 202; p. 1257.
- "Nomad Brand." (For Sardines.) The Globe Canning Company. No. 17,944; Sept. 1; Gaz. vol. 206; p. 311.
- "Nusilk Hosiery." (For Hosiery.) E. P. Van Derslice. No. 18,086; Nov. 3; Gaz. vol. 208; p. 337.
- "Nut Confection." (For a Nut Confection.) J. A. Beach. No. 17,451; Jan. 20; Gaz. vol. 198; p. 701.
- "Nutrito." (For a Grape Tonic.) G. W. Steiger. No. 17,892; Aug. 4; Gaz. vol. 205; p. 303.
- "O-Cedar Polish Mop." (For O-Cedar Polish Mops.) Channell Chemical Company. No. 17,801; June 23; Gaz. vol. 203; p. 1259.
- "O-Cedar Polish Mop." (For Mops.) Channell Chemical Company. No. 17,903; Aug. 18; Gaz. vol. 205; p. 1019.
- "O-R-I-E Vest." (For Ladies' Undervests.) H. H. Condit. No. 17,529; Feb. 10; Gaz. vol. 199; p. 615.
- "Odor Killer." (For a Disinfectant.) Republic Chemical Products Co. No. 18,035; Oct. 13; Gaz. vol. 207; p. 607.
- "Ojen Dávila." (For a Cordial.) Hijos de R. J. Dávila. No. 18,003; Oct. 6; Gaz. vol. 207; p. 297.
- "Old Davy." (For 100-Proof Whisky.) I. Ulman & Sons. No. 17,858; July 14; Gaz. vol. 204; p. 673.
- "Old Dutch ready mixed Paint." (For Paint.) American Paint & Varnish Co. No. 17,714; May 26; Gaz. vol. 202; p. 1257.
- "Old Fashion German Brew." (For Beer.) Maier Brewing Co. No. 17,739; May 26; Gaz. vol. 202; p. 1257.
- "Old Gobbler Whiskey." (For Whiskies.) Stark Distillery Co. No. 18,001; Sept. 22; Gaz. vol. 206; p. 1160.
- "Old Hawkins Whisky." (For Whisky.) The Paxton Brothers Company. No. 17,545; Feb. 10; Gaz. vol. 199; p. 615.
- "Old Sol." (For Self-Rising Flour.) Empire Mills Company. No. 17,647; Apr. 14; Gaz. vol. 201; p. 568.
- "Olympia Malt Tonic." (For a Tonic.) Olympia Brewing Co. No. 17,831; July 7; Gaz. vol. 204; p. 317.
- "Olympia Pale Export." (For Light Beer.) Olympia Brewing Co. No. 17,852; July 14; Gaz. vol. 204; p. 673.
- "One Minute Silver Cleaner." (For a Cleaning and Polishing Compound.) L. W. Estes. No. 17,974; Sept. 15; Gaz. vol. 206; p. 875.
- "Opera Stars." (For Lozenges.) Opera Stars Company. No. 17,641; Apr. 7; Gaz. vol. 201; p. 266.
- "Orange Tree Brand Fresh Vegetables." (For Fresh Vegetables.) Loranger Upland Farms Loranger P. O. La. (For Fresh Vegetables.) Genesee Lumber Company. No. 17,620; Mar. 31; Gaz. vol. 200; p. 1389.
- "Original 'Nutlike' Brand." (For Peanut-Butter.) The New England Peanut Co. No. 17,491; Jan. 27; Gaz. vol. 198; p. 896.
- "Osaki." (For Toilet-Paper.) Schermerhorn Brothers Company. No. 17,791; June 16; Gaz. vol. 203; p. 927.
- "Otoyo." (For Safety-Pins.) Arbuthnot, Stephenson & Company. No. 17,613; Mar. 31; Gaz. vol. 200; p. 1389.
- "Otto Brand." (For Sardines.) The Globe Canning Company. No. 17,943; Sept. 1; Gaz. vol. 206; p. 311.
- "Our Best." (For Macaroni.) Fort Worth Macaroni Co. No. 17,820; July 7; Gaz. vol. 204; p. 317.
- "Our Chief Brand." (For Oranges.) Fairview Land Company. No. 17,619; Mar. 31; Gaz. vol. 200; p. 1389.
- "Our Own American Family Soap Powder." (For Soap Powder.) James S. Kirk & Company. No. 17,572; Feb. 24; Gaz. vol. 199; p. 1242.
- "Our Own American Family Soap Powder." (For Soap Powder.) James S. Kirk & Company. No. 17,574; Feb. 24; Gaz. vol. 199; p. 1242.
- "P-A-P-P Preventoline Antiseptic Pocket Packet." (For an Antiseptic.) D. A. Smith. No. 17,872; July 28; Gaz. vol. 204; p. 1343.
- "Pad Boston Garter Velvet Grip." (For Garters.) George Frost Company. No. 17,506; Feb. 3; Gaz. vol. 199; p. 305.
- "Pad Garters." (For Garters.) W. H. Jacobsen. No. 17,557; Feb. 17; Gaz. vol. 199; p. 937.
- "Paganini." (For Violin-Strings.) Southern California Music Company. No. 17,593; Mar. 3; Gaz. vol. 200; p. 278.
- "Pain Allay." (For a Balm or Ointment.) H. F. Goetz. No. 18,120; Nov. 24; Gaz. vol. 208; p. 1354.
- "Pan Dandy Bread." (For Bread.) P. Schulze. No. 17,702; May 12; Gaz. vol. 202; p. 630.
- "Pastax." (For a Remedy for Gonorrhea and Diseases of the Kidneys and Bladder.) M. Robins. No. 17,560; Feb. 17; Gaz. vol. 199; p. 937.
- "Paxton & Windham's New Life Angel Tonic." (For a Medicine.) Paxton & Windham. No. 18,032; Oct. 13; Gaz. vol. 207; p. 607.
- "Peace." (For Games.) S. L. Gedney. No. 18,119; Nov. 24; Gaz. vol. 208; p. 1354.
- "Pecora Dres-Kote Flat Enamel." (For Flat Enamel Paint.) Pecora Paint Company. No. 17,493; Jan. 27; Gaz. vol. 198; p. 896.
- "Peerage Linen." (For Fine Stationery.) White & Wyck-off Mfg. Co. No. 17,661; Apr. 14; Gaz. vol. 201; p. 568.
- "Peninsular Brand." (For Condensed Milk.) Borden's Condensed Milk Company. No. 18,052; Nov. 3; Gaz. vol. 208; p. 336.

Alphabetical list of labels—Continued.

- "Perfection." (For Stamping-Paste.) E. Brown. No. 18,010; Oct. 13; Gaz. vol. 207; p. 607.
- "Perfection." (For Violin-Strings.) Southern California Music Company. No. 17,592; Mar. 3; Gaz. vol. 200; p. 278.
- "Perfection Knitted Scarf." (For Knitted Scarfs.) The Charles Seidman Company. No. 17,582; Feb. 24; Gaz. vol. 199; p. 1242.
- "Peter's Pistach Nuts." (For Pistach-Nuts.) Peter Pistach Nut Co. No. 17,742; May 26; Gaz. vol. 202; p. 1257.
- "Phoenix's California Ripe Olives." (For Ripe Olives.) Phoenix Bros. No. 17,955; Sept. 1; Gaz. vol. 206; p. 311.
- "Pillsbury's Health Bran." (For Bran.) Pillsbury Flour Mills Company. No. 17,853; July 14; Gaz. vol. 204; p. 673.
- "Pilot Rubber Type Roofing." (For Roofing.) A. J. Ariel. No. 17,567; Feb. 24; Gaz. vol. 199; p. 1242.
- "Pineisle Beauties." (For Pineapples.) H. B. Kopf. No. 17,889; Aug. 4; Gaz. vol. 205; p. 303.
- "Pink T. Sweet." (For Crystallized Sugar.) T. L. Perkins. No. 18,106; Nov. 10; Gaz. vol. 208; p. 654.
- "Pitt's Antiseptic Soap." (For Powdered Soap.) T. S. Pitt. No. 17,512; Feb. 3; Gaz. vol. 199; p. 305.
- "Planter's Punch." (For Cigars.) The Moehle Lithographic Company. No. 17,787; June 16; Gaz. vol. 203; p. 927.
- "Polar Ammonia Coll Packing." (For Packing.) B. W. Goodsell. No. 17,554; Feb. 17; Gaz. vol. 199; p. 937.
- "Portales Gems." (For Cantaloups.) R. W. Gees Commission Co. No. 17,975; Sept. 15; Gaz. vol. 206; p. 875.
- "Postacola." (For a Beverage.) Kurtz & Post. No. 18,069; Nov. 3; Gaz. vol. 208; p. 336.
- "Powdered Skim Milk." (For Powdered Skim-Milk.) California Central Creameries. No. 17,936; Sept. 1; Gaz. vol. 206; p. 311.
- "President." (For Coffee.) The Western Coffee Company. No. 18,159; Dec. 22; Gaz. vol. 209; p. 1315.
- "Prince Henry Rye." (For Bread.) P. Schulze. No. 17,747; May 26; Gaz. vol. 202; p. 1257.
- "Prof. Ernst Haeckel." (For Cigars.) A. C. Henschel & Co. No. 17,912; Aug. 18; Gaz. vol. 205; p. 1019.
- "Pure Reliance Baking Powder." (For Baking-Powder.) Reliance Manufacturing Company. No. 17,925; Aug. 18; Gaz. vol. 205; p. 1019.
- "Purest Neapolitan-Style Macaroni." (For Macaroni.) The Imperial Macaroni Co. No. 18,066; Nov. 3; Gaz. vol. 208; p. 336.
- "Purina Whole Wheat Zwieback." (For Zwieback.) Ralston Purina Company. No. 18,077; Nov. 3; Gaz. vol. 208; p. 336.
- "Purity Yeast." (For Yeast.) Purity Yeast Co. No. 17,854; July 14; Gaz. vol. 204; p. 673.
- "Pyramid Rubber Roofing." (For Rubber Roofing.) A. J. Ariel. No. 17,646; Apr. 14; Gaz. vol. 201; p. 568.
- "Q and Q." (For Macaroni.) Fort Worth Macaroni Co. No. 17,845; July 14; Gaz. vol. 204; p. 673.
- "Quality Cigars." (For Cigars.) American Lithographic Company. No. 18,047; Nov. 3; Gaz. vol. 208; p. 336.
- "Queen City." (For Beer.) The Wetterer Brewing Co. No. 17,988; Sept. 15; Gaz. vol. 206; p. 875.
- "Quick Relief Lung Balsam." (For Medicine.) Quick Relief Remedy Company. No. 17,982; Sept. 15; Gaz. vol. 206; p. 875.
- "Quit-Tobac." (For Quit-Tobac.) Dillehay Bros. No. 17,882; Aug. 4; Gaz. vol. 205; p. 303.
- "Radio." (For Coffee.) Triet-Stanley. No. 17,562; Feb. 17; Gaz. vol. 199; p. 937.
- "Radiumeter." (For Metal Chemical-Containers.) H. Sherin. No. 17,796; June 16; Gaz. vol. 203; p. 927.
- "Rain-Proof Roofing." (For Roofing-Felt.) New West End Manufacturing Co. No. 18,130; Nov. 24; Gaz. vol. 208; p. 1354.
- "Ralgine." (For Relief of Neuralgia.) M. J. Gould. No. 18,121; Nov. 24; Gaz. vol. 208; p. 1354.
- "Re-Vive-It." (For a Cleaning and Polishing Compound.) A. Stallwitz. No. 18,083; Nov. 3; Gaz. vol. 208; p. 336.
- "Readyseller." (For Toilet-Paper.) The John Hoberg Company. No. 17,735; May 26; Gaz. vol. 202; p. 1257.
- "Real Restful Rest." (For Bed-Springs.) The Cleveland Wire Spring Co. No. 17,840; July 14; Gaz. vol. 204; p. 673.
- "Red Label S. S. S." (For Cigars.) Kraus & Co. No. 17,919; Aug. 18; Gaz. vol. 205; p. 1019.
- "Red Lion." (For Beer.) Gutsch Brewing Co. No. 17,911; Aug. 18; Gaz. vol. 205; p. 1019.
- "Red Ribbon." (For Cigars.) W. A. Depue. No. 18,115; Nov. 24; Gaz. vol. 208; p. 1354.
- "Red Seal Invisible Hair Nets." (For Hair-Nets.) Morris, Mann and Reilly. No. 17,810; June 23; Gaz. vol. 203; p. 1259.
- "Regional Bank." (For Cigars.) Kraus & Co. No. 17,825; July 7; Gaz. vol. 204; p. 317.
- "Removalin." (For a Medicinal Preparation.) S. S. Penn. No. 17,871; July 28; Gaz. vol. 204; p. 1343.
- "Rex." (For Pork and Beans.) The Cudahy Packing Co. No. 17,940; Sept. 1; Gaz. vol. 206; p. 311.
- "Rex Puncture Cure." (For a Compound for Sealing Punctures.) Rex Puncture Cure Company. No. 17,630; Mar. 31; Gaz. vol. 200; p. 1389.
- "Rexport." (For Beer.) Dubuque Brewing & Malting Co. No. 17,666; Apr. 28; Gaz. vol. 201; p. 1218.
- "Reynolds' Sweet Milk Fudge Kocoa." (For Cocoa.) M. H. Reynolds. No. 17,673; Apr. 28; Gaz. vol. 201; p. 1218.
- "Rheumabath." (For a Medicinal Preparation.) Rheumabath Company. No. 17,476; Jan. 20; Gaz. vol. 198; p. 701.
- "Rheumasalts." (For a Saline Laxative.) Rheumabath Company. No. 17,475; Jan. 20; Gaz. vol. 198; p. 701.
- "Rice-Toast." (For Rice Toasted.) A. D. Tait. No. 17,750; May 26; Gaz. vol. 202; p. 1257.
- "Rippey's Concentrated Marshmallow Cream Icing." (For Cake-Icing.) W. Rippey. No. 18,078; Nov. 3; Gaz. vol. 208; p. 336.
- "Rising Sun." (For Canned Pickles.) North American Mercantile Co. No. 17,890; Aug. 4; Gaz. vol. 205; p. 303.
- "Robert Smith's Philada. Brown Stout." (For Stout.) The Robert Smith Ale Brewing Co. No. 17,983; Sept. 15; Gaz. vol. 206; p. 875.
- "Rock Crystals." (For Rock Crystals.) Archbold Sales Corporation. No. 17,553; Feb. 17; Gaz. vol. 199; p. 937.
- "Roman P. W. Cleanser." (For a Cleanser for White Shoes.) C. Filippone. No. 17,603; Mar. 24; Gaz. vol. 200; p. 1113.
- "Rookwood." (For Enamel.) The A. Wilhelm Company. Nos. 17,990-1; Sept. 15; Gaz. vol. 206; p. 875.
- "Royal Seal." (For Beer.) The Wetterer Brewing Co. No. 17,989; Sept. 15; Gaz. vol. 206; p. 875.
- "Ruby Lax." (For a Pleasant Laxative.) T. C. Farley. No. 17,457; June 20; Gaz. vol. 198; p. 701.
- "Russ Turk." (For Tobacco.) M. Lakowitz. No. 17,463; Jan. 20; Gaz. vol. 198; p. 701.
- "Russell's Ideal Sanitary Unfermented Individual Grape Juice Cupette." (For a Grape-Juice Product.) W. H. Russell. No. 17,891; Aug. 4; Gaz. vol. 205; p. 303.
- "Russet Combination Cleaner and Polish for all Russet & Tan Shoes and Leather Goods." (For Shoe-Polish.) Hermes Shoe Polish Company. No. 17,486; Jan. 27; Gaz. vol. 198; p. 896.
- "Ryan's Naphtha Soap." (For Soap.) The Ryan Soap Company. No. 17,494; Jan. 27; Gaz. vol. 198; p. 896.
- "S. S. White Carbolyzed Tooth Paste." (For Tooth-Paste.) The S. S. White Dental Manufacturing Company. No. 18,093; Nov. 3; Gaz. vol. 208; p. 337.
- "S. S. White Cold Cream." (For Cold-Cream.) The S. S. White Dental Manufacturing Company. Nos. 18,090-1; Nov. 3; Gaz. vol. 208; p. 337.
- "S. S. White Tooth Paste." (For Tooth-Paste.) The S. S. White Dental Manufacturing Company. No. 18,092; Nov. 3; Gaz. vol. 208; p. 237.
- "S. S. White Violet Talcum Powder." (For Talcum Powder.) The S. S. White Dental Manufacturing Company. No. 18,143; Nov. 24; Gaz. vol. 208; p. 1354.
- "Sagamore Brand." (For Grapes.) Hector Fruit Growers Association. No. 18,154; Dec. 22; Gaz. vol. 209; p. 1315.
- "Saginaw Creamery Co. Dairy Products." (For Butter.) Saginaw Creamery Company. No. 17,927; Aug. 18; Gaz. vol. 205; p. 1019.
- "Sal-Vet Brand Lice Powder." (For an Insecticide.) The S. R. Feil Company. No. 17,805; June 23; Gaz. vol. 203; p. 1259.
- "Sal-Vet Brand Poultry Tonic." (For a Poultry-Tonic.) The S. R. Feil Company. No. 17,806; June 23; Gaz. vol. 203; p. 1259.
- "Sal-Vet Brand Roup Tablets." (For a Remedy.) The S. K. Feil Company. No. 17,729; May 26; Gaz. vol. 202; p. 1257.
- "Salada." (For Cocoa.) P. C. Larkin. No. 17,695; May 12; Gaz. vol. 202; p. 630.
- "Salzer Seeds." (For Seeds.) John A. Salzer Seed Co. No. 17,834; July 7; Gaz. vol. 204; p. 317.
- "Sam-Pan." (For Toilet-Paper.) The John Hoberg Company. No. 17,733; May 26; Gaz. vol. 202; p. 1257.
- "Samidare." (For Toilet-Paper.) The John Hoberg Co. No. 17,995; Sept. 22; Gaz. vol. 206; p. 1160.
- "Samore." (For Tea.) C. F. Bonsor & Co. No. 18,050; Nov. 3; Gaz. vol. 208; p. 336.
- "Sani-Flush." (For a Cleaning Preparation.) The Hygienic Products Co. No. 17,693; May 12; Gaz. vol. 202; p. 630.
- "Say Sims." (For Breakfast Food.) Sims Cereal Company. No. 18,152; Dec. 15; Gaz. vol. 209; p. 1051.
- "Schulze's Nature Bread." (For Bread.) P. Schulze. No. 17,814; June 23; Gaz. vol. 203; p. 1259.
- "Scopolamine Stable 'Roche.'" (For a Medicinal Preparation.) The Hoffmann-La Roche Chemical Works. No. 18,123; Nov. 24; Gaz. vol. 208; p. 1354.
- "Scotmlnts." (For Peppermints.) F. L. Scott. No. 17,514; Feb. 3; Gaz. vol. 199; p. 305.

Alphabetical list of labels—Continued.

- "Seal Shell Eggs." (For Eggs.) California Central Creameries. No. 18,057; Nov. 3; Gaz. vol. 208; p. 336.
- "Sealeaf." (For Cod-Liver Oil.) J. Rosenberg. No. 17,561; Feb. 17; Gaz. vol. 199; p. 937.
- "Security Seal." (For Cigars.) Wiedmann-St. Louis Cigar Box Co. No. 17,799; June 16; Gaz. vol. 203; p. 927.
- "Seeandbee." (For Cigars.) The Shelby Cigar Co. No. 17,795; June 16; Gaz. vol. 203; p. 927.
- "Seleccion Especial." (For Cigars.) American Lithographic Company. No. 18,008; Oct. 13; Gaz. vol. 207; p. 607.
- "Senuela." (For Cigars.) A. C. Henschel & Co. No. 17,555; Feb. 17; Gaz. vol. 199; p. 937.
- "Setsnug." (For Underwear for Men.) Avalon Knitwear Company. No. 17,717; May 26; Gaz. vol. 202; p. 1257.
- "Setsnug." (For Underwear for Boys.) Avalon Knitwear Company. No. 17,718; May 26; Gaz. vol. 202; p. 1257.
- "Setsnug." (For Underwear for Men.) Avalon Knitwear Company. No. 17,719; May 26; Gaz. vol. 202; p. 1257.
- "Setsnug." (For Underwear for Boys.) Avalon Knitwear Company. No. 17,720; May 26; Gaz. vol. 202; p. 1257.
- "Setsnug." (For Underwear for Girls.) Avalon Knitwear Company. No. 17,721; May 26; Gaz. vol. 202; p. 1257.
- "Setsnug." (For Mesh-Underwear.) Avalon Knitwear Company. No. 17,722; May 26; Gaz. vol. 202; p. 1257.
- "Sèvres Superfine." (For Fine Stationery.) White & Wyckoff Mfg. Co. No. 17,662; Apr. 14; Gaz. vol. 201; p. 568.
- "Shellaly." (For Handkerchiefs.) Heller & Long. No. 17,533; Feb. 10; Gaz. vol. 199; p. 615.
- "Shimosa Japanese." (For Toilet-Paper.) The John Hoberg Company. No. 17,732; May 26; Gaz. vol. 202; p. 1257.
- "Silver Band." (For Toilet-Paper.) Schermerhorn Brothers Company. No. 17,793; June 16; Gaz. vol. 203; p. 927.
- "Simplicity." (For Children's Underwear Suits.) Segal Bros. No. 18,136; Nov. 24; Gaz. vol. 208; p. 1354.
- "Six Days." (For Cigars.) Kraus & Co. No. 17,917; Aug. 18; Gaz. vol. 205; p. 1019.
- "Sixth Senator." (For Cigars.) La Posenda Cigar Company. No. 17,997; Sept. 22; Gaz. vol. 206; p. 1160.
- "Slippon." (For Hair-Nets.) Messrs. Burnet & Temple. No. 18,011; Oct. 13; Gaz. vol. 207; p. 607.
- "Slivovitz." (For Hungarian Plum Brandy.) A. Grunbaum. No. 17,761; June 2; Gaz. vol. 203; p. 303.
- "Smoked with Corncobs." (For Hams and Bacon.) Batchelder & Snyder Company. No. 17,450; Jan. 20; Gaz. vol. 198; p. 701.
- "Smoking Mixture." (For Smoking-Tobacco.) Falk Tobacco Co. No. 17,504; Feb. 3; Gaz. vol. 199; p. 305.
- "Smucker's Apple Butter." (For Apple-Butter.) J. M. Smucker. No. 18,039; Oct. 13; Gaz. vol. 207; p. 607.
- "Snow Crepe." (For Toilet-Paper.) Schermerhorn Brothers Company. No. 17,794; June 16; Gaz. vol. 203; p. 927.
- "Snow Flake Cotton Comforts." (For Comforts.) The R. Blankenburg Company. No. 17,638; Apr. 7; Gaz. vol. 201; p. 266.
- "Snow Flake Sodas." (For Salted Wafers.) Pacific Coast Biscuit Company. No. 17,670; Apr. 28; Gaz. vol. 201; p. 1218.
- "Society-Brown." (For Face-Powder.) C. A. Wolf. No. 18,094; Nov. 3; Gaz. vol. 208; p. 337.
- "Society Linen Stationery of Refinement." (For Stationery.) White & Wyckoff Mfg. Co. No. 17,643; Apr. 7; Gaz. vol. 201; p. 266.
- "Soil-Tone." (For a Mineral Fertilizer.) C. R. Stuart. No. 18,042; Oct. 13; Gaz. vol. 207; p. 607.
- "Sol Duc Magical Natural Mineral Water." (For Mineral Water.) Sol Duc Hot Springs Company. No. 17,704; May 12; Gaz. vol. 202; p. 630.
- "Sol Duc Natural Mineral Water Carbonated." (For Mineral Water.) Sol Duc Hot Springs Company. No. 17,703; May 12; Gaz. vol. 202; p. 630.
- "Solaradio Metal Polish and Window Cleanser." (For Metal-Polish.) S. Cohl. No. 17,528; Feb. 10; Gaz. vol. 199; p. 615.
- "Something Fine." (For Cigars.) S. Herzberg. No. 17,994; Sept. 22; Gaz. vol. 206; p. 1160.
- "Sore-Off The Horse's Best Friend." (For a Veterinary Remedy.) J. Kahn. No. 17,950; Sept. 1; Gaz. vol. 206; p. 311.
- "Spalding 'Official National League' Ball." (For Baseballs.) A. G. Spalding & Bros. No. 18,040; Oct. 13; Gaz. vol. 207; p. 607.
- "Spalding 'Official National League' Jr." (For Baseballs.) A. G. Spalding Bros. No. 18,082; Nov. 3; Gaz. vol. 208; p. 336.
- "Spanish Brown." (For Cigars.) The Moehle Lithographic Company. No. 17,540; Feb. 10; Gaz. vol. 199; p. 615.
- "Spar-It." (For Varnish.) Adams & Elting Company. No. 17,900; Aug. 18; Gaz. vol. 205; p. 1019.
- "Sparkplug." (For Self-Rising Flour.) Sparks Milling Company. No. 17,549; Feb. 10; Gaz. vol. 199; p. 615.
- "Sphinx Rubber Roofing." (For Rubber Roofing.) A. J. Ariel. No. 17,645; Apr. 14; Gaz. vol. 201; p. 568.
- "Spitzenbergs." (For Apples.) Davidson Fruit Co. No. 18,112; Nov. 24; Gaz. vol. 208; p. 1354.
- "Splendid Brand." (For Squash.) John Bird Company. No. 17,452; Jan. 20; Gaz. vol. 198; p. 701.
- "Spring-Root." (For Candy-Coated Chewing-Gum.) Frank H. Fleer Corporation. No. 17,908; Aug. 18; Gaz. vol. 205; p. 1019.
- "Spring-Root." (For Chewing-Gum.) Frank H. Fleer Corporation. No. 18,019; Oct. 13; Gaz. vol. 207; p. 607.
- "Stainoff." (For a Medicinal Preparation.) Ballford Chemical Company. No. 17,523; Feb. 10; Gaz. vol. 199; p. 615.
- "Standard Brand." (For Condensed Milk.) Borden's Condensed Milk Company. No. 18,051; Nov. 3; Gaz. vol. 208; p. 336.
- "Standard Delicious Pickles." (For Sweet Mixed Pickles.) The Standard Pickle Co. No. 18,041; Oct. 13; Gaz. vol. 207; p. 607.
- "Standard Laundry Bluing." (For Laundry Bluing.) The Standard Pickle Co. No. 18,084; Nov. 3; Gaz. vol. 208; p. 336.
- "Stanwick." (For Cigars.) American Lithographic Company. No. 18,007; Oct. 13; Gaz. vol. 207; p. 607.
- "Star Brand." (For Condensed Milk.) Borden's Condensed Milk Company. No. 18,055; Nov. 3; Gaz. vol. 208; p. 336.
- "Star Brand." (For Condensed Milk.) Borden's Condensed Milk Company. No. 18,145; Dec. 15; Gaz. vol. 209; p. 1051.
- "State Seal." (For Cigars.) Noack & Klautdt. No. 17,808; June 23; Gaz. vol. 203; p. 1259.
- "Statesman." (For Coffee.) The Western Coffee Co. No. 18,161; Dec. 22; Gaz. vol. 209; p. 1315.
- "Steiner's-Calcio-Iron-Tonic." (For Calcio-Iron Tonic.) E. E. Steiner. No. 17,748; May 26; Gaz. vol. 202; p. 1257.
- "Stelwagon Special Pitch." (For Pitch.) Stelwagon Manufacturing Co. No. 18,137; Nov. 24; Gaz. vol. 208; p. 1354.
- "Stelwagon Special Tarred Felt." (For Tarred Felt.) Stelwagon Manufacturing Co. No. 18,138; Nov. 24; Gaz. vol. 208; p. 1354.
- "Strawberries Product of Loranger Upland Farms Loranger P. O., La." (For Strawberries.) Genesee Lumber Company. No. 17,507; Feb. 3; Gaz. vol. 199; p. 305.
- "Strocleen." (For a Composition for Cleaning and Bleaching Straw Hats.) L. Krause. No. 17,694; May 12; Gaz. vol. 202; p. 630.
- "Strouse's Ginger Brandy." (For Cordialized Ginger Brandy.) American Wine and Spirit Company. No. 17,601; Mar. 24; Gaz. vol. 200; p. 1113.
- "Sugar Moons." (For Candy.) Package Confectionery Company. No. 17,812; June 23; Gaz. vol. 203; p. 1259.
- "Sugar-Valley Mineral Water." (For Mineral Water.) L. McClaskey. No. 17,980; Sept. 15; Gaz. vol. 206; p. 875.
- "Sun Brand." (For Dried Fruits.) A. R. Thompson. No. 18,140; Nov. 24; Gaz. vol. 208; p. 1354.
- "Sun Flower." (For Cigars.) Kraus & Co. No. 17,915; Aug. 18; Gaz. vol. 205; p. 1019.
- "Sun-Kist." (For Fancy-Grade Dried Fruits.) The J. K. Armsby Co. No. 17,751; June 2; Gaz. vol. 203; p. 303.
- "Sun-Kist." (For Extra-Choice-Grade Dried Fruits.) The J. K. Armsby Co. No. 17,752; June 2; Gaz. vol. 203; p. 303.
- "Sun-Kist." (For Choice-Grade Dried Fruits.) The J. K. Armsby Co. No. 17,753; June 2; Gaz. vol. 203; p. 303.
- "Sun-Kist." (For Extra-Fancy-Grade Dried Fruits.) The J. K. Armsby Co. No. 17,754; June 2; Gaz. vol. 203; p. 303.
- "Sun Kist Red Kidney Beans." (For Canned Kidney Beans.) The J. K. Armsby Co. No. 17,715; May 26; Gaz. vol. 202; p. 1257.
- "Sun-Shine." (For Furniture and Brass Polish.) E. W. Thumb. No. 17,634; Mar. 31; Gaz. vol. 200; p. 1389.
- "Sunbonnet Brand." (For Oleomargarin.) Geo. R. Eldridge Company. No. 17,617; Mar. 31; Gaz. vol. 200; p. 1389.
- "Sunnymead Brand Best in the Land." (For Fruits, Vegetables, Dairy Products, Grain, and Poultry.) L. H. Tasker. No. 17,707; May 12; Gaz. vol. 202; p. 630.
- "Sunshine Cleanser." (For Cleanser.) Binghamton Soap Works. No. 17,772; June 16; Gaz. vol. 203; p. 927.
- "Superior Cigars." (For Cigars.) American Lithographic Company. No. 18,006; Oct. 13; Gaz. vol. 207; p. 607.

Alphabetical list of labels—Continued.

- "Suretred." (For Shoes.) Gray and Krause. No. 17,570; Feb. 24; Gaz. vol. 199; p. 1242.
- "Sweet Lavander Face Powder." (For Face-Powder.) G. E. Spiltor. No. 17,766; June 2; Gaz. vol. 203; p. 303.
- "Sweet Pepsin Salts." (For Sweet Pepsin Salts.) J. J. Cronan. No. 17,968; Sept. 15; Gaz. vol. 206; p. 875.
- "Sweet Vueltas." (For Cigars.) The Moehle Lithographic Company. No. 17,542; Feb. 10; Gaz. vol. 199; p. 615.
- "Sweetheart Brand." (For Coffee.) German-American Coffee Company. No. 17,649; Apr. 14; Gaz. vol. 201; p. 568.
- "Sweetmash 100 proof Corn Whiskey." (For Corn Whisky.) Josselson Bros. No. 18,027; Oct. 13; Gaz. vol. 207; p. 607.
- "Sweatmeal." (For Cereals.) E. Davis. No. 18,098; Nov. 10; Gaz. vol. 208; p. 654.
- "Tablets Antiseptic Wilson's." (For a Pharmaceutical Preparation.) Henry K. Wampole and Company. No. 17,517; Feb. 3; Gaz. vol. 199; p. 305.
- "Tahl's Sanitary Berry, Ice Cream & Salad Sets." (For Berry, Ice-Cream, and Salad Sets.) I. Tahl. No. 17,706; May 12; Gaz. vol. 202; p. 630.
- "Tango Chocolates." (For Chocolates.) Park & Tilford. No. 17,898; Aug. 11; Gaz. vol. 205; p. 660.
- "Taylor's Best Blood Medicine." (For Medicine.) M. M. Taylor. No. 17,930; Aug. 18; Gaz. vol. 205; p. 1019.
- "Tea." (For Tea.) Lotos Tea Concern. No. 17,509; Feb. 3; Gaz. vol. 199; p. 305.
- "Tea Bush To Tea Pot." (For Tea.) H. R. Crowley. No. 17,804; June 23; Gaz. vol. 203; p. 1259.
- "Tech." (For Beer.) Pittsburgh Brewing Company. No. 17,789; June 16; Gaz. vol. 203; p. 927.
- "Teplitz Water." (For Table-Water.) R. M. Haan. No. 17,531; Feb. 10; Gaz. vol. 199; p. 615.
- "Thalia." (For Macaroni.) P. De Martini. No. 17,501; Feb. 3; Gaz. vol. 199; p. 305.
- "The Alden Sanitary Napkin Holder." (For Sanitary Napkins.) L. Alden. No. 18,153; Dec. 22; Gaz. vol. 209; p. 1315.
- "The Boss." (For Handkerchiefs.) Heller & Long. No. 17,484; Jan. 27; Gaz. vol. 198; p. 896.
- "The Canvas Tread Tire." (For Canvas-Tread Tires.) D. B. Smith. No. 18,108; Nov. 10; Gaz. vol. 208; p. 654.
- "The Empire." (For Mattresses.) Empire Mattress Company. No. 17,618; Mar. 31; Gaz. vol. 200; p. 1389.
- "The Gateway Brand." (For Apples.) Lewiston Orchards Association. No. 18,155; Dec. 22; Gaz. vol. 209; p. 1315.
- "The Gateway Brand." (For Pears.) Lewiston Orchards Association. No. 18,156; Dec. 22; Gaz. vol. 209; p. 1315.
- "The Haberdasher." (For Shirts.) Oppenheim, Oberndorf & Co. No. 17,492; Jan. 27; Gaz. vol. 198; p. 896.
- "The Lone Star Adjustable Draft Hame." (For Hames.) U. S. Hame Company. No. 17,984; Sept. 15; Gaz. vol. 206; p. 875.
- "The Lustre Box." (For a Polishing Material.) The Reynolds Corporation. No. 17,743; May 26; Gaz. vol. 202; p. 1257.
- "The North-Western Brand." (For Flour.) Warfield-Pratt-Howell-Co. No. 17,798; June 16; Gaz. vol. 203; p. 927.
- "The Old Craft." (For Paper Toweling.) The John Hoberg Company. No. 17,731; May 26; Gaz. vol. 202; p. 1257.
- "The Old Petri." (For Cigars.) Petri-Italian-American Cigar Co. No. 17,546; Feb. 10; Gaz. vol. 199; p. 615.
- "The Original Ideal Package." (For Paints.) Hanline Bros. No. 17,532; Feb. 10; Gaz. vol. 199; p. 615.
- "The Paper City Tablet." (For Writing-Tablets.) White & Wyckoff Mfg. Co. No. 17,584; Feb. 24; Gaz. vol. 199; p. 1242.
- "The Perego & Moore Co. Perfectos." (For Cigars.) Kraus & Co. No. 17,918; Aug. 18; Gaz. vol. 205; p. 1019.
- "The Rolfe Regulation American Lawn Golf Ball." (For Golf-Balls.) C. A. Rolfe. No. 18,135; Nov. 24; Gaz. vol. 208; p. 1354.
- "The Scout Game." (For Game Apparatus.) J. C. Bardwell. No. 17,497; Feb. 3; Gaz. vol. 199; p. 305.
- "The Standard Carrier." (For Carriers.) W. Tribble. No. 17,767; June 2; Gaz. vol. 203; p. 303.
- "The Test!" (For Varnish or Painting Material.) Valentine & Company. No. 17,635; Mar. 31; Gaz. vol. 200; p. 1389.
- "The Wandering Dew Vine Hair Grower." (For a Hair-Tonic.) M. Lewis. No. 17,849; July 14; Gaz. vol. 204; p. 673.
- "The White Chief." (For a Remedy.) R. E. McInturff. No. 17,669; Apr. 28; Gaz. vol. 201; p. 1218.
- "The Yale Brass and Metal Polish." (For Brass and Metal Polish.) W. C. Glienke. No. 17,650; Apr. 14; Gaz. vol. 201; p. 568.
- "3 in 1." (For Blackberry Ginger and Brandy.) Fialla & Eppler. No. 17,973; Sept. 15; Gaz. vol. 206; p. 875.
- "Tip Silica." (For Silica.) T. R. Treiber. No. 17,797; June 16; Gaz. vol. 203; p. 927.
- "Tis Rite." (For Bread.) Dealer's Baking Co. No. 17,530; Feb. 10; Gaz. vol. 199; p. 615.
- "To Get the Best Results Use O-Cedar Polish The O-Cedar Polish Way." (For O-Cedar Polish.) Channell Chemical Company. No. 17,664; Apr. 28; Gaz. vol. 201; p. 1218.
- "Tono." (For a Medicinal Preparation.) Laxago Bitters Co. No. 17,577; Feb. 24; Gaz. vol. 199; p. 1242.
- "Tops for Tots." (For Baby-Caps and Misses' Millinery.) M. Mayer. No. 18,128; Nov. 24; Gaz. vol. 208; p. 1354.
- "Touch-an-Go." (For a Cleaning Compound.) M. F. Supply Co. No. 17,678; Apr. 28; Gaz. vol. 201; p. 1218.
- "Tout Mon Jardin." (For Sachet.) Richard Hudnut. No. 17,487; Jan. 27; Gaz. vol. 198; p. 896.
- "Tri-Um." (For Foot Bath Tablets.) H. C. Pfaff. No. 17,511; Feb. 3; Gaz. vol. 199; p. 305.
- "Triplex Biscuit." (For Biscuit.) Triplex Biscuit Co. No. 17,958; Sept. 1; Gaz. vol. 206; p. 311.
- "Tripoli Brand." (For Macaroni.) The Savarese Macaroni Co. No. 18,037; Oct. 13; Gaz. vol. 207; p. 607.
- "Tuna." (For Tinned Sea-Fish.) Van Camp Sea Food Company. No. 18,044; Oct. 13; Gaz. vol. 207; p. 607.
- "Turnpike Brand." (For Farm Products.) H. C. Greene. No. 18,100; Nov. 10; Gaz. vol. 208; p. 654.
- "20th Century Manufacturing Co.'s 20th Century Never-Leak Radiator Compound." (For Radiator Compounds.) 20th Century Manufacturing Co. No. 17,527; Feb. 10; Gaz. vol. 199; p. 615.
- "20th Century Mfg. Co.'s Sanitary Floor Dressing." (For Floor-Polish, Floor-Oils, and Sweeping Compounds.) 20th Century Manufacturing Co. No. 17,526; Feb. 10; Gaz. vol. 199; p. 615.
- "U. S. Tireless Spinner Top." (For Tops.) Schmidt Bros. Machine Works. No. 17,928; Aug. 18; Gaz. vol. 205; p. 1019.
- "Ulman's Coon Club." (For Rye Whisky.) I. Ulman & Sons. No. 17,859; July 14; Gaz. vol. 204; p. 673.
- "United." (For Milk.) Hudson Condensed Milk Co. No. 18,025; Oct. 13; Gaz. vol. 207; p. 607.
- "Universal." (For Perculators.) Landers, Frary & Clark. No. 17,464; Jan. 20; Gaz. vol. 198; p. 701.
- "Universal." (For Tea-Caddies.) Landers, Frary & Clark. No. 17,668; Apr. 28; Gaz. vol. 201; p. 1218.
- "Universal." (For Butcher-Knives.) Landers, Frary & Clark. No. 17,809; June 23; Gaz. vol. 203; p. 1259.
- "Universal." (For Putty-Knives.) Landers, Frary & Clark. No. 17,951; Sept. 1; Gaz. vol. 206; p. 311.
- "Useful and Just." (For Provisions.) Deforth Bros. No. 18,013; Oct. 13; Gaz. vol. 207; p. 607.
- "Valpolicella Arena Red." (For Wine.) Pessagno & Montresor. No. 17,740; May 26; Gaz. vol. 202; p. 1257.
- "Valpolicella Arena Sec." (For Wine.) Pessagno & Montresor. No. 17,741; May 26; Gaz. vol. 202; p. 1257.
- "Van Camp's Chile Con Carne." (For Chilli-Con-Carne.) The Van Camp Packing Company. No. 17,709; May 12; Gaz. vol. 202; p. 630.
- "Van Camp's Spaghetti." (For Spaghetti.) The Van Camp Packing Company. No. 17,480; Jan. 20; Gaz. vol. 198; p. 701.
- "Velvet Hand Cleanser." (For a Hand-Cleaner.) Velvet Cleaner Co. No. 17,959; Sept. 1; Gaz. vol. 206; p. 311.
- "Véritable Bénédicte." (For a Cordial.) Societe Anonyme de la Distillerie de la Liqueur Benedictine de L'Abbaye de Fecamp. No. 18,000; Sept. 22; Gaz. vol. 206; p. 1160.
- "Vermouth." (For Vermuth.) The Cordial Panna Company. No. 17,569; Feb. 24; Gaz. vol. 199; p. 1242.
- "Vermouth M. Chauvain & Cie." (For Vermuth.) M. Chauvain & Cie. No. 17,867; July 28; Gaz. vol. 204; p. 1343.
- "Very Best Chewing Gum." (For Chewing-Gum.) A. Medwedeff. No. 17,655; Apr. 14; Gaz. vol. 201; p. 568.
- "Vigor-Lix The Drink for Tired People." (For a Tonic Beverage.) Greenbaum Bros. No. 17,483; Jan. 27; Gaz. vol. 198; p. 896.
- "Vino Mezcal de Tequila." (For a Remedy for Liver and Kidney Complaints.) Houck & Dieter Co. No. 18,023; Oct. 13; Gaz. vol. 207; p. 607.
- "Vintage Blend." (For Tobacco.) Falk Tobacco Co. No. 17,648; Apr. 14; Gaz. vol. 201; p. 568.
- "Virginette." (For Wine.) The A. Schmidt Jr. & Bros. Wine Co. No. 17,632; Mar. 31; Gaz. vol. 200; p. 1389.
- "Viscol." (For Viscol for Shoes and Harness.) A. Sommer. No. 17,676; Apr. 28; Gaz. vol. 201; p. 1218.
- "Vitello Brand." (For Macaroni.) Monico-Alles Company. No. 17,828; July 7; Gaz. vol. 204; p. 317.
- "W. C. Maynard's Guaranteed Water Proof Shoe Oil." (For Shoe-Oil.) W. C. Maynard and Company. No. 17,536; Feb. 10; Gaz. vol. 199; p. 615.

Alphabetical list of labels—Continued.

- "Wagner's." (For Canned Pork and Beans with Tomato Sauce.) Martin Wagner Company. No. 17,876; July 28; Gaz. vol. 204; p. 1343.
- "Ward's Fine Cakes." (For Cake.) Ward Baking Company. No. 18,088; Nov. 3; Gaz. vol. 208; p. 337.
- "Warrior Liniment." (For Liniment.) J. B. Armour. No. 17,663; Apr. 28; Gaz. vol. 201; p. 1218.
- "Watch The Improved Victoria Pleater." (For a Plaiter.) H. O'Connor & Co. No. 18,004; Oct. 6; Gaz. vol. 207; p. 297.
- "Waterproof Cadillac Rubber Roofing." (For Roofing.) Gregg Hardware Co. No. 18,063; Nov. 3; Gaz. vol. 208; p. 336.
- "Waxit." (For Furniture and Automobile Polish.) Waxit Manufacturing Co. No. 18,158; Dec. 22; Gaz. vol. 209; p. 1315.
- "Weber's Ointment." (For Ointment.) A. Weber. No. 17,899; Aug. 11; Gaz. vol. 205; p. 660.
- "Welch's—'The National Drink.'". (For Unfermented Grape-Juice.) The Welch Grape Juice Company. No. 18,089; Nov. 3; Gaz. vol. 208; p. 337.
- "Wheatsbest." (For Flour.) J. W. Denio Milling Company. No. 17,684; May 12; Gaz. vol. 202; p. 630.
- "Wheatsworth." (For Whole-Wheat Biscuit.) F. H. Bennett Biscuit Company. No. 17,680; May 12; Gaz. vol. 202; p. 630.
- "White Dome." (For Shortening.) The Capitol Refining Company. No. 17,938; Sept. 1; Gaz. vol. 206; p. 311.
- "White Polar Bear Blueing." (For Bluing.) Wilkes-Barre Chemical Co. No. 17,712; May 12; Gaz. vol. 202; p. 630.
- "White Rose." (For Toilet-Paper.) The Tuttle Press Company. No. 17,516; Feb. 3; Gaz. vol. 199; p. 305.
- "White Rose Ginger Ale." (For Ginger-Ale.) J. A. Long. No. 17,466; Jan. 20; Gaz. vol. 198; p. 701.
- "White Steel Sanitary Furniture." (For Furniture Made Mainly of Steel.) The Adjustable Table Company. No. 17,446; Jan. 20; Gaz. vol. 198; p. 701.
- "Wicomico Club." (For Rye Whisky.) I. Ulman & Sons. No. 17,856; July 14; Gaz. vol. 204; p. 673.
- "William Morton." (For Cigars.) C. H. Robinson. No. 17,611; Mar. 24; Gaz. vol. 200; p. 1113.
- "Winners." (For Canned Tomatoes.) Columbia Canning Co. No. 17,683; May 12; Gaz. vol. 202; p. 630.
- "Wormwood." (For a Medicinal Preparation.) Laxago Bitters Co. No. 17,578; Feb. 24; Gaz. vol. 199; p. 1242.
- "Wyre-Knit Hosiery Abolishes Darning." (For Hosiery.) Aycock Hosiery Mills. No. 18,110; Nov. 24; Gaz. vol. 208; p. 1354.
- "Yankee." (For Bread.) Robertson Paper Company. No. 18,079; Nov. 3; Gaz. vol. 208; p. 336.
- "Yeastless Bread." (For Bread.) The Yeastless Baking Co. No. 17,644; Apr. 7; Gaz. vol. 201; p. 266.
- "Youthever." (For a Medicinal Preparation.) Ballford Chemical Company. No. 17,522; Feb. 10; Gaz. vol. 199; p. 615.
- "Zapo." (For a Window-Cleaning Compound.) J. V. Yocum. No. 17,800; June 16; Gaz. vol. 203; p. 927.
- "Zieve's Fruit Nector Compound." (For a Fruit Compound.) Twin City Chemical Co. No. 18,085; Nov. 3; Gaz. vol. 208; p. 336.
- "Zubrownik." (For Medicinal Bitter Wine.) Prebol's Pharmacy. No. 17,672; Apr. 28; Gaz. vol. 201; p. 1218.

PRINTS.

- "A Case Of Good Health." (For a Tonic.) The Peter Schoenhofen Brewing Company. No. 3,667; July 7; Gaz. vol. 204; p. 318.
- "A case of Good Judgment." (For Beer.) The Peter Schoenhofen Brewing Co. Nos. 3,604-5; May 26; Gaz. vol. 202; p. 1258.
- "A Case Of Good Judgment." (For Beer.) The Peter Schoenhofen Brewing Co. No. 3,687; July 28; Gaz. vol. 204; p. 1343.
- "A Case of Good Judgment." (For Beer.) The Peter Schoenhofen Brewing Co. Nos. 3,732-8; Sept. 15; Gaz. vol. 206; p. 876.
- "A Case of Good Judgment." (For Beer.) The Peter Schoenhofen Brewing Co. Nos. 3,753-5; Oct. 13; Gaz. vol. 207; p. 608.
- "A Contract for Cool Comfort." (For Athletic Underwear.) The B. V. D. Company. No. 3,597; May 26; Gaz. vol. 202; p. 1258.
- "A Good Bottle To Keep Good Whiskey Good." (For Whisky.) Stewart Distilling Co. No. 3,520; Mar. 3; Gaz. vol. 200; p. 278.
- "A jimmy pipe is bully fine." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,636; June 2; Gaz. vol. 203; p. 304.
- "A Man's Solid Comfort." (For Felt Slippers.) Daniel Green Felt Shoe Company. No. 3,584; May 12; Gaz. vol. 202; p. 630.
- "A Sanitary Cap For Milk Bottles." (For Caps for Milk-Bottles.) C. Jacobs. No. 3,569; Apr. 28; Gaz. vol. 201; p. 1218.
- "Acheson Lubricants." (For Lubricants.) International Acheson Graphite Co. No. 3,602; May 26; Gaz. vol. 202; p. 1258.
- "Acheson Lubricants." (For Lubricants.) International Acheson Graphite Co. No. 3,642; June 16; Gaz. vol. 203; p. 928.
- "Admiration Outfit." (For Clothing.) A. Bauman. No. 3,715; Sept. 1; Gaz. vol. 206; p. 311.
- "Ah' reckon as how he's de bes known man in de worl." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,557; Apr. 14; Gaz. vol. 201; p. 568.
- "Algola Pills." (For Pills.) Duane Pharmacal Company. No. 3,716; Sept. 1; Gaz. vol. 206; p. 311.
- "Ali Baba and the Forty Thieves." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,785; Nov. 24; Gaz. vol. 208; p. 1354.
- "Arbuckle Brand Teas." (For Teas.) Arbuckle Brothers. No. 3,693; Aug. 18; Gaz. vol. 205; p. 1020.
- "Armstead's Play Ball." (For a Game of Base-Ball.) J. I. Austen Company. No. 3,484; Feb. 3; Gaz. vol. 199; p. 305.
- "Arrow Points Way Out." (For Signs.) The Stonehouse Steel Sign Company. No. 3,789; Nov. 24; Gaz. vol. 208; p. 1354.
- "Arrow Shirts." (For Shirts.) Cluett, Peabody & Co. Nos. 3,760-3; Nov. 3; Gaz. vol. 208; p. 338.
- "Arrow Silk Shirts." (For Arrow Silk Shirts.) Cluett, Peabody & Co. No. 3,696; Aug. 18; Gaz. vol. 205; p. 1020.
- "Arrow Tango Shirts." (For Shirts.) Cluett, Peabody & Co. Nos. 3,758-9; Nov. 3; Gaz. vol. 208; p. 338.
- "Athletæ." (For Women's Outdoor Garments.) Siegel Foster Co. No. 3,779; Nov. 3; Gaz. vol. 208; p. 338.
- "Auto Parts Co." (For Auto Parts.) Auto Parts Co. No. 3,517; Mar. 3; Gaz. vol. 200; p. 278.
- "B. V. D. 1914 Two Piece Suit." (For Athletic Underwear.) The B. V. D. Company. No. 3,475; Jan. 27; Gaz. vol. 198; p. 896.
- "B. V. D. 1914 Union Suit." (For Athletic Underwear.) The B. V. D. Company. No. 3,476; Jan. 27; Gaz. vol. 198; p. 896.
- "B. V. D. 1914 Youth's Union Suit." (For Athletic Underwear.) The B. V. D. Company. No. 3,721; Sept. 15; Gaz. vol. 206; p. 876.
- "Bad day' at the office?" (For Athletic Underwear.) The B. V. D. Company. No. 3,625; June 2; Gaz. vol. 203; p. 304.
- "Bag." (For Bags.) Milwaukee Bag Co. No. 3,751; Oct. 13; Gaz. vol. 207; p. 608.
- "Bell's Forkdript Chocolates." (For Chocolates.) J. S. Bell Confectionery Co. No. 3,525; Mar. 24; Gaz. vol. 200; p. 1113.
- "Berriman Brothers United States Bonded Cigar Factory." (For Cigars.) Berriman Bros. No. 3,505; Feb. 24; Gaz. vol. 199; p. 1242.
- "Between You and the Weather." (For Linen Felt.) Union Fibre Company. No. 3,568; Apr. 14; Gaz. vol. 201; p. 568.
- "Big joy for you rolling 'em with P. A." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,564; Apr. 14; Gaz. vol. 201; p. 568.
- "Biggest Seller Because 'Every Bite Tastes Right.'" (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,500; Feb. 10; Gaz. vol. 199; p. 616.
- "Black Diamond." (For Cigars.) W. A. Depue. No. 3,651; June 23; Gaz. vol. 203; p. 1259.
- "Bobs." (For Candy-Coated Chewing-Gum.) Frank H. Fleer Corporation. No. 3,702; Aug. 18; Gaz. vol. 205; p. 1020.
- "Boost some joy smoke into your system!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,714; Aug. 18; Gaz. vol. 205; p. 1020.
- "Boston Garter Velvet Grip." (For Men's Garters.) George Frost Company. No. 3,583; May 12; Gaz. vol. 202; p. 630.
- "Bread makes a Hit." (For Bread and Yeast.) The Fleischmann Company. No. 3,658; July 7; Gaz. vol. 204; p. 318.
- "Brooke's Lemos." (For Lemonade.) C. M. Brooke & Sons. No. 3,655; July 7; Gaz. vol. 204; p. 318.
- "Budweiser Honored By All Nations." (For Beer.) Anheuser Busch Brewing Assn. No. 3,720; Sept. 15; Gaz. vol. 206; p. 876.
- "Bunte Marshmallows." (For Marshmallows.) Bunte Brothers. Nos. 3,608-15; June 2; Gaz. vol. 203; p. 304.
- "Butt right in with your old jimmy pipe." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,684; July 28; Gaz. vol. 204; p. 1343.
- "Butter-Krust." (For Bread.) P. Schulze. No. 3,606; May 26; Gaz. vol. 202; p. 1258.
- "Butter-Krust Bread." (For Bread.) Excelsior Baking Company. No. 3,747; Oct. 13; Gaz. vol. 207; p. 608.
- "By Our Fruits Ye Shall Know Us." (For Fruits.) R. A. Noelck. No. 3,793; Dec. 22; Gaz. vol. 209; p. 1315.
- "Campbell." (For Sewing-Machines.) Campbell Bosworth Machinery Company. No. 3,746; Oct. 13; Gaz. vol. 207; p. 608.
- "Campbell's White Spark Plug." (For Spark-Plugs.) P. T. Campbell. No. 3,578; May 12; Gaz. vol. 202; p. 630.
- "Carola Inner-Player." (For Player-Pianos.) The Cable Company. No. 3,577; May 12; Gaz. vol. 202; p. 630.
- "Centralene Oils, 'Power In Every Drop.'" (For Oils.) Centralene Oil Company. No. 3,694; Aug. 18; Gaz. vol. 205; p. 1020.
- "Ceroma." (For Cigars.) W. A. Depue. No. 3,534; Mar. 31; Gaz. vol. 200; p. 1389.
- "Christopher Coal." (For Coal.) C. M. Moderwell & Company. No. 3,644; June 16; Gaz. vol. 203; p. 928.
- "Clock points to 4—." (For Athletic Underwear.) The B. V. D. Company. No. 3,628; June 2; Gaz. vol. 203; p. 304.
- "Cooks Thoro-Bread." (For Bread.) W. A. Adams Advertising Co. No. 3,745; Oct. 13; Gaz. vol. 207; p. 608.
- "Crispie." (For Peconut Crisp.) Westmorland Candy Company. No. 3,782; Nov. 3; Gaz. vol. 208; p. 338.
- "Criterion Underwear. Cool Comfortable Correct." (For Ladies' Underwear.) S. G. Easton. No. 3,722; Sept. 15; Gaz. vol. 206; p. 876.
- "Cubie." (For Blue.) Reckitts (U. S. A.). No. 3,717; Sept. 1; Gaz. vol. 206; p. 311.
- "Das gute Bier." (For Beer.) The Monumental Brewing Co. No. 3,752; Oct. 13; Gaz. vol. 207; p. 608.
- "Dat Cream of Wheat Done Shore Make Him Grow, Missy." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,650; June 23; Gaz. vol. 203; p. 1259.
- "Derby." (For Coal.) The C. Reiss Coal Co. No. 3,786; Nov. 24; Gaz. vol. 208; p. 1354.
- "Diamond Dyes." (For Dyes.) The American Art Works. No. 3,542; Apr. 7; Gaz. vol. 201; p. 266.
- "Don't Let This One Bounce Off." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,777; Nov. 3; Gaz. vol. 208; p. 338.
- "Don't stow this away under your hat. Use it." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,773; Nov. 3; Gaz. vol. 208; p. 338.
- "Drink Hollander Beer." (For Beer.) The Conrad Seipp Brewing Co. No. 3,739; Sept. 15; Gaz. vol. 206; p. 876.
- "Drink Pepsi-Cola." (For Pepsi-Cola.) The Pepsi-Cola Company. No. 3,552; Apr. 7; Gaz. vol. 201; p. 266.
- "Duofold Health Underwear." (For Underwear.) Duofold Health Underwear Co. No. 3,546; Apr. 7; Gaz. vol. 201; p. 266.
- "Early and Late Chew." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,470; Jan. 20; Gaz. vol. 198; p. 702.

Alphabetical list of prints—Continued.

- "Economy Brick Arches." (For Arch-Bricks.) Locomotive Arch Brick Company. No. 3,661; July 7; Gaz. vol. 204; p. 318.
- "Essex Rubber Soles." (For Rubber Soles.) Essex Rubber Company. No. 3,458; Jan. 13; Gaz. vol. 198; p. 493.
- "Essex Rubber Soles Tread-Lite Rubber Heels." (For Rubber Soles and Heels.) Essex Rubber Company. No. 3,459; Jan. 13; Gaz. vol. 198; p. 493.
- "Every puff of P. A. is a wallop." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,565; Apr. 14; Gaz. vol. 201; p. 568.
- "Every Time You'll Take." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,675; July 14; Gaz. vol. 204; p. 673.
- "Everybody Wants One." (For Fountain-Pens.) L. E. Waterman Company. No. 3,504; Feb. 17; Gaz. vol. 199; p. 937.
- "Ex-Lax The Chocolate Laxative." (For a Laxative.) Ex-Lax Manufacturing Co. No. 3,579; May 12; Gaz. vol. 202; p. 630.
- "Falstaff." (For Beer.) Wm. J. Lemp Brewing Co. No. 3,571; Apr. 28; Gaz. vol. 201; p. 1218.
- "Falstaff and Happiness." (For Beer.) Wm. J. Lemp Brewing Co. No. 3,750; Oct. 13; Gaz. vol. 207; p. 608.
- "Famous Beverwyck Beer." (For Beer.) Beverwyck Brewing Co. No. 3,532; Mar. 31; Gaz. vol. 200; p. 1389.
- "Famous Pink Queens." (For Cantaloups.) N. E. Marshburn. No. 3,771; Nov. 3; Gaz. vol. 208; p. 338.
- "Ferodo." (For Friction-Surfaces for All Kinds of Brakes and Clutches.) The Herbert Frood Company. No. 3,489; Feb. 3; Gaz. vol. 199; p. 305.
- "Fifteen, thirty, forty, deuce, vantage, game." (For Athletic Underwear.) The B. V. D. Company. No. 3,630; June 2; Gaz. vol. 203; p. 304.
- "Fifty Years Ago, When Golden Wedding Whiskey Was Young." (For Whisky.) J. S. Finch & Co. No. 3,521; Mar. 10; Gaz. vol. 200; p. 580.
- "Fifty Years Ago When Golden Wedding Whiskey Was Young." (For Whisky.) J. S. Finch & Co. No. 3,536; Mar. 31; Gaz. vol. 200; p. 1389.
- "First of all." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,511; Feb. 24; Gaz. vol. 199; p. 1242.
- "First on in the Morning Last off at Night." (For Athletic Underwear.) The B. V. D. Company. No. 3,592; May 26; Gaz. vol. 202; p. 1258.
- "First Quality Mirror." (For Mirrors.) Standard Mirror Co. No. 3,514; Feb. 24; Gaz. vol. 199; p. 1242.
- "500 Shaves Guaranteed From 12 Blades The Razor that takes the 'H' out of shave." (For Safety-Razors.) Auto Strop Safety Razor Co. No. 3,654; July 7; Gaz. vol. 204; p. 318.
- "Follow the Leader." (For Bread and Yeast.) The Fleischmann Company. No. 3,657; July 7; Gaz. vol. 204; p. 318.
- "For All-Day Comfort, Wear B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 3,575; May 12; Gaz. vol. 202; p. 630.
- "French Standard Quality Mirror." (For Mirrors.) Standard Mirror Co. No. 3,512; Feb. 24; Gaz. vol. 199; p. 1242.
- "Friendship Peace Love." (For Middy-Blouses.) H. Du Brock. No. 3,535; Mar. 31; Gaz. vol. 200; p. 1389.
- "From 'Son-rise' to 'Son-set.'" (For Shredded Wheat.) The Shredded Wheat Company. No. 3,646; June 16; Gaz. vol. 203; p. 928.
- "Genuine Panama Superior Grade." (For Panama Hats.) L. Galitzki. No. 3,765; Nov. 3; Gaz. vol. 208; p. 338.
- "German Style Smoked Sausage." (For Sausage.) M. Matthes. No. 3,673; July 14; Gaz. vol. 204; p. 673.
- "Germicide Hairtöne." (For a Preparation for the Hair and Scalp.) Germicide Hairtöne Company. No. 3,748; Oct. 13; Gaz. vol. 207; p. 608.
- "Get down to 'net weight.'" (For Athletic Underwear.) The B. V. D. Company. No. 3,631; June 2; Gaz. vol. 203; p. 304.
- "Get 'Next' to B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 3,593; May 26; Gaz. vol. 202; p. 1258.
- "Get the Linoleum Habit." (For Linoleum and Oil-Cloth.) Thomas Potter, Sons & Co. No. 3,530; Mar. 24; Gaz. vol. 200; p. 1113.
- "Getting Away with a Good Thing." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,719; Sept. 1; Gaz. vol. 206; p. 311.
- "Giddap, Uncle!" (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,764; Nov. 3; Gaz. vol. 208; p. 338.
- "Girl Making A Grape Punch." (For Grape-Juice.) Armour and Company. No. 3,460; Jan. 20; Gaz. vol. 198; p. 702.
- "Go on!—'chuck the game' in the baking town." (For Athletic Underwear.) The B. V. D. Company. No. 3,629; June 2; Gaz. vol. 203; p. 304.
- "Goerz V. P. Roll Film Tenax." (For Photographic Films.) C. P. Goerz American Optical Co. No. 3,749; Oct. 13; Gaz. vol. 207; p. 608.
- "Golden-Crust." (For Bread.) Robertson Paper Company. No. 3,493; Feb. 3; Gaz. vol. 199; p. 305.
- "Golden Wedding Bottled In Brand." (For Whisky.) J. S. Finch & Co. No. 3,528; Mar. 24; Gaz. vol. 200; p. 1113.
- "Gotham Tango Girdle." (For Girdles.) Gotham Garter and Novelty Company. No. 3,703; Aug. 18; Gaz. vol. 205; p. 1020.
- "Grossvader Old German Lager Beer." (For Beer.) Emmerling Brewing Co. No. 3,485; Feb. 3; Gaz. vol. 199; p. 305.
- "Guernsey Earthenware." (For Guernsey Earthenware.) J. Walter Thompson Co. No. 3,474; Jan. 20; Gaz. vol. 198; p. 702.
- "Guernsey Ware." (For Guernsey Ware.) J. Walter Thompson Co. No. 3,473; Jan. 20; Gaz. vol. 198; p. 702.
- "Hair Ornaments." (For Hair Ornaments.) Fitchburg Horn Goods Co. No. 3,466; Jan. 20; Gaz. vol. 198; p. 702.
- "Harder Silos." (For Silos.) Harder Manufacturing Company. No. 3,478; Jan. 27; Gaz. vol. 198; p. 896.
- "Harvard." (For Cigars.) H. Traiser & Co. No. 3,689; July 28; Gaz. vol. 204; p. 1343.
- "Hazeline." (For Hazeline Cream.) Burroughs Wellcome & Co. No. 3,589; May 12; Gaz. vol. 202; p. 630.
- "He Mops In Misery Without B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 3,621; June 2; Gaz. vol. 203; p. 304.
- "Heart's Delight Farm Eggs." (For Eggs.) W. H. Miner. No. 3,479; Jan. 27; Gaz. vol. 198; p. 896.
- "Heart's Delight Farm Sausage." (For Sausage.) W. H. Miner. No. 3,508; Feb. 24; Gaz. vol. 199; p. 1242.
- "Heart's Delight Farm Sausage." (For Sausage.) W. H. Miner. No. 3,529; Mar. 24; Gaz. vol. 200; p. 1113.
- "Here's Heap Big Smoke Joy." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,776; Nov. 3; Gaz. vol. 208; p. 338.
- "Highest Grade." (For Coffee.) Hills Bros. No. 3,766; Nov. 3; Gaz. vol. 208; p. 338.
- "Hills Bros. Tea and Coffee San Francisco." (For Tea and Coffee.) Hills Bros. No. 3,683; July 28; Gaz. vol. 204; p. 1343.
- "Hollander Brand Beer." (For Beer.) The Conrad Seipp Brewing Co. No. 3,688; July 28; Gaz. vol. 204; p. 1343.
- "How Does Your Complexion Compare With Mine?" (For Face-Cream.) New York and London Drug Co. No. 3,499; Feb. 10; Gaz. vol. 199; p. 616.
- "Huyler's Fountain Drinks." (For Ice-Cream Soda.) Huyler's. No. 3,652; June 23; Gaz. vol. 203; p. 1259.
- "I calculate that P. A. has pipe-joy hog-tied and branded." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,794; Dec. 22; Gaz. vol. 209; p. 1315.
- "I Talk For Minard's Liniment." (For Liniment.) O. W. Nelson. Nos. 3,550-1; Apr. 7; Gaz. vol. 201; p. 266.
- "In Cold Weather." (For Shredded Wheat.) The Shredded Wheat Company. No. 3,540; Mar. 31; Gaz. vol. 200; p. 1389.
- "In Union There Is Strength." (For Athletic Underwear.) The B. V. D. Company. No. 3,576; May 12; Gaz. vol. 202; p. 630.
- "Ingersoll-Rogler Valve." (For Valves.) Ingersoll-Rand Company. No. 3,641; June 16; Gaz. vol. 203; p. 928.
- "Inner Strap." (For Mattresses.) Dixie Cotton Felt Mattress Company. No. 3,699; Aug. 18; Gaz. vol. 205; p. 1020.
- "Its Real Genuine Kno-Blur." (For Carbon-Paper.) Utica Carbon & Wax Paper Co. No. 3,690; July 28; Gaz. vol. 204; p. 1343.
- "It's time you rolled 'em!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,665; July 7; Gaz. vol. 204; p. 318.
- "It's there with the punch." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,510; Feb. 24; Gaz. vol. 199; p. 1242.
- "J. H. A. Automatic Cigar Cutter." (For Cigar-Cutters.) J. H. Astruck. No. 3,757; Nov. 3; Gaz. vol. 208; p. 338.
- "Jam this news under your hood." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,555; Apr. 7; Gaz. vol. 201; p. 266.
- "Jap-A-Lac." (For Varnishes and Stains.) The Glidden Varnish Co. No. 3,467; Jan. 20; Gaz. vol. 198; p. 702.
- "Jap Rose 'The Bubble Bath' Soap." (For Toilet Soap.) James S. Kirk & Company. No. 3,770; Nov. 3; Gaz. vol. 208; p. 338.
- "Jap Rose The 'Instant Lathey' Soap." (For Toilet Soap.) James S. Kirk & Company. No. 3,783; Nov. 10; Gaz. vol. 208; p. 654.
- "Johnson Well Screen." (For Well-Screens.) E. E. Johnson. No. 3,791; Dec. 15; Gaz. vol. 209; p. 1051.
- "Jumbo A Big Mattress for a Little Money." (For Mattresses.) Dixie Cotton Felt Mattress Company. No. 3,700; Aug. 18; Gaz. vol. 205; p. 1020.

Alphabetical list of prints—Continued.

- "Just about time you got *yours*." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,663; July 7; Gaz. vol. 204; p. 318.
- "Just Rite." (For Bread.) Crescent Bread Company. No. 3,526; Mar. 24; Gaz. vol. 200; p. 1113.
- "Kapock." (For Draperies and other Silks.) A. T. Abbott & Company. No. 3,591; May 26; Gaz. vol. 202; p. 1258.
- "Kate Greenaway." (For Burton's Fabrics.) Burton Bros. & Co. No. 3,461; Jan. 20; Gaz. vol. 198; p. 702.
- "Kelly Domestic Science Table." (For Tables.) F. H. Hansell & Bro. No. 3,725; Sept. 15; Gaz. vol. 206; p. 876.
- "Kelly-Springfield Tires 'Made To Make Good.'" (For Rubber Tires.) Kelly-Springfield Tire Co. No. 3,537; Mar. 31; Gaz. vol. 200; p. 1389.
- "Kirk's Flake Soap, No. 461." (For Soap.) James S. Kirk & Company. No. 3,769; Nov. 3; Gaz. vol. 208; p. 338.
- "Kirk's Flake Soap, No. 463." (For Soap.) James S. Kirk & Company. No. 3,767; Nov. 3; Gaz. vol. 208; p. 338.
- "Kirk's Flake Soap, No. 464." (For Soap.) James S. Kirk & Company. No. 3,768; Nov. 3; Gaz. vol. 208; p. 338.
- "Kleinerts Dress Shields." (For Dress-Shields.) I. B. Kleinert Rubber Company. No. 3,603; May 26; Gaz. vol. 202; p. 1258.
- "Koh-i-noor Counter Cabinet Display Case." (For Display-Cases.) Waldes & Company. No. 3,671; July 7; Gaz. vol. 204; p. 318.
- "Kraft." (For Paper Bags.) J. H. Friar. No. 3,486; Feb. 3; Gaz. vol. 199; p. 305.
- "La Esperanza Habana." (For Cigars.) T. I. Schultz. No. 3,778; Nov. 3; Gaz. vol. 208; p. 338.
- "Lem-n Blend." (For a Drink.) E. J. W. Keagy. No. 3,643; June 16; Gaz. vol. 203; p. 928.
- "Let the Eden Turn Your Wash Days into Play Days." (For Washing and Wringing Machines.) Brokaw-Eden Mfg. Co. No. 3,649; June 23; Gaz. vol. 203; p. 1259.
- "Lighting Up." (For Cigars.) The American Art Works. No. 3,574; May 12; Gaz. vol. 202; p. 630.
- "Load-Bearing Tile." (For Load-Bearing Tile.) Mason City Brick and Tile Company. No. 3,704; Aug. 18; Gaz. vol. 205; p. 1020.
- "Loaves of Bread." (For Bread.) M. M. Trembley. No. 3,789; Nov. 24; Gaz. vol. 208; p. 1354.
- "Lone Star." (For Grape-Fruit.) E. G. Everett. No. 3,632; June 2; Gaz. vol. 203; p. 304.
- "Look For 'Dean' Where 'Qualities' Seen." (For Electrical Apparatus.) The Dean Electric Company. No. 3,464; Jan. 20; Gaz. vol. 198; p. 702.
- "Look Pleasant, Please." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,672; July 14; Gaz. vol. 204; p. 673.
- "Look, What a Grouch! He Hasn't B. V. D. On." (For Athletic Underwear.) The B. V. D. Company. No. 3,617; June 2; Gaz. vol. 203; p. 304.
- "Lowney's Breakfast Cocoa." (For Cocoa.) Walter M. Lowney Co. No. 3,727; Sept. 15; Gaz. vol. 206; p. 876.
- "Luce." (For a Silver-Polish.) W. Knappmann. No. 3,691; Aug. 4; Gaz. vol. 205; p. 303.
- "Make This Your Summer 'Meat.'" (For Shredded Wheat.) The Shredded Wheat Company. No. 3,645; June 16; Gaz. vol. 203; p. 928.
- "Makes Your Mouth Water." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,718; Sept. 1; Gaz. vol. 206; p. 311.
- "Manhattan." (For Petticoats.) Manhattan Petticoat Co. No. 3,728; Sept. 15; Gaz. vol. 206; p. 876.
- "Maxam The New Hair Tonic." (For Hair-Tonic.) Claflin, Scott & Hill. No. 3,506; Feb. 24; Gaz. vol. 199; p. 1242.
- "Meritas." (For Oil-Cloth.) Standard Oil Cloth Co. No. 3,567; Apr. 14; Gaz. vol. 201; p. 568.
- "Minnesota Paints." (For Paints.) Minnesota Linseed Oil Paint Company. No. 3,572; Apr. 28; Gaz. vol. 201; p. 1218.
- "Miss Wheatsworth." (For Whole-Wheat Biscuit.) F. H. Bennett Biscuit Co. No. 3,740; Sept. 22; Gaz. vol. 206; p. 1160.
- "Modern Drugless Examination." (For Eyeglasses.) S. W. Cohen. No. 3,462; Jan. 20; Gaz. vol. 198; p. 702.
- "Moore's Non-Leakable Fountain Pen." (For Fountain-Pens.) Adams, Cushing & Foster. No. 3,792; Dec. 22; Gaz. vol. 209; p. 1315.
- "Mueller's Egg Noodles." (For Egg-Noodles.) C. F. Mueller Co. No. 3,490; Feb. 3; Gaz. vol. 199; p. 305.
- "Muresco." (For a Preparation for Decorating Wall-Surfaces.) The Tablet & Ticket Company. No. 3,607; May 26; Gaz. vol. 202; p. 1258.
- "Murphy's Magnet Scent." (For a Scent.) T. J. Murphy and Son. No. 3,549; Apr. 7; Gaz. vol. 201; p. 266.
- "New Wrinkle." (For Electric Fittings.) The Bryant Electric Company. No. 3,496; Feb. 10; Gaz. vol. 199; p. 616.
- "Nestle's Compound Syrup of Tar, Honey, Rum & Wild Cherry." (For a Cough Medicine.) W. Nestle. No. 3,790; Dec. 15; Gaz. vol. 209; p. 1051.
- "'No Fun' Says He, 'Unless You Wear B. V. D.'" (For Athletic Underwear.) The B. V. D. Company. No. 3,620; June 2; Gaz. vol. 203; p. 304.
- "No! Rollo—" (For Root-Beer.) Charles E. Hires Company. No. 3,558; Apr. 14; Gaz. vol. 201; p. 568.
- "No, Sah! Ah don't want no 'Stubstute.' Ah want Cream o' Wheat." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,697; Aug. 18; Gaz. vol. 205; p. 1020.
- "Notaseme." (For Hosiery.) Notaseme Hosiery Company. No. 3,468; Jan. 20; Gaz. vol. 198; p. 702.
- "Nu-Blu Laundry Cleanser." (For Laundry Cleanser.) S. H. Robison Co. No. 3,501; Feb. 10; Gaz. vol. 199; p. 616.
- "Oh, Man! Get This Right and Sit In." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,708; Aug. 18; Gaz. vol. 205; p. 1020.
- "Oh, No, Old Man! You Can't Stop Us! We Use McGowan's Lightning Puncture Cure." (For Puncture Cure for Pneumatic Tires.) The McGowan Company. No. 3,559; Apr. 14; Gaz. vol. 201; p. 568.
- "Oh, That Reminds Me." (For Beer.) The Schoenhofen Brewing Co. No. 3,686; July 28; Gaz. vol. 204; p. 1343.
- "Oils that Lubricate Most." (For Oils.) Vacuum Oil Co. Nos. 3,742-4; Sept. 22; Gaz. vol. 206; p. 1160.
- "Old Overholt Rye." (For Whisky.) The Meyercoed Company. No. 3,518; Mar. 3; Gaz. vol. 200; p. 278.
- "Old Style Lager." (For Beer.) G. Heileman Brg. Co. No. 3,660; July 7; Gaz. vol. 204; p. 318.
- "On a 'sizzler' of an evening." (For Athletic Underwear.) The B. V. D. Company. No. 3,626; June 2; Gaz. vol. 203; p. 304.
- "On Speaking Terms with the Weather Man." (For Athletic Underwear.) The B. V. D. Company. No. 3,594; May 26; Gaz. vol. 202; p. 1258.
- "On with the Dance." (For Grafonolas.) M. M. Donaldson. No. 3,640; June 16; Gaz. vol. 203; p. 928.
- "One Man Plays Them All." (For a Combination Automatic Musical Instrument.) The Rudolph Wuritzer Co. No. 3,676; July 14; Gaz. vol. 204; p. 673.
- "Our Lights Shine Everywhere." (For Lighting-Fixtures.) The C. J. Netting Co. No. 3,706; Aug. 18; Gaz. vol. 205; p. 1020.
- "Oster-Bier." (For Beer.) Piel Bros. Nos. 3,553-4; Apr. 7; Gaz. vol. 201; p. 266.
- "Overland." (For Automobiles.) The Willys-Overland Company. No. 3,483; Jan. 27; Gaz. vol. 198; p. 896.
- "Overland." (For Automobiles.) The Willys-Overland Company. Nos. 3,494-5; Feb. 3; Gaz. vol. 199; p. 305.
- "P. A. is a double header!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,712; Aug. 18; Gaz. vol. 205; p. 1020.
- "P. A. just tickles us all." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,709; Aug. 18; Gaz. vol. 205; p. 1020.
- "P. A. makes a pipe smoke a real man's game!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,685; July 28; Gaz. vol. 204; p. 1343.
- "P. A. makes men pipe hungry." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,635; June 2; Gaz. vol. 203; p. 304.
- "P. A. punches a new idea right into your system!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,633; June 2; Gaz. vol. 203; p. 304.
- "P. A. sure does set the clip." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,713; Aug. 18; Gaz. vol. 205; p. 1020.
- "P. A. takes the Razoo out of the Jimmy Pipe." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,795; Dec. 22; Gaz. vol. 209; p. 1315.
- "Packer's Tar Soap." (For Tar Soap.) E. A. Olds. No. 3,509; Feb. 24; Gaz. vol. 199; p. 1242.
- "Paint Up. Clean Up." (For Paint.) The R. F. Johnston Paint Co. No. 3,570; Apr. 28; Gaz. vol. 201; p. 1218.
- "Photoplast." (For an Apparatus for the Production of Scenic Effects.) C. E. Schneider. No. 3,731; Sept. 15; Gaz. vol. 206; p. 876.
- "Pictorial illustration of the Myers Sewing Awl." (For Sewing-Awls.) C. A. Myers Company. No. 3,524; Mar. 10; Gaz. vol. 200; p. 580.
- "Picture Pastors." (For Picture-Pasters.) Picture Paster Publicity Co. No. 3,662; July 7; Gaz. vol. 204; p. 318.
- "Pippins." (For Cigars.) L. Ettinger. No. 3,701; Aug. 18; Gaz. vol. 205; p. 1020.
- "Platt's Chlorides The Odorless Disinfectant." (For Platt's Chlorids.) H. B. Platt. No. 3,469; Jan. 20; Gaz. vol. 198; p. 702.
- "Pleasant Dreams." (For Sleeping-Suits.) The B. V. D. Company. No. 3,596; May 26; Gaz. vol. 202; p. 1258.
- "Polarine." (For Motor-Oil.) Standard Oil Company. No. 3,516; Feb. 24; Gaz. vol. 199; p. 1242.
- "Pop out o' bed." (For Athletic Underwear.) The B. V. D. Company. No. 3,627; June 2; Gaz. vol. 203; p. 304.

Alphabetical list of prints—Continued.

- "Prince Albert the national joy smoke." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,531; Mar. 24; Gaz. vol. 200; p. 1113.
- "Prince Albert the national joy smoke." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. No. 3,775; Nov. 3; Gaz. vol. 208; p. 338.
- "Pyramid Fly Catcher." (For Adhesive Fly-Catching Devices.) Louis Dejonge & Co. Nos. 3,497-8; Feb. 10; Gaz. vol. 199; p. 616.
- "Pyxol." (For Disinfectants.) Barrett Manufacturing Company. No. 3,638; June 16; Gaz. vol. 203; p. 928.
- "Quality Saws." (For Hacksaws, Band-Saws, and Circular Saws.) Quality Saw and Tool Works. No. 3,562; Apr. 14; Gaz. vol. 201; p. 568.
- "Qué Contento." (For Soap.) Barclay & Co. No. 3,681; July 28; Gaz. vol. 204; p. 1343.
- "Ralston Wheat Food." (For Ralston Wheat Food.) Ralston Purina Company. No. 3,492; Feb. 3; Gaz. vol. 199; p. 305.
- "Re-tan-o." (For Tan Shoe-Dressing.) J. J. Eckhard. No. 3,547; Apr. 7; Gaz. vol. 201; p. 266.
- "Regal Blue Marble Enduring As The Pyramids." (For Blue Marble.) Regal Marble Company. No. 3,538; Mar. 31; Gaz. vol. 200; p. 1389.
- "Remington—U M C Firearms—Ammunition." (For Guns and Ammunition.) M. H. Dodge. No. 3,601; May 26; Gaz. vol. 202; p. 1258.
- "Reuter's Soap." (For Soap.) Barclay & Co. No. 3,682; July 28; Gaz. vol. 204; p. 1343.
- "Rona Dutch Cocoa." (For Rona Dutch Cocoa.) Van Houten & Zoon. No. 3,482; Jan. 27; Gaz. vol. 198; p. 896.
- "Rosemond Nutritus Balm." (For Toilet Preparations.) Nutritus Company. No. 3,491; Feb. 3; Gaz. vol. 199; p. 305.
- "Sale Late U. S. Army and Navy Goods." (For Blankets, Shoes, Cloth, Leggings, Bayonet Candelabra, Helmet-Plume-Socket Candlesticks, Bayonet Candle-Scones, Three-Gun Hall-Rack Umbrella-Stands, Bayonet Fern-Stands, Gun Costumer, Double-Candle Knife Sconce, Shell Paper-Weights, Revolver-Cylinder Match-Safes, and Eagle Coat-of-Arms Plaques.) W. S. Kirk. No. 3,585; May 12; Gaz. vol. 202; p. 630.
- "Sanoma." (For Cigars.) W. A. Depue. No. 3,527; Mar. 24; Gaz. vol. 200; p. 1113.
- "Schrader Universal Tire Pressure Gauge." (For Tire Pressure-Gages.) A. Schrader's Son. No. 3,539; Mar. 31; Gaz. vol. 200; p. 1389.
- "Scientific House-Hold Economies." (For Ice-Blankets, Dish-Cloths, and Baking-Pan Liners.) Help Saver Co. No. 3,488; Feb. 3; Gaz. vol. 199; p. 305.
- "Selected Quality Mirror." (For Mirrors.) Standard Mirror Co. No. 3,513; Feb. 24; Gaz. vol. 199; p. 1242.
- "Semdac Liquid Gloss." (For a Liquid Polish.) Standard Oil Company. No. 3,472; Jan. 20; Gaz. vol. 198; p. 702.
- "Sentiment." (For Cigars.) I. Teitelbaum & Co. No. 3,573; Apr. 28; Gaz. vol. 201; p. 1218.
- "Shampoo! with Jap Rose." (For Toilet Soap.) James S. Kirk & Company. No. 3,653; June 23; Gaz. vol. 203; p. 1259.
- "She's solved her troubles for heels and toes." (For Ladies' Hosiery.) S. S. Miller. No. 3,705; Aug. 18; Gaz. vol. 205; p. 1020.
- "Sic 'Um, Tige." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,477; Jan. 27; Gaz. vol. 198; p. 896.
- "Sleep?—That's our Long Suit." (For Sleeping-Suits.) The B. V. D. Company. No. 3,595; May 26; Gaz. vol. 202; p. 1258.
- "Some muscle, eh!" (For Athletic Underwear.) The B. V. D. Company. No. 3,624; June 2; Gaz. vol. 203; p. 304.
- "Standard Quality Mirror." (For Mirrors.) Standard Mirror Co. No. 3,515; Feb. 24; Gaz. vol. 199; p. 1242.
- "Standco." (For Hollow Set-Screws.) Standard Pressed Steel Co. No. 3,677; July 14; Gaz. vol. 204; p. 673.
- "Standish" the new Arrow Collar." (For Collars.) Cluett, Peabody & Co. No. 3,695; Aug. 18; Gaz. vol. 205; p. 1020.
- "Sterling for Silver, Karat for Gold and No-Co-Ro Metal." (For Sheet Metal.) The Canton Culvert & Silo Company. No. 3,784; Nov. 24; Gaz. vol. 208; p. 1354.
- "Style Shoes Of Quality." (For Boots and Shoes.) Utz & Dunn Co. No. 3,678; July 14; Gaz. vol. 204; p. 673.
- "Sun Rize." (For Bread.) T. G. Hobbs. No. 3,726; Sept. 15; Gaz. vol. 206; p. 876.
- "Superior Carnation Staples." (For Staples.) W. Schlatter & Son. No. 3,566; Apr. 14; Gaz. vol. 201; p. 568.
- "Take a Little Tip from Father." (For Athletic Underwear.) The B. V. D. Company. No. 3,598; May 26; Gaz. vol. 202; p. 1258.
- "Take S. S. S. For The Blood." (For a Blood Remedy.) Swift Specific Company. No. 3,670; July 7; Gaz. vol. 204; p. 318.
- "The Best In The Field Seipp's Hollander Brand Beer." (For Beer.) The Conrad Seipp Brewing Co. No. 3,637; June 2; Gaz. vol. 203; p. 304.
- "The best Winter food is Bread." (For Bread and Yeast.) The Fleischmann Company. No. 3,656; July 7; Gaz. vol. 204; p. 318.
- "The Boy Is Father of The Man." (For Athletic Underwear.) The B. V. D. Company. No. 3,599; May 26; Gaz. vol. 202; p. 1258.
- "The Bulge Protects the Edge." (For Drinking-Glasses.) Albert Pick & Company. Nos. 3,586-7; May 12; Gaz. vol. 202; p. 630.
- "The Bulge Protects the Edge." (For Drinking-Glasses.) Albert Pick & Company. No. 3,707; Aug. 18; Gaz. vol. 205; p. 1020.
- "The Debutante." (For Chocolates.) C. A. Crane. No. 3,545; Apr. 7; Gaz. vol. 201; p. 266.
- "The Denby Girl." (For Cigars.) J. H. Fendrich. No. 3,723; Sept. 15; Gaz. vol. 206; p. 876.
- "The Edwin Natural Bridge." (For Whisky.) The Meyercoed Company. No. 3,519; Mar. 3; Gaz. vol. 200; p. 278.
- "The Favorite Of Every Race." (For Fountain-Pens.) L. E. Waterman Company. No. 3,648; June 16; Gaz. vol. 203; p. 928.
- "The Fortune Teller." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,741; Sept. 22; Gaz. vol. 206; p. 1160.
- "The Game of Song and Story 'It Pleases and It Pays.'" (For Games.) G. Ross Korne & Co. No. 3,522; Mar. 10; Gaz. vol. 200; p. 580.
- "The Grafonola School-Girl." (For Grafonolas.) Columbia Graphophone Company. No. 3,533; Mar. 31; Gaz. vol. 200; p. 1389.
- "The Heart of the Home." (For Stationary Vacuum-Cleaners.) The United Electric Company. No. 3,780; Nov. 3; Gaz. vol. 208; p. 338.
- "The Home Of Shredded Wheat." (For Cereal Food, Particularly Shredded Wheat.) The Shredded Wheat Company. No. 3,481; Jan. 27; Gaz. vol. 198; p. 896.
- "The Home of Shredded Wheat' Window Display." (For a Cereal Food.) The Shredded Wheat Company. No. 3,471; Jan. 20; Gaz. vol. 198; p. 702.
- "The Home of Shredded Wheat' Window Display." (For Shredded Wheat.) The Shredded Wheat Company. No. 3,668; July 7; Gaz. vol. 204; p. 318.
- "The Joke—He Never Thought of B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 3,616; June 2; Gaz. vol. 203; p. 304.
- "The Last Word in Whiskey." (For Whisky.) A. E. Norris & Company. No. 3,480; Jan. 27; Gaz. vol. 198; p. 896.
- "The 'makin's' of a smile!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,634; June 2; Gaz. vol. 203; p. 304.
- "The New Ideal Way." (For Lather-Protectors.) The Ideal Lather Protector Co. No. 3,548; Apr. 7; Gaz. vol. 201; p. 266.
- "The Product of Experience." (For Automobiles.) Joseph Mack Printing House. No. 3,507; Feb. 24; Gaz. vol. 199; p. 1242.
- "The Short Cut to Pipe Joy." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,774; Nov. 3; Gaz. vol. 208; p. 338.
- "The Shredded Wheat Man." (For Shredded Wheat.) The Shredded Wheat Company. No. 3,669; July 7; Gaz. vol. 204; p. 318.
- "The Sozo Man." (For a Shaving-Cream.) Hall & Ruckel. No. 3,487; Feb. 3; Gaz. vol. 199; p. 305.
- "The Temperature Twins." (For Coal and Ice.) The Peoples Coal & Ice Company. No. 3,772; Nov. 3; Gaz. vol. 208; p. 338.
- "The Test!" (For Varnish and Painting Material.) Valentine & Company. No. 3,541; Mar. 31; Gaz. vol. 200; p. 1389.
- "The Test of Fire." (For Brass Beds.) Pittsburgh-Hickson Company. No. 3,674; July 14; Gaz. vol. 204; p. 673.
- "The World Is Our Market." (For Saws, Tools, Files, Steel.) Henry Disston & Sons. No. 3,465; Jan. 20; Gaz. vol. 198; p. 702.
- "There's 'An Ocean Of Comfort' In B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 3,618; June 2; Gaz. vol. 203; p. 304.
- "There's B. V. D. Delight." (For Sleeping-Suits.) The B. V. D. Company. No. 3,600; May 26; Gaz. vol. 202; p. 1258.
- "There's peace in every puff." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,730; Sept. 15; Gaz. vol. 206; p. 876.
- "There's something about it you'll like." (For Smoking-Tobacco.) Falk Tobacco Co. No. 3,582; May 12; Gaz. vol. 202; p. 630.
- "There's something about them you'll like—." (For Cigarettes.) Falk Tobacco Co. Nos. 3,580-1; May 12; Gaz. vol. 202; p. 630.
- "This little pig went to market." (For Shortening.) The Oxola Manufacturing Co. No. 3,561; Apr. 14; Gaz. vol. 201; p. 568.

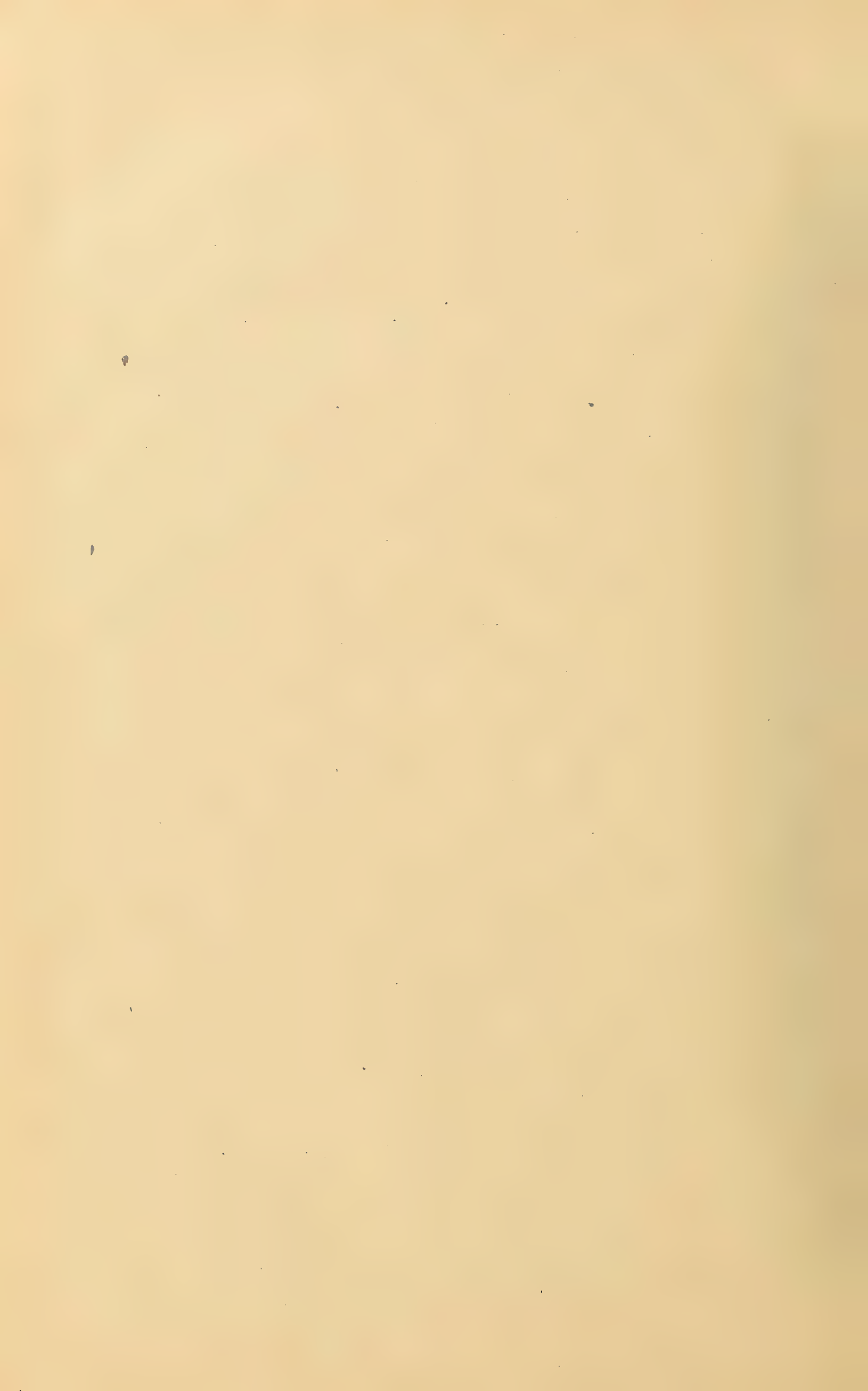
Alphabetical list of prints—Continued.

- "Tight as a Jug." (For Silos.) W. S. Dickey. No. 3,692; Aug. 11; Gaz. vol. 205; p. 660.
- "Tip Silica." (For Silica.) T. R. Treiber. No. 3,647; June 16; Gaz. vol. 203; p. 928.
- "Tricofero de Barry." (For a Hair-Tonic.) Barclay & Co. No. 3,680; July 28; Gaz. vol. 204; p. 1343.
- "Tuff-E-Nuff." (For Rubber Tires.) Converse Rubber Shoe Co. No. 3,639; June 16; Gaz. vol. 203; p. 928.
- "Two Loaves of Bread." (For Bread.) M. M. Trembley. No. 3,788; Nov. 24; Gaz. vol. 208; p. 1354.
- "Up with the lark." (For Athletic Underwear.) The B. V. D. Company. No. 3,623; June 2; Gaz. vol. 203; p. 304.
- "Utopia Lustrous Embroidery Flosses." (For Embroidery-Floss.) Henry E. Frankenberg Company. No. 3,724; Sept. 15; Gaz. vol. 206; p. 876.
- "V. B." (For Cigars.) Veillard Brothers. No. 3,560; Apr. 14; Gaz. vol. 201; p. 568.
- "Vapo-Cresolene." (For Vapo-Cresolene.) Vapo-Cresolene Co. No. 3,556; Apr. 7; Gaz. vol. 201; p. 266.
- "Vaseline." (For Vaseline.) Chesebrough Manufacturing Co. Nos. 3,543-4; Apr. 7; Gaz. vol. 201; p. 266.
- "Vulcan Process." (For Apparatus for Oxyacetylene Welding and Cutting.) Vulcan Process Co. No. 3,781; Nov. 3; Gaz. vol. 208; p. 338.
- "Watch Your Step!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,710; Aug. 18; Gaz. vol. 205; p. 1020.
- "Wayne Knit Hosiery." (For Hosiery.) Wayne Knitting Mills. No. 3,679; July 14; Gaz. vol. 204; p. 673.
- "Weck's Sextoblade Razor." (For Razors.) E. Weck. No. 3,588; May 12; Gaz. vol. 202; p. 630.
- "Welch's The National Drink." (For Grape-Juice.) The Welch Grape Juice Co. Nos. 3,502-3; Feb. 10; Gaz. vol. 199; p. 616.
- "When Is a Picnic No 'Picnic'?—Without B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 3,619; June 2; Gaz. vol. 203; p. 304.
- "When Better Automobiles Are Built Bulck Will Build Them." (For Automobiles.) Joseph Mack Printing House. No. 3,523; Mar. 10; Gaz. vol. 200; p. 580.
- "When P. A. Speaks be a good list'ner!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,729; Sept. 15; Gaz. vol. 206; p. 876.
- "When We Put It Up to George." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,711; Aug. 18; Gaz. vol. 205; p. 1020.
- "Wind up the day and the clock 'feeling fine.'" (For Athletic Underwear.) The B. V. D. Company. No. 3,622; June 2; Gaz. vol. 203; p. 304.
- "Wiss Shear." (For Shears.) J. Wiss & Sons Co. No. 3,590; May 12; Gaz. vol. 202; p. 630.
- "Witchal." (For Witch-Hazel.) E. E. Dickinson. No. 3,698; Aug. 18; Gaz. vol. 205; p. 1020.
- "Women Vote." (For Bread and Yeast.) The Fleischmann Company. No. 3,659; July 7; Gaz. vol. 204; p. 318.
- "Worth Fighting for." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,756; Oct. 13; Gaz. vol. 207; p. 608.
- "Wright's Patent Expansive Bits." (For Expansive Bits.) The Conn. Valley Manufacturing Company. No. 3,463; Jan. 20; Gaz. vol. 198; p. 702.
- "You Can't Get Away from." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,666; July 7; Gaz. vol. 204; p. 318.
- "You fire up a jimmy pipe." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,563; Apr. 14; Gaz. vol. 201; p. 568.
- "You lay a bet on P. A. makin's." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,664; July 7; Gaz. vol. 204; p. 318.

DISCLAIMERS.

- Automobile extension canopy-frame. L. C. Shipley. No. 822,634; date of patent June 5, 1906; disclaimer filed June 13, 1914; Gaz. vol. 203; p. 1264.
- Bait, Artificial. J. E. Pfueger. No. 954,691; date of patent Apr. 12, 1910; disclaimer filed Aug. 6, 1914; Gaz. vol. 205; p. 669.
- Baking-machine. W. W. Turnbull. No. 1,009,355; date of patent Nov. 21, 1911; disclaimer filed Sept. 19, 1914; Gaz. vol. 206; p. 1438.
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